

Lowell Joint School District  
11019 Valley Home Avenue, Whittier CA 90603

MINUTES REGULAR MEETING OF THE BOARD OF TRUSTEES  
May 6, 2024

Call to Order	President Shackelford called the meeting to order at 6:30 p.m. at Lowell Joint School District, 11019 Valley Home Avenue, Whittier, CA 90603
Topics Not on the Agenda	None.
Closed Session	President Shackelford declared the meeting recessed to closed session at 6:31 p.m.
Call to Order	<p>President Shackelford reconvened the meeting to order at 7:30 p.m. In compliance with Government Code 54953, the Board will use teleconference, Meeting ID: 834 0188 0881, for open session in order to allow True North Research to present to the Board of Trustees.</p> <p>The flag salute was led by Matt Shaw, Rancho Starbuck student. The Gettysburg address was recited by Justin Shackelford, Rancho Starbuck student.</p> <p>Trustees Present: Anastasia M. Shackelford, Anthony A. Zegarra, Christine J. Berg, Karen L. Shaw, Regina L Woods</p> <p>Trustees Absent: None</p> <p>Staff Present: Jim Coombs, Superintendent of Schools; Sheri McDonald, Assistant Superintendent of Educational Services; David Bennett, Assistant Superintendent of Business Services; and Carl Erickson, Assistant Superintendent of Administrative Services</p> <p>Staff Absent: None.</p>
Reporting out Action (if any) Taken in Closed Session	<p>This evening in closed session, the Board took action in a unanimous roll call vote (5-0) to approve Whitney Takacs, certificated administrative employee, in the position of Rancho Starbuck principal, effective July 1, 2024, and directed the Superintendent or designee to execute the necessary documents.</p> <p>This evening in closed session, the Board took action in a unanimous roll call vote (5-0) to approve Paul Kim, certificated administrative employee, in the position of Rancho Starbuck assistant principal, effective July 1, 2024, and directed the Superintendent or designee to execute the necessary documents.</p>
Introduction / Welcome	President Shackelford welcomed the many guests in attendance.

Acknowledgement of Correspondence	None.
Approval of Agenda	It was moved, seconded, and carried by unanimous vote, (5 – 0) to approve the May 6, 2024 Board Agenda.
Approval of Minutes	It was moved, seconded, and carried by unanimous vote, (5 – 0) to approve the minutes from the April 1, 2024, Regular Board Meeting.
Timely Information Board and Superintendent – Board President	Mr. Coombs acknowledged the OC Music and Arts Outstanding Educator Awardee and Nominees: Annie Pagano - Awardee Cameron Miller - Nominee Ariana Cazares - Nominee
*** RECESS ***	President Shackelford declared a recess at 7:40 p.m. President Shackelford reopened the Board meeting at 7:45 p.m.
True North Research presents the bond survey information and results to the Board of Trustees	Tim McClarney, True North, presented information on the Bond Feasibility Survey to the Board of Trustees. The members of the Board of Trustees asked questions regarding the presentation.  Adam Bauer, Fieldman Rolapp, financial advisor, presented information regarding the District’s Potential 2024 General Obligation Bond Measure to the Board of Trustees.
School Reports (School Reports will be the First Meeting of the Month)	Each Board member shared highlights of their respective schools. Ashley Alatorre, Rancho Starbuck student, shared the Rancho Starbuck school highlights.
Topics Not on the Agenda	None.
Resolution 2023/24 No. 924, Recognizing May 7, 2024, as “Day of the Teacher”	It was moved, seconded, and carried by unanimous vote (5– 0) to adopt Resolution 2023/24 No. 924, recognizing May 7, 2024, as “Day of the Teacher” be adopted, and that the Superintendent or designee be authorized to execute the necessary documents.
Resolution 2023/24 No. 925, Recognizing May 6, 2024, as “School Nurses Day”	It was moved, seconded, and carried by unanimous vote (5– 0) to adopt Resolution 2023/23 No. 925, recognizing May 6, 2024, as “School Nurses Day”, and that the Superintendent or designee be authorized to execute the necessary documents.
Resolution 2023/24 No. 926, Recognizing May 19 – 25, 2024, as “Classified School Employees Week”	It was moved, seconded, and carried by unanimous vote (5– 0) to adopt Resolution 2023/24 No. 926, recognizing May 19 – 25, 2024, as “Classified School Employees Week”, and that the Superintendent or designee be authorized to execute the necessary documents.

Resolution 2022/23 No. 927, Designating the Observance of Lincoln Day on February 10, 2025 and the Observance of Washington Day on February 17, 2025

It was moved, seconded, and carried by unanimous vote (5– 0) to adopt Resolution 2023/24 No. 927, designating the Observance of Lincoln Day on February 10, 2025 and the Observance of Washington Day on February 17, 2025, and that the Superintendent or designee be authorized to execute the necessary documents.

Resolution 2023/24 No. 928 Approving an Increase in Statutory School Fees Imposed on New Residential and Commercial/ Industrial Construction Pursuant to Education Code Section 17620 and Government Code Section 65995

Public hearing opened at 8:41 p.m. Public hearing was closed at 8:42 p.m. with no comments from the public.

On January 24, 2024, the School Allocation Board (SAB) acted to increase the Level I Developer Fees for both residential and commercial/industrial construction pursuant to Education Code Section 17620 and Government Code Section 65995. For unified school districts, the Level I fee for residential construction was increased to \$3.45 per square foot of new residential construction. The Level I fee for commercial/industrial construction was increased to \$0.56 per square foot of new commercial/industrial construction.

In order for a school district to assess the new Level I fees, it must prepare and adopt a school facilities fee justification study, commonly known as a Level I Developer Fee Justification Study. The Notice of Public Hearing was published in the *Whittier Daily News* on April 25, 2024, and May 2, 2024. If approved, the new Level I fees will go into effect sixty (60) days after adoption.

It was moved, seconded, and carried by unanimous vote (5– 0) to adopt Resolution 2023/24 No. 928 approving an increase in statutory school fees imposed on new residential and commercial/industrial construction pursuant to Education Code Section 17620 and Government Code Section 65995.

Approval of Prime Contract Change Order #001, to Increase the Guaranteed Maximum Price with Erickson Hall Construction Company, Inc. to Install the Canopy over the Library Entrance at the Rancho Starbuck Intermediate School Project

It was moved, seconded by a unanimous vote, (5-0), to approve the Prime Contract Change Order #001 to increase the Guaranteed Maximum Price with Erickson Hall Construction Company, Inc. for the installation of a canopy over the library entrance at the Rancho Starbuck Intermediate School Project, effective May 6, 2024, not to exceed \$219,593, and that the Superintendent or designee be authorized to execute the necessary documents.

Approval of Professional Services Agreement with RMA Group for Inspection and Testing Services on the Library Canopy Project at Rancho Starbuck Intermediate School

It was moved, seconded by a unanimous vote, (5-0), to approve the Professional Services Agreement, RMA Group, Inspection and Testing Services, Rancho Starbuck Intermediate School, effective May 6, 2024, not to exceed \$22,105, Fund 40.0 – Special Reserve Capital outlay Fund, and that the Superintendent or designee be authorized to execute the necessary documents.

Approval of Professional Services Agreement with RMA Group for Inspection and Testing Services on the Marquee Project at Meadow Green Elementary School

It was moved, seconded by a unanimous vote, (5-0), to approve the Professional Services Agreement, RMA Group, Inspection and Testing Services, Meadow Green Elementary School, effective May 6, 2024, not to exceed \$10,410, Fund 40.0 – Special Reserve Capital outlay Fund, and that the Superintendent or designee be authorized to execute the necessary documents.

Resolution 2023-2024 No. 929 Approving the Guaranteed Maximum Price of \$1,013,662 for the Lease-Leaseback Contract with Erickson Hall Construction Company for Switchgear Replacement Work at Meadow Green Elementary School

It was moved, seconded by a unanimous vote, (5-0), to adopt Resolution 2023-2024 No. 929 approving the Guaranteed Maximum price of \$1,013,662 for the Lease-Leaseback Contract with Erickson Hall Construction Company for the Switchgear Replacement Work at Meadow Green Elementary School, Financial Impact: \$1,013,662, Funding Source: Fund 40 – Special Reserve Capital Outlay Fund, and that the Superintendent or designee be authorized to execute the necessary documents.

Declaration of Need for Fully Qualified Educators to for the 2024/25 School Year

It was moved, seconded by a unanimous vote, (5-0), to approve the Declaration of Need for Fully Qualified Educators for the 2024/25 School Year, and that the Superintendent or designee be authorized to execute the necessary documents.

Approval of the 2023/24 Extended School Year (ESY) Program

It was moved, seconded by a unanimous vote, (5-0) to approve the Extended School Year (ESY) Program offering for the 2023/2024 school year, and that the Superintendent or designee be authorized to execute the necessary documents.

Resolution 2023/24 No. 930 Implementing *Education Code 44256(b)*, Authorizing Stephanie Austin to Teach Social Science at Rancho-Starbuck Intermediate School for the 2024-2025 School Year

It was moved, seconded by a unanimous roll call vote, (5-0), to adopt Resolution 2023/24 No. 930 Implementing *Education Code 44256(b)*, authorizing Stephanie Austin to teach Social Science at Rancho-Starbuck Intermediate School for the 2024-2025 school year, be adopted, and that the Superintendent or designee be authorized to execute the necessary documents.

Approval of Contractual Agreement with the Classified School Employee Association for the Period July 1, 2023, through June 30, 2026, and AB1200 Report

The Classified School Employees Association (CSEA) and the District reached a tentative agreement on a new contract for July 1, 2023, through June 30, 2026, on March 15, 2024. CSEA conducted a vote of their membership and the tentative agreement was ratified.

As required by Assembly Bill (AB) 1200, the appropriate budgetary forms have been completed by the District and sent to the Orange County Office of Education for review. The AB1200 forms have also been posted for public review as required.

Public Hearing was opened at 8:47 p.m. Public Hearing was closed at 8:48 p.m. with no comment from the public



It was moved, seconded by a unanimous vote, (5-0) to approve the contract with the Classified School Employees Association for the period of July 1, 2023, through June 30, 2026, and AB1200 report, and the Superintendent or designee be authorized to execute the necessary documents.

Presentation and Approval of Single School Plans For Student Achievement

It was moved, seconded by a unanimous vote, (5-0) to approve the Single School Plans for Student Achievement, and that the Superintendent or designee be authorized to execute the necessary documents.

Approval of the 2024 Intersession Offerings

It was moved, seconded by a unanimous vote, (5-0) to approve the 2024 summer intersession offerings, and that the Superintendent or designee be authorized to execute the necessary documents.

Expulsion Plan Between the Los Angeles County Office of Education and Lowell Joint School District for the Implementation of Education Code Section 48926

It was moved, seconded by a unanimous vote, (5-0) to approve the Expulsion Plan between the Los Angeles County Office of Education and the Lowell Joint School District for the Implementation of Education Code Section 48926, and that the Superintendent or designee be authorized to execute the necessary documents.

Expulsion Plan Between the Orange County Department of Education and Lowell Joint School District for the Implementation of Education Code Section 48926

It was moved, seconded by a unanimous vote, (5-0) to approve the Expulsion Plan between the Orange County Department of Education and the Lowell Joint School District for the Implementation of Education Code Section 48926, and that the Superintendent or designee be authorized to execute the necessary documents.

Consent Calendar

It was moved, seconded, and carried by unanimous vote, (5 – 0), to approve/ratify the following items, under a consent procedure.

Approval of Educational Fieldwork Agreement with University of Redlands, effective April 1, 2024 through July 30, 2026

Approved the educational fieldwork agreement with University of Redlands effective April 1, 2024, through July 30, 2026, at no cost to the district, and that the Superintendent or designee be authorized to execute the necessary documents.

Purchase Order Listing Report/Check Register 2023/2024 #10

Approved Purchase Order Report 2023/24 #10, as attached, which lists all warrants issued March 1, 2024 through March 31, 2024.

Consolidated Check Register Listing Report 2023/2024 #10

Approved Consolidated Check Register Listing Report 2023/24 #10, as attached, which lists all warrants issued March 1, 2024 through March 31, 2024.

Employer-Employee Relations/Personnel Report 2023/24 #10 Which Includes

Ratified Employer-Employee Relations/Personnel Report 2023/24 #10 as attached, which includes hiring, resignations, contract adjustments, and retirements for certificated, classified, and confidential employees.

Hiring, Resignations, Contract Adjustments, and Retirements for Certificated, Classified, and Confidential Employees

Approval of the Classified Salary Schedule implementing an Eleven Percent (11%) Increase, Retroactive to July 1, 2023, for the 2023/2024 School

Approved the Classified Salary Schedules implementing an eleven percent (11%) increase, retroactive to July 1, 2023, for the 2023/2024 School Year, and that the Superintendent or designee be authorized to execute the documents.

Approval of the Noon Duty Aide (NDA) Salary Schedule implementing an Eleven Percent (11%) Increase, Retroactive to July 1, 2023, for the 2023/2024 School Year

Approved the Noon Duty Aide (NDA) Salary Schedules implementing an Eleven Percent (11%) Increase, Retroactive to July 1, 2023, for the 2023/2024 School Year, and that the Superintendent or designee be authorized to execute the documents.

Approval of Agreement with Boys and Girls Club of La Habra for Student Transportation Services for the 2024/25 and 2025/26 School Year Not to Exceed \$10,000

Approved the Agreement for Services with Boys and Girls Club of La Habra for Student Transportation Services for the 2024/25 and 2025/26 school years services are not to exceed a total of \$10,000 and are to be paid out of ELOP funds, and that the Superintendent or designee be authorized to execute the necessary documents.

Approval Contract with DataWORKS Educational Research to Provide EDI Training on May 2, 2024

Approved the contract with DataWORKS Educational Research to provide 1 day of EDI training for 15 teachers (Gr. K-4) on May 2, 2024, at a cost of \$3,888.00 funding to be covered by Title II funds, and that the Superintendent or designee be authorized to execute the necessary documents.

Approval of Agreement with Addiction Treatment Technologies LLC dba Care Solace to provide Services During the 2024-2025 School Year

Approved the Agreement with Addiction Treatment Technologies LLC dba Care Solace, not to exceed \$8,000, to be funded by LCAP Supplemental funds, and the Superintendent or designee be authorized to execute the necessary documents.

Approval of Ratified Amendment to Agreement with Muckenthaler Art to provide services for Expanded Learning Opportunities Program during the 2023-24 School Year

Approved the Ratified Amendment to the Agreement with "Muckenthaler Cultural Center" to provide services during the 2023/24 school year at an amount not to exceed \$73,000, to be funded by ELO-P funds, and that the Superintendent or designee be authorized to execute the necessary documents.

Approval of Agreement with Brightly Software Inc. for Maintenance & Operations Work Order software from July 1, 2024 through June 30, 2027

Approved the agreement with Brightly Software Inc. for Maintenance & Operations work order management services from July 1, 2024, through June 30, 2027, not to exceed \$4,969.68 annually, and that the Superintendent or designee be authorized to execute the necessary documents.

Board Member/Superintendent Comments None.

Adjournment

President Shackelford declared the meeting adjourned at 9:09 p.m. in accordance with Government Code Section 54956.9 (a, b, c) and indicated no further public action would be taken

Date Approved:

June 3, 2024

  
\_\_\_\_\_  
Clerk/President/Secretary to the Board of Trustees

**LOWELL JOINT SCHOOL DISTRICT**

**RESOLUTION 2023-24 NO. 924**

**A RESOLUTION OF THE BOARD OF TRUSTEES  
OF THE LOWELL JOINT SCHOOL DISTRICT  
OF LOS ANGELES AND ORANGE COUNTIES, CALIFORNIA,  
RECOGNIZING TUESDAY, MAY 7, 2024, AS  
“DAY OF THE TEACHER”**

**WHEREAS**, Lowell Joint School District teachers are dedicated to providing outstanding learning experiences for all students; and

**WHEREAS**, Lowell Joint School District teachers work to motivate students to achieve maximum potential; and

**WHEREAS**, Lowell Joint School District teachers are committed to parent involvement and positive community activities; and

**WHEREAS**, Lowell Joint School District teachers are role models for district students preparing to become contributing and successful adults; and

**WHEREAS**, Lowell Joint School District teachers are respected and appreciated by the Board of Trustees, administrators, support staff members, parents, students, and the residents of the community; and

**WHEREAS**, Tuesday, May 7, 2024, has been designated as “Day of the Teacher” in the State of California;

**NOW, THEREFORE BE IT RESOLVED**, that the Board of Trustees, on behalf of the students, parents, and the community at large, does hereby recognize Tuesday, May 7, 2024, as a day of formal recognition and appreciation of the efforts of the teachers in the Lowell Joint School District.

**APPROVED AND ADOPTED** this 6<sup>th</sup> day of May, 2024, by the following vote:

**AYES:** Anastasia Shackelford, Anthony Zegarra, Christine Berg, Karen Shaw, Regina Woods

**NOES:** None

**ABSTAIN:** None

**ABSENT:** None

I, Jim Coombs, Secretary to the Board of Trustees of the Lowell Joint School District of Los Angeles and Orange Counties, California, hereby certify that the above foregoing resolution was duly and regularly adopted by the said Board at a regular meeting thereof held on the 6<sup>th</sup> day of May, 2024, and passed by a unanimous vote of those present.

**IN WITNESS WHEREOF**, I have hereunto set my hand and seal this 6<sup>th</sup> day of May, 2024.



---

Jim Coombs

Secretary to the Board of Trustees

**LOWELL JOINT SCHOOL DISTRICT**

**RESOLUTION 2023/24 No. 925**

**A RESOLUTION OF THE BOARD OF TRUSTEES  
OF THE LOWELL JOINT SCHOOL DISTRICT OF  
LOS ANGELES AND ORANGE COUNTIES, CALIFORNIA,  
RECOGNIZING MONDAY, MAY 6, 2024, AS  
“SCHOOL NURSES DAY”**

**WHEREAS**, every child must be ready to learn, having their basic needs met so that they may achieve optimal physical, emotional, social, and educational development and be prepared for full participation in society; and

**WHEREAS**, through public schools, communities can work together in unprecedented ways to eliminate barriers to learning and to provide access to health care for children and families; and

**WHEREAS**, California's credentialed school nurses are pivotal members of a coordinated school health system, delivering services to children and eliminating health disparities and barriers and supporting academic success for all children; and

**WHEREAS**, school nurses provide vital links between public and private resources and programs; collaboration between schools and health and human service agencies to bring school and community services to schools; and support efforts to connect families to insurance programs to meet their needs; and

**WHEREAS**, school nurses create and maintain safe school environments; provide mandatory health education, health screenings, and immunizations; deliver early intervention services; design wellness-driven programs; and assist pupils with chronic and acute illnesses and special needs as they transition from home to school;

**NOW, THEREFORE, BE IT RESOLVED**, the Board of Trustees on behalf of the students, parents, and community at large, does hereby recognize Monday, May 6, 2024, as School Nurses Day to support the learning and health needs of California's children to ensure academic success.

**APPROVED AND ADOPTED** this 6<sup>th</sup> day of May, 2024, by the following vote:

**AYES:** Anastasia Shackelford, Anthony Zegarra, Christine Berg, Karen Shaw, Regina Woods

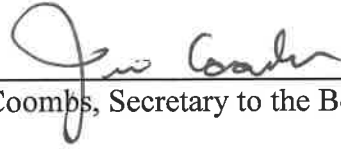
**NOES:** None

**ABSTAIN:** None

**ABSENT:** None

I, Jim Coombs, Secretary to the Board of Trustees of the Lowell Joint School District of Los Angeles and Orange Counties, California, hereby certify that the above and foregoing resolution was duly and regularly adopted by the said Board at a regular meeting thereof held on the 6<sup>th</sup> day of May, 2024, and passed by a unanimous vote of those present.

**IN WITNESS WHEREOF**, I have hereunto set my hand and seal the 6<sup>th</sup> day of May, 2024.

A handwritten signature in black ink, appearing to read "Jim Coombs", is written above a horizontal line.

Jim Coombs, Secretary to the Board of Trustees

**LOWELL JOINT SCHOOL DISTRICT**

**RESOLUTION 2023/24 NO. 926**

**A RESOLUTION OF THE BOARD OF TRUSTEES  
OF THE LOWELL JOINT SCHOOL DISTRICT  
OF LOS ANGELES AND ORANGE COUNTIES, CALIFORNIA,  
RECOGNIZING MAY 19-25, 2024, AS  
“CLASSIFIED SCHOOL EMPLOYEES WEEK”**

**WHEREAS**, the week of May 19-25, 2024, has been designated as “Classified School Employees Week” in the State of California; and

**WHEREAS**, classified school employees provide valuable services to the schools and students of the Lowell Joint School District; and

**WHEREAS**, classified school employees contribute to the establishment and promotion of a positive environment; and

**WHEREAS**, classified school employees play a vital role in providing for the welfare and safety of Lowell Joint School District students; and

**WHEREAS**, classified school employees employed by the Lowell Joint School District strive for excellence in all areas relative to the educational community;

**NOW, THEREFORE, BE IT RESOLVED**, that the Board of Trustees on behalf of the students, parents, and community at large, does hereby recognize and wish to honor the contribution of the classified school employees to quality education in the State of California and in the Lowell Joint School District and declares the week of May 19-25, 2024, as “Classified School Employee Week” in the Lowell Joint School District.

**APPROVED AND ADOPTED** this 6<sup>th</sup> day of May, 2024, by the following vote:

**AYES:** Anastasia Shackelford, Anthony Zegarra, Christine Berg, Karen Shaw, Regina Woods

**NOES:** none

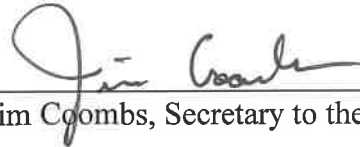
**ABSTAIN:** none

**ABSENT:** none



I, Jim Coombs, Secretary to the Board of Trustees of the Lowell Joint School District of Los Angeles and Orange Counties, California, hereby certify that the above and foregoing resolution was duly and regularly adopted by the said Board at a regular meeting thereof held on the 6<sup>th</sup> day of May, 2023, and passed by a unanimous vote of those present.

**IN WITNESS WHEREOF**, I have hereunto set my hand and seal this 6<sup>th</sup> day of May, 2024.

A handwritten signature in cursive script, appearing to read "Jim Coombs", is written above a horizontal line.

Jim Coombs, Secretary to the Board of Trustees

**LOWELL JOINT SCHOOL DISTRICT**

**RESOLUTION 2023/24 NO. 927**

**A RESOLUTION OF THE BOARD OF TRUSTEES  
OF THE LOWELL JOINT SCHOOL DISTRICT  
OF LOS ANGELES AND ORANGE COUNTIES, CALIFORNIA,  
DESIGNATING THE OBSERVANCE OF LINCOLN DAY ON FEBRUARY 10, 2025  
AND THE OBSERVANCE OF WASHINGTON DAY ON FEBRUARY 17, 2025**

**WHEREAS**, the Lowell Joint School District 2024/25 School Calendar designates a recess in February on February 10, 2025 and February 17, 2025; and,

**WHEREAS**, this action does not change the recess period in any way, for technical reasons, it is necessary for the Board to designate by resolution that the Lincoln Birthday holiday be held on February 10, 2025 and Washington Birthday holiday be held on February 17, 2025; and,

**WHEREAS**, the holiday known as "Washington Day" is normally observed on the third Monday in February in accordance with Education Code 37220 (a); and,

**WHEREAS**, the holiday known as "Lincoln Day" is normally observed on the Monday or Friday of the week in accordance with Education Code 37220 (a); and,

**WHEREAS**, Education Code 37220(e) allows for Governing Boards by Resolution to revise the date upon which the schools of the district close in observance of any of the holidays identified in subdivision (a) except Veteran ' s Day;

**NOW, THEREFORE, BE IT RESOLVED** that the Governing Board of the Lowell Joint School District will observe Lincoln Day on February 10, 2025 and Washington Day on February 17, 2025.

**APPROVED AND ADOPTED THIS 6<sup>th</sup> day of May, 2024**, at the regular meeting of the Board of Education of the Lowell Joint School District.

**APPROVED AND ADOPTED** this 6<sup>th</sup> day of May, 2024, by the following vote:

**AYES:** Anastasia Shackelford, Anthony Zegarra, Christine Berg, Karen Shaw, Regina Woods

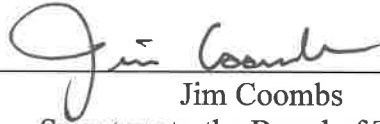
**NOES:** None

**ABSTAIN:** None

**ABSENT:** None

I, Jim Coombs, Secretary to the Board of Trustees of the Lowell Joint School District of Los Angeles and Orange Counties, California, hereby certify that the above foregoing resolution was duly and regularly adopted by the said Board at a regular meeting thereof held on the 6<sup>th</sup> day of May, 2024, and passed by a unanimous vote of those present.

**IN WITNESS WHEREOF**, I have hereunto set my hand and seal this 6<sup>th</sup> day of May, 2024.

A handwritten signature in cursive script, reading "Jim Coombs", is written above a horizontal line.

Jim Coombs  
Secretary to the Board of Trustees

**LOWELL JOINT SCHOOL DISTRICT**

**NOTICE OF PUBLIC HEARING**

**NOTICE OF CONSIDERATION OF APPROVING AN INCREASE  
IN STATUTORY (LEVEL 1) SCHOOL FEES IMPOSED ON NEW  
RESIDENTIAL AND COMMERCIAL/INDUSTRIAL  
CONSTRUCTION PURSUANT TO GOVERNMENT CODE  
SECTION 65995 AND EDUCATION CODE SECTION 17620**

**NOTICE IS HEREBY GIVEN** that the Board of Trustees (“Board”) of the Lowell Joint School District (“School District”) at its regular board meeting to be held in the Board Room at the District Office, 11019 Valley Home Avenue, Whittier, California, on Monday, May 6, 2024 at approximately 7:30 p.m. or soon thereafter (“Board Meeting Date”), will consider approving an increase in statutory school fees (“Level I School Fees”) that may be imposed on new residential and commercial/industrial construction located within the boundaries of the School District pursuant to Government Code Section 65995 and Education Code Section 17620. Specifically, the Board will consider approving maximum Level I School Fees of (i) \$3.45 per square foot for assessable space of new residential construction and up to \$0.56 per square foot of chargeable covered and enclosed space for categories of new commercial/industrial construction.

A report entitled “2024 Fee Justification Study” was prepared pursuant to and in accordance with applicable law, which includes information and analysis demonstrating the relationship between new residential and commercial/industrial development and the School District’s need for the construction and/or reconstruction of school facilities, the estimated cost of the school facilities, and justification for the levy of Level I School Fees on new residential and commercial/industrial development.

The School Fee Justification Study and any related documents regarding the proposed adoption of the Level I School Fees will be available for public review beginning ten (10) days prior to the Board Meeting Date, during normal business hours at the School District’s administrative office, located at 11019 Valley Home Avenue, Whittier, CA 90603.

Questions and/or comments should be directed to David Bennett, Assistant Superintendent of Business Services at (562) 943-4202.

**LOWELL JOINT SCHOOL DISTRICT**

**RESOLUTION 2023/24 NO. 928**

**A RESOLUTION OF THE BOARD OF TRUSTEES OF THE LOWELL JOINT SCHOOL DISTRICT OF LOS ANGELES AND ORANGE COUNTIES, CALIFORNIA, APPROVING AN INCREASE IN STATUTORY SCHOOL FEES IMPOSED ON NEW RESIDENTIAL AND COMMERCIAL/INDUSTRIAL CONSTRUCTION PURSUANT TO EDUCATION CODE SECTION 17620 AND GOVERNMENT CODE SECTION 65995**

**WHEREAS**, the Board of Trustees (“Board”) of the Lowell Joint School District (“District”) provides for the educational needs for Grade TK-8 students;

**WHEREAS**, on January 24, 2024, the State Allocation Board (“SAB”) authorized an adjustment in the statutory school fee amounts for unified school districts pursuant to Government Code Section 65995(b)(3) to Five and 17/100 Dollars (\$5.17) per square foot for assessable space of new residential construction (“Residential Statutory School Fees”) and Eighty-Four Cents (\$0.84) per square foot of chargeable covered and enclosed space for the categories of new commercial/industrial construction (“Commercial/Industrial Fees” and collectively “Statutory School Fees”), as long as such increases are properly justified by the District pursuant to law;

**WHEREAS**, the District pursuant to Education Code Section 17623(a) entered into a fee sharing agreement (“Fee Sharing Agreement”) with the Fullerton Joint Union High School District (“FJUHSD”), which provides for the educational needs of students in the same jurisdictional boundaries as the District. The Fee Sharing Agreement specifies the allocation of Statutory School Fees that may be charged and collected by the District, and said agreement allows the District to charge and collect an amount approximately sixty-six and sixty-seven hundredths percent (66.67%) to the District and approximately thirty-three and thirty-three hundredths percent (33.33%) to FJUHSD;

**WHEREAS**, new residential and commercial/industrial construction continues to generate additional students for the District’s schools and the District is required to provide school facilities (“School Facilities”) to accommodate those students;

**WHEREAS**, the District does not have sufficient funds available for the construction or reconstruction of the School Facilities, construction of permanent School Facilities, and acquisition of interim School Facilities, to accommodate students from new residential and commercial/industrial construction;

**WHEREAS**, the Board has received and considered a report entitled “2024 Fee Justification Study” (“Study”), which includes information, documentation, and

analysis of the School Facilities needs of the District, including: (a) the purpose of the Applicable Statutory School Fees; (b) the use to which the Applicable Statutory School Fees are to be put; (c) the nexus (roughly proportional and reasonable relationship) between the residential and commercial/industrial construction and (1) the use for Applicable Statutory School Fees, (2) the need for School Facilities, (3) the cost of School Facilities and the amount of Applicable Statutory School Fees from new residential and commercial/industrial construction; (d) a determination of the impact of the increased number of employees anticipated to result from the commercial/industrial construction (by category) upon the cost of providing School Facilities within the District; (e) an evaluation and projection of the number of students that will be generated by new residential construction; (f) the new School Facilities that will be required to serve such students; and (g) the cost of such School Facilities;

**WHEREAS**, the Study pertaining to the Statutory School Fees and to the capital facilities needs of the District has been available to the public for at least ten (10) days before the Board considered at a regularly scheduled public meeting the increase in the Statutory School Fees;

**WHEREAS**, all notices of the proposed increase in the Statutory School Fees and the public hearing have been given in accordance with applicable law;

**WHEREAS**, a public hearing was duly held at a regularly scheduled meeting of the Board relating to the proposed increase in the Statutory School Fees and to consider the Study on May 6, 2024; and

**WHEREAS**, as to the Statutory School Fees, Education Code Section 17621 provides that the adoption, increase or imposition of any fee, charge, dedication, or other requirement, pursuant to Education Code Section 17620 shall not be subject to the California Environmental Quality Act, Division 13 (commencing with Section 21000) of the Public Resources Code.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE LOWELL JOINT SCHOOL DISTRICT AS FOLLOWS:**

**Section 1.** That the Board accepts and adopts the Study.

**Section 2.** That the Board finds that the purpose of the Statutory School Fees imposed upon new residential construction are to fund the additional School Facilities required to serve the students generated by the new residential construction upon which the Statutory School Fees are imposed.

**Section 3.** That the Board finds that the Statutory School Fees imposed on new residential construction will be used only to finance those School Facilities described in the Study and related documents, and that these School Facilities are required to serve the students generated by the new residential construction within the District; and that the use of the Statutory School Fees will include construction

of additional School Facilities, remodeling existing School Facilities to add additional classrooms, and technology, and acquiring and installing additional portable classrooms and related School Facilities, remodeling of existing School Facilities, and additional portables to be determined based on the residence of the students being generated by such new residential construction, as well as any required central administrative and support facilities, within the District.

**Section 4.** That the Board finds that there is a roughly proportional, reasonable relationship between the use of the Statutory School Fees and the new residential construction within the District because the Statutory School Fees imposed on new residential construction by this Resolution will be used to fund School Facilities that will be used to serve the students generated by such new residential construction.

**Section 5.** That the Board finds that there is a roughly proportional, reasonable relationship between the new residential construction upon which the Statutory School Fees are imposed, and the need for the construction or reconstruction of School Facilities in the District because new students will be generated from new residential construction within the District and these students cannot be housed by the District without causing the District to incur additional costs to construct School Facilities and/or reconstruct existing School Facilities.

**Section 6.** That the Board finds that the amount of the Statutory School Fees imposed on new residential construction as set forth in this Resolution is roughly proportional and reasonably related to, and does not exceed the cost of, providing the School Facilities required to serve the students generated by such new residential construction within the District.

**Section 7.** That the Board finds that the purpose of the Statutory School Fees imposed on new commercial/industrial construction is to fund the additional School Facilities required to serve the students generated by the new commercial/industrial construction upon which the Commercial/Industrial Fees are imposed.

**Section 8.** That the Board finds that the Statutory School Fees imposed on new commercial/industrial construction (by category) will be used only to finance those School Facilities described in the Study and related documents and that these School Facilities are required to serve the students generated by such new commercial/industrial construction; and that the use of the Statutory School Fees will include construction of additional School Facilities, remodeling existing School Facilities to add additional classrooms and technology, and acquiring and installing additional portable classrooms and related facilities, remodeling of existing School Facilities, and additional portables to be determined based on the residence of the students being generated by such new commercial/ industrial construction, as well as any required central administrative and support facilities within the District.

**Section 9.** That the Board finds that there is a roughly proportional, reasonable relationship between the use of the Statutory School Fees and new

commercial/industrial construction by category within the District because the Statutory School Fees imposed on commercial/industrial construction by this Resolution will be used to fund School Facilities which will be used to serve the students generated by such new commercial/industrial construction.

**Section 10.** That the Board finds that there is a roughly proportional, reasonable relationship between the new commercial/industrial construction by category, upon which the Statutory School Fees are imposed, and the need for additional School Facilities in the District because new students will be generated from new commercial/industrial construction within the District and the District does not have student capacity in the existing School Facilities to accommodate these students.

**Section 11.** That the Board finds that the amount of the Statutory School Fees imposed on new commercial/industrial construction by category as set forth in this Resolution is roughly proportional and reasonably related to and does not exceed the cost of providing the School Facilities required to serve the students generated by such new commercial/industrial construction within the District.

**Section 12.** That the Board finds that a separate fund ("Fund") of the District and two or more sub-funds ("Sub-Funds") have been created or are authorized to be established for all monies received by the District for the deposit of Statutory School Fees and mitigation payments ("Mitigation Payments") imposed on construction within the District and that said Fund and Sub-Funds at all times have been separately maintained, except for temporary investments, with other funds of the District as authorized by law.

**Section 13.** That the Board finds that the monies of the separate Fund or the separate Sub-Funds described in Section 12, consisting of the proceeds of Statutory School Fees and Mitigation Payments have been imposed for the purposes of constructing and reconstructing those School Facilities necessitated by new residential and/or commercial/industrial construction, and thus, these monies may be expended for all those purposes permitted by applicable law. The Statutory School Fees may also be expended by the District for the costs of performing any study or otherwise making the findings and determinations required under subdivisions (a), (b) and (d) of Section 66001 of the Government Code. In addition, the District may also retain, as appropriate, an amount not to exceed in any fiscal year, three percent (3%) of the fees collected in that fiscal year pursuant to Education Code Section 17620 for reimbursement of the administrative costs incurred by the District in collecting the Statutory School Fees.

**Section 14.** That the Board is hereby justified in levying the Statutory School Fees as a condition of approval of new residential development projects and imposes the Statutory School Fees on such development projects in the following amounts, which shall be adjusted pursuant to the Fee Sharing Agreement:

- a. Three and 45/100 Dollars (\$3.45) per square foot of assessable space



for new residential construction, including new residential projects, manufactured homes and mobile homes as authorized under Education Code Section 17625, and including residential construction or reconstruction other than new construction where such construction or reconstruction results in an increase of assessable space, as defined in Government Code Section 65995, in excess of five hundred (500) square feet.

b. Fifty-Six Cents (\$0.56) per square foot of assessable space, for new residential construction used exclusively for the housing of senior citizens, as described in Section 51.3 of the Civil Code or as described in subdivision (k) of Section 1596.2 of the Health and Safety Code or a multi level facility as described in paragraph 9 of subdivision (d) of Government Code Section 15432 or any mobile home or manufactured home that is located within a mobile home park, subdivision, cooperative or condominium for mobile homes limited to older persons as defined by the Federal Fair Housing Amendments of 1988.

**Section 15.** That this Board is hereby justified in levying the Statutory School Fees as a condition of approval of new commercial/industrial construction projects and levies the Statutory School Fees on such development projects in the amount of Fifty-Six Cents (\$0.56) per square foot of chargeable covered and enclosed space for all categories of commercial/industrial construction, except for properties that are classified as rental self-storage properties. The maximum applicable Statutory School Fees that may be levied per square foot of chargeable covered and enclosed space is Six Cents (\$0.06) for rental self-storage properties.

**Section 16.** That the proceeds of the Statutory School Fees established pursuant to this Resolution shall continue to be deposited into those Sub-Funds of the Funds identified in Section 12 of this Resolution, the proceeds of which shall be used exclusively for the purpose for which the Statutory School Fees are to be collected, including, as to Statutory School Fees, accomplishing any study, findings or determinations required by subdivisions (a), (b) and (d) of Section 66001 of the Government Code, or retaining an amount not to exceed in any fiscal year, three percent (3%) of the fees collected in that fiscal year pursuant to Education Code Section 17620 for reimbursement of the administrative costs incurred by the District in collecting the Statutory School Fees or in financing the described Study or in defending the imposition of Statutory School Fees.

**Section 17.** That the District's Superintendent, or designee, is directed to cause a copy of this Resolution to be delivered to the building officials of the City of La Habra, La Habra Heights, La Mirada, Whittier (each a "City" or collectively the "Cities"), the Counties of Orange and Los Angeles (each a "County" or collectively the "Counties") and the Department of Health Care Access and Information (formerly Office of Statewide Health Planning and Development) ("HCAI") along with a copy of all the supporting documentation referenced herein and a map of the District clearly indicating the boundaries thereof, advising the

Cities, Counties and the HCAI that new residential and commercial/ industrial construction is subject to the Statutory School Fees changed pursuant to this Resolution and requesting that no building permit or approval for occupancy be issued by any of these entities for any new residential development project, mobile home or manufactured home subject to the Statutory School Fees absent a certification of compliance ("Certificate of Compliance") from the District demonstrating compliance of such project with the requirements of the Statutory School Fees, nor that any building permit be issued for any nonresidential construction absent a certification from this District of compliance with the requirements of the applicable Statutory School Fees.

**Section 18.** That the Board hereby establishes a process that permits the party against whom the Commercial/Industrial Fees are imposed the opportunity for a hearing to appeal that imposition of Commercial/Industrial Fees for commercial/industrial construction as stated in Education Code Section 17621(e)(2).

**Section 19.** That the Superintendent is authorized to cause a Certificate of Compliance to be issued for each development project, mobile home and manufactured home for which there is compliance with the requirement for payment of the Statutory School Fees in the amounts specified by this Resolution. In the event a Certificate of Compliance is issued for the payment of Statutory School Fees for a development project, mobile home or manufactured home and it is later determined that the statement or other representation made by an authorized party concerning the development project as to square footage is untrue or in the event the zoning is declared invalid, then such Certificate of Compliance shall automatically terminate, and the appropriate City, County or HCAI shall be so notified.

**Section 20.** That no statement or provision set forth in this Resolution, or referred to therein shall be construed to repeal any preexisting fee or mitigation amount previously imposed by the District on any residential or nonresidential construction.

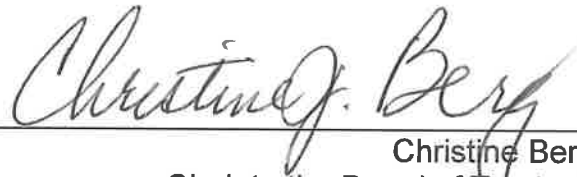
**Section 21.** That if any portion or provision hereof is held invalid, the remainder hereof is intended to be and shall remain valid.

**Section 22.** That the change in the District's Statutory School Fees will become effective sixty (60) days from the date of this Resolution unless a separate resolution increasing the fees immediately on an urgency basis is adopted by the Board.

PASSED AND ADOPTED by the Board of Trustees of the Lowell Joint School District on the 6th day of May, 2024.

Signed: 

Anastasia Shackelford  
President to the Board of Trustees  
Lowell Joint School District

Signed: 

Christine Berg  
Clerk to the Board of Trustees  
Lowell Joint School District

I, Christine Berg, Clerk, Board of Trustees of the Lowell Joint School District, do hereby certify that the foregoing was duly adopted by the Board of Trustees of such District at a regular meeting of said Board held on the 6th day of May, 2024, at which a quorum of such Board was present and acting throughout and for which notice and an agenda was prepared and posted as required by law and at which meeting all of the members of such Board had due notice and that at such meeting the attached resolution was adopted by the following vote:

**AYES:** Anastasia Shackelford, Anthony Zegarra, Christine Berg, Karen Shaw,  
Regina Woods

**NOES:** None

**ABSTAIN:** None

**ABSENT:** None

  
Clerk, Board of Trustees of the Lowell  
Joint School District

STATE OF CALIFORNIA     )  
COUNTY OF LOS ANGELES) ss.  
COUNTY OF ORANGE     )

I, Christine Berg, Clerk, Board of Trustees of the Lowell Joint School District, do hereby certify that the foregoing is a full, true and correct copy of Resolution No. 928 of said Board, and that the same has not been rescinded, amended or repealed.

Dated this 6th day of May, 2024.

  
\_\_\_\_\_  
Clerk, Board of Trustees of the Lowell  
Joint School District



Lowell Joint School District

2024 Fee Justification Study

April 15, 2024

KOPPEL & GRUBER  
PUBLIC FINANCE

334 Via Vera Cruz, Suite 256  
San Marcos, California 92078  
760-510-0290  
info@kgpf.net

Lowell Joint School District  
11019 Valley Home Avenue  
Whittier, CA 90603  
562-943-0211

# TABLE OF CONTENTS

---

Executive Summary .....	1
Section I. Legislation and Legal Requirements .....	4
Section II. Projected Unhoused Students and Estimated Facility and Per Student Costs .....	6
A. School District Capacity and Student Enrollment .....	6
B. Projected Unhoused Students .....	7
C. Facility Needs and Estimated Per Seat/Student Cost .....	9
Section III. Projected Impact of Residential Development .....	11
Section IV. Commercial/Industrial School Impact Analysis .....	12
A. Employee Generation .....	12
B. Residential Impact .....	13
C. Net Impact per Commercial/Industrial Square Foot .....	16
D. Commercial/Industrial Development Not In Prescribed Categories .....	19
E. Age-Restricted (Senior) Housing .....	19
Section V. Redevelopment .....	20
Section VI. Government Code 66000 .....	21

## APPENDICES

- Appendix A – Commercial/Industrial Development Descriptions
- Appendix B – Facilities Capacity Update
- Appendix C – Enrollment Summary
- Appendix D – Student Generation Rates
- Appendix E – Estimated School Facilities Costs

## EXECUTIVE SUMMARY

---

Education Code Section 17620 authorizes the governing board of a school district to levy school fees to offset the impacts to school facilities from new residential and commercial/industrial construction and reconstruction. In order to levy Level I fees (statutory fees), a school district must prepare and adopt a fee justification study pursuant to the provisions of Education Code Section 17620 and Sections 65995 and 66001 of the Government Code. The fee justification study serves as the basis for justifying the levy of Level I fees and presents and documents the nexus findings required by State law.

This Fee Justification Study (“Study”) has been prepared for the Lowell Joint School District (“School District”) to demonstrate the relationship between new residential and commercial/industrial development and the School District’s need for the construction of school facilities, the cost of the school facilities, and the per square foot amount of Level I fees (“School Fees”) that may be levied by the School District on residential and commercial/industrial development in accordance with applicable law.

The State Allocation Board (“SAB”) reviews and may adjust the maximum authorized School Fees every January in even-numbered years. The SAB increased the Level I fee on January 24, 2024 and the maximum School Fees authorized by Education Code Section 17620 are currently \$5.17 per square foot for residential construction/reconstruction and \$0.84 per square foot for commercial/industrial construction for unified school districts.

The School District serves areas within the cities of La Habra, La Habra Heights, La Mirada, and Whittier, and provides education for transitional kindergarten (TK) through eighth (8<sup>th</sup>) grade. Pursuant to Education Code Section 17623(a), the School District, as a nonunified school district sharing common jurisdiction with other nonunified school district(s), entered into a school facilities fee allocation agreement with the Fullerton Joint Union High School District. The agreement specifies the percentage of the maximum School Fees that may be levied and collected by each school district. According to the agreement, approximately 66.67% of the maximum School Fees may be charged and collected by the School District, or \$3.45 and \$0.56 for residential and commercial/industrial development, respectively. Based on the findings presented in this Study, the School District is justified in collecting its portion of the maximum residential and commercial/industrial School Fees<sup>1</sup>. The findings are summarized as follows:

### Residential Development

New residential development in the School District is projected over the next ten (10) years and beyond. Based on student generation rates determined for the School District, new residential development could generate an estimated 66 new students over the next ten (10) years. An analysis of the School District’s existing permanent facilities capacity and enrollment demonstrates the projected student enrollment supports expansion, reconstruction and/or modernization of existing school facilities. The school facilities cost impact per residential square foot as determined in this Study are shown in Table E-1.

---

<sup>1</sup> Except for the new commercial/industrial development categorized as Rental Self-Storage facilities, as further described in this Study.



**TABLE E-1**  
**Residential School Facilities Cost Impact/  
 Applicable Residential School Fee Per Square Foot**

Impact Per Square Foot	Applicable Residential School Fee Per Square Foot
\$4.68	\$3.45

The cost impact per square foot of residential construction/reconstruction shown in Table E-1 is greater than the School District’s share of the current maximum authorized residential School Fee, which is \$3.45 per square foot; therefore, the School District is reasonably justified in levying statutory Level I school fees in an amount up to but not exceeding \$3.45 per square foot (the “Applicable Residential School Fee”).

### Commercial/Industrial Development

As commercial/industrial properties develop, new jobs are created. Many of the employees working at the new jobs will move into the School District boundaries, thereby increasing the need for new residential development and further impacting the School District’s facilities. Additionally, many employees living outside of but working at new jobs within the School District boundaries will enroll students on an inter-district basis. School Fees may be imposed on commercial/industrial development if the school fees collected on residential development are insufficient to provide adequate school facilities for students generated as a result of new development and nexus findings are presented that justify the imposition of the commercial/industrial school fee.

Section 17621(e)(1)(B) of the Education Code requires that the Study determine the impact of the increased number of employees anticipated to result from commercial/industrial development upon the cost of providing school facilities within the School District. This code section further adds that employee generation estimates shall be based on the applicable employee generation estimates set forth in the January 1990 edition of “San Diego Traffic Generator Study” (“Traffic Study”), a report by San Diego Association of Governments (“SANDAG”). The school facilities cost impacts per commercial/industrial square foot as determined in this Study are shown in Table E-2 by commercial/industrial land use type (each commercial/industrial category is further described in Appendix “A”).

The cost impacts per square foot for each category of commercial/industrial construction are equal to or exceed \$0.56 per square foot, the School District’s maximum authorized School Fee per square foot applicable to new commercial/industrial development, except for Rental Self-Storage where a School Fee of \$0.06 per square foot is justified (“Applicable Commercial/Industrial School Fees”). Therefore, except for Rental Self-Storage development, the School District is fully justified in levying commercial/industrial School Fees on new commercial/industrial development in an amount up to but not exceeding the Applicable Commercial/Industrial School Fees. The Applicable Commercial/Industrial School Fees that may be charged by the School District are summarized in Table E-2.

**TABLE E-2  
Commercial/Industrial School Facilities Cost Impacts/Applicable School Fees**

<b>Commercial/Industrial Category</b>	<b>Impact Per Square Foot</b>	<b>Maximum Applicable School Fees</b>
Banks	\$2.39	\$0.56
Community Shopping Center	\$1.30	\$0.56
Neighborhood Shopping Center	\$2.37	\$0.56
Industrial Business Parks	\$2.98	\$0.56
Industrial Parks/Warehousing/Manufacturing	\$1.15	\$0.56
Rental Self-Storage	\$0.06	\$0.06
Research & Development	\$2.58	\$0.56
Hospitality (Lodging)	\$0.96	\$0.56
Commercial Offices (Standard)	\$4.06	\$0.56
Commercial Offices (Large High Rise)	\$3.86	\$0.56
Corporate Offices	\$2.28	\$0.56
Medical Offices	\$3.62	\$0.56

## SECTION I. LEGISLATION AND LEGAL REQUIREMENTS

---

This section discusses the legislative history of the Level I Fee.

Assembly Bill (“AB”) 2926 enacted by the State in 1986, also known as the “1986 School Facilities Legislation” granted school districts the right to levy fees in order to offset the impacts to school facilities from new residential and commercial development. Originally set forth in Sections 53080 and 65995 of the Government Code, AB 2926 authorized statutory school fees to be levied, commencing January 1, 1987, in the amount of \$1.50 per square foot of new residential assessable space and \$0.25 per square foot of enclosed commercial or industrial assessable space. AB 2926 also provided for an annual increase of the statutory fees based on the Statewide cost index for Class B construction, as determined by the SAB. The provisions of AB 2926 have since been amended and expanded.

AB 1600 was enacted by the State legislature in 1987 and created Government Code Sections 66000 *et seq.* These sections require a public agency to satisfy the following requirements when establishing, increasing or imposing a fee as a condition of approval for a development project:

1. Determine the purpose of the fee;
2. Identify the use to which the fee is to be put;
3. Determine how there is a reasonable relationship between the fee’s use and the type of development project on which the fee is imposed;
4. Determine that there is a reasonable relationship between the need for the public facilities and the type of development project on which the fee is imposed;
5. Determine that there is a reasonable relationship between the amount of the fee and the cost, or portion of the cost of the public facility attributable to the development on which the fee is imposed; and
6. Provide an annual accounting of any portion of the fee remaining unspent or held for projects for more than five (5) years after collection.

AB 181, enacted in 1989, established new requirements for school districts levying school fees and also re-codified Government Code Section 53080 *et seq.* as Education Code Section 17620 *et seq.* The additional provisions established by AB 181 imposed more stringent nexus requirements which must be satisfied by school districts prior to levying school fees, especially with respect to commercial/industrial school fees. Additionally, AB 181 provided that the maximum school fees for residential and commercial/industrial development be subject to an increase every two (2) years rather than annually.

In 1998, Governor Wilson signed into law Senate Bill 50 (“SB 50”), the Leroy F. Greene School Facilities Act of 1998, which reformed State’s School Building Program and developer school fee legislation. A significant provision of SB 50 provides school districts the option of adopting alternative school fees (also known as Level II and Level III fees) in excess of the Level I fee upon meeting certain requirements. SB 50 also placed a \$9.2 billion State Bond measure on the November 3, 1998 ballot (Proposition 1A). With the passage of Proposition 1A in November 1998, SB 50 became operative.

SB 50 also limited the power of cities and counties to require mitigation of school facilities impacts as a condition of approving new development and suspended the court cases known as Mira-Hart-Murrieta. The Mira-Hart-Murrieta cases previously permitted school districts to collect mitigation fees in excess of school fees under certain circumstances.

On November 5, 2002, California voters passed Proposition 47, which authorized the issuance of \$13.05 billion in State bonds and also enacted AB 16, which provided for additional reformation of the School Building Program. AB 16, among other items, clarified that if the SAB is no longer approving apportionments for new construction due to the lack of funds available for new school facilities construction, a school district may increase its Level II Fee to the Level III Fee. With the issuance of the State bonds authorized by the passage of Proposition 47, this section of AB 16 became inoperable.

Furthermore, Proposition 55 was approved on March 2, 2004, which authorized the sale of \$12.3 billion in State bonds. In addition, California voters approved Proposition 1D in the general election held on November 7, 2006. Proposition 1D authorized the issuance of \$10.4 billion in State bonds.

California voters approved Proposition 51 (the California Public School Facility Bonds Initiative) in the general election held on November 8, 2016, authorizing the issuance of \$9 billion in bonds to fund the improvement and construction of school facilities for K-12 schools and community colleges.

## SECTION II. PROJECTED UNHOUSED STUDENTS AND ESTIMATED FACILITY AND PER STUDENT COSTS

---

The objective of this Study is to determine if a nexus exists between future residential and commercial/industrial development and the need for school facilities. In addition, the Study aims to identify the costs of such required school facilities and determine the amount of School Fees that can be justifiably levied on residential and commercial/industrial development according to the estimated impacts caused by such development. This section evaluates whether existing school facilities can accommodate students generated from future residential development, projects student enrollment based on anticipated residential growth, and estimates the costs of school facilities required to accommodate new residential growth. The findings determined in this section are used in following sections to evaluate the cost impact per square foot for new residential and commercial/industrial property. Although many of the figures in this section are primarily derived from residential development projections and impacts, they are adjusted in Section IV. to evaluate the impact of commercial/industrial development.

### A. SCHOOL DISTRICT CAPACITY AND STUDENT ENROLLMENT

The School District's existing school facilities capacity and student enrollment were evaluated in order to determine if there is available capacity to house students generated by new residential and commercial/industrial development.

The School District currently operates five (5) elementary schools serving grades transitional kindergarten (TK) through six (6), and one (1) intermediate school serving grades seven (7) through eight (8). Per Education Code Section 17071.10, these facilities have a capacity to accommodate 3,583 students. Pursuant to Education Code Section 17071.30, portable classrooms were not included in the calculation to the extent they are (i) leased through the State Relocatable Classroom Program, (ii) leased for a period of less than five (5) years, (iii) leased when needed as interim housing (project basis), or (iv) represent the number of portables that exceed 25% of the School District's permanent classrooms. Appendix "B" provides a calculation of the updated facility capacity. It should be noted these capacities are driven by State loading standards and do not necessarily reflect the School District's program goals or the condition of such facilities.

Based on Student Enrollment Data as of October 2023, the student enrollment of the School District is 3,030 students. A summary of the student enrollment data is included in Appendix "C". Current available capacity is calculated by subtracting current student enrollment from existing school facilities capacity for each school level. This operation results in a surplus of available seats at all school levels. The available capacity calculation is shown in Table 1.

**TABLE 1**  
**Facilities Capacity and Student Enrollment**

School Level	Existing Facilities Capacity	Student Enrollment (October 2023)	Available/ (Deficit) Capacity
Elementary School	2,741	2,302	439
Intermediate School	842	728	114
<b>Total</b>	<b>3,583</b>	<b>3,030</b>	<b>553</b>

**B. PROJECTED UNHOUSED STUDENTS**

**1. Projected Residential Units**

To estimate projected residential unit growth over the next ten (10) years, Koppel & Gruber Public Finance (“K&G Public Finance”) obtained and compiled a list of residential projects planned, approved and under construction, from the cities of La Habra, La Habra Heights, La Mirada, and Whittier (collectively, the “Planning Agencies”). Such information was used to project residential development for areas within each planning jurisdiction by housing type. Based on the information, it is estimated the School District could experience the development of an estimated 368 residential units over the next ten (10) years (“Projected Units”).

The types of residential units considered include:

- (i) **Single family detached (“SFD”)** – dwelling units with no common walls and assigned an individual and separate assessor’s parcel;
- (ii) **Multi-family attached (“MFA”)** – dwelling units which share a common wall (e.g. townhouses, condominiums, apartments, duplexes, triplexes, etc.).

It should be noted that Mobile homes are not included in this analysis.<sup>2</sup> The estimated total Projected Units in the School District are summarized by residential category in Table 2.

**TABLE 2**  
**Projected Units by Residential Category**

Residential Category	Projected Units
Single-Family Detached (SFD)	63
Multi-Family Attached (MFA)	305
<b>Total</b>	<b>368</b>

**2. Student Generation Rates**

In order to calculate student generation rates (“SGRs”), K&G Public Finance first obtained property characteristic/GIS data from the Assessor’s Offices of the counties of Los Angeles and Orange (“Counties”). The data contained all residential parcels within

<sup>2</sup> Education Code Section 17625 sets forth the prerequisites that must be met before school districts may levy school fees on mobile homes. Since it is often difficult to determine and make projections relating to mobile homes that meet those requirements, the mobile home category is omitted from this Study.

the School District and was classified by unit type (SFD and MFA).

Since the property data information obtained from the Counties was missing unit counts for many of the residential parcels contained therein, K&G Public Finance relied on housing information from the U.S. Census Bureau<sup>3</sup> to estimate the total number of residential units located within the School District by residential category.

K&G Public Finance then obtained a student database from the School District, which contained the school attended, grade level and physical address information for each student enrolled in the School District. The student database is reflective of student enrollment information as of October 2023. The student enrollment address information was matched to the address (situs address) information of parcels in the Counties' property characteristic database. The number of students matched was then queried by school level and residential category. Table 3 provides a summary of the SGRs by school level and residential category. A more detailed analysis of the SGR determinations is contained within Appendix "D".

**TABLE 3**  
**Student Generation Rates**

School Level	SFD Units	MFA Units
Elementary School	0.2026	0.1267
Intermediate School	0.0639	0.0335
<b>Total</b>	<b>0.2665</b>	<b>0.1602</b>

### 3. Projected Student Enrollment

Projected student enrollment was determined by multiplying the SGRs in Table 3 by the number of Projected Units as shown in Table 2. A total of 66 students are estimated to be generated from Projected Units. The projected student enrollment is summarized by school level in Table 4.

**TABLE 4**  
**Projected Student Enrollment by School Level**

School Level	Total Projected Students
Elementary School	52
Intermediate School	14
<b>TOTAL</b>	<b>66</b>

### 4. Projected Unhoused Students

As shown in Table 1, facilities capacity exceeds enrollment at both the elementary and intermediate school levels. While these findings indicate the School District's collective capacity is available at the elementary school and intermediate school levels to accommodate projected students from new development over the course of the

<sup>3</sup> 2022 American Community Survey 5-Year Estimates; DP04 – Selected Housing; S0801 – Commuting Characteristics (workers 16 years and over).



planning period, the analysis doesn't consider (i) the condition and adequacy of existing capacity, (ii) the availability of capacity within areas of the School District where a greater and disproportionate amount of new development is expected; and/or (iii) the service and educational goals of the School District.

As further described in this Study, capacity improvements are necessary for the long-term use to adequately house the existing student population and future enrollment from new housing at all school levels. The School District's facility needs are discussed in more detail in Section II.C.1. The facilities needs exist regardless of the availability of capacity to house student enrollment, inclusive of student enrollment generated from new development. Therefore, for the purpose of this analysis, Projected Student Enrollment is not adjusted by available capacity and student enrollment attributable to new housing that requires a seat (facilities), including new facilities and/or facilities to be replaced for their continued useful life ("Projected Unhoused Students") is equal to Projected Student Enrollment. Table 5 shows the determination of Projected Unhoused Students by school level.

**TABLE 5**  
**Projected Unhoused Students**

School Level	Total Projected Students	Available Seat Adjustment	Projected Unhoused Students
Elementary School	52	0	52
Intermediate School	14	0	14
<b>Total</b>	<b>66</b>	<b>0</b>	<b>66</b>

## C. FACILITY NEEDS AND ESTIMATED PER SEAT/STUDENT COST

### 1. Facilities Needs

Government Code Section 66001 (g) allows School Fees to include the costs attributable to the increased demand for public facilities reasonably related to the development project(s) in which the fee is imposed in order to (1) refurbish existing facilities to maintain the existing level of service, or (2) achieve an adopted level of service that is consistent with the general plan.<sup>4</sup> In June 2021, the School District conducted a Facilities Master Plan ("2021 Master Plan"), which identified the facilities needs of the School District, and focuses on improvements that are necessary to provide adequate housing and the continued use of the School District's existing facilities. The 2021 Master Plan also provided an estimate of the costs to fund the proposed improvement projects, which amounted to \$135,457,524 in 2021 dollars.

The primary source of funding for the projects in Phase 1 of the 2021 Master Plan are expected to be generated from general obligation bond sales issued under the School District's Measure LL bond authorization. Measure LL was a local bond measure approved by the voters on November 6, 2018 and authorized the School District to issue

<sup>4</sup> See also *Shapell Industries, Inc. v. Governing Board* (1991) 1 Cal. App. 4th 218.



up to \$48,000,000 in bonds to finance capital improvement projects throughout the School District (“Measure LL Authorization”). As of the date of this Study, the School District has issued the entire authorized amount under Measure LL with two series of bonds, totaling \$48,000,000.

The 2021 Master Plan demonstrates capital improvement projects are necessary for the long-term use and adequate housing of student enrollment at the School District’s existing facilities and to meet the educational goals of the School District. The proposed capital improvements will benefit student enrollment as a result of new development. Therefore, without implementation of the capital improvement projects, adequate facilities do not exist within the School District to house student enrollment as a result of new development.

As outlined in the 2021 Master Plan, replacement or expansion of facilities at the School District’s existing sites are planned to accommodate student enrollment rather than the acquisition and development of additional school sites.

**2. Estimated Cost Per Seat/Student**

The estimated costs of the School District’s facilities needs were used to determine a per seat/student cost. This calculation is shown in Appendix “E” of this Study. Table 7 shows the estimated Cost per Student by school level.

**TABLE 6  
Estimated Facilities Costs Per Seat/Student**

School Level	Facilities Cost Impact per Seat/Student
Elementary School	\$40,078
Intermediate School	\$70,470

## SECTION III. PROJECTED IMPACT OF RESIDENTIAL DEVELOPMENT

The following sections present the school facility impact analysis for new residential development and provide step-by-step calculations of the estimated per residential square foot cost impact.

To determine the school facilities cost impact per square foot of residential development, first the Facilities Cost Impact per Seat/Student determined in Table 6 is multiplied by the Projected Unhoused Students as shown in Table 5 for each school level. The result of this computation is shown in Table 7 and reflects the estimated school facilities cost impact to house Projected Unhoused Students.

**TABLE 7  
Total Facilities Cost Impact**

School Level	Facilities Cost Impact Per Seat/Student	Projected Unhoused Students	Facilities Cost Impact Attributable to Projected Units
Elementary School	\$40,078	52	\$2,084,056
Intermediate School	\$70,470	14	\$986,580
<b>Total</b>			<b>\$3,070,636</b>

The total school facilities impact shown in Table 7 above was then divided by the number of Projected Units shown in Table 2 to determine the school facilities cost per residential unit. The cost per residential unit is shown in Table 8.

**TABLE 8  
School Facilities Cost per Residential Unit**

Total Facilities Cost Impact	Projected Units	Facilities Cost Impact Per Residential Unit
\$3,070,636	368	<b>\$8,344</b>

The school facilities cost impact per residential square foot is calculated by dividing the school facilities cost per residential unit determined in Table 8 by the weighted average square footage of a residential unit. This calculation is shown in Table 9. The weighted average square footage of the Projected Units is estimated based on square footage information from planned residential developments within the Planning Agencies.

**TABLE 9  
School Facilities Cost per Residential Square Foot**

Facilities Cost Impact Per Residential Unit	Weighted Average Square Footage	Facilities Cost Per Residential Square Foot
\$8,344	1,960	<b>\$4.26</b>

The school facilities impact per residential square foot determined in Table 9 is greater than the School District's share of the current maximum authorized residential School Fees of \$3.45 per square foot; therefore, the School District is justified in levying up to but not exceeding the maximum authorized amount for residential construction and reconstruction.

## SECTION IV. COMMERCIAL/INDUSTRIAL SCHOOL IMPACT ANALYSIS

The following section presents the school facilities impact analysis for new commercial/industrial development and provides a step-by-step calculation of the estimated per commercial/industrial square foot cost impacts.

### A. EMPLOYEE GENERATION

In the course of making the nexus findings to justify School Fees levied on commercial/industrial development, Education Code Section 17621(e)(1)(B) requires that the Study determine the impact of the increased number of employees anticipated to result from commercial/industrial development upon the cost of providing school facilities within the School District. As mentioned in the Executive Summary, for purposes of making such determination this code section further sets out that the employee generation estimates be based on the applicable estimates set forth in the Traffic Study published by SANDAG.

The employee generation estimates per 1,000 square feet of development derived from the Traffic Study are listed by commercial/industrial land use category in Table 10. The land use categories listed are based on those categories described in the Traffic Study and include all land uses recommended by the provisions of Education Code Section 17621(e)(1)(B).

**TABLE 10**  
**Employee Generation per 1,000 Square Feet of Commercial/Industrial Development**

Commercial/Industrial Category	Average Square Footage per Employee	Employees Per 1,000 Square Feet
Banks	354	2.8253
Community Shopping Center	652	1.5348
Neighborhood Shopping Center	357	2.7985
Industrial Business Parks	284	3.5156
Industrial Parks/Warehousing/Manufacturing	742	1.3473
Rental Self-Storage	15,541	0.0643
Research & Development	329	3.0408
Hospitality (Lodging)	883	1.1325
Commercial Offices (Standard)	209	4.7897
Commercial Offices (Large High Rise)	220	4.5442
Corporate Offices	372	2.6848
Medical Offices	234	4.2654

Source: San Diego Traffic Generator Study, January 1990 Edition; SANDAG.

## B. RESIDENTIAL IMPACT

### 1. Households

To evaluate the impact of commercial/industrial development on School District facilities, the employee generation estimates listed in Table 10 were first used to determine the impact of commercial/industrial development on a per household basis. Based on information derived from U.S. Census Bureau data<sup>5</sup>, there are approximately 1.50 employed persons per household on average for households located within the School District. Dividing the employee generation estimates listed in Table 10 by 1.50 results in the estimated number of households per 1,000 square feet of commercial/industrial development (“Total Household Impact”).

The Total Household Impact determined in the preceding paragraph takes into consideration all employees generated from commercial/industrial development. Since some of those employees will live outside the School District and will therefore have no impact on the School District, the figures are adjusted to reflect only those households within the School District occupied by employees generated from commercial/industrial development built within the School District. Based on information derived from U.S. Census Bureau data<sup>6</sup>, it is estimated that approximately seventeen and seven tenths’ percent (17.7%) of employees both live and work within the School District. Multiplying the Total Household Impact by seventeen and seven tenths’ percent (17.7%) results in the households within the School District impacted per 1,000 square feet commercial/industrial development. The results of these computations are shown in Table 11.

**TABLE 11**  
**Impact of Commercial/Industrial Development on**  
**Households within the School District**

Commercial/Industrial Category	School District Households per 1,000 Square Feet Com./Ind.
Banks	0.3334
Community Shopping Center	0.1811
Neighborhood Shopping Center	0.3302
Industrial Business Parks	0.4148
Industrial Parks/Warehousing/Manufacturing	0.1590
Rental Self-Storage	0.0076
Research & Development	0.3588
Hospitality(Lodging)	0.1336
Commercial Offices (Standard)	0.5652
Commercial Offices (Large High Rise)	0.5362
Corporate Offices	0.3168
Medical Offices	0.5033

<sup>5</sup> 2022 American Community Survey 5-Year Estimates; DP04-Selected Housing; DP03-Economic Characteristics (Civilian Employed).

<sup>6</sup> 2022 American Community Survey 5-Year Estimates; S0801-Commuting Characteristics (Work in place of residence).

## 2. New Household Student Generation

The student generation impacts per 1,000 square feet of commercial/industrial development were calculated by multiplying the household impacts shown in Table 11 by blended student generation rates determined for each school level. The result of this calculation is shown in Table 12. The determination of student generation rates are shown and described in Appendix “D” of this Study.

**TABLE 12**  
**Student Generation per 1,000 Square Feet of**  
**Commercial/Industrial Development**

Commercial/Industrial Category	Elementary School Student Generation	Intermediate School Student Generation	Total Student Generation
Banks	0.0466	0.0129	0.0595
Community Shopping Center	0.0253	0.0070	0.0323
Neighborhood Shopping Center	0.0461	0.0128	0.0589
Industrial Business Parks	0.0579	0.0161	0.0740
Industrial Parks/Warehousing/Manufacturing	0.0222	0.0062	0.0284
Rental Self-Storage	0.0011	0.0003	0.0014
Research & Development	0.0501	0.0139	0.0640
Hospitality (Lodging)	0.0187	0.0052	0.0239
Commercial Offices (Standard)	0.0790	0.0219	0.1009
Commercial Offices (Large High Rise)	0.0749	0.0208	0.0957
Corporate Offices	0.0443	0.0123	0.0566
Medical Offices	0.0703	0.0195	0.0898

## 3. Inter-District Student Impact

Based on information provided by the School District, 234 students were enrolled at the School District on an inter-district basis as of October 2023, including 164 students at the elementary school level and 70 students at the intermediate school level. Many of those inter-district students attend the School District as a result of their parents or guardians being employed at businesses located within the School District boundaries. To determine the inter-district impact of new commercial/industrial development, the number of inter-district students at each school level was first divided by the estimated number of employees within the School District’s area. Employment was estimated at 17,326 based on data obtained from the U.S. Census Bureau. The ratio of inter-district students to estimated employment for each school level was then multiplied by the employee generation factors for each of the commercial/industrial categories as shown in Table 10. The calculation results in the Inter-District Student Impacts shown in Table 13.



**TABLE 13**  
**Inter-District Cost Impact per 1,000 Square Feet of**  
**Commercial/Industrial Development**

Commercial/Industrial Category	Elementary School Student Generation	Intermediate School Student Generation	Total Student Generation
Banks	0.0268	0.0113	0.0381
Community Shopping Center	0.0146	0.0061	0.0207
Neighborhood Shopping Center	0.0266	0.0112	0.0378
Industrial Business Parks	0.0334	0.0141	0.0475
Industrial Parks/Warehousing/Manufacturing	0.0128	0.0054	0.0182
Rental Self-Storage	0.0006	0.0003	0.0009
Research & Development	0.0289	0.0122	0.0411
Hospitality (Lodging)	0.0108	0.0045	0.0153
Commercial Offices (Standard)	0.0455	0.0192	0.0647
Commercial Offices (Large High Rise)	0.0432	0.0182	0.0614
Corporate Offices	0.0255	0.0107	0.0362
Medical Offices	0.0405	0.0171	0.0576

**4. Total Student Generation Impact**

The Total Student Generation Impact is determined by adding the Student Generation Impacts shown in Table 12 to the Inter-District Impacts determined in Table 13. The Total Student Generation Impacts are listed in Table 14.

**TABLE 14**  
**Total Student Generation Impact per 1,000 Square Feet of**  
**Commercial/Industrial Development**

Commercial/Industrial Category	Elementary School Student Generation	Intermediate School Student Generation	Total Student Generation
Banks	0.0734	0.0242	0.0976
Community Shopping Center	0.0399	0.0131	0.0530
Neighborhood Shopping Center	0.0727	0.0240	0.0967
Industrial Business Parks	0.0913	0.0302	0.1215
Industrial Parks/Warehousing/Manufacturing	0.0350	0.0116	0.0466
Rental Self-Storage	0.0017	0.0006	0.0023
Research & Development	0.0790	0.0261	0.1051
Hospitality (Lodging)	0.0295	0.0097	0.0392
Commercial Offices (Standard)	0.1245	0.0411	0.1656
Commercial Offices (Large High Rise)	0.1181	0.0390	0.1571
Corporate Offices	0.0698	0.0230	0.0928
Medical Offices	0.1108	0.0366	0.1474

## C. NET IMPACT PER COMMERCIAL/INDUSTRIAL SQUARE FOOT

### 1. Cost Impact

To estimate the school facilities costs required to house new students as a result of additional commercial/industrial development, the Facilities Cost Impact per Seat/Student determined in Table 6 is multiplied by the household impacts calculated in Table 14, resulting in the total school facilities cost impact per 1,000 square feet of commercial/industrial development. The total school facilities cost impacts are shown in Table 15 by commercial/industrial development category.

**TABLE 15**  
**School Facilities Costs per 1,000 Square Feet of**  
**Commercial/Industrial Development**

Commercial/Industrial Category	Elementary School Impact	Intermediate School Impact	Total Cost Impact
Banks	\$2,942	\$1,705	\$4,647
Community Shopping Center	\$1,599	\$923	\$2,522
Neighborhood Shopping Center	\$2,914	\$1,691	\$4,605
Industrial Business Parks	\$3,659	\$2,128	\$5,787
Industrial Parks/Warehousing/Manufacturing	\$1,403	\$817	\$2,220
Rental Self-Storage	\$68	\$42	\$110
Research & Development	\$3,166	\$1,839	\$5,005
Hospitality (Lodging)	\$1,182	\$684	\$1,866
Commercial Offices (Standard)	\$4,990	\$2,896	\$7,886
Commercial Offices (Large High Rise)	\$4,733	\$2,748	\$7,481
Corporate Offices	\$2,797	\$1,621	\$4,418
Medical Offices	\$4,441	\$2,579	\$7,020

### 2. Residential Fee Offsets

The total cost impacts determined in Table 15 represent the amounts required to fully mitigate the impact on school facilities, as a result of new commercial/industrial development within the School District. Many employees as a result of new commercial/industrial development will commute from areas outside of the School District boundaries or will reside in existing homes, from which no mitigation will be received from the housing in which they reside. However, new commercial/industrial development, and thereby new employee generation, will also increase the need for new residential development to house those employees living in the School District. Applicable Residential School Fees adopted by the School District under applicable law will also be imposed by the School District on such new residential development. To prevent new commercial/industrial development from paying the portion of impact that is mitigated by the Applicable Residential School Fees, this amount has been calculated and deducted from the school facilities impact costs calculated in Table 15.

The residential fee offsets are first calculated by using the Applicable Residential School Fee of \$3.45 per square foot and multiplying that amount by the weighted average square footage of a residential unit in the School District, which is 1,960 square feet. This calculation provides the average residential revenues from a residential unit of \$6,762 (\$3.45 x 1,960). The average residential revenues from a residential unit multiplied by the Household Impacts per 1,000 square feet of commercial/industrial development, as shown in Table 11, results in the residential school fee revenues per 1,000 square feet of commercial/industrial development (“Residential Fee Offset”). This computation is shown in Table 16.

**TABLE 16**  
**Residential Fee Offsets**

Commercial/Industrial Category	School District Households per 1,000 Square Feet Com./Ind.	Residential Fee Offset per 1,000 Square Feet Com./Ind.
Banks	0.3334	\$2,254
Community Shopping Center	0.1811	\$1,225
Neighborhood Shopping Center	0.3302	\$2,233
Industrial Business Parks	0.4148	\$2,805
Industrial Parks/Warehousing/Manufacturing	0.1590	\$1,075
Rental Self-Storage	0.0076	\$51
Research & Development	0.3588	\$2,426
Hospitality (Lodging)	0.1336	\$903
Commercial Offices (Standard)	0.5652	\$3,822
Commercial Offices (Large High Rise)	0.5362	\$3,626
Corporate Offices	0.3168	\$2,142
Medical Offices	0.5033	\$3,403

### 3. Net School Facilities Costs

Subtracting the Residential Fee Offset determined in Table 16 from the total school facilities costs listed in Table 15 results in the net school facilities costs per 1,000 square feet of commercial/industrial development (“Net School Facilities Costs”). The Net School Facilities Costs are listed in Table 17.



**TABLE 17**  
**Net School Facilities Costs Per 1,000 Square Feet of**  
**Commercial/Industrial Development**

Commercial/Industrial Category	Total School Facilities Costs	Residential Fee Offset	Net School Facilities Costs
Banks	\$4,647	\$2,254	\$2,393
Community Shopping Center	\$2,522	\$1,225	\$1,297
Neighborhood Shopping Center	\$4,605	\$2,233	\$2,372
Industrial Business Parks	\$5,787	\$2,805	\$2,982
Industrial Parks/Warehousing/Manufacturing	\$2,220	\$1,075	\$1,145
Rental Self-Storage	\$110	\$51	\$59
Research & Development	\$5,005	\$2,426	\$2,579
Hospitality (Lodging)	\$1,866	\$903	\$963
Commercial Offices (Standard)	\$7,886	\$3,822	\$4,064
Commercial Offices (Large High Rise)	\$7,481	\$3,626	\$3,855
Corporate Offices	\$4,418	\$2,142	\$2,276
Medical Offices	\$7,020	\$3,403	\$3,617

The Net School Facilities Costs determined in Table 17 were then divided by 1,000<sup>7</sup> to provide the cost impact on a square foot basis. These cost impacts are listed in Table 18.

**TABLE 18**  
**Net School Facilities Cost Impacts Per Square Foot of**  
**Commercial/Industrial Development**

Commercial/Industrial Category	Net School Facilities Cost Impacts per Square Foot
Banks	<b>\$2.39</b>
Community Shopping Center	<b>\$1.30</b>
Neighborhood Shopping Center	<b>\$2.37</b>
Industrial Business Parks	<b>\$2.98</b>
Industrial Parks/ Warehousing/Manufacturing	<b>\$1.15</b>
Rental Self-Storage	<b>\$0.06</b>
Research & Development	<b>\$2.58</b>
Hospitality (Lodging)	<b>\$0.96</b>
Commercial Offices (Standard)	<b>\$4.06</b>
Commercial Offices (Large High Rise)	<b>\$3.86</b>
Corporate Offices	<b>\$2.28</b>
Medical Offices	<b>\$3.62</b>

<sup>7</sup> The Employee Generation Rates derived from the SANDAG Traffic Study are estimated per 1,000 square feet of development.

The net school facilities cost impacts per commercial/industrial square foot of assessable space shown in Table 18 are equal to or exceed the School District's share of the maximum authorized statutory school fee for commercial/industrial development of \$0.56 per square foot, except for the category of Rental Self-Storage. Therefore, the School District is justified in levying school fees on commercial/industrial in amount up to but not exceeding the maximum authorized statutory fee, or the net cost impacts determined for the category Rental Self-Storage.

#### D. COMMERCIAL/INDUSTRIAL DEVELOPMENT NOT IN PRESCRIBED CATEGORIES

In cases where new commercial/industrial development does not fit within the prescribed categories shown in Table 10, the School District shall evaluate such development on a case-by-case basis to determine if the imposition of the School Fees on the development meets the nexus requirements set forth under Government Code Section 66000 et seq. The School District may levy School Fees on such development in an amount up to but not exceeding the cost per square foot impact determined through such evaluation.

#### E. AGE-RESTRICTED (SENIOR) HOUSING

The School District must exercise discretion in determining whether a particular project qualifies as "senior citizen housing" for the purpose of imposing developer fees. (See *California Ranch Homes Development Co. v. San Jacinto Unified School Dist.* (1993) 17 Cal.App.4th 573, 580–581.) The School District acknowledges Section 65995.1 and will levy its share of School Fees on qualifying senior citizen housing projects at the current commercial/industrial rate of \$0.56 per square foot as justified herein. The School District will require proof that such senior units are indeed restricted to seniors (i.e. a copy of the recorded CC&Rs or deed(s)) and reserves the right to revoke a Certificate of Compliance and/or require payment of difference of the amount per square foot paid to the then current amount of School Fees being levied on residential development per square foot should such CC&Rs or deed(s) be modified to allow students to reside in such the housing units. If there is any uncertainty as to whether a project qualifies as senior citizen housing or will, in fact, remain senior citizen housing beyond initial approval, the School District may wish to seek cooperation from the developer as a condition of levying the commercial/industrial School Fee rate. Such cooperation could take the form of an agreement by the developer to include a restriction in the recorded CC&Rs conditioning subsequent changes in residency requirements on the owner's payment of applicable developer fees, and to notify the School District of changes in residency requirements and/or to provide current residency data upon School District's request.

## SECTION V. REDEVELOPMENT

---

Government Code Section 66001, subdivision (a)(3) and (4) requires that a school district, in imposing school-impact fees, establish a reasonable relationship between the fee's use, the need for the public facility and the type of development project on which the fee is imposed. This section addresses and sets forth general policy when considering the levy of school fees on new construction resulting from redevelopment projects within the School District.

Redevelopment means voluntarily demolishing existing residential, commercial, and/or industrial structures and subsequently replacing them with new construction ("Redevelopment"). The School District is aware of Redevelopment projects completed within the School District boundaries and anticipates similar Redevelopment projects may be completed in the next ten (10) years and beyond. School fees authorized pursuant to Education Code Section 17620 and Government Code Sections 65995 et seq. shall be levied by the School District on new construction resulting from Redevelopment projects, if there is a nexus between the School Fees being imposed and the impact of new construction on school facilities, after the impact of pre-existing development has been taken into consideration. In determining such nexus, the School District shall review, evaluate and determine on a case-by-case basis, the additional impact of the proposed new development by comparing the projected square footage, student generation and cost impacts of the proposed new units and the pre-existing residential, commercial and/or industrial development. Such analysis shall utilize the student generation rates identified in Table 3 of this Study, as applicable.

