



ORANGE UNIFIED SCHOOL DISTRICT

Measure S Bond Program

December 2017 Monthly Progress Report



PERIOD COVERED:

December 1 - 31, 2017

FISCAL YEAR

FY 2017-2018

PROGRESS REPORT NO.

PR-065-1718-006

PREPARED BY:

CUMMING
Building Value Through Expertise



TABLE OF CONTENTS

- 1.0 Executive Summary**
 - 1.1 Program Summary
 - 1.2 Program Highlights/Key Milestones
 - 1.3 Look Ahead (next 90 days)

- 2.0 Project Status Report**

- 3.0 Financial Report**

- 4.0 Program Schedule**



1.0 SUMMARY

1.1 Program Summary

During the Winter Break 2017, the District’s Maintenance & Operations Department completed the demolition of the Orange High School Portable Buildings T-20, 21, 22, 23 & 24. This work also represents the first physical work for the Bond Program. The Measure S Designs continue and