Redevelopment projects featuring a transition in commercial/industrial categorical classification (e.g. a project redeveloping a Hospitality (lodging) into Commercial office (standard) space) should be assessed based on the Applicable School Fee for the new commercial/industrial category multiplied by the total assessable space of the new commercial/industrial project in the case of a complete site redevelopment. In the case where there is a partial redevelopment, or an addition to an existing development, the Applicable School Fee should be calculated on a basis of the marginal assessable space increase multiplied by the maximum Applicable School Fee for the for the assessable space.

The School District may levy school fees, authorized under applicable law, on new units resulting from construction projects in an amount up to the additional impact cost per square foot as determined in accordance with the preceding paragraphs, but not exceeding the applicable school fees.

## SECTION VI. GOVERNMENT CODE 66000

---

Government Code Sections 66000 *et seq.* were enacted by State Legislature in 1987. In any action establishing, increasing, or imposing a fee as a condition of approval of a development project, such as the Applicable School Fees described herein, these Government Code sections require the public agency to satisfy the following requirements:

1. Determine the purpose of the fee;
2. Identify the use to which the fee is to be put;
3. Determine how there is a reasonable relationship between the fee's use and the type of development project on which the fee is imposed;
4. Determine that there is a reasonable relationship between the need for the public facilities and the type of development project on which the fee is imposed;
5. Determine that there is a reasonable relationship between the amount of the fee and the cost, or portion of the cost of the public facility attributable to the development on which the fee is imposed; and
6. Provide an annual accounting of any portion of the fee remaining unspent or held for projects for more than five (5) years after collection.

The information set forth herein, including the information contained in the Appendices attached hereto, provide factual evidence establishing a nexus between the type of development projected to be built within the School District and the amount of Applicable School Fees levied upon such development based on the need for such Applicable School Fees. The determinations made in this Study meet the requirements of Government Code Section 66000. The findings are summarized as follows:

### Purpose of the School Fee

The Board of the School District will levy and collect school fees on new residential and commercial/industrial development to obtain funds for the construction and/or reconstruction of school facilities to accommodate students generated as a result of such development. In accordance with Education Code Section 17620, "construction or reconstruction of school facilities" **does not** include any item of expenditure for any of the following:

- i. Regular maintenance or routine repair of school buildings and facilities;
- ii. Inspection, sampling, analysis, encapsulation or removal of asbestos-containing material, except where incidental to school facilities construction or reconstruction for which the expenditure of fees or other consideration collected pursuant to Education Code Section 17620 is not prohibited; and,
- iii. Deferred maintenance as described in Education Code Section 17582.

## Identify the Use of the School Fee

The School District has determined that revenues collected from Applicable School Fees imposed on residential and commercial/industrial developments will be used for the following purposes:

- i. Construction, reconstruction and/or refurbishment of school facilities required to accommodate students generated by new residential and commercial/industrial development in areas of the School District where school facilities are needed;
- ii. Construction, reconstruction and/or refurbishment of administrative and operations facilities required in response to new student growth from new development;
- iii. Acquisition or lease of property for unhoused students generated from new development;
- iv. Purchase or lease of interim and/or temporary school facilities in order to accommodate student capacity demands;
- v. Costs associated with the administration, collection, and justification for the Applicable School Fees;
- vi. Provide local funding that may be required if the School District applies for State funding through SB 50.

## Relationship Between the Use of the Fee, the Need for School Facilities and the Type of Development on which the Fee is Imposed

As determined in the preceding sections, adequate school facilities do not exist to accommodate students generated from new residential and commercial/industrial development in the areas of the School District where new development is anticipated. The fees imposed on such new development will be used to finance the acquisition of property and the construction and/or reconstruction of school facilities required to accommodate student enrollment growth generated by new residential and commercial/industrial development.

## Determination of the Relationship Between the Fee Amount and the School Facilities Costs Attributable to Type of Development on which the Fee is Imposed

The imposition of the Applicable Residential School Fee of \$3.45 per square foot of residential development is justified as the fee is equal to or below the per square foot cost impacts to provide adequate school facilities required as a result of such new residential development.

Similarly, the imposition of the Applicable Com/Ind. School Fees of \$0.56 per square foot of commercial/industrial development is justified as the fee is equal to or below the estimated per square foot net cost impact to provide adequate school facilities required as a result of such new commercial/industrial development, except for Rental Self-Storage where a School Fee of \$0.06 per square foot is justified.

## ACCOUNTING PROCEDURES FOR THE FEES

The School District will deposit, invest, and expend the school fees imposed and collected on residential and commercial/industrial development in accordance with the provision of Government Code Section 66006.

## APPENDIX A

### COMMERCIAL/INDUSTRIAL DEVELOPMENT DESCRIPTIONS

Banks	Include small branch offices to regional offices used for banking. Properties under this category allow customers to conduct banking on-site.
Shopping Center	Broadly include regional, community and neighborhood shopping centers which sell merchandise and services to consumers. Include grocery stores, restaurants, retail centers, automotive sales.
Industrial Business Parks	Include any combination of facilities engaged in manufacturing/assembly, warehousing, and/or storage with 15% or more of the total area designated for commercial use.
Industrial Parks/ Warehousing/Manufacturing	Include any combination of facilities engaged in manufacturing/assembly, warehousing, and/or storage with limited or no commercial use (less than 15% of the total area designated for commercial use).
Rental Self-Storage	Include warehouse developments which rent small storage vaults and often termed "mini-storage".
Research & Development	Include scientific research and development laboratories, office and/or their supporting facilities.
Hospitality (Lodging)	Include establishments which provide lodging to the general public. Lodging types include hotels, motels, resort hotels and inns. The maximum term of occupancy for establishment within this category shall not exceed 30 days.
Commercial Offices (Standard) <sup>1</sup>	Include general office space occupying less than 100,000 square feet with multiple tenants.
Commercial Offices (Large High Rise) <sup>1</sup>	Include general office space occupying 100,000 square feet and greater with multiple tenants.
Corporate Offices	An office or office building with a single tenant.
Medical Offices	Include medical offices that serve a wide range of medical needs and may include a pharmacy. Medical offices are generally operated by one or more physicians.

<sup>1</sup> Office space used for activities described under banks, research and development, or medical offices should be classified under those categories.

## APPENDIX B FACILITIES CAPACITY UPDATE

### Classroom Inventory/Building Capacity

School Level	Site Name	Permanent Classrooms	Portable Classrooms	Total Classrooms	Special Use Classrooms	General Education Classrooms
Elementary	El Portal Elementary	12	12	24	3	21
	Jordan Elementary	27	0	27	0	27
	Macy Elementary	16	4	20	0	20
	Meadow Green Elementary	17	5	22	3	19
	Olita Elementary	16	5	21	0	21
	<b>Elementary School Totals</b>	<b>88</b>	<b>26</b>	<b>114</b>	<b>6</b>	<b>108</b>
Intermediate	Rancho Starbuck Intermediate	25	10	35	4	31
	<b>Intermediate School Totals</b>	<b>25</b>	<b>10</b>	<b>35</b>	<b>4</b>	<b>31</b>
<b>Total (TK-8)</b>		<b>113</b>	<b>36</b>	<b>149</b>	<b>10</b>	<b>139</b>

### Classroom Inventory

Description	General Education		Special Education	Total
	TK-6	7-8		
I. Total Classroom Inventory	108	31	10	149
II. Permanent Classrooms				113
III. Portable Classrooms				36
IV. 25% of Permanent Classrooms				28
V. Adjustment (III. Minus IV.)	6	2	0	8
IV. Eligible Classrooms (I. minus V.)	102	29	10	141
<b>Student Capacity<sup>1</sup></b>	<b>2,550</b>	<b>783</b>	<b>250</b>	<b>3,583</b>

<sup>1</sup> Per Education Code Section 17071.10, school capacities are determined based on loading factors of 25 students per classroom for grades transitional kindergarten through 6 and 27 students per classroom for grades 7 and 8. Also per OPSC, capacity is loaded at 13 students per classroom for special day classes and 25 students per classroom for non-instructional classrooms.

### Building Capacity by School Level

Description	TK-6	7-8	Total
General Education	2,550	783	3,333
Proration of Special Education	191	59	250
<b>Total</b>	<b>2,741</b>	<b>842</b>	<b>3,583</b>



## APPENDIX C ENROLLMENT SUMMARY

School Name	Elementary							Intermediate		Total
	TK/K	1	2	3	4	5	6	7	8	
El Portal Elementary	98	61	59	70	54	74	97	--	--	513
Macy Elementary	69	46	57	63	48	70	61	--	--	414
Olita Elementary	72	56	56	61	65	54	55	2	2	423
Jordan Elementary	112	71	55	59	58	57	55	--	--	467
Meadow Green Elementary	87	77	66	59	70	63	67	--	--	489
Rancho-Starbuck Intermediate	--	--	--	--	--	--	--	341	383	724
<b>Total</b>	<b>438</b>	<b>311</b>	<b>293</b>	<b>312</b>	<b>295</b>	<b>318</b>	<b>335</b>	<b>343</b>	<b>385</b>	<b>3,030</b>
<b>Total By School Level</b>	<b>2,302</b>							<b>728</b>		<b>3,030</b>

Source: School District



## APPENDIX D DISTRICT-WIDE STUDENT GENERATION RATES

Student Generation Rates (“SGRs”) used in this Study are based on student enrollment address information from the School District, as of October 2023.

The student enrollment address information was matched to the address (situs) information from the property characteristic/GIS data. The number of students matched was then queried by school level and residential category. Students could not be matched if they were inter-district or if they did not have a valid physical address (e.g. only P.O. Box was listed). Mobile homes are not considered in the SGR determination, and therefore have been omitted. The determination of the SGRs is summarized in Tables D-1 through D-4.

**TABLE D-1  
Student Generation Rates**

School Level	SFD Units	MFA Units
Elementary School	0.2026	0.1267
Intermediate School	0.0639	0.0335
<b>Total</b>	<b>0.2665</b>	<b>0.1602</b>

**TABLE D-2  
Single Family Detached (SFD) Student Generation Rates**

School Level	Students Matched	SFD Units <sup>1</sup>	SGR by School Level
Elementary School	1,661	8,199	0.2026
Intermediate School	524	8,199	0.0639
<b>Total</b>	<b>2,185</b>	<b>NA</b>	<b>0.2665</b>

<sup>1</sup> 2022 American Community Survey 5-Year Estimates; DP04 – Selected Housing

**TABLE D-3  
Multi-Family Attached (MFA) Student Generation Rates**

School Level	Students Matched	MFA Units <sup>1</sup>	SGR by School Level
Elementary School	390	3,077	0.1267
Intermediate School	103	3,077	0.0335
<b>Total</b>	<b>493</b>	<b>NA</b>	<b>0.1602</b>

<sup>1</sup> 2022 American Community Survey 5-Year Estimates; DP04 – Selected Housing

The student generation rates for each residential category listed in Table D-1 were blended into a single student generation rate for each school level based on the percentage allocation of Projected Units. The percentage allocations are shown in Table D-4.

**TABLE D-4**  
**Allocation of Projected Units by Residential Category**

Residential Category	Projected Units	Percentage Allocation
SFD	63	17%
MFA	305	83%
<b>Total</b>	<b>368</b>	<b>100%</b>

The Blended Student Generation Rates were determined by applying the percentage allocations in Table D-4 by the Student Generation Rates shown in Table D-1, the results of which are shown in Table D-5.

**TABLE D-5**  
**Blended Student Generation Rates**

School Level	Blended Student Generation Rate
Elementary School	0.1397
Intermediate School	0.0387
<b>Total</b>	<b>0.1784</b>

## APPENDIX E ESTIMATED SCHOOL FACILITIES COSTS

**TABLE E-1  
Estimated Facilities Costs**

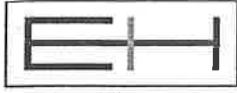
School Site	Eligible Costs
El Portal Elementary	\$18,287,401
Macy Elementary	14,455,426
Olita Elementary	17,620,712
Jordan Elementary	17,711,421
Meadow Green Elementary	19,887,783
Rancho-Starbuck Intermediate	47,511,984
<b>Total</b>	<b>\$135,474,727</b>

Source: Facilities Master Plan, dated June 2021

**TABLE E-2  
Estimated Facilities Costs per Seat/Student**

Description	Elementary School	Intermediate School	Total School District
Total 2021 Estimated Costs	\$87,962,743	\$47,511,984	\$135,474,727
<b>Estimated Costs (2024 Dollars)<sup>1</sup></b>	<b>\$109,853,175</b>	<b>\$59,335,829</b>	<b>\$169,189,004</b>
School Capacity	2,741	842	3,583
<b>Total Cost per Seat/Student</b>	<b>\$40,078</b>	<b>\$70,470</b>	<b>\$110,548</b>

<sup>1</sup> Based on the percentage change in the State of California SAB Approved Construction Cost Index.



Erickson-Hall Construction  
An Employee Owned Company

PCCO #001

Erickson-Hall Construction Co.  
12600 Westminster Ave  
Garden Grove, California 92843  
Phone: (760) 796-7700

Project: 4205 - Rancho Starbuck  
16430 Woodbrier Drive  
Whittier, California 90604

## Prime Contract Change Order #001: Library Entry Canopy

TO:	Lowell Joint School District 11537 Grovedale Dr. Whittier, California 90604	FROM:	Erickson-Hall Construction Co 500 Corporate Drive Escondido, California 92029
PCCO NUMBER/REVISION:	001 / 0	CONTRACT FOR:	4205:Rancho Starbuck MS Prime Contract
DATE CREATED:	4/24/2024	SUBMITTED DATE:	04/24/2024
SCHEDULE IMPACT:		TOTAL AMOUNT:	\$219,593.00

**DESCRIPTION:**

Per the direction of the Library Entry Canopy DSA approved plans and specifications, at the eastside of Building C, Library Entrance, a new steel canopy is to be installed. The following pricing is for furnishing and installing a new structural steel canopy with decking, signage lettering, concrete caissons, sheet metal drip edges, paint, abating existing ceramic tile and a new drink fountain at the exterior of Building A.

**ATTACHMENTS:**

**Potential Change Orders in this Change Order**

PCO #	Title	Schedule Impact	Amount
035 R1	Library Entry Canopy		\$214,863.00
060	Library Entry Canopy Abatement		\$4,730.00
<b>Total:</b>			<b>\$219,593.00</b>

The original (Contract Sum)	\$12,212,234.00
Net change by previously authorized Change Orders	\$0.00
The contract sum prior to this Change Order was	\$12,212,234.00
The contract sum would be changed by this Change Order in the amount of	\$219,593.00
The new contract sum including this Change Order will be	\$12,431,827.00

Execution of this Potential Change Order will revise the contract value as indicated and may change the contract duration. Contractor reserves it's right to request additional time and/or cost once the full extent or cumulative nature of the contract change(s) become known.

Ghataode Bannon Architects  
760 W 16th Street Unit B  
Costa Mesa, California 92627

Lowell Joint School District  
11537 Grovedale Dr.  
Whittier, California 90604

Erickson-Hall Construction Co  
500 Corporate Drive  
Escondido, California 92029

 4/24/24  
SIGNATURE DATE

\_\_\_\_\_  
SIGNATURE DATE

  
SIGNATURE DATE



**ERICKSON-HALL**  
CONSTRUCTION CO.

**Contingency Request Proposal**

School: Rancho Starbuck Intermeditate School

Project Name: Rancho Starbuck Intermeditate School - HVAC + Fire Alarm  
Project No.: 4205

DSA Application No.: 03-122564

Architect: Ghataode Bannon Architects.  
Project Manager: Lowell Joint School District  
Contractor: Erickson-Hall Construction Co.

COP No.: 35R1  
Date: 3/25/2024  
Reference RFIs: RFI 109  
Reference RFP / Bulletin No.: N/A

**DESCRIPTION:** Per the direction of the Library Entry Canopy V2 (A#03-123799) plans dated 10/20/23, 12/20/22 and 12/22/23 and specifications dated on 10/30/23 and received on 1/8/2024, at the eastside of Building C, Library Entrance, a new steel canopy is to be installed. The following pricing is for furnishing and installing a new structural steel canopy with decking, signage lettering, concrete caissons, sheet metal drip edges, paint, and a new drink fountain at the exterior of Building A. Excluded in the cost is any changes made in the approval of the plan, specifications and DSA 103 documents.

**Subcontractor Costs** (used when work is subcontracted)

Subcontractor	Description	Material	Labor	Equipment	Totals
Bravo Concrete Construction, Inc.	Added Casisson and Rebar Cages	\$ 10,557.83	\$ 10,408.28	\$ -	\$ 20,966.11
Vulcan Steel Company	Added Steel Canopy, Decking, Etc.	\$ 26,258.00	\$ 12,904.00	\$ 95,984.00	\$ 135,146.00
D&M Painting, Inc.	Added Painting	\$ 1,385.00	\$ 4,590.00	\$ -	\$ 5,975.00
MPI-Miller Plumbing, Inc.	Added Drink Fountain/Bottle Filler	\$ 2,889.42	\$ 1,206.60	\$ -	\$ 4,096.02
Letner Roofing, Co.	Added Edge Metal	\$ 113.89	\$ 765.20	\$ -	\$ 879.09
A Good Sign & Graphics, Co.	Added Signage Lettering	\$ 6,243.32	\$ 5,138.40	\$ 800.00	\$ 12,181.72
					\$ -
					\$ -
	<b>Subtotals</b>	\$ 47,447.46	\$ 35,012.48	\$ 96,784.00	\$ 179,243.94
	Subcontractor OH and Profit (10%)				\$17,924.39
	Tired Subcontractor Cost				\$0.00
	Subcontractor Profit of Tired Subcontractor (5%)				\$0.00
	Subcontractor Bond (1%)				\$1,837.68
	<b>Subcontractor Subtotal</b>				\$199,006.02
	Contractor OH and Profit (5%)				\$9,950.30
	<b>Contractor/Subcontractor Subtotal</b>				\$208,956.32
	Contractor Bond (1%)				\$2,089.56
	<b>Subcontractor Total + Contractor Mark-ups</b>				\$211,045.88

**Contractor Costs** (used when work is self-performed)

Contractor	Description	Material	Labor	Equipment	Totals
					\$ -
					\$ -
					\$ -
	<b>Subtotals</b>	\$ -	\$ -	\$ -	\$ -
	Contractor OH and Profit (10%)				\$ -
	<b>Contractor totals</b>				\$ -
	Contractor Bond (1%)				\$ -
	<b>Contractor Subtotal</b>				\$ -

**TOTAL COSTS FOR COP No. 34 \$ 211,046**

**Contractor Time**

**TOTAL TIME FOR COP No. 34 0 days**

**BRAVO CONCRETE CONSTRUCTION SERVICES INC.**  
**681 W. La Cadena Dr., Riverside, CA. 92501**  
**951-680-9009 - FAX: 951 680-9028**

TO: Erickson-Hall / Christian Mejia

COR#008r1

03.21.2024

JOB NAME: 4205 Rancho Starbuck Intermediate School

DESCRIPTION: Library Entry Canopy Caissons Revised to reflect changes on DWG V2\_BC dated 12.22.2023. To Include: Labor, Tools, Equipment and Materials to install five (5) caissons;(three (3) @ 2'Wx8.25'D and two (2) @ 2'Wx7.33'D), set provided by other column posts per 13/A002 and 8/S0.2. **Excluded:** Widening of existing footing per A#03-122564, Any material, and equipment not described below. Bravo Concrete can not be responsible for repair or damage to any unforeseen existing utility lines in area of excavation. If potholing is required please advise and an extra fee will be provided. No asbuilts for underground in this area have been provided. Survey of exact location of each caisson. Dispose of spoils off site; (All soil spoils will be stocked piled on site at directed location-one time).

LABOR	HRS	RATE	AMOUNT	DESCRIPTION OF WORK
Carp. Foreman	12.00	\$101.49	\$1,217.88	
Carp. / Finish JM	40.00	\$90.50	\$3,620.00	
App	32.00	\$71.69	\$2,294.08	
Labor JM	16.00	\$87.55	\$1,400.80	
Operator JM	16.00	\$117.22	\$1,875.52	
		<b>TOTAL LABOR</b>	\$10,408.28	
MATERIAL & EQUIPMENT	QTY	RATE	AMOUNT	DESCRIPTION OF WORK
Bobcat	4.00	\$62.50	\$250.00	Equipment Tm., Fuel, mainenance. Grade and move spoils stk pl.
Mini X	12.00	\$106.97	\$1,283.64	Equipment Tm., Fuel, mainenance. Delivery and PU
Auger Motor	2.00	\$425.62	\$851.24	Equipment Tm., Bit Tm., Delivery, PU, and maintenance
Dump truck	4.00	\$98.00	\$392.00	To relocate soil spoils to directed stock pile on site.
Foam E.J.M.	1.00	\$302.00	\$302.00	2'x dpth of (E) Ftg.x 2'W at (3) caissons Clsd. Cell, Foam Expsn. Jnt. Mtrl., Dlvry & Tax
Form Material	1.00	\$572.00	\$572.00	Lumber, hardware, stakes, and misc.: nails, string, and blades
Lift	1.00	\$1,200.00	\$1,200.00	Equipment to hang columns while setting, Delv.&PU Fuel
Expnsn Matr &	8.00	\$16.20	\$129.60	1/2" Expnsn Mat., & Joint Sealnt around each column
Rebar Caissons	5.00	\$697.47	\$3,487.35	Cages, Trnd dwn, & Cntinous bar @ thikned edges. Mat., tie wire, Fab & delivery.
Concrete	6.00	\$195.00	\$1,170.00	SOG approved mix, AB219, envior fee, delivery, and tax.
Buggies	4.00	\$230.00	\$920.00	Equipment, Fuel, Delivery, P.U., and clean up.
		<b>TOTAL EQUIPMENT / MATERIALS</b>	\$10,557.83	

<b>TOTAL LABOR</b>	<b>\$10,408.28</b>
<b>TOTAL EQUIPMENT / MATERIAL</b>	<b>\$10,557.83</b>
<b>SUB-TOTAL</b>	<b>\$20,966.11</b>
<b>10%</b>	<b>\$2,096.61</b>
<b>Subtotal</b>	<b>\$23,062.72</b>
<b>Subcontractor + 5%</b>	<b>\$0.00</b>
<b>Bond</b>	<b>\$230.63</b>
<b>TOTAL</b>	<b>\$23,293.35</b>



Vulcan Steel Company  
 PO Box 386  
 Bloomington, CA 92316  
 Phone (909) 877-0975 Fax (909) 877-3053

To: Erickson Hall Construction Co.  
 500 Corporate Dr.  
 Escondido, CA 92029

PROJECT NO.: 2317  
 PROJECT NAME: Rancho Starbuck MS  
 COST PROPOSAL # 2  
 RFI#

DATE: 3/8/2024

Change Order Request

DESCRIPTION OF CHANGE: Library Entry Canopy

ITEM DESCRIPTION	MATERIAL			LABOR			OTHER		
	QUANTITY	UNIT	EXTENSION	HOURS	RATE	EXTENSION	QUANTITY	UNIT	EXTENSION
Material			\$ 15,340						
Approximately 12,000lbs material \$1.27/LB									
Galvanizing			\$ 8,750						
Paint			\$ -						
Shop Labor				109	\$118.39	\$ 12,904			
Rolling									\$ 5,000
Delivery									\$ 3,000
Invoice from Arrowhead Steel									\$ 82,984
Engineering									\$ 5,000
<b>SUBTOTALS:</b>			<b>\$ 24,090</b>			<b>\$ 12,904</b>			<b>\$ 95,984</b>

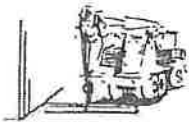
MATERIAL	\$ 24,090	<b>SUBTOTAL</b>	<b>\$ 148,660</b>
SALES TAX (9.00%)	2,168	BOND (1%)	\$ 1,487
LABOR	12,904	<b>TOTAL</b>	<b>\$ 150,147</b>
OTHER	95,984		

SUBTOTAL ON DIRECT COSTS \$ 135,146  
 OVERHEAD & PROFIT (10%) 13,515  
 SUBTOTAL \$ 148,660

PREPARED & SUBMITTED BY: Benjamin Hopper  
 TITLE/COMPANY: Project Manager/Vulcan Steel Company

GENERAL EXCLUSIONS		
Bolts	Setting of Leveling Nuts	Hollow Metal Door Frames
Loose Joist Hangers	Bolts Piercing Wood	All Calking
Rough Hardware	Costs of Inspection, Test or Prep.	Stainless Steel
Down Spouts	Pick-up Devices for Pre-Cast Concrete	Metal Studs
Field Painting	Non-Ferrous Metals or Cast-Iron	Demolition
Sash	Core Drilling as Sleeves are Standard	Based on Clear Access
Doors	Misc. Metal for Mill Work & Cabinets	Sheet Metal 10 ga & Lighter
Chain Link	Reinforcing Steel	Furring Channel
Grout	Field Welding of Reinforcing Steel	Finish Hardware

SPECIFIC EXCLUSIONS
1. 24ga drip pedge per 15 and 25/A002
2. Signage
3. Concrete
4. Based on access of min 8'-2" Tall X 9'-0" Wide
5. Direct burial columns are FOB



**Arrowhead Steel**  
 PO Box 387  
 Bloomington, CA 92316  
 Phone (909) 877-1610 Fax (909) 877-3053  
[arrowheadsteel@yahoo.com](mailto:arrowheadsteel@yahoo.com)

# QUOTE

INVOICE # 2  
 DATE: 3/8/2024

**Bill to:**  
 Vulcan Steel Company  
 PO Box 386  
 Bloomington, CA 92316  
 (909) 877-0975

PROJECT NO.: 2317  
 PROJECT NAME:  
 RFI # 0

DESCRIPTION OF CHANGE: Library Entry Canopy

ITEM DESCRIPTION	MATERIAL			LABOR			EQUIPMENT		
	QUANTITY	UNIT COST	EXTENSION	HOURS	RATE	EXTENSION	DAYS/ HRS	UNIT COST	EXTENSION
Consumables/Fuel			\$3,929						
Field Labor - Foreman				88	\$116.00	\$10,208			
Field Labor - Journeyman				190	\$106.29	\$20,196			
Field Labor - Apprentice				125	\$100.56	\$12,570			
Crane Operator				32	\$120.96	\$3,871			
Decking		\$8,500.00							
Forklift							10	\$1,098.00	\$10,980
Lift							10	\$391.00	\$3,910
Welding truck							10	\$150.00	\$1,500
Welder							10	\$225.00	\$2,250
Burning Rig							0	\$64.00	\$0
<b>SUBTOTALS:</b>		\$8,500	\$3,929	435	\$0.00	\$46,844		\$0.00	\$18,640

MATERIAL	\$12,429
SALES TAX (9.00%)	\$1,119
LABOR	\$46,844
EQUIPMENT	\$18,640
<i>Subtotal on Direct Costs</i>	<u>\$79,032</u>
OVERHEAD & PROFIT (5%)	\$3,952
<b>TOTAL</b>	<b><u>\$82,984</u></b>

PREPARED & SUBMITTED BY: Benjamin Hopper  
 TITLE/COMPANY: Project Manager/Vulcan Steel Company





1759 N. Batavia St.  
Orange, CA 92865

# Change Order Request

Date	Estimate #
11/3/2023	10993-R

Name / Address
Erickson-Hall Construction 500 Corporate Drive Escondido, Ca 92029 760-796-7700

Ship To

Rep	Project
Kelly	Rancho Starbuck

Item	Description	Qty	Cost	Total
Add	Add to Contract: Prep, Prime & Paint all Surfaces of New Canopy at Library Entry			
Labor	Painter	54	85.00	4,590.00
Material	Metal Etch	3	40.00	120.00
Material	Metal Primer 9600 Protec	5	65.00	325.00
Material	Finish 9800 Protec	10	75.00	750.00
Sundrie	Plastic, Tape & Masking		190.00	190.00
Overhead & profit	10% overhead and profit	0.1	5,975.00	597.50
Bond	Bond Cost 1%	0.01	5,975.00	65.73

Please remit to above address.	<b>Total</b>	\$6,638.23 <del>-\$6,632.25</del>
--------------------------------	--------------	--------------------------------------

Signature \_\_\_\_\_

Phone #	Fax #
7149974131	714-997-4125



MPI Miller Plumbing Inc

Job Name:	Rancho Starbucks
Change Order #	14
CO Type:	Fixed Price
Date:	1/16/2024

Total Chang Order Cost:	<b>\$4,550.68</b>
Total Days Added to Contract:	<b>1.5</b>

Description:	New drinking fountain at Building A per V2 drawings. Re-rough in waste and water and install drinking fountain. Does not include exterior surface removal, backing, grab bars or patching of any kind.
CO Approval Reference:	

Summary	
Labor	\$ 1,206.60
Materials	\$ 2,889.42
Equipment	\$ -
Subcontractors	\$ -
Misc.	\$ -
Sub Total	\$ 4,096.02
OH&P	\$409.60
Bond	\$45.06
Total	<b>\$4,550.68</b>

Change Order Details

**Labor Cost**

Title	Hours	Rate	Total	Notes
Journeyman	12	\$ 100.55	\$ 1,206.60	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
<b>Total Labor</b>	<b>12</b>		<b>\$ 1,206.60</b>	

**Material Cost**

Invoice #	Description	Total	Notes
Misc	Misc materials and piping	\$ 125.00	
1909240	Pace Supply	\$ 2,764.42	
		\$ 2,889.42	

**Equipment Cost**

	Rate	Total	Notes
		\$ -	

**Sub Cost**

Subcontractor	Total	Notes
	\$ -	

**Misc Cost**

Description	Total	Notes
	\$ -	



**PACE SUPPLY CORP**  
 3421 W SEGERSTROM AVE  
 SANTA ANA CA 92704  
 657-699-2777

Quote#	1909240
Quote Date	01/16/24
Page#	1

## QUOTATION

MPI - MILLER PLUMBING INC 949 N CATARACT AVE #L SAN DIMAS CA 91773  Ship To:	185266-00	Expiration Date 02/15/24	Requested By DAVE MILLER	FOB ORIGIN  Prepared By Mike Daher mdaher@pacesupply.com
		Online Quote 1909240	Salesperson Joe Daher jdaher@pacesupply.com	
		Job Name HAWS		

WE ARE PLEASED TO QUOTE YOU ON THE FOLLOWING MATERIAL

Ln#	Part Number	Description	Price	Qty	Unit	Extended Price
		<b>&gt;&gt;&gt; SEGMENT: HAWS - HAWS</b>				
1	<u>HAW1117L</u>	WM BI-LVL FTN L/ MTG PLATE IN/OUT 14GA ADA VR SATIN SS HAWS	1853.79	1	EA	1853.79
2	<u>HAW67004</u>	WM BI-LVL FTN UNIV MOUNTING PLATE HAWS	160.54	1	EA	160.54
3	<u>HAWBP32</u>	32 X 9 1/2 BTL FILL BACK SPLASH F/ 1920 OVER BI-LVL FTN BRUSHED SS HAWS	284.13	1	EA	284.13
4	<u>HAW1920</u>	WM BOTTLE FILLER IN/OUT VR SS HAWS	366.20	1	EA	366.20
5	<u>HAW6700</u>	WM SGL FTN UNIV MOUNTING PLATE HAWS	99.76	1	EA	99.76
						2764.42

Subtotal	2764.42
Estimated Sales Tax	
Estimated Freight	
Total	2764.42



**CHANGE ORDER  
PRICING # 8884S-4**

Est. 1957  
Lic. No. 689961

1490 N GLASSELL STREET  
ORANGE, CA 92867  
Phone: 714-633-0030 Fax: 714-633-0280

To: ERICKSON - HALL CONSTRUCTION CO.  
500 CORPORATE DRIVE,  
ESCONDIDO, CA, 92029-1517  
Phone: 760/796-7700 Fax 760/796-7750

Owner/Arch Reference #  
Brief Description Edge Metal @ Library Canopy  
Change Order Type CHANGE IN CONTRACT SCOPE  
Submitted Date 1/26/2024  
Accepted Date  
Status PENDING  
Approved CO NO

JOB: RANCHO STARBUCK INTERMEDIATE  
SCHOOL-4205

JOB NO: 8884S

Item No.	Description	Qty/Unit	Unit Cost	Amount
<i>Added edge metal at Library Bldg C canopy per V2 plans</i>				
1	SHOP Labor	3.00 hr	\$102.84	\$308.52
2	Foreman Labor	4.00 hr	\$114.17	\$456.68
3	24ga Galv Flat Sheet	1.00 shts	\$82.65	\$82.65
4	Fasteners	1.00 box	\$20.65	\$20.65
	<i>Tax</i>		10.25 %	\$10.59
	<i>C.O. Bond</i>		1.00 %	\$9.67
	<i>C.O. Overhead &amp; Profit</i>		10.00 %	\$87.91

Original Contract Sum .....	\$	\$131,300.00
Pending Change Orders .....	\$	2,649.72
Approved Change Orders to Date .....	\$	5,526.90
Contract Sum prior to this Change Order .....	\$	\$136,826.90
Contract Sum increased/(decreased) by this Change Order .....	\$	<b>\$976.67</b>
Contract Sum including this Change Order .....	\$	\$137,803.57

Approved by: \_\_\_\_\_

Submitted by: Daniel Gonzalez

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: 01/26/2024

# A GOOD SIGN & GRAPHICS CO

## COR # 3

Job Name: Rancho Starbuck IS HVAC & Fire Sys. Upgrade  
 Job Number: #23-1943

Date: January 25, 2024  
 Time Impact: 60 Days  
 Reference: Per email request by C. Mejia

**COR will only be valid for 60 days after issued date**

New					
Per email request by C. Mejia, it is desired to furnish and install 10" x 2" thick Cast Aluminum Lettering for the new library entry canopy.					
Sign Type		Sign Detail	Direct Labor		
			HOURS	Rate	Cost
Library Canopy Lettering		Design Time	8.00	\$95.00	\$760.00
		Installation	48.00	\$87.05	\$4,178.40
		Mobilization		\$200.00	\$200.00
SUBTOTALS			48		\$5,138.40
Breakdown		Sign Detail	Direct Materials		
			Qty	Rate	Cost
Library Canopy Lettering		10" x 2" thick Cast Aluminum Lettering	28	\$214.29	\$6,000.12
Library Canopy Lettering Mounting Hardware		3/8" x 16 Stainless Steel Thru-Bolt	56	\$1.30	\$72.80
		3/8" x 16 Stainless Steel Hex nuts	112	\$0.25	\$28.00
		3/8" Lock washers	112	\$0.20	\$22.40
		7/16" steel drill bits	12	\$10.00	\$120.00
SUBTOTALS			320.0		\$6,243.32
Breakdown		Sign Detail	Direct Equipment		
			Qty	Rate	Cost
Library Canopy Lettering		Scissor Lift	1.00	\$800.00	\$800.00
SUBTOTALS			1.0		\$800.00
NOTE					

*Combined Subtotal:	\$12,181.72
10% Markup:	\$1,218.17
Combined Subtotal + Markup:	\$13,399.89
Bond 1.5% (of *Subtotal):	

GRAND TOTAL: \$13,399.89



**ERICKSON - HALL**  
CONSTRUCTION CO.

**Contingency Request Proposal**

School: Rancho Starbuck Intermediate School

Project Name: Rancho Starbuck Intermediate School - HVAC + Fire Alarm  
Project No.: 4205

DSA Application No.: 03-122564

Architect: Ghataode Bannon Architects.  
Project Manager: Lowell Joint School District  
Contractor: Erickson-Hall Construction Co.

COP No.: 60  
Date: 4/24/2024  
Reference RFIs: N/A  
Reference RFP / Bulletin No.: DSA Approved Plans

**DESCRIPTION:** Per the direction of the Library Entry Canopy DSA approved plans and specifications, at the eastside of Building C, Library Entrance, a new steel canopy is to be installed. The following pricing is for setting up containment, abating and removing the existing ceramic tile and backing to create an opening for the new drink fountain at the exterior of Building A.

**Subcontractor Costs** *(used when work is subcontracted)*

Subcontractor	Description	Material	Labor	Equipment	Totals
Integrated Demolition and Remed.	Abate Existing Ceramic Tile	\$ 1,215.00	\$ 2,160.00	\$ 680.00	\$ 4,055.00
					\$ -
					\$ -
					\$ -
					\$ -
	<b>Subtotals</b>	\$ 1,215.00	\$ 2,160.00	\$ 680.00	\$ 4,055.00
	Subcontractor OH and Profit (10%)				\$405.50
	Tired Subcontractor Cost				\$0.00
	Subcontractor Profit of Tired Subcontractor (5%)				\$0.00
	Subcontractor Bond (1%)				\$0.00
	<b>Subcontractor Subtotal</b>				\$4,460.50
	Contractor OH and Profit (5%)				\$223.03
	<b>Contractor/Subcontractor Subtotal</b>				\$4,683.53
	Contractor Bond (1%)				\$46.84
	<b>Subcontractor Total + Contractor Mark-ups</b>				\$4,730.36

**Contractor Costs** *(used when work is self-performed)*

Contractor	Description	Material	Labor	Equipment	Totals
					\$ -
					\$ -
					\$ -
	<b>Subtotals</b>	\$ -	\$ -	\$ -	\$ -
	Contractor OH and Profit (10%)				\$ -
	<b>Contractor totals</b>				\$ -
	Contractor Bond (1%)				\$ -
	<b>Contractor Subtotal</b>				\$ -

**TOTAL COSTS FOR COP No. 60 \$ 4,730**

**Contractor Time**

**TOTAL TIME FOR COP No. 60 0 days**



# **INTEGRATED DEMOLITION AND REMEDIATION INC.**

Single Source Turnkey Contractor for all Demolition and Remediation Services

CSLB LICENSE #1003504

DIR # 1000023608

## **CHANGE ORDER REQUEST #18**

### **Rancho Starbuck Intermediate School: Demolition & Abatement**

Date: March 28, 2024

Mike Arnold, Project Manager  
Erickson-Hall Construction Co.

This Change Order Request (COR) contains a quotation for additional demolition scope of work.

#### **Scope of work:**

Removal of ceramic and stucco for new drinking fountain

Total Cost towards the CO with markup (10%) = \$4,460.50

#### **Proposal Excludes Shoring**

Please issue a change order at your earliest convenience to avoid any delays on the project.

Regards,

Jay Gandhi  
Senior Project Manager

4938 E LA PALMA AVENUE • ANAHEIM, CA 92807

PHONE: 714-340-3333 • FAX: 714-709-4729



**T&M : CO#18\_Additional Scope Per Bulletin # 126 & RFI #134**

Date	Labor Hours	Roll of G20 Poly	Hepa Vacuums	Airless Sprayer	Clear Bags
Tuesday, March 26, 2024	24	1	1	1	25
<b>Total Hours</b>	24	1	4	4	25
<b>Unit Cost</b>	\$ 90.00	\$ 90.00	\$ 125.00	\$ 45.00	\$ 45.00
<b>Cost without markup</b>	\$ 2,160.00	\$ 90.00	\$ 500.00	\$ 180.00	\$ 1,125.00
<b>Total Cost without markup</b>	\$ 4,055.00				
<b>Total Cost with markup (10.00 %)</b>	\$ 4,460.50				



Bill # 126 RFI # 134

TIME AND MATERIAL FORM

Date: 3/26/24 Day: Tuesday

Project Title: Rancho Starbucks  
Address: 16430 Woodbrier Dr  
Foreman: Gustavo  
Contact No: (312) 309-483 Plan Sheet: \_\_\_\_\_ RFI No: \_\_\_\_\_

IDR Project No: 2023-094AD COR No: \_\_\_\_\_  
Contractor/Client: ERICKSON HILL  
Address: \_\_\_\_\_  
Contact: \_\_\_\_\_ Phone: \_\_\_\_\_

Description of Work Performed: We have setup mini containment at Buildg A to Remove Ceramic & Stucco for the New Drinking Fountain all debris was picked up in bags

LABOR

S - Supervisor A - Abatement L - Laborer O - Operator

EMPLOYEE #	NAME	CLASS (S,A,L,O)	Time IN	Time OUT	Time IN	Time OUT	Hour ST	Hour YAT
1	065 Gustavo Perez	S	6:30	10:30	1:30	3:00	8	
2	225 Elizabeth Boyzo	L	6:30	10:30	1:30	3:00	8	
3	1556 Donaldo Dolores	L	6:30	10:30	1:30	3:00	8	
4	Superintendent signature only verifies materials and hours worked. Verification does not constitute approval of extra work. Project Manager approval and change order required for payment of extra work.							
5	verified by: <u>[Signature]</u> Date: <u>0-26-24</u>							

PERDIEM

INITIAL	AMOUNT
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	

MATERIAL

DESCRIPTION	UNIT	QUANTITY
1 Roll G20 POLY		
25 bags		
3 Dr Cotton Gloves		
2 Dr 1/2 filter		

WASTE	QUANTITY	UNIT	TOTAL
TRASH			
ASBESTOS			
LEAD			
PCB			
LIGHT TUBES			
TRASH			
CONCRETE			
BRICK			

EQUIPMENT

Also Removal small windows A Buildg C storage room 166

DESCRIPTION	UCM	QUANTITY
airless sprayer	4hrs	1
Heta VACUUMS	4hrs	1
grinder & diamond blade	4hrs	1

VENDORS

DESCRIPTION	UCM	QUANTITY

TIME & MATERIAL FORMS MUST BE COMPLETED AND SIGNED AT THE END OF EACH SHIFT. BY SIGNING ABOVE YOU ARE AUTHORIZING AND/OR APPROVING THE LABOR, EQUIPMENT AND MATERIALS USED ON-SITE FOR TODAY'S SHIFT.

Gustavo  
IDR FOREMAN

[Signature]  
SIGNATURE

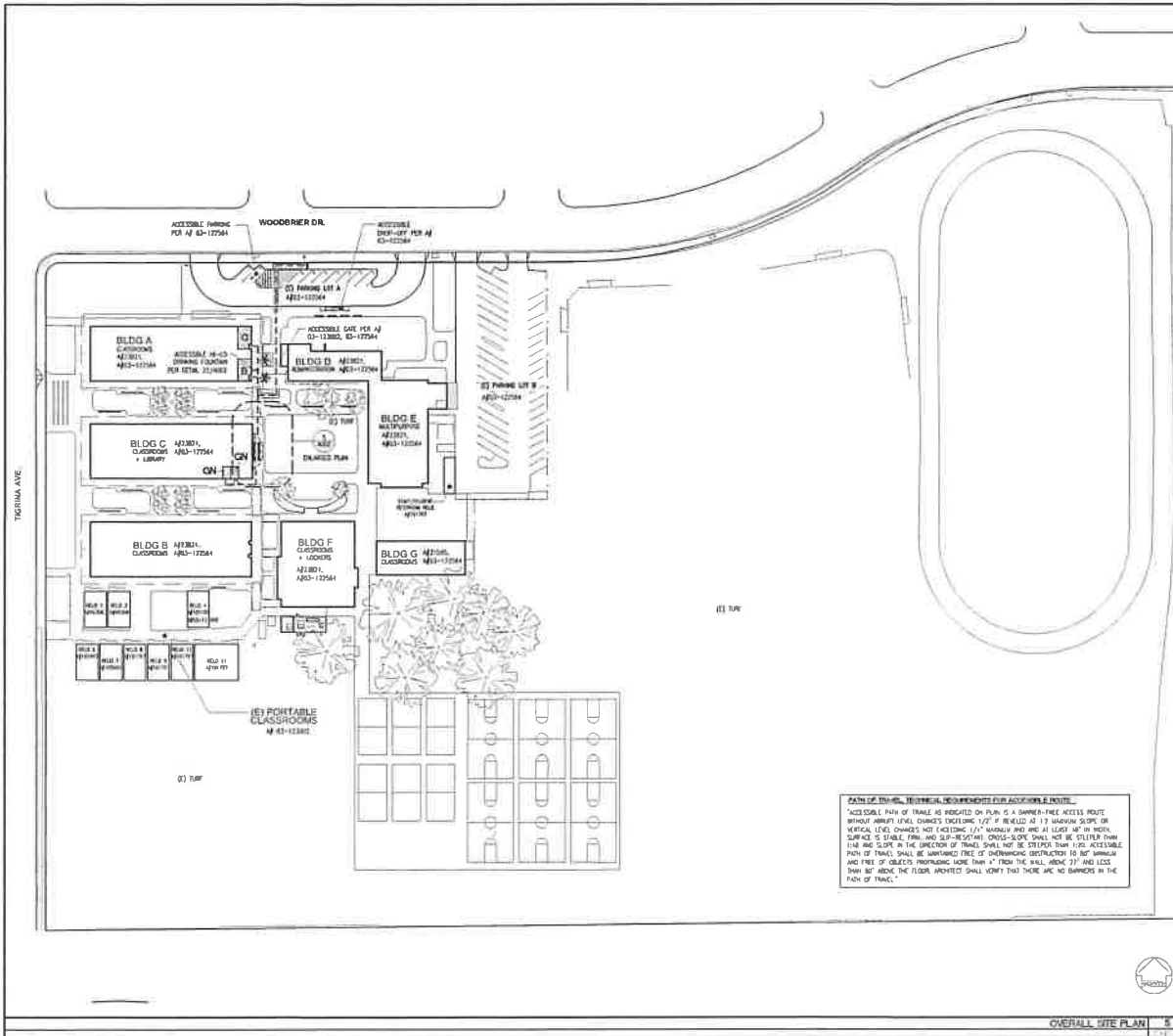
CHOC  
CONTRACTOR

[Signature]  
SIGNATURE

OWNER'S REP/INSPECTOR

SIGNATURE





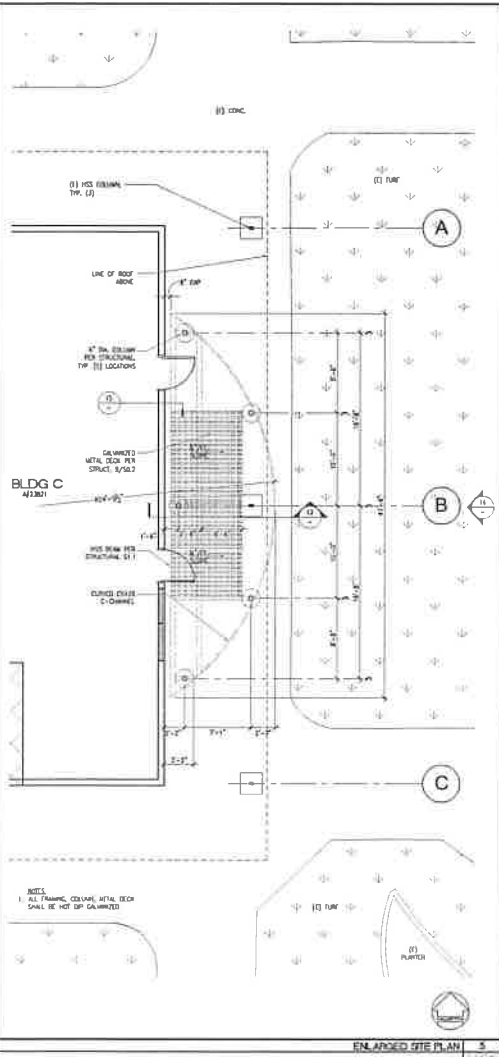
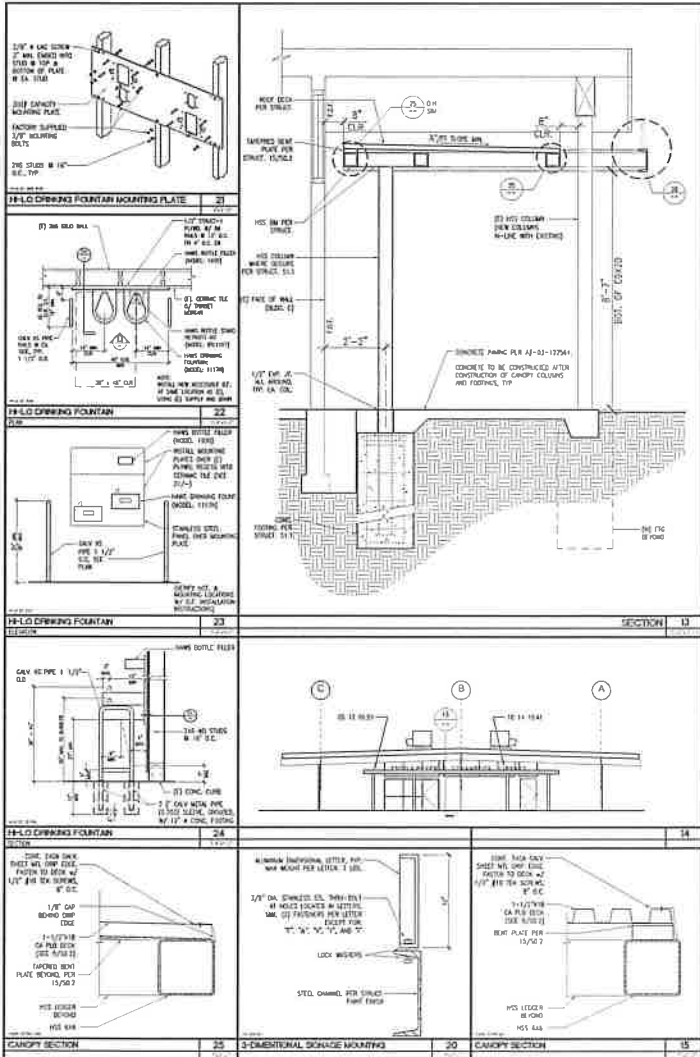
CODE ANALYSIS	
PERMITS	4-2
CONSTRUCTION TIME	1000 HRS. (1000 HRS. MINIMUM)
ACTUAL BUILDING AREA	443 SF
RETIRED BUILDING AREA	0.00 SF
	(0.00 SF + 443 SF = 443 SF)

SITE NOTES	
1.	FOR TYPICAL DETAILS AND APPROXIMATIONS, SEE SHEET 001.
2.	PROTECT AND MAINTAIN FROM DAMAGE ALL EXISTING CONSTRUCTION AND UTILITIES IN PLACE.
3.	PROTECT EXISTING UTILITIES FROM DAMAGE BY THE LOCATION OF THIS CANOPY. WHERE UTILITIES ARE LOCATED BY THE EXISTING RECORD DRAWING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF THESE UTILITIES BY EXCAVATION PRIOR TO THE LOCATION OF THE CANOPY, ALL CONTRACTS, AND RETURN TO ORIGINAL CONDITION.
4.	CONTRACTOR SHALL MAINTAIN EXISTING PLUMBING WITHIN THE JOB SITE PRIOR TO THE LOCATION OF THE CANOPY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THESE UTILITIES BY EXCAVATION PRIOR TO THE LOCATION OF THE CANOPY, ALL CONTRACTS, AND RETURN TO ORIGINAL CONDITION.
5.	CONTRACTOR SHALL MAINTAIN EXISTING PLUMBING WITHIN THE JOB SITE PRIOR TO THE LOCATION OF THE CANOPY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THESE UTILITIES BY EXCAVATION PRIOR TO THE LOCATION OF THE CANOPY, ALL CONTRACTS, AND RETURN TO ORIGINAL CONDITION.
6.	CONTRACTOR SHALL MAINTAIN EXISTING PLUMBING WITHIN THE JOB SITE PRIOR TO THE LOCATION OF THE CANOPY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THESE UTILITIES BY EXCAVATION PRIOR TO THE LOCATION OF THE CANOPY, ALL CONTRACTS, AND RETURN TO ORIGINAL CONDITION.

SITE PLAN LEGEND	
[Symbol]	(1) EXISTING UTILITY LINE
[Symbol]	(2) EXISTING UTILITY LINE
[Symbol]	(3) EXISTING UTILITY LINE
[Symbol]	(4) EXISTING UTILITY LINE
[Symbol]	(5) EXISTING UTILITY LINE
[Symbol]	(6) EXISTING UTILITY LINE
[Symbol]	(7) EXISTING UTILITY LINE
[Symbol]	(8) EXISTING UTILITY LINE
[Symbol]	(9) EXISTING UTILITY LINE
[Symbol]	(10) EXISTING UTILITY LINE
[Symbol]	(11) EXISTING UTILITY LINE
[Symbol]	(12) EXISTING UTILITY LINE
[Symbol]	(13) EXISTING UTILITY LINE
[Symbol]	(14) EXISTING UTILITY LINE
[Symbol]	(15) EXISTING UTILITY LINE
[Symbol]	(16) EXISTING UTILITY LINE
[Symbol]	(17) EXISTING UTILITY LINE
[Symbol]	(18) EXISTING UTILITY LINE
[Symbol]	(19) EXISTING UTILITY LINE
[Symbol]	(20) EXISTING UTILITY LINE
[Symbol]	(21) EXISTING UTILITY LINE
[Symbol]	(22) EXISTING UTILITY LINE
[Symbol]	(23) EXISTING UTILITY LINE
[Symbol]	(24) EXISTING UTILITY LINE
[Symbol]	(25) EXISTING UTILITY LINE
[Symbol]	(26) EXISTING UTILITY LINE
[Symbol]	(27) EXISTING UTILITY LINE
[Symbol]	(28) EXISTING UTILITY LINE
[Symbol]	(29) EXISTING UTILITY LINE
[Symbol]	(30) EXISTING UTILITY LINE
[Symbol]	(31) EXISTING UTILITY LINE
[Symbol]	(32) EXISTING UTILITY LINE
[Symbol]	(33) EXISTING UTILITY LINE
[Symbol]	(34) EXISTING UTILITY LINE
[Symbol]	(35) EXISTING UTILITY LINE
[Symbol]	(36) EXISTING UTILITY LINE
[Symbol]	(37) EXISTING UTILITY LINE
[Symbol]	(38) EXISTING UTILITY LINE
[Symbol]	(39) EXISTING UTILITY LINE
[Symbol]	(40) EXISTING UTILITY LINE
[Symbol]	(41) EXISTING UTILITY LINE
[Symbol]	(42) EXISTING UTILITY LINE
[Symbol]	(43) EXISTING UTILITY LINE
[Symbol]	(44) EXISTING UTILITY LINE
[Symbol]	(45) EXISTING UTILITY LINE
[Symbol]	(46) EXISTING UTILITY LINE
[Symbol]	(47) EXISTING UTILITY LINE
[Symbol]	(48) EXISTING UTILITY LINE
[Symbol]	(49) EXISTING UTILITY LINE
[Symbol]	(50) EXISTING UTILITY LINE
[Symbol]	(51) EXISTING UTILITY LINE
[Symbol]	(52) EXISTING UTILITY LINE
[Symbol]	(53) EXISTING UTILITY LINE
[Symbol]	(54) EXISTING UTILITY LINE
[Symbol]	(55) EXISTING UTILITY LINE
[Symbol]	(56) EXISTING UTILITY LINE
[Symbol]	(57) EXISTING UTILITY LINE
[Symbol]	(58) EXISTING UTILITY LINE
[Symbol]	(59) EXISTING UTILITY LINE
[Symbol]	(60) EXISTING UTILITY LINE
[Symbol]	(61) EXISTING UTILITY LINE
[Symbol]	(62) EXISTING UTILITY LINE
[Symbol]	(63) EXISTING UTILITY LINE
[Symbol]	(64) EXISTING UTILITY LINE
[Symbol]	(65) EXISTING UTILITY LINE
[Symbol]	(66) EXISTING UTILITY LINE
[Symbol]	(67) EXISTING UTILITY LINE
[Symbol]	(68) EXISTING UTILITY LINE
[Symbol]	(69) EXISTING UTILITY LINE
[Symbol]	(70) EXISTING UTILITY LINE
[Symbol]	(71) EXISTING UTILITY LINE
[Symbol]	(72) EXISTING UTILITY LINE
[Symbol]	(73) EXISTING UTILITY LINE
[Symbol]	(74) EXISTING UTILITY LINE
[Symbol]	(75) EXISTING UTILITY LINE
[Symbol]	(76) EXISTING UTILITY LINE
[Symbol]	(77) EXISTING UTILITY LINE
[Symbol]	(78) EXISTING UTILITY LINE
[Symbol]	(79) EXISTING UTILITY LINE
[Symbol]	(80) EXISTING UTILITY LINE
[Symbol]	(81) EXISTING UTILITY LINE
[Symbol]	(82) EXISTING UTILITY LINE
[Symbol]	(83) EXISTING UTILITY LINE
[Symbol]	(84) EXISTING UTILITY LINE
[Symbol]	(85) EXISTING UTILITY LINE
[Symbol]	(86) EXISTING UTILITY LINE
[Symbol]	(87) EXISTING UTILITY LINE
[Symbol]	(88) EXISTING UTILITY LINE
[Symbol]	(89) EXISTING UTILITY LINE
[Symbol]	(90) EXISTING UTILITY LINE
[Symbol]	(91) EXISTING UTILITY LINE
[Symbol]	(92) EXISTING UTILITY LINE
[Symbol]	(93) EXISTING UTILITY LINE
[Symbol]	(94) EXISTING UTILITY LINE
[Symbol]	(95) EXISTING UTILITY LINE
[Symbol]	(96) EXISTING UTILITY LINE
[Symbol]	(97) EXISTING UTILITY LINE
[Symbol]	(98) EXISTING UTILITY LINE
[Symbol]	(99) EXISTING UTILITY LINE
[Symbol]	(100) EXISTING UTILITY LINE



**REFERENCE KEYNOTES**

1. FOR FINAL DETAILS AND DIMENSIONS, SEE SHEET 02.

2. FINISHES AND SCHEDULES FROM CHANGES ALL EXISTING CONSTRUCTION AND FINISHES TO REMAIN.

3. FINISHES SHOWN IN THIS PLAN ARE THE FINISHES TO BE USED UNLESS OTHERWISE NOTED. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

4. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

5. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

6. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

7. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

8. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

9. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

10. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

**SITE NOTES**

1. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

2. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

3. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

4. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

5. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

6. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

7. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

8. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

9. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

10. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

**SITE PLAN LEGEND**

(1) BUILDING NOT IN SCOPE

(2) EXISTING CONSTRUCTION TO REMAIN

(3) EXISTING CONSTRUCTION TO BE DEMOLISHED

(4) EXISTING CONSTRUCTION TO BE RECONSTRUCTED

(5) EXISTING CONSTRUCTION TO BE RECONSTRUCTED WITH CHANGES

(6) EXISTING CONSTRUCTION TO BE RECONSTRUCTED WITH CHANGES AND FINISHES TO BE USED FOR CONSTRUCTION

(7) EXISTING CONSTRUCTION TO BE RECONSTRUCTED WITH CHANGES AND FINISHES TO BE USED FOR CONSTRUCTION AND FINISHES TO BE USED FOR CONSTRUCTION

(8) EXISTING CONSTRUCTION TO BE RECONSTRUCTED WITH CHANGES AND FINISHES TO BE USED FOR CONSTRUCTION AND FINISHES TO BE USED FOR CONSTRUCTION

(9) EXISTING CONSTRUCTION TO BE RECONSTRUCTED WITH CHANGES AND FINISHES TO BE USED FOR CONSTRUCTION AND FINISHES TO BE USED FOR CONSTRUCTION

(10) EXISTING CONSTRUCTION TO BE RECONSTRUCTED WITH CHANGES AND FINISHES TO BE USED FOR CONSTRUCTION AND FINISHES TO BE USED FOR CONSTRUCTION

**NOTES**

1. ALL FINISHES, COLORS, METAL FINISHES SHALL BE NOTED ON CHANGES.

2. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

3. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

4. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

5. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

6. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

7. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

8. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

9. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

10. FINISHES TO BE USED FOR CONSTRUCTION ARE TO BE USED UNLESS OTHERWISE NOTED.

**ARCHITECT**

**PROJECT**

**DATE**

**SCALE**

**PROJECT NO.**

**CLIENT**

**LOCATION**

**DESCRIPTION**

**ENLARGED SITE PLAN, SECTION + DETAILS**

**A002**



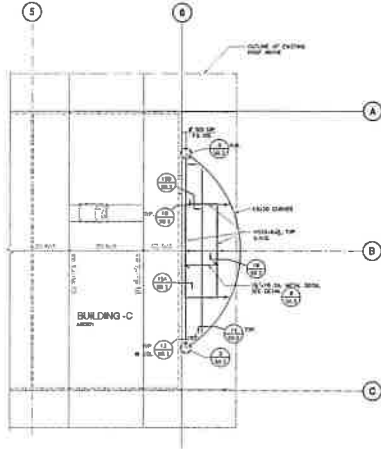
	17 HSS COL. TO HSS BM. CONN.	13 ROOF DECK WELDING & SECT. PROP.	9	S	1
	18	14 HSS BM. TO HSS BM. CONN.	10	6 HSS BM. TO STL. CHANNEL CONNECTION	2
	19 BEAM SLOPE TRANSITION PLATES	15 HSS BM. TO STL. CHANNEL CONNECTION	11	7 HSS BM. TO STL. CHANNEL CONNECTION	3
	20 TYPICAL DECK EDGE	12 COLUMN CAISSON	8		4

**DETAILS**

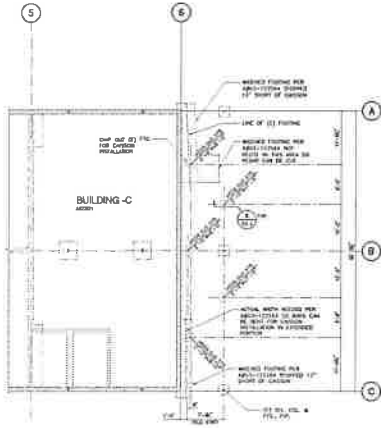
RANCHO STARBUCK INTERMEDIATE SCHOOL  
LIBRARY ENTRY CANOPY  
14450 REDWOOD BLVD., HAYWARD, CA 94544  
LEVEL 01 - ENTRY CANOPY

**S0.2**

REV: \_\_\_\_\_  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHK: \_\_\_\_\_



CANOPY ROOF FRAMING PLAN - BLDG. C  
10/14/14



CANOPY FOUNDATION PLAN - BLDG. C  
10/14/14

**PLAN NOTES**

1. SEE SHEETS S11 THRU S13 FOR GENERAL NOTES AND SYMBOLS.
2. SEE ARCHITECTURAL DRAWING FOR T&E AND COORDINATE OF CORNER.
3. FOR ALUMINUM, SEE FOUNDATION PLAN, SEE SHEET S10A1.

**LEGEND**

- INDICATES VIEW OF METAL DECK. SEE SHEETS S11 THRU S13 FOR DECK RELATIONS.
- INDICATES EXIST. COLUMN SIZE.
- INDICATES DEPTH OF COLUMN.
- INDICATES DIAMETER OF COLUMN.

**KEY MAP**



**SHAW-WALKER ARCHITECTS**  
Architects & Planners • 10000 Wilshire Blvd., Suite 1000 • Los Angeles, CA 90024  
Phone: 310.277.1100 • Fax: 310.277.1101  
www.shaw-walker.com



RANCHO STARBUCK INTERMEDIATE SCHOOL  
LIBRARY ENTRY CANOPY  
1445 WOODBURN BL., WOODBURN, CA 94094  
TEL: 925.236.0000 FAX: 925.236.0001  
**BUILDING C**  
CANOPY FOUNDATION & ROOF FRAMING PLAN

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	10/14/14
2	REVISED FOR COMMENTS	10/14/14
3	REVISED FOR COMMENTS	10/14/14
4	REVISED FOR COMMENTS	10/14/14
5	REVISED FOR COMMENTS	10/14/14
6	REVISED FOR COMMENTS	10/14/14
7	REVISED FOR COMMENTS	10/14/14
8	REVISED FOR COMMENTS	10/14/14
9	REVISED FOR COMMENTS	10/14/14
10	REVISED FOR COMMENTS	10/14/14



# PROJECT MANUAL

LOWELL JOINT SCHOOL DISTRICT  
RANCHO STARBUCK  
INTERMEDIATE SCHOOL  
LIBRARY ENTRY CANOPY

16430 Woodbrier Dr.  
Whittier, CA 90604

OCTOBER 30, 2023

GHATAODE BANNON ARCHITECTS, LLP  
760 W. 16<sup>th</sup> Street – Unit B  
Costa Mesa, CA 92627  
P: (714) 665-8030  
F: (714) 665-8029

*THIS PAGE INTENTIONALLY LEFT BLANK.*

PROJECT NO: 2133.2  
OCTOBER 30, 2023

RANCHO STARBUCK INTERMEDIATE SCHOOL  
LIBRARY ENTRY CANOPY  
LOWELL JOINT SCHOOL DISTRICT

DOCUMENT 00 01 07 - SEALS PAGE

ARCHITECT

Ghataode Bannon Architects, LLP  
760 W. 16th Street, Unit B  
Costa Mesa, CA 92627  
P: (714) 665-8030  
F: (714) 665-8029



License: Sushila Ghataode  
C-28923 Exp. November 30, 2025

STRUCTURAL ENGINEER

RTM Engineering Consultants  
9931 Muirlands Boulevard  
Irvine, CA 92618  
P: (949) 462-3200



License: Josh Randall, SE  
S-4506 Exp. June 30, 2025

END OF DOCUMENT 00 01 07

*THIS PAGE INTENTIOANLLY LEFT BLANK.*

DOCUMENT 00 01 10 - TABLE OF CONTENTS

NUMBER      TITLE

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

00 01 01      PROJECT TITLE PAGE  
00 01 07      SEALS PAGE  
00 01 10      TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS

01 04 50      CUTTING AND PATCHING  
01 10 00      CONSTRUCTION DOCUMENTS  
01 40 50      TESTING AND INSPECTION  
01 71 23      FIELD ENGINEERING

DIVISION 02 - EXISTING CONDITIONS

02 07 00      SELECTIVE DEMOLITION

DIVISION 03 - CONCRETE

03 10 00      CONCRETE FORMWORK  
03 20 00      CONCRETE REINFORCEMENT  
03 30 00      CAST-IN-PLACE CONCRETE

DIVISION 04 - MASONRY

NOT USED

DIVISION 05 - METALS

05 12 00      STRUCTURAL STEEL  
05 30 00      METAL DECKING  
05 50 00      METAL FABRICATIONS

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

NOT USED

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 62 00 SHEET METAL FLASHING AND TRIM

DIVISION 08 - OPENINGS

NOT USED

DIVISION 09 – FINISHES

09 91 13 EXTERIOR PAINTING

DIVISION 10 – SPECIALTIES

10 14 19 DIMENSIONAL LETTER SIGNAGE

10 71 14 EXTERIOR & INTERIOR ROLLER WINDOW SHADE

DIVISION 11 – EQUIPMENT

NOT USED

DIVISION 12 – FURNISHINGS

NOT USED

DIVISION 13 - SPECIAL CONSTRUCTION

NOT USED

PROJECT NO: 2133.2  
OCTOBER 30, 2023

RANCHO STARBUCK INTERMEDIATE SCHOOL  
LIBRARY ENTRY CANOPY  
LOWELL JOINT SCHOOL DISTRICT

DIVISION 14 - CONVEYING EQUIPMENT

NOT USED

DIVISION 15 - PLUMBING

NOT USED

DIVISION 16 - RESERVED

NOT USED

DIVISION 17 - RESERVED

NOT USED

DIVISION 18 - RESERVED

NOT USED

DIVISION 19 - RESERVED

NOT USED

DIVISION 20 - RESERVED

NOT USED

DIVISION 21 - FIRE SUPPRESSION

NOT USED

DIVISION 22 – PLUMBING

NOT USED

DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING

NOT USED

DIVISION 24 - RESERVED

NOT USED

DIVISION 25 - INTEGRATED AUTOMATION

NOT USED

DIVISION 26 – ELECTRICAL

NOT USED

DIVISION 27 – COMMUNICATIONS

NOT USED

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

NOT USED

DIVISION 31 – EARTHWORK

31 20 00      EARTHWORK

DIVISION 32 – EXTERIOR IMPROVEMENTS



PROJECT NO: 2133.2  
OCTOBER 30, 2023

RANCHO STARBUCK INTERMEDIATE SCHOOL  
LIBRARY ENTRY CANOPY  
LOWELL JOINT SCHOOL DISTRICT

NOT USED

DIVISION 33 – UTILITIES

NOT USED

END OF DOCUMENT 00 01 10

*THIS PAGE INTENTIONALLY LEFT BLANK.*

SECTION 01 04 50 - CUTTING AND PATCHING

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. This Section specifies administrative and procedural requirements for cutting and patching.

PART 2 - PRODUCTS (Not applicable)

PART 3 - EXECUTION

3.1 SUBMITTALS

- A. The word "cutting" as used in the Contract Documents includes, but is not limited to, cutting, drilling, chopping, and other similar operations and the word "patching" includes, but is not limited to, patching, rebuilding, reinforcing, repairing, refurbishing, restoring, replacing, or other similar operations.
- B. Cutting and Patching Proposal: Contractor shall submit a proposal describing procedures well in advance of the time cutting and patching will be performed if the Contract Documents requires approval of these procedures before proceeding. Include the following information, as applicable, in the proposal:
1. Describe the extent of cutting and patching required. Denote how it will be performed and indicate why it cannot be avoided.
  2. Describe anticipated results in terms of changes to existing construction. Include changes to structural elements and operating components as well as changes in the building's appearance or other significant visual elements.
  3. List products to be used and firms or entities that will perform this Work.
  4. Indicate dates when cutting and patching will be performed.
  5. Utilities: List utilities that cutting and patching operations will disturb or affect. List utilities to be relocated and those that will be temporarily out-of-service. Indicate how long service will be disrupted.
  6. Where cutting and patching involves adding reinforcement to structural elements, submit details and engineering calculations showing integration of reinforcement with the original structure.
  7. Review by Architect and/or DSA prior to proceeding with cutting and patching does not waive Architect right to later require complete removal and replacement of defective Work.

3.2 QUALITY ASSURANCE

- A. Requirements for structural Work: Do not cut and patch structural elements in a manner that would change their load-carrying capacity or load-deflection ratio.
1. Obtain approval from Owner and/or Architect and the Division of the State Architect of the cutting and patching proposal before cutting and patching the following structural elements unless specifically detailed on the approved plans:
    - a. Foundation construction

- b. Bearing and retaining walls
  - c. Structural concrete
  - d. Structural steel
  - e. Lintels
  - f. Timber and primary wood framing
  - g. Structural decking
  - h. Stair systems
  - i. Miscellaneous structural metals
  - j. Exterior curtain-wall construction
  - k. Equipment supports
  - l. Piping, ductwork, vessels, and equipment
- B. Operational Limitations: Do not cut and patch operating elements or related components in a manner that would result in reducing their capacity to perform as intended. Do not cut and patch operating elements or related components in a manner that would result in increased maintenance or decreased operational life or safety.
- 1. Obtain review of the cutting and patching proposal before cutting and patching the following operating elements or safety related systems:
    - a. Primary operational systems and equipment
    - b. Air or smoke barriers
    - c. Water, moisture, or vapor barriers
    - d. Membranes and flashings
    - e. Fire protection systems
    - f. Noise and vibration control elements and systems
    - g. Control systems
    - h. Communication and/or data systems
    - i. Conveying systems
    - j. Electrical wiring systems
- C. Visual Requirements: Do not cut and patch construction exposed on the exterior or in occupied spaces in a manner that would, in the opinion of Architect, reduce the building's aesthetic qualities. Do not cut and patch construction in a manner that would result in visual evidence of cutting and patching. Remove and replace Work cut and patched in a visually unsatisfactory manner.
- 1. If possible, retain the original installer or fabricator to cut and patch the exposed Work listed below. If it is impossible to engage the original installer or fabricator, engage another recognized experienced and specialized firm.
    - a. Acoustical ceilings
    - b. Acoustical panels
    - c. HVAC enclosures, cabinets, or covers
    - d. Gypsum board

### 3.3 WARRANTY

- A. Existing Warranties: Replace, patch, and repair material and surfaces cut or damaged by methods and with materials in such a manner as not to void any warranties required or existing.

### 3.4 INSPECTION

## CUTTING AND PATCHING

- A. Examine surfaces to be cut and patched and conditions under which cutting and patching is to be performed before cutting. If unsafe or unsatisfactory conditions are encountered, take corrective action before proceeding.
  - 1. Before proceeding, meet at the Project site with parties involved in cutting and patching, including mechanical and electrical trades. Review areas of potential interference and conflict. Coordinate procedures and resolve potential conflicts before proceeding.

### 3.5 PREPARATION

- A. Temporary support: Provide adequate temporary support of existing improvements or Work to be cut.
- B. Protection: Protect existing improvements and Work during cutting and patching to prevent damage. Provide protection from adverse weather conditions for portions of existing improvements or Work that might be exposed during cutting and patching operations.
- C. Avoid interference with operation of adjoining areas or interruption of free passage to adjoining areas.

### 3.6 PERFORMANCE

- A. General: Employ skilled workmen to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time and complete without delay. Carefully remove existing Work to be salvaged and/or reinstalled. Protect and store for reuse into the Work. Verify compatibility and suitability of existing substrates before starting the Work.
- B. Cutting: Cut existing construction using methods least likely to damage elements retained or adjoining Work. Where possible, review proposed procedures with the original installer; comply with the original installer's recommendations.
  - 1. In general, where cutting, provide hand or small power tools designed for sawing or grinding, not hammering and chopping. Cut holes and slots as small as possible, neatly to size required, and with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use.
  - 2. To avoid marring existing finished surfaces, cut or drill from the exposed or finished side into concealed surfaces.
  - 3. Cut through concrete and masonry using a cutting machine, such as a carborundum saw or a diamond-core drill. Saw cut reinforcing bars and paint ends with bituminous paint except where bonded into new concrete or masonry. Cut and remove concrete paving from control joint to control joint.
  - 4. Comply with requirements of applicable Division 2 Sections where cutting and patching requires excavating, backfill, or re-compaction.
  - 5. Sheet Metal: Remove back to joint, lap, or connection. Secure loose or unfastened ends or edges and seal watertight.
  - 6. Plaster: Cut back to sound plaster on straight lines, and back bevel edges of remaining plaster. Trim existing lath and prepare for new lath.
- C. Patching: Patch with durable seams that are as invisible as possible. Comply with required tolerances.
  - 1. Where feasible, inspect and test patched areas to demonstrate integrity of the installation. Verify conditions of existing substrates prior to executing Work.

2. Restore exposed finishes of patched areas and extend finish restoration into retaining adjoining construction in a manner that will eliminate all evidence of patching and refinishing.
3. Concrete: Maintain cut edges in a moist condition for twenty four (24) hours prior to the placement of new concrete. In lieu of this an epoxy adhesive may be provided. Finish placed concrete to match existing unless noted otherwise. Concrete shall provide a compressive strength 3,000 psi where installed to repair and/or match existing improvements, unless noted otherwise.
4. Metal Fabrications: Items to remain exposed shall have their edges cut and ground smooth and rounded.
5. Lath and Plaster: Install new lath materials to match existing and fasten to supports at 6" centers. Provide a 6" lap where new lath to adjoins existing lath. Fasten new lath as required for new Work. Restore paper backings as required. Apply a bonding agent on cut edges of existing plaster. Apply three coat plaster of the type, thickness, finish, texture, and color to match existing.
6. Gypsum Wallboard: Fasten cut edges of wallboard. Install patches with at least two opposite edges centered on supports and secure at 6" centers. Tape and finish joints and fastener heads. Patching shall be non-apparent when painted and/or finished.
7. Painting: Prepare areas to be patched, patch and paint as specified under related sections of the Contract Documents.

### 3.7 CLEANING

- A. Clean areas and spaces where cutting and patching are performed. Completely remove paint, mortar, oils, putty, and similar items. Thoroughly clean piping, conduit, and similar features before applying paint or other finishing materials. Restore damaged coverings to their original condition.

END OF SECTION 01 04 50

SECTION 01 10 00 - CONSTRUCTION DOCUMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. The General Conditions and Division 1 are a part of this Section and the Contract for this Work and apply to this Section as if repeated fully herein.
- B. The Construction Documents include the Drawings and the Technical Specifications (including addenda, change orders, and other modifications), which are part of the Project Manual. Together with the other documents contained in the Project Manual they comprise the Contract Documents as described in the General Conditions. The Construction Documents describe the form and extent as well as the materials, products and equipment which are to be incorporated into the Work.

1.2 JURISDICTION

- A. No trade jurisdictional allocation of this work is intended by the subdivision of the Construction Documents. It shall be the Contractor's sole responsibility to subdivide the Work in the manner he deems necessary. In that regard, it shall be the Contractor's responsibility to insure that all apportioned work be coordinated so as to provide complete working systems where such systems are composed of two or more components of work.

1.3 COMPLIMENTARY

- A. The Drawings and Technical Specifications are complimentary and what is called for by one is called for by all. Generally, the Drawings show the composition of the various components and the Technical Specifications describe the nature and methods of incorporation of the various components. All aspects of the construction are not necessarily identified in both the Drawings and Technical Specifications. However, what is required by one is required by both. In cases of conflicting information, the Contractor is to provide the more costly option. In cases of conflicting information of equal value, Technical Specifications supersede the Drawings, Details supersede Notes and performance requirements supersede product model specifications. All cases of conflicting information shall be brought to the attention of the Architect.

1.4 USE OF MATERIALS, PRODUCTS AND EQUIPMENT

- A. It is intended that all materials, products and equipment be used in the manner intended by the manufacturer. In the absence of instructions to be contrary, and where readily identifiable, the manufacturer's or his trade associations specifications and/or directions are hereby incorporated by reference. In the absence of specific manufacturer's instructions the trade associations general specifications or standards shall apply including any and all ASTM or ANSI performance and installation standards for the material, product or equipment.

1.5 INTENT OF THE DOCUMENTS

- A. It is the intent of these Construction Documents to include all items and components for the proper execution of the Work, and the provisions of a complete and functional facility. In that regard all appurtenant and accessory items and components required for construction of complete and functional systems within the construction shall be provided whether specifically identified in these Construction Documents or not.

1.6 KEYNOTING

- A. A keynoting system is used on the drawings for material references and notes. Refer to the Keynote Legend on the drawing for the information which relates to each keynote symbol on the respective drawing. Where provided within the drawings, keynotes reference specification sections by means of a five-digit number identifying the section where a more complete description of the item will be found. The letter suffix of the keynote is a sequential differentiation and does not relate to any corresponding reference letter in the specification. Keynotes do not describe construction means, methods, techniques, sequences, or procedures. No trade jurisdictional allocation of this work is intended by the subdivision of these keynotes. It shall be the Contractor's sole responsibility to subdivide the work in the manner he deems necessary.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION

3.1 PERFORMANCE BY THE CONTRACTOR

- A. Performance by the Contractor shall be required only to the extent consistent with the Construction Documents and reasonably inferable from them as being necessary to produce the intended results.
- B. "Reasonably inferable" is defined as a degree of interpretation of the documents which will provide, at the Contractor's expense, complete working systems within the parameters of the following examples, but not limited to these examples:
1. Where light fixtures or electrical appliances and equipment are indicated, it is reasonably inferable that power and circuiting be provided.
  2. Where plumbing fixtures are indicated, it is reasonably inferable that waste and vent be provided and supply and or return lines.
  3. Where HVAC equipment is indicated, it is reasonably inferable that structural support, power and condensate piping be provided.
  4. Where casework is indicated, it is reasonably inferable that anchorage or support be provided.
  5. Where waterproofing systems are indicated, it is reasonably inferable that bond breakers, protective boards, backer rods, sealants and flashing be provided.
  6. Where items of work are indicated which are not prefinished it is reasonably inferable that shop or field finish is required. Finish shall be to the standard of quality specified for similar materials.
- C. In providing complete working systems, in the absence of complete information, the Contractor shall be required to provide components to a standard of quality consistent with similar work specified. In the



PROJECT NO: 2133.2  
OCTOBER 30, 2023

RANCHO STARBUCK INTERMEDIATE SCHOOL  
LIBRARY ENTRY CANOPY  
LOWELL JOINT SCHOOL DISTRICT

absence of such standard, he shall be entitled to provide such items at the lease cost to him consistent with industry standards.

END OF SECTION 01 10 00

*THIS PAGE INTENTIONALLY LEFT BLANK.*

SECTION 01 40 50 - TESTING AND INSPECTION

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Testing and inspection services to meet requirements of the California Building Code (CBC), Title 24, Parts 1 and 2, as indicated on the Drawings.
- C. Tests of materials are required by a DSA certified testing AGENCY as set forth in Section 4-335 of the California Building Standards Administrative Code.

1.02 RELATED SECTIONS

Provisions of the General Conditions, Supplemental Conditions and Division 01 apply to this Specification. Specifications that are referenced or related may include:

- A. Section 01 04 50: Cutting and Patching
- B. Section 01 10 00: Construction Documents
- C. Section 01 30 00: Submittals
- D. Section 01 50 00: Construction Facilities and Temporary Controls
- E. Section 01 70 00: Contract Closeout
- F. Section 01 74 00: Warranties and Guarantees

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION

3.01 TESTS

- A. OWNER will select and provide an independent DSA approved certified testing agency (AGENCY) to conduct tests, sampling, and testing of materials. AGENCY shall have DSA Laboratory Evaluation and Acceptance (LEA) Program acceptance. Selection of material to be tested shall be by the AGENCY and not by CONTRACTOR. Lab to be approved by Architect of record/Structural Engineer (where applicable) DSA.
- B. Any material shipped from the source of supply prior to having satisfactorily passed such testing and inspection, or prior to the receipt of notice from IOR such testing and inspection is not required, shall not be incorporated into the Work.
- C. OWNER will select, and directly reimburse, the AGENCY for costs of all DSA required tests and inspections; however, the OWNER may be reimbursed by CONTRACTOR for such costs for re-testing of deficient Work.
- D. The independent testing AGENCY is not authorized to release, revoke, alter, or enlarge requirements of the Contract Documents or approve or accept any portion of the Work.
- E. The AGENCY shall not perform any duties of CONTRACTOR.
- F. CONTRACTOR shall provide an insulated curing box with the capacity for twenty (20) concrete cylinders and will relocate said box and cylinders as rapidly as required in order to provide for progress of the Work.

3.02 TEST REPORTS

- A. Test reports shall include all tests performed, regardless of whether such tests indicate the material is satisfactory or unsatisfactory. Samples taken but not tested shall also be reported. Records of special sampling operations, when and as required, shall also be reported. Reports shall indicate the material (or materials) was sampled and tested in accordance with requirements of CBC, Title 24, Parts 1 and 2, as indicated on the Drawings. Test reports shall indicate specified design strength and specifically state whether or not the material (or materials) tested comply with the specified requirements.

3.03 VERIFICATION OF TEST REPORTS

- A. Each testing AGENCY shall submit to the Division of the State Architect, in duplicate, a verified report covering all tests required to be performed by that AGENCY during the progress of the Work. Such report, covering all required tests, shall be furnished prior to Substantial Completion and/or, when construction on the Work is suspended, covering all tests up to the time of Work suspension.

3.04 INSPECTION BY OWNER

- A. OWNER, and its representatives, shall have access, for purposes of inspection, at all times to all parts of the Work and to all shops wherein the Work is in preparation. CONTRACTOR shall, at all times, maintain proper facilities and provide safe access for such inspection.
- B. OWNER, and its representatives, shall have the right to reject materials and/or workmanship deemed defective Work and to require correction. Defective workmanship shall be corrected in a satisfactory manner and defective materials shall be removed from the premises and legally disposed of without charge to OWNER. If CONTRACTOR does not correct such defective Work within a reasonable time, fixed by written notice and in accordance with the terms and conditions of the Contract Documents, OWNER may correct such defective Work and proceed in accordance with related Articles of the Contract Documents.
- C. CONTRACTOR is responsible for compliance to all applicable local, state, and federal regulations regarding codes, regulations, ordinances, restrictions, and requirements.

3.05 INSPECTOR OF RECORD

- A. An Inspector of Record (IOR) shall be employed by OWNER, and approved by ARCHITECT, STRUCTURAL ENGINEER and DSA in accordance with requirements of Title 24 of the California Code of Regulations with their duties specifically defined therein. Additional DSA certified inspectors may be employed and assigned to the Work by OWNER in accordance with the requirements of California Building Standards Administrative Code with their duties as specifically defined in Section 4-333(b).
- B. Inspection of Work shall not relieve CONTRACTOR from any obligation to fulfill all terms and conditions of the Contract Documents.
- C. CONTRACTOR shall be responsible for scheduling times of inspection, tests, sample taking, and similar activities of the Work.

### 3.06 TESTS AND INSPECTIONS

The following tests and inspections do not limit inspection of the Work but are required by DSA, other agencies, or are required in related Sections of the Contract Documents.

1. Concrete - CBC, Chapter 19A:
  - a. Materials:
    - 1) Test of Materials: 1705A.3, ACI 318-14 Sections 26.12 & 26.13
    - 2) Portland Cement Tests: ACI 318, ASTM C 150.
    - 3) Concrete Aggregate: 1903A.5, ACI 318 Section 26.4.1.2, ASTM C 33.
    - 4) Reinforcing Bars: 1910A.2, ACI 318-14 Section 26.6.1.2
    - 5) Mix Designs: Table 1705A.3 Item 5, 1910A.1
    - 6) Admixtures: 1903A.6 ACI 318 Section 26.4.2.2 (b) and Table 26.4.2.2 (b)
  - b. Quality:
    - 1) Proportions of Concrete: 1910A.1
    - 2) Mixing and Placing: Table 1705A.3 Item 5, 1910A.1
    - 3) Concrete Testing: 1905A.1.16, ACI 318-14 Section 26.12
  - c. Inspection:
    - 1) Project Site Inspection: 1905A.7, 1705A.3.5
    - 2) Batch Plant: 1705A.3.3
    - 3) Weigh-Master Inspection: 1705A.3.3.1
    - 4) Reinforcing Bar Welding Inspection: 1705A.3.1 1903A.4.
2. Steel - CBC, Chapters 17A and 22A:
  - a. Materials:
    - 1) Structural Steel: 2205A.1.
    - 2) Material Identification: 2203.A.1.
  - b. Inspection and Tests:
    - 1) Test of Structural Steel: 1705A.2.
    - 2) Shop Fabrication Inspection: 1704A.2.5.
    - 3) Welding Inspection: 1705A.2.5.
3. Masonry - CBC, Chapter 21A:
  - a. Materials:
    - 1) Masonry Units: 2103A.1.
    - 2) Mortar & Grout Aggregates: 2103A.3.1.
    - 3) Reinforcing Bars: 2103A.4.

b. Quality:

- 1) Portland Cement Tests: 2105A.2.
- 2) Mortar & Grout Tests: 2105A.3.
- 3) Masonry Core Tests: 2105.2
- 4) Reinforcing Bars: 2103A.4
- 5) Masonry Prism Tests: 2105A.2

c. Inspection:

- 1) Reinforced Masonry: 1705A.4.
- 2) Reinforcing Bar Welding: 1705A.3.1

END OF SECTION 01 40 50

SECTION 01 71 23 - FIELD ENGINEERING

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Surveying requirements for the Work.

1.02 RELATED SECTIONS

- A. Section 31 20 00: Earthwork
- B. Section 32 12 16: Asphalt Paving
- C. Section 33 30 00: Sanitary Utilities
- D. Section 33 40 00: Storm Drainage

1.03 SURVEY SERVICE

- A. Unless otherwise stated by the Architect or noted in the Special Provisions, the CONTRACTOR shall provide all surveying services.

PART 2 - PRODUCTS (Not applicable)

PART 3 - EXECUTION

3.01 SUBMITTALS

- A. CONTRACTOR shall submit the name and address of the State of California licensed surveyor to Construction Management Representative (CMR), ARCHITECT and OWNER including any changes as they may occur.
- B. CONTRACTOR shall submit to OWNER copies of cut sheets, coordinate plots, data collector printouts, and other documentation as available to verify completeness and/or accuracy of field surveying work.
- C. Statement of Compliance: CONTRACTOR shall submit a statement of certification signed and sealed by Surveyor, counter-signed by CONTRACTOR indicating compliance with grade elevations, slopes and tolerances.

3.02 LAYOUT OF THE WORK

- A. CONTRACTOR shall employ a State of California licensed surveyor to lay out the entire Work, set grades, lines, levels, control points, vertical and horizontal control, elevations, grids and positions. Before the commencement of Work, surveyor shall, in conjunction with OWNER and Construction Management Representative (CMR) provided engineering survey of the Project site, locate all reference points and benchmarks, then lay out all lines, elevations, and measurements for the entire Work including but not limited to, buildings, grading, paving and utilities.

- B. All work under this contract shall be built in accordance with the lines and grades shown on the plans. Field survey for establishing these, and for the control of construction, shall be the responsibility of the Contractor. All such survey work including construction staking shall be done under the supervision of a California Licensed Land Surveyor or authorized Civil Engineer. Staking shall be done on all items ordinarily requiring grade and alignment, at intervals normally accepted by the agencies and trade involved.
- C. The CONTRACTOR shall be responsible for any errors in the finished work, and shall notify the Engineer, in writing, within 24 hours, of any discrepancies, or design errors during the construction staking.
- D. Contractor shall immediately remediate any areas found not to meet specification requirements.

### 3.03 SURVEY REQUIREMENTS

- A. Establish a minimum of two permanent horizontal and vertical control points on the Project site, remote from the work area, referenced to data established by the survey control points.
- B. Indicate the reference points on the project record drawings with the basis of elevation being the established benchmarks.
- C. Establish lines, grades, locations and dimensions by instrumentation. From time to time, verify the layout of all Work by the same methods.
- D. Provide grade stakes and elevations to construct over excavation and re-compaction, rough and final grades, paved areas, curbs, gutters, sidewalks, building pads, landscaped areas, and other areas as required.
- E. Calculate and layout proposed finished elevations and intermediate control as required to provide smooth transitions between the spot elevations indicated in the Contract Documents.
- F. Provide stakes and elevations for grading, fill, and topsoil placement.
- G. Provide adequate horizontal and vertical control to locate utility lines, including but not limited to, storm, sewers, water mains, gas, electric and signal and provide vertical control in proportion to the slope of the line as required for accurate construction. Dry utilities will be based upon adequate horizontal and vertical control layout. Prior to trench closure, survey and record invert and flow line elevations. Survey and record top of curb and flow line elevations on finished concrete or AC surfaces at key locations such as BC's, EC's, grade breaks, corners or angle points in sufficient number to demonstrate the Work complies with the intent of the Contract Documents.
- H. Provide horizontal and vertical control for batter boards for drainage, utility, and other on-site structures as required.
- I. Furnish building corner offsets as required to adequately locate building pads. Provide cut and fill stakes within the building pad perimeter adequate to control both over excavation and re-compaction and the final sub-grade elevation of the building pad.
- J. Submit a certification, signed by the surveyor, confirming the elevations and locations of improvements are in conformance with the Contract Documents. The statement shall include survey notes for the finish floor and building pad, showing the actual measured elevations on



the completed sub-grade, recorded to the nearest 0.01'. Building pad tolerance will be +/- 0.10'.

3.04 ESTABLISHMENT OF GRADES IN HARDSCAPE AREAS

- A. All work shall conform to the lines, elevations, and grades shown on the Grading Plans. Three consecutive points set on the same slope shall be used together so that any variation from a straight grade can be detected. Any such variation shall be reported to the Engineer. In the absence of such report, the Contractor shall be responsible for any error in the grade of the finished work.
- B. Areas having drainage gradients of 2 percent or more shall have elevation stakes, set with instrument, at grid intervals of 25 feet. Intermediate stakes may be set by using a tightly-drawn string line over the tops of adjacent stakes. Grade stakes must be set at all grade breaks, grade changes, etc.
- C. Areas having drainage gradients of less than 2 percent shall have elevation stakes, set with instrument, at 10 foot intervals. Grade stakes must be set at all grade breaks, grade changes, etc.
- D. Protect and maintain stakes in place until their removal is approved by the Owner. Grade or location stakes lost or disturbed by Contractor, shall be reset by the Surveyor at the expense of Contractor.

3.05 STORM DRAIN & SEWER PIPE INSTALLATION

- A. All storm drain & sewer pipelines, cleanouts, catch basins and drain inlets shall be staked by a licensed surveyor if slope of grade is less than 2% and a complete set of cut sheets shall be supplied to the Inspector. All construction staking shall be installed and verified for grade and alignment prior to the start of construction.

3.06 RECORD DRAWINGS

- A. Upon Substantial Completion, CONTRACTOR shall obtain and pay for reproducible transparencies of the as built survey drawings. Deliver to ARCHITECT, final "record" drawings of the original drawings and completed Work within specified tolerances.
- B. Record drawings shall indicate locations by coordinate of all utilities onsite with top of pipe elevations at major grade and alignment changes, rim grate or top-of-curb and flow line elevations of all drainage structures and manholes.
- C. Completed record drawing transparencies shall be signed and certified as correct and within specified tolerances by the licensed surveyor.
- D. Attention is called to other sections of the Contract Documents requiring verification or measurements of installed Work by survey. Surveyor shall perform and certify all such surveys or verification are completed in accordance with the Contract Documents.

END OF SECTION 01 71 23

*THIS PAGE INTENTIONALLY LEFT BLANK.*

SECTION 02 07 00 - SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Related Documents: Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specifications, apply to this section.
- B. Related Sections:
  - 1. 01 04 50 Cutting and Patching
- C. Definitions: As follows:
  - 1. Remove: Remove and legally dispose of items except those indicated to be reinstalled, salvaged, or to remain the District's property.
  - 2. Remove and Salvage: Items indicated to be removed and salvaged remain the District's property. Remove, clean, and pack or crate items to protect against damage. Identify contents of containers and deliver to District's designated storage area.
  - 3. Salvage and Reuse In New Work: Remove items indicated; clean, service, and otherwise prepare them for reuse; store and protect against damage. Reinstall items in locations indicated.
  - 4. Existing to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by the Architect, items may be removed to a suitable, protected storage location during selective demolition and then cleaned and reinstalled in their original locations.
  - 5. Replace: Remove and legally dispose of existing item(s) indicated and install new like item(s) that conform(s) to project specifications.
- D. Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain the District's property, demolished materials shall become the Contractor's property and shall be removed from the site with further disposition at the Contractor's option.
- E. Record drawings at Project closeout according to Division 1 Section "Contract Closeout."
  - 1. Identify and accurately locate capped utilities and other subsurface structural, electrical, or mechanical conditions.
- F. Regulatory Requirements: Comply with local governing EPA notification regulations before starting selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction including, but not limited to, the City of Santa Ana. Comply with California Fire Code Article 87.
- G. District will occupy portions of the building immediately adjacent to selective demolition area. Conduct selective demolition so that District's operations will not be disrupted. Provide not less than 72 hours' notice to District of activities that will affect District's operations.
- H. District assumes no responsibility for actual condition of buildings to be selectively demolished.

- I. Storage or sale of removed items or materials on-site will not be permitted.

PART 2 - PRODUCTS (Not applicable)

PART 3 - EXECUTION

3.1 GENERAL

- A. Survey the condition of the building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of the structure or adjacent structures during selective demolition.
- B. Perform surveys as the Work progresses to detect hazards resulting from selective demolition activities.
- C. Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
- D. Utility Requirements: Locate, identify, shut off, disconnect, and seal or cap off indicated utility services serving building to be selectively demolished.
  1. Where utility services are required to be removed, relocated, or abandoned, provide bypass connections to maintain continuity of service to other parts of the building before proceeding with selective demolition.
- E. Drain, purge, or otherwise remove, collect, and dispose of chemicals, gases, explosives, acids, flammables, or other dangerous materials before proceeding with selective demolition operations.
- F. Conduct demolition operations and remove debris to ensure minimum interference with roads, streets, walks, and other adjacent occupied and used facilities.
- G. Conduct demolition operations to prevent injury to people and damage to adjacent buildings, facilities, and site improvements to remain. Ensure safe passage of people around selective demolition area.
  1. Provide temporary weather protection, during interval between demolition and removal of existing construction, on exterior surfaces and new construction to ensure that no water leakage or damage occurs to structure or interior areas.
  2. Protect walls, ceilings, floors, and other existing finish work that are to remain and are exposed during selective demolition operations.
  3. Cover and protect furniture, furnishings, and equipment that have not been removed.
- H. Provide and maintain interior and exterior shoring, bracing, or structural support to preserve stability and prevent movement, settlement, or collapse of building to be selectively demolished.
- I. Use water mist, temporary enclosures, and other suitable methods to limit the spread of dust and dirt. Comply with governing environmental protection regulations.
- J. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

- K. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before start of selective demolition.
- L. Remove structural framing members and lower to ground by method suitable to avoid free fall.
- M. Promptly patch and repair holes and damaged surfaces caused to adjacent construction by selective demolition operations.
- N. Where repairs to existing surfaces are required, patch to produce surfaces suitable for new materials.
- O. Restore exposed finishes of patched areas and extend finish restoration into adjoining construction to remain in a manner that eliminates evidence of patching and refinishing.
- P. Patch and repair floor and wall surfaces in the new space where demolished walls or partitions extend one finished area into another. Provide a flush and even surface of uniform color and appearance.
- Q. Patch, repair, or rehang existing ceilings as necessary to provide an even-plane surface of uniform appearance.
- R. Disposal: Promptly dispose of demolished materials. Do not allow demolished materials to accumulate on-site.
  - 1. Do not burn demolished materials.
  - 2. Dispose of demolished materials at designated spoil areas on District's property.
  - 3. Transport demolished materials off District's property and legally dispose of them.
- S. Sweep the building broom clean on completion of selective demolition operation.
- T. Where performing contracted scope of work requires coring of existing concrete or CMU structures (including CMU Walls and concrete Floors), contractor shall obtain and document means of verifying existence and location of embedded steel reinforcing materials within said concrete and CMU assemblies. Contractor shall locate reinforcement by means of non-invasive technology such as X-ray photography for the purposes of protecting said reinforcement in place and shall not damage any reinforcement materials (rebar, etc.) unless specifically detailed as such and approved by the authority having jurisdiction.

END OF SECTION 02 07 00

*THIS PAGE INTENTIONALLY LEFT BLANK.*

## SECTION 03 10 00 - CONCRETE FORMWORK

### PART 1 - GENERAL

#### 1.1 SECTION INCLUDES

- A. Formwork for cast-in-place concrete, with shoring, bracing, and anchorage.
- B. Openings for other affected work.
- C. Form accessories.
- D. Stripping forms.

#### 1.2 REFERENCES

- A. CBC - California Building Code, (CCR) California Code of Regulations, Title 24, Part 2, Chapter 19A. Throughout this volume, any reference to the CBC means the 2022 edition of the California Building Code.
- B. ACI 301 - Specifications for Structural Concrete for Buildings.
- C. PS-1 - Construction and Industrial Plywood.

#### 1.3 SYSTEM DESCRIPTION

- A. Design, engineer, and construct formwork, shoring, and bracing to meet design and code requirements, so that resultant concrete conforms to required shapes, lines, and dimensions.

#### 1.4 QUALITY ASSURANCE

- A. Construct and erect concrete formwork in accordance with ACI 301.

#### 1.5 REGULATORY REQUIREMENTS

- A. Conform to CBC - California Building Code, (CCR) California Code of Regulations, Title 24, Part 2.

### PART 2 - PRODUCTS

#### 2.1 FORM MATERIALS

- A. Plywood: PS-1, BB Plyform grade, Class I, Exterior classification.
- B. Lumber: Douglas Fir species; construction grade; with grade stamp clearly visible.
- C. Tubular Column: Round, of spirally wound laminated fiber; surface treated with release agent; of

#### 2.2 FORMWORK ACCESSORIES

- A. Form Ties: Snap-off metal of adjustable length; cone type; 1 inch break back dimension; free of defects that will leave holes no larger than one inch diameter in concrete surface.

- B. Form Release Agent: Colorless material which will not stain concrete, absorb moisture, or impair natural bonding or color characteristics of coating intended for use on concrete.
- C. Fillets for Chamfered Corners: Wood strips type; 3/4 x 3/4 inch size; maximum possible lengths.
- D. Dovetail Anchor Slots: Minimum 22 gage galvanized steel; foam filled; release tape sealed slots; bent tab anchors; securable to concrete formwork; manufactured by Heckmann Building Products Co., [www.heckmannbuildingprods.com](http://www.heckmannbuildingprods.com).
- E. Flashing Reglets: 26 gage thick galvanized steel; longest possible lengths; release tape sealed slots; with alignment splines for joints; securable to concrete formwork; Type CO reglet manufactured by Fry Reglet [www.fryreglet.com](http://www.fryreglet.com).
- F. Nails, Spikes, Lag Bolts, Through Bolts, Anchorages: Sized as required; of strength and character to maintain formwork in place while placing concrete.

### PART 3 - EXECUTION

#### 3.1 INSPECTION

- A. Verify lines, levels, and measurements before proceeding with formwork.

#### 3.2 PREPARATION

- A. Obtain Architect's approval for use of earth forms for footings.
- B. Minimize form joints. Symmetrically align joints and make watertight to prevent leakage of mortar.
- C. Arrange and assemble formwork to permit stripping, so that concrete is not damaged during its removal.
- D. Arrange forms to allow stripping without removal of principal shores, where required to remain in place.

#### 3.3 ERECTION

- A. Erect formwork, shoring and bracing to achieve design requirements, in accordance with requirements of ACI 301.
- B. Provide bracing to ensure stability of formwork. Strengthen formwork liable to be overstressed by construction loads.
- C. Provide chamfer strips on external corners of walls.
- D. Obtain approval before framing openings in structural members which are not indicated on Drawings.
- E. Do not displace or damage vapor barrier placed by Section 033000.
- F. Construct formwork to maintain tolerances in accordance with ACI 301.



3.4 APPLICATION OF FORM RELEASE AGENT

- A. Apply form release agent on formwork in accordance with manufacturer's instructions. Apply prior to placing reinforcing steel, anchoring devices, and embedded items.
- B. Do not apply form release agent where concrete surfaces are scheduled to receive applied coverings which may be affected by agent. Soak contact surfaces of untreated forms with clean water. Keep surfaces wet prior to placing concrete.

3.5 INSERTS, EMBEDDED PARTS, AND OPENINGS

- A. Provide formed openings where required for work embedded in or passing through concrete.
- B. Coordinate work of other Sections in forming and setting openings, slots, recesses, chases, sleeves, bolts, anchors, and other inserts.
- C. Install accessories in accordance with manufacturer's instructions, level and plumb. Ensure items are not disturbed during concrete placement.

3.6 FORM REMOVAL

- A. Do not remove forms and bracing until concrete has sufficient strength to support its own weight and imposed loads.
- B. Do not damage concrete surfaces during form removal.
- C. Store reusable forms for exposed architectural concrete to prevent damage to contact surfaces.

3.7 CLEANING

- A. Clean forms to remove foreign matter as erection proceeds.
- B. Ensure that water and debris drain to exterior through clean-out ports.

3.8 EARTH FORMS

- A. Construct wood edge strips at top sides of excavations as indicated on drawings.
- B. Provide forms for footings and foundation walls wherever concrete cannot be placed against solid earth.
- C. Remove loose dirt and debris from form area prior to concrete placement.
- D. Concrete for foundations may be placed directly into neat excavations provided the foundation trench walls are stable as determined by the Architect (Structural Engineer) subject to the approval of the Division of the State Architect.
- E. When earth formed foundations are used, the minimum formwork shown on the drawings is mandatory to insure clean excavations prior to and during concrete placement.
- F. Provide 3-1/2 inch high starter wall for all concrete and masonry walls below grade.

RANCHO STARBUCK INTERMEDIATE SCHOOL  
LIBRARY ENTRY CANOPY  
LOWELL JOINT SCHOOL DISTRICT

PROJECT NO: 2133.2  
OCTOBER 30, 2023

END OF SECTION 03 10 00

CONCRETE FORMWORK  
03 10 00 - 4

SECTION 03 20 00 - CONCRETE REINFORCEMENT

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Reinforcing steel bars, welded steel wire fabric fabricated steel bar or rod mats for cast-in-place concrete.
- B. Support chairs, bolsters, bar supports, and spacers, for supporting reinforcement.

1.2 REFERENCES

- A. CBC - California Building Code, (CCR) California Code of Regulations, Title 24, Part 2, Chapter 19A (ACI 318-19).
- B. ACI 301 - Specifications for Structural Concrete for Buildings.
- C. ACI 315 (SP-66) - Details and Detailing of Concrete Reinforcement.
- D. ACI 318-19 - Building Code Requirements for Reinforced Concrete.
- E. ASTM A82 - Cold Drawn Steel Wire for Concrete Reinforcement.
- F. ASTM A185 - Welded Steel Wire Fabric for Concrete Reinforcement.
- G. ASTM A615 - Deformed and Plain Billet-Steel Bars for Concrete Reinforcement.
- H. ASTM A706 - Standard Specification for Low Alloy Steel Deformed Bars for Concrete Reinforcement.
- I. AWS D1.4 - Structural Welding Code Reinforcing Steel.
- J. CRSI - Manual of Practice.
- K. CRSI - Placing Reinforcing Bars.

1.3 QUALITY ASSURANCE

- A. Perform concrete reinforcement work in accordance with CRSI Manual of Standard Practice.
- B. Conform to ACI 301 and ACI 315 (SP-66).
- C. Conform to CBC California Building Code, (CCR) California Code of Regulations, Title 24, Part 2.

1.4 CERTIFICATES

- A. Submit mill test certificates of supplied concrete reinforcing, indicating physical and chemical analysis.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Reinforcing Steel: ASTM A615, Grade 60. Billet-steel deformed bars, uncoated finish.
- B. Welded Reinforcement: ASTM A706, Grade 60, deformed bars, unfinished.
- C. Welded Steel Wire Fabric: ASTM A185 plain type; coiled rolls; uncoated finish.
- D. Steel Wire: ASTM A82, plain, cold drawn steel.

2.2 ACCESSORY MATERIALS

- A. Tie Wire: Minimum 16 gage annealed type.
- B. Chairs, Bolsters, Bar Supports, Spacers: Sized and shaped for strength and support of reinforcement during installation and placement of concrete including load bearing pad on bottom to prevent vapor barrier puncture.

2.3 FABRICATION

- A. Fabricate in accordance with ACI 315 (SP-66), providing concrete cover specified in Section 033000.
- B. Locate reinforcing splices not indicated on Drawings at points of minimum stress. Indicate location of splices on shop drawings.
- C. Weld reinforcing bars in accordance with AWS D1.4.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Before placing concrete, clean reinforcement of foreign particles or coatings.
- B. Place, support, and secure reinforcement against displacement. Do not deviate from alignment or measurement.
- C. Mix fibrous reinforcement into concrete material according to Section 033000.
- D. Do not displace or damage vapor barrier required by Section 033000.

3.2 FIELD QUALITY CONTROL

- A. Field inspection and testing will be performed under provisions of Section 014000 and as required by the Division of the State Architect and District Inspector.

END OF SECTION 03 20 00

SECTION 03 30 00 - CAST-IN-PLACE CONCRETE

PART 1 - GENERALS

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes cast-in-place concrete, including formwork, reinforcement, concrete materials, mixture design, placement procedures, and finishes.
- B. Related Requirements: None

1.3 DEFINITIONS

- A. Cementitious Materials: Portland cement alone or in combination with one or more of the following: blended hydraulic cement, fly ash, slag cement, other pozzolans, and silica fume; materials subject to compliance with requirements.
- B. W/C Ratio: The ratio by weight of water to cementitious materials.

1.4 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
  - 1. Before submitting design mixtures, review concrete design mixture and examine procedures for ensuring quality of concrete materials. Require representatives of each entity directly concerned with cast-in-place concrete to attend, including the following:
    - a. Contractor's superintendent.
    - b. Independent testing agency responsible for concrete design mixtures.
    - c. Ready-mix concrete manufacturer.
    - d. Concrete Subcontractor.
    - e. Special concrete finish Subcontractor.
  - 2. Review special inspection and testing and inspecting agency procedures for field quality control, concrete finishes and finishing, cold- and hot-weather concreting procedures, curing procedures, forms and form removal limitations, anchor rod and anchorage device installation tolerances, steel reinforcement installation, methods for achieving specified floor and slab

flatness and levelness, floor slab flatness and levelness measurement, concrete repair procedures, and concrete protection.

1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Design Mixtures: For each concrete mixture. Submit alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.
  - 1. Indicate amounts of mixing water to be withheld for later addition at Project site.
- C. Construction Joint Layout: Not permitted unless specifically indicated on the drawings.

1.6 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For manufacturer.
- B. Material Certificates: For each of the following, signed by manufacturers:
  - 1. Cementitious materials.
  - 2. Admixtures.
  - 3. Form materials and form-release agents.
  - 4. Steel reinforcement and accessories.
  - 5. Curing compounds.
  - 6. Floor and slab treatments.
  - 7. Bonding agents.
  - 8. Adhesives.
  - 9. Semirigid joint filler.
  - 10. Joint-filler strips.
  - 11. Repair materials.
- C. Floor surface flatness and levelness measurements indicating compliance with specified tolerances.
- D. Field quality-control reports.
- E. Minutes of preinstallation conference.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified installer who employs on Project personnel qualified as ACI-certified Flatwork Technician and Finisher and a supervisor who is an ACI-certified Concrete Flatwork Technician.

- B. Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C 94/C 94M requirements for production facilities and equipment.
    - 1. Manufacturer certified according to NRMCA's "Certification of Ready Mixed Concrete Production Facilities."
  - C. Testing Agency Qualifications: An independent agency, acceptable to authorities having jurisdiction, qualified according to ASTM C 1077 and ASTM E 329 for testing indicated.
    - 1. Personnel conducting field tests shall be qualified as ACI Concrete Field Testing Technician, Grade 1, according to ACI CP-1 or an equivalent certification program.
    - 2. Personnel performing laboratory tests shall be ACI-certified Concrete Strength Testing Technician and Concrete Laboratory Testing Technician, Grade I. Testing agency laboratory supervisor shall be an ACI-certified Concrete Laboratory Testing Technician, Grade II.
- 1.8 PRECONSTRUCTION TESTING
- A. Preconstruction Testing Service: Engage a qualified testing agency to perform preconstruction testing on concrete mixtures.
- 1.9 DELIVERY, STORAGE, AND HANDLING
- A. Steel Reinforcement: Deliver, store, and handle steel reinforcement to prevent bending and damage. Avoid damaging coatings on steel reinforcement.
- 1.10 FIELD CONDITIONS
- A. Cold-Weather Placement: Comply with ACI 306.1 and as follows. Protect concrete work from physical damage or reduced strength that could be caused by frost, freezing actions, or low temperatures.
    - 1. When average high and low temperature is expected to fall below 40 deg F (4.4 deg C) for three successive days, maintain delivered concrete mixture temperature within the temperature range required by ACI 301 (ACI 301M).
    - 2. Do not use frozen materials or materials containing ice or snow. Do not place concrete on frozen subgrade or on subgrade containing frozen materials.
    - 3. Do not use calcium chloride, salt, or other materials containing antifreeze agents or chemical accelerators unless otherwise specified and approved in mixture designs.
  - B. Hot-Weather Placement: Comply with ACI 301 (ACI 301M) and ACI 305.1 (ACI 305.1M), and as follows:
    - 1. Maintain concrete temperature below 90 deg F (32 deg C) at time of placement. Chilled mixing water or chopped ice may be used to control temperature, provided water equivalent of ice is calculated to total amount of mixing water. Using liquid nitrogen to cool concrete is Contractor's option.

2. Fog-spray forms, steel reinforcement, and subgrade just before placing concrete. Keep subgrade uniformly moist without standing water, soft spots, or dry areas.

## PART 2 - PRODUCTS

### 2.1 CONCRETE, GENERAL

- A. ACI Publications: Comply with the following unless modified by requirements in the Contract Documents:

1. ACI 301 (ACI 301M).
2. ACI 117 (ACI 117M).

### 2.2 FORM-FACING MATERIALS

- A. Smooth-Formed Finished Concrete: Form-facing panels that provide continuous, true, and smooth concrete surfaces. Furnish in largest practicable sizes to minimize number of joints.

1. Plywood, metal, or other approved panel materials.
2. Exterior-grade plywood panels, suitable for concrete forms, complying with DOC PS 1, and as follows:
  - a. High-density overlay, Class 1 or better.
  - b. Medium-density overlay, Class 1 or better; mill-release agent treated and edge sealed.
  - c. Structural 1, B-B or better; mill oiled and edge sealed.
  - d. B-B (Concrete Form), Class 1 or better; mill oiled and edge sealed.

3. Overlaid Finnish birch plywood.

- B. Form-Release Agent: Commercially formulated form-release agent that does not bond with, stain, or adversely affect concrete surfaces and does not impair subsequent treatments of concrete surfaces.

1. Formulate form-release agent with rust inhibitor for steel form-facing materials.

- C. Form Ties: Factory-fabricated, removable or snap-off glass-fiber-reinforced plastic or metal form ties designed to resist lateral pressure of fresh concrete on forms and to prevent spalling of concrete on removal.

1. Furnish units that leave no corrodible metal closer than 1 inch (25 mm) to the plane of exposed concrete surface.
2. Furnish ties that, when removed, leave holes no larger than 1 inch (25 mm) in diameter in concrete surface.
3. Furnish ties with integral water-barrier plates to walls indicated to receive dampproofing or waterproofing.



2.3 STEEL REINFORCEMENT

- A. Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (Grade 420), deformed.
- B. Low-Alloy-Steel Reinforcing Bars: ASTM A 706/A 706M, deformed.
- C. Galvanized Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (Grade 420) deformed bars, ASTM A 767/A 767M.
- D. Steel Bar Mats: ASTM A 184/A 184M, fabricated from ASTM A 615/A 615M, Grade 60 (Grade 420), deformed bars, assembled with clips.

2.4 REINFORCEMENT ACCESSORIES

- A. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars and welded-wire reinforcement in place. Manufacture bar supports from steel wire, plastic, or precast concrete according to CRSI's "Manual of Standard Practice," of greater compressive strength than concrete and as follows:
  - 1. For concrete surfaces exposed to view, where legs of wire bar supports contact forms, use CRSI Class 1 plastic-protected steel wire or CRSI Class 2 stainless-steel bar supports.
  - 2. For epoxy-coated reinforcement, use epoxy-coated or other dielectric-polymer-coated wire bar supports.
  - 3. For zinc-coated reinforcement, use galvanized wire or dielectric-polymer-coated wire bar supports.

2.5 CONCRETE MATERIALS

- A. Source Limitations: Obtain each type or class of cementitious material of the same brand from the same manufacturer's plant, obtain aggregate from single source, and obtain admixtures from single source from single manufacturer.
- B. Cementitious Materials:
  - 1. Portland Cement: ASTM C 150/C 150M, Type II/V
  - 2. Slag Cement: ASTM C 989/C 989M, Grade 100 or 120.
  - 3. Silica Fume: ASTM C 1240, amorphous silica.
- C. Normal-Weight Aggregates: ASTM C 33/C 33M, coarse aggregate or better, graded. Provide aggregates from a single source.
  - 1. Maximum Coarse-Aggregate Size: 1-1/2 inches (38 mm)
  - 2. Retain "Fine Aggregate" Subparagraph below if optional restriction for fine aggregate in ASTM C 33/C 33M is required.
  - 3. Fine Aggregate: Free of materials with deleterious reactivity to alkali in cement.

- D. Air-Entraining Admixture: ASTM C 260/C 260M.
- E. Chemical Admixtures: Certified by manufacturer to be compatible with other admixtures and that do not contribute water-soluble chloride ions exceeding those permitted in hardened concrete. Do not use calcium chloride or admixtures containing calcium chloride.
  - 1. Water-Reducing Admixture: ASTM C 494/C 494M, Type A.
  - 2. Retarding Admixture: ASTM C 494/C 494M, Type B.
  - 3. Water-Reducing and Retarding Admixture: ASTM C 494/C 494M, Type D.
  - 4. High-Range, Water-Reducing Admixture: ASTM C 494/C 494M, Type F.
  - 5. High-Range, Water-Reducing and Retarding Admixture: ASTM C 494/C 494M, Type G.
  - 6. Plasticizing and Retarding Admixture: ASTM C 1017/C 1017M, Type II.
- F. Set-Accelerating Corrosion-Inhibiting Admixture: Commercially formulated, anodic inhibitor or mixed cathodic and anodic inhibitor; capable of forming a protective barrier and minimizing chloride reactions with steel reinforcement in concrete and complying with ASTM C 494/C 494M, Type C.
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. BASF Corp. - Construction Chemicals.
    - b. Euclid Chemical Company (The); an RPM company.
    - c. GCP Applied Technologies Inc. (formerly Grace Construction Products).
    - d. Sika Corporation.
- G. Non-Set-Accelerating Corrosion-Inhibiting Admixture: Commercially formulated, non-set-accelerating, anodic inhibitor or mixed cathodic and anodic inhibitor; capable of forming a protective barrier and minimizing chloride reactions with steel reinforcement in concrete.
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. BASF Corp. - Construction Chemicals.
    - b. GCP Applied Technologies Inc. (formerly Grace Construction Products).
    - c. Sika Corporation.
- H. Water: ASTM C 1602/C 1602M and potable.

## 2.6 CURING MATERIALS

- A. Evaporation Retarder: Waterborne, monomolecular film forming, manufactured for application to fresh concrete.
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

- a. BASF Corp. - Construction Chemicals.
  - b. Bon Tool Co.
  - c. Brickform; a division of Solomon Colors.
  - d. ChemMasters, Inc.
  - e. Dayton Superior.
  - f. Euclid Chemical Company (The); an RPM company.
  - g. Kaufman Products, Inc.
  - h. L&M Construction Chemicals, Inc.
  - i. Lambert Corporation.
  - j. Metalcrete Industries.
  - k. Nox-Crete Products Group.
  - l. Sika Corporation.
  - m. SpecChem, LLC.
  - n. TK Products.
  - o. Vexcon Chemicals Inc.
  - p. W.R. Meadows, Inc.
- B. Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. (305 g/sq. m) when dry.
- C. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet.
- D. Water: Potable.
- E. Clear, Waterborne, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B, dissipating.
1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. Anti-Hydro International, Inc.
    - b. BASF Corp. - Construction Chemicals.
    - c. ChemMasters, Inc.
    - d. Dayton Superior.
    - e. Euclid Chemical Company (The); an RPM company.
    - f. Kaufman Products, Inc.
    - g. L&M Construction Chemicals, Inc.
    - h. Lambert Corporation.
    - i. Nox-Crete Products Group.
    - j. Right Pointe.
    - k. SpecChem, LLC.
    - l. TK Products.
    - m. Vexcon Chemicals Inc.
    - n. W.R. Meadows, Inc.

2.7 RELATED MATERIALS

- A. Bonding Agent: ASTM C 1059/C 1059M, Type II, nonredispersible, acrylic emulsion or styrene butadiene.

2.8 REPAIR MATERIALS

- A. Repair Underlayment: Cement-based, polymer-modified, self-leveling product that can be applied in thicknesses from 1/8 inch (3.2 mm) and that can be feathered at edges to match adjacent floor elevations.
  - 1. Cement Binder: ASTM C 150/C 150M, portland cement or hydraulic or blended hydraulic cement as defined in ASTM C 219.
  - 2. Primer: Product of underlayment manufacturer recommended for substrate, conditions, and application.
  - 3. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch (3.2 to 6 mm) or coarse sand as recommended by underlayment manufacturer.
  - 4. Compressive Strength: Not less than 3000 psi (21 MPa) at 28 days when tested according to ASTM C 109/C 109M.

2.9 CONCRETE MIXTURES, GENERAL

- A. Prepare design mixtures for each type and strength of concrete, proportioned on the basis of laboratory trial mixture or field test data, or both, according to ACI 301 (ACI 301M).
  - 1. Use a qualified independent testing agency for preparing and reporting proposed mixture designs based on laboratory trial mixtures.
- B. Cementitious Materials: Limit percentage, by weight, of cementitious materials other than portland cement in concrete as follows:
  - 1. Fly Ash: 15 percent.
  - 2. Combined Fly Ash and Pozzolan: 15 percent.
- C. Limit water-soluble, chloride-ion content in hardened concrete to 0.06 percent by weight of cement.
- D. Admixtures: Use admixtures according to manufacturer's written instructions.

2.10 CONCRETE MIXTURES FOR BUILDING ELEMENTS

- A. Footings: Normal-weight concrete.
  - 1. Minimum Compressive Strength: 4500 psi (145 PCF) at 28 days.
  - 2. Maximum W/C Ratio: 0.45
  - 3. Slump Limit: See general notes on Structural Drawings.

2.11 FABRICATING REINFORCEMENT

- A. Fabricate steel reinforcement according to CRSI's "Manual of Standard Practice."

2.12 CONCRETE MIXING

- A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94/C 94M, and furnish batch ticket information.
  - 1. When air temperature is between 85 and 90 deg F (30 and 32 deg C), reduce mixing and delivery time from 1-1/2 hours to 75 minutes; when air temperature is above 90 deg F (32 deg C), reduce mixing and delivery time to 60 minutes.

PART 3 - EXECUTION

3.1 FORMWORK INSTALLATION

- A. Design, erect, shore, brace, and maintain formwork, according to ACI 301 (ACI 301M), to support vertical, lateral, static, and dynamic loads, and construction loads that might be applied, until structure can support such loads.
- B. Construct formwork so concrete members and structures are of size, shape, alignment, elevation, and position indicated, within tolerance limits of ACI 117 (ACI 117M).
- C. Construct forms tight enough to prevent loss of concrete mortar.
- D. Construct forms for easy removal without hammering or prying against concrete surfaces. Provide crush or wrecking plates where stripping may damage cast-concrete surfaces. Provide top forms for inclined surfaces steeper than 1.5 horizontal to 1 vertical.
  - 1. Install keyways, reglets, recesses, and the like, for easy removal.
  - 2. Do not use rust-stained steel form-facing material.
- E. Set edge forms, bulkheads, and intermediate screed strips for slabs to achieve required elevations and slopes in finished concrete surfaces. Provide and secure units to support screed strips; use strike-off templates or compacting-type screeds.
- F. Chamfer exterior corners and edges of permanently exposed concrete.
- G. Clean forms and adjacent surfaces to receive concrete. Remove chips, wood, sawdust, dirt, and other debris just before placing concrete.
- H. Retighten forms and bracing before placing concrete, as required, to prevent mortar leaks and maintain proper alignment.

- I. Coat contact surfaces of forms with form-release agent, according to manufacturer's written instructions, before placing reinforcement.

### 3.2 REMOVING AND REUSING FORMS

- A. General: Formwork for sides of beams, walls, columns, and similar parts of the Work that does not support weight of concrete may be removed after cumulatively curing at not less than 50 deg F (10 deg C) for 24 hours after placing concrete. Concrete has to be hard enough to not be damaged by form-removal operations, and curing and protection operations need to be maintained.
- B. Clean and repair surfaces of forms to be reused in the Work. Split, frayed, delaminated, or otherwise damaged form-facing material are not acceptable for exposed surfaces. Apply new form-release agent.
- C. When forms are reused, clean surfaces, remove fins and laitance, and tighten to close joints. Align and secure joints to avoid offsets. Do not use patched forms for exposed concrete surfaces unless approved by Architect.

### 3.3 STEEL REINFORCEMENT INSTALLATION

- A. General: Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.
  1. Do not cut or puncture vapor retarder. Repair damage and reseal vapor retarder before placing concrete.
- B. Clean reinforcement of loose rust and mill scale, earth, ice, and other foreign materials that reduce bond to concrete.
- C. Accurately position, support, and secure reinforcement against displacement. Locate and support reinforcement with bar supports to maintain minimum concrete cover. Do not tack weld crossing reinforcing bars.
- D. Set wire ties with ends directed into concrete, not toward exposed concrete surfaces.

### 3.4 CONCRETE PLACEMENT

- A. Before placing concrete, verify that installation of formwork, reinforcement, and embedded items is complete and that required inspections are completed.
- B. Do not add water to concrete during delivery, at Project site, or during placement unless approved by Architect.
- C. Before test sampling and placing concrete, water may be added at Project site, subject to limitations of ACI 301 (ACI 301M).

1. Do not add water to concrete after adding high-range water-reducing admixtures to mixture.
- D. Deposit concrete continuously in one layer or in horizontal layers of such thickness that no new concrete is placed on concrete that has hardened enough to cause seams or planes of weakness. If a section cannot be placed continuously, provide construction joints as indicated. Deposit concrete to avoid segregation.
1. Deposit concrete in horizontal layers of depth not to exceed formwork design pressures and in a manner to avoid inclined construction joints.
  2. Consolidate placed concrete with mechanical vibrating equipment according to ACI 301 (ACI 301M).
  3. Do not use vibrators to transport concrete inside forms. Insert and withdraw vibrators vertically at uniformly spaced locations to rapidly penetrate placed layer and at least 6 inches (150 mm) into preceding layer. Do not insert vibrators into lower layers of concrete that have begun to lose plasticity. At each insertion, limit duration of vibration to time necessary to consolidate concrete and complete embedment of reinforcement and other embedded items without causing mixture constituents to segregate.
- E. Deposit and consolidate concrete for floors and slabs in a continuous operation, within limits of construction joints, until placement of a panel or section is complete.
1. Consolidate concrete during placement operations, so concrete is thoroughly worked around reinforcement and other embedded items and into corners.
  2. Maintain reinforcement in position on chairs during concrete placement.
  3. Screed slab surfaces with a straightedge and strike off to correct elevations.
  4. Slope surfaces uniformly to drains where required.
  5. Begin initial floating using bull floats or darbies to form a uniform and open-textured surface plane, before excess bleedwater appears on the surface. Do not further disturb slab surfaces before starting finishing operations.
- 3.5 FINISHING FORMED SURFACES
- A. Smooth-Formed Finish: As-cast concrete texture imparted by form-facing material, arranged in an orderly and symmetrical manner with a minimum of seams. Repair and patch tie holes and defects. Remove fins and other projections that exceed specified limits on formed-surface irregularities.
1. Apply to concrete surfaces.
- 3.6 FINISHING FLOORS AND SLABS
- A. General: Comply with ACI 302.1R recommendations for screeding, restraighening, and finishing operations for concrete surfaces. Do not wet concrete surfaces.
- B. Float Finish: Consolidate surface with power-driven floats or by hand floating if area is small or inaccessible to power-driven floats. Restraighten, cut down high spots, and fill low spots. Repeat float passes and restraighening until surface is left with a uniform, smooth, granular texture.

- C. Trowel Finish: After applying float finish, apply first troweling and consolidate concrete by hand or power-driven trowel. Continue troweling passes and restraighthen until surface is free of trowel marks and uniform in texture and appearance. Grind smooth any surface defects that would telegraph through applied coatings or floor coverings.
- D. Provide slip-resistant surface along the path of travel.

### 3.7 MISCELLANEOUS CONCRETE ITEM INSTALLATION

- A. Equipment Bases and Foundations:
  - 1. Coordinate sizes and locations of concrete bases with actual equipment provided.

### 3.8 CONCRETE PROTECTING AND CURING

- A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and ACI 305.1 (ACI 305.1M) for hot-weather protection during curing.
- B. Formed Surfaces: Cure formed concrete surfaces, including underside of beams, supported slabs, and other similar surfaces. If forms remain during curing period, moist cure after loosening forms. If removing forms before end of curing period, continue curing for remainder of curing period.
- C. Unformed Surfaces: Begin curing immediately after finishing concrete. Cure unformed surfaces, including floors and slabs, concrete floor toppings, and other surfaces.
- D. Cure concrete according to ACI 308.1, by one or a combination of the following methods:
  - 1. Moisture Curing: Keep surfaces continuously moist for not less than seven days with the following materials:
    - a. Water.
    - b. Continuous water-fog spray.
    - c. Absorptive cover, water saturated, and kept continuously wet. Cover concrete surfaces and edges with 12-inch (300-mm) lap over adjacent absorptive covers.
  - 2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches (300 mm), and sealed by waterproof tape or adhesive. Cure for not less than seven days. Immediately repair any holes or tears during curing period, using cover material and waterproof tape.
    - a. Moisture cure or use moisture-retaining covers to cure concrete surfaces to receive floor coverings.
    - b. Moisture cure or use moisture-retaining covers to cure concrete surfaces to receive penetrating liquid floor treatments.



- c. Cure concrete surfaces to receive floor coverings with either a moisture-retaining cover or a curing compound that the manufacturer certifies does not interfere with bonding of floor covering used on Project.
3. Curing Compound: Apply uniformly in continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Maintain continuity of coating and repair damage during curing period.
  - a. Removal: After curing period has elapsed, remove curing compound without damaging concrete surfaces by method recommended by curing compound manufacturer.
4. Curing and Sealing Compound: Apply uniformly to floors and slabs indicated in a continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Repeat process 24 hours later and apply a second coat. Maintain continuity of coating and repair damage during curing period.

### 3.9 CONCRETE SURFACE REPAIRS

- A. Defective Concrete: Repair and patch defective areas when approved by Architect. Remove and replace concrete that cannot be repaired and patched to Architect's approval.
- B. Patching Mortar: Mix dry-pack patching mortar, consisting of 1 part portland cement to 2-1/2 parts fine aggregate passing a No. 16 (1.18-mm) sieve, using only enough water for handling and placing.
- C. Perform structural repairs of concrete, subject to Architect's approval, using epoxy adhesive and patching mortar.
- D. Repair materials and installation not specified above may be used, subject to Architect's approval.

### 3.10 FIELD QUALITY CONTROL

- A. Special Inspections: Owner will engage a special inspector and qualified testing and inspecting agency to perform field tests and inspections and prepare test reports.
- B. Testing Agency: Engage a qualified testing and inspecting agency to perform tests and inspections and to submit reports.
- C. Inspections:
  1. Steel reinforcement placement.
  2. Verification of use of required design mixture.
  3. Concrete placement, including conveying and depositing.
  4. Curing procedures and maintenance of curing temperature.
  5. Verification of concrete strength before removal of shores and forms from beams and slabs.

- D. Concrete Tests: Testing of composite samples of fresh concrete obtained according to ASTM C 172/C 172M shall be performed according to the following requirements:
1. Testing Frequency: Obtain one composite sample for each day's pour of each concrete mixture exceeding 5 cu. yd. (4 cu. m), but less than 25 cu. yd. (19 cu. m), plus one set for each additional 50 cu. yd. (38 cu. m) or fraction thereof.
  2. Testing Frequency: Obtain at least one composite sample for each 100 cu. yd. (76 cu. m) or fraction thereof of each concrete mixture placed each day.
    - a. When frequency of testing provides fewer than five compressive-strength tests for each concrete mixture, testing shall be conducted from at least five randomly selected batches or from each batch if fewer than five are used.
  3. Slump: ASTM C 143/C 143M; one test at point of placement for each composite sample, but not less than one test for each day's pour of each concrete mixture. Perform additional tests when concrete consistency appears to change.
  4. Air Content: ASTM C 231/C 231M, pressure method, for normal-weight concrete; one test for each composite sample, but not less than one test for each day's pour of each concrete mixture.
  5. Concrete Temperature: ASTM C 1064/C 1064M; one test hourly when air temperature is 40 deg F (4.4 deg C) and below or 80 deg F (27 deg C) and above, and one test for each composite sample.
  6. Compression Test Specimens: ASTM C 31/C 31M.
    - a. Cast and laboratory cure two sets of two standard cylinder specimens for each composite sample.
  7. Compressive-Strength Tests: ASTM C 39/C 39M; test one set of two laboratory-cured specimens at 7 days and one set of two specimens at 28 days.
    - a. Test one set of two field-cured specimens at 7 days and one set of two specimens at 28 days.
    - b. A compressive-strength test shall be the average compressive strength from a set of two specimens obtained from same composite sample and tested at age indicated.
  8. Retain first subparagraph below if field-cured specimens are required.
  9. Strength of each concrete mixture will be satisfactory if every average of any three consecutive compressive-strength tests equals or exceeds specified compressive strength and no compressive-strength test value falls below specified compressive strength.
  10. Test results shall be reported in writing to Architect, concrete manufacturer, and Contractor within 48 hours of testing. Reports of compressive-strength tests shall contain Project identification name and number, date of concrete placement, name of concrete testing and inspecting agency, location of concrete batch in Work, design compressive strength at 28

days, concrete mixture proportions and materials, compressive breaking strength, and type of break for both 7- and 28-day tests.

11. Additional Tests: Testing and inspecting agency shall make additional tests of concrete when test results indicate that slump, air entrainment, compressive strengths, or other requirements have not been met, as directed by Architect. Testing and inspecting agency may conduct tests to determine adequacy of concrete by cored cylinders complying with ASTM C 42/C 42M or by other methods as directed by Architect.
  12. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
  13. Correct deficiencies in the Work that test reports and inspections indicate do not comply with the Contract Documents.
- E. Measure floor and slab flatness and levelness according to ASTM E 1155 (ASTM E 1155M).

END OF SECTION 03 30 00

*THIS PAGE INTENTIONALLY LEFT BLANK.*

SECTION 05 12 00 - STRUCTURAL STEEL

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes: Furnish and Installation of structural framing members, complete in place with required bracing, weld washers, nuts, shims, anchor bolts, and baseplates as indicated on the Drawings and specified herein.
- B. Related Sections: Miscellaneous metals, refer to Section 055000

1.2 REFERENCE STANDARDS

- A. Refer to the following for information regarding materials and installation methods necessary:
  - 1. California Building Code (CBC), Chapters 22A and 35, as adopted by Title 24, and Chapter 7, Section 704 Protection of Structural Members.
    - a. Refer to Drawings for details, design numbers, and ratings.
  - 2. On-Site Welding Requirements, Title 24, Part 9, Chapter 35.
  - 3. American Society for Testing and Materials: Specifications A36, A123, A307, A370, A501, A572 and A992.
  - 4. American Institute of Steel Construction (AISC).
  - 5. American Welding Society: AWS D1.1 and AWS D1.4
  - 6. Steel Structures Painting Council (SSPC).

1.3 SUBMITTALS

- A. Submit Shop and Erection Drawings Prior to Fabrication: Prepare erection drawings by State registered Structural Engineer. Show welded connections, lengths of welds, profiles, sizes, spacing and locations of members, attachments, anchorages, framed openings, size and type of fasteners, cambers and live loads. Contractor shall be responsible for reviewing and verifying all dimensions on shop Drawings.
  - 1. Splices and Deviations: Splices will be permitted only where and as shown on Drawings. Deviations from design drawings desired or required by fabricator are to be indicated on shop drawings by providing a heavy line around the feature on which deviation approval is being requested, showing complete detail and describing deviation proposed. Provide detail with a note specifically requesting approval of deviation by fabricator. Deviations or changes shall not be made without the approval of the Division of the State Architect, as a Change Order.
    - a. Refer to Section 01300, Submittals, Paragraph 3.04A.2. (Revisions) Cost of such changes shall be borne by the Contractor.
- B. Erection and Bracing Plan and Procedure: Refer to Section 1710, Title 8, California Code of Regulations. Employ a California State licensed Civil Engineer to prepare erection and bracing plan and erection procedure for structural steel including columns, beams, and girders, who

will be responsible for compliance. Follow plan and procedure exactly. Maintain a copy at project site. Pay for costs involved.

- C. Scrap collection and recycling plan: Contractor shall prepare and submit a scrap collection and recycling plan for all miscellaneous and structural steel.

#### 1.4 QUALITY ASSURANCE

- A. Tests and Inspections: Testing for steel shall be done in accordance with Title 24, Part 2, Section 1704A.2. Inspections shall be in accordance with Title 24, Part 2, Section 1705A.
- B. If structural steel can be identified by heat or melt numbers and is accompanied by mill analysis and test reports (identified stock shall not be tested), testing shall be in accordance with Title 24, Part 2, Sections 1705A.2 & 2203A.1
- C. If structural steel cannot be identified or its source is questionable, make not less than one tension and one bend test for each 5 tons or fraction thereof. Also, it shall be tested to meet minimum chemical and mechanical requirements of the ASTM standard appropriate for the steel specified for the structure, per Title 24, Part 2, Section 1705A.2 & 2203A.1
- D. Furnish test specimens from steel fabricator and take them under the direction of the Testing Agency. Machine each test specimen by Testing Agency to dimensions required by ASTM A370.
- E. Have testing agency pick up test specimens and make required tests.
- F. Costs of tests of identified stock will be paid for by Owner, unless tests fail to comply with the specifications, in which case the Owner will pay for testing, but backcharge the Contractor.
- G. Complete a 4-sided inspection of steel. Such inspection shall be paid for by the Owner. The Inspector of structural steel which is not fabricated within 25 miles of the project site, shall also be paid for by the Owner, but the Contractor shall pay for travel expenses.
- H. After fabrication and inspection, costs associated with re-inspection of defective or replaced materials shall be paid for by the Owner, but backcharged to the Contractor.
- I. Provide labor, equipment and facilities necessary for moving and handling materials to be inspected.
- J. Provide and pay for supervision by a registered Inspector of welding operations of frames with joints, including inspection for quality, penetration, and conformity of Drawings, and a report verifying that welding is adequate and was done in conformity of project requirements.
  - 1. Visually inspect welds, and have inspector present to approve welding and high strength bolting whether performed in fabricator's shop or at project site, and inspect erection. Ensure testing laboratory compliance with regulations of the Division of the State Architect and certify in writing, upon completion of work, that welding and high strength bolting has been performed in accordance with Drawings and these Specifications. Inspect grouting of column base plates.
  - 2. Inspect all complete penetration welds and partial penetration welds by ultrasonic or other approved nondestructive tests. Inspect first pass of multi-pass welds and groove

welds.

3. Perform ultrasonic testing by specially trained, qualified technicians who operate equipment, examine welds and maintain a record of welds examined, defects found and disposition of each defect. Repair defective welds and retest.
  4. Ultrasonically test welds at rate of 100 percent to establish welder qualifications. If rejectable defect rate is less than 5 percent, frequency may be reduced to 25 percent. If rate increases above 5 percent, continue 100 percent testing until rejectable defect rate again drops below 5 percent. Calculate percentages by individual welder.
  5. Submit all preliminary, working and final documents required by subsection 1.4K.
  6. Inspect all seam welds at HSS steel member.
- K. Comply with California Building Code (CBC) Title 24, Part 2, Section 1704A.3.
- L. Results of tests, together with identified copies of the Mill Analysis and inspection reports shall be submitted to the Division of the State Architect, and to the Architect and Structural Engineer. Arrange for continuous inspection of Shop and field welding in accordance with Title 24, Part 2 Section 1705A.2.5 AND Table 1705A.2.1

#### 1.5 PROJECT CONDITIONS

- A. Verify measurements, lines, grades, locations and details at project site. Conform to existing field conditions.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS AND COMPONENTS

- A. Structural Steel Members : Shall conform to the requirements of ASTM A6 and shall be fabricated according to AISC Practice and Specifications for Building.
- B. Structural plates, bars, etc., shall conform to ASTM 36 and ASTM 572. Structural wide flange beams and columns shall conform to ASTM A992, Grade 50.
- C. Pipe columns shall conform to ASTM A53, Grade B
- D. Tube members shall conform to ASTM A500, Grade B.
- E. All welding shall be done using the shielded electric arc process by AWS certified welders using AWS D 5.1, E70XX electrodes.
- F. All welds used in primary members and connections in the lateral force systems shall be made with a filler metal that has a minimum Charpy V-notch toughness of 20 ft.-lbs. at minus 20 degrees F., as determined by AWS classification.
- G. Continuous inspection is required for all field and shop welding by an Inspector approved by the Division of the State Architect.
- H. Bolts shall conform to ASTM A325, unless noted otherwise.

- I. Structural Steel Shop Drawings shall be reviewed by the Structural Engineer prior to fabrication.
- J. Light gauge steel members shall conform to ASTM A446, Grade A.
- K. Recycled Content – Provide products with an average recycled content of steel so postconsumer recycled content plus one-half of postconsumer content is not less than 50%

## 2.2 LIGHT STRUCTURAL STEEL

- A. Standard specifications for Hot-Formed Welded and seamless Carbon Steel Structural Tubing, ASTM A500 Grade B.

## 2.3 WELDING ELECTRODES

- A. Conform to AWS, Latest Edition, AWS D1.1.

## 2.4 GALVANIZING

Galvanize all structural steel exposed to weather, unless otherwise noted on plans.

- A. Provide hot-dip galvanizing in accordance with ASTM A123, Grade 90.
- B. Field Galvanizing: Provide ZRC, or other approved.

## 2.5 PRIMER

- A. Exterior Primer - Provide Tnemec 10-99, a zinc-chromate, or other approved. Primer shall have a VOC content of 100 g/l (0.83 lb/gal) or less when calculated according to 40 CRF 59, Subpart D (EPA method 24).
- B. Interior Primer – Provide interior primer 734149X red oxide by Rodda Co., or equal. Primer shall have a VOC content of 100 g/l (0.83 lb/gal) or less when calculated according to 40 CRF 59, Subpart D (EPA method 24).
- C. Clean, prepare and shop prime exterior members in accordance with SSPC-Paint 20 or SSPC-Paint 29 and compatible with top coats indicated on plans. Do not prime specific surfaces to be welded or which will be in direct contact with concrete or other cementitious materials.
- D. Clean, prepare and shop prime interior members in accordance with SSPC-Paint 23 and compatible with top coats indicated on plans. Do not prime specific surfaces to be welded or which will be in direct contact with concrete or other cementitious materials.

## 2.6 WELDED STUDS

- A. All welded studs shall be Nelson shear connector studs (ICC ER-2614) or equal.
- B. See Drawings for welded stud locations.

## PART 3 - EXECUTION



### 3.1 EXAMINATION

- A. Surface Conditions: Prior to commencing work of this section, inspect the work of others and verify that such work has been properly completed and installed to allow for proper installation of materials and methods required of this section.

### 3.2 FABRICATION AND ERECTION

- A. Fabricate and assemble work by skilled workers using sizes and weights shown. Connections are to develop at least strengths shown, unless approved otherwise beforehand. Allow no splices except where shown.
  - 1. Ultrasonic material inspection - ultrasonically test column materials thicker than 1-1/2 inch for laminations within 1 foot (6 inches either side) of a direct groove weld from girder flange connections and column splices.
- B. Drilling, Punching and Reaming: Hole burning to make or enlarge previous holes is not allowed. Prepare required holes in structural steel members for attachment or passage of work of other trades. Where allowed, steel may be punched 1/16-inch larger than the nominal diameter of the bolt when thickness of the steel is equal to or less than the diameter of the bolt plus 1/8-inch. Where the steel is thicker than the diameter of the bolt plus 1/8-inch, the holes must be drilled or sub-punched and reamed. Diameter of the sub-punched holes, and the drill for sub-drilled holes, is to be 1/16-inch smaller than the nominal diameter of bolt to be installed. Precisely locate finished holes to ensure passage of bolts through steel assemblies without drifting. Enlarge holes only by reaming. Poor matching of holes is cause for rejection of work.
- C. Welding: Comply with the requirements of Title 24, Part 2, Sections 1704A.2 and 1705A.2.5. Perform welding by the electric shielded arc process. Cut out defective welds with a chisel. Clamp or hold materials securely in position for welding. Upon completion, remove slag and clean welds for inspections and painting. Groove and multi-pass welds are required to be continuously inspected.
  - 1. Storage and Care of Electrodes: Ensure that coatings of low hydrogen type electrodes are thoroughly dry when used. Use electrodes taken from hermetically sealed packages within four hours of the time the package is opened. Electrodes not used within this time period, and electrodes which have been exposed more than one hour to air having a relative humidity of 75 percent or greater, are to be dried for at least two (2) hours at 200 to 250 degrees F. before used, or are to be reconditioned according to manufacturer's printed recommendations. Electrodes dried or reconditioned, which are not used within four hours after drying is completed, are to be re-dried before use. Electrodes of any classifications that have been wet are not to be used under any conditions.
  - 2. Preparation: Clean surfaces to be welded of paint, grease, scale, and foreign matter. Clean welds each time electrode is changed. Chip entire area of hand guided and controlled flame cut edges before welds are deposited. In general, surfaces made by automatic or mechanically guided and controlled equipment need not be ground or chipped before welded.
  - 3. Procedures: During assembling and welding, hold components of a built-up

member with sufficient clamps or other adequate means to keep parts straight and in close contact. Do no welding in wind until adequate protective screening has been set up.

4. Characteristics of Welds: After being deposited, brush welds and ensure they exhibit uniform section, smoothness of weld metal, feather edges without undercuts or overlays, and freedom from porosity and clinkers. Ensure through visual inspection at edges and ends of fillet welds there is good fusion and penetration into base metal.

D. Bolting:

1. Common Bolts: Make connections with common bolts only where indicated.
2. Erector to touch-up all welds and bolts after inspection.

E. Erection:

1. Erect structural steel by professional riggers, using proper hoists and equipment, carefully planned and laid out so that cutting shall not be necessary. Erect the work plumb, square and true to line. Provide temporary bracing and guys where necessary to provide for loads and stresses to which the structure may be subjected, including those due to erection equipment and its operation, and leave in place as long as necessary to safeguard parts of the work.
2. Temporary Connections: Securely bolt work to maintain the steel in proper position while bolting and welding is being performed. Align, plumb and level work prior to welding and final bolting.
3. Set column base plates in exact position as to alignment, level and elevation and support on steel wedges or equivalent until grout has properly set. Center of each base is to be true to the column center within 1/16-inch and adjusted to its elevation to 1/32-inch. Exactly level plates on both axes.
4. Sequence: Carry out the erection of steel in the proper sequence with the work of others. Frame, bed and anchor to concrete and related work in accordance with detailed drawings and setting diagrams.
5. Erection Tolerance: Follow AISC except as follows:
  - a. Vertical dimensions measured from top of beams at their connections at any one column, not varying more than 1/4-inch plus or minus per story or, when accumulative from floor to floor, not exceeding 3/8-inch per story exclusive of column shortening due to dead load.
  - b. Floor level is considered level if floor framing members on any one floor measured from top of column connections do not vary by more than 1-1/2 inch plus or minus.
  - c. Plumb displacement center line of columns from established column line, no more than 1 inch toward or away from established center line.

- d. Horizontal dimension variances governed by column displacement.
- 6. Perform erection with suitable equipment, of adequate capacity and design with due regard for personnel and public safety and as not to deflect or stress members beyond reasonable limits. Maintain erection and temporary bracing plan at project site in accordance with Title 8, California Code of Regulations.
- 7. Damaged Members During Erection: Straighten or replace members which are bent, twisted or damaged as directed. If heating is required in straightening, perform heating by methods which ensure uniform temperatures throughout entire member. When directed, remove members which are damaged to an extent impairing their appearance, strength or serviceability and replace with new members at no additional cost to Owner.
- 8. Anchor Bolts: Provide with setting drawings and instructions. Verify position of bolts prior to delivery of steel; report errors or deviations for adjustment.
- F. Erection Bracing: Provide erection bracing immediately upon erection of members and leave in place until members are braced by balance of building.

### 3.3 PROTECTION

- A. Protection of Floors and Temporary Flooring:
  - 1. Exercise caution to protect floor surfaces and adjacent work from damages. Do not overload floors. Provide only pneumatic mobile equipment with tires, for moving steel. Do not place steel members directly on concrete floors. Pads, timbers, or other materials for cushioning shall be used.
  - 2. Provide necessary planking, scaffolding and temporary flooring in connection with erection of steel or support of erection machinery as part of the work. Conform use of temporary floors or steel deck to governing codes and regulations.
  - 3. Temporarily tack weld steel deck to supports where used as a working platform. Distribute concentrated loads from welding machines or other heavy machinery by planking or other equivalent means. Replace steel deck damaged in using as working platform at no additional cost to Owner.

### 3.4 CLEANING

- A. Shop Priming:
  - 1. Clean surfaces according to SSPC and AISC recommendations, and apply specified primer to minimum 1.0 dry mil thickness. Ensure that primer is worked into joints.
  - 2. Steel to be embedded into cementitious materials, permanently concealed steel surfaces, contact surfaces of high-strength bolted connections, and surfaces to receive fireproofing are not to be primed.

END OF SECTION 05 12 00

*THIS PAGE INTENTIOANLLY LEFT BLANK.*

SECTION 05 30 00 - METAL DECKING

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes:

1. Roof metal decking.
2. Edge strips, closure strips and decking accessories.

B. Related Requirements:

1. Division 01 - General Requirements.
2. Section 05 12 00 - Structural Steel Framing.
3. Section 07 62 00 - Flashing and Sheet Metal.

1.02 REFERENCES

A. ASTM International (ASTM):

1. ASTM A108 – Standard Specification for Steel Bar, Carbon and Alloy, Cold-Finished.
2. ASTM A653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
3. ASTM A780 – Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings.
4. ASTM D746 - Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact.
5. ASTM D1056 - Standard Specification for Flexible Cellular Materials—Sponge or Expanded Rubber.

B. American Welding Society (AWS):

1. AWS D1.1 - Structural Welding Code Sheet – Steel.
2. AWS D1.3 – Structural Welding Code Sheet – Sheet Steel.

C. American Iron and Steel Construction (AISI):

1. AISI – Specifications for the Design of Cold-Formed Steel Structural Members.

D. Underwriters Laboratory (UL):

1. UL – Fire Resistance Directory.

#### 1.03 PERFORMANCE REQUIREMENTS

- A. Compute properties of deck sections on basis of effective design width as limited by provisions of the AISI specifications. Provide no less than deck section properties specified, including section modulus and moment of inertia per foot of width.
- B. Regulatory Requirements:
  1. Decking installed as part of a fire rated assembly shall meet the requirements of the applicable UL Fire Resistance Directory design number.
  2. Work of this section shall be in accordance with CBC.

#### 1.04 SUBMITTALS

- A. Shop Drawings: Drawings, sections and details indicate type of decking, location, finish, gage of metal, arrangement of sheets, necessary fabrication to incorporate decking into the Work, and relationship to openings and flashing.
- B. Product Data: For each type of decking specified, including structural properties, dimensions, profiles and finishes.
- C. Welder Certificates: Signed by CONTRACTOR certifying that welders comply with the requirements specified under Article "Quality Assurance".

#### 1.05 QUALITY ASSURANCE

- A. General: Metal decking steel shall conform to requirements of strengths and properties of standards specified.
- B. Qualifications of Welders: Properly certified for the type of Work involved in compliance with CBC requirements.
- C. Continuous inspection of welding will be performed by a special inspector, approved by DSA to inspect the Work of this section. Refer to Section 01 4523 - Testing and Inspection. The Project Inspector will be responsible for monitoring the work of the special inspector to ensure that the inspection program is satisfactorily completed.
- D. Identification of metal decking steel shall conform to the standards specified in this section and the Drawings.
  1. Fabricator shall furnish sufficient evidence to the ARCHITECT attesting compliance with specified requirements.
  2. Conform to CBC requirements. Unclassified or unidentified decking is not permitted. Furnish deck manufacturer's certified mill analyses and test reports for each heat covering decking having a minimum  $F_y$  of 33 Ksi. In addition, for decking having  $F_y$  greater than 33 Ksi, testing laboratory shall perform one tension and elongation test and one bend or flattening test for each gage.

- E. Unidentifiable Steel: Steel which is not readily identifiable as to grade from markings and test records is not permitted to be provided as part of the Work of this section.
- F. Manufacturers shall be members of Steel Deck Institute (SDI).

1.06 DELIVERY, STORAGE AND HANDLING

- A. Protect steel deck from corrosion, deformation and other damage during delivery, storage and handling.
- B. Deck bundles shall be stored off the ground, with one end elevated to provide drainage. Bundles shall be protected against condensation with a ventilated waterproof covering.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. ASC Steel Deck.
- B. Verco Manufacturing Co.
- C. Epic Metals Corporation.
- D. Equal.

2.02 MATERIALS

- A. Metal Decking:
  - 1. Roll-formed sheets conforming to ASTM A653, with G90 zinc coating.
  - 2. Section properties conforming to applicable provisions of latest edition of AISI - Specification for the Design of Cold-Formed Steel Structural Members.
- B. Flexible Closure Strips for Deck: Vulcanized, closed-cell, expanded chloroprene elastomer, complying with ASTM D1056, Grade SCE #41.
  - 1. Brittleness Temperature: Minus 40 degrees F, ASTM D746.
  - 2. Flammability Resistance: Self-extinguishing.
- C. Decking Accessories: Metal cover plates, sheet metal edging, metal closure strips, valley and ridge strips, seat angles, sump pans, flashings: 22 gage minimum, with ASTM A653, G90 zinc coating.
- D. Galvanizing Repair Paint: Mil. Spec. MIL-P-21035B and approved by the OWNER's Office of Environmental Health and Safety (OEHS).

2.03 FABRICATION

- A. Corrugated sheets or sections shall be designed to support required live load between supporting members.

- B. Provide decking in lengths to span over two or more supports.
- C. Except as detailed otherwise, provide decking with interlocking side laps, 2 ½-inch minimum end bearing, and 1 ½-inch minimum side bearing.
- D. Welding: Provide materials and methods in accordance with recommendations of steel decking manufacturer and reviewed submittals. Hold decking tight to the supporting elements with screws or other means for proper welding or crimping of the decking edges. Conform to AWS D1.3, and to the patterns and weld types indicated, with welds free from sharp edges and protrusions. Field coat welds and abraded surfaces at completion with an anodic type galvanizing repair paint. Omit the field paint coating where welds or abrasions are covered by concrete fill or sprayed fireproofing.

### PART 3 - EXECUTION

#### 3.01 EXAMINATION

- A. Verify supporting structure and existing conditions prior to starting work.
- B. Remove oil, dirt, paint, and rust from steel surfaces to which metal decking will be welded.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

#### 3.02 OPENINGS

- A. Cut and reinforce units to provide openings which are located and dimensioned on the structural and mechanical Drawings.
- B. Provide openings, or other Work not indicated on the Drawings.

#### 3.03 INSTALLATION

- A. Install metal decking in accordance with decking manufacturers' recommendations, requirements of Drawings, Shop Drawings, and Specifications.
- B. Install metal decking on supporting steel framework and adjust to final position before permanently fastening in place.
  - 1. Install each unit to proper bearing on supports.
  - 2. Install units in straight alignment for entire length of run of cells with close registration of cells of one unit with those of abutting unit.
- C. Fasten decking to steel framework at ends of units and at intermediate supports. Welding shall be as indicated on Drawings.
- D. Fasten side laps between supports as indicated on Drawings.
- E. Perform field cutting parallel with cells in area between cells, leaving sufficient horizontal material to permit welding to support steel.



3.04 METAL FLASHINGS AND CLOSURES

- A. Furnish, install, and weld in position, sheet metal closure flashing, closure angles, closure plates, profile plates, and shear plates.
- B. Close open ends of cell runs at columns, openings, walls, similar interruptions and termination.

3.05 FIELD QUALITY CONTROL

- A. Install steel decking under continuous inspection according to CBC Section 1704A.
- B. Welding inspection for steel deck diaphragms shall conform to CBC Section 2204A.1.

3.06 CLEAN UP

- A. Remove rubbish, debris, and waste materials and legally dispose of off the Project site.

3.07 PROTECTION

- A. Protect the Work of this section until Substantial Completion.

END OF SECTION 05 30 00

*THIS PAGE INTENTIONALLY LEFT BLANK.*

SECTION 05 50 00 - METAL FABRICATIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
  - 1. Steel framing and supports for mechanical and electrical equipment.
  - 2. Steel framing and supports for applications where framing and supports are not specified in other Sections.
  - 3. Code requirements per CBC Section 11B-505.
- B. Products furnished, but not installed, under this Section include the following:
  - 1. Anchor bolts, steel pipe sleeves, slotted-channel inserts, and wedge-type inserts indicated to be cast into concrete or built into unit masonry.
- C. Related Requirements:
  - 1. Section 03 30 00 "Cast-in-Place Concrete" for installing anchor bolts, steel pipe sleeves, slotted-channel inserts, wedge-type inserts, and other items cast into concrete.

1.3 COORDINATION

- A. Coordinate selection of shop primers with topcoats to be applied over them. Comply with paint and coating manufacturers' written recommendations to ensure that shop primers and topcoats are compatible with one another.
- B. Coordinate installation of metal fabrications that are anchored to or that receive other work. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.

1.4 ACTION SUBMITTALS

- A. Shop Drawings: Show fabrication and installation details. Include plans, elevations, sections, and details of metal fabrications and their connections. Show anchorage and accessory items. Provide Shop Drawings for the following:

1. Steel framing and supports for mechanical and electrical equipment.
2. Steel framing and supports for applications where framing and supports are not specified in other Sections.

#### 1.5 FIELD CONDITIONS

- A. Field Measurements: Verify actual locations of walls and other construction contiguous with metal fabrications by field measurements before fabrication.

### PART 2 - PRODUCTS

#### 2.1 PERFORMANCE REQUIREMENTS

- A. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes acting on exterior metal fabrications by preventing buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects.
  1. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

#### 2.2 ACCESSIBILITY REQUIREMENTS

- A. Comply with applicable provisions in the 2022 CBC Chapter 11B-505-Handrails.
- B. Handrails:
  1. Orientation: The orientation of at least one handrail shall be in the direction of the stair run, perpendicular to the direction of the stair nosing and shall not reduce the minimum required width of the stair per 11B-505.2.1.
  2. Height: Top of gripping surfaces of handrails shall be 34 inches (864 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces per CBC Section 11B-505.4 and CBC Figure 11B-505.4.
  3. Clearance: Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2 inches (38 mm) minimum. Handrails may be located in a recess if the recess is 3 inches (76 mm) maximum deep and 18 inches (457 mm) minimum clear above the top of the handrail per CBC Section 11B-505.5 and CBC Figure 11B-505.5 and CBC Figure 11B-505.5.
  4. Gripping Surface: Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1-1/2 inches (38 mm) minimum below the bottom of the handrail gripping surface per CBC Section 11B-505.6 and CBC Figure 11B-505.6.

- a. Exceptions:
  - 1) Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards.
  - 2) The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8 inch (3.2 mm) for each 1/2 inch (12.7 mm) of additional handrail perimeter dimension that exceeds 4 inches (102 mm).
- 5. Cross Section: Handrail gripping surfaces shall have a cross section complying with CBC Section 11B-505.7.1 or 11B-505.7.2 per CBC Section 11B-505.7.
  - a. Circular Cross Section: Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum per CBC Section 11B-505.7.1.
  - b. Non-Circular Cross Section: Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches (102 mm) minimum and 6-1/4 inches (159 mm) maximum, and a cross-section dimension of 2-1/4 inches (57 mm) maximum per CBC Section 11B-505.7.2 and CBC Figure 11B-505.7.2.
- 6. Surfaces: Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges per CBC Section 11B-505.8.
- 7. Fittings: Handrails shall not rotate within their fittings per CBC Section 11B-505.9.
- 8. Handrail Extensions: Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs per CBC Section 11B-505.10.
  - a. Exceptions:
    - 1) Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps.
    - 2) In assembly areas, extensions shall not be required for ramp handrails in aisles serving seating where the handrails are discontinuous to provide access to seating and to permit crossovers within aisles.
    - 3) In alterations, where the extension of the handrail in the direction of stair flight or ramp run would create a hazard, the extension of the handrail may be turned 90 degrees from the direction of the stair flight or ramp run.
  - b. Top and Bottom Extension at Ramps: Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run per CBC Section 11B-505.10.1.
  - c. Top Extension at Stairs: At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first

riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight per CBC Section 11B-505.10.2 and CBC Figure 11B-505.10.2.

- d. Bottom Extension at Stairs: At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance equal to one tread depth beyond the last riser nosing. The horizontal extension of a handrail shall be 12 inches (305 mm) long minimum and a height equal to that of the sloping portion of the handrail as measured above the stair nosings. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight per CBC Section 11B-505.10.3 and CBC Figure 11B-505.10.3.
9. Curb or Barrier: A curb, 2 inches (51mm) high minimum, or barrier shall be provided that prevents the passage of a 4 inch (102mm) diameter sphere, where any portion of the sphere is within 4 inches (102 mm) of the finish floor or ground surface. To prevent wheel entrapment, the curb or barrier shall provide a continuous and uninterrupted barrier along the length of the ramp, per CBC 11B-405.9.2.

## 2.3 METALS

- A. Metal Surfaces, General: Provide materials with smooth, flat surfaces unless otherwise indicated. For metal fabrications exposed to view in the completed Work, provide materials without seam marks, roller marks, rolled trade names, or blemishes.
- B. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.
- C. Steel Tubing: ASTM A 500/A 500M, cold-formed steel tubing.
- D. Steel Pipe: ASTM A 53/A 53M, Standard Weight (Schedule 40) unless otherwise indicated.
- E. Slotted Channel Framing: Cold-formed metal box channels (struts) complying with MFMA-4.
  1. Size of Channels: 1-5/8 by 1-5/8 inches (41 by 41 mm) unless otherwise indicated.
  2. Material: Provide one of the following:
    - a. Galvanized steel, ASTM A 653/A 653M, structural steel, Grade 33 (Grade 230), with G90 (Z275) coating; not less than 0.079 inch (2 mm) thick, 14 gage.
    - b. Cold-rolled steel, ASTM A 1008/A 1008M, structural steel, Grade 33 (Grade 230); not less than 0.0677 inch (1.7 mm) thick, 14 gage; hot-dip galvanized after fabrication.

## 2.4 FASTENERS

- A. General: Unless otherwise indicated, provide Type 304 stainless-steel fasteners for exterior use and zinc-plated fasteners with coating complying with ASTM B 633 or ASTM F 1941 (ASTM F 1941M), Class Fe/Zn 5, at exterior walls. Select fasteners for type, grade, and class required.
  1. Anchors and fasteners to have an ICC-ES report when specifically noted.

- B. Steel Bolts and Nuts: Regular hexagon-head bolts, ASTM A 307, Grade A (ASTM F 568M, Property Class 4.6); with hex nuts, ASTM A 563 (ASTM A 563M); and, where indicated, flat washers.
- C. Stainless-Steel Bolts and Nuts: Regular hexagon-head annealed stainless-steel bolts, ASTM F 593 (ASTM F 738M); with hex nuts, ASTM F 594 (ASTM F 836M); and, where indicated, flat washers; Alloy Group 1 (A1).
- D. Anchor Bolts: ASTM F 1554, Grade 36, of dimensions indicated; with nuts, ASTM A 563 (ASTM A 563M); and, where indicated, flat washers.
  - 1. Hot-dip galvanize or provide mechanically deposited, zinc coating where item being fastened is indicated to be galvanized.
- E. Anchors, General: Anchors capable of sustaining, without failure, a load equal to six times the load imposed when installed in unit masonry and four times the load imposed when installed in concrete, as determined by testing according to ASTM E 488/E 488M, conducted by a qualified independent testing agency.
- F. Cast-in-Place Anchors in Concrete: Either threaded type or wedge type unless otherwise indicated; galvanized ferrous castings, either ASTM A 47/A 47M malleable iron or ASTM A 27/A 27M cast steel. Provide bolts, washers, and shims as needed, all hot-dip galvanized per ASTM F 2329.
- G. Post-Installed Anchors: Torque-controlled expansion anchors.
  - 1. Material for Interior Locations: Carbon-steel components zinc plated to comply with ASTM B 633 or ASTM F 1941 (ASTM F 1941M), Class Fe/Zn 5, unless otherwise indicated.
  - 2. Material for Exterior Locations and Where Stainless Steel Is Indicated: Alloy Group 1 (A1) stainless-steel bolts, ASTM F 593 (ASTM F 738M), and nuts, ASTM F 594 (ASTM F 836M).
- H. Slotted-Channel Inserts: Cold-formed, hot-dip galvanized-steel box channels (struts) complying with MFMA-4, 1-5/8 by 7/8 inches (41 by 22 mm) by length indicated with anchor straps or studs not less than 3 inches (75 mm) long at not more than 8 inches (200 mm) o.c. Provide with temporary filler and tee-head bolts, complete with washers and nuts, all zinc-plated to comply with ASTM B 633, Class Fe/Zn 5, as needed for fastening to inserts.

## 2.5 MISCELLANEOUS MATERIALS

- A. Epoxy Zinc-Rich Primer:
  - 1. Basis-of-Design Product: Subject to compliance with requirements, provide Tnemec Company, Inc.; Tneme-Zinc 90-97, or comparable product by another manufacturer.
    - a. Apply at a dry film thickness of not less than 2.5 to 3.5 mils (0.0635 to 0.0889 mm).
- B. Galvanizing Repair Paint: High-zinc-dust-content paint complying with SSPC-Paint 20 and compatible with paints specified to be used over it.

- C. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107/C 1107M. Provide grout specifically recommended by manufacturer for interior and exterior applications.

2.6 FABRICATION, GENERAL

- A. Shop Assembly: Preassemble items in the shop to greatest extent possible. Disassemble units only as necessary for shipping and handling limitations. Use connections that maintain structural value of joined pieces. Clearly mark units for reassembly and coordinated installation.
- B. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch (1 mm) unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.
- C. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.
- D. Form exposed work with accurate angles and surfaces and straight edges.
- E. Weld corners and seams continuously to comply with the following:
  - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
  - 2. Obtain fusion without undercut or overlap.
  - 3. Remove welding flux immediately.
  - 4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.
- F. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners or welds where possible. Where exposed fasteners are required, use Phillips flat-head (countersunk) fasteners unless otherwise indicated. Locate joints where least conspicuous.
  - 1. Fasteners shall have vandal resistant heads or damaged threads in non-secure areas.
- G. Fabricate seams and other connections that are exposed to weather in a manner to exclude water. Provide weep holes where water may accumulate.
- H. Cut, reinforce, drill, and tap metal fabrications as indicated to receive finish hardware, screws, and similar items.
- I. Provide for anchorage of type indicated; coordinate with supporting structure. Space anchoring devices to secure metal fabrications rigidly in place and to support indicated loads.
- J. Where units are indicated to be cast into concrete or built into masonry, equip with integrally welded steel strap anchors, not less than 1/8 by 1-1/2 inches (3.2 by 38 mm), with not less than 6 inch (150 mm) embedment and 2 inch (50 mm) hook, not less than 8 inches (200 mm) from ends and corners of units and 24 inches (600 mm) o.c., unless otherwise indicated.



2.7 MISCELLANEOUS FRAMING AND SUPPORTS

- A. General: Provide steel framing and supports not specified in other Sections as needed to complete the Work.
- B. Fabricate units from steel shapes, plates, and bars of welded construction unless otherwise indicated. Fabricate to sizes, shapes, and profiles indicated and as necessary to receive adjacent construction.
  - 1. Fabricate units from slotted channel framing where indicated.
  - 2. Furnish inserts for units installed after concrete is placed.
- C. Galvanize miscellaneous framing and supports after fabrication where indicated.
- D. Prime miscellaneous framing and supports with zinc-rich primer unless otherwise indicated.

2.8 LOOSE BEARING AND LEVELING PLATES

- A. Provide loose bearing and leveling plates for steel items bearing on masonry or concrete construction. Drill plates to receive anchor bolts and for grouting.
- B. Galvanize plates unless otherwise indicated.

2.9 FINISHES, GENERAL

- A. Finish metal fabrications after assembly.
- B. Finish exposed surfaces to remove tool and die marks and stretch lines, and to blend into surrounding surface.

2.10 STEEL AND IRON FINISHES

- A. Galvanizing: Hot-dip galvanize items as indicated to comply with ASTM A 153/A 153M for steel and iron hardware and with ASTM A 123/A 123M for other steel and iron products.
  - 1. Do not quench or apply post galvanizing treatments that might interfere with paint adhesion.
- B. Shop prime iron and steel items not indicated to be galvanized unless they are to be embedded in concrete, sprayed-on fireproofing, or masonry, unless otherwise indicated.
- C. Preparation for Shop Priming: Prepare surfaces to comply with SSPC-SP 6/NACE No. 3, "Commercial Blast Cleaning."
- D. Shop Priming: Apply shop primer to comply with SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel," for shop painting.
  - 1. Stripe paint corners, crevices, bolts, welds, and sharp edges.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing metal fabrications. Set metal fabrications accurately in location, alignment, and elevation; with edges and surfaces level, plumb, true, and free of rack; and measured from established lines and levels.
  - 1. Do not cut, notch, bore, or alter structural members unless specifically shown on DSA approved Construction Documents or after review and approval by Structural Engineer of record and DSA.
- B. Fit exposed connections accurately together to form hairline joints. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations. Do not weld, cut, or abrade surfaces of exterior units that have been hot-dip galvanized after fabrication and are for bolted or screwed field connections.
- C. Field Welding: Comply with information shown on DSA approved Construction Documents and the following requirements:
  - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
  - 2. Obtain fusion without undercut or overlap.
  - 3. Remove welding flux immediately.
  - 4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.
- D. Fastening to In-Place Construction: Provide anchorage devices and fasteners where metal fabrications are required to be fastened to in-place construction. Provide threaded fasteners for use with concrete and masonry inserts, toggle bolts, through bolts, lag screws, wood screws, and other connectors.
- E. Provide temporary bracing or anchors in formwork for items that are to be built into concrete, masonry, or similar construction.

3.2 INSTALLING MISCELLANEOUS FRAMING AND SUPPORTS

- A. General: Install framing and supports to comply with requirements of items being supported, including manufacturers' written instructions and requirements indicated on Shop Drawings.

3.3 INSTALLING BEARING AND LEVELING PLATES

- A. Clean concrete and masonry bearing surfaces of bond-reducing materials, and roughen to improve bond to surfaces. Clean bottom surface of plates.

- B. Set bearing and leveling plates on wedges, shims, or leveling nuts. After bearing members have been positioned and plumbed, tighten anchor bolts. Do not remove wedges or shims but, if protruding, cut off flush with edge of bearing plate before packing with nonshrink grout. Pack grout solidly between bearing surfaces and plates to ensure that no voids remain.

#### 3.4 ADJUSTING AND CLEANING

- A. Touchup Painting: Immediately after erection, clean field welds, bolted connections, and abraded areas. Paint uncoated and abraded areas with the same material as used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.
  - 1. Apply by brush or spray to provide not less than 2.0 mil (0.05 mm) dry film thickness.
- B. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A 780/A 780M.

END OF SECTION 05 50 00

*THIS PAGE INTENTIOANLLY LEFT BLANK.*

SECTION 07 62 00 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to work of this Section.

1.2 SUMMARY

- A. This Section includes the following:
  - 1. Metal counter flashing.
  - 2. Miscellaneous sheet metal accessories.
- B. Related Sections:
  - 1. Section 07 90 10 - Joint Sealants

1.3 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- B. Product data, Flashing, Sheet Metal, and Accessories: Manufacturer's technical product data, installation instructions and general recommendations for each specified sheet material and fabricated product.
- C. Shop drawings showing layout, profiles, methods of joining, and anchorages details, including major counterflashings, trim/fascia units, gutters, downspouts, scuppers, and expansion joint systems. Provide layouts at 1/4-inch scale and details at 3-inch scale.

1.4 PROJECT CONDITIONS

- A. Coordinate work of this section with interfacing and adjoining work for proper sequencing of each installation. Ensure best possible weather resistance and durability of work and protection of materials and finishes.

PART 2 - PRODUCTS

2.1 SHEET METAL FLASHING AND TRIM MATERIALS

- A. Zinc-Coated Steel: Commercial quality with 0.20 percent copper, ASTM A 526 except ASTM A 527 for lock-forming, G90 hot-dip galvanized, mill phosphatized where indicated for painting; 24 gage except as otherwise indicated.

- B. Fasteners: Same metal as flashing/sheet metal or other non-corrosive metal as recommended by sheet manufacturer. Match finish of exposed heads with material being fastened.
- C. Bituminous Coating: SSPC - Paint 12, solvent-type bituminous mastic, nominally free of sulfur, compounded for 15-mil dry film thickness per coat.
- D. Mastic Sealant: Polyisobutylene; non-hardening, non-skinning, non-drying, non-migrating sealant.
- E. Reglets: Metal or plastic units of type and profile indicated, compatible with flashing indicated, non-corrosive.
- F. Metal Accessories: Provide sheet metal clips, straps, anchoring devices, and similar accessory units as required for installation of work, matching or compatible with material being installed, non-corrosive, size and gage required for performance.
- G. Roofing Cement: ASTM D 2822, asphaltic.

## 2.2 FABRICATED UNITS

- A. General Metal Fabrication: Shop-fabricate work to greatest extent possible. Comply with details shown and with applicable requirements of SMACNA "Architectural Sheet Metal Manual" and other recognized industry practices. Fabricate for waterproof and weather-resistant performance, with expansion provisions for running work, sufficient to permanently prevent leakage, damage, or deterioration of the work. Form work to fit substrates. Comply with material manufacturer instructions and recommendations for forming material. Form exposed sheet metal work without excessive oil-canning, buckling, and tool marks, true to line and levels indicated, with exposed edges folded back to form hems.
- B. Seams: Fabricate nonmoving seams in sheet metal with flat-lock seams. For metal other than aluminum, tin edges to be seamed, form seams, and solder. Form aluminum seams with epoxy seam sealer; rivet joints for additional strength where required.
- C. Expansion Provisions: Where lapped or bayonet-type expansion provisions in work cannot be used or would not be sufficiently water/weatherproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with mastic sealant (concealed within joints).
- D. Sealant Joints: Where movable, non-expansion type joints are indicated or required for proper performance of work, form metal to provide for proper installation of elastomeric sealant, in compliance with SMACNA standards.
- E. Separations: Provide for separation of metal from non-compatible metal or corrosive substrates by coating concealed surfaces at locations of contact, with bituminous coating or other permanent separation as recommended by manufacturer/fabricator.
- F. Aluminum Extrusion Units: Fabricate extruded aluminum running units with formed or extruded aluminum joint covers for installation behind main members where possible. Fabricate mitered and welded corner units.

PART 3 - EXECUTION

3.1 INSTALLATION REQUIREMENTS

- A. General: Except as otherwise indicated, comply with manufacturer's installation instructions and recommendations and with SMACNA "Architectural Sheet Metal Manual." Anchor units of work securely in place by methods indicated, providing for thermal expansion of metal units; conceal fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently watertight and weatherproof.
- B. Underlayment: Where stainless steel or aluminum is to be installed directly on cementitious or wood substrates, install a slip sheet of red rosin paper and a course of polyethylene underlayment.
- C. Bed flanges of work in a thick coat of bituminous roofing cement where required for waterproof performance.
- D. Install reglets to receive counterflashing in manner and by methods indicated. Where shown in concrete, furnish reglets to trades of concrete work for installation as work of Division 3 sections. Where shown in masonry, furnish reglets to trades of masonry work, for installation as work of Division 4 sections.
- E. Install counterflashing in reglets, either by snap-in seal arrangement or by welding in place for anchorage and filling reglet with mastic or elastomeric sealant, as indicated and depending on degree of sealant exposure.
- F. Install elastic flashing in accordance with manufacturer's recommendations. Where required, provide for movement at joints by forming loops or bellows in width of flashing. Locate cover or filler strips at joints to facilitate complete drainage of water from flashing. Seam adjacent flashing sheets with adhesive, seal and anchor edges in accordance with manufacturer's recommendations
- G. Nail flanges of expansion joint units to curb nailers, at maximum spacing of 6 inches O.C. Fabricate seams at joints between units with minimum 3-inch overlap, to form a continuous, waterproof system.

3.2 CLEANING AND PROTECTION

- A. Clean exposed metal surfaces, removing substances that might cause corrosion of metal or deterioration of finishes.
- B. Protection: Advise Contractor of required procedures for surveillance and protection of flashings and sheet metal work during construction to ensure that work will be without damage or deterioration other than natural weathering at time of Substantial Completion.

END OF SECTION 07 62 00

*THIS PAGE INTENTIONALLY LEFT BLANK.*



SECTION 09 91 13 - EXTERIOR PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes surface preparation and the application of paint systems on exterior substrates.
  - 1. Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified in other Sections.
- B. Paint exposed surfaces, except where these Specifications indicate that the surface or material is not to be painted or is to remain natural. If an item or a surface is not specifically mentioned, paint the item or surface the same as similar adjacent materials or surfaces. If a color of finish is not indicated, Architect will select from standard colors and finishes available.
  - 1. Painting includes field painting of exposed bare and covered pipes and ducts (including color coding), hangers, exposed steel and iron supports, and surfaces of mechanical and electrical equipment that do not have a factory-applied final finish.
- C. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels.
  - 1. Labels: Do not paint over UL, FMG, or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.
- D. Related Requirements:
  - 1. Section 05 50 00 "Metal Fabrications" for shop priming metal fabrications.
  - 2. Section 09 91 23 "Interior Painting" for surface preparation and the application of paint systems on interior substrates.

1.3 DEFINITIONS

- A. Flat: Not more than 5 units at 60 degrees and 10 units at 85 degrees, according to ASTM D 523.
- B. Velvet: 5 to 10 units at 60 degrees and 10 to 15 units at 85 degrees, according to ASTM D 523.
- C. Eggshell: 10 to 15 units at 60 degrees and 15 to 30 units at 85 degrees, according to ASTM D 523.

- D. Low-Luster and Low-Sheen: 20 to 35 units at 60 degrees and not less than 35 units at 85 degrees, according to ASTM D 523.
- E. Semigloss: 35 to 70 units at 60 degrees, according to ASTM D 523.
- F. Gloss and Full Gloss: More than 75 units at 60 degrees, according to ASTM D 523.

#### 1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include preparation requirements and application instructions.
  - 1. Material List: An inclusive list of required coating materials. Indicate each material and cross-reference specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification. Use same designations indicated on Drawings and in schedules. Include color designations.
  - 2. Manufacturer's Information: Manufacturer's technical information, including label analysis and instructions for handling, storing, and applying each coating material.
    - a. VOC Content: Include VOC content for each product.

#### 1.5 CLOSEOUT SUBMITTALS

- A. Coating Maintenance Manual: Upon conclusion of the project, the Applicator, paint manufacturer, or paint supplier shall furnish a coating maintenance manual, such as Sherwin-Williams "Custodian Project Color and Product Information" or equal. Manual shall include:
  - 1. Product data pages for each product used.
  - 2. Material Safety Data Sheets (MSDS) for each product used.

#### 1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Paint: 5 percent, but not less than 1 gal. (3.8 L) of each material and color applied.
    - a. Provide extra materials in unopened 1 gal. (3.8 L) containers.

#### 1.7 QUALITY ASSURANCE

- A. Applicator Qualifications: A firm or individual experienced in applying paints and coatings similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to Project site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label and the following information:
1. Product name or title of material.
  2. Product description (generic classification or binder type).
  3. Manufacturer's stock number and date of manufacture.
  4. Contents by volume, for pigment and vehicle constituents.
  5. Thinning instructions.
  6. Application instructions.
  7. Color name and number.
  8. VOC content.
- B. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F (7 deg C).
1. Maintain containers in clean condition, free of foreign materials and residue.
  2. Remove rags and waste from storage areas daily.
  3. Store on shelves or wood pallets.

1.9 FIELD CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F (10 and 35 deg C).
- B. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers Names: Shortened versions (shown in parentheses) of the following manufacturers names are used in other Part 2 articles:
1. Behr Process Corporation (Behr).
  2. Dunn-Edwards Corporation (Dunn-Edwards).
  3. Frazee Paint/Comex Group (Frazee).
  4. Glidden Professional (Glidden).
  5. PPG Architectural Finishes, Inc. (PPG)
  6. Sherwin-Williams Company (The) (Sherwin-Williams).
  7. Vista Paint (Vista).
- B. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, products listed in other Part 2 articles for the paint category indicated.

- C. Source Limitations: Obtain block fillers and primers for each coating system from the same manufacturer as the finish coats.

## 2.2 SUSTAINABILITY REQUIREMENTS

- A. Comply with applicable provisions in the CGBC.
- B. Finish Material Pollutant Control: Finish materials shall comply with CGBC Sections 5.504.4.1 through 5.504.4.6 per CGBC Section 5.504.4.
  - 1. Paints and Coatings: Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in CGBC Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in CGBC Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat, or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36, and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat, or Nonflat-High Gloss VOC limit in CGBC Table 5.504.4.3 shall apply per CGBC Section 5.504.4.3.
- C. VOC Content: Paints and coatings applied at Project site, shall comply with the following VOC limits when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
  - 1. Flat Coatings: 50 g/L.
  - 2. Nonflat Coatings: 100 g/L.
  - 3. Nonflat High Gloss Coatings: 150 g/L.
  - 4. Dry-Fog Coatings: 150 g/L.
  - 5. Floor Coatings: 100 g/L.
  - 6. Pretreatment Wash Primers: 420 g/L.
  - 7. Primers, Sealers, and Undercoaters: 100 g/L.
  - 8. Rust Preventative Coatings: 250 g/L.
  - 9. Shellacs, Clear: 730 g/L.
  - 10. Shellacs, Opaque: 550 g/L.
  - 11. Specialty Primers, Sealers, and Undercoaters: 100 g/L.
  - 12. Zinc-Rich Primers: 340 g/L.
- A. Low-Emitting Materials: Paints and coatings shall comply with the requirements of authorities having jurisdiction.

## 2.3 PAINT, GENERAL

- A. Material Compatibility:
  - 1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
  - 2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.
- B. Material Quality:

1. Provide paint material of the various coating types specified that are factory formulated and recommended by manufacturer for application indicated. Paint-material containers not displaying manufacturer's product identification will not be acceptable.
  2. Proprietary Names: Use of manufacturer's proprietary product names to designate colors or materials is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Furnish manufacturer's material data and certificates of performance for proposed substitutions.
- C. Colors: As indicated on Drawings or, if not indicated, as selected by Architect from manufacturer's full range.

#### 2.4 CONCRETE UNIT MASONRY BLOCK FILLERS

- A. Concrete Unit Masonry Block Filler: Factory-formulated high-performance latex block fillers.
1. Behr: Kilz; Pro-X P50 Block Filler Primer: Applied at a dry film thickness of not less than 5.4 mils (0.1372 mm).
  2. Dunn-Edwards: Smooth BLOCFIL Premium (SBPR00): Applied at a dry film thickness of not less than 8.0 mils (0.2032 mm).
  3. Frazee: Provide one of the following:
    - a. 262 Acrylic Latex Block Filler: Applied at a dry film thickness of not less than 7.0 mils (0.1778 mm).
    - b. C302 Ultra Tech Int/ Ext 100% Acrylic Block Filler: Applied at a dry film thickness of not less than 6.3 mils (0.1600 mm).
  4. Glidden: Concrete Coatings Block Filler Interior Exterior Primer 3010: Applied at a dry film thickness of not less than 9.0 mils (0.2286 mm).
  5. PPG: Speedhide Interior/Exterior Masonry Latex Block Filler 6-7: Applied at a dry film thickness of not less than 7.0 mils (0.1778 mm).
  6. Sherwin-Williams: PrepRite Interior/Exterior Block Filler B25W25: Applied at a dry film thickness of not less than 8.0 mils (0.2032 mm).
  7. Vista: 040 Block Kote: Applied at a dry film thickness of not less than 8.1 mils (0.2057 mm).

#### 2.5 PRETREATMENT FOR GALVANIZED METAL

- A. Galvanized Metal Pretreatment: Factory-formulated galvanized metal pretreatment for exterior and interior application.
1. Behr: Krud Kutter; Metal Clean & Etch.
  2. Dunn-Edwards: Supreme Chemical; Metal Clean and Etch (SCME-01).
  3. Frazee: Jasco; Prep N Prime.
  4. Glidden: Jasco; Prep N Prime.
  5. PPG: Duraprep Concentrated Multi-Purpose Cleaner Prep120.
  6. Sherwin-Williams: DTM Wash Primer B71Y1.
  7. Vista: Krud Kutter; Metal Clean & Etch.

2.6 PRIMERS/SEALERS

A. Exterior Concrete and Masonry Primer: Factory-formulated alkali-resistant acrylic-latex primer for exterior application.

1. Behr: Premium Plus Exterior Multi-Surface Primer & Sealer (436): Applied at a dry film thickness of not less than 1.8 mils (0.0457 mm).
2. Dunn-Edwards: EFF-STOP Premium (ESPR00): Applied at a dry film thickness of not less than 1.5 mils (0.0381 mm).
3. Frazee: Provide one of the following:
  - a. 266 Epotilt Acrylic/Epoxy Masonry Sealer: Applied at a dry film thickness of not less than 2.1 mils (0.0533 mm).
  - b. C251 FlexLox Acrylic Epoxy High PH Masonry Primer/ Sealer: Applied at a dry film thickness of not less than 2.1 mils (0.0533 mm).
4. Glidden: Concrete Coatings Bond-Prep 3030: Applied at a dry film thickness of not less than 1.4 mils (0.0356 mm).
5. PPG: Perma-Crete Alkali Resistant Primer 4-603: Applied at a dry film thickness of not less than 1.2 mils (0.0305 mm).
6. Sherwin-Williams: Loxon Exterior Masonry Acrylic Primer A24W300: Applied at a dry film thickness between 2.1 and 3.2 mils (0.0533 and 0.0813 mm).
7. Vista: 4600 Uniprime II: Applied at a dry film thickness of not less than 1.7 mils (0.0432 mm).

2.7 METAL PRIMERS

A. Exterior Ferrous-Metal Primer: Factory-formulated rust-inhibitive metal primer for exterior application.

1. Behr: Premium Plus Exterior Multi-Surface Primer & Sealer (436): Applied at a dry film thickness of not less than 1.8 mils (0.0457 mm).
2. Dunn-Edwards: BLOC-RUST Premium (BRPR00): Applied at a dry film thickness of not less than 2.0 mils (0.0508 mm).
3. Frazee: Provide one of the following:
  - a. 561 Metal Primer: Applied at a dry film thickness of not less than 1.8 mils (0.0457 mm).
  - b. 309 Ultratech Universal Water-Based Metal Primer: Applied at a dry film thickness of not less than 2.0 mils (0.0508 mm).
4. Glidden: Devflex Waterborne Acrylic DTM Primer 4020PF: Applied at a dry film thickness between 2.0 and 4.0 mils (0.0508 and 0.1016 mm).
5. PPG: Pitt-Tech Plus DTM Industrial Primer 90-912: Applied at a dry film thickness between 2.0 and 4.0 mils (0.0508 and 0.1016 mm).
6. Sherwin-Williams: Pro Industrial Pro-Cryl Primer, B66-310 Series: Applied at a dry film thickness between 2.0 and 4.0 mils (0.0508 and 0.1016 mm).
7. Vista: 9600 Protec Metal Prime: Applied at a dry film thickness of not less than 1.7 mils (0.0432 mm).

- B. Exterior Galvanized Metal Primer: Factory-formulated galvanized metal primer for exterior application.
1. Behr: Premium Plus Exterior Multi-Surface Primer & Sealer (436): Applied at a dry film thickness of not less than 1.8 mils (0.0457 mm).
  2. Dunn-Edwards: Provide one of the following:
    - a. GALV-ALUM Premium (GAPR00): Applied at a dry film thickness of not less than 2.0 mils (0.0508 mm).
    - b. ULTRA-GRIP Premium Interior/Exterior Multi-Surface Primer UGPR00: Applied at a dry film thickness of not less than 1.5 mils (0.0381 mm).
  3. Frazee: Provide one of the following:
    - a. 561 Alkyd Acrylic Metal Primer: Applied at a dry film thickness of not less than 1.8 mils (0.0457 mm).
    - b. 309 Ultratech Universal Water-Based Metal Primer: Applied at a dry film thickness of not less than 2.0 mils (0.0508 mm).
  4. Glidden: Devflex Waterborne Acrylic DTM Primer 4020PF: Applied at a dry film thickness between 2.0 and 4.0 mils (0.0508 and 0.1016 mm).
  5. PPG: Pitt-Tech Plus DTM Industrial Primer 90-912: Applied at a dry film thickness between 2.0 and 4.0 mils (0.0508 and 0.1016 mm).
  6. Sherwin-Williams: Pro Industrial Pro-Cryl Primer, B66-310 Series: Applied at a dry film thickness between 2.0 and 4.0 mils (0.0508 and 0.1016 mm).
  7. Vista: 4800 Metal Pro Primer: Applied at a dry film thickness of not less than 2.5 mils (0.0635 mm).
- C. Exterior Aluminum Primer under Acrylic Finishes: Factory-formulated acrylic-based metal primer for exterior application.
1. Behr: Premium Plus Exterior Multi-Surface Primer & Sealer (436): Applied at a dry film thickness of not less than 1.8 mils (0.0457 mm).
  2. Dunn-Edwards: Provide one of the following:
    - a. GALV-ALUM Premium (GAPR00): Applied at a dry film thickness of not less than 2.0 mils (0.0508 mm).
    - b. ULTRA-GRIP Premium Interior/Exterior Multi-Surface Primer UGPR00: Applied at a dry film thickness of not less than 1.5 mils (0.0381 mm).
  3. Frazee: Provide one of the following:
    - a. 561 Acrylic Metal Primer: Applied at a dry film thickness of not less than 1.8 mils (0.0457 mm).
    - b. 309 Ultratech Universal Water-Based Metal Primer: Applied at a dry film thickness of not less than 2.0 mils (0.0508 mm).
  4. Glidden: Devflex Waterborne Acrylic DTM Primer 4020PF: Applied at a dry film thickness between 2.0 and 4.0 mils (0.0508 and 0.1016 mm).
  5. PPG: Pitt-Tech Plus DTM Industrial Primer 90-912: Applied at a dry film thickness between 2.0 and 4.0 mils (0.0508 and 0.1016 mm).

6. Sherwin-Williams: Pro Industrial Pro-Cryl Primer, B66-310 Series: Applied at a dry film thickness between 2.0 and 4.0 mils (0.0508 and 0.1016 mm).
7. Vista: 4800 Metal Pro Primer, Acrylic Metal Primer: Applied at a dry film thickness of not less than 2.5 mils (0.0635 mm).

## 2.8 WATER-BASED PAINTS

- A. Exterior Semigloss Acrylic Enamel: Factory-formulated semigloss waterborne acrylic-latex enamel for exterior application. 35 to 70 units at 60 degrees, according to ASTM D 523.
1. Behr: Premium Plus Exterior Semi-Gloss (5050): Applied at a dry film thickness of not less than 1.4 mils (0.0356 mm).
  2. Dunn-Edwards: SPARTASHIELD (SSHL50): Applied at a dry film thickness of not less than 1.5 mils (0.0381 mm).
  3. Frazee: 124 Mirro Glide 100% Acrylic Semi-Gloss: Applied at a dry film thickness of not less than 1.4 mils (0.0356 mm).
  4. Glidden: Ultra-Hide 150 Exterior Semi-Gloss Paint 2416V: Applied at a dry film thickness of not less than 1.6 mils (0.0406 mm).
  5. PPG: Speedhide Exterior 100% Acrylic Latex Semi-Gloss 6-900XI: Applied at a dry film thickness of not less than 1.4 mils (0.0356 mm).
  6. Sherwin-Williams: Provide one of the following:
    - a. Sonoran Int/Ext Acrylic Latex Semi-Gloss, B40WJ9850 Series: Applied at a dry film thickness of not less than 1.5 mils (0.0381 mm).
    - b. Solo 100% Acrylic Int/Ext S/G A76 Series: Applied at a dry film thickness of not less than 1.5 mils (0.0381 mm).
  7. Vista: 7000 Acriglo Semigloss: Applied at a dry film thickness of not less than 1.4 mils (0.0356 mm).

## 2.9 SOURCE QUALITY CONTROL

- A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure:
1. Owner will engage the services of a qualified testing agency to sample paint materials. Contractor will be notified in advance and may be present when samples are taken. If paint materials have already been delivered to Project site, samples may be taken at Project site. Samples will be identified, sealed, and certified by testing agency.
  2. Testing agency will perform tests for compliance with product requirements.
  3. Owner may direct Contractor to stop applying paints if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.



### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
  - 1. Concrete: 12 percent.
  - 2. Masonry (Clay and CMUs): 12 percent.
  - 3. Portland Cement Plaster: 12 percent.
- C. Portland Cement Plaster Substrates: Verify that plaster is fully cured.
- D. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.
- E. Proceed with coating application only after unsatisfactory conditions have been corrected.
  - 1. Application of coating indicates acceptance of surfaces and conditions.
- F. Coordination of Work: Review other Sections in which primers are provided to ensure compatibility of the total system for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.
  - 1. Notify Architect about anticipated problems when using the materials specified over substrates primed by others.

#### 3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations applicable to substrates and paint systems indicated.
- B. Remove door and other hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
  - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
  - 1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.

- D. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces to be painted exceeds that permitted in manufacturer's written instructions.
- E. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions.
- F. Steel Substrates: Remove rust and loose mill scale if any. Do not remove zinc-rich primer unless otherwise indicated. Clean using methods recommended in writing by paint manufacturer but not less than the following:
  - 1. SSPC-SP 11, "Power Tool Cleaning to Bare Metal."
- G. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.
- H. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.
- I. Aluminum Substrates: Remove loose surface oxidation.

### 3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions and recommendations applicable to substrates and paint systems indicated.
  - 1. Use applicators and techniques suited for paint and substrate indicated.
  - 2. Paint surfaces behind movable items same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed items with prime coat only.
  - 3. Paint faces, all four edges, edges of cutouts, and mortises of exterior doors and entire exposed surface of exterior door frames.
    - a. Paint all surfaces that will be covered by door hardware including, but not limited to, kick, mop, and armor protection plates.
  - 4. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
  - 5. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
  - 6. Primers specified in painting schedules are required on items that are factory primed or factory finished.
- B. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- C. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

- D. Painting Fire Suppression, Plumbing, HVAC, Electrical, Communication, and Electronic Safety and Security Work:
  - 1. Paint the following work where exposed to view:
    - a. Equipment, including panelboards and switch gear.
    - b. Uninsulated metal piping.
    - c. Uninsulated plastic piping.
    - d. Pipe hangers and supports.
    - e. Metal conduit.
    - f. Plastic conduit.
    - g. Tanks that do not have factory-applied final finishes.

#### 3.4 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
  - 1. Contractor shall touch up and restore painted surfaces damaged by testing.
  - 2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

#### 3.5 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

#### 3.6 EXTERIOR PAINTING SCHEDULE

- A. Concrete, Stucco, and Masonry (Other Than Concrete Unit Masonry): Provide the following finish systems over exterior concrete, stucco, and brick masonry substrates:
  - 1. Semigloss Acrylic-Enamel Finish: Two finish coats over a primer.
    - a. Primer: Exterior concrete and masonry primer.
    - b. Finish Coats: Exterior semigloss acrylic enamel.

- B. Concrete Unit Masonry: Provide the following finish systems over exterior concrete unit masonry:
  - 1. Semigloss Acrylic-Enamel Finish: Two finish coats over a block filler.
    - a. Block Filler: Concrete unit masonry block filler.
    - b. Finish Coats: Exterior semigloss acrylic enamel.
- C. Ferrous Metal: Provide the following finish systems over exterior ferrous metal:
  - 1. Semigloss Acrylic-Enamel Finish: Two finish coats over a rust-inhibitive primer.
    - a. Primer: Exterior ferrous-metal primer.
    - b. Finish Coats: Exterior semigloss acrylic enamel.
- D. Zinc-Coated Metal: Provide the following finish systems over exterior zinc-coated metal surfaces:
  - 1. Semigloss Acrylic-Enamel Finish: Two finish coats over a galvanized metal primer.
    - a. Pretreatment: Exterior galvanized metal pretreatment.
    - b. Primer: Exterior galvanized metal primer.
    - c. Finish Coats: Exterior semigloss acrylic enamel.
- E. Aluminum: Provide the following finish systems over exterior aluminum surfaces:
  - 1. Semigloss Acrylic-Enamel Finish: Two finish coats over a primer.
    - a. Primer: Exterior aluminum primer under acrylic finishes.
    - b. Finish Coats: Exterior semigloss acrylic enamel.

END OF SECTION 09 91 13

SECTION 10 14 19 - DIMENSIONAL LETTER SIGNAGE

GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
  - 1. Cast dimensional characters.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For signs.
  - 1. Include fabrication and installation details and attachments to other work.
  - 2. Show sign mounting heights, locations of supplementary supports to be provided by other installers, and accessories.
  - 3. Show message list, typestyles, graphic elements, and layout for each sign at least half size.
- C. Samples for Verification: For each type of sign assembly showing all components and with the required finish(es), in manufacturer's standard size unless otherwise indicated and as follows:
  - 1. Dimensional Characters: Full-size Sample of each type and size of dimensional character.
  - 2. Exposed Accessories: Full-size Sample of each accessory type.
  - 3. Full-size Samples, if approved, will be returned to Contractor for use in the Project.
- D. Product Schedule: For dimensional letter signs. Use same designations indicated on Drawings or specified in a sign schedule.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and manufacturer.
- B. Sample Warranty: For special warranty.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For signs to include in maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer of products or an entity that employs installers and supervisors who are trained and approved by manufacturer.

1.7 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within specified warranty period.

- 1. Failures include, but are not limited to, the following:
  - a. Deterioration of finishes beyond normal weathering.
  - b. Separation or delamination of sheet materials and components.
- 2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 ACCESSIBILITY REQUIREMENTS

- A. Comply with applicable provisions in the CBC and the 2010 ADA Standards for Accessible Design.
- B. Visual Characters: Visual characters shall comply with CBC Section 11B-703.5 per CBC Section 11B-703.5.
  - 1. Exception: Where visual characters comply with CBC Section 11B-703.2 and are accompanied by Braille complying with CBC Section 11B-703.3, they shall not be required to comply with CBC Sections 11B-703.5.2 through 11B-703.5.6, 11B-703.5.8 and 11B-703.5.9.
  - 2. Finish and Contrast: Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background per CBC Section 11B-703.5.1.
  - 3. Case: Characters shall be uppercase or lowercase or a combination of both per CBC Section 11B-703.5.2.
  - 4. Style: Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms per CBC Section 11B-703.5.3.
  - 5. Character Proportions: Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 percent minimum and 110 percent maximum of the height of the uppercase letter "I" per CBC Section 11B-703.5.4.

DIMENSIONAL LETTER SIGNAGE

6. Character Height: Minimum character height shall comply with CBC Table 11B-703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the height of the uppercase letter "I" per CBC Section 11B-703.5.5.
  - a. Exception: Where provided, floor plans providing emergency procedures information in accordance with Title 19 shall not be required to comply with CBC Section 11B-703.5.5.
7. Height from Finish Floor or Ground: Visual characters shall be 40 inches (1016 mm) minimum above the finish floor or ground per CBC Section 11B-703.5.6.
  - a. Exceptions:
    - 1) Visual characters indicating elevator car controls shall not be required to comply with CBC Section 11B-703.5.6.
    - 2) Floor-level exit signs complying with CBC Chapter 10, Section 1013.7 shall not be required to comply with CBC Section 11B-703.5.6.
    - 3) Where provided, floor plans providing emergency procedures information in accordance with Title 19 shall not be required to comply with CBC Section 11B-703.5.6.
8. Stroke Thickness: Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 20 percent maximum of the height of the character per CBC Section 11B-703.5.7.
9. Character Spacing: Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of the character height per CBC Section 11B-703.5.8.
10. Line Spacing: Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height per CBC Section 11B-703.5.9.
11. Format: Text shall be in a horizontal format per CBC Section 11B-703.5.10.

## 2.2 PERFORMANCE REQUIREMENTS

- A. Thermal Movements: For exterior dimensional letter signage, allow for thermal movements from ambient and surface temperature changes.
  1. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

2.3 SUSTAINABILITY REQUIREMENTS

- A. Comply with applicable provisions in the CGBC.
- B. Regional Materials: Dimensional letter signs shall be manufactured within 500 miles (800 km) of Project site.
- C. Recycled Content of Aluminum Products: Recycled content not less than 20 percent.

2.4 DIMENSIONAL CHARACTERS

- A. Cast Characters: Characters with uniform faces, sharp corners, and precisely formed lines and profiles, and as follows:
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. Gemini Incorporated.
    - b. ACE Sign Systems, Inc.
    - c. ASI Sign Systems, Inc.
    - d. Cosco.
    - e. Matthews International Corporation; Bronze Division.
    - f. Metal Arts.
    - g. Metallic Arts.
    - h. Southwell Company (The).
  - 2. Character Material: Cast aluminum.
  - 3. Character Height: As indicated on Drawings.
  - 4. Thickness: 2 inch (25 mm)
  - 5. Finishes:
    - a. Integral Aluminum Finish: Brushed, Vertical Grain
    - b. Characters and their background shall have a non-glare finish.
    - c. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.
  - 6. Mounting: Projecting studs.
    - a. Characters shall be mounted no less than 1/8 inch (3 mm) and no more than 1/4 inch (6 mm) off the wall surface.
  - 7. Typeface: GT-Roffe



2.5 DIMENSIONAL CHARACTER MATERIALS

- A. Aluminum Castings: ASTM B 26/B 26M, alloy and temper recommended by sign manufacturer for casting process used and for type of use and finish indicated.

2.6 ACCESSORIES

- A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of signs, noncorrosive and compatible with each material joined, and complying with the following:
1. Use concealed fasteners and anchors unless indicated to be exposed.
  2. For exterior exposure, furnish stainless-steel devices unless otherwise indicated.
  3. Sign Mounting Fasteners:
    - a. Projecting Studs: Threaded studs with sleeve spacer, welded or brazed to back of sign material, screwed into back of sign assembly, or screwed into tapped lugs cast integrally into back of cast sign material, unless otherwise indicated.

2.7 FABRICATION

- A. General: Provide manufacturer's standard sign assemblies according to requirements indicated.
1. Preassemble signs and assemblies in the shop to greatest extent possible. Disassemble signs and assemblies only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation; apply markings in locations concealed from view after final assembly.
  2. Mill joints to a tight, hairline fit. Form assemblies and joints exposed to weather to resist water penetration and retention.
  3. Comply with AWS for recommended practices in welding and brazing. Provide welds and brazes behind finished surfaces without distorting or discoloring exposed side. Clean exposed welded and brazed connections of flux, and dress exposed and contact surfaces.
  4. Conceal connections if possible; otherwise, locate connections where they are inconspicuous.
  5. Internally brace dimensional characters for stability, to meet structural performance loading without oil-canning or other surface deformation, and for securing fasteners.
  6. Provide rabbets, lugs, and tabs necessary to assemble components and to attach to existing work. Drill and tap for required fasteners. Use concealed fasteners where possible; use exposed fasteners that match sign finish.
  7. Castings: Fabricate castings free of warp, cracks, blowholes, pits, scale, sand holes, and other defects that impair appearance or strength. Grind, wire brush, sandblast, and buff castings to remove seams, gate marks, casting flash, and other casting marks before finishing.

## 2.8 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- C. Organic, Anodic, and Chemically Produced Finishes: Apply to formed metal after fabrication but before applying contrasting polished finishes on raised features unless otherwise indicated.

## 2.9 ALUMINUM FINISHES

- A. Clear Anodic Finish: AAMA 611, Class I, 0.018 mm or thicker.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance.
- B. Verify that sign-support surfaces are within tolerances to accommodate signs without gaps or irregularities between backs of signs and support surfaces unless otherwise indicated.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

- A. General: Install signs using mounting methods indicated and according to manufacturer's written instructions.
  - 1. Install signs level, plumb, true to line, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
  - 2. Before installation, verify that sign surfaces are clean and free of materials or debris that would impair installation.
  - 3. Corrosion Protection: Where aluminum is in contact with dissimilar metals, protect against galvanic action by painting contact surfaces with materials recommended by manufacturer for this purpose or by installing nonconductive spacers.
- B. Mounting Methods:

1. Projecting Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris and dust from hole and substrate surface. Follow adhesive manufacturer's installation instructions.
  - a. Masonry and Plaster Substrates: Fill holes with epoxy adhesive. Leave recess space in hole for displaced adhesive. Place spacers on studs, place sign in position, and push until spacers are pinched between sign and substrate, embedding the stud ends in holes. Temporarily support sign in position until adhesive fully sets.
  - b. Thin or Hollow Surfaces: Place spacers on studs, place sign in position with spacers pinched between sign and substrate, and install washers and nuts on stud ends projecting through opposite side of surface, and tighten.

### 3.3 ADJUSTING AND CLEANING

- A. Remove and replace damaged or deformed characters and signs that do not comply with specified requirements. Replace characters with damaged or deteriorated finishes or components that cannot be successfully repaired by finish touchup or similar minor repair procedures.
- B. Remove temporary protective coverings and strippable films as signs are installed.
- C. On completion of installation, clean exposed surfaces of signs according to manufacturer's written instructions, and touch up minor nicks and abrasions in finish. Maintain signs in a clean condition during construction and protect from damage until acceptance by Owner.

END OF SECTION 10 14 19

*THIS PAGE INTENTIOANLLY LEFT BLANK.*

/

SECTION 31 20 00 - EARTHWORK

PART 1 - GENERAL

1.01 SUMMARY

- A. The work of this section shall include excavation, unclassified cut, unclassified fill, removing existing unsatisfactory material, preparing areas to be filled, spreading and compacting of fill in the areas to be filled, and all other work necessary to complete the grading of the site. It shall be the Contractor's responsibility to place, spread, moisten or dry, and compact the fill in strict accordance with these specifications to the lines and grades indicated on project plans or as directed in writing by the Geotechnical Engineer. Included with this Work are the following:
1. General exterior grading, cutting and filling, including grading for building area, paving, planting areas, banks and hillsides.
  2. Excavating, filling, backfilling, and compacting for Project site pavement, planting areas, buildings, and other structures.
  3. Subgrade preparation for hardscape.
  4. Excavating and backfilling trenches.
  5. Shoring plan guidelines.
- B. Related Sections: The following Sections contain requirements that relate to this Section.
1. Section 32 12 16 - Asphalt Paving.
  2. Section 32 13 13 – Concrete Paving.

1.02 DEFINITIONS

- A. Excavation consists of the removal of material encountered to subgrade elevations and the reuse or disposal of materials removed.
- B. Subgrade: The uppermost surface of an excavation or the top surface of a fill or backfill immediately below subbase, drainage fill, or topsoil materials.
- C. Borrow: Soil material obtained off site when sufficient approved soil material is not available from excavations.
- D. Base Course: The layer placed between the subgrade and surface pavement in a paving system.
- E. Drainage Fill: Course of washed granular material supporting slab on grade placed to cut off upward capillary flow of pore water.
- F. Permeable Backfill: Provide permeable backfill material behind retaining structures consisting of gravel, crushed gravel, crushed rock, natural sands, manufactured sand, or combinations.
- G. Unauthorized excavation consists of removing materials beyond indicated subgrade elevations or dimensions without direction by the Architect. Unauthorized excavation, as well as remedial work directed by the Architect, shall be at the Contractor's expense.

- H. Structures: Buildings, footings, foundations, retaining walls, slabs, tanks, curbs, mechanical and electrical appurtenances, or other man made stationary features constructed above or below ground surface.
- I. Utilities include underground pipes, conduits, ducts, and cables, as well as underground services within building lines.

1.03 SUBMITTALS TO CONSTRUCTION MANAGER

- A. General: Submit the following according to the Conditions of the Contract and Division 1 Specification Sections.
- B. Product data for the following:
  - 1. Each type of plastic warning tape.
  - 2. Filter fabric.
- C. Excavation support & protection (shoring) shop drawings for informational purposes: Prepared by or under the supervision of a qualified professional engineer for excavation support and protection systems.

1.04 QUALITY ASSURANCE

- A. Codes and Standards:
  - 1. 2022 California Building Code, Title 24, Part 2, Volume 2 of 2, Appendix J, Grading.
  - 2. ASTM D422 - Method for Particle Size Analysis of Soils
  - 3. ASTM D1556 - Test Method for Density of Soil in Place by the Sand-Cone Method.
  - 4. ASTM D1557 - Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-lb (4.54 kg) and 18-inch (457-mm) Drop.
  - 5. ASTM D2216 - Method for Laboratory Determination of Water (Moisture) Content of Soil, Rock, and Soil Aggregate Mixtures.
  - 6. ASTM D2922 - Test Method for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depths).
  - 7. ASTM D3017 - Test Method for Moisture Content of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depths).
  - 8. ASTM D4318 - Test Method for Liquid Limit, Plastic Limit and Plasticity Index of Soils.
  - 9. AASHTO T217 - Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Meter.
  - 10. ASTM D4829 - Expansion Index Test.
- B. Conditions/Specifications and Special Provisions, as well as the Standard Specifications for Public Works Construction ("GREENBOOK"), 2018 Edition, adopted by the Southern California Chapter, American Public Works Association; herein referred to as the "Standard Specifications".

- C. Sampling, testing, and certification of imported soils shall be performed in accordance with Section 01 41 32 - Import Materials Testing.
- D. Comply with all requirements of permit for export of soil from site. Permit is to be obtained and paid for by Contractor. Furnish copies of all permits and licenses required by the City of Whittier to Owner's representative.
- E. Professional Observation: A soils engineer will be retained by the Owner for purposes of inspection, testing and approval of all work under this section. Perform work of this Section under inspection and approval of the soils engineer. Give soils engineer not less than 48 hours advance notice of readiness for inspection.
- F. The soils engineer will have the authority over all filling, grading, and compaction operations, including interruption of work if deemed necessary due to improper work
- G. Pre-Grading Conference: Conduct conference at Project site to comply with requirements of Division 1 Section "Project Meetings."
  - 1. Before commencing earthwork operations, meet with representatives of the governing authorities, Owner, Architect, consultants, Geotechnical Engineer, independent testing agency, and other concerned entities. Review earthwork procedures and responsibilities including testing and inspection procedures and requirements. Notify participants at least 3 working days prior to convening conference. Record discussions and agreements and furnish a copy to each participant.

1.05 CONSTRUCTION MONITORING

- A. All earthwork and foundation construction should be monitored by a qualified engineer/technician under the supervision of a Geotechnical Engineer, including;
  - 1. Observation of all site preparations;
  - 2. Observation of shoring installation, if needed;
  - 3. Observation of all site excavations;
  - 4. Test and approval of all import soil;
  - 5. Observation of placement of all compacted fills and backfills;
  - 6. Observation of all surface and subsurface drainage systems;
  - 7. Observation of all foundation and pile excavations;
  - 8. Observation of subgrade preparation for paved and building areas.
- B. The Geotechnical Engineer of Record should be notified at least three (3) days in advance of the start of construction. A joint meeting between the Contractor and Geotechnical Engineer is recommended prior to the start of construction to discuss specific procedures and scheduling. The Geotechnical Engineer should be present to observe the soil conditions encountered during construction, to evaluate the applicability of the recommendations presented in the Soils Report to the soil conditions encountered, and to recommend appropriate changes in design or construction if conditions differ from those described herein. The Geotechnical Engineer of Record should inspect and approval all imported backfill material prior to its placement as

backfill, approve the subgrade beneath all fills, fill placement and bottom of all foundation excavations before concrete or steel is placed.

- C. The Geotechnical Engineer shall submit compaction reports to the Construction Manager and the Civil Engineer at the completion of the work, including test results and plot plans indicating the locations from which the tested samples of fill were taken. The Geotechnical Engineer shall keep the Construction Manager informed on the progress of the grading work.

#### 1.06 IMPORT AND EXPORT OF EARTH MATERIALS

- A. Fees: Pay as required by government authority having jurisdiction over the area.
- B. Bonds: Post as required by government authority having jurisdiction over the area.
- C. Hauling Routes and Restrictions: Comply with requirements of authorities having jurisdiction over the area.

#### 1.07 DIG ALERT NOTIFICATION

- A. Before any excavation in or near the public right-of-way, the Contractor must contact the Underground Service Alert of Southern California (Dig Alert) at 811 for information on buried utilities and pipelines.
- B. Delineation of the proposed excavation site is mandatory. Mark the area to be excavated with water soluble or chalk based white paint on paved surfaces or with other suitable markings such as flags or stakes on unpaved areas.
- C. Call at least Two (2) full working days prior to digging.
- D. If the members (utility companies) have facilities within the work area, they will mark them prior to the start of your excavation and if not, they will let you know there is no conflict. A different color is used for each utility type (electricity is marked in red, gas in yellow, water in blue, sewer in green, telephone and cable TV in orange).
- E. The Law requires you to hand expose to the point of no conflict 24" (inches) on either side of the underground facility, so you know its exact location before using power equipment.
- F. If caught digging without a Dig Alert ticket you can be fined as much as \$50,000 per California government code 4216.

#### 1.08 SUBSURFACE CONDITIONS

- A. Where investigations of subsurface conditions have been made by the Owner with respect to subsurface conditions, utilities, foundation, or other structural designs, and that information is shown in the Plans, it represents only a statement by the Owner as to the character of materials which have actually been encountered by the Owner's investigation. This information is only included for the convenience of Bidders.
- B. Investigations of subsurface conditions are made for the purpose of design only. The Owner assumes no responsibility with respect to the sufficiency or accuracy of borings or of the log of test borings or other preliminary investigations or of the interpretation thereof. There is no guaranty, either expressed or implied, that the conditions indicated are representative of those existing throughout the Work, or any part of it, or that unanticipated conditions may not occur. When a log of test borings is included in the Plans, it is expressly understood and agreed that



said log of test borings does not constitute a part of the Contract. The log of test borings represents only an opinion of the Owner as to the character of the materials to be encountered, and is included in the Plans only for the convenience of the Bidders. Making information available to Bidders is not to be construed in any way as a waiver of the provisions of the first paragraph of this Section, and Bidders must satisfy themselves through their own investigations as to conditions to be encountered

1.09 PROJECT CONDITIONS

- A. Data: Maps, boring logs, geotechnical and foundation investigation reports, and like reference data, not included in Contract Documents but made available to Contractor by Architect or Owner are for information only, and the Architect and Owner assume no responsibility for any conclusions Contractor may draw from such information. Should questions or issues arise, contact Architect or Owner for clarification.
- B. Contractor shall determine existing conditions under which the Contractor will operate in performing the Work.
- C. A geotechnical investigation report prepared by RMA Group, Project No. 20-1277-01, dated September 20, 2020 has been prepared for this project. Prior to bidding or performing the work of this project, the contractor shall obtain a copy of these reports, and shall thoroughly familiarize himself/herself with its contents. Any information obtained from such reports, or any information given on any drawings as to subsurface soil conditions or to elevations of existing elevations or elevations of underlying rock, is approximate only, is not guaranteed, and does not form a part of the contract, unless specifically referenced in the Contract Documents. The Contractor is required to make a visual inspection of the Project Premises and must (and is permitted to) make whatever tests the Contractor deems appropriate to determine and assess the underground condition of the soil. No claims for allowances or damages because of the Contractor's negligence or failure in acquainting itself with the conditions of the Project Premises as described herein will be recognized by the Owner.
- D. Information on Drawings does not constitute a guarantee of accuracy or uniformity of soil conditions over the Project site.
- E. Existing utilities: Locate existing underground utilities in all areas of work prior to excavation or commencement of work. If utilities are to remain in place provide adequate means of protection during earthwork operations.
  - 1. Should uncharted, or incorrectly charted piping or other utilities be encountered during excavation, consult Utility Owner immediately for direction. Cooperate with Owner and Utility companies in keeping respective services and facilities in operation. Repair damaged utilities to the satisfaction of Utility Company.
  - 2. Do not interrupt existing utilities serving facilities occupied or used by Owner, or others, except when permitted in writing by Owner's Representative, and then only after acceptable temporary services have been provided.
  - 3. Demolish and completely remove from site existing underground utilities indicated to be removed. Coordinate with utility companies for shut off of services if lines are active.
- F. Noise and Dust Abatement: Exercise all reasonable and necessary means to abate dust, dirt rising and undue noise. Perform necessary sprinkling and wetting of construction site to allay dust as required by applicable codes and ordinances.

- G. Water for Grading: Contractor shall obtain and pay for all water required for his grading operation. This may include, but is not limited to, payment of deposits to utility for construction meter, and payment of all monthly service and water charges. Construction meter shall be in place throughout construction period unless alternative arrangements are made with the local water purveyor to provide construction water for all purposes. Contractor shall be aware of water moratoriums and restrictions, and shall immediately advise Owner of effects on construction schedules.
- H. Existing Conditions: Prior to commencing work at site, verify agreement of existing conditions with indicated conditions. Notify Owner's Representative in writing of discrepancies found. Start of work without notification constitutes acceptance of conditions, without cause for extra compensation.

## PART 2 - PRODUCTS

### 2.01 SOIL MATERIALS

- A. General: All soils materials to be used throughout the site shall be approved for use by the Geotechnical testing engineer. Provide approved borrow soil materials from off-site when sufficient approved soil materials are not available from excavations.
- B. No earthwork analysis has been completed with respect to the volumes of soils to be excavated, placed, or imported in order to provide the finished grades shown on the plans. The Contractor is solely responsible for verifying the earthwork quantities necessary to complete the project.
- C. Satisfactory Soil Materials: In general, on-site soils consist of silty sand and are considered as suitable for use as fill. All fill soils should be free of organics, debris, rocks or lumps over three inches in largest dimension, other deleterious material, and not more than 40 percent larger than ¾ inch. Larger chunks, if generated during excavation, may be broken into acceptably sized pieces or may be disposed offsite.
- D. Borrow / Imported Fill Material: Soil excavated from site or imported conforming to requirements for fill material.
  - 1. Unless otherwise noted, any soil re-used or imported as fill for the completion of subgrade preparation should consist of predominantly "Very Low" expansive, granular material exhibiting an EI not greater than 20. Import material should also have low corrosion potential (that is, chloride content less than 500 parts per million [ppm], soluble sulfate content of less than 0.1 percent, and pH of 5.5 or higher. All fill soils should be evaluated and approved by the soil testing representative prior to importing or filling.
  - 2. Soils proposed for import shall be tested pursuant to the requirements of Section 01 41 32: Import Materials Testing, unless a variance has been requested by CONTRACTOR and approved by the OAR prior to the import of the subject materials.
- E. Base Course Material For Use Under Asphalt Pavement: Crushed base material shall consist of materials that meet the provisions listed below.
  - 1. Crushed Aggregate Base (CAB) per Section 200-2.2, 3/4" maximum of the Standard Specifications for Public Works Construction (Green Book).

2. Crushed aggregate base (CAB) shall consist of native rock without naturally occurring asbestos or recycled materials. The Contractor shall submit written documentation, which identifies the source, volume, and proposed transport date of the material for review and approval by the Owner's Construction Manager prior to importing the material. A statement on company letterhead from the source, stamped by either a California Professional Geologist or Engineer, which states that the subject materials are native rock, do not contain any recycled materials and that the source does not mine ultramafic materials, a source of natural occurring asbestos shall be included in the submittal to Owner's Construction Manager.
  3. Crushed Miscellaneous Base (CMB) per Section 200-2.4, fine sieve, of the Standard Specifications for Public Works Construction (Green Book). Prior to import, submit written certification to OAR that crushed Miscellaneous Base (CMB) does not contain Polychlorinated biphenyls (PCB) above laboratory detection limits when tested in accordance with EPA Method 8082.
- F. Engineered Fill: Site soils and/or import materials approved for use as fill should be placed in loose horizontal lifts not exceeding 8 inches, moisture conditioned to a minimum of one (1) percentage point above optimum moisture content per ASTM D1557-12 Test Method, unless otherwise stated.
- G. Bedding Material for Trenches:
1. Bedding sand shall be as defined by Standard Specifications, Section 200-1.5, and shall be free of expansive material and organic matter. On-site soils are not considered suitable for bedding of utilities.
  2. Sand providing a sand equivalent of at least 30. All of the sand bedding shall be compacted to a minimum 90 percent of maximum density as indicated in the Contract Documents by mechanical means. Flooding and jetting shall not be permitted without prior written approval from the Geotechnical Engineer. Where sheeting or shoring is used densification of the bedding shall be accomplished after the sheeting or shoring has been removed from the bedding zone, unless the sheeting or shoring is to be cut off or left in place. Pipe bedding material shall be placed in horizontal layers not exceeding (8) eight inches.
- H. Backfill Material for Trenches:
1. The on-site soils have been determined to be suitable for being used for backfilling purposes in trenches. Utility trenches should be backfilled with granular materials and mechanically compacted. Fill materials should be compacted to a minimum relative compaction of 90 percent unless indicated otherwise. The relative compaction should be determined by ASTM D1557.

## 2.02 ACCESSORIES

- A. Detectable Warning Tape: Acid and alkali-resistant polyethylene film metallic warning tape manufactured for marking and identifying underground utilities, 6 inches wide and 4 mils thick minimum, continuously inscribed with a description of the utility, with metallic core encased in a protective jacket for corrosion protection, detectable by metal detector when tape is buried up to 30 inches deep.
1. Tape Colors: Provide tape colors to utilities as follows:

- a. Red: Electric, Fire Water.
- b. Yellow: Gas, oil, steam, and dangerous materials.
- c. Orange: Telephone and other communications.
- d. Blue: Water systems, with "Caution: Water Line Below."
- e. Green: Sewer systems, with "Caution: Sewer Line Below."
- f. Green: Storm systems, with "Caution; Storm Drain Line Below."

2.03 EXCAVATION SUPPORT & PROTECTION – SHORING PLAN

- A. The CONTRACTOR shall have at the Worksite, copies or suitable extracts of: Construction Safety Orders, Tunnel Safety Orders and General Industry Safety Orders issued by the State Division of Industrial Safety. The CONTRACTOR shall comply with provisions of these and all other applicable laws, ordinances, and regulations.
- B. Before excavating any trench 5 feet or more in depth, the CONTRACTOR shall submit a detailed plan to the Owner showing the design of shoring, bracing, sloping, or other revisions to be made for the Workers' protection from the hazard of caving ground during the excavation of such trench. If the plan varies from the shoring system standards, the plan shall be prepared by a registered Civil Engineer. No excavation shall start until the DISTRICT has accepted the plan and the CONTRACTOR has obtained a permit from the State Division of Industrial Safety. A copy of the permit shall be submitted to the DISTRICT.
- C. The INSPECTOR will provide a competent person trench/excavation certification form to the CONTRACTOR. It shall be completely filled out before any worker has access to trench or excavation and returned to the INSPECTOR before the end of the first working day. The CONTRACTOR shall certify by this form the name of the competent person administering the Work, the soil classification, and the type of excavation protective system provided and/or installed.
- D. The CONTRACTOR shall completely fence all excavations to provided protection against anyone falling into the excavation and to the satisfaction of the INSPECTOR. The fencing shall be in place at all times except when workers are present and actual construction operations are in progress.
- E. The fencing material shall be chain link fabric or welded wire fabric and 6 feet high, constructed according to one of the following:
  1. Tensioned fencing material and have top and bottom tension wires securely fastened to driven steel posts or other equally rigid elements at a maximum spacing of 12 feet; or
  2. Untensioned fencing materials securely fastened to extended trench shoring elements at a maximum spacing of 8 feet and fastened to continuous top and bottom rails constructed of nominal 2 in x 4 in lumber or equally rigid material. Framed panels with suitable supporting elements fastened together to form a continuous fence may also be used.

- F. Payment for performing all work necessary to provide safety measures shall be included in the prices bid for other items of work except where separate bid items for excavation safety are provided, or required by law.

### PART 3 - EXECUTION

#### 3.01 PREPARATION

- A. Protect adjacent property and existing improvements and structures as necessary to prevent undermining, caving of cuts, and miscellaneous damage.
- B. Provide cribbing, sheeting, and shoring necessary to safely retain the earth banks and protect excavations and adjoining grades from caving and other damage resulting from excavating together with suitable forms of protection against bodily injury to personnel employed on the work and the general public. Be responsible for the design, installation, and maintenance of required cribbing and shoring and shall meet the approval of the State Division of Industrial Safety and local governing agencies requirements.
- C. Utility lines and structures shown shall be protected and treated as indicated. Where work not shown is encountered, report it to the Architect before proceeding with excavation. Encase active lines in sleeves where they pass through concrete; remove inactive lines as directed, and plug the remaining ends. Bear the costs for repairs to damaged or broken utilities and any damages related thereto.
- D. Protect existing improvements and adjacent properties from storm damage and flood hazard originating on this project until final acceptance by the Owner. Prevent silt run-off from the limits of work in accordance with governmental requirements.
- E. A minimum 6-foot high, temporary chain link fence and gates, (pair 26' wide, minimum) shall be erected prior to any grading operations at the construction limits perimeter. Coordinate the exact location with Architect and Inspector.

#### 3.02 DEWATERING

- A. Prevent surface water and subsurface or ground water from entering excavations, from ponding on prepared subgrades, and from flooding Project site and surrounding area. Any water entering an excavation shall be immediately pumped out and the exposed excavation allowed to dry.
- B. Protect subgrades and foundation soils from softening and damage by rain or water accumulation.

#### 3.03 GRADE STAKES

- A. The Contractor's Surveyor will set grade stakes. The Surveyor shall be a California registered land surveyor or licensed Civil Engineer. The Surveyor shall be hired and paid by the Contractor, and shall be subject to the approval of the District. Contractor shall notify the District at least 48 hours before staking is to be started. The District will determine if work is ready for staking.
- B. All work shall conform to the lines, elevations, and grades shown on the Construction Plans. Three consecutive points set on the same slope shall be used together so that any variation from a straight grade can be detected. Any such variation shall be reported to the Engineer. In the absence of such report, the Contractor shall be responsible for any error in the grade of the finished work.

- C. Protect and maintain stakes in place until their removal is approved by the District. Grade or location stakes lost or disturbed by Contractor, shall be reset by the Surveyor at the expense of Contractor.
- D. Grades for underground conduits will be set at the surface of the ground. The Contractor shall transfer them to the bottom of the trench.

3.04 EXCAVATION

- A. Unclassified Excavations: Comply with the Standard Specifications for Public Works Construction, Section 300: "Earthwork", except as modified herein.
- B. In preparation for grading, the construction areas should be cleared of surface vegetation, concrete, pavement and any loose surficial soils. Any unsuitable material encountered should be properly disposed of and not incorporated into any new fill.
- C. Excavate to the depths, lines and grades indicated on the approved Grading Plan. Excavate sufficiently over-size to permit installation and removal of concrete forms and other required work. Should soil of inadequate density and bearing capability be encountered at the elevations indicated on the drawings, or where new fill is to be placed upon existing loose fill material exposed by excavation, the excavation shall be carried to the depth required to attain soil of bearing quality as determined by the Geotechnical Engineer.
- D. A California Licensed Surveyor (LS) must provide grade stakes and elevations for the Geotechnical Engineer to verify that the over-excavation depths, shown on the construction drawings for asphalt concrete pavement and concrete pavement structural sections, have been achieved prior to re-compaction.
- E. Should footing excavations exceed required dimensions or should sloughing occur, fill such extra space with concrete at no additional cost to the contract. If unsuitable material is found at the indicated depths, immediately notify the Inspector.
- F. Notify the Inspector 48 hours before foundation excavations are ready for inspection.
- G. The bottoms of footings shall be free of loose material, debris, and water before concrete is placed.
- H. Cut banks shall be neatly trimmed to the required finish surface as the cut progresses, or the Contractor shall have the option of leaving the cuts full and finish grading by mechanical equipment which shall produce the finish surfaces as shown on the Drawings.
- I. Surplus earth not needed for filling and grading shall be disposed of in a legal manner off the site.
- J. All applicable requirements of the California Construction and General Industry Safety Orders, the Occupational Safety and Health Act of 1970, and the Construction Safety Act should also be followed.
- K. Bills of lading or equivalent documentation will be submitted to the IOR on a daily basis.
- L. Upon completion of import operations, provide the OAR a certification statement attesting that all imported material has been obtained from the identified source site.

3.05 HAZARDOUS MATERIALS

- A. See Section 01 41 32: Import Materials Testing.
- B. All import fill material shall be characterized, handled, and documented in accordance with applicable US EPA and State of California hazardous waste and hazardous materials regulations.
- C. "Contaminated" shall mean any soil or geotechnical material at a concentration, which would require disposal at a regulated facility (i.e., California hazardous or RCRA hazardous).
- D. Owner's Authorized Representative (OAR) must be notified at least 72 hours prior to the disposal of any hazardous waste or hazardous material. No material disposal or reuse can take place without prior written approval of the OAR.
- E. Replacement of earth material, that has been removed due to hazardous waste reasons, shall be placed back to meet the requirements of Section 2.01, F – Engineered Fill.

3.06 EXCAVATION REQUIREMENTS

All vegetation, trash and debris should be cleared from the grading area and removed from the site. Prior to placement of compacted fills, all non-engineered fills and loose, porous, or compressible soils will need to be removed down to competent ground. Removal and requirements will also apply to cut areas. If the depth of cut is All footing excavations should be observed by the geotechnical consultant to verify that they have been excavated into competent soils. The foundation excavations should be observed prior to the placement of forms, reinforcement steel, or concrete. These excavations should be evenly trimmed and level. Prior to concrete placement, any loose or soft soils should be removed. Excavated soils should not be placed on footing areas unless properly compacted.

Prior to the placement of the moisture barrier and sand, the subgrade soils underlying the slab should be observed by the geotechnical consultant to verify that all under-buildings utility trenches have been properly backfilled and compacted, that no loose or soft soils are present, and that the under building subgrade has been properly compacted to a minimum of 90 percent relative compaction within the upper 12 inches.

Footings may experience and overall loss in bearing capacity or an increased potential to settle where located in close proximity to existing or future utility trenches. Furthermore, stresses imposed by the footings on the utility lines may cause cracking, collapse and/or a loss of serviceability. To reduce this risk, footings should extend below a 1:1 plane projected upward from the closest bottom of the trench.

Concrete flatwork and walkways should be brought to a minimum of 2% and a maximum of 6% above their optimum moisture content for a depth of 18 inches prior to the placement of concrete. The geotechnical consultant should perform insitu moisture tests to verify that the appropriate moisture content has been achieved a maximum of 24 hours prior to the placement of concrete or moisture barriers.

The exposed soils beneath all overexcavation should be scarified an additional 12 inches, moisture conditioned and compacted to a minimum of 90% relative compaction.

The above recommendations are based on the assumption that soils encountered during field exploration are representative of soils throughout the site. However, there can be unforeseen and unanticipated variations in soils between points of subsurface exploration. Hence, overexcavation depths must be verified, and adjusted if necessary, at the time of grading. The overexcavated materials may be moisture-conditioned and re-compacted as engineered fill.



3.07 FOOTING EXCAVATION AND SLAB PREPARATIONS

3.08 EXCAVATION FOR CONCRETE & HOT-MIX ASPHALT PAVING

- A. Refer to sheet C007 in the construction documents for subgrade preparation requirements, Tables 1 & 2.
- B. For minor structures and slabs-on-grade that are structurally separated from the building (e.g. stairs, ramps, concrete walkways, flatwork, pavement), the excavation should extend at least 2 feet below the finished grade or at least 1 foot below the bottom of the footing of the minor structures and slabs-on-grade, whichever is greater. Excavation for pavements and hardscape should be over-excavated at least 1 foot as measured from the bottom of the pavement or hardscape section.
- C. The compacted surface shall be firm, hard and unyielding. The term "firm, hard and unyielding" as used in the Standard Specifications Section 301-1.3 shall mean that when the heaviest construction and hauling equipment used on the project drives over the subgrade, no permanent deformation shall occur either before or during pavement construction. On areas where the underlying material appears to be wet or soft, or where it deflects under wheel loads, the Contractor shall employ excavation and work techniques which do not worsen the subgrade condition.
- D. The above subgrade preparation recommendations are based on the assumption that soils encountered during field exploration are representative of soils throughout the site. However, there can be unforeseen and unanticipated variations in soils between points of subsurface exploration. For this reason, the actual scarification and over-excavation depths will have to be determined on the basis of in-grading observations and testing performed by representatives of the Owner's geotechnical consultant.
- E. Whenever batch trucks or other paving equipment cause rutting of the subgrade or subbase in asphalt or concrete placement areas, inspectors shall immediately stop construction. Construction shall not be allowed to resume until distorted subgrade or subbase is repaired. Contractors and inspectors should locate by proof rolling, any questionable unstable areas in advance to avoid distortion under equipment. Wet, unstable areas must be dried out or replaced before starting placement of asphalt. Locating wet or soft areas in advance can be accomplished by testing finished subgrade or subbase with a loaded truck. Construction of asphalt or concrete pavement should not proceed unless testing gives a reasonable indication that distortions will not occur during construction of overlying pavement. When repair, aeration, and recompaction are required to correct damage from Contractor's operation, all necessary repair will be done at Contractor's expense. However, if the Engineer determines that additional depth of aeration and recompaction are needed, that should be paid by change order.
- F. A California Licensed Surveyor (LS) must provide grade stakes and elevations for the Geotechnical Engineer to verify that the over-excavation depths, shown on the construction drawings for asphalt concrete pavement structural sections, have been achieved prior to recompaction.
- G. Subgrade tolerances: Subgrade for pavement shall not vary more than 0.02' from the specified grade and cross section established by the Engineer. Subgrade for base material shall not vary more than 0.04' from the specified grade and cross section. Variations within the above specified tolerances shall be compensating so that the average grade and cross section specified are met.

3.09 EXCAVATION, BACKFILL & COMPACTION FOR UTILITIES

- A. Field conditions may require deviations from information indicated on Drawings. Such changes in work shall be covered by a Change Order, indicating an increase or decrease in the Contract sum.
- B. Before excavation, Contractor shall contact the "Underground Service Alert of Southern California" (USASC) for information on buried utilities and pipelines.
- C. When connections are to be made to any existing pipe, conduit, or other appurtenances, the actual elevation or position of which cannot be determined without excavation, the Contractor shall excavate for, and expose, the existing improvement before laying any pipe or conduit. The Engineer shall be given the opportunity to inspect the existing pipe or conduit before connection is made. Any adjustments in line or grade which may be necessary to accomplish the intent of the plans will be made, and the Contractor will be paid for any additional work resulting from such change in line or grade.
- D. Trenches, ditches, pits, sumps, and similar items which are outside the barricaded working area shall be barricaded to conform to Cal OSHA standards.
- E. Trenches over 5'-0" in depth shall conform to the Construction Safety Orders of the California Division of Industrial Safety, see Section 2.3 EXCAVATION SUPPORT & PROTECTION – SHORING PLAN.
- F. Safe and suitable ladders which project 2 feet above the top of the trench shall be provided for all trenches over 4 feet in depth. One ladder shall be provided for each 50 feet of open trench, or fraction thereof, and be so located that workers in the trench need not move more than 25 feet to a ladder.
- G. Where indicated and/or required to excavate in lawn areas, protect adjoining lawn areas outside of the Work area. Replace or install removed sod upon completion of backfill by installing sod level with adjacent lawns. If installation of removed sod fails, furnish sod and install to match existing lawns.
- H. Backfill over excavations to the required elevations with earth, gravel, sand, or concrete and compact as required. Provide excavations free from standing water by pumping, draining, or providing protection against water intrusion. Slope adjacent grades away from excavations to minimize entry of water.
- I. Do not excavate trenches parallel to footings closer than 18" from the face of the footing or below a plane having a downward slope of 2 horizontal to one vertical, from a line 9" above bottom of footings.
- J. If soft, spongy, unstable, or other unsuitable material is encountered upon which the bedding material or pipe is to be placed, this material shall be removed to a depth ordered by the Engineer and replaced with bedding material suitably densified. Additional bedding so ordered, over the amount required by the Plans or Specifications, will be paid for as provided in the Bid. If the necessity for such additional bedding material has been caused by an act of failure on the part of the Contractor or is required for control of groundwater, the Contractor shall bear the expense of the additional excavation and bedding.
- K. Unless indicated otherwise on the plans are within this specification, excavate trenches to the required depths for utilities, such as pipes, conduit and tanks, with minimum allowances of 6

inches at the bottom and 6 inches at the sides for bedding of unprotected piping or as required for concrete encasement of conduits as indicated on Drawings. Maximum allowances at the sides for trenching shall be 12 inches. Grade bottom of trenches to a uniform smooth surface. Remove loose soil from the excavation before installing sand bedding or concrete encasement.

- L. Where portions of existing structures, walks, paving, etc. must be removed or cut for pipe or conduit installation, replace the material with equal quality, finished to match adjacent work.
- M. Provide a minimum clear dimension of 6 inches from sides of wall excavation to outer surfaces of buried pipes or conduits installed in the same trench or outside surfaces of containers and/or tanks.
- N. DO NOT place backfill until the bedding and pipe work installed has been inspected, tested and approved by the Inspector. Remove excavated rocky material unsuitable for backfill from the site prior to final backfilling.
- O. Bedding material immediately around a utility line and to a point 12 inches above the line should consist of sand, fine-grained gravel, or cement slurry to support the line and protect it.
- P. Bedding zone shall be defined as the area containing the material specified that is supporting, surrounding, and extending to 12" (inches) above the top of pipe.
- Q. Bedding material shall first be placed on a firm and unyielding subgrade so that the pipe is supported for the full length of the barrel. There shall be 6" (inch) minimum of bedding below the pipe barrel and 1" (inch) clearance below a projecting bell for sewer, storm drain and water pipe. The material in the bedding zone shall be placed and densified by mechanical compaction only.
- R. Mechanically compacted backfill shall comply with section 306-1.3.2 of the Standard Specifications for Public Works Construction.
- S. Above the bedding, up to finished subgrade at areas other than landscape areas and up to one foot below flatwork and pavements, utility trenches should be backfilled with granular materials and mechanically compacted to at least 90%.
- T. Concrete backfill trenches that carry below or pass under footings and that are excavated within 18 inches of footings. Place concrete to level of bottom of footings.
- U. Fill voids with approved backfill materials as shoring bracing and sheeting is removed.

### 3.10 INSPECTION & TESTING AT TRENCHES

- A. Pipe will be inspected in the field before and after laying. If any cause for rejection is discovered in a pipe after it has been laid, it shall be subject to rejection. Any corrective work shall be approved by the Engineer and shall be at NO cost to the Owner.
- B. The Inspector or Geotechnical Engineer will inspect all subgrades and excavations prior to placing bedding & backfill materials.
- C. DO NOT place backfill until the bedding and pipe work installed has been inspected, tested and approved by the Inspector. Remove excavated rocky material unsuitable for backfill from the site prior to final backfilling.

- D. Utility backfill compaction test shall be performed in accordance with ASTM D1557, method "C".
- E. Utility backfill in place density test per ASTM D 1556 (sand cone) or other test method as considered appropriate by the Geotechnical Engineer.
- F. Hydrostatic pressure tests shall be done only after backfill has been placed and final compaction has been achieved.

### 3.11 APPROVAL OF SUBGRADE

- A. Notify Geotechnical Engineer when excavations have reached required over-excavation subgrade.
- B. When Geotechnical Engineer determines that unforeseen unsatisfactory soil is present, continue work only after receiving direction from the Contracting Officer.
- C. Reconstruct subgrades damaged by rain, accumulated water or construction activities as directed by the Soils Engineer.

### 3.12 UNAUTHORIZED EXCAVATION

- A. Fill of unauthorized excavation below bottoms of foundations or wall footings will be engineered fill.
- B. Fill unauthorized excavations under other construction as directed by the Soils Engineer.
- C. Where indicated widths of utility trenches are exceeded, provide stronger pipe, or special installation procedures, as required by the Geotechnical Engineer.

### 3.13 STORAGE OF SOIL MATERIALS

- A. After the site has been stripped of all debris, vegetation and organic materials, excavated on site soils may be reused as engineered fill provided they meet the satisfactory soils material conditions in Section 2.01, part D. High in-site moisture contents will require aeration prior to placement as engineered fill.
- B. Stockpile excavated materials acceptable for backfill and fill soil materials, including acceptable borrow materials. Stockpile soil materials without intermixing. Place, grade, and shape stockpiles to drain surface water. Stockpile soil materials away from edge of excavations. Do not store within drip line of remaining trees. Cover to prevent wind-blown dust.

### 3.14 PLACEMENT OF ENGINEERED FILL

- A. Spreading and Compacting Fill Material:
  - 1. Per soils report section D-5.00.
- B. Compaction Testing:
  - 1. The Geotechnical Engineer's representative shall observe the excavation, filling, and compacting operations and shall make density tests in the fill material so that he can state his opinion as to whether or not the fill was constructed in accordance with the specifications. If the surface is disturbed, the density tests shall be made in the compacted materials below the disturbed zone. When these tests indicate that the

density or moisture content of any layer of fill or portion thereof does not meet the specified density or moisture content, the particular layer or portions shall be reworked until the specified density and moisture content have been obtained.

2. Sampling and testing of materials for determination of compliance with the specified compaction requirements will be conducted by the Geotechnical Engineer's representative at any location and time as the Owner may determine.
3. The Contractor shall be responsible for excavation of the test pits and for providing and installing any shoring, ladders, or other equipment necessary to protect the testing personnel. The Contractor shall also suspend operations as necessary and at no cost to the owner for the purpose of conducting such testing.
4. Test pits shall be excavated in the backfill by the Contractor as directed by the Engineer for the purpose of testing the backfill compaction. At the option of Engineer, density tests may be taken on a lift of compacted backfill immediately before placing the next lift.
5. Any settlement noted in backfill, fill, or in structures built over the backfill or fill within the one-year warranty period will be considered to be caused by improper compaction methods and shall be corrected at the Contractor's expense. Structures damaged by settlement shall be restored to their original condition by the Contractor at the Contractor's expense.
6. When initial compaction testing performed by the Engineer indicates the required density has not been obtained, the Contractor shall re-compact or replace the backfill as necessary to meet the specified minimum density.
7. The Contractor shall be responsible for rescheduling compaction testing with the Engineer and shall bear all costs for subsequent retesting in the areas of noncompliance. Costs associated with retesting and scheduling delays shall be the sole responsibility of the Contractor. The Engineer will deduct the costs for testing of materials and work found to be unacceptable, as determined by the tests performed by the Owner and the costs for testing of material sources identified by the Contractor which are not used for the work, from moneys due or to become due to the Contractor. The amount deducted will be determined by the Engineer.

### 3.15 BACKFILL - GENERAL

- A. Backfill excavations promptly, but not before completing the following:
  1. Acceptance of construction below finish grade including, where applicable, dampproofing, waterproofing, and perimeter insulation.
  2. Surveying locations of underground utilities for record documents.
  3. Testing, inspecting, and approval of underground utilities.
  4. Concrete formwork removal.
  5. Removal of trash and debris from excavation.
  6. Removal of temporary shoring and bracing, and sheeting.

7. Installing permanent or temporary horizontal bracing on horizontally supported walls.

### 3.16 GRADING

- A. Rough & Fine Grading: Rough grade area sufficiently high to require cutting by fine grading.
- B. General: Uniformly grade areas to a smooth surface, free from irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.
  1. Provide a smooth transition between existing adjacent grades and new grades.
  2. Cut out soft spots, fill low spots, and trim high spots to conform to required surface tolerances.
  3. Grade area for paving to a depth below finish grades indicated, equal to base and pavement thickness to be constructed.
  4. Cut banks neatly to required finish grades as cut progresses, or leave cuts full and finish grading by mechanical equipment, which will produce finish grades indicated on Drawings.
  5. Grade filled banks full and compact beyond grade of finish bank so that when trimmed to finish grades, soil is compacted to density specified for final slope face.
  6. Bring areas to be graded to approximate finish grades and then scarify, moisten and roll to obtain required density. Scarify, moisten and roll resulting high and low areas to obtain required finish grades by cutting and filling.
  7. Grade future planting areas so that, upon cultivation and fertilization, they will conform to finish grades indicated for planting areas.
  8. Protect all utilities.
- C. Site Grading: Slope grades to direct water away from buildings and to prevent ponding. Finish subgrades to required elevations within the following tolerances:
  1. Building pad tolerance plus or minus ½ inch (0.05-foot).
  2. Lawn or Unpaved Areas: Plus or minus (0.10-foot).
  3. Walks: Plus or minus (0.04-foot).
  4. Pavements: Plus or minus (0.04-foot).
- D. Grading Inside Building Lines: Finish subgrade to a tolerance of ½ inch when tested with a 10-foot straightedge.

### 3.17 FIELD QUALITY CONTROL

- A. The CONTRACTOR shall provide an independent approved California Department of Health Services certified testing laboratory, to perform sampling and testing of import/export fill materials in accordance with the terms as specified in Section 01 31 32: Import Materials Testing.
- B. A Geotechnical Engineer, designated by the Owner, will be engaged to perform continuous inspection of the placing and compacting of all fills and backfills within the limits of grading of this project. All work shall be done in accordance with the approved plans and these specifications and as recommended and approved by the Geotechnical Engineer. Revised recommendations relating to conditions differing from the approved soils engineering and engineering geology reports shall be submitted to the owner, inspector, architect and the civil engineer. Costs for all such inspections and tests shall be paid by the Owner. The Contractor

shall be responsible for notifying the Geotechnical Engineer in advance so that he may be present to perform his services as needed.

- C. The Geotechnical Engineer shall submit compaction reports to the Construction Manager and the Architect at the completion of the work, including test results and plot plans indicating the locations from which the tested samples of fill were taken. The Geotechnical Engineer shall keep the Construction Manager informed on the progress of the grading work.
- D. Testing Agency Services: Allow testing agency to inspect and test each subgrade and each fill or backfill layer. Do not proceed until test results for previously completed work verify compliance with requirements.
  - 1. Perform field in-place density tests according to ASTM D 1556 (sand cone method) or other test method as considered appropriate by Geotechnical Engineer.
    - a. Field in place density tests may also be performed by the nuclear method according to ASTM D 2922, provided that calibration curves are periodically checked and adjusted to correlate to tests performed using ASTM D 1556. With each density calibration check, check the calibration curves furnished with the moisture gages according to ASTM D 3017.
    - b. When field in place density tests are performed using nuclear methods, make calibration checks of both density and moisture gages at beginning of work, on each different type of material encountered, and at intervals as directed by the Architect.
  - 2. Paved and Building Slab Areas: At subgrade and at each compacted fill and backfill layer, perform at least one field in-place density test for every 2,000 sq. ft. or less of paved area or building slab, but in no case fewer than three tests.
  - 3. Foundation Wall Backfill: In each compacted backfill layer, perform at least one field in place density test for each 100 feet or less of wall length, but no fewer than two tests along a wall face.
  - 4. Trench Backfill: In each compacted initial and final backfill layer, perform at least one field in place density test for each 150 feet or less of trench, but no fewer than two tests.
- E. When testing agency reports that subgrades, fills, or backfills are below specified density, scarify and moisten or aerate, or remove and replace soil to the depth required, recompact and retest until required density is obtained.
- F. Owner's inspector will inspect foundation excavations when completed and ready for forms, after forms are in place, and before first placement of concrete.

### 3.18 PROTECTION

- A. Protecting Graded Areas: Protect newly graded areas from traffic, freezing, and erosion. Keep free of trash and debris.
- B. Repair and re establish grades to specified tolerances where completed or partially completed surfaces become eroded, rutted, settled, or lose compaction due to subsequent construction operations or weather conditions.

1. Scarify or remove and replace material to depth directed by the Architect; reshape and recompact at optimum moisture content to the required density.
- C. Settling: Where settling occurs during the Project correction period, remove finished surfacing, backfill with additional approved material, compact, and reconstruct surfacing.
  1. Restore appearance, quality, and condition of finished surfacing to match adjacent work, and eliminate evidence of restoration to the greatest extent possible.

3.19 DISPOSAL OF SURPLUS AND WASTE MATERIALS

- A. Disposal: Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and legally dispose of it off the Owner's property.

END OF SECTION 31 20 00



**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC**

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

**2022 CBC**

**IMPORTANT:** This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

**\*\*NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

**KEY TO COLUMNS**

1. TYPE	2. PERFORMED BY
<p><b>Continuous</b> – Indicates that a continuous special inspection is required</p> <p><b>Periodic</b> – Indicates that a periodic special inspection is required</p> <p><b>Test</b> – Indicates that a test is required</p>	<p><b>GE (Geotechnical Engineer)</b> – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.</p> <p><b>LOR (Laboratory of Record)</b> – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.</p> <p><b>PI (Project Inspector)</b> – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.</p> <p><b>SI (Special Inspection)</b> – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.</p>

## DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

### Geotechnical Reports: Project has a geotechnical report, or CDs indicate soils special inspection is required by GE

S1. GENERAL:				
Test or Special Inspection	Type	Performed By	Code References and Notes	
<input checked="" type="checkbox"/> a. Verify that: <ul style="list-style-type: none"> <li>• Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations.</li> <li>• Foundation excavations are extended to proper depth and have reached proper material.</li> <li>• Materials below footings are adequate to achieve the design bearing capacity.</li> </ul>	Periodic	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) form for exemptions.)	

S2. SOIL COMPACTION AND FILL:				
Test or Special Inspection	Type	Performed By	Code References and Notes	
<input type="checkbox"/> a. Perform classification and testing of fill materials,	Test	LOR*	* Under the supervision of the geotechnical engineer.	
<input type="checkbox"/> b. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (Refer to specific items identified in the Appendix (end of this form) form for exemptions where soils SI and testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil SI and test reporting requirements for the exempt items.)	
<input type="checkbox"/> c. Compaction testing.	Test	LOR*	* Under the supervision of the geotechnical engineer. (Refer to specific items identified in the Appendix (end of this form) for exemptions where soils testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil test reporting requirements for the exempt items.)	

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC**

Table 1705A.6, Table 1705A.7, Table 1705A.8

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

<b>S3. DRIVEN DEEP FOUNDATIONS (PILES):</b>				
	<b>Test or Special Inspection</b>	<b>Type</b>	<b>Performed By</b>	<b>Code References and Notes</b>
<input type="checkbox"/>	a. Verify pile materials, sizes and lengths comply with the requirements.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/>	b. Determine capacities of test piles and conduct additional load tests as required.	Test	LOR*	* Under the supervision of the geotechnical engineer.
<input type="checkbox"/>	c. Inspect driving operations and maintain complete and accurate records for each pile.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/>	d. Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/>	e. Steel piles.	Provide tests and inspections per STEEL section below.		
<input type="checkbox"/>	f. Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
<input type="checkbox"/>	g. For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	*	*	* As defined on drawings or specifications.

<b>S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):</b>				
	<b>Test or Special Inspection</b>	<b>Type</b>	<b>Performed By</b>	<b>Code References and Note</b>
<input checked="" type="checkbox"/>	a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC**

Table 1705A.6, Table 1705A.7, Table 1705A.8

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

	Test or Special Inspection	Type	Performed By	Code References and Note
<input checked="" type="checkbox"/>	b. Verify pier locations, diameters, plumbness, bell diameters (if applicable), lengths and embedment into bedrock (if applicable); record concrete or grout volumes.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
<input checked="" type="checkbox"/>	c. Confirm adequate end strata bearing capacity.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
<input checked="" type="checkbox"/>	d. Concrete piers.	Provide tests and inspections per CONCRETE section below.		

<b>55. RETAINING WALLS:</b>				
	Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/>	a. Placement, compaction and inspection of backfill.	Continuous	GE*	1705A.6.1. * By geotechnical engineer or his or her qualified representative. (See section 52 above).
<input type="checkbox"/>	b. Placement of soil reinforcement and/or drainage devices.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/>	c. Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
<input type="checkbox"/>	d. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
<input type="checkbox"/>	e. Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC**

Table 1705A.6, Table 1705A.7, Table 1705A.8

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

<b>S6. OTHER SOILS:</b>				
	<b>Test or Special Inspection</b>	<b>Type</b>	<b>Performed By</b>	<b>Code References and Notes</b>
<input type="checkbox"/>	a. Soil Improvements	<b>Test</b>	<b>GE*</b>	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS (California Geological Survey) for final acceptance. * By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/>	b. Inspection of Soil Improvements	<b>Continuous</b>	<b>GE*</b>	* By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/>	c.			

## DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

C1. CAST-IN-PLACE CONCRETE				
	Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/>	a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
<input checked="" type="checkbox"/>	b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
<input checked="" type="checkbox"/>	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
<input checked="" type="checkbox"/>	d. Test concrete ( $f'_c$ ).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
<input checked="" type="checkbox"/>	e. Batch plant inspection: <b>Continuous</b>	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
<input type="checkbox"/>	f. Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):				
	Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/>	a. Sample and test prestressing tendons and anchorages.	Test	LOR	1705A.3.4, 1910A.3
<input type="checkbox"/>	b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Items 1 & 9.

## DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

	Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/>	c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Periodic	SI	Table 1705A.3 Item 13. Special inspector to verify specified concrete strength test prior to stressing.
<input type="checkbox"/>	d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	Continuous	SI	1705A.3.4, Table 1705A.3 Item 9; ACI 318-14 Section 26.13

C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):				
	Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/>	a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-19 Section 26.13.
<input type="checkbox"/>	b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * May be performed by PI when specifically approved by DSA.
<input type="checkbox"/>	c. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for:  1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	Continuous	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
<input type="checkbox"/>	d. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Periodic	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC**

**Table 1705A.3: ACI 318-19 Sections 26.12 & 26.13**

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

<b>C4. SHOTCRETE (IN ADDITION TO SECTION C1):</b>				
<b>Test or Special Inspection</b>	<b>Type</b>	<b>Performed By</b>	<b>Code References and Notes</b>	
<input type="checkbox"/> a. Inspect shotcrete placement for proper application techniques.	Continuous	SI	1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3. See ACI 506.2-13 Section 3.4, ACI 506R-16.	
<input type="checkbox"/> b. Sample and test shotcrete (f').	Test	LOR	1908A.2, 1705A.3.9	

<b>C5. POST-INSTALLED ANCHORS:</b>				
<b>Test or Special Inspection</b>	<b>Type</b>	<b>Performed By</b>	<b>Code References and Notes</b>	
<input type="checkbox"/> a. Inspect installation of post-installed anchors.	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.	
<input type="checkbox"/> b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)	

<b>C6. OTHER CONCRETE:</b>				
<b>Test or Special Inspection</b>	<b>Type</b>	<b>Performed By</b>	<b>Code References and Notes</b>	
<input type="checkbox"/> a.				



## DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES				
Test or Special Inspection	Type	Performed By	Code References and Notes	
<input checked="" type="checkbox"/> a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a–3c, 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.	
<input checked="" type="checkbox"/> b. Test unidentified materials	Test	LOR	2202A.1.	
<input checked="" type="checkbox"/> c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.	
<input checked="" type="checkbox"/> d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).	
<input type="checkbox"/> e. Buckling restrained braces.	Test	LOR	Testing and special inspections in accordance with IR 22-4.	

S/A2. HIGH-STRENGTH BOLTS:				
Test or Special Inspection	Type	Performed By	Code References and Notes	
<input type="checkbox"/> a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.	
<input type="checkbox"/> b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8.	
<input type="checkbox"/> c. Bearing-type ("snug tight") connections.	Periodic	SI	Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.	
<input type="checkbox"/> d. Pretensioned and slip-critical connections.	*	SI	Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. *"Continuous" or "Periodic" depends on the tightening method used.	

## DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

<b>S/A3. WELDING:</b>				
	<b>Test or Special Inspection</b>	<b>Type</b>	<b>Performed By</b>	<b>Code References and Notes</b>
<input checked="" type="checkbox"/>	a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
<input checked="" type="checkbox"/>	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
<input checked="" type="checkbox"/>	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

<b>S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):</b>				
	<b>Test or Special Inspection</b>	<b>Type</b>	<b>Performed By</b>	<b>Code References and Notes</b>
<input checked="" type="checkbox"/>	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
<input checked="" type="checkbox"/>	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
<input type="checkbox"/>	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
<input type="checkbox"/>	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
<input type="checkbox"/>	e. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC**

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

Test or Special Inspection	Type	Performed By	Code References and Notes
<b>S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):</b>			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
<input checked="" type="checkbox"/> b. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
<input type="checkbox"/> c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
<input checked="" type="checkbox"/> d. Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
<input type="checkbox"/> e. Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
<input type="checkbox"/> f. Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
<input type="checkbox"/> g. Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
<input type="checkbox"/> h. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC**

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

	Test or Special Inspection	Type	Performed By	Code References and Notes
<b>S/A6. NONDESTRUCTIVE TESTING:</b>				
	Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/>	a. Ultrasonic	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
<input checked="" type="checkbox"/>	b. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
<input type="checkbox"/>	c.	Test	LOR	

<b>S/A7. STEEL JOISTS AND TRUSSES:</b>				
	Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/>	a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	Continuous	SI	1705A.2.3, Table 1705A.2.3; AWS D1.1; DSA IR 22-3 for steel joists only. 1705A.2.4; AWS D1.3 for cold-formed steel trusses.

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC**

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

Test or Special Inspection	Type	Performed By	Code References and Notes
<b>S/A8. SPRAYED FIRE-RESISTANT MATERIALS:</b>			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	Periodic	SI	1705A.15, 1705A.1, 1705A.2, 1705A.3, 1705A.4.
<input type="checkbox"/> b. Test density.	Test	LOR	1705A.15.1, 1705A.15.5, ASTM E736
<input type="checkbox"/> c. Bond strength adhesion/cohesion.	Test	LOR	1705A.15.1, 1705A.15.4, ASTM E605

<b>S/A9. ANCHOR BOLTS AND ANCHOR RODS:</b>			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Anchor Bolts and Anchor Rods	Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
<input type="checkbox"/> b. Threaded rod not used for foundation anchorage.	Test	LOR	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.

<b>S/A10. STORAGE RACK SYSTEMS:</b>			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	Periodic	SI	Table 1705A.13.7
<input type="checkbox"/> b. Fabricated storage rack elements.	Periodic	SI	1704A.2.5; Table 1705A.13.7

**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC**

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

	Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/>	c. Storage rack anchorage installation.	Periodic	SI	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
<input type="checkbox"/>	d. Completed storage rack system to indicate compliance with the approved construction documents.	Periodic	SI*	Table 1705A.13.7; * May be performed by the project inspector when specifically approved by DSA.

S/A11. Other Steel				
	Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/>	a.			

## Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. **Items marked as exempt shall be identified on the approved construction documents.** The project inspector shall verify all construction complies with the approved construction documents.

SOILS:	
<input type="checkbox"/>	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
<input type="checkbox"/>	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

CONCRETE/MASONRY:	
<input type="checkbox"/>	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below
<input type="checkbox"/>	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
<input type="checkbox"/>	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
<input type="checkbox"/>	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.

## Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

<b>CONCRETE/MASONRY:</b>	
<input type="checkbox"/>	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

<b>WELDING:</b>	
<input type="checkbox"/>	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
<input type="checkbox"/>	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.
<input type="checkbox"/>	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
<input type="checkbox"/>	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
<input type="checkbox"/>	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
<input type="checkbox"/>	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).
<input type="checkbox"/>	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.



**DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2022 CBC**

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

<b>Name of Architect or Engineer in general responsible charge:</b>  David Bannon - C 25904 (Ghataode Bannon Architects)	
<b>Name of Structural Engineer (When structural design has been delegated):</b>  Josh Randall - S 4506 (KNA Structural Engineers, Inc.)	
<b>Signature of Architect or Structural Engineer:</b>  <i>David M. Bannon</i>	<b>Date:</b>  10/30/23

**Note:** To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

<b>DSA STAMP</b>

**DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022**

---

<b>Application Number:</b> 03-123799	<b>School Name:</b> Rancho Starbuck Intermediate School	<b>School District:</b> Lowell Joint School District
<b>DSA File Number:</b> 19-65	<b>Increment Number:</b>	<b>Date Created:</b> 2023-10-25 13:32:27

---

1. Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293

---

  2. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291

---

  3. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291

---

  4. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

---

  5. Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
-



Proposal No: 00-241171-P

April 8, 2024

Lowell Joint School District  
11537 Grovedale Dr  
Whittier, CA 90604

Attention: David Bennett

Subject: Proposal to Provide Construction Inspection and Testing Services  
Rancho Starbuck Intermediate School  
16430 Woodbrier Drive,  
Whittier, CA

In response to your request, we propose to provide construction inspection and testing services for the Rancho Starbuck Intermediate School Alterations to Bldg C Library Entry Canopy project.

### **PROJECT UNDERSTANDING**

We understand that the project will consist of Library Entry Canopy. Based on our review of plans provided we understand that construction inspection and testing services will be required during construction of the Library Entry Canopy.

Therefore we have prepared this proposal to outline the scope of work required to provide services, in accordance with the project requirements.

### **SCOPE OF WORK**

Our proposed scope of work will consist of reinforced concrete and structural steel and shop inspections. A detailed description of the tasks required to complete this scope of work and an estimate of the costs associated with our work are detailed herein.

#### **Special Inspection and Testing of Reinforced Concrete Construction**

This scope of services will include engineering review of concrete mix designs, inspection of concrete batch plant operations, special inspection of reinforced concrete construction and field sampling and laboratory testing of concrete and reinforcing steel used in concrete construction for the project.



Our materials engineer would review mix designs submitted by the contractor and the results of tests performed on the aggregates. A written report of our review of the concrete mix design submittal will be prepared upon the completion of the work.

This scope of work will include the inspection of concrete batch plant operations. We will provide an inspector during concrete batch plant operations to monitor the batch weights and provide periodic inspection of the aggregate stockpiles and cement bins. Written reports of all inspections will be provided on a daily basis and at the completion of the work.

We will provide an ICC certified special inspector to perform inspection of the concrete form work, reinforcing steel placement, and concrete placements. He will perform periodic inspection of the formwork for shape, location and dimensions of the concrete member being formed. He will provide periodic inspection to verify the proper size and placement of reinforcing steel and embedded anchors.

Our inspector will provide continuous inspection during the placement of structural concrete to verify proper application techniques. Our inspector will sample fresh concrete and obtain samples for strength testing, perform slump tests and monitor the temperature of the concrete. A set of test cylinders will be made from each <100> cubic yards of concrete or fraction thereof for each class of concrete placed each day. Four test cylinders will be cast for each set.

Strength test cylinders will be cured in our laboratory until they are tested in accordance to ASTM C192. Compression tests would be performed in accordance to ASTM C39 at 7 and 28 days, respectively. Copies of the results of all compression tests will be provided upon completion of the test.

Samples of the reinforcing steel to be used for production of concrete would be tested in accordance to ASTM A370 and A615 test methods. Written reports of all tests presenting applicable information would be prepared at the completion of testing.

#### **Special Inspection of Structural Steel Construction**

This scope of services will consist of inspection of structural steel erection, high strength bolting and field welding procedures and completed welds for conformance to approved plans, specifications, and building codes.

We will provide an inspector that has been certified by AWS as a special inspector for welding. His work would consist of inspection of all welds made in the field for compliance of the approved plans and job specifications. He shall make a systematic record of all welds, including a list of defective welds and a manner of correction of defects. The inspector will check the material, equipment, details of construction and procedures, as well as the welds. He would also check the ability of the welder.



Our inspector will perform periodic inspection during erection of structural steel to verify the materials utilized are properly marked and traceable. He will collect mill certifications for the materials and inspect joint details to verify conformance at each connection. He will also inspect the installation of the high strength bolts for conformance to the job specifications.

Non Destructive testing of the completed welds will be performed as required. The inspector may use Ultra Sonic, Magnetic Particle or Dye Penetrants as appropriate to inspect completed welds and assure the adequacy of the welding.

## TERMS

We propose to perform the previously described services on an hourly or test rate basis in accordance to the attached fee schedule. Our estimate is based on information given to RMA Group and the following assumed construction durations. Our estimate of charges for the proposed services is as follows:

<b>Construction Activity</b>	<b>Estimated Costs</b>
Special Inspection and Testing of Reinforced Concrete Construction	\$9,325.00
Special Inspection of Structural Steel Construction	\$12,780.00
<b>TOTAL</b>	<b>\$22,105.00</b>

Our estimate may vary due to circumstances that may develop during the course of the work or due to extended construction duration. If a change in the scope of work becomes necessary due to unforeseen conditions, which will increase the charges, we will obtain your authorization before proceeding.

Invoices for our services will be rendered at the completion of the work and upon completion of the report. Invoices are due and payable upon presentation. Should the duration of the job exceed one month, monthly invoices will be presented for services performed.

Any amount not paid within 30 days of the date due will bear interest at a rate of 18% per annum. In the event legal action is instituted to enforce this agreement, the prevailing party will be entitled to reasonable attorney fees.

## PROFESSIONAL INSURANCE

We maintain the following insurance coverage. Certificates of insurance will be provided upon request. However, our professional liability insurance carrier (errors and omissions) will not name any additional insured.

General liability	\$1,000,000.00 limit
Professional Liability	\$1,000,000.00 limit
Workmen's Compensation	\$1,000,000.00 limit



**CLOSURE**

By signing below, you hereby authorize RMA Group to proceed with services outlined in this proposal or requested by you and agree that all services and anything arising out of or in any way related to this proposal will be governed by RMA Group's Fee Schedule and General Conditions which are attached hereto and are incorporated herein by reference. This authorization to proceed constitutes an agreement between you and RMA Group and is made in consideration of the mutual promises and covenants contained herein and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged.

Thank you for the opportunity to submit this proposal. We look forward to working with you on this project. If you have any questions regarding this proposal, please contact the undersigned.

Authorized By:

Submitted By:

RMA Group

\_\_\_\_\_  
(Signature)

*Bob Summers*  
\_\_\_\_\_

Bob Summers

Project Manager

\_\_\_\_\_  
(Print or Type Name)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Date)

<TITLE>



**ESTIMATE WORKSHEET**

**Special Inspection and Testing of Reinforced Concrete Construction**

Item	Quantity	Unit	Unit Price	Total
Special Inspector Reinforced Concrete	16	HR	\$120.00	\$1,920.00
Special Inspector Concrete Batch Plant	16	HR	\$120.00	\$1,920.00
ACI Concrete Technician	16	HR	\$120.00	\$1,920.00
Pick-up and Delivery of Test Specimens	4	HR	\$100.00	\$400.00
ID Reinforcing or Structural Steel	8	HR	\$120.00	\$960.00
ASTM C39 Concrete Cyl Cured or Tested	12	EA	\$50.00	\$600.00
ASTM A370 Rebar Tension up to #8	4	EA	\$70.00	\$280.00
ASTM A370 Bend Test Rebar up to #8	4	EA	\$60.00	\$240.00
Administrative	3	HR	\$70.00	\$210.00
Project Engineer - Office	2	HR	\$190.00	\$380.00
Project Manager - Office	3	HR	\$165.00	\$495.00
<b>Subtotal:</b>				<b>\$9,325.00</b>



**ESTIMATE WORKSHEET**

**Special Inspection of Structural Steel Construction**

Item	Quantity	Unit	Unit Price	Total
AWS Certified Welding Inspector- Field	40	HR	\$120.00	\$4,800.00
AWS Certified Welding Inspector- Shop	40	HR	\$120.00	\$4,800.00
Non Destructive Testing ASNT Level II	16	HR	\$125.00	\$2,000.00
Administrative	4	HR	\$70.00	\$280.00
Project Engineer - Office	3	HR	\$190.00	\$570.00
Project Manager - Office	2	HR	\$165.00	\$330.00
<b>Subtotal:</b>				<b>\$12,780.00</b>





## SCHEDULE OF FEES

### Personnel Charges - Professional Staff

Product Name	Units	Rate (\$)
Project Engineer - Laboratory	HR	\$190.00
Administrative	HR	\$70.00
Principal Engineer - Office	HR	\$220.00
Principal Engineer - Field	HR	\$220.00
Principal Engineer - Consultation	HR	\$220.00
Principal Engineer - Job Conference	HR	\$220.00
Principal Engineer - Expert Witness	HR	\$500.00
Principal Engineer - Court Appearance	HR	\$600.00
Project Engineer - Office	HR	\$190.00
Project Engineer - Field	HR	\$190.00
Project Engineer - Consultation	HR	\$190.00
Project Engineer - Job Conference	HR	\$190.00
Staff Engineer - Office	HR	\$145.00
Staff Engineer - Field	HR	\$145.00
Drafting	HR	\$110.00
Project Manager - Office	HR	\$165.00
Project Manager - Field	HR	\$165.00
Project Manager - Job Conference	HR	\$165.00
Principal Geologist - Office	HR	\$200.00
Principal Geologist - Field	HR	\$200.00
Principal Geologist - Consultation	HR	\$200.00
Principal Geologist - Job Conference	HR	\$200.00
Principal Geologist - Expert Witness	HR	\$450.00
Principal Geologist - Court Appearance	HR	\$550.00
Project Geologist - Office	HR	\$180.00
Project Geologist - Field	HR	\$180.00
Project Geologist - Consultation	HR	\$180.00
Project Geologist - Job Conference	HR	\$180.00
Qualified SWPPP Developer QSD	HR	\$160.00
Staff Geologist - Office	HR	\$145.00
Staff Geologist - Field	HR	\$145.00
Qualified SWPPP Practitioner QSP	HR	\$150.00

### Personnel Charges - Field Staff

Product Name	Units	Rate (\$)
Soils Engineering Technician	HR	\$120.00
Soils Technician Compaction Testing	HR	\$120.00
Soils Technician Rough Grading	HR	\$120.00
Soils Technician Retesting	HR	\$120.00
Public Works Inspector	HR	\$125.00
Public Works Technician	HR	\$120.00
Public Works Inspector - Asphalt Paving	HR	\$120.00
Public Works Inspector - Asphalt Plant	HR	\$120.00
Public Works Inspector - Concrete Paving	HR	\$120.00
Public Works Inspector - Concrete Plant	HR	\$120.00
Public Works Technician - Asphalt	HR	\$120.00
Public Works Technician - Concrete	HR	\$120.00
Laboratory Technician - Field Lab	HR	\$120.00

Lowell Joint School District  
 Rancho Starbuck Intermediate School Alterations to  
 Bldg C Library Entry Canopy  
 Whittier, CA

RMA Proposal No.00-241171-P  
 April 8, 2024



**SCHEDULE OF FEES**

Lead Roadway and Structures Inspector	HR	\$130.00
Structures Inspector	HR	\$135.00
Roadway Inspector	HR	\$130.00
Civil Inspector	HR	\$135.00
Building Inspector	HR	\$140.00
Special Inspector (ICC)	HR	\$120.00
Mechanical   Electrical Inspector	HR	\$135.00
Special Inspector Reinforced Concrete	HR	\$120.00
Special Inspector Prestressed Concrete	HR	\$120.00
Special Inspector Concrete Batch Plant	HR	\$120.00
ACI Concrete Technician	HR	\$120.00
Pick-up and Delivery of Test Specimens	HR	\$100.00
ID Reinforcing or Structural Steel	HR	\$120.00
Special Inspector Fire Proofing	HR	\$120.00
Special Inspector Post Installed Anchors	HR	\$120.00
Special Inspector Roofing/Waterproofing	HR	\$120.00
Special Inspector Masonry	HR	\$120.00
Special Inspector Masonry (DSA)	HR	\$120.00
Special Inspector Shotcrete	HR	\$120.00
Special Inspector Post Tensioned Concrete	HR	\$120.00
Special Inspector Fire Stopping	HR	\$125.00
AWS Certified Welding Inspector- Field	HR	\$120.00
AWS Certified Welding Inspector- Shop	HR	\$120.00
Special Inspector Structural Steel	HR	\$120.00
Special Inspector High Strength Bolting	HR	\$120.00
Special Inspector Wood Construction	HR	\$130.00
Non Destructive Testing ASNT Level II	HR	\$125.00
Non Destructive Testing ASNT Level III	HR	\$250.00
Coatings Technician	HR	\$130.00
Special Inspector Fiber Wrap	HR	\$120.00
Radiographic Testing Crew	HR	\$500.00
Pull   Torque Testing Technician	HR	\$120.00
Project Inspector (IOR)	HR	\$145.00
Asphalt Coring	HR	\$135.00
Concrete Coring	HR	\$135.00
Horizontal Wall Coring	HR	\$135.00
Assistant Wall Coring	HR	\$130.00
Supervising Soil Technician	HR	\$150.00
Supervising Public Works Inspector	HR	\$150.00
Supervising Special Inspector	HR	\$150.00
Quality Control Manager	HR	\$155.00
Reinforced Polymer Special Inspector	HR	\$150.00

**Laboratory Tests - Steel**

Product Name	Units	Rate (\$)
ASTM E605 Spray Applied Fireproofing Den	EA	\$135.00
ASTM A370 Rebar Tension up to #8	EA	\$70.00
ASTM A370 Rebar Tension #9 to #11	EA	\$85.00
ASTM A370 Rebar Tension #14	EA	\$125.00
ASTM A370 Rebar Tension #18	EA	\$180.00

Lowell Joint School District  
 Rancho Starbuck Intermediate School Alterations to  
 Bldg C Library Entry Canopy  
 Whittier, CA

RMA Proposal No.00-241171-P  
 April 8, 2024



**SCHEDULE OF FEES**

ASTM A370 Bend Test Rebar up to #8	EA	\$60.00
ASTM A370 Bend Test Rebar #9 to #11	EA	\$70.00
ASTM A370 Bend Test Rebar #14	EA	\$125.00
ASTM A370 Bend Test Rebar # 18	EA	\$180.00
ASTM A370 Headed Bar Prod. Lot up to #8	LOT	\$275.00
ASTM A370 Headed Bar Prod. Lot #9 to #11	LOT	\$335.00
ASTM A370 Headed Bar Prod. Lot #14	LOT	\$515.00
ASTM A370 Headed Bar Prod. Lot #18	LOT	\$670.00
ASTM A416 Stress-Strain Analysis	EA	\$250.00
ASTM A416 Tensile Test Only	EA	\$175.00
ASTM A370 Tensile Up to 100K lbs (Each)	EA	\$85.00
ASTM A370 Tensile Up to 200K lbs (Each)	EA	\$100.00
ASTM A370 Tensile Up to 300K lbs (Each)	EA	\$120.00
ASTM A370 Tensile Up to 400K lbs (Each)	EA	\$180.00
ASTM A370 Tensile 400K - 500K lbs (Each)	EA	\$365.00
ASTM A370 Tensile Stress-Strain Percent	EA	\$205.00
AWS Weld: Macroetch	EA	\$120.00
AWS Weld: Fracture	EA	\$95.00
AWS Bend Test	EA	\$85.00
ASTM A370 Rockwell Hardness (Each)	EA	\$120.00
Steel Chemical Analysis	EA	\$255.00
ASTM F606 Bolt Axial Tensile to 7/8"	EA	\$70.00
ASTM F606 Bolt Wedge Tensile to 7/8"	EA	\$100.00
ASTM F606 Bolt: Axial 7/8" - 1 1/2"	EA	\$105.00
ASTM F606 Bolt Wedge Tens 7/8" to 1 1/2"	EA	\$120.00
ASTM F606 Bolt: Proof Load up to 7/8"	EA	\$110.00
ASTM F606 Bolt: Proof Load up to 1 1/2"	EA	\$135.00
ASTM F606 Nut: Proof Load up to 7/8"	EA	\$75.00
ASTM F606 Nut: Proof Load up to 1 1/2"	EA	\$120.00

**Laboratory Tests - Soil**

Product Name	Units	Rate (\$)
ASTM D4318 Plasticity Index of Soils	EA	\$335.00
ASTM D1883 California Bearing Ratio	EA	\$750.00
ASTM D2435 Consolidation	EA	\$295.00
ASTM D2435 Consolidation with Time Rate	EA	\$355.00
ASTM D3080 Direct Shear, Consol&Drained	EA	\$285.00
ASTM D4829 Expansion Index of Soils	EA	\$270.00
ASTM D2166 Unconfined Comp Strength	EA	\$335.00
ASTM D5333 Hydro Collapse Potential	EA	\$260.00
ASTM D2050 Tri-Axial Shear Strength	EA	\$550.00
ASTM D2937 In-Place Density, Drive Cyl	EA	\$75.00
ASTM D2216 Soil Moisture Content by Mass	EA	\$55.00
ASTM D698 Maximum Density Std Effort	EA	\$350.00
ASTM D1557 Max Density Optimum Moisture	EA	\$350.00
ASTM D2974 Moisture, Ash, Organic Matter	EA	\$120.00
ASTM D4972 pH of Soils	EA	\$125.00
ASTM D2844 R-Value & Expansive Pressures	EA	\$480.00
ASTM D2434 Const Head Permeability Test	EA	\$470.00
ASTM D422 Sieve Analysis of Soil	EA	\$260.00

Lowell Joint School District  
 Rancho Starbuck Intermediate School Alterations to  
 Bldg C Library Entry Canopy  
 Whittier, CA

RMA Proposal No.00-241171-P  
 April 8, 2024



### SCHEDULE OF FEES

ASTM D1140 Materials Finer than #200	EA	\$160.00
ASTM D422 Hydrometer Analysis	EA	\$395.00
ASTM D854 Specific Gravity of Soils	EA	\$295.00
ASTM D4546 Swell Potential	EA	\$260.00
ASTM D4943 Shrinkage Factor by Resin	EA	\$290.00
ASTM D559 Soil Cement Sample Preparation	EA	\$160.00
ASTM D558 Soil-Cement Maximum Density	EA	\$395.00
ASTM D1633 Compression Test Soil Cement	EA	\$130.00
AASHTO T100 Specific Gravity of Soils	EA	\$295.00

#### Laboratory Tests - Masonry

Product Name	Units	Rate (\$)
ASTM C140 Block Compressive Strength	SET	\$100.00
ASTM C140 Block Moisture & Absorption	SET	\$110.00
ASTM C426 Block Linear Shrinkage	SET	\$375.00
ASTM C140 Block Unit Wt & Dimensions	SET	\$265.00
ASTM C90 Masonry Block Conformance	SET	\$740.00
ASTM C67 Brick Compressive Strength	SET	\$125.00
ASTM C67 Brick Moisture & Absorption	SET	\$110.00
ASTM C67 Brick 5 Hour Boil	EA	\$135.00
ASTM C67 Brick Modulus of Rupture	EA	\$135.00
ASTM C780 Mortar Cylinder Compression	EA	\$50.00
ASTM C1019 Grout Prism Compression	EA	\$55.00
ASTM C1314 Masonry Core Comp Str 8" Max	EA	\$120.00
ASTM C1314 Masonry Core Shear Str 8" Max	EA	\$130.00
ASTM E519 Assemblage Comp Str 8" Block	EA	\$155.00
ASTM E519 Assemblage Comp Str 12" Block	EA	\$140.00
ASTM E519 Assemblage Comp Str 16" Block	EA	\$175.00
ASTM C109 Compressive Strength 2" Cube	EA	\$75.00

#### Laboratory Tests - Concrete

Product Name	Units	Rate (\$)
ASTM C39 Concrete Cyl Cured or Tested	EA	\$50.00
ASTM C42 Compressive Strength, Core	EA	\$120.00
ASTM C39 Cyl Tested out of Sequence	EA	\$80.00
ASTM C495 Lightweight Concrete Strength	EA	\$75.00
ASTM C78 Flexural Strength, Beam	EA	\$135.00
ASTM C1140 Shotcrete Panel Test	SET	\$450.00
ASTM C138 Unit Weight of Concrete	EA	\$90.00
ASTM C649 Concrete Modulus of Elasticity	EA	\$275.00
ASTM C157 Concrete Shrinkage (Set of 3)	SET	\$650.00
ASTM C496 Splitting Tensile Test	EA	\$125.00
ASTM C495 Density - Lightweight Concrete	EA	\$240.00
T 336 Coefficient of Thermal Expansion	EA	\$750.00

#### Laboratory Tests - Caltrans

Product Name	Units	Rate (\$)
CT202 Sieve Analysis, Combined Agg	EA	\$275.00
CT202 Sieve Analysis, Fine Agg	EA	\$210.00

Lowell Joint School District  
 Rancho Starbuck Intermediate School Alterations to  
 Bldg C Library Entry Canopy  
 Whittier, CA

RMA Proposal No.00-241171-P  
 April 8, 2024



### SCHEDULE OF FEES

CT202 Sieve Analysis, Coarse Agg	EA	\$195.00
CT235 Flat and Elongated Particles	EA	\$400.00
CT205 Percentage Crushed Particles	EA	\$275.00
CT206 Specific Gravity, Coarse Aggregate	EA	\$195.00
CT207 Specific Gravity, Fine Aggregate	EA	\$295.00
CT208 Apparent Specific Gravity of Fines	EA	\$295.00
CT229 Durability Index	EA	\$455.00
CT234 Angularity & Voids, Fine Agg	EA	\$295.00
CT211 Abrasion, Los Angeles Rattler	EA	\$375.00
CT227 Cleanness Value	EA	\$420.00
CT213 Organic Impurities in Sand	EA	\$135.00
CT214 Soundness by Sodium Sulfate	EA	\$650.00
CT226 Moisture Content by Oven Drying	EA	\$65.00
CT217 Sand Equivalent	EA	\$190.00
CT308(A) Core Density Paraffin Coated	EA	\$85.00
CT308(C) Core Density SSD	EA	\$75.00
CT303 Approximate Bitumen Ratio	EA	\$335.00
CT304/308(A) LTMD Kneading Compactor	EA	\$480.00
CT305 Swell of Bituminous Mixtures	EA	\$550.00
CT366 Stabilometer Value	EA	\$395.00
CT308(A)/366 Stability and Density	EA	\$490.00
CT308(C)/366 Stability and Density	EA	\$470.00
CT309 Maximum Theoretical Density	EA	\$295.00
CT370 Moisture Content by Microwave	EA	\$110.00
CT379 Asphalt Content Nuclear Gauge	EA	\$275.00
CT382 Ignition Oven Correction Factor	EA	\$550.00
CT382 Asphalt Content by Ignition	EA	\$275.00
CT371 Tensile Strength Ratio	EA	\$1,470.00
CT302 Film Stripping	EA	\$335.00
CT521 Concrete Cyl Compressive Strength	EA	\$50.00
CT523 Concrete Flexural Strength, Beam	EA	\$135.00
CT531 Length of Drilled Concrete Cores	EA	\$75.00
CT550 Surface Abrasion of Concrete	EA	\$535.00
CT534 Water Retention, Liq Curing Cmpnd	EA	\$570.00
CT521 Compressive Strength LCB	EA	\$50.00
CT524 RSC Flexural Strength, Beam	EA	\$135.00
CT515 Relative Mortar Strength, PCC Sand	EA	\$900.00
CT670 Tensile Strength up to #8	EA	\$95.00
CT670 Tensile Strength #8 - #11	EA	\$120.00
CT670 Tensile Strength #14	EA	\$180.00
CT670 Tensile Strength #18	EA	\$255.00
CT 52-1-08C Slip Test	EA	\$275.00
CT670 Operator Qualification up to #8	LOT	\$550.00
CT670 Operator Qualification #9 - #11	LOT	\$655.00
CT670 Operator Qualification #14	LOT	\$950.00
CT670 Operator Qualification #18	LOT	\$1,235.00
CT670 Operator Qualification up to #8	EA	\$550.00
CT670 Operator Qualification #9 - #11	EA	\$675.00
CT670 Operator Qualification #14	EA	\$950.00
CT670 Operator Qualification #18	EA	\$1,235.00

Lowell Joint School District  
 Rancho Starbuck Intermediate School Alterations to  
 Bldg C Library Entry Canopy  
 Whittier, CA

RMA Proposal No.00-241171-P  
 April 8, 2024



**SCHEDULE OF FEES**

CT670 Production Lot up to #8 (Service)	LOT	\$355.00
CT670 Production Lot #9 to #11 (Service)	LOT	\$475.00
CT670 Production Lot #14 (Service)	LOT	\$635.00
CT670 Production Lot #18 (Service)	LOT	\$825.00
CT670 Production Lot up to #8 (Ultimate)	LOT	\$455.00
CT670 Production Lot #9 to #11(Ultimate)	LOT	\$490.00
CT670 Production Lot #14 (Ultimate)	LOT	\$790.00
CT670 Production Lot #18 (Ultimate)	LOT	\$1,350.00
CT204 Plasticity Index, Atterberg	EA	\$355.00
CT209 Specific Gravity of Soil	EA	\$295.00
CT216 CA Impact Max Density	EA	\$325.00
CT216 CA Impact, Rock Correction	EA	\$95.00
CT301 Resistance R-Value Stabilometer	EA	\$450.00
CT417 Soluble Sulfates	EA	\$155.00
CT422 Chloride Content	EA	\$135.00
CT643 Resistivity and pH	EA	\$155.00

**Laboratory Tests - Asphalt**

Product Name	Units	Rate (\$)
ASTM D2726 Core Density (SSD)	EA	\$75.00
ASTM D1188 Core Density Parafilm Coated	EA	\$85.00
ASTM D6926 Lab Max Density Marshall	EA	\$395.00
ASTM D6927 Marshal Stability and Flow	EA	\$480.00
ASTM D1561 LTMD Kneading Compactor	EA	\$395.00
ASTM D1560 Hveem Stability and Density	EA	\$490.00
ASTM D1560 Hveem Stability	EA	\$375.00
ASTM D2041 Maximum Theoretical Density	EA	\$295.00
ASTM D6307 Ignition Oven Calibration	EA	\$550.00
ASTM D6307 Asphalt Content by Ignition	EA	\$285.00
ASTM D2172 Asphalt Content by Solvents	EA	\$475.00
ASTM D4125 Asphalt Content Nuclear Gauge	EA	\$335.00
ASTM D5444 Gradation of Extracted Agg	EA	\$335.00
ASTM D244 Emulsion Residue Evaporation	EA	\$280.00
ASTM D244 Emulsion Sieve Analysis	EA	\$185.00
ASTM D3910 Wet Track Abrasion	EA	\$285.00
AASHTO T324 Hamburg Wheel Tracking Test	EA	\$1,100.00
AASHTO T283 Tensile Strength Ratio	EA	\$1,200.00
AASHTO T275 Core Density Paraffin Coated	EA	\$85.00
AASHTO T312/T275 LTMD Gyratory Compactor	EA	\$480.00
AASHTO T308 Asphalt Content by Ignition	EA	\$285.00
AASHTO T209 Theoretical Maximum Density	EA	\$295.00
AASHTO T308A AC Correction Factor	EA	\$550.00
AASHTO T324 Hamburg Wheel Tracking - RHMA	EA	\$1,100.00
AASHTO T283 Tensile Strength Ratio - RHMA	EA	\$1,200.00
AASHTO T312/T275 LTMD Gyratory Comp.- RHMA	EA	\$480.00

**Laboratory Tests - Aggregates**

Product Name	Units	Rate (\$)
ASTM C131 Abrasion, Los Angeles Rattler	EA	\$375.00
ASTM C40 Organic Impurities in Fine Agg	EA	\$135.00

Lowell Joint School District  
 Rancho Starbuck Intermediate School Alterations to  
 Bldg C Library Entry Canopy  
 Whittier, CA

RMA Proposal No.00-241171-P  
 April 8, 2024



**SCHEDULE OF FEES**

ASTM C127 Specific Gravity, Coarse Agg	EA	\$255.00
ASTM C128 Specific Gravity, Fine Agg	EA	\$290.00
ASTM C1252 Angularity & Voids, Fine Agg	EA	\$280.00
ASTM C566 Moisture Content by Drying	EA	\$35.00
ASTM C117 Materials Finer than No. 200	EA	\$160.00
ASTM D2419 Sand Equivalent	EA	\$180.00
ASTM C289 Alkali-Silica Reactivity	EA	\$950.00
ASTM D4791 Flat & Elongated Particles	EA	\$395.00
ASTM D5821 Percent Fractured Particles	EA	\$275.00
ASTM C123 Percent Lightweight Particles	EA	\$295.00
ASTM C88 Soundness by Sodium Sulfate	EA	\$635.00
ASTM C136 Sieve Analysis, Combined Agg	EA	\$290.00
ASTM C136 Sieve Analysis, Fine Agg	EA	\$265.00
ASTM C136 Sieve Analysis, Coarse Agg	EA	\$255.00
ASTM C142 Clay Lumps & Friable Particles	EA	\$260.00
ASTM C535, Abrasion Large Aggregate	EA	\$465.00
AASHTO T304 Angularity & Voids in Fines	EA	\$255.00
AASHTO T84 Specific Gravity, Fine Agg	EA	\$280.00
AASHTO T85 Specific Gravity, Coarse Agg	EA	\$255.00
AASHTO T96 Abrasion, Los Angeles Rattler	EA	\$375.00
AASHTO T27 Sieve Analysis, Combined Agg	EA	\$290.00
AASHTO T27 Sieve Analysis, Fine Agg	EA	\$285.00
AASHTO T27 Sieve Analysis, Coarse Agg	EA	\$255.00
AASHTO T176 Sand Equivalent	EA	\$180.00
AASHTO T335 Percent Fractured Particles	EA	\$255.00

**Equipment Charges**

Product Name	Units	Rate (\$)
Portable Drilling Equipment	HR	\$750.00
Mobile Laboratory Trailer Mobilization	EA	\$1,500.00
Mobile Laboratory Trailer & Testing Equipment	DAY	\$700.00
Stationary Laboratory Trailer & Testing Equipment	MO	\$1,500.00
Mileage	MILE	Quote
Diamond Bit Core Rig and Generator	DAY	\$750.00
Nuclear Density Test Gauge	DAY	\$35.00
Hand Held Turbidity Meter	DAY	\$50.00
Ultrasonic Test Unit and Consumables	DAY	\$50.00
Magnetic Particle Test Unit	DAY	\$100.00
Skidmore	DAY	\$80.00
Schmidt Hammer	DAY	\$100.00
Torque Wrench	DAY	\$80.00
Proof Load Testing Equipment	DAY	\$150.00
Drilling Equip Mobilization / De-Mob	EA	\$800.00
ASTM C1028 Coefficient of Friction	DAY	\$800.00
Mini Environmental Quality Meter	DAY	\$400.00
Inertial Profiler	DAY	\$2,000.00
Materials / Supplies	LS	Quote
Holiday Tester	DAY	\$250.00
VOC Meter	DAY	\$200.00
Misc Permits	LS	Quote

Lowell Joint School District  
 Rancho Starbuck Intermediate School Alterations to  
 Bldg C Library Entry Canopy  
 Whittier, CA

RMA Proposal No.00-241171-P  
 April 8, 2024



## SCHEDULE OF FEES

Misc Fees	HR	Quote
Misc Subconsultant	LS	Quote
Set of Aerial Photographs	EA	Quote
Blueprinting	EA	Quote
Dutch Cone Penetrometer with Operator	HR	\$875.00
Hollow Stem Auger Drill Rig w/ Operator	HR	\$775.00
Portable Drilling Equipment w/ Operator	HR	\$750.00
Bucket Auger Drill Rig with Operator	HR	\$875.00
Air Rotary Drill Rig with Operator	HR	\$900.00
Rotary Wash Drill Rig with Operator	HR	\$950.00
Per Diem	DAY	\$150.00

### GENERAL CHARGES

RMA Group requires twenty-four (24) hour prior notification for scheduling inspectors and/or technicians.

Inspection charges start at the scheduled show up time at the job site. All inspection hours will be billed in the following increments:

There will be a minimum two (2) hour charge for any RMA Group employee presence on site.

Any time less than four (4) hours of work will be billed as four (4) hours.

Four (4) to eight (8) hours will be billed as eight (8) hours.

When personnel are required to work in excess of 5 hours without an uninterrupted meal period of 30 minutes, due to project constraints, ½ hour will be charged at double time rates in addition to any applicable hours worked.

Rates are valid through June 30, 2024. Rates for personnel will increase by 5% per year on July 1st of each subsequent year.

Outside services will be billed at cost plus 15% unless billed directly to and paid for by Client.

Requests made by client for management attendance at meetings at the project site will be charged at standard rate.

Administrative/clerical support will be charged at 3% of the monthly direct charges.

### OVERTIME CHARGES

Work performed in excess of 8 hours per day and / or up to eight (8) hours on Saturdays will be billed at 1.50 times the unit rate.

Work performed on Sunday, recognized holidays, or in excess of eight (8) hours on Saturdays will be billed at 2.00 times the unit rate.

A 20% surcharge will be applied for laboratory tests performed on a Saturday or Sunday.

### PER DIEM AND TRAVEL CHARGES

A \$150.00 charge per day will be applied when our personnel are required to stay overnight at remote locations.

Time will be billed at the unit rate while traveling to a remote location or if a location requires an overnight stay

Mileage for travel outside a 50 mile radius from either the project site or the nearest RMA facility whichever is closest, will be charged at a rate of \$0.60 per mile.

### NIGHT WORK

A \$5.00 per hour surcharge will be added to all personnel rates for work performed during night shifts.





## GENERAL CONDITIONS

**AGREEMENT.** This agreement is made by and between RMA Group ("RMA") and the party that accepted RMA's proposal or requested that RMA perform Services ("Client"). RMA shall include said company, its engineers, employees, insurers, or authorized representative. This "Agreement" includes RMA's proposal and any exhibits or attachments noted in the proposal or incorporated by reference including but not limited to these General Conditions. Requesting Services from RMA shall constitute acceptance of the terms of these General Conditions.

**1. SCOPE OF SERVICES.** Services means the service(s) performed by RMA for Client or at Client's direction. RMA's findings, opinions, and recommendations are based upon data and information obtained by and furnished to RMA at the time of the Services. RMA may rely upon information provided by the Client or third parties. Client may request additional work or changes beyond the scope of Services described in RMA's Proposal. If any alteration or addition of Services are requested by the Client, RMA may provide a written notification detailing the additional scope of work, time extension and associated fees for Client's review. Client shall provide written acceptance of such. If Client does not follow these procedures, but instead directs, authorizes, or permits RMA to perform the changed or additional work, the Services are changed accordingly and RMA will be paid for this work according to its written notification or current fee schedule.

**2. DELAYS.** RMA shall be entitled to an equitable adjustment to the project schedule and compensation to compensate RMA for any increase in time or costs necessary to perform the Services under this Agreement due to any cause beyond its reasonable control. All promises of services time are approximations by RMA and are subject to the Client and contractor's schedules, weather conditions, travel conditions, disputes with workmen or parties, accidents, strikes, natural disasters, health emergencies, discovery of hazardous materials, differing or unforeseeable site conditions or project conditions, acts of governmental agencies or authorities, or other causes. In no event shall RMA be responsible for any damage or expense due to delays from any cause, other than to the extent the damage or expense is directly caused by RMA's own proven negligence after having been warned in writing by the Client of the damage or expense which may result from the delay.

**3. RMA RESPONSIBILITIES.** Services performed by RMA under this Agreement will be conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the same profession currently providing the same or similar services under similar circumstances in the same locality and in accordance with applicable standards in effect at the time the Services are performed. RMA MAKES NO OTHER REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. Testing or inspection services may require the destruction of a sample or sample location. Client understands that, in the normal course of performing the Services, some damage may occur, and understands that RMA is not responsible for the correction of any such damage or for replacing samples. Client acknowledges that opinions, data, interpretations and recommendations prepared by RMA are based on limited data and recognizes that subsurface conditions or other actual conditions may vary from those encountered at the location where inspections, tests, borings, surveys, or explorations are made by RMA and may vary from those depicted on logs of discrete borings, test pits, or other exploratory services. There is an inherent risk that samples or observations may not be representative of materials or locations not sampled or seen and that conditions may change over time. Variations

between inspected or tested discrete locations may occur and the risk of such occurrence is understood and accepted by Client. Client is responsible for notifying the appropriate party or professional regarding the correction of any deviations or deficiencies noted by RMA and RMA accepts no liability in connection therewith. RMA shall not be responsible for the interpretation by others of information developed by RMA and makes no guarantee that RMA's recommendations are properly implemented by any party. RMA shall not be held liable for problems that may occur if RMA's recommendations are not followed.

**4. SUBSURFACE EXPLORATIONS.** Client understands RMA's layout of boring and test locations is approximate and that RMA may deviate a reasonable distance from those locations. Client acknowledges that it is impossible for RMA to know the exact composition of a site's subsurface, even after conducting a comprehensive exploratory program. There is a risk that drilling and sampling may result in contamination of certain subsurface areas. Client waives any claim against, and agrees to defend, indemnify and save RMA harmless from any claim or liability for injury or loss which may arise as a result of subsurface contamination caused by drilling, sampling, or monitoring well installation. Client also agrees to adequately compensate RMA for any time spent and expenses incurred in defense of any such claim.

**5. CLIENT PARTICIPATION.** Client will make available to RMA all information in its possession regarding existing and proposed conditions at the site. Such information shall include, but not be limited to engineering reports, plot plans, topographic surveys, hydrographic data, soil data including borings, field and laboratory tests and written reports. Client shall immediately transmit to RMA any new information concerning site condition which becomes available, and any change in plans or specifications concerning the project. RMA shall not be liable for any inaccurate or incorrect advice, judgment or decision which is based on any inaccurate information furnished by Client and Client shall indemnify RMA against claims, demands, or liability arising out of, or contributed to, by such inaccurate information. In the event Client, the project owner, or other party makes any changes in the plans and specifications, Client agrees to hold RMA harmless from any liability arising out of such changes, and Client assumes full responsibility unless Client has given RMA prior notice and has received RMA's written consent for such changes. RMA does not assume responsibility for any conditions at the Client's site(s) that may present a danger, either potential or real, to health, safety, or the environment. Client hereby agrees that it is the Client's responsibility to notify any and all appropriate federal, state, or local authorities, as required by law, of the existence of any such potential or real danger and otherwise to disclose to all appropriate or affected individuals or entities, in a timely manner, any information that may be necessary to prevent any danger to health, safety, or the environment. Client assumes sole responsibility for determining whether the quantity and the nature of services ordered by Client is adequate and sufficient for Client's intended purpose.

**6. THIRD PARTIES** To the fullest extent permitted by law and to the extent not resulting from RMA's proven negligence, Client agrees to defend, indemnify and hold RMA harmless from any claims, demands, suits, losses, charges, expense (including attorney fees and costs at trial and appeal), and/or allegations of responsibility by any and all third parties including but not limited to, contractors, subcontractors, agents, employees, assignees transferees, successors, invitees, neighbors, and the public relating in any way to this Agreement, the



services, or the project. It is expressly understood and agreed that the enforcement of these terms and conditions shall be reserved to the Client and RMA. Nothing contained in this Agreement shall give or allow any claim or right of action whatsoever by any third person. It is the express intent of the Client and RMA that any such person or entity, other than Client or RMA, receiving services or benefits under this Agreement shall be deemed an incidental beneficiary. Neither party may assign this Agreement or any right or obligation hereunder without the prior written consent of the other party, which shall not be unreasonably withheld or delayed; provided, however, that no consent shall be necessary in the event of an assignment to a successor entity resulting from a merger, acquisition or consolidation by or of RMA or an assignment to an affiliate or subsidiary of RMA.

**7. SAMPLE DISPOSAL.** Samples are consumed in testing or disposed of upon completion of tests or upon report completion (unless stated otherwise in the Services). Client acknowledges that contaminated drill cuttings, sample spoils, wash water, and other materials may be produced as a result of encountering hazardous materials at the site. In such event, Client shall be responsible for their proper transportation and disposal. RMA may be able to arrange for the transportation and disposal of hazardous materials at Client's request. In no event shall RMA be required to sign a hazardous waste manifest or take title to any hazardous materials. Contaminated samples delivered to or taken to RMA's laboratory for testing shall remain the property of Client and Client is responsible for ultimate disposal of any samples which are found to be contaminated. On request, Client shall retrieve contaminated samples from RMA's laboratory and dispose of them in an approved manner.

**8. DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS.** Client shall furnish to RMA all documents and information known or available to Client that relate to the identity, location, quantity, nature, or characteristic of any hazardous waste, toxic, radioactive, or contaminated materials prior to commencement of the Services. Client warrants that it has made reasonable efforts to disclose known or suspected hazardous materials on or near the project site. Client agrees that the discovery of such unanticipated hazardous materials constitutes a changed condition which may require either a renegotiation of the scope of RMA's Services or termination of such Services or this Agreement. Client recognizes that the discovery of hazardous materials may necessitate immediate protective measures to safeguard the public health and safety and agrees to compensate RMA for measures that in RMA's professional opinion are justified to preserve and protect the health and safety of site personnel and the public. Client agrees to compensate RMA for any equipment decontamination or other costs incident to the discovery of unanticipated hazardous materials. Client agrees that in the event of the discovery of hazardous materials at the site it will report such discovery to the proper authorities as required by federal, state, and local regulations. Client also agrees to inform the project site owner in the event that hazardous materials are encountered at the site. Notwithstanding any other provision of the agreement, Client waives any claim against RMA, and to the maximum extent permitted by law, agrees to defend, indemnify, and save RMA harmless from any claim, liability and/or defense costs for injury or loss arising from the presence of hazardous materials on the project site.

**9. SITE CONDITIONS.** Client shall secure all necessary approvals, notices, permits, licenses, and consents from all owners, lessees, contractors, and other possessors of the Project, necessary to

commence and complete the Services, and will provide RMA access to the project site for all equipment and personnel necessary for the performance of the Services. RMA shall be allowed free access to the site. Client understands and agrees that RMA shall only be responsible for losses which directly result from RMA's negligence. Client is responsible for the accuracy of locations for all subterranean structures and utilities. Client waives any claim against RMA, and agrees to defend, indemnify, and hold RMA harmless from any claim or liability for injury or loss of any party, including costs of defense, arising from damage done to subterranean structures and utilities not identified or accurately located. In addition, Client agrees to compensate RMA for any time spent or expenses incurred by RMA in defense of any such claim.

**10. ENVIRONMENTAL LIABILITY.** Neither this Agreement nor the providing of services will operate to make RMA an owner, operator, generator, transporter, treater, storer, or arranger for disposal or treatment within the meaning of the Resource Conservation Recovery Act, Comprehensive Environmental Response Compensation and Liability Act, or within the meaning of any other law governing the handling, treatment, storage, or disposal of hazardous materials. Client will indemnify, defend and hold RMA harmless from and against any and all losses, damages, costs and expenses, including attorney's fees, from third party claims, demands and causes of action arising or claimed to arise from violations by Client of any and all environmental laws, rules and regulations relating to the existence, generation of, current or future ownership, storage, transport or disposal of pre-existing hazardous substances and wastes, but this indemnity shall not cover such loss, damage, cost or expense to the extent caused by RMA's proven negligence in performing the Services under this Agreement. For purposes of this Agreement, a pre-existing hazardous substance is any hazardous substance or hazardous waste having been generated by Client or existing on Client's premises prior to the date of this Agreement.

**11. OWNERSHIP AND LEGAL USE OF DOCUMENTS.** All notes, data, reports, original final reproducible drawings, plans, specifications, calculations, and studies memoranda assembled or prepared by RMA are instruments of service with respect to the subject project, and RMA shall retain an ownership and property interest therein, whether or not the project is completed. The Client may make and retain copies for information and reference in connection with the subject project; however, such documents are not intended or represented to be suitable for re-use by the Client or others. Any modification, changes, or reuse without written verification or adaptation by RMA for the specific purpose intended will be at the Client's sole risk and without liability or legal exposure to RMA, and the Client agrees to indemnify and hold harmless RMA against any and all costs, expenses, fees, losses, claims, demands, liabilities, suits, actions, and damages whatsoever arising out of or resulting therefrom.

**12. ALLOCATION OF RISK AND LIMITATION OF LIABILITY.** The parties have evaluated the respective risks and remedies under this Agreement and agree to allocate the risks and restrict the remedies to reflect that evaluation. Notwithstanding any other provision to the contrary in this Agreement and to the fullest extent permitted by law, Client agrees to restrict its remedies under this Agreement against RMA, its parents, affiliates and subsidiaries ("RMA Covered Parties"), so that the total aggregate liability of RMA Covered Parties shall not exceed \$50,000 or the actual paid compensation for the services performed by RMA under this Agreement, whichever is greater. This restriction of remedies shall



apply to all suits, claims, actions, losses, costs (including attorney fees) and damages of any nature arising from or related to this Agreement without regard to the legal theory under which such liability is imposed. Claims must be brought within one calendar year from performance of the Services.

**13. LIABILITY FOR OTHERS.** RMA shall not be responsible for supervising or overseeing the Client's contractors or for their means and methods, procedures, performance, or site safety. RMA shall not be responsible for the acts or omissions of the Client, owner, architect, architect's other consultants, contractor, subcontractors, other third parties or their respective agents, employees, assigns, successors, or any other persons ("Others"). RMA shall have no authority to control Others regarding their work or their safety practices. RMA does not control or guarantee the work of Others. RMA has no duty to inspect or correct health and safety deficiencies of Others. RMA will not be responsible for the failure of Others to perform in accordance with their undertakings and the providing of RMA's services shall not relieve Others of their responsibilities to the Client or Others. RMA reserves the right to report to the Client any unsafe conditions observed at the Project without altering the foregoing.

**14. CONSEQUENTIAL DAMAGES WAIVER.** Notwithstanding anything to the contrary in this agreement and to the fullest extent permitted by law, Client and RMA waive against each other any and all claims for or entitlement to special, incidental, indirect, consequential, delay, punitive, or similar losses or damages arising out of, resulting from, or in any way related to the project or this Agreement.

**15. INSURANCE.** RMA will maintain the following insurance coverages and amounts: (1) Workers Compensation insurance as required by law, (2) Employer's Liability insurance with coverage of \$1,000,000 per each accident/employee, (3) Commercial General Liability insurance with coverage of \$1,000,000 per occurrence/aggregate, (4) Automobile Liability insurance with coverage of \$1,000,000 combined single limit, and (5) If RMA is providing professional services, Professional Liability insurance with coverage of \$1,000,000 per claim/aggregate. Client shall name RMA as additional insured on its Builder's Risk policy. Client shall require any general contractors working on the project site to include RMA in any indemnity that the Client requires such contractors to provide to the Client and as an additional insured under any such contractor's general liability insurance policy. Client shall provide RMA with a certificate of insurance evidencing the required insurance.

**16. RESOLUTION OF DISPUTES.** Client shall not be entitled to assert a Claim against RMA based on any theory of professional negligence unless and until Client has obtained the written opinion from an independent and reputable Professional Engineer (P.E.), licensed architect (A.I.A.), or Registered Geologist (R.G.) that RMA has violated the standard of care applicable to RMA's performance of the Services. Such party shall be currently practicing in the same discipline as RMA and be licensed in the state where the project is located. This written opinion shall specify the acts or omissions that the independent engineer, architect, or geologist contends are not in conformance with the standard of care for professional services performed by local consultants under similar circumstances; and state in detail the basis for their independent opinion that such acts or omissions do not conform to that standard of care. Client shall provide this opinion to RMA and the parties shall endeavor to resolve the dispute within 30 days. This Agreement shall be governed by and construed in accordance with the laws of the state where the RMA office originating the work or proposal

is located. Exclusive of lien claims, any legal action or proceeding brought to enforce or otherwise arising out of or relating to this Agreement shall be brought in the county where the RMA office originating the work or proposal is located. Each party waives its right to a jury trial in any court action arising between the parties, whether under this Agreement or otherwise related to the work being performed under this Agreement.

**17. COMPENSATION AND PAYMENT TERMS.** Client agrees that an invoice amount is due when received unless otherwise agreed. A service charge of one and one-half percent (1-½%) per month (but not exceeding the maximum allowable by law) will be added to any account not paid within 30 days after the invoice date. In the event that any portion of the account remains unpaid 30 days after the invoice date, RMA may immediately discontinue Services on any and all projects for Client, or withhold any final report or instrument of service, or demand prepayment of fees at RMA's option. Client shall pay all costs incurred by RMA in collecting any delinquent amount, including staff time, court costs and attorney fees. Failure to make payment within sixty (60) days of invoice shall constitute a release of RMA from any and all claims which Client may have, either in tort or contract, and whether known or unknown at the time. Should Services based on a fee schedule be performed beyond the end of the calendar year, RMA's current fee schedule shall apply unless otherwise negotiated in advance.

**18. TERMINATION.** This Agreement may be terminated without cause by either party upon thirty (30) days written notice, and at any time by either party if the other party defaults in the performance of any material provision of this Agreement and such default continues for a period of seven (7) days after written notice thereof. In the event of termination, RMA will be paid for Services performed through the date of termination, plus reasonable termination expenses, including the cost of completing analyses, demobilization, records and reports necessary to document job status at the time of termination.

**19. ENTIRE AGREEMENT.** This Agreement constitutes the entire agreement between the parties and shall supersede other prior agreements and representations. No amendments to this Agreement shall be valid unless made in writing and signed by the parties. If Client uses its standard business forms all pre-printed terms and conditions contained in or on such forms shall be deemed stricken and null and void. If the terms and conditions of this Agreement conflict with the terms and conditions of any other agreement or document this Agreement shall govern and control over any such conflict. The invalidity or unenforceability of any portion(s) of this Agreement shall in no way affect the validity or enforceability of any other portion(s) hereof. Any invalid or unenforceable portion shall be severed from the Agreement and the balance of the Agreement shall be construed and enforced as if the Agreement did not contain a particular portion held to be invalid or unenforceable. This Agreement may be executed in several counterparts, each of which shall be deemed an original having identical legal effect. The titles, captions and headings of this Agreement are included for ease of reference only and will be disregarded in interpreting or construing this Agreement. RMA shall not be bound by any language incorporating by reference any contract or term of any contract unless the term or terms incorporated by reference are specifically furnished to RMA and are expressly agreed to in a writing signed by RMA.



Proposal No: 00-241172-P

April 8, 2024

Lowell Joint School District  
11537 Grovedale Dr  
Whittier, CA 90604

Attention: David Bennett

Subject: Proposal to Provide Construction Inspection and Testing Services  
Meadow Green Elementary School  
12025 Groverdale Dr  
Whittier, CA

In response to your request, we propose to provide construction inspection and testing services for the Meadow Green Elementary School Marquee Sign project.

## **PROJECT UNDERSTANDING**

We understand that the project will consist of installation of a new free standing marquee sign. Based on our review of provided plans we understand that construction inspection and testing services will be required during construction of the sign.

Therefore we have prepared this proposal to outline the scope of work required to provide services, in accordance with the project requirements.

## **SCOPE OF WORK**

Our proposed scope of work will consist of anchor inspection, concrete inspection and welding inspection. A detailed description of the tasks required to complete this scope of work and an estimate of the costs associated with our work are detailed herein.

### **Special Inspection and Testing of Post Installed Anchors**

This scope of services will include performing special inspection and testing as required of post installed anchors for compliance with the approved plans, job specifications, ICC-ES reports, and building codes.

We will provide an inspector certified by ICC to perform inspection of the installation of post installed anchors. These inspections typically consist of epoxy dowel, wedge anchor, and hold downs. He shall make a list of defective work and a manner of correction of defects.



This scope of work may also include pull or torque testing of installed anchors as required by the project plans or job specifications. We will provide a technician to perform the required testing on a randomly selected number of anchors based on the frequency of testing specified.

The results of all tests and inspections will be provided to the designated representative in written daily reports of inspection and testing.

### **Special Inspection and Testing of Reinforced Concrete Construction**

This scope of services will include engineering review of concrete mix designs, inspection of concrete batch plant operations, special inspection of reinforced concrete construction and field sampling and laboratory testing of concrete and reinforcing steel used in concrete construction for the project.

Our materials engineer would review mix designs submitted by the contractor and the results of tests performed on the aggregates. A written report of our review of the concrete mix design submittal will be prepared upon the completion of the work.

This scope of work will include the inspection of concrete batch plant operations. We will provide an inspector during concrete batch plant operations to monitor the batch weights and provide periodic inspection of the aggregate stockpiles and cement bins. Written reports of all inspections will be provided on a daily basis and at the completion of the work.

We will provide an ICC certified special inspector to perform inspection of the concrete form work, reinforcing steel placement, and concrete placements. He will perform periodic inspection of the formwork for shape, location and dimensions of the concrete member being formed. He will provide periodic inspection to verify the proper size and placement of reinforcing steel and embedded anchors.

Our inspector will provide continuous inspection during the placement of structural concrete to verify proper application techniques. Our inspector will sample fresh concrete and obtain samples for strength testing, perform slump tests and monitor the temperature of the concrete. A set of test cylinders will be made from each <100> cubic yards of concrete or fraction thereof for each class of concrete placed each day. Four test cylinders will be cast for each set.

Strength test cylinders will be cured in our laboratory until they are tested in accordance to ASTM C192. Compression tests would be performed in accordance to ASTM C39 at 7 and 28 days, respectively. Copies of the results of all compression tests will be provided upon completion of the test.



Samples of the reinforcing steel to be used for production of concrete would be tested in accordance to ASTM A370 and A615 test methods. Written reports of all tests presenting applicable information would be prepared at the completion of testing.

**Structural Steel Shop and Field Welding**

This scope of services will consist of inspection of structural steel shop fabrication and shop and field welding procedures and completed welds for conformance to approved plans, specifications, and building codes.

We will provide an inspector that has been certified by AWS as a special inspector for welding. His work would consist of inspection of all welds made in the shop and / or field for compliance of the approved plans and job specifications. He shall make a systematic record of all welds, including a list of defective welds and a manner of correction of defects. The inspector will check the material, equipment, details of construction and procedures, as well as the welds. He would also check the ability of the welder. He would also check the ability of the welder. Our inspector will perform periodic inspection during fit up and fabrication of structural steel to verify the materials utilized are properly marked and traceable. He will collect mill certifications for the materials and inspect joint details to verify conformance at each connection.

Non Destructive testing of the completed welds will be performed as required. The inspector may use Ultra Sonic, Magnetic Particle or Dye Penetrants as appropriate to inspect completed welds and assure the adequacy of the welding.

**TERMS**

We propose to perform the previously described services on an hourly or test rate basis in accordance to the attached fee schedule. Our estimate is based on information given to RMA Group David Bennett and the following assumed construction durations. Our estimate of charges for the proposed services is as follows:

<b>Construction Activity</b>	<b>Estimated Costs</b>
Special Inspection and Testing of Post Installed Anchors	\$2,565.00
Special Inspection and Testing of Reinforced Concrete Construction	\$5,690.00
Structural Steel Shop and Field Welding	\$2,155.00
<b>TOTAL</b>	<b>\$10,410.00</b>

Our estimate may vary due to circumstances that may develop during the course of the work or due to extended construction duration. If a change in the scope of work becomes necessary due to unforeseen conditions, which will increase the charges, we will obtain your authorization before proceeding.

Invoices for our services will be rendered at the completion of the work and upon completion of the report. Invoices are due and payable upon presentation. Should the duration of the job exceed one month, monthly invoices will be presented for services performed.



Any amount not paid within 30 days of the date due will bear interest at a rate of 18% per annum. In the event legal action is instituted to enforce this agreement, the prevailing party will be entitled to reasonable attorney fees.

**PROFESSIONAL INSURANCE**

We maintain the following insurance coverage. Certificates of insurance will be provided upon request. However, our professional liability insurance carrier (errors and omissions) will not name any additional insured.

General liability	\$1,000,000.00 limit
Professional Liability	\$1,000,000.00 limit
Workmen's Compensation	\$1,000,000.00 limit

**CLOSURE**

By signing below, you hereby authorize RMA Group to proceed with services outlined in this proposal or requested by you and agree that all services and anything arising out of or in any way related to this proposal will be governed by RMA Group's Fee Schedule and General Conditions which are attached hereto and are incorporated herein by reference. This authorization to proceed constitutes an agreement between you and RMA Group and is made in consideration of the mutual promises and covenants contained herein and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged.

Thank you for the opportunity to submit this proposal. We look forward to working with you on this project. If you have any questions regarding this proposal, please contact the undersigned.

Authorized By:

Submitted By:

RMA Group

\_\_\_\_\_  
(Signature)

*Bob Summers*  
\_\_\_\_\_

Bob Summers  
Project Manager

\_\_\_\_\_  
(Print or Type Name)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Date)

<TITLE>



**ESTIMATE WORKSHEET**

**Special Inspection and Testing of Post Installed Anchors**

Item	Quantity	Unit	Unit Price	Total
Special Inspector Post Installed Anchors	8	HR	\$120.00	\$960.00
Pull   Torque Testing Technician	8	HR	\$120.00	\$960.00
Administrative	2	HR	\$70.00	\$140.00
Project Engineer - Office	1	HR	\$190.00	\$190.00
Project Manager – Office	1	HR	\$165.00	\$165.00
Proof Load Testing Equipment	1	DAY	\$150.00	\$150.00
<b>Subtotal:</b>				<b>\$2,565.00</b>





**ESTIMATE WORKSHEET**

**Special Inspection and Testing of Reinforced Concrete Construction**

Item	Quantity	Unit	Unit Price	Total
Special Inspector Reinforced Concrete	8	HR	\$120.00	\$960.00
Special Inspector Concrete Batch Plant	8	HR	\$120.00	\$960.00
Pick-up and Delivery of Test Specimens	2	HR	\$100.00	\$200.00
ID Reinforcing or Structural Steel	8	HR	\$120.00	\$960.00
ACI Concrete Technician	8	HR	\$120.00	\$960.00
ASTM C39 Concrete Cyl Cured or Tested	8	EA	\$50.00	\$400.00
ASTM A370 Rebar Tension up to #8	2	EA	\$70.00	\$140.00
ASTM A370 Bend Test Rebar up to #8	2	EA	\$60.00	\$120.00
Administrative	4	HR	\$70.00	\$280.00
Project Engineer - Office	2	HR	\$190.00	\$380.00
Project Manager - Office	2	HR	\$165.00	\$330.00
<b>Subtotal:</b>				<b>\$5,690.00</b>



**ESTIMATE WORKSHEET**

**Structural Steel Shop and Field Welding**

Item	Quantity	Unit	Unit Price	Total
AWS Certified Welding Inspector- Field	8	HR	\$120.00	\$960.00
AWS Certified Welding Inspector- Shop	8	HR	\$120.00	\$960.00
Administrative	1	HR	\$70.00	\$70.00
Project Manager - Office	1	HR	\$165.00	\$165.00
<b>Subtotal:</b>				<b>\$2,155.00</b>



## SCHEDULE OF FEES

### Personnel Charges - Professional Staff

Product Name	Units	Rate (\$)
Project Engineer - Laboratory	HR	\$190.00
Administrative	HR	\$70.00
Principal Engineer - Office	HR	\$220.00
Principal Engineer - Field	HR	\$220.00
Principal Engineer - Consultation	HR	\$220.00
Principal Engineer - Job Conference	HR	\$220.00
Principal Engineer - Expert Witness	HR	\$500.00
Principal Engineer - Court Appearance	HR	\$600.00
Project Engineer - Office	HR	\$190.00
Project Engineer - Field	HR	\$190.00
Project Engineer - Consultation	HR	\$190.00
Project Engineer - Job Conference	HR	\$190.00
Staff Engineer - Office	HR	\$145.00
Staff Engineer - Field	HR	\$145.00
Drafting	HR	\$110.00
Project Manager - Office	HR	\$165.00
Project Manager - Field	HR	\$165.00
Project Manager - Job Conference	HR	\$165.00
Principal Geologist - Office	HR	\$200.00
Principal Geologist - Field	HR	\$200.00
Principal Geologist - Consultation	HR	\$200.00
Principal Geologist - Job Conference	HR	\$200.00
Principal Geologist - Expert Witness	HR	\$450.00
Principal Geologist - Court Appearance	HR	\$550.00
Project Geologist - Office	HR	\$180.00
Project Geologist - Field	HR	\$180.00
Project Geologist - Consultation	HR	\$180.00
Project Geologist - Job Conference	HR	\$180.00
Qualified SWPPP Developer QSD	HR	\$160.00
Staff Geologist - Office	HR	\$145.00
Staff Geologist - Field	HR	\$145.00
Qualified SWPPP Practitioner QSP	HR	\$150.00

### Personnel Charges - Field Staff

Product Name	Units	Rate (\$)
Soils Engineering Technician	HR	\$120.00
Soils Technician Compaction Testing	HR	\$120.00
Soils Technician Rough Grading	HR	\$120.00
Soils Technician Retesting	HR	\$120.00
Public Works Inspector	HR	\$125.00
Public Works Technician	HR	\$120.00
Public Works Inspector - Asphalt Paving	HR	\$120.00
Public Works Inspector - Asphalt Plant	HR	\$120.00
Public Works Inspector - Concrete Paving	HR	\$120.00
Public Works Inspector - Concrete Plant	HR	\$120.00
Public Works Technician - Asphalt	HR	\$120.00
Public Works Technician - Concrete	HR	\$120.00
Laboratory Technician - Field Lab	HR	\$120.00
Lead Roadway and Structures Inspector	HR	\$130.00

Lowell Joint School District  
Meadow Green Elementary School Marquee Sign  
Whittier, CA

RMA Proposal No.00-241172-P

April 8, 2024

Page 8 of 18



### SCHEDULE OF FEES

Structures Inspector	HR	\$135.00
Roadway Inspector	HR	\$130.00
Civil Inspector	HR	\$135.00
Building Inspector	HR	\$140.00
Special Inspector (ICC)	HR	\$120.00
Mechanical   Electrical Inspector	HR	\$135.00
Special Inspector Reinforced Concrete	HR	\$120.00
Special Inspector Prestressed Concrete	HR	\$120.00
Special Inspector Concrete Batch Plant	HR	\$120.00
ACI Concrete Technician	HR	\$120.00
Pick-up and Delivery of Test Specimens	HR	\$100.00
ID Reinforcing or Structural Steel	HR	\$120.00
Special Inspector Fire Proofing	HR	\$120.00
Special Inspector Post Installed Anchors	HR	\$120.00
Special Inspector Roofing/Waterproofing	HR	\$120.00
Special Inspector Masonry	HR	\$120.00
Special Inspector Masonry (DSA)	HR	\$120.00
Special Inspector Shotcrete	HR	\$120.00
Special Inspector Post Tensioned Concrete	HR	\$120.00
Special Inspector Fire Stopping	HR	\$125.00
AWS Certified Welding Inspector- Field	HR	\$120.00
AWS Certified Welding Inspector- Shop	HR	\$120.00
Special Inspector Structural Steel	HR	\$120.00
Special Inspector High Strength Bolting	HR	\$120.00
Special Inspector Wood Construction	HR	\$130.00
Non Destructive Testing ASNT Level II	HR	\$125.00
Non Destructive Testing ASNT Level III	HR	\$250.00
Coatings Technician	HR	\$130.00
Special Inspector Fiber Wrap	HR	\$120.00
Radiographic Testing Crew	HR	\$500.00
Pull   Torque Testing Technician	HR	\$120.00
Project Inspector (IOR)	HR	\$145.00
Asphalt Coring	HR	\$135.00
Concrete Coring	HR	\$135.00
Horizontal Wall Coring	HR	\$135.00
Assistant Wall Coring	HR	\$130.00
Supervising Soil Technician	HR	\$150.00
Supervising Public Works Inspector	HR	\$150.00
Supervising Special Inspector	HR	\$150.00
Quality Control Manager	HR	\$155.00
Reinforced Polymer Special Inspector	HR	\$150.00

#### Laboratory Tests - Steel

Product Name	Units	Rate (\$)
ASTM E605 Spray Applied Fireproofing Den	EA	\$135.00
ASTM A370 Rebar Tension up to #8	EA	\$70.00
ASTM A370 Rebar Tension #9 to #11	EA	\$85.00
ASTM A370 Rebar Tension #14	EA	\$125.00
ASTM A370 Rebar Tension #18	EA	\$180.00
ASTM A370 Bend Test Rebar up to #8	EA	\$60.00
ASTM A370 Bend Test Rebar #9 to #11	EA	\$70.00

Lowell Joint School District  
 Meadow Green Elementary School Marquee Sign  
 Whittier, CA

RMA Proposal No.00-241172-P  
 April 8, 2024  
 Page 9 of 18



### SCHEDULE OF FEES

ASTM A370 Bend Test Rebar #14	EA	\$125.00
ASTM A370 Bend Test Rebar # 18	EA	\$180.00
ASTM A370 Headed Bar Prod. Lot up to #8	LOT	\$275.00
ASTM A370 Headed Bar Prod. Lot #9 to #11	LOT	\$335.00
ASTM A370 Headed Bar Prod. Lot #14	LOT	\$515.00
ASTM A370 Headed Bar Prod. Lot #18	LOT	\$670.00
ASTM A416 Stress-Strain Analysis	EA	\$250.00
ASTM A416 Tensile Test Only	EA	\$175.00
ASTM A370 Tensile Up to 100K lbs (Each)	EA	\$85.00
ASTM A370 Tensile Up to 200K lbs (Each)	EA	\$100.00
ASTM A370 Tensile Up to 300K lbs (Each)	EA	\$120.00
ASTM A370 Tensile Up to 400K lbs (Each)	EA	\$180.00
ASTM A370 Tensile 400K - 500K lbs (Each)	EA	\$365.00
ASTM A370 Tensile Stress-Strain Percent	EA	\$205.00
AWS Weld: Macroetch	EA	\$120.00
AWS Weld: Fracture	EA	\$95.00
AWS Bend Test	EA	\$85.00
ASTM A370 Rockwell Hardness (Each)	EA	\$120.00
Steel Chemical Analysis	EA	\$255.00
ASTM F606 Bolt Axial Tensile to 7/8"	EA	\$70.00
ASTM F606 Bolt Wedge Tensile to 7/8"	EA	\$100.00
ASTM F606 Bolt: Axial 7/8" - 1 1/2"	EA	\$105.00
ASTM F606 Bolt Wedge Tens 7/8" to 1 1/2"	EA	\$120.00
ASTM F606 Bolt: Proof Load up to 7/8"	EA	\$110.00
ASTM F606 Bolt: Proof Load up to 1 1/2"	EA	\$135.00
ASTM F606 Nut: Proof Load up to 7/8"	EA	\$75.00
ASTM F606 Nut: Proof Load up to 1 1/2"	EA	\$120.00

#### Laboratory Tests - Soil

Product Name	Units	Rate (\$)
ASTM D4318 Plasticity Index of Soils	EA	\$335.00
ASTM D1883 California Bearing Ratio	EA	\$750.00
ASTM D2435 Consolidation	EA	\$295.00
ASTM D2435 Consolidation with Time Rate	EA	\$355.00
ASTM D3080 Direct Shear, Consol&Drained	EA	\$285.00
ASTM D4829 Expansion Index of Soils	EA	\$270.00
ASTM D2166 Unconfined Comp Strength	EA	\$335.00
ASTM D5333 Hydro Collapse Potential	EA	\$260.00
ASTM D2050 Tri-Axial Shear Strength	EA	\$550.00
ASTM D2937 In-Place Density, Drive Cyl	EA	\$75.00
ASTM D2216 Soil Moisture Content by Mass	EA	\$55.00
ASTM D698 Maximum Density Std Effort	EA	\$350.00
ASTM D1557 Max Density Optimum Moisture	EA	\$350.00
ASTM D2974 Moisture, Ash, Organic Matter	EA	\$120.00
ASTM D4972 pH of Soils	EA	\$125.00
ASTM D2844 R-Value & Expansive Pressures	EA	\$480.00
ASTM D2434 Const Head Permeability Test	EA	\$470.00
ASTM D422 Sieve Analysis of Soil	EA	\$260.00
ASTM D1140 Materials Finer than #200	EA	\$160.00
ASTM D422 Hydrometer Analysis	EA	\$395.00
ASTM D854 Specific Gravity of Soils	EA	\$295.00

Lowell Joint School District  
 Meadow Green Elementary School Marquee Sign  
 Whittier, CA

RMA Proposal No.00-241172-P  
 April 8, 2024  
 Page 10 of 18



### SCHEDULE OF FEES

ASTM D4546 Swell Potential	EA	\$260.00
ASTM D4943 Shrinkage Factor by Resin	EA	\$290.00
ASTM D559 Soil Cement Sample Preparation	EA	\$160.00
ASTM D558 Soil-Cement Maximum Density	EA	\$395.00
ASTM D1633 Compression Test Soil Cement	EA	\$130.00
AASHTO T100 Specific Gravity of Soils	EA	\$295.00

#### Laboratory Tests - Masonry

Product Name	Units	Rate (\$)
ASTM C140 Block Compressive Strength	SET	\$100.00
ASTM C140 Block Moisture & Absorption	SET	\$110.00
ASTM C426 Block Linear Shrinkage	SET	\$375.00
ASTM C140 Block Unit Wt & Dimensions	SET	\$265.00
ASTM C90 Masonry Block Conformance	SET	\$740.00
ASTM C67 Brick Compressive Strength	SET	\$125.00
ASTM C67 Brick Moisture & Absorption	SET	\$110.00
ASTM C67 Brick 5 Hour Boil	EA	\$135.00
ASTM C67 Brick Modulus of Rupture	EA	\$135.00
ASTM C780 Mortar Cylinder Compression	EA	\$50.00
ASTM C1019 Grout Prism Compression	EA	\$55.00
ASTM C1314 Masonry Core Comp Str 8" Max	EA	\$120.00
ASTM C1314 Masonry Core Shear Str 8" Max	EA	\$130.00
ASTM E519 Assemblage Comp Str 8" Block	EA	\$155.00
ASTM E519 Assemblage Comp Str 12" Block	EA	\$140.00
ASTM E519 Assemblage Comp Str 16" Block	EA	\$175.00
ASTM C109 Compressive Strength 2" Cube	EA	\$75.00

#### Laboratory Tests - Concrete

Product Name	Units	Rate (\$)
ASTM C39 Concrete Cyl Cured or Tested	EA	\$50.00
ASTM C42 Compressive Strength, Core	EA	\$120.00
ASTM C39 Cyl Tested out of Sequence	EA	\$80.00
ASTM C495 Lightweight Concrete Strength	EA	\$75.00
ASTM C78 Flexural Strength, Beam	EA	\$135.00
ASTM C1140 Shotcrete Panel Test	SET	\$450.00
ASTM C138 Unit Weight of Concrete	EA	\$90.00
ASTM C649 Concrete Modulus of Elasticity	EA	\$275.00
ASTM C157 Concrete Shrinkage (Set of 3)	SET	\$650.00
ASTM C496 Splitting Tensile Test	EA	\$125.00
ASTM C495 Density - Lightweight Concrete	EA	\$240.00
T 336 Coefficient of Thermal Expansion	EA	\$750.00

#### Laboratory Tests - Caltrans

Product Name	Units	Rate (\$)
CT202 Sieve Analysis, Combined Agg	EA	\$275.00
CT202 Sieve Analysis, Fine Agg	EA	\$210.00
CT202 Sieve Analysis, Coarse Agg	EA	\$195.00
CT235 Flat and Elongated Particles	EA	\$400.00
CT205 Percentage Crushed Particles	EA	\$275.00
CT206 Specific Gravity, Coarse Aggregate	EA	\$195.00

Lowell Joint School District  
 Meadow Green Elementary School Marquee Sign  
 Whittier, CA

RMA Proposal No.00-241172-P  
 April 8, 2024  
 Page 11 of 18



### SCHEDULE OF FEES

CT207 Specific Gravity, Fine Aggregate	EA	\$295.00
CT208 Apparent Specific Gravity of Fines	EA	\$295.00
CT229 Durability Index	EA	\$455.00
CT234 Angularity & Voids, Fine Agg	EA	\$295.00
CT211 Abrasion, Los Angeles Rattler	EA	\$375.00
CT227 Cleanness Value	EA	\$420.00
CT213 Organic Impurities in Sand	EA	\$135.00
CT214 Soundness by Sodium Sulfate	EA	\$650.00
CT226 Moisture Content by Oven Drying	EA	\$65.00
CT217 Sand Equivalent	EA	\$190.00
CT308(A) Core Density Paraffin Coated	EA	\$85.00
CT308(C) Core Density SSD	EA	\$75.00
CT303 Approximate Bitumen Ratio	EA	\$335.00
CT304/308(A) LTMD Kneading Compactor	EA	\$480.00
CT305 Swell of Bituminous Mixtures	EA	\$550.00
CT366 Stabilometer Value	EA	\$395.00
CT308(A)/366 Stability and Density	EA	\$490.00
CT308(C)/366 Stability and Density	EA	\$470.00
CT309 Maximum Theoretical Density	EA	\$295.00
CT370 Moisture Content by Microwave	EA	\$110.00
CT379 Asphalt Content Nuclear Gauge	EA	\$275.00
CT382 Ignition Oven Correction Factor	EA	\$550.00
CT382 Asphalt Content by Ignition	EA	\$275.00
CT371 Tensile Strength Ratio	EA	\$1,470.00
CT302 Film Stripping	EA	\$335.00
CT521 Concrete Cyl Compressive Strength	EA	\$50.00
CT523 Concrete Flexural Strength, Beam	EA	\$135.00
CT531 Length of Drilled Concrete Cores	EA	\$75.00
CT550 Surface Abrasion of Concrete	EA	\$535.00
CT534 Water Retention, Liq Curing Cmpnd	EA	\$570.00
CT521 Compressive Strength LCB	EA	\$50.00
CT524 RSC Flexural Strength, Beam	EA	\$135.00
CT515 Relative Mortar Strength, PCC Sand	EA	\$900.00
CT670 Tensile Strength up to #8	EA	\$95.00
CT670 Tensile Strength #8 - #11	EA	\$120.00
CT670 Tensile Strength #14	EA	\$180.00
CT670 Tensile Strength #18	EA	\$255.00
CT 52-1-08C Slip Test	EA	\$275.00
CT670 Operator Qualification up to #8	LOT	\$550.00
CT670 Operator Qualification #9 - #11	LOT	\$655.00
CT670 Operator Qualification #14	LOT	\$950.00
CT670 Operator Qualification #18	LOT	\$1,235.00
CT670 Operator Qualification up to #8	EA	\$550.00
CT670 Operator Qualification #9 - #11	EA	\$675.00
CT670 Operator Qualification #14	EA	\$950.00
CT670 Operator Qualification #18	EA	\$1,235.00
CT670 Production Lot up to #8 (Service)	LOT	\$355.00
CT670 Production Lot #9 to #11 (Service)	LOT	\$475.00
CT670 Production Lot #14 (Service)	LOT	\$635.00
CT670 Production Lot #18 (Service)	LOT	\$825.00
CT670 Production Lot up to #8 (Ultimate)	LOT	\$455.00



### SCHEDULE OF FEES

CT670 Production Lot #9 to #11(Ultimate)	LOT	\$490.00
CT670 Production Lot #14 (Ultimate)	LOT	\$790.00
CT670 Production Lot #18 (Ultimate)	LOT	\$1,350.00
CT204 Plasticity Index, Atterberg	EA	\$355.00
CT209 Specific Gravity of Soil	EA	\$295.00
CT216 CA Impact Max Density	EA	\$325.00
CT216 CA Impact, Rock Correction	EA	\$95.00
CT301 Resistance R-Value Stabilometer	EA	\$450.00
CT417 Soluble Sulfates	EA	\$155.00
CT422 Chloride Content	EA	\$135.00
CT643 Resistivity and pH	EA	\$155.00

#### Laboratory Tests - Asphalt

Product Name	Units	Rate (\$)
ASTM D2726 Core Density (SSD)	EA	\$75.00
ASTM D1188 Core Density Parafilm Coated	EA	\$85.00
ASTM D6926 Lab Max Density Marshall	EA	\$395.00
ASTM D6927 Marshal Stability and Flow	EA	\$480.00
ASTM D1561 LTMD Kneading Compactor	EA	\$395.00
ASTM D1560 Hveem Stability and Density	EA	\$490.00
ASTM D1560 Hveem Stability	EA	\$375.00
ASTM D2041 Maximum Theoretical Density	EA	\$295.00
ASTM D6307 Ignition Oven Calibration	EA	\$550.00
ASTM D6307 Asphalt Content by Ignition	EA	\$285.00
ASTM D2172 Asphalt Content by Solvents	EA	\$475.00
ASTM D4125 Asphalt Content Nuclear Gauge	EA	\$335.00
ASTM D5444 Gradation of Extracted Agg	EA	\$335.00
ASTM D244 Emulsion Residue Evaporation	EA	\$280.00
ASTM D244 Emulsion Sieve Analysis	EA	\$185.00
ASTM D3910 Wet Track Abrasion	EA	\$285.00
AASHTO T324 Hamburg Wheel Tracking Test	EA	\$1,100.00
AASHTO T283 Tensile Strength Ratio	EA	\$1,200.00
AASHTO T275 Core Density Paraffin Coated	EA	\$85.00
AASHTO T312/T275 LTMD Gyrotory Compactor	EA	\$480.00
AASHTO T308 Asphalt Content by Ignition	EA	\$285.00
AASHTO T209 Theoretical Maximum Density	EA	\$295.00
AASHTO T308A AC Correction Factor	EA	\$550.00
AASHTO T324 Hamburg Wheel Tracking - RHMA	EA	\$1,100.00
AASHTO T283 Tensile Strength Ratio - RHMA	EA	\$1,200.00
AASHTO T312/T275 LTMD Gyrotory Comp.- RHMA	EA	\$480.00

#### Laboratory Tests - Aggregates

Product Name	Units	Rate (\$)
ASTM C131 Abrasion, Los Angeles Rattler	EA	\$375.00
ASTM C40 Organic Impurities in Fine Agg	EA	\$135.00
ASTM C127 Specific Gravity, Coarse Agg	EA	\$255.00
ASTM C128 Specific Gravity, Fine Agg	EA	\$290.00
ASTM C1252 Angularity & Voids, Fine Agg	EA	\$280.00
ASTM C566 Moisture Content by Drying	EA	\$35.00
ASTM C117 Materials Finer than No. 200	EA	\$160.00
ASTM D2419 Sand Equivalent	EA	\$180.00

Lowell Joint School District  
 Meadow Green Elementary School Marquee Sign  
 Whittier, CA

RMA Proposal No.00-241172-P  
 April 8, 2024  
 Page 13 of 18





**SCHEDULE OF FEES**

ASTM C289 Alkali-Silica Reactivity	EA	\$950.00
ASTM D4791 Flat & Elongated Particles	EA	\$395.00
ASTM D5821 Percent Fractured Particles	EA	\$275.00
ASTM C123 Percent Lightweight Particles	EA	\$295.00
ASTM C88 Soundness by Sodium Sulfate	EA	\$635.00
ASTM C136 Sieve Analysis, Combined Agg	EA	\$290.00
ASTM C136 Sieve Analysis, Fine Agg	EA	\$265.00
ASTM C136 Sieve Analysis, Coarse Agg	EA	\$255.00
ASTM C142 Clay Lumps & Friable Particles	EA	\$260.00
ASTM C535, Abrasion Large Aggregate	EA	\$465.00
AASHTO T304 Angularity & Voids in Fines	EA	\$255.00
AASHTO T84 Specific Gravity, Fine Agg	EA	\$280.00
AASHTO T85 Specific Gravity, Coarse Agg	EA	\$255.00
AASHTO T96 Abrasion, Los Angeles Rattler	EA	\$375.00
AASHTO T27 Sieve Analysis, Combined Agg	EA	\$290.00
AASHTO T27 Sieve Analysis, Fine Agg	EA	\$285.00
AASHTO T27 Sieve Analysis, Coarse Agg	EA	\$255.00
AASHTO T176 Sand Equivalent	EA	\$180.00
AASHTO T335 Percent Fractured Particles	EA	\$255.00

**Equipment Charges**

Product Name	Units	Rate (\$)
Portable Drilling Equipment	HR	\$750.00
Mobile Laboratory Trailer Mobilization	EA	\$1,500.00
Mobile Laboratory Trailer & Testing Equipment	DAY	\$700.00
Stationary Laboratory Trailer & Testing Equipment	MO	\$1,500.00
Mileage	MILE	Quote
Diamond Bit Core Rig and Generator	DAY	\$750.00
Nuclear Density Test Gauge	DAY	\$35.00
Hand Held Turbidity Meter	DAY	\$50.00
Ultrasonic Test Unit and Consumables	DAY	\$50.00
Magnetic Particle Test Unit	DAY	\$100.00
Skidmore	DAY	\$80.00
Schmidt Hammer	DAY	\$100.00
Torque Wrench	DAY	\$80.00
Proof Load Testing Equipment	DAY	\$150.00
Drilling Equip Mobilization / De-Mob	EA	\$800.00
ASTM C1028 Coefficient of Friction	DAY	\$800.00
Mini Environmental Quality Meter	DAY	\$400.00
Inertial Profiler	DAY	\$2,000.00
Materials / Supplies	LS	Quote
Holiday Tester	DAY	\$250.00
VOC Meter	DAY	\$200.00
Misc Permits	LS	Quote
Misc Fees	HR	Quote
Misc Subconsultant	LS	Quote
Set of Aerial Photographs	EA	Quote
Blueprinting	EA	Quote
Dutch Cone Penetrometer with Operator	HR	\$875.00
Hollow Stem Auger Drill Rig w/ Operator	HR	\$775.00
Portable Drilling Equipment w/ Operator	HR	\$750.00

Lowell Joint School District  
 Meadow Green Elementary School Marquee Sign  
 Whittier, CA

RMA Proposal No.00-241172-P  
 April 8, 2024  
 Page 14 of 18



### SCHEDULE OF FEES

Bucket Auger Drill Rig with Operator	HR	\$875.00
Air Rotary Drill Rig with Operator	HR	\$900.00
Rotary Wash Drill Rig with Operator	HR	\$950.00
Per Diem	DAY	\$150.00

#### GENERAL CHARGES

RMA Group requires twenty-four (24) hour prior notification for scheduling inspectors and/or technicians.

Inspection charges start at the scheduled show up time at the job site. All inspection hours will be billed in the following increments:

There will be a minimum two (2) hour charge for any RMA Group employee presence on site.

Any time less than four (4) hours of work will be billed as four (4) hours.

Four (4) to eight (8) hours will be billed as eight (8) hours.

When personnel are required to work in excess of 5 hours without an uninterrupted meal period of 30 minutes, due to project constraints, ½ hour will be charged at double time rates in addition to any applicable hours worked.

Rates are valid through June 30, 2024. Rates for personnel will increase by 5% per year on July 1st of each subsequent year.

Outside services will be billed at cost plus 15% unless billed directly to and paid for by Client.

Requests made by client for management attendance at meetings at the project site will be charged at standard rate.

Administrative/clerical support will be charged at 3% of the monthly direct charges.

#### OVERTIME CHARGES

Work performed in excess of 8 hours per day and / or up to eight (8) hours on Saturdays will be billed at 1.50 times the unit rate.

Work performed on Sunday, recognized holidays, or in excess of eight (8) hours on Saturdays will be billed at 2.00 times the unit rate.

A 20% surcharge will be applied for laboratory tests performed on a Saturday or Sunday.

#### PER DIEM AND TRAVEL CHARGES

A \$150.00 charge per day will be applied when our personnel are required to stay overnight at remote locations.

Time will be billed at the unit rate while traveling to a remote location or if a location requires an overnight stay

Mileage for travel outside a 50 mile radius from either the project site or the nearest RMA facility whichever is closest, will be charged at a rate of \$0.60 per mile.

#### NIGHT WORK

A \$5.00 per hour surcharge will be added to all personnel rates for work performed during night shifts.



## GENERAL CONDITIONS

**AGREEMENT.** This agreement is made by and between RMA Group ("RMA") and the party that accepted RMA's proposal or requested that RMA perform Services ("Client"). RMA shall include said company, its engineers, employees, insurers, or authorized representative. This "Agreement" includes RMA's proposal and any exhibits or attachments noted in the proposal or incorporated by reference including but not limited to these General Conditions. Requesting Services from RMA shall constitute acceptance of the terms of these General Conditions.

**1. SCOPE OF SERVICES.** Services means the service(s) performed by RMA for Client or at Client's direction. RMA's findings, opinions, and recommendations are based upon data and information obtained by and furnished to RMA at the time of the Services. RMA may rely upon information provided by the Client or third parties. Client may request additional work or changes beyond the scope of Services described in RMA's Proposal. If any alteration or addition of Services are requested by the Client, RMA may provide a written notification detailing the additional scope of work, time extension and associated fees for Client's review. Client shall provide written acceptance of such. If Client does not follow these procedures, but instead directs, authorizes, or permits RMA to perform the changed or additional work, the Services are changed accordingly and RMA will be paid for this work according to its written notification or current fee schedule.

**2. DELAYS.** RMA shall be entitled to an equitable adjustment to the project schedule and compensation to compensate RMA for any increase in time or costs necessary to perform the Services under this Agreement due to any cause beyond its reasonable control. All promises of services time are approximations by RMA and are subject to the Client and contractor's schedules, weather conditions, travel conditions, disputes with workmen or parties, accidents, strikes, natural disasters, health emergencies, discovery of hazardous materials, differing or unforeseeable site conditions or project conditions, acts of governmental agencies or authorities, or other causes. In no event shall RMA be responsible for any damage or expense due to delays from any cause, other than to the extent the damage or expense is directly caused by RMA's own proven negligence after having been warned in writing by the Client of the damage or expense which may result from the delay.

**3. RMA RESPONSIBILITIES.** Services performed by RMA under this Agreement will be conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the same profession currently providing the same or similar services under similar circumstances in the same locality and in accordance with applicable standards in effect at the time the Services are performed. RMA MAKES NO OTHER REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. Testing or inspection services may require the destruction of a sample or sample location. Client understands that, in the normal course of performing the Services, some damage may occur, and understands that RMA is not responsible for the correction of any such damage or for replacing samples. Client acknowledges that opinions, data, interpretations and recommendations prepared by RMA are based on limited data and recognizes that subsurface conditions or other actual conditions may vary from those encountered at the location where inspections, tests, borings, surveys, or explorations are made by RMA and may vary from those depicted on logs of discrete borings, test pits, or other exploratory services. There is an inherent risk that samples or observations may not be representative of materials or locations not sampled or seen and that conditions may change over time. Variations

between inspected or tested discrete locations may occur and the risk of such occurrence is understood and accepted by Client. Client is responsible for notifying the appropriate party or professional regarding the correction of any deviations or deficiencies noted by RMA and RMA accepts no liability in connection therewith. RMA shall not be responsible for the interpretation by others of information developed by RMA and makes no guarantee that RMA's recommendations are properly implemented by any party. RMA shall not be held liable for problems that may occur if RMA's recommendations are not followed.

**4. SUBSURFACE EXPLORATIONS.** Client understands RMA's layout of boring and test locations is approximate and that RMA may deviate a reasonable distance from those locations. Client acknowledges that it is impossible for RMA to know the exact composition of a site's subsurface, even after conducting a comprehensive exploratory program. There is a risk that drilling and sampling may result in contamination of certain subsurface areas. Client waives any claim against, and agrees to defend, indemnify and save RMA harmless from any claim or liability for injury or loss which may arise as a result of subsurface contamination caused by drilling, sampling, or monitoring well installation. Client also agrees to adequately compensate RMA for any time spent and expenses incurred in defense of any such claim.

**5. CLIENT PARTICIPATION.** Client will make available to RMA all information in its possession regarding existing and proposed conditions at the site. Such information shall include, but not be limited to engineering reports, plot plans, topographic surveys, hydrographic data, soil data including borings, field and laboratory tests and written reports. Client shall immediately transmit to RMA any new information concerning site condition which becomes available, and any change in plans or specifications concerning the project. RMA shall not be liable for any inaccurate or incorrect advice, judgment or decision which is based on any inaccurate information furnished by Client and Client shall indemnify RMA against claims, demands, or liability arising out of, or contributed to, by such inaccurate information. In the event Client, the project owner, or other party makes any changes in the plans and specifications, Client agrees to hold RMA harmless from any liability arising out of such changes, and Client assumes full responsibility unless Client has given RMA prior notice and has received RMA's written consent for such changes. RMA does not assume responsibility for any conditions at the Client's site(s) that may present a danger, either potential or real, to health, safety, or the environment. Client hereby agrees that it is the Client's responsibility to notify any and all appropriate federal, state, or local authorities, as required by law, of the existence of any such potential or real danger and otherwise to disclose to all appropriate or affected individuals or entities, in a timely manner, any information that may be necessary to prevent any danger to health, safety, or the environment. Client assumes sole responsibility for determining whether the quantity and the nature of services ordered by Client is adequate and sufficient for Client's intended purpose.

**6. THIRD PARTIES** To the fullest extent permitted by law and to the extent not resulting from RMA's proven negligence, Client agrees to defend, indemnify and hold RMA harmless from any claims, demands, suits, losses, charges, expense (including attorney fees and costs at trial and appeal), and/or allegations of responsibility by any and all third parties including but not limited to, contractors, subcontractors, agents, employees, assignees transferees, successors, invitees, neighbors, and the public relating in any way to this Agreement, the



services, or the project. It is expressly understood and agreed that the enforcement of these terms and conditions shall be reserved to the Client and RMA. Nothing contained in this Agreement shall give or allow any claim or right of action whatsoever by any third person. It is the express intent of the Client and RMA that any such person or entity, other than Client or RMA, receiving services or benefits under this Agreement shall be deemed an incidental beneficiary. Neither party may assign this Agreement or any right or obligation hereunder without the prior written consent of the other party, which shall not be unreasonably withheld or delayed; provided, however, that no consent shall be necessary in the event of an assignment to a successor entity resulting from a merger, acquisition or consolidation by or of RMA or an assignment to an affiliate or subsidiary of RMA.

**7. SAMPLE DISPOSAL.** Samples are consumed in testing or disposed of upon completion of tests or upon report completion (unless stated otherwise in the Services). Client acknowledges that contaminated drill cuttings, sample spoils, wash water, and other materials may be produced as a result of encountering hazardous materials at the site. In such event, Client shall be responsible for their proper transportation and disposal. RMA may be able to arrange for the transportation and disposal of hazardous materials at Client's request. In no event shall RMA be required to sign a hazardous waste manifest or take title to any hazardous materials. Contaminated samples delivered to or taken to RMA's laboratory for testing shall remain the property of Client and Client is responsible for ultimate disposal of any samples which are found to be contaminated. On request, Client shall retrieve contaminated samples from RMA's laboratory and dispose of them in an approved manner.

**8. DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS.** Client shall furnish to RMA all documents and information known or available to Client that relate to the identity, location, quantity, nature, or characteristic of any hazardous waste, toxic, radioactive, or contaminated materials prior to commencement of the Services. Client warrants that it has made reasonable efforts to disclose known or suspected hazardous materials on or near the project site. Client agrees that the discovery of such unanticipated hazardous materials constitutes a changed condition which may require either a re-negotiation of the scope of RMA's Services or termination of such Services or this Agreement. Client recognizes that the discovery of hazardous materials may necessitate immediate protective measures to safeguard the public health and safety and agrees to compensate RMA for measures that in RMA's professional opinion are justified to preserve and protect the health and safety of site personnel and the public. Client agrees to compensate RMA for any equipment decontamination or other costs incident to the discovery of unanticipated hazardous materials. Client agrees that in the event of the discovery of hazardous materials at the site it will report such discovery to the proper authorities as required by federal, state, and local regulations. Client also agrees to inform the project site owner in the event that hazardous materials are encountered at the site. Notwithstanding any other provision of the agreement, Client waives any claim against RMA, and to the maximum extent permitted by law, agrees to defend, indemnify, and save RMA harmless from any claim, liability and/or defense costs for injury or loss arising from the presence of hazardous materials on the project site.

**9. SITE CONDITIONS.** Client shall secure all necessary approvals, notices, permits, licenses, and consents from all owners, lessees, contractors, and other possessors of the Project, necessary to

commence and complete the Services, and will provide RMA access to the project site for all equipment and personnel necessary for the performance of the Services. RMA shall be allowed free access to the site. Client understands and agrees that RMA shall only be responsible for losses which directly result from RMA's negligence. Client is responsible for the accuracy of locations for all subterranean structures and utilities. Client waives any claim against RMA, and agrees to defend, indemnify, and hold RMA harmless from any claim or liability for injury or loss of any party, including costs of defense, arising from damage done to subterranean structures and utilities not identified or accurately located. In addition, Client agrees to compensate RMA for any time spent or expenses incurred by RMA in defense of any such claim.

**10. ENVIRONMENTAL LIABILITY.** Neither this Agreement nor the providing of services will operate to make RMA an owner, operator, generator, transporter, treater, storer, or arranger for disposal or treatment within the meaning of the Resource Conservation Recovery Act, Comprehensive Environmental Response Compensation and Liability Act, or within the meaning of any other law governing the handling, treatment, storage, or disposal of hazardous materials. Client will indemnify, defend and hold RMA harmless from and against any and all losses, damages, costs and expenses, including attorney's fees, from third party claims, demands and causes of action arising or claimed to arise from violations by Client of any and all environmental laws, rules and regulations relating to the existence, generation of, current or future ownership, storage, transport or disposal of pre-existing hazardous substances and wastes, but this indemnity shall not cover such loss, damage, cost or expense to the extent caused by RMA's proven negligence in performing the Services under this Agreement. For purposes of this Agreement, a pre-existing hazardous substance is any hazardous substance or hazardous waste having been generated by Client or existing on Client's premises prior to the date of this Agreement.

**11. OWNERSHIP AND LEGAL USE OF DOCUMENTS.** All notes, data, reports, original final reproducible drawings, plans, specifications, calculations, and studies memoranda assembled or prepared by RMA are instruments of service with respect to the subject project, and RMA shall retain an ownership and property interest therein, whether or not the project is completed. The Client may make and retain copies for information and reference in connection with the subject project; however, such documents are not intended or represented to be suitable for re-use by the Client or others. Any modification, changes, or reuse without written verification or adaptation by RMA for the specific purpose intended will be at the Client's sole risk and without liability or legal exposure to RMA, and the Client agrees to indemnify and hold harmless RMA against any and all costs, expenses, fees, losses, claims, demands, liabilities, suits, actions, and damages whatsoever arising out of or resulting therefrom.

**12. ALLOCATION OF RISK AND LIMITATION OF LIABILITY.** The parties have evaluated the respective risks and remedies under this Agreement and agree to allocate the risks and restrict the remedies to reflect that evaluation. Notwithstanding any other provision to the contrary in this Agreement and to the fullest extent permitted by law, Client agrees to restrict its remedies under this Agreement against RMA, its parents, affiliates and subsidiaries ("RMA Covered Parties"), so that the total aggregate liability of RMA Covered Parties shall not exceed \$50,000 or the actual paid compensation for the services performed by RMA under this Agreement, whichever is greater. This restriction of remedies shall



apply to all suits, claims, actions, losses, costs (including attorney fees) and damages of any nature arising from or related to this Agreement without regard to the legal theory under which such liability is imposed. Claims must be brought within one calendar year from performance of the Services.

**13. LIABILITY FOR OTHERS.** RMA shall not be responsible for supervising or overseeing the Client's contractors or for their means and methods, procedures, performance, or site safety. RMA shall not be responsible for the acts or omissions of the Client, owner, architect, architect's other consultants, contractor, subcontractors, other third parties or their respective agents, employees, assigns, successors, or any other persons ("Others"). RMA shall have no authority to control Others regarding their work or their safety practices. RMA does not control or guarantee the work of Others. RMA has no duty to inspect or correct health and safety deficiencies of Others. RMA will not be responsible for the failure of Others to perform in accordance with their undertakings and the providing of RMA's services shall not relieve Others of their responsibilities to the Client or Others. RMA reserves the right to report to the Client any unsafe conditions observed at the Project without altering the foregoing.

**14. CONSEQUENTIAL DAMAGES WAIVER.** Notwithstanding anything to the contrary in this agreement and to the fullest extent permitted by law, Client and RMA waive against each other any and all claims for or entitlement to special, incidental, indirect, consequential, delay, punitive, or similar losses or damages arising out of, resulting from, or in any way related to the project or this Agreement.

**15. INSURANCE.** RMA will maintain the following insurance coverages and amounts: (1) Workers Compensation insurance as required by law, (2) Employer's Liability insurance with coverage of \$1,000,000 per each accident/employee, (3) Commercial General Liability insurance with coverage of \$1,000,000 per occurrence/aggregate, (4) Automobile Liability insurance with coverage of \$1,000,000 combined single limit, and (5) If RMA is providing professional services, Professional Liability insurance with coverage of \$1,000,000 per claim/aggregate. Client shall name RMA as additional insured on its Builder's Risk policy. Client shall require any general contractors working on the project site to include RMA in any indemnity that the Client requires such contractors to provide to the Client and as an additional insured under any such contractor's general liability insurance policy. Client shall provide RMA with a certificate of insurance evidencing the required insurance.

**16. RESOLUTION OF DISPUTES.** Client shall not be entitled to assert a Claim against RMA based on any theory of professional negligence unless and until Client has obtained the written opinion from an independent and reputable Professional Engineer (P.E.), licensed architect (A.I.A.), or Registered Geologist (R.G.) that RMA has violated the standard of care applicable to RMA's performance of the Services. Such party shall be currently practicing in the same discipline as RMA and be licensed in the state where the project is located. This written opinion shall specify the acts or omissions that the independent engineer, architect, or geologist contends are not in conformance with the standard of care for professional services performed by local consultants under similar circumstances; and state in detail the basis for their independent opinion that such acts or omissions do not conform to that standard of care. Client shall provide this opinion to RMA and the parties shall endeavor to resolve the dispute within 30 days. This Agreement shall be governed by and construed in accordance with the laws of the state where the RMA office originating the work or proposal

is located. Exclusive of lien claims, any legal action or proceeding brought to enforce or otherwise arising out of or relating to this Agreement shall be brought in the county where the RMA office originating the work or proposal is located. Each party waives its right to a jury trial in any court action arising between the parties, whether under this Agreement or otherwise related to the work being performed under this Agreement.

**17. COMPENSATION AND PAYMENT TERMS.** Client agrees that an invoice amount is due when received unless otherwise agreed. A service charge of one and one-half percent (1-½%) per month (but not exceeding the maximum allowable by law) will be added to any account not paid within 30 days after the invoice date. In the event that any portion of the account remains unpaid 30 days after the invoice date, RMA may immediately discontinue Services on any and all projects for Client, or withhold any final report or instrument of service, or demand prepayment of fees at RMA's option. Client shall pay all costs incurred by RMA in collecting any delinquent amount, including staff time, court costs and attorney fees. Failure to make payment within sixty (60) days of invoice shall constitute a release of RMA from any and all claims which Client may have, either in tort or contract, and whether known or unknown at the time. Should Services based on a fee schedule be performed beyond the end of the calendar year, RMA's current fee schedule shall apply unless otherwise negotiated in advance.

**18. TERMINATION.** This Agreement may be terminated without cause by either party upon thirty (30) days written notice, and at any time by either party if the other party defaults in the performance of any material provision of this Agreement and such default continues for a period of seven (7) days after written notice thereof. In the event of termination, RMA will be paid for Services performed through the date of termination, plus reasonable termination expenses, including the cost of completing analyses, demobilization, records and reports necessary to document job status at the time of termination.

**19. ENTIRE AGREEMENT.** This Agreement constitutes the entire agreement between the parties and shall supersede other prior agreements and representations. No amendments to this Agreement shall be valid unless made in writing and signed by the parties. If Client uses its standard business forms all pre-printed terms and conditions contained in or on such forms shall be deemed stricken and null and void. If the terms and conditions of this Agreement conflict with the terms and conditions of any other agreement or document this Agreement shall govern and control over any such conflict. The invalidity or unenforceability of any portion(s) of this Agreement shall in no way affect the validity or enforceability of any other portion(s) hereof. Any invalid or unenforceable portion shall be severed from the Agreement and the balance of the Agreement shall be construed and enforced as if the Agreement did not contain a particular portion held to be invalid or unenforceable. This Agreement may be executed in several counterparts, each of which shall be deemed an original having identical legal effect. The titles, captions and headings of this Agreement are included for ease of reference only and will be disregarded in interpreting or construing this Agreement. RMA shall not be bound by any language incorporating by reference any contract or term of any contract unless the term or terms incorporated by reference are specifically furnished to RMA and are expressly agreed to in a writing signed by RMA.

LOWELL JOINT SCHOOL DISTRICT

RESOLUTION 2023/24 NO. 929

**A RESOLUTION OF THE BOARD OF TRUSTEES  
OF THE LOWELL JOINT SCHOOL DISTRICT  
OF LOS ANGELES AND ORANGE COUNTIES, CALIFORNIA,  
RESOLUTION APPROVING GUARANTEED MAXIMUM PRICE (GMP)  
FOR THE MEADOW GREEN ELEMENTARY SCHOOL PROJECT  
TO ERICKSON-HALL CONSTRUCTION**

**WHEREAS**, the Lowell Joint School District (“District”) plans to perform electrical switchgear replacement work at Meadow Green Elementary School (“Project”) utilizing the lease-leaseback construction delivery method, whereby the District will lease the site that it owns to a contractor who will construct improvements thereon and lease the Project and the underlying site back to the District;

**WHEREAS**, Education Code Section 17406 authorizes the governing board of a school district to let to any person, firm or corporation any real property belonging to the District if the instrument by which the property is let requires the lessee therein to construct on the demised premises, or provide for the construction thereon of, a building or buildings for the use of the school district during the term of the lease, and provides that title to that building shall vest in the school district at the expiration of that term;

**WHEREAS**, the selection of any lease-leaseback proposer pursuant to Education Code section 17406 shall be based on a competitive solicitation process and a contract shall be awarded to the proposer providing the “best value” to the school district, taking into consideration the proposer’s demonstrated competence and professional qualifications necessary for the satisfactory performance of the services required;

**WHEREAS**, pursuant to Education Code section 17400(b)(1), “best value” means a competitive procurement process whereby the selected proposer is selected on the basis of objective criteria for evaluating the qualifications of proposers with the resulting selection representing the best combination of price and qualifications;

**WHEREAS**, on January 10, 2022, the District’s Board of Education adopted the Resolution approving the Pre-construction Services Agreement and the Request for Proposals (“RFP”) for the Projects setting forth the criteria and scoring of the proposals, including relevant experience, safety record, price proposal, and other criteria specified by the District;

**WHEREAS**, the RFP previously approved by the Board included the form Lease-Leaseback Agreement;

**WHEREAS**, a Proposal Evaluation Committee evaluated the qualifications of the proposals based upon the criteria and evaluation methodology set forth in the RFP, assigned scores to each proposal, and once the evaluation process was complete, the District determined the proposer with the best value score;

**WHEREAS**, based on the Proposal Evaluation Committee’s assessment of proposals, Erickson-Hall construction (“Contractor”) achieved the highest best value score;

**WHEREAS**, the District desires the Contractor to perform Pre-construction Services at Meadow Green Elementary School; and

**WHEREAS**, in order to construct the Project using the lease-leaseback construction delivery method, it is necessary that the District enter into a site lease, in which the site will be leased to the Contractor; which provides for the sublease of the site and the lease of the Project by the Contractor back to the District; and a construction services agreement that contains construction provisions with which Contractor shall comply with respect to the construction of the Project (collectively, “Lease-Leaseback Agreement”).

**NOW, THEREFORE, THE BOARD OF EDUCATION OF THE LOWELL JOINT SCHOOL DISTRICT DOES HEREBY RESOLVE, DETERMINE, AND ORDER AS FOLLOWS:**

**Section 1.**     Recitals. All of the recitals herein contained are true and correct.

**Section 2.**     Determination of Best Value Contractor. The Lowell Joint School District implemented a RFP process and in accordance with Education Code section 17406, determined that Contractor was responsive and received the best value score based on the evaluation of objective criteria contained in the RFP.

**Section 3.**     Award of Pre-construction Services Agreement. The District’s Board of Education hereby awards Pre-construction Services Agreements included in the RFP to Contractor for Meadow Green Elementary School, for an amount not to exceed \$33,868.

**Section 4.**     Award of Lease-Leaseback Agreement. The District’s Board of Education hereby awards lease-leaseback contract to Contractor for the Project. The Lease-Leaseback Agreement which includes the Sublease, Site Lease and Construction Services Agreement were included in the RFP.

**Section 5.**     Guaranteed Maximum Price. After pre-construction services were completed, and subcontractors selected by the Contractor for the Projects, the guaranteed maximum price shall be \$1,013,662 for the Project. The District’s Board of Education must approve the final guaranteed maximum price prior to the start of any construction work on any Project. Pre-construction services shall be provided pursuant to a Pre-construction Services Agreement approved by the District’s Board of Education.

**Section 6.**     Other Acts; Delegation. The District’s Board of Education hereby approves a delegation of authority and appoints its Superintendent, or his or her designee, who is hereby authorized and directed to negotiate and finalize the Pre-construction Services Agreements and Lease-Leaseback Agreements, and to carry out the intent of this Resolution. All actions taken pursuant to this delegation of authority shall be subject to ratification of the Board. Said delegation shall be valid until otherwise rescinded by the Board.

**Section 7.** Effective Date. This Resolution shall take effect upon adoption.

**APPROVED, PASSED AND ADOPTED** by the Board of Education of the Lowell Joint School District this 6th day of May, 2024, by the following vote:

**AYES:** Anastasia Shackelford, Anthony Zegarra, Christine Berg, Karen Shaw, Regina Woods

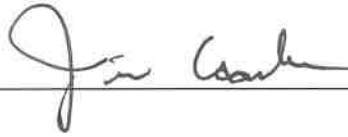
**NOES:** None

**ABSTAIN:** None

**ABSENT:** None

I, Jim Coombs, Secretary to the Board of Trustees of the Lowell Joint School District of Los Angeles and Orange Counties California, hereby certify that the above and foregoing was duly and regularly adopted by the said Board at a regular meeting thereof held on the 6<sup>th</sup> day of May, 2024, and passed by a unanimous vote of those present.

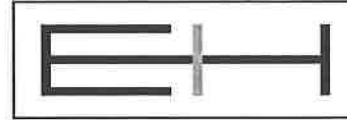
**IN WITNESS WHEREOF,** I have hereunto set my hand and seal the 6<sup>th</sup> day of May, 2024.

A handwritten signature in cursive script, appearing to read "Jim Coombs", is written above a horizontal line.

Jim Coombs, Secretary to the Board of Trustees



Erickson-Hall Construction Co.  
 Guaranteed Maximum Price  
 April 9, 2024



Erickson-Hall Construction  
 An Employee Owned Company

	Meadow Green ES - Switchgear Replacement	Preliminary GMP
1	Survey & Utility Locating	8,525
2	Final Clean	3,375
3	Erosion Control	19,368
4	Landscaping	35,488
5	Fencing	30,155
6	Earthwork & Demolition	102,500
7	Striping	3,000
8	Concrete & Reinforcing Steel	63,101
9	Structural Steel	6,175
10	Electrical	361,717
11	Site Specific Conditions	79,242
	<b>Subtotal</b>	<b>712,646</b>
	General Conditions	129,946
	Preconstruction	33,868
	Contingency 10%	71,265
	COC Insurance	5,659
	G/L Insurance 1%	9,477
	Bond 1%	9,477
	Fee 4.25%	41,324
	<b>Guaranteed Maximum Price</b>	<b>1,013,662</b>



State of California  
 Commission on Teacher Credentialing  
 Certification Division  
 1900 Capitol Avenue  
 Sacramento, CA 95811-4213

Email: [credentials@ctc.ca.gov](mailto:credentials@ctc.ca.gov)  
 Website: [www.ctc.ca.gov](http://www.ctc.ca.gov)

## DECLARATION OF NEED FOR FULLY QUALIFIED EDUCATORS

Original Declaration of Need for year: 2024  
 Revised Declaration of Need for year: 2025

### FOR SERVICE IN A SCHOOL DISTRICT OR DISTRICT/COUNTY AUTHORIZED CHARTER SCHOOL

Name of District or Charter: Lowell Joint School District District CDS Code: 64766  
 Name of County: Orange County County CDS Code: 30

By submitting this annual declaration, the district is certifying the following:

- A diligent search, as defined below, to recruit a fully prepared teacher for the assignment(s) was made
- If a suitable fully prepared teacher is not available to the school district, the district will make a reasonable effort to recruit based on the priority stated below

The governing board/body of the school district or charter school specified above adopted a declaration at a regularly scheduled public meeting held on 5/6/2024 certifying that there is an insufficient number of certificated persons who meet the district's specified employment criteria for the position(s) listed on the attached form. The attached form was part of the agenda, and the declaration did NOT appear as part of a consent calendar.

► **Enclose a copy of the board agenda item**

With my signature below, I verify that the item was acted upon favorably by the board. The declaration shall remain in force until June 30, 2025.

Submitted by (Superintendent, Board Secretary, or Designee):

<u>Jim Coombs</u>		<u>Superintendent of Schools</u>
<small>Name</small>	<small>Signature</small>	<small>Title</small>
<u>562-947-7874</u>	<u>562-902-4203</u>	<u>May 6, 24</u>
<small>Fax Number</small>	<small>Telephone Number</small>	<small>Date</small>

11019 Valley Home Avenue, Whittier, CA 90603  
Mailing Address

jcoombs@ljsd.org  
Email Address

### FOR SERVICE IN A COUNTY OFFICE OF EDUCATION, STATE AGENCY OR NONPUBLIC SCHOOL AGENCY

Name of County \_\_\_\_\_ County CDS Code \_\_\_\_\_  
 Name of State Agency \_\_\_\_\_  
 Name of NPS/NPA \_\_\_\_\_ County of Location \_\_\_\_\_

The Superintendent of the County Office of Education or the Director of the State Agency or the Director of the NPS/NPA specified above adopted a declaration on \_\_\_/\_\_\_/\_\_\_, at least 72 hours following his or her public announcement that such a declaration would be made, certifying that there is an insufficient number of certificated persons who meet the county's, agency's or school's specified employment criteria for the position(s) listed on the attached form.

The declaration shall remain in force until June 30, \_\_\_\_\_.

► **Enclose a copy of the public announcement**

Submitted by Superintendent, Director, or Designee:

_____	_____	_____
<i>Name</i>	<i>Signature</i>	<i>Title</i>
_____	_____	_____
<i>Fax Number</i>	<i>Telephone Number</i>	<i>Date</i>
_____		
<i>Mailing Address</i>		
_____		
<i>E-Mail Address</i>		

► *This declaration must be on file with the Commission on Teacher Credentialing before any emergency permits will be issued for service with the employing agency*

**AREAS OF ANTICIPATED NEED FOR FULLY QUALIFIED EDUCATORS**

Based on the previous year's actual needs and projections of enrollment, please indicate the number of emergency permits the employing agency estimates it will need in each of the identified areas during the valid period of this Declaration of Need for Fully Qualified Educators. This declaration shall be valid only for the type(s) and subjects(s) identified below.

This declaration must be revised by the employing agency when the total number of emergency permits applied for exceeds the estimate by ten percent. Board approval is required for a revision.

<b>Type of Emergency Permit</b>	<b>Estimated Number Needed</b>
CLAD/English Learner Authorization (applicant already holds teaching credential)	1 _____
Bilingual Authorization (applicant already holds teaching credential)	1 _____
List target language(s) for bilingual authorization: Spanish	
Resource Specialist	1 _____
Teacher Librarian Services	1 _____
Emergency Transitional Kindergarten (ETK)	_____ _____

**LIMITED ASSIGNMENT PERMITS**

Limited Assignment Permits may only be issued to applicants holding a valid California teaching credential based on a baccalaureate degree and a professional preparation program including student teaching.

Based on the previous year's actual needs and projections of enrollment, please indicate the number of Limited Assignment Permits the employing agency estimates it will need in the following areas. Additionally, for the Single Subject Limited Assignment Permits estimated, please include the authorization(s) which will be requested:

TYPE OF LIMITED ASSIGNMENT PERMIT	ESTIMATED NUMBER NEEDED
Multiple Subject	1
Single Subject	1
Special Education	1
TOTAL	3

**Authorizations for Single Subject Limited Assignment Permits**

SUBJECT	ESTIMATED NUMBER NEEDED	SUBJECT	ESTIMATED NUMBER NEEDED
Agriculture		Mathematics	
Art		Music	1
Business		Physical Education	
Dance		Science: Biological Sciences	
English		Science: Chemistry	
Foundational-Level Math		Science: Geoscience	
Foundational-Level Science		Science: Physics	
Health		Social Science	1
Home Economics		Theater	
Industrial & Technology Education		World Languages (specify)	

**EFFORTS TO RECRUIT CERTIFIED PERSONNEL**

The employing agency declares that it has implemented in policy and practices a process for conducting a diligent search that includes, but is not limited to, distributing job announcements, contacting college and university placement centers, advertising in local newspapers, exploring incentives included in the Teaching as a Priority Block Grant (refer to [www.cde.ca.gov](http://www.cde.ca.gov) for details), participating in state and regional recruitment centers and participating in job fairs in California.

If a suitable fully prepared teacher is not available to the school district, the district made reasonable efforts to recruit an individual for the assignment, in the following order:

- A candidate who qualifies and agrees to participate in an approved internship program in the region of the school district
- An individual who is scheduled to complete initial preparation requirements within six months

**EFFORTS TO CERTIFY, ASSIGN, AND DEVELOP FULLY QUALIFIED PERSONNEL**

Has your agency established a District Intern program?

Yes  No

If no, explain. \_\_\_\_\_

Does your agency participate in a Commission-approved college or university internship program?

Yes  No

If yes, how many interns do you expect to have this year? <sup>1</sup> \_\_\_\_\_

If yes, list each college or university with which you participate in an internship program.

National University  
\_\_\_\_\_  
\_\_\_\_\_

If no, explain why you do not participate in an internship program.

\_\_\_\_\_  
\_\_\_\_\_

**LOWELL JOINT SCHOOL DISTRICT**

**RESOLUTION 2023/24 NO. 930**

**RESOLUTION OF THE BOARD OF TRUSTEES OF THE  
LOWELL JOINT SCHOOL DISTRICT  
OF LOS ANGELES AND ORANGE COUNTIES, CALIFORNIA,  
IMPLEMENTING  
*EDUCATION CODE 44256(b)***

**WHEREAS**, current statues and regulations recognize that there may be situations of a temporary nature in which a teacher with the appropriate credential is not available to the school district, and

**WHEREAS**, *Education Code 44256(b)* allows the holder of a Multiple Subject or Standard Elementary Teaching Credential to teach, with his or her consent, any subject in departmentalized classes below grade 9 if the teacher has completed twelve semester units, or six upper division or graduate semester units of course work at an accredited institution, in the subject to be taught, and

**WHEREAS**, the authorization shall be with the teacher's consent, and

**WHEREAS**, the Board of Trustees of the Lowell Joint School District desires to utilize *Education Code 44256(b)* for Stephanie Austin, and

**WHEREAS**, the subject to be taught is Social Science at Rancho-Starbuck Junior High School,

**THEREFORE, BE IT RESOLVED**, that the Board of Trustees authorizes Stephanie Austin to teach Social Science at Rancho-Starbuck Junior High School under *Education Code 44256(b)*, effective for the 2024-2025 school year and to terminate when Social Science is no longer being taught by Stephanie Austin.

**APPROVED AND ADOPTED** this 6<sup>th</sup> day of May, 2024, by the following vote:

**AYES:**Anastasia Shackelford, Anthony Zegarra, Christine Berg, Karen Shaw, Regina Woods

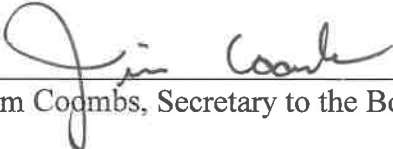
**NOES:** None

**ABSTAIN:** None

**ABSENT:** None

I, Jim Coombs, Secretary to the Board of Trustees of the Lowell Joint School District of Los Angeles and Orange Counties, California, hereby certify that the above and foregoing resolution was duly and regularly adopted by the said Board at a regular meeting thereof held on the 6<sup>th</sup> day of May, 2024, and passed by a unanimous vote of those present.

**IN WITNESS WHEREOF**, I have hereunto set my hand and seal this 6<sup>th</sup> day of May, 2024.

  
\_\_\_\_\_  
Jim Coombs, Secretary to the Board of Trustees

## **NOTICE OF PUBLIC HEARING**

### **LOWELL JOINT SCHOOL DISTRICT**

**The Lowell Joint School District will hold a Public Hearing pursuant to Education Code Section 60119 and 60422 (b) The District is required to hold a public hearing to encourage participation by parents, teachers, members of the community interested in the affairs of the School District, and bargaining unit leaders.**

**NOTICE IS HEREBY GIVEN** that the Board of Trustees of the Lowell Joint School District will approve the attached agreements with the Classified School Employees Association at its regular board meeting to be held in the Board Room at the District Office, 11019 Valley Home Avenue, Whittier CA, on Monday, May 6, 2024, at approximately 7:30 p.m. or soon thereafter.

Assembly Bill (AB) 1200 (Chapter 1213/Statutes 1991) requires local educational agencies to publicly disclose the provisions of all collective bargaining agreements before entering into a written agreement. Government Code (GC) Section 3547.5 states:

“Before a public school employer enters into a written agreement with an exclusive representative covering matters within the scope of representation, the major provisions of the agreement, including, but not limited, the costs that would be incurred by the public school employer under the agreement for the current and subsequent fiscal years, shall be disclosed at a public meeting of the public school employer...”

Questions and/or comments should be directed to Jim Coombs, Superintendent of Schools, (562) 943-0211.

**Orange County Department of Education  
District Fiscal Services**

**PUBLIC DISCLOSURE OF COLLECTIVE BARGAINING AGREEMENT  
in Accordance with AB 1200 (Chapter 1213/1991), GC 3547.5, and CCR, Title V, Section 15449**

Lowell Joint School District - California School Employees Association, Chapter

**School District - Bargaining Unit:** 294 (CSEA)

**Certificated, Classified, Other:** Classified

The proposed agreement covers the period beginning: July 1, 2023 and ending: June 30, 2026  
(date) (date)

The Governing Board will act upon this agreement on: May 6, 2024  
(date)

**A. Proposed Change in Compensation**

Compensation	Annual Cost Prior to Proposed Agreement FY	Fiscal Impact of Proposed Agreement		
		Year 1 Increase/(Decrease) 2023-24	Year 2 Increase/(Decrease) 2024-25	Year 3 Increase/(Decrease) 2025-26
1 Salary Schedule Increase (Decrease)	\$ 5,914,173.00	\$ 648,643 10.97%	\$ - 0.00%	\$ - 0.00%
2 Step and Column Increase (Decrease) Due to movement plus	\$ 106,455.11	\$ 1,916 1.80%	\$ 1,951 1.83%	\$ 1,986 1.87%
3 Other Compensation - Increase (Decrease) (Stipends, Bonuses, Longevity, Overtime, etc.)  Description of other compensation:	\$ -	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%
4 Statutory Benefits - STRS, PERS, FICA, WC, UI, Medicare etc.	\$ 2,129,575	\$ 234,253 11.00%	\$ - 0.00%	\$ - 0.00%
5 Health/Welfare Plans	\$ 1,259,132	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%
6 Total Compensation - Increase (Decrease) (Total Lines 1-5)	\$ 9,409,335.53	\$ 884,812	\$ 1,951	\$ 1,986
7 Total Number of Represented Employees	146.70	146.70	146.70	146.70
8 Total Compensation Average Cost per Employee	\$ 64,140	\$ 6,031 9.40%	\$ 13 0.02%	\$ 14 0.02%



9. What was the negotiated percentage increase approved? For example, if the increase in "Year 1" was for less than a full year, what is the annualized percentage of that increase for "Year 1"?

Year 1 (2023-24) the negotiated percentage increase is 11.0%, beginning July 1, 2023.

10. Were any additional steps, columns, or ranges added to the schedules? (If yes, please explain.)

No

11. Please include comments and explanations as necessary.

Contract is closed for 2024-25. Reopeners for four (4) articles in the 2025-26 fiscal year.

12. Does this bargaining unit have a negotiated cap for Health and Welfare benefits? Yes  No

If yes, please describe the cap amount.

Soft Cap equal to the CalPERS Kaiser Family rate.

- B. Proposed Negotiated Changes in Noncompensation Items** (i.e., class size adjustments, staff development days, teacher prep time, classified staffing ratios, etc.)

N/A

- C. What are the specific impacts on instructional and support programs to accommodate the settlement?** Include the impact of changes such as staff reductions or increases, program reductions or increases, elimination or expansion of other services or programs (i.e., counselors, librarians, custodial staff, etc.)

This settlement will necessitate staff reductions in the 2024-25, 2025-26, and 2026-27 school years.

**D. What contingency language is included in the proposed agreement?** Include specific areas identified reopeners, applicable fiscal years, and specific contingency language.  
Either side may open up to 4 Articles in the 2025-26 fiscal year. No other contingency or trigger language.

**E. Will this agreement create, increase or decrease deficit financing in the current or subsequent year(s)?**  
"Deficit Financing" is defined to exist when a fund's expenditures and other financing uses exceed its revenues and other financing sources in a given year. If yes, explain the amounts and justification for doing so.

The increase in settlement cost will create deficit spending in the current and out years. The school district will spend down a portion of the Ending Fund Balance while making the necessary reductions in the out years.

**F. Identify other major provisions that do not directly affect the district's costs, such as binding arbitrations, grievance procedures, etc.**

N/A

**G. Source of Funding for Proposed Agreement**

1. Current Year

\$20 Million Ending Fund Balance (approximately 45% of expenditures)

2. If this is a single year agreement, how will the ongoing cost of the proposed agreement be funded in subsequent years (i.e., what will allow the district to afford this contract)?

N/A

3. If this is a multiyear agreement, what is the source of funding, including assumptions used, to fund these obligations in subsequent years? (Remember to include compounding effects in meeting obligations.)

This agreement will reduce the Ending Fund Balance to an appropriate level while management utilizes assumptions that reduce FTE's where necessary. In addition, Board Assignments and Commitments are being deferred.

**H. IMPACT OF PROPOSED AGREEMENT ON CURRENT YEAR OPERATING BUDGET**

**Unrestricted General Fund**

Enter Bargaining Unit: **California School Employees Association, Chapter 294 (CSEA)**

	Column 1	Column 2	Column 3	Column 4
	Latest Board- Approved Budget Before Settlement (As of 1/31/2024 )	Adjustments as a Result of Settlement	Other Revisions	Total Current Budget (Columns 1+2+3)
<b>REVENUES</b>				
Local Control Funding Formula Sources (8010-8099)	\$ 35,660,397	\$ -	\$ -	\$ 35,660,397
Remaining Revenues (8100-8799)	\$ 1,280,640	\$ -	\$ -	\$ 1,280,640
<b>TOTAL REVENUES</b>	\$ 36,941,037	\$ -	\$ -	\$ 36,941,037
<b>EXPENDITURES</b>				
Certificated Salaries (1000-1999)	\$ 15,545,629	\$ -	\$ -	\$ 15,545,629
Classified Salaries (2000-2999)	\$ 3,734,653	\$ 391,660	\$ -	\$ 4,126,313
Employee Benefits (3000-3999)	\$ 8,367,184	\$ 141,029	\$ -	\$ 8,508,213
Books and Supplies (4000-4999)	\$ 2,514,365	\$ -	\$ -	\$ 2,514,365
Services, Other Operating Expenses (5000-5999)	\$ 2,285,758	\$ -	\$ -	\$ 2,285,758
Capital Outlay (6000-6599)	\$ 212,199	\$ -	\$ -	\$ 212,199
Other Outgo (7100-7299) (7400-7499)	\$ 21,525	\$ -	\$ -	\$ 21,525
Direct Support/Indirect Cost (7300-7399)	\$ (199,455)	\$ -	\$ -	\$ (199,455)
Other Adjustments				
<b>TOTAL EXPENDITURES</b>	\$ 32,481,858	\$ 532,690	\$ -	\$ 33,014,548
OPERATING SURPLUS (DEFICIT)	\$ 4,459,179	\$ (532,690)	\$ -	\$ 3,926,489
TRANSFERS IN & OTHER SOURCES (8910-8979)	\$ -	\$ -	\$ -	\$ -
TRANSFERS OUT & OTHER USES (7610-7699)	\$ -	\$ -	\$ -	\$ -
CONTRIBUTIONS (8980-8999)	\$ (5,028,099)	\$ -	\$ -	\$ (5,028,099)
CURRENT YEAR INCREASE (DECREASE) IN FUND BALANCE	\$ (568,920)	\$ (532,690)	\$ -	\$ (1,101,610)
BEGINNING BALANCE	\$ 13,575,989			\$ 13,575,989
Prior-Year Adjustments/Restatements (9793/9795)				\$ -
CURRENT-YEAR ENDING BALANCE	\$ 13,007,069	\$ (532,690)	\$ -	\$ 12,474,379
<b>COMPONENTS OF ENDING BALANCE:</b>				
Nonspendable Reserves (9711-9719)	\$ 30,000	\$ -	\$ -	\$ 30,000
Restricted Reserves (9740)	\$ -	\$ -	\$ -	\$ -
Stabilization Arrangements (9750)	\$ -	\$ -	\$ -	\$ -
Other Commitments (9760)	\$ 10,555,088	\$ (532,690)		\$ 10,022,398
Other Assignments (9780)				\$ -
Reserve for Economic Uncertainties (9789)	\$ 1,446,053			\$ 1,446,053
Unassigned/Unappropriated (9790)	\$ 975,928			\$ 975,928

\* Please see question on page 7.

**H. IMPACT OF PROPOSED AGREEMENT ON CURRENT YEAR OPERATING BUDGET**

**Restricted General Fund**

Enter Bargaining Unit: **California School Employees Association, Chapter 294 (CSEA)**

	Column 1	Column 2	Column 3	Column 4
	Latest Board- Approved Budget Before Settlement (As of 1/31/2024 )	Adjustments as a Result of Settlement	Other Revisions	Total Current Budget (Columns 1+2+3)
<b>REVENUES</b>				
Local Control Funding Formula Sources (8010-8099)	\$ -	\$ -	\$ -	\$ -
Remaining Revenues (8100-8799)	\$ 8,243,824	\$ -	\$ -	\$ 8,243,824
<b>TOTAL REVENUES</b>	\$ 8,243,824	\$ -	\$ -	\$ 8,243,824
<b>EXPENDITURES</b>				
Certificated Salaries (1000-1999)	\$ 5,155,429	\$ -	\$ -	\$ 5,155,429
Classified Salaries (2000-2999)	\$ 3,108,422	\$ 258,899	\$ -	\$ 3,367,321
Employee Benefits (3000-3999)	\$ 3,036,858	\$ 93,224	\$ -	\$ 3,130,082
Books and Supplies (4000-4999)	\$ 2,548,781	\$ -	\$ -	\$ 2,548,781
Services, Other Operating Expenses (5000-5999)	\$ 1,110,177	\$ -	\$ -	\$ 1,110,177
Capital Outlay (6000-6599)	\$ 242,681	\$ -	\$ -	\$ 242,681
Other Outgo (7100-7299) (7400-7499)	\$ 474,397	\$ -	\$ -	\$ 474,397
Direct Support/Indirect Cost (7300-7399)	\$ 43,155	\$ -	\$ -	\$ 43,155
Other Adjustments				
<b>TOTAL EXPENDITURES</b>	\$ 15,719,900	\$ 352,123	\$ -	\$ 16,072,023
OPERATING SURPLUS (DEFICIT)	\$ (7,476,076)	\$ (352,123)	\$ -	\$ (7,828,199)
TRANSFERS IN & OTHER SOURCES (8910-8979)	\$ -	\$ -	\$ -	\$ -
TRANSFERS OUT & OTHER USES (7610-7699)	\$ -	\$ -	\$ -	\$ -
CONTRIBUTIONS (8980-8999)	\$ 5,028,099	\$ -	\$ -	\$ 5,028,099
CURRENT YEAR INCREASE (DECREASE) IN FUND BALANCE	\$ (2,447,977)	\$ (352,123)	\$ -	\$ (2,800,100)
BEGINNING BALANCE	\$ 6,407,917			\$ 6,407,917
Prior-Year Adjustments/Restatements (9793/9795)	\$ -			\$ -
CURRENT-YEAR ENDING BALANCE	\$ 3,959,940	\$ (352,123)	\$ -	\$ 3,607,817
<b>COMPONENTS OF ENDING BALANCE:</b>				
Nonspendable Reserves (9711-9719)	\$ -	\$ -		\$ -
Restricted Reserves (9740)	\$ 3,959,940	\$ -	\$ -	\$ 3,959,940
Stabilization Arrangements (9750)	\$ -	\$ -	\$ -	\$ -
Other Commitments (9760)	\$ -	\$ (352,123)	\$ -	\$ (352,123)
Other Assignments (9780)	\$ -	\$ -	\$ -	\$ -
Reserve for Economic Uncertainties (9789)	\$ -	\$ -	\$ -	\$ -
Unassigned/Unappropriated (9790)	\$ -	\$ -		\$ -

\* Please see question on page 7.

**H. IMPACT OF PROPOSED AGREEMENT ON CURRENT YEAR OPERATING BUDGET**

**Combined General Fund**

Enter Bargaining Unit: **California School Employees Association, Chapter 294 (CSEA)**

	Column 1	Column 2	Column 3	Column 4
	Latest Board- Approved Budget Before Settlement (As of 1/31/2024 )	Adjustments as a Result of Settlement	Other Revisions	Total Current Budget (Columns 1+2+3)
<b>REVENUES</b>				
Local Control Funding Formula Sources (8010-8099)	\$ 35,660,397	\$ -	\$ -	\$ 35,660,397
Remaining Revenues (8100-8799)	\$ 9,524,464	\$ -	\$ -	\$ 9,524,464
<b>TOTAL REVENUES</b>	\$ 45,184,861	\$ -	\$ -	\$ 45,184,861
<b>EXPENDITURES</b>				
Certificated Salaries (1000-1999)	\$ 20,701,058	\$ -	\$ -	\$ 20,701,058
Classified Salaries (2000-2999)	\$ 6,843,075	\$ 650,559	\$ -	\$ 7,493,634
Employee Benefits (3000-3999)	\$ 11,404,042	\$ 234,253	\$ -	\$ 11,638,295
Books and Supplies (4000-4999)	\$ 5,063,146	\$ -	\$ -	\$ 5,063,146
Services, Other Operating Expenses (5000-5999)	\$ 3,395,935	\$ -	\$ -	\$ 3,395,935
Capital Outlay (6000-6599)	\$ 454,880	\$ -	\$ -	\$ 454,880
Other Outgo (7100-7299) (7400-7499)	\$ 495,922	\$ -	\$ -	\$ 495,922
Direct Support/Indirect Cost (7300-7399)	\$ (156,300)	\$ -	\$ -	\$ (156,300)
Other Adjustments				
<b>TOTAL EXPENDITURES</b>	\$ 48,201,758	\$ 884,812	\$ -	\$ 49,086,570
<b>OPERATING SURPLUS (DEFICIT)</b>	\$ (3,016,897)	\$ (884,812)	\$ -	\$ (3,901,709)
TRANSFERS IN & OTHER SOURCES (8910-8979)	\$ -	\$ -	\$ -	\$ -
TRANSFERS OUT & OTHER USES (7610-7699)	\$ -	\$ -	\$ -	\$ -
CONTRIBUTIONS (8980-8999)	\$ -	\$ -	\$ -	\$ -
<b>CURRENT YEAR INCREASE (DECREASE) IN FUND BALANCE</b>	\$ (3,016,897)	\$ (884,812)	\$ -	\$ (3,901,709)
<b>BEGINNING BALANCE</b>	\$ 19,983,906			\$ 19,983,906
Prior-Year Adjustments/Restatements (9793/9795)	\$ -			\$ -
<b>CURRENT-YEAR ENDING BALANCE</b>	\$ 16,967,009	\$ (884,812)	\$ -	\$ 16,082,197
<b>COMPONENTS OF ENDING BALANCE:</b>				
Nonspendable Reserves (9711-9719)	\$ 30,000	\$ -	\$ -	\$ 30,000
Restricted Reserves (9740)	\$ 3,959,940	\$ -	\$ -	\$ 3,959,940
Stabilization Arrangements (9750)	\$ -	\$ -	\$ -	\$ -
Other Commitments (9760)	\$ 10,555,088	\$ (884,813)	\$ -	\$ 9,670,275
Other Assignments (9780)	\$ -	\$ -	\$ -	\$ -
Reserve for Economic Uncertainties (9789)	\$ 1,446,053	\$ -	\$ -	\$ 1,446,053
Unassigned/Unappropriated (9790)	\$ 975,928	\$ -	\$ -	\$ 975,928

\* Please see question on page 7.

**I. IMPACT OF PROPOSED AGREEMENT ON SUBSEQUENT YEARS**

**Combined General Fund**

Enter Bargaining Unit: **California School Employees Association, Chapter 294 (CSEA)**

	2023-24	2024-25	2025-26
	Total Current Budget After Settlement	First Subsequent Year After Settlement	Second Subsequent Year After Settlement
<b>REVENUES</b>			
Local Control Funding Formula Sources (8010-8099)	\$ 35,660,397	\$ 35,404,177	\$ 36,019,527
Remaining Revenues (8100-8799)	\$ 9,524,464	\$ 6,776,119	\$ 6,877,610
<b>TOTAL REVENUES</b>	\$ 45,184,861	\$ 42,180,296	\$ 42,897,137
<b>EXPENDITURES</b>			
Certificated Salaries (1000-1999)	\$ 20,701,058	\$ 20,480,179	\$ 20,497,382
Classified Salaries (2000-2999)	\$ 7,493,634	\$ 6,835,053	\$ 6,958,084
Employee Benefits (3000-3999)	\$ 11,638,295	\$ 11,450,805	\$ 11,742,715
Books and Supplies (4000-4999)	\$ 5,063,146	\$ 4,224,046	\$ 3,774,462
Services, Other Operating Expenses (5000-5999)	\$ 3,395,935	\$ 3,545,935	\$ 3,425,975
Capital Outlay (6000-6999)	\$ 454,880	\$ 460,588	\$ 466,341
Other Outgo (7100-7299) (7400-7499)	\$ 495,922	\$ 495,922	\$ 495,922
Direct Support/Indirect Cost (7300-7399)	\$ (156,300)	\$ (162,159)	\$ (162,159)
Other Adjustments		\$ -	\$ -
<b>TOTAL EXPENDITURES</b>	\$ 49,086,570	\$ 47,330,369	\$ 47,198,722
<b>OPERATING SURPLUS (DEFICIT)</b>	\$ (3,901,709)	\$ (5,150,073)	\$ (4,301,585)
TRANSFERS IN & OTHER SOURCES (8910-8979)	\$ -	\$ -	\$ -
TRANSFERS OUT & OTHER USES (7610-7699)		\$ -	\$ -
<b>CURRENT YEAR INCREASE (DECREASE) IN FUND BALANCE</b>	\$ (3,901,709)	\$ (5,150,073)	\$ (4,301,585)
<b>BEGINNING BALANCE</b>	\$ 19,983,906	\$ 16,082,197	\$ 10,932,124
<b>CURRENT-YEAR ENDING BALANCE</b>	\$ 16,082,197	\$ 10,932,124	\$ 6,630,539
<b>COMPONENTS OF ENDING BALANCE:</b>			
Nonspendable Reserves (9711-9719)	\$ 30,000	\$ 30,000	\$ 30,000
Restricted Reserves (9740)	\$ 3,959,940	\$ 3,000,000	\$ 3,000,000
Stabilization Arrangements (9750)	\$ -		
Other Commitments (9760)	\$ 9,670,275	\$ 5,509,661	\$ 2,033,703
Other Assignments (9780)	\$ -		
Reserve for Economic Uncertainties (9789)	\$ 1,472,597	\$ 1,419,911	\$ 1,415,962
Unassigned/Unappropriated (9790)	\$ 949,384	\$ 972,552	\$ 150,874

**J. IMPACT OF PROPOSED AGREEMENT ON UNRESTRICTED RESERVES**

1. State Reserve Standard

		2023-24	2024-25	2025-26
a.	Total Expenditures, Transfers Out, and Uses (Including Cost of Proposed Agreement)	\$ 49,086,570	\$ 47,330,369	\$ 47,198,722
b.	State Standard Minimum Reserve Percentage for this District <u>enter</u> percentage:	3.00%	3.00%	3.00%
c.	State Standard Minimum Reserve Amount for this District (For districts with less than 1,001 ADA, this is the greater of Line a, times Line b. OR \$50,000	\$ 1,472,597	\$ 1,419,911	\$ 1,415,962

2. Budgeted Unrestricted Reserve (After Impact of Proposed Agreement)

a.	General Fund Budgeted Unrestricted Reserve for Economic Uncertainties (9789)	\$ 1,472,597	\$ 1,419,911	\$ 1,415,962
b.	General Fund Budgeted Unrestricted Unassigned/Unappropriated Amount (9790)	\$ 949,384	\$ 972,552	\$ 150,874
c.	Special Reserve Fund (Fund 17) Budgeted Reserve for Economic Uncertainties (9789)	\$ -	\$ -	\$ -
d.	Special Reserve Fund (Fund 17) Budgeted Unassigned/Unappropriated Amount (9790)	\$ -	\$ -	\$ -
g.	Total Available Reserves	\$ 2,421,981	\$ 2,392,463	\$ 1,566,836
h.	Reserve for Economic Uncertainties Percentage	3.00%	3.00%	3.00%

2023-24	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
2024-25	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
2025-26	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

4. If no, how do you plan to restore your reserves?

5. If the total amount of the adjustment in Column 2 on Page 4 does not agree with the amount of the Total Compensation Increase in Section A, Line 6, Page 1 (i.e., increase was partially budgeted), explain the variance below:

6. Please include any additional comments and explanations of Page 4 as necessary:

Although there are no budget adjustments necessary to meet the costs of the agreement in the 2023/24-2025/26 school years due to the fund balance, the District will make reductions over the course of that time to bring the ongoing structural deficit under control. The District will spend down the fund balance to an appropriate level during the term of this 3 year agreement.



**K. CERTIFICATION NO. 1: CERTIFICATION OF THE DISTRICT'S ABILITY TO MEET THE COSTS OF COLLECTIVE BARGAINING AGREEMENT**

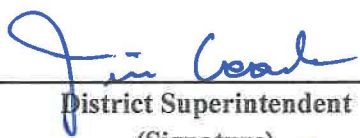
The disclosure document must be signed by the District Superintendent and Chief Business Officer at the time of public disclosure.

In accordance with the requirements of Government Code Section 3547.5, the Superintendent and Chief Business Officer of the Lowell Joint School District, hereby certify that the District can meet the costs incurred under the Collective Bargaining Agreement between the District and the California School Employees Association Bargaining Unit, during the term of the agreement from July 1, 2023 to June 30, 2026.

The budget revisions necessary to meet the costs of the agreement in each year of its term are as follows:

<b>Budget Adjustment Categories:</b>	<b>Budget Adjustment Increase (Decrease)</b>
Revenues/Other Financing Sources	0
Expenditures/Other Financing Uses	884,812.00
Ending Balance Increase (Decrease)	(884,812.00)

N/A X (No budget revisions necessary)

  
\_\_\_\_\_  
District Superintendent  
(Signature)

\_\_\_\_\_  
April 15, 2024  
Date

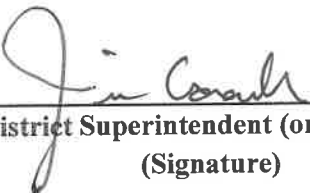
  
\_\_\_\_\_  
Chief Business Officer  
(Signature)

\_\_\_\_\_  
April 15, 2024  
Date

**L. CERTIFICATION NO. 2**

The disclosure document must be signed by the district Superintendent or designee at the time of public disclosure and by the President or Clerk of the Governing Board at the time of formal board action on the proposed agreement.

The information provided in this document summarizes the financial implications of the proposed agreement and is submitted to the Governing Board for public disclosure of the major provisions of the agreement (as provided in the "Public Disclosure of Proposed Bargaining Agreement") in accordance with the requirements of AB 1200 and Government Code Section 3547.5.

  
\_\_\_\_\_  
**District Superintendent (or Designee)**  
**(Signature)**

\_\_\_\_\_  
May 6, 2024  
**Date**

  
\_\_\_\_\_  
**President or Clerk of Governing Board**  
**(Signature)**

\_\_\_\_\_  
May 6, 2024  
**Date**

\_\_\_\_\_  
David Bennett  
**Contact Person**

\_\_\_\_\_  
562-902-4202  
**Phone**

## Recommendations and Assurances

The School Site Council (SSC) recommends this school plan and proposed expenditures to the district governing board for approval and assures the board of the following:

The SSC is correctly constituted and was formed in accordance with district governing board policy and state law.

The SSC reviewed its responsibilities under state law and district governing board policies, including those board policies relating to material changes in the School Plan for Student Achievement (SPSA) requiring board approval.

The SSC sought and considered all recommendations from the following groups or committees before adopting this plan:

**Signature**

**Committee or Advisory Group Name**

The SSC reviewed the content requirements for school plans of programs included in this SPSA and believes all such content requirements have been met, including those found in district governing board policies and in the local educational agency plan.


This SPSA is based on a thorough analysis of student academic performance. The actions proposed herein form a sound, comprehensive, coordinated plan to reach stated school goals to improve student academic performance.

This SPSA was adopted by the SSC at a public meeting on April 26, 2023.

Attested:



Principal, Amanda Malm on 4/26/2023



SSC Chairperson, Loretta McGill on 4/26/2023

## Recommendations and Assurances

The School Site Council (SSC) recommends this school plan and proposed expenditures to the district governing board for approval and assures the board of the following:

The SSC is correctly constituted and was formed in accordance with district governing board policy and state law.

The SSC reviewed its responsibilities under state law and district governing board policies, including those board policies relating to material changes in the School Plan for Student Achievement (SPSA) requiring board approval.

The SSC sought and considered all recommendations from the following groups or committees before adopting this plan:

**Signature**

**Committee or Advisory Group Name**

Other: School Leadership Team

The SSC reviewed the content requirements for school plans of programs included in this SPSA and believes all such content requirements have been met, including those found in district governing board policies and in the local educational agency plan.

This SPSA is based on a thorough analysis of student academic performance. The actions proposed herein form a sound, comprehensive, coordinated plan to reach stated school goals to improve student academic performance.

This SPSA was adopted by the SSC at a public meeting on 04/26/2023.

Attested:



Principal, Marikate Elmquist, Ed.D on 04/26//2024



SSC Chairperson, Rebecca Bringas on 4/26/202

## Recommendations and Assurances

The School Site Council (SSC) recommends this school plan and proposed expenditures to the district governing board for approval and assures the board of the following:

The SSC is correctly constituted and was formed in accordance with district governing board policy and state law.

The SSC reviewed its responsibilities under state law and district governing board policies, including those board policies relating to material changes in the School Plan for Student Achievement (SPSA) requiring board approval.

The SSC sought and considered all recommendations from the following groups or committees before adopting this plan:

**Signature**

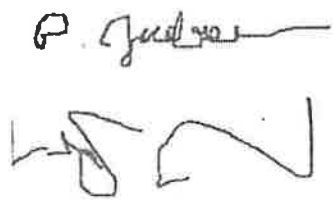
**Committee or Advisory Group Name**

The SSC reviewed the content requirements for school plans of programs included in this SPSA and believes all such content requirements have been met, including those found in district governing board policies and in the local educational agency plan.

This SPSA is based on a thorough analysis of student academic performance. The actions proposed herein form a sound, comprehensive, coordinated plan to reach stated school goals to improve student academic performance.

This SPSA was adopted by the SSC at a public meeting on 4/29/2024.

Attested:



Principal, Patricia K. Jacobsen on 4/29/2024

SSC Chairperson, Chelsea Shrainer on 4/29/2024

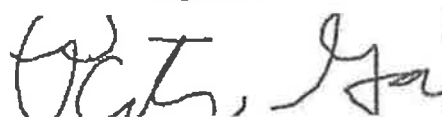
## Recommendations and Assurances

The School Site Council (SSC) recommends this school plan and proposed expenditures to the district governing board for approval and assures the board of the following:

The SSC is correctly constituted and was formed in accordance with district governing board policy and state law.

The SSC reviewed its responsibilities under state law and district governing board policies, including those board policies relating to material changes in the School Plan for Student Achievement (SPSA) requiring board approval.

The SSC sought and considered all recommendations from the following groups or committees before adopting this plan:

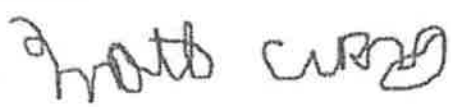

Signature	Committee or Advisory Group Name
	English Learner Advisory Committee

The SSC reviewed the content requirements for school plans of programs included in this SPSA and believes all such content requirements have been met, including those found in district governing board policies and in the local educational agency plan.

This SPSA is based on a thorough analysis of student academic performance. The actions proposed herein form a sound, comprehensive, coordinated plan to reach stated school goals to improve student academic performance.

This SPSA was adopted by the SSC at a public meeting on 04/13/2023.

Attested:

	Principal, Matt Cukro on 4/11/2024
	SSC Chairperson, Jocelyn Bolanos on 04/11/2024

## Recommendations and Assurances

The School Site Council (SSC) recommends this school plan and proposed expenditures to the district governing board for approval and assures the board of the following:

The SSC is correctly constituted and was formed in accordance with district governing board policy and state law.

The SSC reviewed its responsibilities under state law and district governing board policies, including those board policies relating to material changes in the School Plan for Student Achievement (SPSA) requiring board approval.

The SSC sought and considered all recommendations from the following groups or committees before adopting this plan:

**Signature**

**Committee or Advisory Group Name**

The SSC reviewed the content requirements for school plans of programs included in this SPSA and believes all such content requirements have been met, including those found in district governing board policies and in the local educational agency plan.

This SPSA is based on a thorough analysis of student academic performance. The actions proposed herein form a sound, comprehensive, coordinated plan to reach stated school goals to improve student academic performance.

This SPSA was adopted by the SSC at a public meeting on April 27, 2023.

Attested:



Principal, Krista Van Hoogmoed on April 11, 2024



SSC Chairperson, Susan Scott on April 11, 2024

## Recommendations and Assurances

The School Site Council (SSC) recommends this school plan and proposed expenditures to the district governing board for approval and assures the board of the following:

The SSC is correctly constituted and was formed in accordance with district governing board policy and state law.

The SSC reviewed its responsibilities under state law and district governing board policies, including those board policies relating to material changes in the School Plan for Student Achievement (SPSA) requiring board approval.

The SSC sought and considered all recommendations from the following groups or committees before adopting this plan:

**Signature**


**Committee or Advisory Group Name**

The SSC reviewed the content requirements for school plans of programs included in this SPSA and believes all such content requirements have been met, including those found in district governing board policies and in the local educational agency plan.

This SPSA is based on a thorough analysis of student academic performance. The actions proposed herein form a sound, comprehensive, coordinated plan to reach stated school goals to improve student academic performance.

This SPSA was adopted by the SSC at a public meeting on 4/6/2023.

Attested:



Principal, Jennifer Jackson Ed.D. on 04/02/2024

SSC Chairperson, Arlene Anaya on 04/02/2024



# **LOS ANGELES COUNTY PLAN FOR EXPELLED STUDENTS**

# **2024**

A description of educational services under  
California Education Code § 48926

Prepared by



**Los Angeles County  
Office of Education**

Leading Educators ■ Supporting Students ■ Serving Communities



**Los Angeles County  
Office of Education**

9300 Imperial Highway  
Downey, California 90242-2890  
562-922-6111 · <http://www.lacoe.edu>

Debra Duardo, M.S.W., Ed.D., *Superintendent*  
Maricela Ramirez, Ed.D., *Chief Educational Officer, Educational Programs*  
Diana Velasquez, Ed.D., *Executive Director, Educational Programs*  
Jose Gonzalez, *Director III, Division of Student Programs*  
Alicia Garoupa, L.C.S.W., *Chief of Wellbeing and Support Services*  
Sonya Smith, Ed.D., *Director III, Student Support Services*  
Rachelle Touzard, Ph.D., *Director I, Student Support Services*

Los Angeles County Board of Education

Yvonne Chan, Ed.D., *President*  
Stanley L. Johnson, Jr., Ph.D., *Vice President*  
James Cross  
Andrea Foggy-Paxton  
Betty Forrester  
Theresa Montaña, Ed.D.  
Monte Perez, Ph.D.

Student Board

Jimena Mendez  
Jocelyn Burgos

# **Los Angeles County Plan for Expelled Pupils**

**(Education Code § 48926)**

Prepared by:

Division of Student Support Services

Division of Student Programs

Division of Pupil Services

Los Angeles County Office of Education

# Los Angeles County Plan for Expelled Pupils

Los Angeles County Office of Education

and

ABC Unified School District	Lawndale School District
Acton-Agua Dulce Unified School District	Lennox School District
Alhambra Unified School District	Little Lake City School District
Antelope Valley Union High School District	Long Beach Unified School District
Arcadia Unified School District	Los Angeles Unified School District
Azusa Unified School District	Los Nietos School District
Baldwin Park Unified School District	Lynwood Unified School District
Bassett Unified School District	Manhattan Beach Unified School District
Bellflower Unified School District	Monrovia Unified School District
Beverly Hills Unified School District	Montebello Unified School District
Bonita Unified School District	Mountain View School District
Burbank Unified School District	Newhall School District
Castaic Union School District	Norwalk-La Mirada Unified School District
Centinela Valley Union High School District	Palmdale School District
Charter Oak Unified School District	Palos Verdes Peninsula Unified School District
Claremont Unified School District	Paramount Unified School District
Compton Unified School District	Pasadena Unified School District
Covina-Valley Unified School District	Pomona Unified School District
Culver City Unified School District	Redondo Beach Unified School District
Downey Unified School District	Rosemead School District
Duarte Unified School District	Rowland Unified School District
East Whittier City School District	San Gabriel Unified School District
Eastside Union School District	San Marino Unified School District
El Monte City School District	Santa Monica-Malibu Unified School District
El Monte Union High School District	Saugus Union School District
El Rancho Unified School District	South Pasadena Unified School District
El Segundo Unified School District	South Whittier School District
Garvey School District	Sulphur Springs Union School District
Glendale Unified School District	Temple City Unified School District
Glendora Unified School District	Torrance Unified School District
Gorman School District	Valle Lindo School District
Hacienda-La Puente Unified School District	Walnut Valley Unified School District
Hawthorne School District	West Covina Unified School District
Hermosa Beach City School District	Westside Union School District
Hughes-Elizabeth Lakes Union School District	Whittier City School District
Inglewood Unified School District	Whittier Union High School District
Keppel Union School District	William S. Hart Union High School District
La Cañada Unified School District	Wilsona School District
Lancaster School District	Wiseburn Unified School District
Las Virgenes Unified School District	

# Los Angeles County Plan for Expelled Pupils

## Table of Contents

Introduction .....	1
Profile: Los Angeles County Office of Education .....	2
LACOE Vision Statement .....	2
Educational Alternatives for Expelled Pupils .....	4
District Operated Programs .....	5
County Operated Programs .....	5
Educational Service Gaps and Strategies .....	7
Alternative Placements for Pupils Who Fail to Meet the Terms and Conditions of Their Rehabilitation Plan.....	10

### Appendix

- Summary of Data
- District Operated Educational Alternatives
- Los Angeles County Office of Education Referral for Services for Expelled Students
- California Education Code § 48915(d)
- California Education Code § 48915(f)
- California Education Code § 48915.01
- California Education Code § 48916.1
- California Education Code § 48926

# **Los Angeles County Plan for Expelled Pupils (Education Code § 48926)**

## **Introduction**

The Los Angeles County Superintendent of Schools, in collaboration with the Superintendents of the school districts within the county, have developed the county-wide plan for providing educational services to expelled pupils within the county pursuant to California Education Code § 48926. In addressing the needs of all expelled pupils, the countywide plan shall:

- enumerate existing educational alternatives for expelled pupils;
- identify gaps in educational services to expelled pupils;
- identify strategies for filling those gaps in services; and
- identify alternative placements for pupils who are expelled and placed in district community day school programs but who fail to meet the terms and conditions of their required rehabilitation plan or who pose a danger to other district pupils, as determined by the governing board.

Education Code § 48916.1 provides that, at the time an expulsion of a pupil is ordered, the governing board shall ensure that an education program is provided to the pupil who is subject to the expulsion order for the period of the expulsion. Any educational program provided pursuant to this section may be operated by the school district, the county superintendent of schools, a consortium of districts or in joint agreement with the county superintendent of schools.

To address the needs of expelled pupils, a number of alternative education programs have been developed by local school districts and the Los Angeles County Office of Education to provide continuing educational opportunities.

## **Profile**

The Los Angeles County Office of Education (LACOE) is the nation's largest regional education agency. Los Angeles County has approximately 10 million residents, including about 1.3 million students in 80 school districts. Our largest district, Los Angeles Unified School District, has an enrollment of 384,822 students, while our smallest, Gorman School District, has 83 students. Our countywide service area encompasses 88 cities and 4,084 square miles.

LACOE is a premier provider of integrated educational programs and services from birth to adulthood in a richly diverse and multicultural global environment.

LACOE uses a variety of service delivery systems to eliminate educational barriers associated with poverty and racial divisiveness in education, enabling students to exceed state and national standards. These services include universal, quality, early childhood education, effective data driven programs for all students, and state of the art technical assistance.

LACOE organizes its infrastructure to provide leadership in creating unique, nationally recognized models in education, including models for innovative staff development and training. LACOE earns the public's confidence by: Making the school the hub of the community, making the most efficient use of financial resources, bridging the "digital divide" in technology access and content, and developing collaborative partnerships for students, parents, and community. LACOE embraces a culture of diversity that promotes an inclusive, prosperous learning and workplace environment.

### **Division of Student Programs**

The Division of Student Programs (DSP) serves approximately 3,000 students throughout Los Angeles County. DSP provides educational services in a variety of settings, including one juvenile hall school, two secured youth treatment facilities, four camp schools, three County Community Schools, three independent study programs, and two specialized high schools. All school sites are WASC accredited and offer Common Core curriculum and a variety of supplemental services intended to address the learning needs of individual students. Additionally, school staff work closely with the Probation Department and the Los Angeles County Department of Mental Health to provide comprehensive educational services for all students. The mission of the DSP is to ensure student success by providing quality academic programs supported by an organizational culture that is focused on data and Professional Learning Communities. DSP is a placement option for expelled students who are referred to LACOE.

### **Division of Pupil Services**

The Division of Pupil Services (DPS) supports the Principal Administrative Units (PAUs) in the implementation of programs and initiatives to facilitate the academic, emotional, mental, social, and physical health of all students. This support is provided through professional development and the collaborative efforts of staff members in the Camps Assessment Unit, Compliance Support Services, Health Services, Neglected/Delinquent and Homeless Youth Services, as well as Counseling, Nursing and Aftercare Services. The mission of the DPS is to meet the academic, social, emotional, and physical needs of the students in LACOE's Educational Programs.

### **Division of Student Support Services**

The Division of Student Support Services (SSS) serves school districts, charter schools and LACOE programs by providing training and technical assistance in the areas of student enrollment and records; compulsory attendance and truancy reduction; custody of minors; support for students experiencing homelessness and youth in foster care; safe school planning; threat assessment, emergency response and crisis intervention; physical and behavioral health services; alcohol, tobacco and other drug prevention and intervention; Expanded Learning; Positive Behavioral Interventions and Supports and student discipline. SSS is responsible for hearing expulsion appeals on behalf of the county Board of Education and for providing support to students, parents, and school districts throughout the expulsion appeal process.



## **Educational Alternatives for Expelled Pupils**

School districts located within Los Angeles County provide a number of options for expelled pupils, depending on the specific violation of §§ 48900, 48900.2, 48900.3, 48900.4 and 48900.7 of the California Education Code (EC). The alternative educational program to which an expelled pupil may be assigned is preceded by a decision of the local governing board, which may provide for one of the following expulsion orders, describing the student's educational placement:

1. Suspended enforcement of the expulsion order with placement on the same school campus [EC § 48917(a)];
2. Suspended enforcement of the expulsion order with placement on a different school campus within the district or an alternative district program, such as opportunity program, Independent Study or continuation high school [EC § 48917(a)];
3. Expulsion with a referral to a District Community Day School program, if available [EC § 48660]; or,
4. Expulsion with a referral to a County Community Day School or other appropriate program operated by the Los Angeles County Office of Education [EC § 1981(c)].

A pupil who is expelled for an act listed in subdivision (c) of EC § 48915 (mandatory expulsion recommendation) shall be assigned to a program of study that meets all of the following conditions:

- (1) Is appropriately prepared to accommodate pupils who exhibit discipline concerns.
- (2) Is not provided at a comprehensive middle, junior, or senior high school, or at any elementary school.
- (3) Is not housed at the school site attended by the pupil at the time of suspension.

At the time an expulsion of a student is ordered, the governing board of the school district shall ensure that an educational program is provided to the student who is subject to the expulsion order for the period of the expulsion. Any educational program provided may be operated by the school district, the county superintendent of schools, a consortium of districts or in joint agreement with the county superintendent of schools.

## **District Operated Programs**

The range of alternative educational programs currently offered by school districts throughout Los Angeles County includes the following options:

- Community Day Schools;
- Independent Study/Virtual Academy;
- Opportunity Class/School;
- Continuation High School;
- Charter School; and
- Home Study.

If a school district is unable to provide a suitable program, or if the expelled student fails to meet the terms and conditions of their rehabilitation plan or continues to pose a danger to other district students, as determined by the governing board, the district may refer the expelled student to the Los Angeles County Office of Education for possible placement in a program operated by the Division of Student Programs (DSP).

## **County Operated Programs**

The Los Angeles County Office of Education currently provides a variety of alternative educational programs that are designed to help students:

- take a renewed interest in school and learning;
- attend school consistently;
- set and attain academic and career goals; and
- recover credits and get back on track for graduation.

Specifically, these programs are designed to serve:

- Students experiencing difficulty at home or school;
- Students experiencing homelessness and youth in foster care;
- Students who are on probation or students who need to work full-time to support themselves and/or their families; and
- Students who have been expelled for whom a district operated educational program is not available.

Programs designed to serve the above identified pupil populations include those operated by the LACOE Division of Student Programs (DSP) include:

- County Community Schools;
- Independent Study (operated in conjunction with a classroom option)

As previously stated, at the time an expulsion of a student is ordered, the governing board of the school district shall ensure that an educational program is provided for the student subject to the expulsion order. For districts that may be unable to provide students who commit serious behavior violations with an alternative program that meets the restrictive requirements of California Education Code § 48915(d) (see Appendix), selected county programs may provide viable options.

It is anticipated that the majority of expelled students who are referred to the county office for placement in an alternative program will be assigned to a County Community School program. Community Schools operated by the county are designed to provide interventions for middle school students in grade 8 and high school students in grades 9 to 12.

## **Educational Service Gaps and Strategies to Address Service Gaps**

Section 48926 of the California Education Code provides that each county superintendent of schools in counties that operate community schools pursuant to Section 1980 “shall develop a plan for providing education services to all expelled pupils in that county.” One of the required elements of the plan is to identify gaps in educational services to expelled students and strategies for filling those service gaps.

### **Service Gap 1 – Limited Local Alternative Placement Options and Transportation Services**

Largely, survey participants stated that educational alternative strategies and services implemented were relatively successful with expelled students. However, many districts reported that access to local, alternative placements impeded their ability to effectively and efficiently provide a suitable educational placement option. This was compounded by the closure of LACOE County Community Schools (CCS). Distance and lack of transportation to alternative sites were also cited as barriers to accessible and feasible educational placement options.

Districts highlighted the critical need for alternative educational placements to meet the needs of identified student groups such as English Language Development students, students with disabilities and elementary school students.

**Proposed Strategy:** The utilization of preventative measures, such as alternatives to suspension, Restorative Practices, and multi-tiered system of supports to teach behavioral expectations, when implemented with fidelity, can be effective strategies to promote pro-social behaviors among students. The implementation of a universal screening tool or data review process can identify specific students in need of targeted and relevant Tier II intervention. Leveraging district and school-site support services can intercept a student's progression through the tiers of support. Promotion of universal strategies would likely circumvent escalating student behavior and thus disciplinary action as a response. A strong prevention model at the K-5 level can be a determinant of positive student outcomes and can circumvent the progression of maladaptive behaviors; therefore, keeping early learners from being subject to punitive and exclusionary disciplinary action.

As of July 1, 2024, SB 274 prohibits school districts and charter schools from suspending or expelling students in grades K-12 for willful defiance. It is highly encouraged that these local educational agencies (LEAs) ramp up timely in-school interventions or supports to address student behavior. Culturally responsive research-based programs, such as Positive Behavioral Interventions and Supports (PBIS), Socio-Emotional Learning (SEL) strategies and Restorative Practices, can be integrated into the school day and tailored to address students' needs, according to their cognitive and developmental level. Additionally, these interventions support student engagement, contribute to conflict resolution skills, and promote a positive school climate.

Unfortunately, there may be instances when a student's behavior requires punitive consequences and removal from the instructional program. When a student violates certain sections of the Education Code, they may be subject to either a mandatory or discretionary recommendation for expulsion when other means of correction are not feasible or have repeatedly failed to bring about proper conduct, or the student poses a danger to themselves or others. Upon Board approval of an expulsion recommendation, the student is to be placed in an alternative educational placement for

the duration of the expulsion order with an accompanying Rehabilitation Plan for possible reinstatement.

With the dwindling alternative educational placements, districts are encouraged to establish partnerships with neighboring districts or charter schools to secure placement options for students with an active expulsion order. A Memorandum of Understanding (MOU) can be a mutual agreement, permitting LEAs to coordinate efforts to share the responsibility of providing alternative placements for expelled students. MOUs can expand placement options by facilitating the assignment to and enrollment of an expelled student in a neighboring LEA. Another option would be for the establishment or expansion of comprehensive virtual programs that provide instructional and support services to best meet the needs of the student and improve the likelihood that the conditions of the Rehabilitation Plan are satisfactorily met. It should be noted that an online program for expelled students should integrate regular check-ins to promote student engagement and to address any potential feelings of isolation or detachment.

Regarding expelled students with disabilities, it would behoove districts that lack an appropriate alternative placement to collaborate with their Special Education Local Plan Area (SELPA) to determine placement options based on the offer of Free and Appropriate Public Education (FAPE) per their Individualized Education Program (IEP). Transportation, as a related service, may be a related service agreed upon in the student's IEP. This conglomeration of neighboring districts, charters, and County Offices of Education can provide local control and accountability to provide all Special Education assurances guaranteed in federal law.

Students from special populations under an expulsion order, such as students experiencing homelessness or in foster care, may be entitled to transportation to an alternative placement outside their district boundaries per federal and state law. Also, youth from such populations may access subsidized stop gap measures, such as Hop, Skip, Drive, to their assigned alternative placement. Districts can leverage their respective Homeless or Foster Liaisons to determine eligibility and coordinate transportation resources.

LACOE'S Child Welfare and Attendance Unit is a resource that provides ongoing in-person and virtual training on other means of correction as well as consultation, technical assistance, and publications related to student discipline and other means of correction for LEAs to access. The monthly CWA Cafe and Regional Learning Network (RLN) Meetings are established community of practice meetings that provide legislative guidance, technical assistance, and opportunities for discussion and sharing of best practices related to complex cases pertaining to student disciplinary matters and prevention.

### **Service Gap 2 – Lack of Mental Health Supports**

Survey respondents indicated concerns about students' access to needed mental health support. Per self-report, students indicated that they are experiencing higher levels of anxiety and experiencing challenges with coping and regulation. Mental health and counseling are critical resources to help students stabilize in the school environment and address any behavioral concerns.

**Proposed Strategy:** LACOE's Division of Student Support Services offers myriad professional development and training opportunities to address students' behavioral health needs.

The School Counselor Academy offered by the Mental Health and Counseling Unit provides valuable training, such as Universal Screening for Social/Emotional and Behavioral Needs, to

support the identification of students in need of targeted intervention. Participants are provided with practical, tiered strategies to effectively respond to the mental health and counseling needs of students. Youth Mental Health First Aid is offered free of charge upon request and is designed to teach adults who regularly interact with adolescents how to assist them during mental health challenges or in times of crisis, using a five-step action plan.

School-based interventions, coupled with referrals to community-based services, can strengthen positive outcomes for students. It is highly encouraged that LEAs utilize multi-disciplinary teams, such as Student Study Teams (SST), Coordination of Services Teams (COST), and IEP teams, as mechanisms to formulate individualized interventions for students as well as a process to monitor student progress and the effectiveness of interventions.

EAs are encouraged to participate in the Community Schools Initiative to cultivate community resources to improve student wellbeing and outcomes. The California Department of Education launched the California Community Schools Partnership Program (CCSPP), which implements a shared decision-making model and creates community foundations that sustain mental and behavioral health for students and families.

### **Service Gap 3 – Improved Transition Support to/from School of Residence to LACOE CCS**

Survey respondents expressed the need for information about and clarification on the referral process and student eligibility for admittance to LACOE CCS sites. Moreover, survey participants requested a streamlined referral process to CCS sites with improved coordination and communication between referring districts and LACOE.

**Proposed Strategy:** LACOE currently operates three County Community School (CCS) sites that can enroll and support the educational and socio-emotional needs of expelled students. LACOE's Division of Student Programs can host informational meetings related to the referral process to a LACOE CCS site or Independent Study program along with an overview of the accredited curriculum, supportive services offered to students and families and community partnerships for enrichment and employment opportunities.

Informational meetings can address and limit inappropriate referrals to CCS sites as well as provide a platform for LEAs to connect with LACOE CCS staff and opportunities to become familiar with LACOE's model of support for students and to ask questions. Connecting LEAs with LACOE staff can facilitate student enrollment and improve transitions for students by providing a "warm handoff" as students enter or exit the CCS program.

Transition Counselors are critical to the support needed for students as they transition from a CCS program to school of residence or career/college related program. Transition Counselors provide guidance to students during the transition and ensure appropriate follow-up by maintaining contact with youth for up to six months. They work closely with student, family, and community partners to remove any barriers that might impede successful progress.

## **Alternative Placements for Pupils who Fail to Meet the Terms and Conditions of their Rehabilitation Plan or who Pose a Danger to Others**

California Education Code § 48926 requires the county-wide plan to further identify alternative placements for pupils who are expelled and placed in district community day school programs but who fail to meet the terms and conditions of their rehabilitation plan or who pose a danger to other district pupils, as determined by the governing board.

In Los Angeles County, expelled pupils who are unsuccessful in a district operated community day school, who fail to meet the terms and conditions of their rehabilitation plan or who pose a danger to other district pupils may be referred to a County Community School or other appropriate alternative program operated by the county office of education.

Options for students who fail to meet the terms and conditions of their rehabilitation plan may, in select cases, include referral and placement in a juvenile hall setting or juvenile camp or possibly a transfer to a program operated by an adjacent County Office of Education.

Currently, the Los Angeles County Office of Education does not have any formal agreements with adjacent county offices of education.

# Appendix



# COUNTYWIDE PLAN FOR PROVISION OF EDUCATIONAL SERVICES TO EXPELLED STUDENTS QUESTIONNAIRE – SUMMARY OF DATA February 2024

## Introduction

This section includes an overview of the data generated by the AB 922 survey. The survey was provided via email to all school district superintendents, many of whom delegated completion of the survey to the Director of Student Support Services, Supervisor of Child Welfare and Attendance, or Director of Alternative Education. All Los Angeles County school districts completed the survey either via email or by phone.

## Suspended enforcement of the expulsion

In order to facilitate the participation of an expelled student in programs located within the school district, districts are required to suspend enforcement of the expulsion order. The student must comply with all stipulations of the expulsion order related to behavior, attendance, and participation in rehabilitation programs, such as counseling. Non-compliance with the expulsion order stipulations could trigger a full expulsion and removal from the district’s program. A referral to a LACOE County Community School would be an alternative placement for such students.

Current Educational Alternatives Available	K-5	6-8	9-12	Total Districts Offering Program
Community Day Schools	3	16	16	17
County Community School Referrals	4	11	11	18
Opportunity Programs	3	9	5	11
Continuation High Schools	0	0	12	12
Charter Schools	1	4	3	5
Independent Study Programs	20	28	22	31
Other Alternative Programs	3	4	2	4

## Have these strategies/services been successful? If not, what were the obstacles or gaps?

Forty-nine districts surveyed felt that the available alternative programs were at least somewhat successful. Fourteen districts responded that this question was not applicable, or they had not expelled students or needed alternative programs. One responded that there are no local options for students who are expelled; two districts did not answer the question. Multiple reasons were provided for the success of alternative programs, including flexible learning environments along with small group and one-on-one instruction to facilitate credit recovery and to help students learn to manage behaviors that caused them to be expelled. Incorporation of restorative justice, social-emotional learning, counseling and mental health services and case management to create a supportive environment for students and families also resulted in positive outcomes.

Obstacles or gaps identified for alternative programs include (# of responses):

- Limited local and LACOE CDS options (22), especially for students in sixth grade and below (2), students with disabilities (6) and students acquiring English as a second language (1);
- Referred students do not enroll (2) or do not attend regularly (3);

- Lack of transportation to LACOE CDS sites (10);
- Inadequate academic progress (2);
- Limited mental health services (4);
- Unable to reach parents or garner parent involvement and support (3);
- Insufficient return on investment for local CDS programs as it is expensive to staff a school for so few students (4); and
- Inability to find teachers willing to serve at an alternative site (3).

Identified obstacles or gaps specific to Independent Study included difficulty accessing online programs (1), minimal success with course completion (1), inconsistent check-ins with students (1) and isolation (1).

**Suggestions or strategies for filling any service gaps which limit the ability to ensure the availability of educational services for expelled students**

School district personnel shared the following suggestions and strategies (# of responses):

- Increase placement options, especially within LACOE (14) and LAUSD (1) as well as for the elementary grades (5) and for students with disabilities (8) and who are acquiring English as a second language (1);
- Create more opportunity programs that offer small class sizes (1) and Independent Study programs (2);
- Establish partnerships with neighboring districts (4) and with charter schools (1);
- Provide or subsidize transportation to CCS sites due to distance from school of residence (3);
- Increase communication between LACOE and referring school district to ensure student enrollment (1) and to monitor student progress (1);
- Increase mental health support for students and families (2) and support services for students who are a danger to themselves or others (1);
- Hire Child Welfare and Attendance Advisors to provide attendance and counseling services (1);
- Increase referrals to diversion programs (1) and to community agencies for mental health and counseling services (1);
- Establish a clearinghouse of resources to increase student motivation and engagement (1) and have districts share best practices regarding successful placements for students who are expelled (1);
- Require parent education (1);
- Involve DCFS or law enforcement when parent/guardian does not enroll the student (1);
- Increase funding to implement local CDS programs (1);
- Hire a full time counselor to provide individual counseling, assist with goal setting and school-based mental health services (1);
- Rotate content specific teachers into continuation high school teachers throughout the school day (1); and
- Increase professional development for teachers working in alternative settings (1) and administrator to student ratio (1).

**Alternative placements for students who fail to meet the terms and conditions of the expulsion rehabilitation plan or pose a danger to other district students, as determined by the governing board**

The following responses indicate strategies districts use when a student has failed to meet the conditions of the rehabilitation plan approved at the time of the expulsion order or who pose a danger to other district students (# of responses):

- Continue in the alternative setting (4);
- Involuntarily transfer to another site in the school district (2);
- Refer for Independent Study (4) or to a continuation high school (1), neighboring district (2), local charter school (5), private school (1);
- Refer to a LACOE CDS (8) or to Sunburst Academy (1);
- Coordinate enforcement with Los Angeles County Probation or the courts (1);

- Refer to law enforcement programs (1);
- Create a behavior plan (1); and
- Provide targeted interventions (1), additional counseling (1) and wrap around services (1).

**What are your best practices, at the site and district levels, of behavioral intervention approaches and options used to minimize the number of suspensions leading to expulsions, of expulsions being ordered, and to support students returning from expulsions?**

In most cases, EC § 48900.5 requires districts to attempt other means of correction prior to suspension. The following are best practices school districts have successfully used to minimize the number of suspensions and expulsions (# of responses):

- Academic support and interventions, including multi-tiered system of supports (12), Student Study Teams (6), Response to Intervention (2) and unspecified alternative learning options (1);
- Behavior support and management strategies, including Positive Behavioral Interventions and Supports (36), restorative practices (36), social-emotional learning curriculum (12), School Attendance Review Team/School Attendance Review Board (12), Check in/Check Out (6), behavior contracts (4), peer mediation (3), Saturday School (3), Board-Certified Behavior Analysts (2), behaviorist/interventionists (2), detention (2), reflection journals (1), mentoring (1), Opportunity Rooms (1), Behavior Review Intervention Team (BRIT) meeting (1), functional behavior assessment (1) and unspecified Other Means of Correction (14);
- Counseling and mental health support, including Wellness Centers (7), Wellness Counselors/Support (7), Trauma Informed Practices (7), telehealth (2), Tobacco Use Prevention Education and vaping resources (2), universal screener (1) and unspecified Counseling/Mental Health Support (20);
- Diversity, Equity and Inclusion (DEI) strategies, including equity/rapport building professional development for staff (2) and unspecified DEI support (1);
- Opportunity transfer (2);
- Parent workshops (11);
- Referrals to community agencies (13), such as the Department of Mental Health's School Threat Assessment Team (1) and juvenile diversion programs (1) and to school resource officers (1); and
- LACOE trainings (3).
  - Specific programs mentioned as best practices include: Capturing Kids' Heart (4), Boys Town Model (1), Character Counts (1), Character Strong (1), EduClimber (1), Healthy Futures (1), Leader in Me (3), Safe and Civil Schools (2), Second Step (1), Stanford Toolkit (1), Turn Around Rooms (1), Vector Student Online Module (1), Youth Court (1) and YVape (1).



### District Operated Educational Alternatives

District	School	Grades Served
Antelope Valley Union High School District	Phoenix High Community Day	9-12
Bassett Unified	Nueva Vista Continuation High School	9-12
Bellflower Unified	Bellflower Alternative Education Center	7-12
Burbank Unified	Burbank USD Community Day	7-12
Charter Oak Unified	Bridges Community Day	6-12
Compton Unified	Compton Community Day Middle	6-8
Compton Unified	Compton Community Day High	9-12
Downey Unified	Woodruff Academy	7-10
Eastside Union Elementary	Eastside Academy/Transitional Learning Center	K-8
El Monte Union High	El Monte Union High School Community Day	9-12
Glendale Unified	Jewel City Community Day	7-10
Hacienda la Puente Unified	Valley Community Day	7-12
Lancaster Elementary	RISE Community Day School	6-8
Los Angeles Unified	Elementary Community Day School	K-6
Los Angeles Unified	Secondary Community Day School	7-9
Los Angeles Unified	Aggeler Community Day	7-12
Los Angeles Unified	Alonzo Community Day	7-12
Los Angeles Unified	Johnston Community Day	7-12
Los Angeles Unified	London Community Day	7-12
Los Angeles Unified	Tri-C Community Day	9-12
Montebello Unified	Montebello Community Day	7-12
Palmdale Elementary	Oak Tree Community Day	K-8
Paramount Unified	Paramount Unified Community Day	7-12
Redondo Beach Unified	Redondo Beach Learning Academy	6-12
Temple City Unified	Temple City Virtual Academy	7-12
Temple City Unified	Dr. Doug Sears Learning Center	9-12
Torrance Unified	Gene Drevno Community Day	7-12
West Covina Unified	Monterey Park CDS	9-12



**Los Angeles County  
Office of Education**

Serving Students • Supporting Communities • Leading Educators

Division of Student Programs  
(562) 922-8715 • Gaytan\_Gilbert@lacoed.edu

**Referral for Services for Expelled Students**

**STUDENT INFORMATION** Please type or print legibly and complete ALL information.

3. NAME OF STUDENT (LAST, FIRST AND MIDDLE INITIAL)			4. BIRTHDATE	5. GENDER <input type="checkbox"/> M <input type="checkbox"/> F <input type="checkbox"/> N	
6. AGE	7. GRADE	8. STUDENT STATE I.D. NUMBER (10 DIGITS)	9. AKA (Also Known As)		
10. NAME OF SCHOOL LAST ATTENDED			11. SCHOOL DISTRICT		
12. ADDRESS (NUMBER, STREET, APARTMENT NO., CITY AND ZIP CODE)					
13. ETHNICITY (PLEASE CHECK) <input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black <input type="checkbox"/> Filipino <input type="checkbox"/> Hispanic <input type="checkbox"/> Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other (specify)			14. LUNCH ELIGIBILITY <input type="checkbox"/> Free <input type="checkbox"/> Base <input type="checkbox"/> Reduced		
15. SPECIAL EDUCATION <input type="checkbox"/> No <input type="checkbox"/> Yes		16. LANGUAGE PROFICIENCY * <input type="checkbox"/> EL <input type="checkbox"/> FEP <input type="checkbox"/> EO		17. INTERPRETER NEEDED IF "YES." SPECIFY LANGUAGE <input type="checkbox"/> No <input type="checkbox"/> Yes	
18. STUDENT IS ON PROBATION IF "YES," GIVE FIRST AND LAST NAME OF PROBATION OFFICER: <input type="checkbox"/> No <input type="checkbox"/> Yes		19. PHONE # OF PROBATION OFFICER ( ) ( )		15. 504 PLAN <input type="checkbox"/> No <input type="checkbox"/> Yes	
21. ADDRESS OF PROBATION OFFICER					
22. COMMENTS					

1. DATE OF THIS REFERRAL
2. DATE OF OFFENSE

<b>Enrollment Record</b>
PAU
DATE ENROLLED
PROGRAM / SITE
TEACHER
TELEPHONE ( ) ( )
COMMENTS

**Parent(s)/Guardian(s)**

23. FIRST AND LAST NAME OF PARENT(S)/GUARDIAN(S)		24. EMAIL ADDRESS	
25. ADDRESS (IF DIFFERENT FROM STUDENT'S ABOVE)		26. TELEPHONE OR CELL NUMBER ( ) ( )	

**Expulsion**

27. REASON(S) FOR EXPULSION (CHECK APPROPRIATE SUB-SECTION LETTER(S) THAT APPLY) EC 48900: <input type="checkbox"/> a (1) <input type="checkbox"/> a (2) <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/> e <input type="checkbox"/> f <input type="checkbox"/> g <input type="checkbox"/> h <input type="checkbox"/> i <input type="checkbox"/> j <input type="checkbox"/> k <input type="checkbox"/> l <input type="checkbox"/> m <input type="checkbox"/> n <input type="checkbox"/> o <input type="checkbox"/> p <input type="checkbox"/> q <input type="checkbox"/> r <input type="checkbox"/> t			
EC 48900.2 <input type="checkbox"/> Sexual Harassment		EC 48900.3 <input type="checkbox"/> Hate Violence	
EC 48915 (a) <input type="checkbox"/> 1. Causing serious physical injury		EC 48900.4 <input type="checkbox"/> Threat and Intimidation	
<input type="checkbox"/> 4. Robbery or extortion		EC 48900.7 <input type="checkbox"/> Terroristic Threats	
<input type="checkbox"/> 3. Unlawfully selling a controlled substance		<input type="checkbox"/> 3. Unlawful possession of explosive, dangerous object	
<input type="checkbox"/> 1. Possessing, selling, or furnishing firearms		<input type="checkbox"/> 4. Sexual assault/sexual batter	
<input type="checkbox"/> 2. Brandishing a knife		<input type="checkbox"/> 5. Possession of an explosive	
28. 48918(j) DATE LOCAL BOARD VOTED TO EXPEL		29. 48916(a) DATE OF REVIEW FOR RE-ADMISSION	

**Referred By**

30. NAME OF PERSON MAKING REFERRAL (FIRST, LAST)		31. TITLE/SCHOOL DISTRICT	
32. TELEPHONE NUMBER ( ) ( )	33. FAX ( ) ( )	34. EMAIL	
35. SIGNATURE			36. DATE SIGNED

**Attach the following:**

- Copy of Expulsion Order Section 48918 (j)
- Rehabilitation Plan required pursuant to Section 48916 (b)
- Photocopy of Student Record, i.e., IEP (Goals and Objectives, Psychological Report, Manifestation Determination Report, Transition Plan, Behavior Support), Transcripts, Test Scores, Immunization Records, Home Language Survey, CELDT Results, Assessment, Placement, and Designation.
- 504 Plan

Please return completed referral including required documents to:  
Division of Student Programs  
Los Angeles County Office of Education  
9300 Imperial Hwy. EC 2077  
Downey, CA 90242-2890  
(562) 922-8715 • Gaytan\_Gilbert@lacoed.edu

**For Office Use Only – Enrollment of Student Section (1981)**

DATE REFERRED (J/M/Y OR THIS YEAR)	REFERRED TO PAU
------------------------------------	-----------------

<input type="checkbox"/> 1981 (a)	<input type="checkbox"/> 48915 (b)	or	<input type="checkbox"/> 48915 (e)
<input type="checkbox"/> 1981 (b)	<input type="checkbox"/> SARB Referred	or	<input type="checkbox"/> Parent Request / District Approved
<input type="checkbox"/> 1981 (c) Probation Referred	<input type="checkbox"/> 300	<input type="checkbox"/> 601	<input type="checkbox"/> 602 <input type="checkbox"/> 654
(Not currently enrolled in school) <input type="checkbox"/> Currently on Probation <input type="checkbox"/> Parole <input type="checkbox"/> Expelled 48915 (c)			
<input type="checkbox"/> 1981 (d) Homeless Student	<input type="checkbox"/> 1982.5 Other	<input type="checkbox"/> Expelled 48915 (a)	

Comments

**California Education Code**

**§ 48915(d)**

(d) The governing board shall order a pupil expelled upon finding that the pupil committed an act listed in subdivision (c), and shall refer that pupil to a program of study that meets all of the following conditions:

- (1) Is appropriately prepared to accommodate pupils who exhibit discipline problems.
- (2) Is not provided at a comprehensive middle, junior, or senior high school, or at any elementary school.
- (3) Is not housed at the school site attended by the pupil at the time of suspension.

**California Education Code**

**§ 48915(f)**

(f) The governing board shall refer a pupil who has been expelled pursuant to subdivision (b) or (e) to a program of study which meets all of the conditions specified in subdivision (d).

Notwithstanding this subdivision, with respect to a pupil expelled pursuant to subdivision (e), if the county superintendent of schools certifies that an alternative program of study is not available at a site away from a comprehensive middle, junior, or senior high school, or an elementary school, and that the only option for placement is at another comprehensive middle, junior, or senior high school, or another elementary school, the pupil may be referred to a program of study that is provided at a comprehensive middle, junior, or senior high school, or at an elementary school.

**California Education Code**

**§ 48915.01**

If the governing board of a school district has established a community day school pursuant to Section 48661 on the same site as a comprehensive middle, junior, or senior high school, or at any elementary school, the governing board does not have to meet the condition in paragraph (2) of subdivision (d) of Section 48915 when the board, pursuant to subdivision (f) of Section 48915, refers a pupil to a program of study and that program of study is at the community day school. All the other conditions of subdivision (d) of Section 48915 are applicable to the referral as required by subdivision (f) of Section 48915.

## California Education Code

### § 48916.1

(a) At the time an expulsion of a pupil is ordered, the governing board of the school district shall ensure that an educational program is provided to the pupil who is subject to the expulsion order for the period of the expulsion. Except for pupils expelled pursuant to subdivision (d) of Section 48915, the governing board of a school district is required to implement the provisions of this section only to the extent funds are appropriated for this purpose in the annual Budget Act or other legislation, or both.

(b) Notwithstanding any other provision of law, any educational program provided pursuant to subdivision (a) may be operated by the school district, the county superintendent of schools, or a consortium of districts or in joint agreement with the county superintendent of schools. (c) Any educational program provided pursuant to subdivision (b) shall not be situated within or on the grounds of the school from which the pupil was expelled.

(d) If the pupil who is subject to the expulsion order was expelled from any of kindergarten or grades 1 to 6, inclusive, the educational program provided pursuant to subdivision (b) shall not be combined or merged with educational programs offered to pupils in any of grades 7 to 12, inclusive. The district or county program is the only program required to be provided to expelled pupils as determined by the governing board of the school district. The subdivision, as it relates to the separation of pupils by grade levels does not apply to community day schools offering instruction in any of the kindergarten and grades 1 to 8 inclusive, and established in accordance with Section 48660.

(e) (1) Each school district shall maintain the following data:

(A) The number of pupils recommended for expulsion.

(B) The grounds for each recommended expulsion.

(C) Whether the pupil was subsequently expelled.

(D) Whether the expulsion order was suspended.

(E) The type of referral made after the expulsion.

(F) The disposition of the pupil after the end of the period of expulsion.

(2) The Superintendent may require a school district to report this data as part of the coordinated compliance review. If a school district does not report outcome data as required by this subdivision, the Superintendent may not apportion any further money to the school district pursuant to Section 48664 until the school district is in compliance with this subdivision. Before withholding the apportionment of funds to a school district pursuant to this subdivision, the Superintendent shall give written notice to the governing board of the school district that the school district has failed to report the data required by paragraph (1) and that the school district has 30 calendar days from the date of the written notice of noncompliance to report the requested data and thereby avoid the withholding of the apportionment of funds.

(f) If the county superintendent of schools is unable for any reason to serve the expelled pupils of a school district within the county, the governing board of that school district may enter into an agreement with a county superintendent of schools in another county to provide education services for the district's expelled pupils.

**California Education Code**  
**§ 48926**

Each county superintendent of schools in counties that operate community schools pursuant to Section 1980, in conjunction with superintendents of the school districts within the county, shall develop a plan for providing education services to all expelled pupils in that county. The plan shall be adopted by the governing board of each school district within the county and by the county board of education.

The plan shall enumerate existing educational alternatives for expelled pupils, identify gaps in educational services to expelled pupils, and strategies for filling those service gaps. The plan shall also identify alternative placements for pupils who are expelled and placed in district community day school programs, but who fail to meet the terms and conditions of their rehabilitation plan or who pose a danger to other district pupils, as determined by the governing board.

Each county superintendent of schools, in conjunction with the superintendents of the school districts, shall submit to the Superintendent of Public Instruction the county plan for providing educational services to all expelled pupils in the county no later than June 30, 1997, and shall submit a triennial update to the plan to the Superintendent of Public Instruction, including the outcome data pursuant to Section 48916.1, on June 30th thereafter.



**PLAN FOR PROVIDING EDUCATIONAL SERVICES & SUPPORT  
TO ALL STUDENTS EXPELLED IN ORANGE COUNTY  
2024-2027**

**General Provisions**

As required by California Education Code section 48926, the Orange County Superintendent of Schools has developed an expulsion plan in conjunction with the Superintendents of the school districts in Orange County. The plan provides educational services to all expelled students in the county for school years 2024-25, 2025-26, and 2026-27. The current plan has been adopted by the governing boards of each school district in Orange County and the Orange County Board of Education (OCBE). A student whose behavior has resulted in an expulsion is provided a rehabilitation plan that ensures placement in the appropriate educational program. All educational alternatives at Orange County school districts are not available to all students who are expelled. The **type of offense, location of offense, grade level, and nature of the student's individualized needs** all have the potential to affect the educational alternatives available to the student during the period of expulsion. Students expelled for any of the offenses listed in subdivision (a) or (c) of Section 48915 of the California Education Code shall not be permitted to enroll in:

- any district-operated program during the period of expulsion *unless* it is a county community school according to subdivision (c) of Education Code Section 1981,
- or a juvenile court school, as described in Section 48645.1,
- or a community day school according to Article 3, (commencing with Section 48660 of Chapter 4 of Part 27 of the Education Code).

All students who are expelled shall be referred to an educational placement that is:

- 1) appropriately prepared to accommodate students who exhibit discipline problems;
- 2) not situated at a comprehensive middle, junior, or senior high school, or any elementary school, and
- 3) not housed at the school site attended by the student at the time of the offense (E.C. section 48915).

In addition to the requirements stated above, such factors as **district size, district-level alternatives, county-level alternatives, Local Control Accountability Plans (LCAP), and district vision/mission statements (values/philosophy)** can influence the decisions by a school district board of education regarding which educational alternatives are appropriate for the students who are expelled.

## **Educational Alternatives for Students Who Are Expelled**

The governing boards of each school district will determine which educational alternatives are appropriate and available under Education Code section 48916.1. Educational alternatives throughout Orange County for students recommended for expulsion include, but are not limited to the following options:

1. Expulsion, suspended order, with placement on the same school campus [E.C. section 48917 (a)].
2. Expulsion, suspended order, with placement on a different school campus within the district [E.C. section 48917 (a)].
3. Expulsion with referral to a district community day school program, if available [E.C. section 48660].
4. Expulsion with subsequent transfer to another district subject to acceptance by the district of proposed enrollment [E.C. section 48915.1].
5. Expulsion with referral to the Orange County Department of Education (OCDE), Division of Alternative, Community and Correctional Education Schools and Services (ACCESS) [E.C. section 1981].

A specific referral to a district community day school or county community school is made by the school district with recommendations from the district discipline review board, School Attendance Review Board (SARB), or by another established district referral process as required by statute.

The school district of residence is responsible for developing a rehabilitation plan for expelled students and referring students to an appropriate educational setting. The school district reviews the rehabilitation plan obligations of students who are expelled to determine completion for a possible return to the school district of residence. The expelled students who fail to meet the terms and conditions of the district rehabilitation plan for readmission/re-enrollment may continue to be referred to an appropriate educational setting within another district alternative program, district community day school program, or the Orange County Department of Education (OCDE) ACCESS program until the conditions of rehabilitation are met.

## **Charter School Requirements and Expulsion**

Charter schools develop their policies and procedures regarding student expulsion and student dismissal subject to the requirements of Education Code Section 47605(c)(5)(J). They are not required to follow Education Code section 48900 et seq. as the basis of their discipline or expulsion policy, although by regulation, petitioners must demonstrate familiarity with these provisions. Charter schools have the option to adopt their chartering district's policy and procedures regarding expulsion.

A student who is expelled from a charter school may return to the school district of residence. As outlined in Education Code Section 47605(e)(3), if a pupil subject to compulsory full-time education under Education Code section 48200 is expelled or leaves a charter school without graduating or completing the school year for any reason, the charter school shall notify the superintendent of the school district of the pupil's last known address within 30 days; and shall upon request, provide that school district with a copy of the cumulative record of the pupil including a transcript of grades or report card and health information. Once the school district has documentation of the expulsion order, the provisions of Education Code sections 48915.1 and 48915.2 are used to determine whether or not the pupil may enroll in a district school or must be referred to a county community or district community day school (EC section 48915.2).

### **Expelled Students Who Commit Subsequent Violation(s)**

The placement of expelled students who commit subsequent expellable violations will be placed in one of the following options:

- If the student commits a subsequent violation of Education Code section 48900 and following, the student may be referred to another school district alternative program or the Orange County Department of Education (OCDE) ACCESS program.
- If the expelled student commits another violation of the Education Code while enrolled in the Orange County Department of Education (OCDE) ACCESS program, the student will be placed at another community school site within the ACCESS Areas or transferred to another ACCESS Area operated by the Orange County Department of Education (OCDE) per Orange County Department of Education Policy and Procedures.

### **Expelled Students Who Fail District Community Day School**

An expelled student who fails his/her placement in a district community day school program may be placed in one of the following options:

- Other existing district educational alternatives.
- Orange County Department of Education, ACCESS program, or a program operated by the Orange County Department of Education Division of Special Education Services.
- Non-public school (NPS) placements for students with disabilities may be considered by school districts if the IEP team determines an NPS is appropriate.

### **Special Education Students**

Students eligible under the Individuals with Disabilities Act (IDEA) may be referred to the Orange County Department of Education (OCDE) ACCESS program under the Individualized

Education Program (IEP) process outlined in Education Code section 48915.5 and Orange County Department of Education (OCDE) procedures. Students eligible under Section 504 of the Rehabilitation Act of 1973 may also be referred to the Orange County Department of Education (OCDE) per Section 504 procedures. School districts must take into consideration the contents of the student's IEP when making placement recommendations. **Any change in placement requires the school district to convene an IEP meeting.** The IEP team identifies a special education program and related services appropriate for the student. Placement options may include district, Special Education Local Plan Area (SELPA), or county-operated programs.

- If the district refers an expelled student to the Orange County Department of Education (OCDE), the district shall convene an IEP meeting before the referral to jointly identify an appropriate special education program and related services. A representative from the Orange County Department of Education shall participate in the IEP meeting. The district or Orange County Department of Education may provide special education services per the student's IEP.
- When the IEP cannot be implemented within the Orange County Department of Education (OCDE), the district of residence is responsible for providing a Free and Appropriate Public Education (FAPE) within the continuum of program options identified in its SELPA local plan.
- The Orange County Department of Education (OCDE) may also provide an interim alternative educational setting while a school district locates an educational placement for students eligible under the IDEA (not excluding county options) [34 C.F.R. section 300.530(g)].

### **Orange County Department of Education (OCDE) Options**

The Orange County Department of Education (OCDE) is committed to providing a spectrum of educational options for students expelled from Orange County school districts. Educational options are provided through the Division of Special Education Services which operates the Orange County Department of Education (OCDE) Special Schools Program for students with disabilities and the Division of Alternative Education, known as Alternative, Community, and Correctional Education Schools and Services (ACCESS), a *Western Association of Schools and Colleges-accredited* (WASC) program serving general education and special education students. The Orange County Department of Education's (OCDE) VISION is Orange County students will lead the nation in college and career readiness and success; and, its MISSION is to ensure that all students are equipped with the competencies they need to thrive in the 21st Century. In addition, its mission is to care for, teach, and inspire all students to discover their potential as well as develop their character by empowering every learner to become successful contributors to society. As demonstrated by its VALUES, the Orange County Department of Education (OCDE) is dedicated to the fundamental human values of respect, responsibility, integrity, and professional ethics. Our priority is service to students, schools, districts, families, and community members. Orange County Department of Education (OCDE) provides a safe, caring, courteous,

and professional environment that fosters collaborative work and individual employee development. We hold ourselves and each other accountable for the highest level of performance, efficiency, resource management, and professionalism.

The policy of each school district affects how the Orange County Department of Education (OCDE) will meet the needs of that particular school district. Some districts use the Orange County Department of Education (OCDE) programs as educational options for those students expelled under Education Code section 48900. The Orange County Department of Education (OCDE) also works with Orange County school districts to provide information and data in support of Local Control Accountability Plan (LCAP) goals and priorities, including but not limited to learning conditions, pupil engagement, school climate, and pupil outcomes.

### **Referral Process to Orange County Department of Education (OCDE) – Division of Special Education –Special Schools Program**

The Orange County Department of Education (OCDE) Division of Special Education Services provides special education programs and services to individuals with exceptional needs requiring intensive educational services including a Deaf and Hard of Hearing (DHH) Program. The Orange County Department of Education (OCDE) Special Schools Program operates 48 classes on 13 different school sites throughout Orange County. Students are referred by their district of residence through the IEP process. Referrals to the Division of Special Education Services are made following current Orange County Department of Education (OCDE) procedures.

### **Referral Process to the Orange County Department of Education (OCDE) Alternative Community and Correctional Education Schools and Services (ACCESS)**

The ACCESS program provides options for expelled youth at over twenty-five (25) sites contained within nine (9) Areas located throughout Orange County. Regional options may include:

- Classroom instruction serving grades 9-12, delivered daily for 240-270 minutes aligned with the State Frameworks/Standards.
- Classroom instruction serving grades 6-8, delivered daily for 240-270 minutes aligned with the State Frameworks/Standards.
- Contracted learning/independent study (IS) programs are available for whom traditional seat-time programs are not feasible. These contracted learning/independent study (IS) programs require students to complete a minimum of 20 hours per week of educational work products. For students with disabilities, this would be considered and discussed at an IEP meeting.

- Parent-directed home instruction/independent study programs through the Community Home Education Program (CHEP) serving students in transitional kindergarten (TK) through grade 8.
- Pacific Coast High School is a University of California (UC) approved and National Collegiate Athletic Association-accredited program serving students in grades 9-12. For students with disabilities, this would be considered and discussed during an IEP meeting.

ACCESS Administrators regularly meet with school district representatives and agency partners to collaborate and coordinate the placement of students who are expelled. Regional meetings of the Child Welfare and Attendance (CWA) Administrators and school district Student Attendance Review Board (SARB) members provide an avenue for school districts and Orange County Department of Education (OCDE) representatives to discuss potential placement challenges, explore regional options, and address the needs of expelled students.

Referrals to the Orange County Department of Education (OCDE) ACCESS program may be made directly to the ACCESS Areas listed below. However, referrals of students eligible under the IDEA shall be made through the IEP process as per ACCESS Special Education Procedures. An Individual Learning Plan (ILP) will be developed for expelled students referred to ACCESS. Part of this plan includes a goal of assisting the student with meeting the requirements stated in the school district's rehabilitation plan to facilitate returning the student to the school district of residence at the completion of the school district expulsion. A Supplemental Referral Form and a Return to School District Form are developed with support from the School District Student Services Administrator to improve communication. Districts will use the Supplemental Referral Form to highlight the unique needs of students, interventions in place, and rehabilitation plans for students. When returning to the district of residence, ACCESS will use the Return to District Form to communicate student progress on the district rehabilitation plan as well as share important contact information in case questions may arise. This process addresses a service gap in previous triennial countywide plans regarding students completing the required courses before graduation during the expulsion term. ACCESS and the Orange County school districts will continue to consistently improve communications to further address all service gaps.

ACCESS and school district programs have implemented online programs that provide "a-g" approved courses, credit recovery options, and electives, including career technical education. These programs have expanded the options available to expelled and returning students seeking to satisfy the "a-g" requirements or other college-preparatory courses. ACCESS continues to provide professional development for teachers to utilize their online programs effectively. In addition, Pacific Coast High School (Administrative Area 5) offers a full range of college-preparatory courses satisfying the "a-g" requirements. *GradPoint*, the online course option with "a-g" approved courses utilized by ACCESS, satisfies the subject requirements for admission into the University of California and California State University Systems.

**ALTERNATIVE, COMMUNITY, AND CORRECTIONAL EDUCATION SCHOOLS (ACCESS) AND SERVICES ACCESS**  
(Updated 9/21/23)

<b>Division of Alternative Education Administration</b>	ACCESS Administration 601 S. Lewis Street Orange, CA 92868	(714) 245-6402	Vern Burton Assistant Superintendent, Alternative Education <a href="mailto:vburton@ocde.us">vburton@ocde.us</a>
<b>ACCESS– Area 1</b> Harbor Learning Center – South	ACCESS– Area 1 Administration Office 15872 Harbor Blvd. Fountain Valley, CA 92708	(714) 245-6535	Ken Ko, Ed.D., Principal <a href="mailto:Kko@ocde.us">Kko@ocde.us</a> Jim Perez, Interim Asst. Principal <a href="mailto:jperez@ocde.us">jperez@ocde.us</a>
<b>ACCESS– Area 2</b> Harbor Learning Center – North	ACCESS– Area 2 Administration Office 1240 N. Harbor Blvd. Anaheim, CA 92801	(714) 245-6700	Gilbert Sanchez, Ed.D., Principal <a href="mailto:gsanchez@ocde.us">gsanchez@ocde.us</a>
<b>ACCESS– Area 3</b> Argosy	ACCESS– Area 3 Administration Office 601 S. Lewis Street Orange, CA 92868	(714) 245-6680	Ken Ko, Ed.D., Principal <a href="mailto:Kko@ocde.us">Kko@ocde.us</a> Spencer Gooch, Interim Assistant Principal <a href="mailto:sgooch@ocde.us">sgooch@ocde.us</a>
<b>ACCESS– Area 4-A</b> Juvenile Court Schools	Otto Fischer School 331 City Drive South Orange, CA 92868	(714) 935-7651	Dave Connor, Principal <a href="mailto:dconnor@ocde.us">dconnor@ocde.us</a>
<b>ACCESS– Area 4-B</b> Juvenile Court Schools	<i>TBD</i>	<i>TBD</i>	Aja Cordova-Couso, Principal <a href="mailto:acordova-couso@ocde.us">acordova-couso@ocde.us</a>

<b>ACCESS– Area 5</b> Community Home Education Program (CHEP), Pacific Coast High School (PCHS), Skyview	ACCESS– Area 5 Administration Office 14262 Franklin Ave. Suites 100 and 200 Tustin, CA 92780	(714) 327-1010	Machele Kilgore, Principal <a href="mailto:mkilgore@ocde.us">mkilgore@ocde.us</a>
<b>ACCESS– Area 6</b> Sunburst Youth Academy	Los Alamitos National Guard Base 4022 Saratoga Ave. Building 25 Los Alamitos, CA 90720	(714) 796-8780	Dinah Ismail, Principal <a href="mailto:dismail@ocde.us">dismail@ocde.us</a>
<b>ACCESS– Area 7</b> College and Career Preparatory Academy (CCPA)	ACCESS– Area 7 Administration Office 1277 S. Lyon, Ste. 501 Santa Ana, CA 92705	(714) 796-8795	Fatinah Judeh, Interim Principal <a href="mailto:fiudeh@ocde.us">fiudeh@ocde.us</a>
<b>ACCESS– Area 8</b>	ACCESS– Area 8 Administration Office TBD	(714) 800-4234	Ruth Ramirez, Principal <a href="mailto:rramirez2@ocde.us">rramirez2@ocde.us</a>
<b>ACCESS– Area 9</b>	Administration Office 2428 Grand Avenue Suite G Santa Ana, CA 92703	(714) 227-8789	Chris Alfieri, Principal <a href="mailto:calfieri@ocde.us">calfieri@ocde.us</a>
<b>ACCESS STUDENT SERVICES</b>			
<b>Student Support Services and Special Education</b>	ACCESS Administration 601 S. Lewis Street Orange 92868	(714) 647-2596	Amita Cloke, Psy.D., Director <a href="mailto:acloke@ocde.us">acloke@ocde.us</a>



<b>District Partnerships and Operations</b>  <i>(ACCESS Staffing &amp; Operations, Attendance &amp; Records, Foster Youth Services, Health Services, Safe and Healthy Schools and Services)</i>	ACCESS Administration 601 S. Lewis Street Orange, CA 92868	(714) 245-6404	Dennis Cole, Director <a href="mailto:dcole@ocde.us">dcole@ocde.us</a>
<b>Educational Programs and Services</b>  <i>(Assessment, Accountability and Intervention, Educational Services, Title III – English Language Learner Services)</i>	ACCESS Administration 601 S. Lewis Street Orange, CA 92868	(714) 647-2593 (714) 543-8962 <i>fax</i>	Katy Ramezani, Ed.D., Director <a href="mailto:kramezani@ocde.us">kramezani@ocde.us</a>
<b>Title I Programs and Services</b>	ACCESS Administration 601 S. Lewis Street Orange, CA 92868	(714) 836-0468	Lisa Lanier, Senior Administrator <a href="mailto:llanier@ocde.us">llanier@ocde.us</a>
<b>Foster Youth Services Coordinating Program</b>	William Lyon School 401 City Drive South Orange, CA 92868	TBD	Deana Mulkerin, Program Specialist
<b>Attendance and Records</b>	ACCESS Administration 601 S. Lewis Street Orange, CA 92868	(714) 547-2859	Tamara Fetto, Supervising Program Data Technician <a href="mailto:tfetto@ocde.us">tfetto@ocde.us</a>

## **Summary of Gaps in Education Services to Expelled Students and Strategies for Filling Those Gaps**

Previously identified gaps from the previous triennial cycle have been examined and considerable improvements have been made through a collaborative process between the twenty-eight (28) Orange County school districts and the Orange County Department of Education (OCDE). The twenty-eight (28) school districts in Orange County and the Orange County Department of Education (OCDE) have committed themselves to an ongoing process to resolve the noted service gaps.

### **Service Gap 1: Expelled Students in Grades K-5**

Education Code sections 48900(v) and (w) encourage Other Means of Correction (OMoC), rather than suspension or expulsion, to be used to bring about appropriate conduct as part of a Multi-Tiered System of Supports (MTSS). This Multi-Tiered/Multi-Domain System of Supports includes Restorative Justice practices, trauma-informed practices, Social and Emotional Learning, and schoolwide Positive Behavior Interventions and Support, which may be used to help pupils gain critical social and emotional skills, receive support to help transform trauma-related responses, understand the impact of their actions (on themselves and others), and develop meaningful methods for repairing harm to the school community. This also includes referral to a School Attendance Review Board (SARB) for students who are habitually insubordinate or disorderly during school attendance (Education Code Section 48263). Education Code Section 48900.5 lists many other means of correction that may be documented before a suspension or expulsion recommendation. While several California Education Code sections prohibit the expulsion of students in lower grades for various offenses, a student in grades K-3 can be expelled for violations of any of the other offenses. Specifically, Education Code section 48900(k) prohibits the expulsion of any student for disruption/defiance and Education Code 48900.2 prohibits the expulsion of a student in K-3 for sexual harassment. Education Code 48900.3 (hate violence) and 48900.4 (harassment, threats, or intimidation) pertain only to students in grades 4-12. As identified mainly by elementary schools and smaller districts, students in grades K-5 who are expelled do not have as many educational options available as do expelled youth in grades 6-12. In some instances, it has been difficult to place elementary school students who are expelled, especially at the K-4 level. The number of community day schools at the elementary school grade level is very limited.

#### **Progress since 2021**

Orange County school districts have made gains in the implementation of Social-Emotional Learning curriculum (SEL) and Restorative Practices (RP) district-wide to develop more positive, pro-social school cultures/climates by strengthening relationships between staff and

students, staff-to-home relationships, student-to-student relationships, and increase students' sense of belonging to prevent the occurrence of negative behaviors that may lead to suspensions and expulsion. School staff receive training in Restorative Practices (RP). Restorative Practices have been integrated with Positive Behavior Interventions and Supports (PBIS) to ensure student expectations are taught and reinforced positively to increase students' social and emotional skills and a sense of relationship/belonging to the community. Professional development on topics such as Trauma Informed Education, SEL Classroom Management, and universal screening of Second Step Integration will continue to be presented to school staff. In addition, school site/classroom visits by district-level administrators are conducted regularly with feedback to support and improve the implementation of SEL and PBIS and collaboratively develop the next steps with school site administrators, teachers, and staff.

A common practice for students expelled in grades K-5 is for the school district to suspend the expulsion order and refer the student to another school within the district of residence. School districts may also collaborate in the facilitation of enrollment of an expelled elementary school student into a different school district, when appropriate. School districts continue to have the option of referring expelled students to Skyview Elementary and Middle School, an Orange County Department of Education (OCDE) ACCESS program serving grades K-8. Skyview is a community elementary/middle school program designed to meet the needs of all *at-promise* children and offers community support programs for both the students and their families.

### **Ongoing Strategies for Addressing This Gap**

Students in grades K-5 who are expelled may be served through the following school district or Orange County Department of Education alternative (OCDE) education programs:

- Transfers within the home district (offered through suspended expulsion) to another school site.
- Transfers to another school district.
- Private school/Non-Public enrollment/placement may be appropriately offered.
- Virtual/Remote Learning school is available in some school districts.
- Skyview Elementary and Middle School, located in the city of Orange, is operated by the OCDE ACCESS program and serves students in grades K-8.
- Students in grade 5, on a case-by-case basis, may be referred to other ACCESS school sites depending upon class composition at the time of referral.

The Orange County Department of Education continues to review the ongoing need for an elementary-level regionalized community school program to serve elementary-aged students who may be expelled from their school district. Since 2017-18, the number of expulsions for Orange County students in grades K-6, as reported to *DataQuest*, are as follows:

Year	K-3	4-6
2017-18	0	9
2018-19	0	9
2019-20	0	0
2020-21	0	0
2021-22	0	3

Orange County school districts continue to support one another and offer alternative placement options whenever possible, taking students who were expelled for non-mandatory expellable offenses, especially in larger districts with community day school options or special classrooms on their sites. School districts are also expanding interventions through a Multi-Tiered System of Supports (MTSS) framework with evidence-based programs such as Positive Behavior Intervention and Supports, Restorative Practice (RP), Mindfulness Practice, Trauma-Informed Care Perspective and Resources, and Social and Emotional Learning (SEL) resulting in reduction of expulsions at the elementary grade level. In addition, the tiered interventions and strategies of the Student Attendance Review Team (SART) and Student Attendance Review Board (SARB) processes are being implemented as preventative/early warning measures to reduce the number of suspensions and expulsions through a strength-based approach focusing on students' behavior (academic, attendance, social-emotional) challenges and family support.

**Challenges to Addressing This Gap**

- The location of the Skyview Elementary and Middle School site in proximity to the district of residence may pose a challenge to student attendance.
- To attend Skyview or other schools in neighboring school districts, students may require transportation. However, neither the districts nor ACCESS provide transportation which is a challenge for some students to attend schools outside of the boundaries of the district of residence.
- Though the number of expulsions at the elementary level is low, finding suitable school placements for students who are expelled continues to be a challenge/service gap for some elementary school districts.
- The low number of elementary students in grades K-5 who need alternative placements as a result of expulsions continues to make it impractical and cost-inhibitive to sustain the operation of multiple school sites/programs throughout the county and provide mental health resources, staff, and services.

## **Service Gap 2: Limited Special Education Placements in ACCESS**

The Orange County Department of Education (OCDE) is committed to expanding program options for students with exceptional needs expelled from school district programs. As identified through communications with SELPA and District-Special Education Directors, programs for emotionally disturbed and dual diagnosis (Emotionally Disturbed and Developmentally Delayed) students have been developed in some school districts as well as the OCDE Special Schools program. In addition, ACCESS continues to evaluate its Special Education services to provide a continuum of placement options. When a student's unique needs cannot be accommodated through existing OCDE program alternatives, the district of residence will continue to facilitate placement to support the unique needs of individual students through district and non-public agency/non-public school (NPS) placements.

### **Progress from 2021**

Orange County school districts have continued to expand efforts to provide services to students within their attendance area reducing the need for referrals to ACCESS and the OCDE Special Schools program. The Orange County School Districts and OCDE will provide ongoing monitoring of the need for additional Special Education services for expelled students. The ACCESS program is prepared to respond to increased demands as conditions warrant in the future.

Orange County school districts have increased the number of mental health staff independently and in partnership with the Orange County Department of Education (OCDE) to provide more resources for students who may be experiencing social and emotional issues, including students with disabilities. To promote belongingness, inclusion, and educational equity, Orange County school districts have expanded recruitment and retention of students with disabilities for athletic programs and co-curricular engagement. For more inclusive classroom instruction, the blending of co-teaching and General-Special Education collaborative classes for students with disabilities have continued to increase to destigmatize the services and supports of students with IEPs which has resulted in healthier and safer school cultures and climates. Unified Sports programs are available in all Orange County school districts. This program focuses on the inclusion of students with disabilities in athletics and has helped change the culture on the campuses. Students with disabilities continue to be included in more school-wide programs.

#### *Programs for Students with Intensive Mental Health Needs:*

- ACCESS and Orange County school districts have been able to expand the number of licensed mental health clinicians and assistants over the past several years even though finding qualified candidates has been a challenge. This has allowed for increased support during the school day while students are on campus. Continued expansion of programs for students with intensive mental health and behavioral needs is contingent upon the location of school sites that can accommodate such programs and sufficient enrollment to maintain such programs. Additional training in various behavior management strategies

for both general education and special education teachers can support the increased needs of students with mental health and behavioral needs.

*Programs to Expand Continued Services for Special Education Students:*

- Expanding program options for special education students continue to be evaluated through OCDE, Orange County SELPA Directors, and Orange County School Districts.
- OCDE Special Schools and ACCESS provided a joint survey to the OC SELPA Directors in Spring 2023 seeking information on special education program needs.

ACCESS will continue to utilize its Director of Student Services as well as Special Education Administrative Liaisons/Coordinators to facilitate participation in district IEP team meetings when a referral for an expelled student is made to ACCESS. In addition, ACCESS has continued to increase its special education staff including a focus to address the increased mental health needs of students with disabilities. ACCESS can provide intensive counseling services by licensed mental health professionals who will continue training in Trauma Informed Care, Crisis Response, and Restorative Practice (RP). Small group therapy programs have also been developed to address issues that impact social functioning within the classroom and community, such as social skills, anger management, and various coping skill strategies.

All ACCESS mental health clinicians will continue to receive training in the most current evidence-based protocols in various therapeutic therapies to address the changing needs of our students.

**Ongoing Strategies for Addressing This Gap**

To help address gaps/needs, the Orange County Department of Education (OCDE) Special Schools and ACCESS plans to provide a joint survey to the Orange County Special Education Local Plan Area (SELPA) Directors in the future seeking additional information on special education program needs. In addition, school districts continue to create, expand, and have success with community day school programs for expelled students with special needs as an option to county-operated and non-public school placements. ACCESS provides an inclusive educational setting with students mainstreamed into general educational programs. Placement at non-public schools (NPS) continues to be an option for school districts as well. In addition, districts are utilizing various flexible scheduling opportunities along with alternative education options to meet IEP goals, provide related services, and fulfill the requirements of the rehabilitation plan.

**Challenges to Address This Gap**

- Establishing a regionalized program in an alternative school setting to support the academic and socio-emotional needs of students with disabilities that can be operated and

maintained based on an unpredictable number of student referrals as well as transportation barriers poses ongoing challenges. These challenges impact the sustainability of regionalized special education programs operated by the Orange County Department of Education (OCDE). Although some school districts have expressed a need for a self-contained special day class (SDC) for students with intensive emotional and/or behavior disorders, this has not been sustainable for the Orange County Department of Education (OCDE) ACCESS programs due to the minimal number of students being referred and the cost to staff and maintain such a program. Challenges to addressing Service Gap #1 may also have been a contributing factor to the limited number of referrals for establishing such a program.

- Placement in a non-public school due to the limited space and program offerings at the Orange County Department of Education (OCDE) ACCESS, *when there is capacity*, is a financial strain for Orange County school districts.
- Orange County Department of Education (OCDE) ACCESS providing *Free Appropriate Public Education (FAPE)* for all students with disabilities continues to be a concern expressed by some school districts. Based on the smaller class sizes in ACCESS and the individualized instructional model through contracted learning, the structure of the school day differs from a traditional school schedule and often requires modification of the IEP.
- Combined programming of middle school and high school programs continues to be an ongoing challenge. There is a desire to provide separate classes/programs for middle school students to better address their unique developmental and social-emotional needs, however, the low numbers of referrals/enrollment of middle school students make it difficult to maintain separate programs.
- Promoting (appropriately messaging) the positive advantages and supportive benefits of the Orange County Department of Education (OCDE) ACCESS to parents and caregivers of students with disabilities who have been expelled continues to be a challenge as they may view the program as a punitive/juvenile detention measure with a shortened school day. Their (*mis-*)understanding of the program leads to apprehension and rejection of accepting the offer to engage in the program.

### **Service Gap 3: Rehabilitation Failures**

Students who are expelled fail, at times, to satisfy/fulfill the school district expulsion rehabilitation/readmission plans during the expulsion term continue to be a concern for reentry to the school district in conjunction with general issues about student transition. On occasion, students do not meet the provisions of the expulsion rehabilitation plan and fall behind in their academic studies. In these cases, students are at higher risk of not completing their necessary credits and risk of school drop-out.

### **Progress since 2021**

Over the past three years, the Orange County Department of Education (OCDE) has continued collaboration and ongoing engagement with the Orange County school districts to identify systematic approaches to facilitate the regular transfer of the rehabilitation/readmission plan upon referral of an expelled student, as well as identify community resources available to support students in meeting their district rehabilitation plan requirements.

Orange County Department of Education (OCDE) ACCESS/Division of Alternative Education Administration helps to promote frequent, ongoing communication between the parents/caregivers, school districts, the county community schools, ACCESS directors, coordinators, principals, and assistant principals. In addition, the ACCESS Student Attendance Review Board (SARB) process continues to undergo improvement and ACCESS utilizes one of its staff members in truancy court to make sure students attend school and are connected to community resources and social services.

### **Ongoing Strategies for Addressing This Gap**

Orange County school districts will provide ACCESS a copy of the rehabilitation/readmission plan when referring an expelled student. ACCESS staff will review the rehabilitation/readmission plan with the student and, as appropriate, the student's parents, and will assist the student in completing his/her plan requirements. Orange County School Districts and ACCESS have implemented the use of a supplemental referral form when students are referred to an ACCESS program. This form includes specific information about a student's needs as well as progress and action items needed to complete the rehabilitation/readmission plan requirements. School district staff will continue to monitor student achievement toward rehabilitation/readmission plan requirements throughout the term of expulsion while educational services are provided by ACCESS or private agencies. For students struggling to meet rehabilitation/readmission plan requirements, the student consultation team process may be considered to provide additional support. The continued two-way communication and collaboration between ACCESS and school district personnel will remain a priority. Enhanced communication promotes student success and allows for early intervention when students are falling behind in/not meeting the rehabilitation/readmission plan terms. In addition, communication is vital between the school districts and ACCESS regarding the status of students who are returning to the school district. When returning to the school district, ACCESS staff will continue to use the Student Transition form to communicate information on the student's completion of the rehabilitation/readmission plan.

School districts continue to expand their programs and services to support expelled students by hiring additional staff and assigning specific duties to staff to monitor the completion of the student's rehabilitation/readmission plan and to communicate/collaborate with ACCESS and other programs. In addition, to meet the academic needs of the students and to ensure that they acquire the necessary credits to meet the graduation requirements, districts have expanded their instructional programs to include enhanced Summer School and after-school programs, district online instruction, and tutoring support for expelled students. Furthermore, upon re-entry to the



school district, students will continue to be closely monitored and supported by school staff through the creation of a behavior contract, needs assessment survey, and the opportunity for alternative placement at a different school site within the district.

Orange County Department of Education (OCDE) will continue to explore with districts how to utilize and expand existing interventions/supports to ensure student success with the completion of the rehabilitation/readmission plan by hosting networking opportunities through the Child Welfare and Attendance (CWA)/School Attendance Review Board (SARB) Network Meetings series and conducting an interactive Expulsion Supports training in addition to a Student Discipline Investigations training. This includes the inclusion of community non-profits and private agencies/programs to assist in carrying out individual student rehabilitation/ readmission plans.

### **Challenges to Address This Gap**

- Communication between the school districts and Orange County Department of Education ACCESS in ensuring that the student completes the school district's rehabilitation/readmission plan continues to be a challenge. In some cases, the challenge is evident when school districts do not directly or promptly share the student's rehabilitation/readmission plan with ACCESS, thus leaving this task to parents and students to provide.
- There continues to be a need to identify additional intervention services for students to meet the specific requirements of their rehabilitation/readmission plans especially when involving mental health services and attendance supports.
- During the expulsion term, students may not be offered the classes that are required for high school graduation or are unable to successfully/pass the high school required courses. Because of the limited offer of the high school graduation required course load, some students are credit deficient upon return to the school district's traditional program.
- For students with IEPs, coordinating the successful completion of the rehabilitation/readmission plan and obtaining school board approval before conducting the transition IEP meeting continues to be a challenge.

### **Service Gap 4: Mental Health Services**

Orange County school districts continue to experience an increased need for mental health services and a shortage of affordable and accessible student options for services. Notwithstanding, the progress the OC school districts have made in addressing student mental health services by hiring additional district and site-based personnel, providing ongoing training, establishing/extending provider contracts, providing telehealth services, and securing additional funding, the growth in the need for student services continues to outpace the provided services of the school district.

### Progress since 2021

The Orange County Department of Education will continue to work to promote school and community partnerships and professional development to address the mental health needs of students, especially in light of the effects of COVID-19. The development of Local Control Accountability Plans gives greater attention to the mental health needs of students and the county office will assist districts as they strive to find ways to address the social-emotional needs of their students and support the “*whole child*”. This is one of OCDE’s strategic initiatives articulated in its 2016 -2019 Strategic Plan. OCDE, which heads the California SUMS (Scale Up Multi-Tiered System of Support) initiative, continues to provide technical assistance to many Orange County School Districts in the areas of Academic, Behavioral, and Social/Emotional support. Orange County Department of Education continues to share local resources through network meetings, emails, and PADLETS. The Orange County Department of Education ACCESS program will continue to work with districts to identify and assist expelled students who have mental health needs and whose family needs resources to care for the whole child. To this end, ACCESS has several mental health clinicians. Orange County Department of Education ACCESS will continue to provide more intensive counseling services by licensed mental health professionals trained in **Trauma Informed Care** and Restorative Practice. In addition, Orange County Department of Education ACCESS mental health clinicians are trained in **Trauma-Focused Therapy**. The OCDE, Orange County SELPAs, and school districts continue to assess any gaps resulting from changes in the funding structures to ensure the availability of appropriate mental health services for all students expelled from school.

### Ongoing Strategies for Addressing this Gap

OCDE was awarded the **Mental Health Student Services Act (MHSSA) Grant** in partnership with Orange County Health Care Agency (OCHCA) through December 2024, to strengthen mental health partnerships between county mental health or behavioral health departments, community-based organizations, and Orange County school districts to increase access to mental health services and remove barriers to better serve our students and families in their mental health needs. Expected outcomes related specifically to serving and supporting expelled students are as follows:

- Improving timely access to services (*Coordinating services for school districts with other county-wide K-12 services providers, including OCDE, and County Mental Health and Recovery Services*)
- Reducing barriers to needed services (*Supporting in the development and revision of district mental health processes and protocols and guiding improvements to district protocols*)
- Vetting and creating resources and tools for school staff

- Increasing linkages to mental health services for districts
- Increasing training on mental health topics for educators, administrators, parents/families, and students (*Trainer of trainer opportunities for school-based mental health staff utilizing evidence-based approaches*)
- Improving awareness and understanding of mental health topics and knowledge of how to navigate services
- Reducing negative student outcomes (*e.g., effects of suspensions/expulsions on mental health, chronic sadness/depression, anxiety, suicide ideation, suicide rates, chronic absenteeism, school failure, etc.*)
- Providing Crisis response to support students, families, and school staff in collaboration with the Crisis Response Network Team
- Supporting Student Attendance Review Board (SARB) panels
- Conducting Group counseling and education for students (*e.g., Cognitive Behavior Intervention for Trauma in Schools [CBITS] and Bounce Back training for staff*)
- Hosting student presentations through WellSpaces
- Providing and Training for care coordination for individual students

To accomplish these goals as a Community of Practice, the grant provides funding for Regional Mental Health Coordinators (RMHC), Behavior Intervention & Mental Health Services Coordinator, WellSpace Coordinator, and Substance Use & Mental Health Services Coordinator under the supervision of an MHSSA Grant Program Manager.

In support of the school district's efforts to build infrastructure and staff capacity within the best practices according to the School-Based Mental Health Alliance, the MHSSA Grant Team has identified fully-vetted tools and provided support for the following school-based mental health programs:

- Trauma-informed schools that promote feelings of physical, social, and emotional safety in students. These resources will help develop a shared understanding among staff about the impact of trauma and adversity on students and staff.
- Suicide Prevention resources to assist with compliance with AB 2246 and AB 1767.
- School-Based Health Centers offer a full range of age-appropriate healthcare services, typically including primary medical care, mental/behavioral health care, dental/oral health care, health education, substance abuse counseling, case management, and nutrition education.
- The SHAPE System has the tools teams need to improve school mental health programming by providing school mental health quality assessment, a resource library,

custom reports, and a library of free and low-cost screening and assessment measures. The following guides align with the MHTTC National School Mental Health Curriculum.

- School mental health screening is a systematic process to identify the strengths and needs of students. It supports student identification who may be experiencing or are at risk of experiencing social, emotional, and/or behavioral difficulties. The following national resources provide screening measure examples and guidance on how to support youth with early identification strategies.
- School-Based Mental Health Programs from the county, state, and national resources guide the development, implementation, evaluation, and sustainability of student mental health programs and services.
- Medi-Cal-funded services to fund and sustain school-based mental health services.

Moreover, to lower the student-to-mental health staff ratio and increase students' access to services, school districts have continued to hire more counselors, therapists, psychologists, social workers, clinicians/specialists, administrators/coordinators and increase the number of partnerships with community agencies to expand student access to mental health services, crisis response services, and special education services. Some school districts have shifted the duties and responsibilities of staff and provided additional training to include the delivery of mental health support services, threat assessment protocols, student safety plans, and community coordination/partnerships for mental health services for students. School districts have placed particular focus on at-risk students, low socio-economic students, Homeless and Foster Youth, LGBTQIA students, and students with irregular school attendance. Collaboratively, OCDE and Orange County school districts will continue to address the need for additional student mental health training and technical assistance for implementing behavior supports and strategies. To improve the implementation of Positive Behavior Intervention and Supports (PBIS) strategies schoolwide, some districts have established School Climate Lead Teachers and Teams at each school site to enhance the collaboration and coordination of the multi-tiered framework of support for which they receive Team Booster Training, PBIS Technical Assistance, and Active Supervision from OCDE Systemic Leadership and Continuous Improvement Unit.

### **Challenges to Address This Gap**

- The distribution of community mental health resources and services, specifically mentorship services, are not equitably dispersed or available throughout the communities within the Orange County school districts.
- The rate of increase in the need for student mental health services continues to rise steadily; keeping pace with the need for services and support continues to be a budgetary and human resource challenge.

- Maintaining consistency and adequate staffing at the county level, district level, and school sites continues to be a challenge.

**COUNTYWIDE BEHAVIOR INTERVENTIONS AND BEST PRACTICES  
TO PREVENT & ADDRESS SUSPENSIONS AND EXPULSIONS**

Orange County schools seek to minimize the number of expulsions by establishing prevention and early intervention practices. School districts pursue a variety of strategies to educate students and establish a safe and caring climate to prevent student misconduct. When warranted, disciplinary measures are implemented consistent with district policies and procedures to ensure fair and consistent disciplinary measures. These efforts will continue to prevent any disproportionate representation of minority students recommended for expulsion.

Expulsions occur when student and campus safety is threatened or when other means of correction have not been successful. School districts engage in several preventive and proactive strategies including but not limited to the following:

- Adult Mentoring of Students
- After-school programs that address specific behavioral issues or expose pupils to positive activities and behaviors, including, but not limited to, those operated in collaboration with local parent and community groups.
- Alternate Suspension Classrooms (ATS)
- Annual Notice of Parent Rights and Responsibilities
- Anti-bullying Programs
- Any of the alternatives described in Section 48900.6 related to community service
- Athletic Drug Testing
- Automated Telephone Notifications
- Behavior Skills Group
- Brief Intervention Counseling (Substance Abuse Counseling)
- Canine Solutions for Contraband Canine School visits
- *Care Solace*, a mental health concierge service
- Character Counts
- Check-in, Check-out

- Classroom Management training for administrators and teachers
- Clifton Strengths Finder
- *Come Walk In My Shoes* (abilities awareness)
- Community Partnership
- Conferences between school personnel, the pupil's parent or guardian, and the pupil.
- Conflict Mediators/Conflict Resolution Services
- *Connect4Kids Psychological Services*
- *Coordinated Approach to Children's Health (CATCH)*
- *Crisis Response Network (CRN)*
- *Everfi* for restorative practices and modules to address student mental health and wellness
- Enrollment in programs for teaching prosocial behavior or anger management
- *Every 15 Minute Program*
- *Friday Night Live*
- *Gang Resistance Intervention Partnership (GRIP)*
- Grad Night Activities
- Hazel (Tele-) Health
- Homework Clubs
- In-school Suspensions
- Juvenile Alcohol and Drug Education (JADE), PRYDE Program, Outreach Concern, Straight Talk, Western Youth Services and Other Community Counseling Partnerships
- Kindness Assemblies
- Link Crew
- Mindfulness practice/implementation of Mindful Mondays
- Multi-Tiered System of Support Framework (MTSS Continuum of Support)
- Online Classes and Credit Recovery Opportunities
- Other Means of Correction (OMC) and early intervention training for administrators and teachers
- Outreach Concern
- Parent Meetings and Information Nights

- *Pathways* program through California Youth Services
- *Peace Week* (Anti-bullying week)
- *Peer Assistance League* (PAL)
- Peer Court
- Police Cadet Programs
- *Positive Behavior Intervention and Supports* (PBIS)
- Random Acts of Kindness
- *Red Ribbon Week*
- Referrals for comprehensive psychosocial or psychoeducational assessment, including for purposes of creating an individualized education program, or a plan adopted pursuant to Section 504 of the federal Rehabilitation Act of 1973 (29 U.S.C. Sec. 794(a)).
- Referrals to the school counselor, psychologist, social worker, child welfare attendance personnel, or other school support service personnel for case management and counseling.
- Restorative Practices (RP)
- *Robyne's Nest*
- Safety Task Force
- St. Jude Hospital Grant
- Saturday School
- *Say Something* Anonymous Reporting System
- School-based Trauma-Informed Care Perspective and Resources training for school personnel
- School Attendance Review Board (SARB)
- School Attendance Review Team (SART)
- School counseling website with online counseling for self- and peer-referral services
- School Postings and Notices
- Seneca Family of Agencies
- Social Emotional Learning (SEL) Curriculum vetted CASEL such as Second Step and Sanford Harmony
- Stanford Tobacco Prevention Toolkit

- Student Behavior Contracts
- *Student Behavioral Health Incentive Program (SBHIP)*
- Student Clubs and Organizations
- Student Safety Plans
- Study teams, guidance teams, resource panel teams, or other intervention-related teams that assess the behavior, and develop and implement individualized plans to address the behavior in partnership with the pupil and his or her parents
- Successful Mind for School, Work, and Life
- Text-A-Tip
- *Thrively* (as an interests/strengths assessment and career explorer curriculum)
- *TUPE/DATE* activities
- Tutoring
- *Universal Design for Learning (UDL)*
- Villages of California
- Violence Prevention Curricula
- Violence Prevention Education Services
- *WellSpace*
- Western Youth Services
- WEB (Where Everybody Belongs)

***In the unforeseen occurrence of school building closures, additional proactive and preventative strategies to address student disciplinary incidents while undertaking a Remote and Hybrid Learning model is as follows:***

- Care and Support Hotlines to share need-based district and community resources
- Distance Learning for credit recovery for students to meet the academic objectives of the Rehabilitation Plan
- District virtual calming rooms with multifaceted approaches to reduce stress, improve mood, and assist with academic functioning by addressing social emotional barriers
- Online Needs Surveys for staff, students, and families
- Teletherapy/telehealth for social-emotional support and stress reduction for students
- Virtual small group counseling sessions for students



# PLAN FOR PROVIDING EDUCATIONAL SERVICES TO ALL EXPELLED STUDENTS IN LOWELL JOINT SCHOOL DISTRICT

## General Provisions

As required by Education Code 48926, the Orange County Superintendent of Schools has developed an expulsion plan in conjunction with the Superintendents of the school districts in Orange County. The plan provides for educational services to all expelled students in the county for school years 2021-2022, 2022-2023, and 2023-2024. A student whose behavior has resulted in an expulsion is provided a rehabilitation plan which ensures placement in an educational program and establishes the criteria for return to the Lowell Joint School District. All educational alternatives provided by Orange County school districts are not available to all expelled students. The type of offense, location of offense, grade level and nature of the student's individualized needs; all have the potential to affect the educational alternatives available to the student during the period of expulsion. Students expelled for any of the offenses listed in subdivision (a) or (c) of Section 48915 of the California Education Code shall not be permitted to enroll in any district-operated program during the period of expulsion unless it is a community day school (E.C. 48915.2).

As indicated in the Orange County Expulsion plan, the options available to Lowell Joint School District after an expulsion decision include, but are not limited to the following:

1. Expulsion, suspended order, with placement on the same school campus [E.C. section 48917 (a)].
2. Expulsion, suspended order, with placement on a different school campus within the district [E.C. section 48917 (a)].
3. Expulsion with referral to a district community day school program, if available [E.C. section 48660].
4. Expulsion with subsequent transfer to another district subject to acceptance by the district of proposed enrollment [E.C. section 48915.1].
5. Expulsion with referral to the Orange County Department of Education, Division of Alternative, Community and Correctional Education Schools and Services (ACCESS) [E.C. section 1981].

A specific referral to a district alternative suspension/expulsion classroom or county community school is made by the Lowell Joint School District governing board with recommendations from the School Attendance Review Board (SARB), or by another established district referral process as required by statute.

District activities relating to the prevention of expulsions are outlined in the following chart:

### Lowell Joint School District Prevention Activities

Title of Activity	Description of Activity	Grade Level
After School Programs	After-school programs that address specific behavioral issues or expose pupils to positive activities and behaviors, including, but not limited to, those operated in collaboration with local parent and community groups.	TK-8
Behavior Assemblies	Explanation of school rules and policies to students.	TK-8
Conferences	Conferences between school personnel, the pupil's parent or guardian, and the pupil.	TK-8
Digital Citizenship/Contracts	Internet safety trainings. Student internet contract.	TK-8
Elementary Counseling	Group and individual counseling services on campus with school psychologists, counselors, and outside agencies.	TK-6
Me-Kinney-Vento/Foster Youth Training	Increased education for all staff on the identification of McKinney-Vento and Foster Youth families and how to provide the appropriate resources.	TK-8
Middle School Counseling	Group and individual counseling services on campus.	7-8
Positive Behavior Intervention and Support (PBIS)	School site behavior management system that includes preventative and responsive approaches for all students.	TK-8
Parent Education	Parent information nights and classes.	TK-8
Parent Notification and Rights	Start of the year communication regarding policies and Procedures.	TK-8
Red Ribbon Week	Campaign designed to create awareness concerning the problems related to the use of tobacco, alcohol, and other drugs and to support the decision to live a drug-free lifestyle.	TK-8
Saturday School	Saturday School is a support system open to all students who need additional help to succeed in their classes.	TK-8
Student Behavior Contracts	The student behavior contract is a positive-reinforcement intervention that is used by principals and teachers to change student behavior. The behavior contract outlines in detail the expectations of student, parent, and teacher in carrying out the intervention plan.	TK-8
Student Success Teams	School team that assess the behavior, and develop and implement individualized plans to address the behavior in partnership with the pupil and his or her parents.	TK-8
Universal Design for Learning	Universal Design for Learning (UDL) is an educational framework based on research in the learning sciences, including cognitive neuroscience that guides the development of flexible learning environments that can accommodate individual learning differences.	TK-6

## PRE-EXPULSION PRACTICES

In an effort to prevent suspensions and expulsion, the Lowell Joint School District (LJSD) has provided the infrastructure for early intervention and prevention activities at all grade levels. It is our philosophy that all district interventions will be attempted prior to recommending a student for expulsion.

The following Multi-Tiered System of Supports describes our intervention and prevention strategies in order to decrease the likelihood of students being referred for an expulsion.

### Multi-Tiered System of Supports (MTSS)

#### *Universal Interventions (85%)*

Celebrations/Awards Assemblies  
Expectation Assemblies  
Parent Education Nights  
Code of Conduct (re-enforced)  
Bully Prevention  
Red Ribbon Week  
Digital Citizenship  
McKinney-Vento/Foster Youth Training for Staff  
Positive Rewards  
Parent Notification and Rights

#### *Targeted Group Interventions (5-10%)*

Re-Teaching  
Counseling/Tutoring Group  
Collaboration  
Peer Involvement  
Interventions

#### *Intensive Individual Interventions (1-5%)*

Individualized Behavioral Contracts  
Attendance Meetings  
ERMHS  
School Success Team Meetings  
Individualized Education Plans

### MTSS Principles

*High quality, scientifically based classroom instruction:* All students receive high quality, research based instruction in the general education classroom.

*Ongoing student assessment:* Progress monitoring provides information about a student's learning rate and level of achievement, both individually and in comparison with the peer group. The data is then used in determining which students require intervention.

*Intervention:* Multiple approaches are used to differentiate instruction for at risk youth.

*Educational Decisions Made:* After monitoring student progress, responsiveness to the intervention is measured and decisions are made regarding student's academic and behavioral needs.

**Decision Not to Enforce Expulsion Order (LJSDBP 5144.1)**

In cases where expulsion is mandatory pursuant to Education Code 48915(c), the enforcement of an expulsion order shall not be suspended by the Board. In all other cases of expulsion, the order for expulsion may be suspended by the board, on a case-by-case basis, pursuant to the requirements of law.

**Board Policies and Administrative Regulations Related to Expulsion**

Board Policy 5144 (Discipline)

Administrative Regulation 5144

(Discipline)

Board Policy 5144.1 (Suspension and Expulsion/Due

Process) Administrative 5144.1 (Suspension and

Expulsion/Due Process)

Administrative Regulation 5144.2 (Suspension and Expulsion/Due Process (Students with Disabilities))

**LOWELL JOINT SD**  
**PURCHASE ORDER DETAIL REPORT**  
**BOARD OF TRUSTEES MEETING 05/06/2024**

FROM 03/01/2024 TO 03/31/2024

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>PO TOTAL</u>	<u>ACCOUNT AMOUNT</u>	<u>ACCOUNT NUMBER</u>	<u>PSEUDO / OBJECT DESCRIPTION</u>
T99F0115	COASTLINE TERMITE & PEST CONTR	1,190.00	1,190.00	010000092 5630	GF-Unrest-Not Applicable / Repairs or Maintenance
T99F0116	ICS SERVICE COMPANY	425.50	425.50	010000089 5630	GF-Unrest-Not Applicable / Repairs or Maintenance
T99F0117	GOODMAN TREE SERVICE	7,500.00	7,500.00	010000102 5630	GF-Unrest-Not Applicable / Repairs or Maintenance
T99F0118	COASTLINE TERMITE & PEST CONTR	495.00	495.00	010000091 5630	GF-Unrest-Not Applicable / Repairs or Maintenance
T99F0119	EAST WHITTIER GLASS & MIRROR	362.00	362.00	010000093 5630	GF-Unrest-Not Applicable / Repairs or Maintenance
T99F0120	GOODMAN TREE SERVICE	1,400.00	1,400.00	010000105 5630	GF-Unrest-Not Applicable / Repairs or Maintenance
T99M0430	AMERICAN EXPRESS	508.99	508.99	0140350031 5200	GF-ESSA-Title II-Not Applicabl / Travel and Conferences
T99M0432	AMERICAN EXPRESS	28.54	28.54	0100000317 4300	GF_UNRESTRICTED_SUPT / Materials and Supplies
T99M0433	AMERICAN EXPRESS	318.03	318.03	0100880006 4300	GF-Tech Alloc MG / Materials and Supplies
T99M0434	AMERICAN EXPRESS	69.68	69.68	0100980011 4300	GF-DonMdwGreen / Materials and Supplies
T99M0435	AMERICAN EXPRESS	60.62	60.62	0195640021 4300	MedCal/Psych-Olita / Materials and Supplies
T99M0436	AMERICAN EXPRESS	323.02	323.02	1260530009 4300	PS/Macy / Materials and Supplies
T99M0437	AMERICAN EXPRESS	913.23	913.23	0167700004 4400	Prop28-Choral/Elementary / Non Capitalized Equipment
T99M0438	AMERICAN EXPRESS	1,075.00	1,075.00	0100000071 5200	GF-Unrest-Not Applicable / Travel and Conferences
T99M0439	AMERICAN EXPRESS	423.07	154.26	1260530003 4300	UPK/Preschool / Materials and Supplies
			202.67	1260530004 4300	UPK/Jordan PS / Materials and Supplies
			66.14	1260530009 4300	PS/Macy / Materials and Supplies
T99M0440	AMERICAN EXPRESS	67.47	67.47	1260530003 4300	UPK/Preschool / Materials and Supplies
T99M0441	AMERICAN EXPRESS	231.53	231.53	1260530006 5200	PS/UPK / Travel and Conferences
T99M0442	AMERICAN EXPRESS	83.32	83.32	0195640024 4300	MedCal/SE-Health / Materials and Supplies
T99M0443	AMERICAN EXPRESS	94.16	94.16	0105110044 4300	GF-SiteAlloc RS / Materials and Supplies
T99M0444	AMERICAN EXPRESS	3,000.00	3,000.00	0100000317 4300	GF_UNRESTRICTED_SUPT / Materials and Supplies
T99M0445	AMERICAN EXPRESS	60.21	60.21	010880006 4300	GF-TechAllocMG / Materials and Supplies

**LOWELL JOINT SD**  
**PURCHASE ORDER DETAIL REPORT**  
 BOARD OF TRUSTEES MEETING 05/06/2024

FROM 03/01/2024 TO 03/31/2024

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>PO TOTAL</u>	<u>ACCOUNT AMOUNT</u>	<u>ACCOUNT NUMBER</u>	<u>PSEUDO / OBJECT DESCRIPTION</u>
T99M0446	AMERICAN EXPRESS	2,350.00	2,350.00	0100000317 5200	GF_UNRESTRICTED_SUPT / Travel and Conferences
T99M0447	AMERICAN EXPRESS	108.72	108.72	0165000033 4300	GF-SpEd-Not Applicable / Materials and Supplies
T99M0448	AMERICAN EXPRESS	158.55	158.55	0167620001 4300	LJYT-ArtMusicBlkGr / Materials and Supplies
T99M0449	AMERICAN EXPRESS	40.32	40.32	0195640011 4300	MedCal/SE-RS / Materials and Supplies
T99M0450	AMERICAN EXPRESS	1,400.00	1,400.00	0195640028 5200	MedCal/SE-OthSpecServ / Travel and Conferences
T99M0451	AMERICAN EXPRESS	246.94	246.94	1353100045 4700	NutritionServ/RS / Food
T99M0452	AMERICAN EXPRESS	81.25	81.25	0195640022 4300	MedCal/Psych-RS / Materials and Supplies
T99M0453	AMERICAN EXPRESS	29.79	29.79	0100980011 4300	GF-DonMdwGreen / Materials and Supplies
T99M0454	AMERICAN EXPRESS	361.31	361.31	0100980011 4300	GF-DonMdwGreen / Materials and Supplies
T99M0455	AMERICAN EXPRESS	578.00	578.00	0100000317 5200	GF_UNRESTRICTED_SUPT / Travel and Conferences
T99M0456	AMERICAN EXPRESS	496.91	496.91	0162660002 4300	EdEffect/Inst.Support / Materials and Supplies
T99M0457	AMERICAN EXPRESS	1,284.23	1,284.23	0105110047 4300	RS/YBook-LG1A8 / Materials and Supplies
T99M0458	AMERICAN EXPRESS	277.84	277.84	0105110047 4300	RS/YBook-LG1A8 / Materials and Supplies
T99M0459	AMERICAN EXPRESS	436.84	436.84	0105110047 4300	RS/YBook-LG1A8 / Materials and Supplies
T99M0460	AMERICAN EXPRESS	49.56	49.56	0105110044 4300	GF-SiteAlloc RS / Materials and Supplies
T99M0461	AMERICAN EXPRESS	70.23	70.23	0100980006 4300	GF-DonMdwGreen-Not Applicable / Materials and Supplies
T99M0462	AMERICAN EXPRESS	409.39	409.39	0167620001 4300	LJYT-ArtMusicBlkGr / Materials and Supplies
T99M0463	AMERICAN EXPRESS	44.08	44.08	0167620001 4300	LJYT-ArtMusicBlkGr / Materials and Supplies
T99M0464	AMERICAN EXPRESS	568.59	568.59	0167620001 4300	LJYT-ArtMusicBlkGr / Materials and Supplies
T99M0465	AMERICAN EXPRESS	582.18	582.18	0167620001 4300	LJYT-ArtMusicBlkGr / Materials and Supplies
T99M0466	AMERICAN EXPRESS	493.67	493.67	0167620001 4300	LJYT-ArtMusicBlkGr / Materials and Supplies
T99M0467	AMERICAN EXPRESS	368.60	368.60	0130100007 4300	GF-ESSA:T1 PartA-Not Applicabl / Materials and Supplies
T99M0468	AMERICAN EXPRESS	1,448.75	1,448.75	0167620001 4300	LJYT-ArtMusicBlkGr / Materials and Supplies

**LOWELL JOINT SD**  
**PURCHASE ORDER DETAIL REPORT**  
 BOARD OF TRUSTEES MEETING 05/06/2024

FROM 03/01/2024 TO 03/31/2024

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>PO TOTAL</u>	<u>ACCOUNT AMOUNT</u>	<u>ACCOUNT NUMBER</u>	<u>PSEUDO / OBJECT DESCRIPTION</u>
T99M0469	AMERICAN EXPRESS	2,500.00	2,500.00	0162660006 5200	EdServices / Travel and Conferences
T99M0470	AMERICAN EXPRESS	1,000.00	1,000.00	0100000317 5200	GF_UNRESTRICTED_SUPT / Travel and Conferences
T99M0471	AMERICAN EXPRESS	196.55	196.55	0105110044 4300	GF-SiteAlloc RS / Materials and Supplies
T99M0472	AMERICAN EXPRESS	64.05	64.05	0100980006 4300	GF-DonMdwGreen-Not Applicable / Materials and Supplies
T99M0473	AMERICAN EXPRESS	471.80	471.80	0100000058 4300	DO/Health Services / Materials and Supplies
T99M0474	AMERICAN EXPRESS	475.00	475.00	0105110041 4300	GF-SiteAllocRS / Materials and Supplies
T99M0475	AMERICAN EXPRESS	44.18	44.18	0100000409 4300	GF-UNREST / Materials and Supplies
T99M0476	AMERICAN EXPRESS	180.00	180.00	0100000098 5800	GF-Unrest-Not Applicable / Prof/ConsultingServ&Oper Exp
T99M0477	AMERICAN EXPRESS	291.05	291.05	0167620001 4300	LJYT-ArtMusicBlkGr / Materials and Supplies
T99M0478	AMERICAN EXPRESS	627.60	627.60	0105110044 4300	GF-SiteAlloc RS / Materials and Supplies
T99M0479	AMERICAN EXPRESS	519.19	519.19	0105110044 4300	GF-SiteAlloc RS / Materials and Supplies
T99N0040	ACTION SALES	6,624.60	6,624.60	0170320011 6500	KIT InfastrEquip/MG / Equipment Replacement
T99N0041	ULINE	810.32	810.32	1353100052 4400	Nutrition Services / Non Capitalized Equipment
T99N0042	SOCAL4 LLC	15,000.00	5,500.00	1353100040 4700	NutritionServ/EP / Food
			4,000.00	1353100042 4700	NutritionServ/Macy / Food
			5,500.00	1353100044 4700	NutritionServ/Olita / Food
T99N0043	THE HOME DEPOT PRO INSTITUTION	70.01	70.01	1353100043 4300	NutritionServ/MG / Materials and Supplies
T99R0407	LOS ANGELES COUNTY OFFICE OF E	600.00	600.00	0105110044 4300	GF-SiteAlloc RS / Materials and Supplies
T99R0408	IMAGINE LEARNING LLC	9,535.25	110.25	0132130038 4300	ESSERIII/Virtual Academy/LG1A1 / Materials and Supplies
			9,425.00	0132130038 5810	ESSERIII/Virtual Academy/LG1A1 / Licenses/Technology
T99R0409	SOUTHWEST SCHOOL SUPPLY	2,000.00	2,000.00	0100000071 4300	GF-Unrest-Not Applicable / Materials and Supplies
T99R0411	PEST OPTIONS INC.	196.50	196.50	0100000137 5570	GF-Unrestricted / Pest Control
T99R0412	PEST OPTIONS INC.	196.41	196.41	0100000139 5570	GF-Unrestricted / Pest Control

**LOWELL JOINT SD**  
**PURCHASE ORDER DETAIL REPORT**  
 BOARD OF TRUSTEES MEETING 05/06/2024

FROM 03/01/2024 TO 03/31/2024

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>PO TOTAL</u>	<u>ACCOUNT AMOUNT</u>	<u>ACCOUNT NUMBER</u>	<u>PSEUDO / OBJECT DESCRIPTION</u>
T99R0413	TECHNICOLOR PRINTING	1,334.69	1,334.69	0167620001 4300	LJYT-ArtMusicBlkGr / Materials and Supplies
T99R0414	NO EXCUSES UNIVERSITY	2,152.96	2,152.96	0130100068 4300	T3-EP/Instr-SPSAG3A1 / Materials and Supplies
T99R0415	TECHNICOLOR PRINTING	1,631.42	1,631.42	0167620001 4300	LJYT-ArtMusicBlkGr / Materials and Supplies
T99R0416	CONCORDIA UNIVERSITY IRVINE	9,000.00	9,000.00	0100000317 4300	GF_UNRESTRICTED_SUPT / Materials and Supplies
T99R0417	PAWS-TO-SHARE	640.00	640.00	0105110044 4300	GF-SiteAlloc RS / Materials and Supplies
T99R0418	PROJECT LEAD THE WAY	429.98	429.98	0130100046 4300	TI/MG-Inst/SPSAG1A3 / Materials and Supplies
T99R0419	CUE	389.00	389.00	0195640028 5200	MedCal/SE-OthSpecServ / Travel and Conferences
T99R0420	BUREAU OF EDUCATION & RESEARCH	279.00	279.00	0195640019 5200	MedCal/SLP-SE / Travel and Conferences
T99R0421	FRANCHISE CONSULTING	3,850.00	3,850.00	0105110044 5800	GF-SiteAlloc RS / Prof/ConsultingServ&Oper Exp
T99R0422	GP GRAPHICS	121.28	121.28	0100910005 4300	GF-DonEl Portal-Not Applicable / Materials and Supplies
T99R0423	BIOLA UNIVERSITY INC	150.00	150.00	0100000317 5200	GF_UNRESTRICTED_SUPT / Travel and Conferences
T99R0424	GOPHER	109.29	109.29	0109110028 4300	RS Don/PE / Materials and Supplies
T99R0425	LOS ANGELES COUNTY OFFICE OF E	140.00	140.00	0162660006 5200	EdServices / Travel and Conferences
T99R0426	NCS PEARSON INC.	355.51	355.51	0195640023 4300	MedCal/Psych-SE / Materials and Supplies
T99R0427	NCS PEARSON INC.	1,480.15	1,480.15	0165000035 4300	GF-SpEd-Not Applicable / Materials and Supplies
T99R0428	RANCHO LA HABRA REPUBLICAN WOM	450.00	450.00	0100000317 4300	GF_UNRESTRICTED_SUPT / Materials and Supplies
T99R0429	OAK HALL INDUSTRIES L.P.	6,117.00	6,117.00	0105110044 4300	GF-SiteAlloc RS / Materials and Supplies
T99R0430	ICS SERVICE COMPANY	256.10	256.10	0100000096 5630	GF-Unrest-Not Applicable / Repairs or Maintenance
T99R0431	GOLD COAST TOURS	1,297.38	1,297.38	0105110044 4300	GF-SiteAlloc RS / Materials and Supplies
T99R0432	OCDE	41,250.00	41,250.00	0100000071 5800	GF-Unrest-Not Applicable / Prof/ConsultingServ&Oper Exp
T99R0433	RMH DANCE & PRODUCTIONS	455.00	455.00	0167620001 5800	LJYT-ArtMusicBlkGr / Prof/ConsultingServ&Oper Exp
T99R0434	RMH DANCE & PRODUCTIONS	3,375.00	3,375.00	0167620001 5800	LJYT-ArtMusicBlkGr / Prof/ConsultingServ&Oper Exp
T99R0435	TRINIDAD, GINA	947.20	947.20	0105110044 4300	GF-SiteAlloc RS / Materials and Supplies



**LOWELL JOINT SD**  
**PURCHASE ORDER DETAIL REPORT**  
 BOARD OF TRUSTEES MEETING 05/06/2024

FROM 03/01/2024 TO 03/31/2024

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>PO TOTAL</u>	<u>ACCOUNT AMOUNT</u>	<u>ACCOUNT NUMBER</u>	<u>PSEUDO / OBJECT DESCRIPTION</u>
T99R0436	BREA OLINDA UNIFIED SCHOOL DIS	104.66	104.66	0105110044 4300	GF-SiteAlloc RS / Materials and Supplies
T99R0437	TARGET SPECIALTY PRODUCTS	204.60	204.60	0100000108 4300	GF-Unrest-Not Applicable / Materials and Supplies
T99R0438	SCHOOL SERVICES OF CALIFORNIA	275.00	275.00	0100000071 5200	GF-Unrest-Not Applicable / Travel and Conferences
T99R0439	ENTERPRISE HOLDINGS, INC.	441.21	441.21	0100000098 5610	GF-Unrest-Not Applicable / Rentals & Leases
T99R0441	TRINIDAD, GINA	350.40	350.40	0167620001 4300	LJYT-ArtMusicBlkGrt / Materials and Supplies
T99R0442	SIGLER WHOLESALE DISTRIBUTORS	225.70	225.70	0100000096 4300	GF-Unrest-Not Applicable / Materials and Supplies
T99R0443	806 TECHNOLOGIES INC.	3,850.00	3,850.00	0130100011 5810	GF-ESSA:T1 PartA-Not Applicabl / Licenses/Technology
T99R0444	FULLERTON JOINT UNION HS DIST	416.50	416.50	0167620001 5800	LJYT-ArtMusicBlkGrt / Prof/ConsultingServ&Oper Exp
T99R0445	ROCHESTER 100 INC.	879.24	879.24	0100980011 4300	GF-DonMdwGreen / Materials and Supplies
T99R0446	BUENA PARK PLAQUE & TROPHY	12.39	12.39	0100000317 4300	GF_UNRESTRICTED_SUPT / Materials and Supplies
T99R0447	OCDE	4,800.00	4,800.00	0162660012 5800	EdEffect-GATE/LG5A1-PD / Prof/ConsultingServ&Oper E:
T99R0448	TRINIDAD, GINA	1,159.78	1,159.78	0167620001 4300	LJYT-ArtMusicBlkGrt / Materials and Supplies
T99R0449	AMERICAN EXPRESS	200.00	200.00	0105110041 4300	GF-SiteAllocRS / Materials and Supplies
T99T0035	ARAMARK	262.35	262.35	0108880020 5890	GF-Technology-Not Applicable / Other Services
T99T0036	DELL MARKETING L.P.	49,457.76	7,913.24	0108880033 4400	GF-Technology-Not Applicable / Non Capitalized Equipmer
			7,913.24	0108880034 4400	GF-Technology-Not Applicable / Non Capitalized Equipmer
			7,913.24	0108880035 4400	GF-Technology-Not Applicable / Non Capitalized Equipmer
			7,913.24	0108880036 4400	GF-Technology-Not Applicable / Non Capitalized Equipmer
			6,924.09	0108880037 4400	GF-Technology-Not Applicable / Non Capitalized Equipmer
			10,880.71	0108880038 4400	GF-Technology-Not Applicable / Non Capitalized Equipmer
T99X0019	FULLERTON SCHOOL DISTRICT	2,000.00	2,000.00	0167620001 4300	LJYT-ArtMusicBlkGrt / Materials and Supplies
	<b>Fund 01 Total:</b>	<b>195,595.82</b>			
	<b>Fund 12 Total:</b>	<b>1,045.09</b>			
	<b>Fund 13 Total:</b>	<b>16,127.27</b>			

**LOWELL JOINT SD**  
**PURCHASE ORDER DETAIL REPORT**  
BOARD OF TRUSTEES MEETING 05/06/2024

FROM 03/01/2024 TO 03/31/2024

<u>PO</u> <u>NUMBER</u>	<u>VENDOR</u>	<u>PO</u> <u>TOTAL</u>	<u>ACCOUNT</u> <u>AMOUNT</u>	<u>ACCOUNT</u> <u>NUMBER</u>	<u>PSEUDO / OBJECT DESCRIPTION</u>
Total Amount of Purchase Orders:		212,768.18			

**LOWELL JOINT SD**  
**Consolidated Check Register**  
 from 3/1/2024 to 3/31/2024

Check	Payee ID	Payee Name	Reference	Subs	Check Date	Cancel Date	Type	Status	Check Amount
99 00005335	V9903421	ARAIZA, ISABEL	02232024	OH	03/01/2024		MW	IS	500.00
99 00005336	V9903585	COSTELLO, LARRY	02272024	OH	03/01/2024		MW	IS	700.00
99 00005337	V9903531	DAVIS, SUMMER	016	OH	03/01/2024		MW	IS	1,512.00
99 00005338	E9903707	Hutcherson, Angela	10312023	OH	03/01/2024		MW	IS	372.75
99 00005339	E9900084	JIM COOMBS	02232024	OH	03/01/2024		MW	IS	150.18
99 00005340	V9903279	LOPEZ, ALEJANDRO	02232024	OH	03/01/2024		MW	IS	500.00
99 00005341	I9900010	MIJARES, EDWARD	02232024	OH	03/01/2024		MW	IS	1,000.00
99 00005342	V9903583	MORALES, OMAR	02272024	OH	03/01/2024		MW	IS	700.00
99 00005343	V9900137	ORANGE COUNTY SCHOOL BOARD ASS	22224	OH	03/01/2024		MW	IS	55.00
99 00005344	F9900052	PDQ EQUIPMENT RENTAL	819839	OH	03/01/2024		MW	IS	1,276.00
99 00005345	V9903379	SAVVAS LEARNING COMPANY LLC	4027109700	OH	03/01/2024		MW	IS	214.49
99 00005346	F9900007	AUTOZONE	5499670708	OH	03/06/2024		MW	IS	68.60
99 00005347	F9900014	BUG FLIP	70477	OH	03/06/2024		MW	IS	2,315.00
99 00005348	U9900001	CITY OF LA HABRA WATER DEPARTM	02232024	OH	03/06/2024		MW	IS	1,665.97
99 00005349	F9900031	F.M. THOMAS AIR CONDITIONING	46353	OH	03/06/2024		MW	IS	1,262.06
99 00005350	V9903283	GATTO, NANCY	02242024	OH	03/06/2024		MW	IS	103.01
99 00005351	V9903303	iPRINT TECHNOLOGIES	1110175	OH	03/06/2024		MW	IS	65.06
99 00005352	E9900138	MARIKATE ELMQUIST	02242024	OH	03/06/2024		MW	IS	125.34
99 00005353	I9900009	ROCKENBACH, DYLAN	10724	OH	03/06/2024		MW	IS	324.00
99 00005354	V9900172	SCHOOL SERVICES OF CALIFORNIA	W134965-IN	OH	03/06/2024		MW	IS	2,925.00
99 00005355	U9900004	SOUTHERN CALIFORNIA EDISON	0122022024JO	OH	03/06/2024		MW	IS	4,710.23
99 00005356	U9900005	SOUTHERN CALIFORNIA GAS CO	0119022024DO	OH	03/06/2024		MW	IS	1,903.66
99 00005357	VOID.CONTI	Void - Continued Stub	CONTINUE	OH	03/06/2024		VM	VD	0.00
99 00005358	V9900179	SOUTHWEST SCHOOL SUPPLY	6000264920	OH	03/06/2024		MW	IS	5,081.81
99 00005359	U9900008	T-MOBILE	0121022024	OH	03/06/2024		MW	IS	164.92
99 00005360	U9900009	VERIZON WIRELESS-LA	9956848218	OH	03/06/2024		MW	IS	1,850.67
99 00005361	V9900203	VEX ROBOTICS	721388	OH	03/06/2024		MW	IS	12,958.80
99 00005362	B9990004	APPLIED BEST PRACTICES	28988	OH	03/06/2024		MW	IS	2,301.64
99 00005363	F9900011	BEST LAWNMOWER INC.	109934	OH	03/07/2024		MW	IS	1,596.77
99 00005364	V9900056	DELTA DENTAL OF CALIFORNIA	BE005967733-MAR	OH	03/07/2024		MW	IS	2,429.44
99 00005365	V9903376	GoTo Communications Inc.	IN7102743897	OH	03/07/2024		MW	IS	4,797.02
99 00005366	V9903580	GRAINGER	9025933871	OH	03/07/2024		MW	IS	1,616.09
99 00005367	V9903404	IMAGINE LEARNING LLC	986226	OH	03/07/2024		MW	IS	9,535.25
99 00005368	V9903303	iPRINT TECHNOLOGIES	1111636	OH	03/07/2024		MW	IS	52.92

**LOWELL JOINT SD**  
**Consolidated Check Register**  
 from 3/1/2024 to 3/31/2024

Check	Payee ID	Payee Name	Reference	Subs	Check Date	Cancel Date	Type	Status	Check Amount
99 00005369	E9900139	MARY BRIMMAGE	FEB24_MARYREI	OH	03/07/2024		MW	IS	90.89
99 00005370	F9900052	PDQ EQUIPMENT RENTAL	821162	OH	03/07/2024		MW	IS	813.77
99 00005371	V9900149	QUADIENT LEASING USA INC.	Q1211499	OH	03/07/2024		MW	IS	1,079.82
99 00005372	V9903300	TECHNICOLOR PRINTING	8552	OH	03/07/2024		MW	IS	2,966.11
99 00005373	U9900010	WARE DISPOSAL	1440706	OH	03/07/2024		MW	IS	4,460.38
99 00005374	V9903520	JAMPANA ENTERPRISES LLC DBA CO	PS2-24	OH	03/07/2024		MW	IS	17,787.00
99 00005375	V9903521	YMCA OF ORANGE COUNTY	JAN24ELOPPGRM	OH	03/07/2024		MW	IS	51,446.03
99 00005376	V9903259	A-TECH CONSULTING INC	240082	OH	03/07/2024		MW	IS	5,533.00
99 00005377	V9900076	FULLERTON JOINT UNION HS DIST	70R10138	OH	03/08/2024		MW	IS	2,285.50
99 00005378	U9900004	SOUTHERN CALIFORNIA EDISON	124022224MG	OH	03/08/2024		MW	IS	5,266.84
99 00005379	U9900005	SOUTHERN CALIFORNIA GAS CO	0126022724MA	OH	03/08/2024		MW	IS	1,070.69
99 00005380	U9900006	SUBURBAN WATER SYSTEMS	180032488824	OH	03/08/2024		MW	IS	1,881.56
99 00005381	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	6975WC	OH	03/11/2024		MW	IS	107,428.00
99 00005382	V9900020	ATKINSON ANDELSON LOYA RUUD &	687300236000065	OH	03/11/2024		MW	IS	89.00
99 00005383	V9903733	BRUCE MANSELL	02282024	OH	03/11/2024		MW	IS	104.47
99 00005384	V9903605	COASTLINE TERMITE & PEST CONTR	29775	OH	03/11/2024		MW	IS	1,190.00
99 00005385	V9903614	CONCORDIA UNIVERSITY IRVINE	03072024	OH	03/11/2024		MW	IS	9,000.00
99 00005386	E9900263	ERBER ESPINOZA GARCIA	02292024	OH	03/11/2024		MW	IS	45.75
99 00005387	F9900031	F.M. THOMAS AIR CONDITIONING	46252	OH	03/11/2024		MW	IS	300.00
99 00005388	V9900080	GOPHER	IN352374	OH	03/11/2024		MW	IS	80.21
99 00005389	E9900221	JENNIFER JACKSON	02282024	OH	03/11/2024		MW	IS	18.25
99 00005390	E9900084	JIM COOMBS	03012024	OH	03/11/2024		MW	IS	206.94
99 00005391	V9900103	LAKESHORE LEARNING MATERIALS L	262485022324	OH	03/11/2024		MW	IS	221.38
99 00005392	V9900104	LEADER SERVICES	CDS 6646	OH	03/11/2024		MW	IS	751.65
99 00005393	E9900256	OWEN FISCUS	03012024	OH	03/11/2024		MW	IS	40.21
99 00005394	F9900053	PEST OPTIONS INC.	442276	OH	03/11/2024		MW	IS	392.91
99 00005395	F9900054	PLUMBING WHOLESALE OUTLET	S100744834.001	OH	03/11/2024		MW	IS	49.75
99 00005396	V9903715	PLUSOPTIX INC	2024 1135	OH	03/11/2024		MW	IS	5,518.01
99 00005397	U9900004	SOUTHERN CALIFORNIA EDISON	0130022824MYB	OH	03/11/2024		MW	IS	6,904.59
99 00005398	VOID.CONTI	Void - Continued Stub	CONTINUE	OH	03/11/2024		VM	VD	0.00
99 00005399	V9900179	SOUTHWEST SCHOOL SUPPLY	6000289903	OH	03/11/2024		MW	IS	3,428.62
99 00005400	V9903725	Speech Corner	25467	OH	03/11/2024		MW	IS	200.93
99 00005401	U9900006	SUBURBAN WATER SYSTEMS	102300289062	OH	03/11/2024		MW	IS	382.85
99 00005402	V9900184	SUPER DUPER PUBLICATIONS	2894555A	OH	03/11/2024		MW	IS	365.81

**LOWELL JOINT SD**  
**Consolidated Check Register**  
 from 3/1/2024 to 3/31/2024

Check	Payee ID	Payee Name	Reference	Subs	Check Date	Cancel Date	Type	Status	Check Amount
99 00005403	I9900011	TRINIDAD, GINA	2052024	OH	03/11/2024		MW	IS	481.80
99 00005404	E9900185	SHARON KIM	02282024	OH	03/11/2024		MW	IS	118.18
99 00005405	VOID.CONTI	Void - Continued Stub	CONTINUE	OH	03/12/2024		VM	VD	0.00
99 00005406	V9900179	SOUTHWEST SCHOOL SUPPLY	6000265380	OH	03/12/2024		MW	IS	2,962.67
99 00005407	N9900003	BERNIER REFRIGERATION GENERATI	28002	OH	03/12/2024		MW	IS	738.19
99 00005408	F9900014	BUG FLIP	FEB24	OH	03/12/2024		MW	IS	210.00
99 00005409	N9900015	Continental Sales	FEB24	OH	03/12/2024		MW	IS	12,470.50
99 00005410	N9900004	DRIFTWOOD DAIRY	FEB24	OH	03/12/2024		MW	IS	10,900.56
99 00005411	N9900007	GOLD STAR FOODS	FEB24	OH	03/12/2024		MW	IS	46,449.56
99 00005412	V9903642	KWIPPED INC	R3886-P19584	OH	03/12/2024		MW	IS	3,081.49
99 00005413	F9900045	LADY BUGS ENVIRONMENTAL TERMIT	153059	OH	03/12/2024		MW	IS	55.00
99 00005414	N9900009	P & R PAPER SUPPLY COMPANY	FEB24	OH	03/12/2024		MW	IS	5,330.15
99 00005415	VOID.CONTI	Void - Continued Stub	CONTINUE	OH	03/13/2024		VM	VD	0.00
99 00005416	VOID.CONTI	Void - Continued Stub	CONTINUE	OH	03/13/2024		VM	VD	0.00
99 00005417	VOID.CONTI	Void - Continued Stub	CONTINUE	OH	03/13/2024		VM	VD	0.00
99 00005418	V9900013	AMERICAN EXPRESS	TOP100	OH	03/13/2024		MW	IS	56,347.64
99 00005419	V9900013	AMERICAN EXPRESS	114-093819345114	OH	03/13/2024		MW	IS	554.74
99 00005420	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24VLIFBU	OH	03/14/2024		MW	IS	1,136.96
99 00005421	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24DDR	OH	03/14/2024		MW	IS	29,000.06
99 00005422	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24VSR	OH	03/14/2024		MW	IS	5,961.78
99 00005423	E9900032	CAMERON MILLER	03042024	OH	03/14/2024		MW	IS	223.86
99 00005424	I9900020	CAMILLE VARGAS	C.VARGAS LJYT	OH	03/14/2024		MW	IS	283.05
99 00005425	I9900021	CHRISTINE LOGAN	C.LOGAN LJYT	OH	03/14/2024		MW	IS	2,160.00
99 00005426	F9900019	CITY OF LA HABRA	LH 23-549 AR	OH	03/14/2024		MW	IS	1,718.54
99 00005427	I9900008	FRANCHISE CONSULTING	0003	OH	03/14/2024		MW	IS	3,850.00
99 00005428	S9990002	GALLAGHER PEDIATRIC THERAP	11157	OH	03/14/2024		MW	IS	2,237.10
99 00005429	V9903673	GOODMAN TREE SERVICE	01312024	OH	03/14/2024		MW	IS	1,800.00
99 00005430	V9900081	GP GRAPHICS	000920	OH	03/14/2024		MW	IS	121.28
99 00005431	F9900038	ICS SERVICE COMPANY	38516	OH	03/14/2024		MW	IS	425.50
99 00005432	V9903410	JAUREGUI, KRISTEN JOY	03082024	OH	03/14/2024		MW	IS	140.54
99 00005433	E9900084	JIM COOMBS	03072024	OH	03/14/2024		MW	IS	191.96
99 00005434	V9903568	LITTLE EARS THERAPY CENTER	006	OH	03/14/2024		MW	IS	480.00
99 00005435	E9900139	MARY BRIMMAGE	M.BRIMM MAR24	OH	03/14/2024		MW	IS	712.25
99 00005436	V9903415	NEAVEZ, MARY MADELINE	LJYT JAN-	OH	03/14/2024		MW	IS	2,970.00

**LOWELL JOINT SD**  
**Consolidated Check Register**  
 from 3/1/2024 to 3/31/2024

Check	Payee ID	Payee Name	Reference	Subs	Check Date	Cancel Date	Type	Status	Check Amount
99 00005437	V9903656	NETSYNC NETWORK SOLUTIONS	2026123338	OH	03/14/2024		MW	IS	9,778.38
99 00005438	V9903592	Rancho La Habra Republican Wom	3282024	OH	03/14/2024		MW	IS	450.00
99 00005439	E9900170	REGINA FISCUS	CAN 2024	OH	03/14/2024		MW	IS	93.79
99 00005440	V9903730	RON GUTTERMAN	FEB/MAR 2024	OH	03/14/2024		MW	IS	742.50
99 00005441	U9900004	SOUTHERN CALIFORNIA EDISON	0205030524OL	OH	03/14/2024		MW	IS	2,660.39
99 00005442	U9900006	SUBURBAN WATER SYSTEMS	180061873156	OH	03/14/2024		MW	IS	491.71
99 00005443	V9903728	Therapro Inc.	IN509358	OH	03/14/2024		MW	IS	36.44
99 00005444	E9900214	WHITNEY TAKACS	22324	OH	03/14/2024		MW	IS	45.98
99 00005445	I9900024	ZOE KINNE	FEB/MAR 2024	OH	03/14/2024		MW	IS	528.75
99 00005446	V9903352	ACTIVE EDUCATION	2419	OH	03/14/2024		MW	IS	8,640.00
99 00005447	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24VLIFBU	OH	03/14/2024		MW	IS	63.59
99 00005448	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24DDA	OH	03/14/2024		MW	IS	1,278.75
99 00005449	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24VSA	OH	03/14/2024		MW	IS	265.87
99 00005450	I9900020	CAMILLE VARGAS	C.VARGAS LJYT	OH	03/14/2024		MW	IS	31.45
99 00005451	I9900021	CHRISTINE LOGAN	C.LOGAN LJYT	OH	03/14/2024		MW	IS	240.00
99 00005452	V9903531	DAVIS, SUMMER	S.DAVIS FEB 2024	OH	03/14/2024		MW	IS	315.00
99 00005453	V9903415	NEAVEZ, MARY MADELINE	LJYT JAN-	OH	03/14/2024		MW	IS	330.00
99 00005454	V9903730	RON GUTTERMAN	FEB/MAR 2024	OH	03/14/2024		MW	IS	82.50
99 00005455	I9900024	ZOE KINNE	FEB/MAR 2024	OH	03/14/2024		MW	IS	58.75
99 00005456	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24VLIFBU	OH	03/14/2024		MW	IS	59.72
99 00005457	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24DDA	OH	03/14/2024		MW	IS	1,395.00
99 00005458	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24VSA	OH	03/14/2024		MW	IS	290.04
99 00005459	F9900019	CITY OF LA HABRA	LH 23-549 AR	OH	03/14/2024		MW	IS	258.38
99 00005460	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24VLIFBU	OH	03/14/2024		MW	IS	4.76
99 00005461	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24DDR	OH	03/14/2024		MW	IS	181.47
99 00005462	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24VSR	OH	03/14/2024		MW	IS	37.45
99 00005463	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24VLIFAD	OH	03/14/2024		MW	IS	8.65
99 00005464	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24DDA	OH	03/14/2024		MW	IS	116.25
99 00005465	V9900010	ALLIANCE OF SCHOOLS FOR COOPER	MAR24VSA	OH	03/14/2024		MW	IS	24.17
99 00005466	B9990010	ERICKSON-HALL CONSTRUCTION	APP #8	OH	03/14/2024		MW	IS	1,131,657.53
99 00005467	V9903606	POST BROS. CONSTRUCTION CO.	PAY APP 4	OH	03/14/2024		MW	IS	15,338.10
99 00005468	V9903734	BIOLA UNIVERSITY INC	1484	OH	03/15/2024		MW	IS	150.00
99 00005469	F9900014	BUG FLIP	70766	OH	03/15/2024		MW	IS	810.00
99 00005470	V9903553	CA DEPARTMENT OF JUSTICE	719417	OH	03/15/2024		MW	IS	224.00

**LOWELL JOINT SD**  
**Consolidated Check Register**  
 from 3/1/2024 to 3/31/2024

Check	Payee ID	Payee Name	Reference	Subs	Check Date	Cancel Date	Type	Status	Check Amount
99 00005471	F9900033	GLASBY MAINTENANCE SUPPLY	340614A	OH	03/15/2024		MW	IS	7,892.23
99 00005472	V9903729	GOLD COAST TOURS	425479	OH	03/15/2024		MW	IS	1,199.21
99 00005473	F9900038	ICS SERVICE COMPANY	38519	OH	03/15/2024		MW	IS	256.11
99 00005474	V9900131	NIGRO & NIGRO	19727	OH	03/15/2024		MW	IS	8,063.00
99 00005475	F9900057	SOUTHEAST CONSTRUCTION PRODUCT	2402-043224	OH	03/15/2024		MW	IS	3,786.31
99 00005476	U9900008	T-MOBILE	0204030324	OH	03/15/2024		MW	IS	160.50
99 00005477	F9900069	WALTERS WHOLESALE ELECTRIC	S124925926.001	OH	03/15/2024		MW	IS	1,177.03
99 00005478	N9900016	GAFE PIZZA	FEB2024	OH	03/15/2024		MW	IS	2,583.00
99 00005479	V9903711	JP Pizza Inc	FEB2024	OH	03/15/2024		MW	IS	5,974.50
99 00005480	V9903712	Mar Pizza Inc.	FEB2024	OH	03/15/2024		MW	IS	4,208.50
99 00005481	N9900017	SOCAL4 LLC	FEB2024	OH	03/15/2024		MW	IS	1,018.50
99 00005482	E9900265	Brittany Goss	03082024	OH	03/18/2024		MW	RV	39.65
99 00005483	F9900015	CANNINGS HARDWARE LA HABRA	84265	OH	03/18/2024		MW	IS	32.46
99 00005484	V9900050	CUE	032024-1043	OH	03/18/2024		MW	IS	389.00
99 00005485	V9903718	DIFFERENT ROADS TO LEARNING IN	178088	OH	03/18/2024		MW	IS	988.43
99 00005486	E9900264	Galindo, Marta	03082024	OH	03/18/2024		MW	IS	121.30
99 00005487	E9900221	JENNIFER JACKSON	03122024	OH	03/18/2024		MW	IS	31.36
99 00005488	I9900010	MIJARES, EDWARD	02282024	OH	03/18/2024		MW	IS	1,078.28
99 00005489	V9903412	NATALY BENTON	03112024	OH	03/18/2024		MW	IS	96.63
99 00005490	V9900161	RMH DANCE & PRODUCTIONS	030424L	OH	03/18/2024		MW	IS	3,830.00
99 00005491	V9903261	SOCIAL THINKING	299990	OH	03/18/2024		MW	IS	237.15
99 00005492	V9900180	SPARKLETTES	15734879 031024	OH	03/18/2024		MW	IS	145.88
99 00005493	F9900060	THE SHERWIN-WILLIAMS CO.	5504-0	OH	03/18/2024		MW	IS	241.27
99 00005494	V9903726	Tobii Dynavox	QMII-00077936	OH	03/18/2024		MW	IS	98.20
99 00005495	B9990012	HANCOCK PARK & DELONG INC	7146	OH	03/18/2024		MW	IS	1,750.00
99 00005496	B9990012	HANCOCK PARK & DELONG INC	7147	OH	03/18/2024		MW	IS	218.75
99 00005497	V9900134	OCDE	94TI1486	OH	03/19/2024		MW	IS	41,250.00
99 00005498	V9900154	READYREFRESH BY NESTLE	14C0032621385	OH	03/19/2024		MW	IS	80.46
99 00005499	V9900172	SCHOOL SERVICES OF CALIFORNIA	0141119-IN	OH	03/19/2024		MW	IS	375.00
99 00005500	U9900004	SOUTHERN CALIFORNIA EDISON	0208031024MA	OH	03/19/2024		MW	IS	2,717.43
99 00005501	U9900005	SOUTHERN CALIFORNIA GAS CO	0207030824OL	OH	03/19/2024		MW	IS	548.60
99 00005502	U9900006	SUBURBAN WATER SYSTEMS	180022825329	OH	03/19/2024		MW	IS	1,086.31
99 00005503	V9900200	UNUM LIFE INSURANCE COMPANY	0401063024	OH	03/19/2024		MW	IS	854.82
99 00005504	V9903665	SUBWAY	FEB2024	OH	03/19/2024		MW	IS	3,900.00

**LOWELL JOINT SD**  
**Consolidated Check Register**  
 from 3/1/2024 to 3/31/2024

Check	Payee ID	Payee Name	Reference	Subs	Check Date	Cancel Date	Type	Status	Check Amount
99 00005505	F9900059	THE HOME DEPOT PRO INSTITUTION	791142391	OH	03/20/2024		MW	IS	2,909.70
99 00005506	F9900059	THE HOME DEPOT PRO INSTITUTION	787391986	OH	03/20/2024		MW	IS	70.01
99 00005507	V9900020	ATKINSON ANDELSON LOYA RUUD &	708058-FEB 2024	OH	03/21/2024		MW	IS	1,266.25
99 00005508	F9900007	AUTOZONE	6202452603	OH	03/21/2024		MW	IS	76.94
99 00005509	V9903731	BREA OLINDA UNIFIED SCHOOL DIS	2324AJ290	OH	03/21/2024		MW	IS	104.66
99 00005510	F9900023	DANIELS TIRE SERVICE INC.	140113326	OH	03/21/2024		MW	IS	381.87
99 00005511	V9903420	Granite Telecommunications LLC	04756091	OH	03/21/2024		MW	IS	3,634.99
99 00005512	F9900040	JAMES HARDWARE COMPANY	2402-083006	OH	03/21/2024		MW	IS	137.57
99 00005513	F9900047	LOWES	989630-MLXNUJ	OH	03/21/2024		MW	IS	172.66
99 00005514	V9903421	ARAIZA, ISABEL	03132024	OH	03/22/2024		MW	IS	500.00
99 00005515	E9900030	BRENDA RODRIGUEZ	03132024	OH	03/22/2024		MW	IS	40.00
99 00005516	E9900044	CHRISTIAN MANGOLD	03142024	OH	03/22/2024		MW	IS	63.58
99 00005517	V9903279	LOPEZ, ALEJANDRO	03132024	OH	03/22/2024		MW	IS	500.00
99 00005518	I9900010	MIJARES, EDWARD	03132024	OH	03/22/2024		MW	IS	1,000.00
99 00005519	V9903412	NATALY BENTON	03082024	OH	03/22/2024		MW	IS	324.00
99 00005520	E9900266	Patricia Garcia	02282024	OH	03/22/2024		MW	IS	135.02
99 00005521	R9900016	ANDREA DESMOND	MEDICAL APR	OH	03/25/2024		MW	IS	628.28
99 00005522	R9900001	BRENT ALLSMAN	MEDICAL APR	OH	03/25/2024		MW	IS	708.41
99 00005523	R9903247	CAROLYN KANE	MEDICAL APR	OH	03/25/2024		MW	IS	1,573.82
99 00005524	R9900019	DEBORAH NEEDHAM	MEDICAL APR	OH	03/25/2024		MW	IS	708.41
99 00005525	R9900007	GAYLE ROGERS	MEDICAL APR	OH	03/25/2024		MW	IS	291.15
99 00005526	R9900018	GRACIA HAWORTH	MEDICAL APR	OH	03/25/2024		MW	IS	1,573.82
99 00005527	R9900013	MARGARET DUMADAG	MEDICAL APR	OH	03/25/2024		MW	IS	708.41
99 00005528	R9900010	PENNY MA YERCHECK	MEDICAL APR	OH	03/25/2024		MW	IS	1,573.82
99 00005529	R9900017	REBECCA SMITH	MEDICAL APR	OH	03/25/2024		MW	IS	708.41
99 00005530	R9900011	RONALD RANDOLPH	MEDICAL APR	OH	03/25/2024		MW	IS	739.30
99 00005531	E9900003	ADRIANA PONCE	03112024	OH	03/26/2024		MW	IS	790.36
99 00005532	U9900001	CITY OF LA HABRA WATER DEPARTM	03042024	OH	03/26/2024		MW	IS	581.01
99 00005533	V9903732	Enterprise Holdings, Inc.	35332435	OH	03/26/2024		MW	IS	441.21
99 00005534	E9900074	HOLLY BRANDER	03182024	OH	03/26/2024		MW	IS	168.80
99 00005535	B9990013	HAUFFE COMPANY	506	OH	03/26/2024		MW	IS	18,816.00
99 00005536	U9900004	SOUTHERN CALIFORNIA EDISON	0212031224RS	OH	03/27/2024		MW	IS	4,739.27
99 00005537	U9900005	SOUTHERN CALIFORNIA GAS CO	0215031824MNT	OH	03/27/2024		MW	IS	794.79
99 00005538	S9990001	BEHAVIOR AND EDUCATION INC	7513215	OH	03/28/2024		MW	IS	8,410.00



**LOWELL JOINT SD**  
**Consolidated Check Register**  
 from 3/1/2024 to 3/31/2024

Check	Payee ID	Payee Name	Reference	Subs	Check Date	Cancel Date	Type	Status	Check Amount
99 00005539	V9903290	BUREAU OF EDUCATION & RESEARCH	5163550	OH	03/28/2024		MW	IS	279.00
99 00005540	V9903531	DAVIS, SUMMER	017	OH	03/28/2024		MW	IS	1,512.00
99 00005541	U9900002	FRONTIER	03102024	OH	03/28/2024		MW	IS	32.82
99 00005542	V9900086	ILLUMINATE EDUCATION INC.	INVIE0101850B	OH	03/28/2024		MW	IS	23,842.38
99 00005543	V9900089	IMPEX TECHNOLOGIES	19911	OH	03/28/2024		MW	IS	1,722.05
99 00005544	E9900084	JIM COOMBS	03152024	OH	03/28/2024		MW	IS	165.50
99 00005545	V9900129	NCS PEARSON INC.	25075752	OH	03/28/2024		MW	IS	1,835.65
99 00005546	F9900053	PEST OPTIONS INC.	443041	OH	03/28/2024		MW	IS	290.00
99 00005547	V9900148	QUADIANT FINANCE USA INC.	INV17279650	OH	03/28/2024		MW	IS	245.86
99 00005548	E9900163	RANDI VASQUEZ	031324	OH	03/28/2024		MW	IS	30.45
99 00005549	V9903657	REFRIGERATION SUPPLIES DISTRIB	49359837-00	OH	03/28/2024		MW	IS	564.24
99 00005550	V9903374	SIGLER WHOLESALE DISTRIBUTORS	INV-RND23005230	OH	03/28/2024		MW	IS	225.70
99 00005551	V9903485	TAKACS, LINDA	032224	OH	03/28/2024		MW	IS	96.25
99 00005552	V9900186	TARGET SPECIALTY PRODUCTS	INVP501422977	OH	03/28/2024		MW	IS	204.60
99 00005553	V9900195	THINKING MAPS	INV0068105	OH	03/28/2024		MW	IS	3,856.55
99 00005554	I9900011	TRINIDAD, GINA	LJSD BAND	OH	03/28/2024		MW	IS	1,291.16
99 00005555	F9900064	TURF STAR INC.	3325268-00	OH	03/28/2024		MW	IS	886.31
99 00005556	F9900066	UNITED RENTALS (NORTH AMERICA)	231274495-001	OH	03/28/2024		MW	IS	1,087.70
99 00005557	V9903470	WHITTIER CHRISTIAN HIGH SCHOOL	150275	OH	03/28/2024		MW	IS	5,700.00
99 00005558	V9900008	ADMINISTRATIVE SERV. CO-OP	18140	OH	03/29/2024		MW	IS	53,379.65
99 00005559	F9900011	BEST LAWNMOWER INC.	110108	OH	03/29/2024		MW	IS	806.21
99 00005560	V9900028	BUENA PARK PLAQUE & TROPHY	31813	OH	03/29/2024		MW	IS	12.39
99 00005561	V9903605	COASTLINE TERMITE & PEST CONTR	29804	OH	03/29/2024		MW	IS	495.00
99 00005562	F9900023	DANIELS TIRE SERVICE INC.	140113327	OH	03/29/2024		MW	IS	4,067.09
99 00005563	F9900027	EAST WHITTIER GLASS & MIRROR	19397	OH	03/29/2024		MW	IS	362.00
99 00005564	V9900076	FULLERTON JOINT UNION HS DIST	70T10262	OH	03/29/2024		MW	IS	416.50
99 00005565	V9903673	GOODMAN TREE SERVICE	03252024	OH	03/29/2024		MW	IS	8,900.00
99 00005566	E9900095	KALEO IGARTA	03262024	OH	03/29/2024		MW	IS	124.48
99 00005567	V9900134	OCDE	94T13595	OH	03/29/2024		MW	IS	4,800.00
99 00005568	V9903724	R.W.B. Party Props Inc	55542	OH	03/29/2024		MW	IS	2,527.20
99 00005569	U9900005	SOUTHERN CALIFORNIA GAS CO	0220032024DO	OH	03/29/2024		MW	IS	1,451.17

Issued: 1,938,909.98

**LOWELL JOINT SD**  
**Consolidated Check Register**  
 from 3/1/2024 to 3/31/2024

Check	Payee ID	Payee Name	Reference	Subs Check Date	Cancel Date	Type Status	Check Amount
							Reversed: 39.65
							99 Bank Total: 1,938,949.63
							Grand Total: 1,938,949.63

LOWELL JOINT SCHOOL DISTRICT  
EMPLOYER-EMPLOYEE RELATIONS PERSONNEL REPORT 2023/2024 #10

May 6, 2024

I. CERTIFICATED EMPLOYEE

A. CHANGE OF STATUS

<u>NAME</u>	<u>EFFECTIVE DATE</u>	<u>END DATE</u>	<u>SITE</u>	<u>COMMENTS</u>
Irving, Tamara	04/30/2024	05/12/2024	MA	(AB375) FMLA Medical Leave
Del la Haye, Melissa	02/23/2024	04/04/2024	EP	(AB375) FMLA Maternity Leave
Del la Haye, Melissa	04/05/2024	05/17/2024	EP	(AB375) FMLA Baby Bonding Leave
Mena-Hill, Lydia	04/04/2024	05/16/2024	OL	(AB375) FMLA Maternity Leave
Wilkins, Melissa	04/09/2024	05/30/2024	MG	(AB375) FMLA Baby Bonding Leave
Paine, Jennifer	04/03/2024	04/05/2024	OL	Personal Necessity Leave
Casey, Kaleen	3/27/24	05/22/2024	MA	(AB375) FMLA Maternity Leave 80%

B. EXTRA DUTY PAY/STIPENDS

<u>NAME</u>	<u>EFFECTIVE DATE</u>	<u>END DATE</u>	<u>SITE</u>	<u>COMMENTS</u>
Coleman, Rachel	06/02/2024	06/28/2024	MA	Extended School Year Lead Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays. Plus one Prep Day.
Jan, Sarah	06/02/2024	06/28/2024	MA	Extended School Year Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays. Plus one Prep Day.
Ballard, Nicole	06/02/2024	06/28/2024	MA	Extended School Year Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays. Plus one Prep Day
Ortiz, Andrea	06/02/2024	06/28/2024	MA	Extended School Year Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays. Plus one Prep Day
Farrens, Sylvia	06/02/2024	06/28/2024	MA	Extended School Year SLP Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays. Plus one Prep Day
Fonti, Allison	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Peloquin, Karen	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Daniel, Kari	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days

				(Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Martinez, Paula	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Morrison, Deanna	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Mangold, Leslie	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Mangold, Christian	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Bernhard, Carol	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Roberston, Vickie	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Diaz, Yolanda	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Bohen, Michelle	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Toice, Susie	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Van Diest, Scott	06/02/2024	06/28/2024	MA	Power Source Summer Camp Teacher- at a rate of \$352.18 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Champion, Becky	06/02/2024	06/28/2024	MA	Power Source Summer Camp Supervisor- at a rate of \$561.08 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Rodriguez, Mayra	06/02/2024	06/28/2024	MA	Power Source Summer Camp Supervisor- at a rate of \$561.08 per day for 19 days (Juneteenth Holiday). Mondays – Fridays Plus 1 day of prep.
Castillo, Barbara	07/16/2024	08/02/2024	EP	Power Up Supervisor – at a rate not to exceed \$561.08. Two days training Power Up at the district office on July 11th & July 12 <sup>th</sup> and Power Up Session July 19th - August 2 <sup>nd</sup> . 11 program days and 1 day of prep
Gonzalez, Leslie	07/16/2024	08/02/2024	EP	To be paid two days training Power Up Summer teaching assignment at the district office on July 16th & July 17th. Power Up Summer teaching assignment is July 19th - August 2nd from 8:00 a.m. - 1:00 p.m. at El Portal at the rate of \$50.00/hour Total Hours:

Gunsalus, Lecia	07/16/2024	08/02/2024	EP	70 (two training days included) Not to exceed: \$3,500.00 To be paid two days training Power Up Summer teaching assignment at the district office on July 16th & July 17th. Power Up Summer teaching assignment is July 19th - August 2nd from 8:00 a.m. - 1:00 p.m. at El Portal at the rate of \$50.00/hour Total Hours: 70 (two training days included) Not to exceed: \$3,500.00
Jeffrey, Kim	07/16/2024	08/02/2024	EP	To be paid two days training Power Up Summer teaching assignment at the district office on July 16th & July 17th. Power Up Summer teaching assignment is July 19th - August 2nd from 8:00 a.m. - 1:00 p.m. at El Portal at the rate of \$50.00/hour Total Hours: 70 (two training days included) Not to exceed: \$3,500.00
Valdez, Michelle	07/16/2024	08/02/2024	EP	To be paid two days training Power Up Summer teaching assignment at the district office on July 16th & July 17th. Power Up Summer teaching assignment is July 19th - August 2nd from 8:00 a.m. - 1:00 p.m. at El Portal at the rate of \$50.00/hour Total Hours: 70 (two training days included) Not to exceed: \$3,500.00
Castillo, Barbara	06/03/2024	06/28/2024	DO	Stipend for 10 days not to exceed \$3,750 for Professional Development and Planning. To be paid from ESSERIII Funds
Champion, Becky	06/03/2024	06/28/2024	DO	Stipend for 10 days not to exceed \$3,750 for Professional Development and Planning. To be paid from ESSERIII Funds
Brander, Holly	06/03/2024	06/28/2024	DO	Stipend for 10 days not to exceed \$3,750 for Professional Development and Planning. To be paid from ESSERIII Funds
Anderson, Ryan	06/03/2024	06/28/2024	MA	Summer School Camp Substitute Teacher- at a rate of \$200.00 per day
Coleman, Rachel				Summer School Camp Substitute Teacher- at a rate of \$200.00 per day
Coleman, Rachel	06/03/2024	06/28/2024	MA	Extended School Year Substitute Teacher- at a rate of \$200.00 per day
Arreguin, Barbara	06/03/2024	06/28/2024	MA	Extended School Year Substitute Teacher- at a rate of \$200.00 per day
Cacioppo, Bianca	06/03/2024	06/28/2024	MA	Extended School Year Substitute Teacher- at a rate of \$200.00 per day

C. RESIGNATION

NAME	EFFECTIVE DATE	SITE	COMMENT
Lester, Jasmine	05/31/2024	OL	Special Education Teacher

\* \* It is further recommended that these individuals be approved for substitute teaching at the rate of \$200.00 per day and/or \$50.00 an hour rate (not to exceed six hours) as applicable and to include: Professional Development, Saturday School, Site Support Duties, Intervention, and PowerSource, Power Up, ESY

\*\*It is further recommended that the individuals listed in Certificated Salaries for 2023-2024 is approved to instruct in the Intervention Programs. The rate of pay is \$50.00/hour and will be paid from Title I or LCFF Supplemental Grant Funds.

\*\*It is further recommended that individuals listed in Certificated Salaries for 2023-2024 serve as home school teachers, if needed, for the 2023-2024 school year at a rate of \$50.00/hour, not to exceed five hours per week, per student. Mileage will be paid at the IRS Standard Mileage Rate for the 2023-2024 school year.

D. Employment of substitutes effective 07/01/2023 for the 2023-2024 school year @ \$200 per day and \$100.00 per half day rate, \$250.00 long term sub rate, and \$50.00 per hour\* (not to exceed six hours) as applicable and to include: professional development, Saturday school, site support duties, Saturday School

Beltran, Mariah                      Marshall, Jeanne                      Emsais, Brenda                      Wilch, Natalie                      Pilkington, Marina  
 Picco, Jaci

E. SUBSTITUTE CHANGE OF PAY

NAME	EFFECTIVE DATE	END DATE	SITE	COMMENT
Mgrdichian, Jennifer	04/22/2024	05/17/2024	DO	To be paid daily long term rate of \$250 for RSP teacher at El Portal Elementary
Mohler, Megan	04/09/2024	05/30/2024	DO	To be paid daily long term rate of \$250 for 4 <sup>th</sup> grade teacher at Meadow Green Elementary
Barcnas, DeeJay	04/30/2024	05/12/2024	DO	To be paid daily rate of \$200 for English Teacher at Rancho Starbuck
Vega, Sandra	04/04/2024	05/16/2024	DO	To be paid daily long term rate of \$250 for RSP teacher at Olita Elementary
Shupe, Violetta	04/03/2024	04/05/2024	DO	To be paid daily rate of \$200 for 6 <sup>th</sup> grade teacher at Olita Elementary
Seleznoff, Tamara	3/27/2024	05/22/2024	DO	To be paid long term daily rate of \$250 for 2 <sup>nd</sup> grade teacher 80% Macy Elementary
Montemayor, Kathleen	06/03/2024	06/28/2024	DO	Extended School Year Substitute Teacher- at a rate of \$200.00 per day
McCoy, Stacey	06/03/2024	06/28/2024	DO	Extended School Year Substitute Teacher- at a rate of \$200.00 per day
Carr, Candice	06/03/2024	06/28/2024	DO	Extended School Year Substitute Teacher- at a rate of \$200.00 per day
De Bruijn, Lisa	06/03/2024	06/28/2024	DO	Extended School Year Substitute Teacher- at a rate of \$200.00 per day
Montemayor, Kathleen	06/03/2024	06/28/2024	DO	Summer Camp School Substitute Teacher- at a rate of \$200.00 per day
McCoy, Stacey	06/03/2024	06/28/2024	DO	Summer Camp School Substitute Teacher- at a rate of \$200.00 per day
Carr, Candice	06/03/2024	06/28/2024	DO	Summer Camp School Substitute Teacher- at a rate of \$200.00 per day
De Bruijn, Lisa	06/03/2024	06/28/2024	DO	Summer Camp School Substitute Teacher- at a rate of \$200.00 per day
Crabtree, Gail	06/02/2024	06/28/2024	DO	Extended School Year Teacher- at a rate of \$250.00 per day for 19 days (Juneteenth Holiday). Mondays – Fridays. Plus one Prep Day
Montemayor, Kathleen	07/16/2024	08/02/2024	DO	To be paid two days training Power Up Summer teaching assignment at the district office on July 16th & July 17th. Power Up Summer teaching assignment is July 19th - August 2nd from 8:00 a.m. - 1:00 p.m. at El Portal at the rate of \$50.00/hour Total Hours: 70 (two training days included) Not to exceed: \$3,500.00

Mohler, Megan	07/16/2024	08/02/2024	DO	To be paid two days training Power Up Summer teaching assignment at the district office on July 16th & July 17th. Power Up Summer teaching assignment is July 19th - August 2nd from 8:00 a.m. - 1:00 p.m. at El Portal at the rate of \$50.00/hour Total Hours: 70 (two training days included) Not to exceed: \$3,500.00
Corea, Jose	07/16/2024	08/02/2024	DO	To be paid two days training Power Up Summer teaching assignment at the district office on July 16th & July 17th. Power Up Summer teaching assignment is July 19th - August 2nd from 8:00 a.m. - 1:00 p.m. at El Portal at the rate of \$50.00/hour Total Hours: 70 (two training days included) Not to exceed: \$3,500.00

II. CLASSIFIED EMPLOYEES May 6, 2023

A. MONTHLY – GENERAL FUND

B. HOURLY – GENERAL FUND

<u>NAME/ EMPLOYEE ID#</u>	<u>EFFECTIVE DATE</u>	<u>END DATE</u>	<u>RANGE/ STEP</u>	<u>SITE</u>	<u>COMMENTS</u>
Alarid, Emily	5/1/24		R07/S07	NS	Step Increase: Cafeteria Worker
Bennett, David			CL MGNT	DO	Longevity: 5 years \$4,000.00/annually
Briones, Johana	5/3/24			DO	Resignation: Substitute Instructional Aide
Coelho, Julie	9/5/23		R18/S03	DO	Correction: Promotion from ELOP Site Supervisor Coordinator to Special Programs Clerk
Coelho, Julie	11/10/23			DO	Correction: Resignation from Special Programs Clerk
Coelho, Julie	11/11/23			DO	Correction: From Special Programs Clerk to Substitute Instructional Aide
Goodenow, Arlene	5/1/24		R07/S07	NS	Step Increase: Cafeteria Worker
Gonzalez, Maria	5/19/24		R14/S06	OL	Step Increase: Bilingual Instructional Aide
Marin, Luis	5/1/24		CLMG R10/S08	M&O	Step Increase: M&O Supervisor
Montanez, Laurie	5/1/24		R15/S06	OL	Step Increase: Instructional Aide
Rickenbacker, Kim	4/16/24		R23/S06	EP	Step Increase Correction from previous EER Error: From R26/S06 to R23/S06
Salo, Marinna	4/18/24			DO	Additional Assignment: Substitute Office Manager
Vega, Eddy	4/25/24			DO	New Hire: Substitute Noon Duty Aide
Yzabel, Maria	3/13/24			DO	New Hire: Substitute Noon Duty Aide
Yzabel, Maria	3/13/24			DO	Additional Assignments: Substitute Instructional Aide

Effective July 1, 2023, employees shall receive an 11.0% increase to their base salary earnings (excluding stipends and other remuneration).  
 Effective January 1, 2024, minimum wage is \$16 per hour

RANGE	PERFORMANCE RECOGNITION INCREASES							
	1	2	3	4	5	6	7	8
1	2,930 (16.65)	2,930 (16.65)	2,930 (16.65)	2,930 (16.65)	2,930 (16.65)	3,302 (18.75)	3,467 (19.69)	3,644 (20.70)
2	2,930 (16.65)	2,930 (16.65)	2,930 (16.65)	2,930 (16.65)	3,221 (18.30)	3,382 (19.24)	3,563 (20.25)	3,740 (21.25)
3	2,930 (16.65)	2,930 (16.65)	2,930 (16.65)	2,930 (16.65)	3,302 (18.75)	3,467 (19.69)	3,644 (20.70)	3,838 (21.81)
4	2,930 (16.65)	2,930 (16.65)	2,930 (16.65)	2,930 (16.65)	3,382 (20.25)	3,563 (19.24)	3,740 (21.25)	3,925 (22.28)
5	2,930 (16.65)	2,930 (16.65)	2,930 (16.65)	2,930 (16.65)	3,467 (19.69)	3,644 (20.70)	3,838 (21.81)	4,027 (22.89)
6	2,930 (16.65)	2,930 (16.65)	3,221 (18.30)	3,382 (19.24)	3,563 (20.25)	3,740 (21.25)	3,925 (22.28)	4,118 (23.39)
7	2,930 (16.65)	2,930 (16.65)	3,302 (18.75)	3,467 (19.69)	3,644 (20.70)	3,838 (21.81)	4,027 (22.89)	4,211 (23.94)
8	2,930 (16.65)	3,221 (18.30)	3,382 (19.24)	3,563 (20.25)	3,740 (21.25)	3,925 (22.28)	4,118 (23.39)	4,323 (24.58)
9	2,930 (16.65)	3,302 (18.75)	3,467 (19.69)	3,644 (20.70)	3,838 (21.81)	4,027 (22.89)	4,211 (23.94)	4,437 (25.16)
10	3,221 (18.30)	3,382 (19.24)	3,563 (20.25)	3,740 (21.25)	3,925 (22.28)	4,118 (23.39)	4,323 (24.58)	4,545 (25.82)
11	3,302 (18.75)	3,467 (19.69)	3,644 (20.70)	3,838 (21.81)	4,027 (22.89)	4,211 (23.94)	4,437 (25.16)	4,663 (26.50)
12	3,382 (19.24)	3,563 (20.25)	3,740 (21.25)	3,925 (22.28)	4,118 (23.39)	4,323 (24.58)	4,545 (25.82)	4,770 (27.10)
13	3,467 (19.69)	3,644 (20.70)	3,838 (21.81)	4,027 (22.89)	4,211 (23.94)	4,437 (25.16)	4,663 (26.50)	4,897 (27.79)
14	3,563 (20.25)	3,740 (21.25)	3,925 (22.28)	4,118 (23.39)	4,323 (24.58)	4,545 (25.82)	4,770 (27.10)	5,021 (28.48)
15	3,644 (20.70)	3,838 (21.81)	4,027 (22.89)	4,211 (23.94)	4,437 (25.16)	4,663 (26.50)	4,897 (27.79)	5,154 (29.29)
16	3,740 (21.25)	3,925 (22.28)	4,118 (23.39)	4,323 (24.58)	4,545 (25.82)	4,770 (27.10)	5,021 (28.48)	5,280 (30.01)
17	3,838 (21.81)	4,027 (22.89)	4,211 (23.94)	4,437 (25.16)	4,663 (26.50)	4,897 (27.79)	5,154 (29.29)	5,413 (30.75)
18	3,925 (22.28)	4,118 (23.39)	4,323 (24.58)	4,545 (25.82)	4,770 (27.10)	5,021 (28.48)	5,280 (30.01)	5,546 (31.50)
19	4,027 (22.89)	4,211 (23.94)	4,437 (25.16)	4,663 (26.50)	4,897 (27.79)	5,154 (29.29)	5,413 (30.75)	5,687 (32.32)
20	4,118 (23.39)	4,323 (24.58)	4,545 (25.82)	4,770 (27.10)	5,021 (28.48)	5,280 (30.01)	5,546 (31.50)	5,839 (33.16)
21	4,211 (23.94)	4,437 (25.16)	4,663 (26.50)	4,897 (27.79)	5,154 (29.29)	5,413 (30.75)	5,687 (32.32)	5,968 (33.90)
22	4,323 (24.58)	4,545 (25.82)	4,770 (27.10)	5,021 (28.48)	5,280 (30.01)	5,546 (31.50)	5,839 (33.16)	6,119 (34.79)
23	4,437 (25.16)	4,663 (26.50)	4,897 (27.79)	5,154 (29.29)	5,413 (30.75)	5,687 (32.32)	5,968 (33.90)	6,275 (35.65)
24	4,545 (25.82)	4,770 (27.10)	5,021 (28.48)	5,280 (30.01)	5,546 (31.50)	5,839 (33.16)	6,119 (34.79)	6,425 (36.49)
25	4,663 (26.50)	4,897 (27.79)	5,154 (29.29)	5,413 (30.75)	5,687 (32.32)	5,968 (33.90)	6,275 (35.65)	6,597 (37.45)
26	4,770 (27.10)	5,021 (28.48)	5,280 (30.01)	5,546 (31.50)	5,839 (33.16)	6,119 (34.79)	6,425 (36.49)	6,758 (38.38)
27	4,897 (27.79)	5,154 (29.29)	5,413 (30.75)	5,687 (32.32)	5,968 (33.90)	6,275 (35.65)	6,597 (37.45)	6,939 (39.39)
28	5,021 (28.48)	5,280 (30.01)	5,546 (31.50)	5,839 (33.16)	6,119 (34.79)	6,425 (36.49)	6,758 (38.38)	7,097 (40.33)
29	5,154 (29.29)	5,413 (30.75)	5,687 (32.32)	5,968 (33.90)	6,275 (35.65)	6,597 (37.45)	6,939 (39.39)	7,284 (41.36)
30	5,280 (30.01)	5,546 (31.50)	5,839 (33.16)	6,119 (34.79)	6,425 (36.49)	6,758 (38.38)	7,097 (40.33)	7,454 (42.35)

Handwritten initials and date: *AV* 4/10/24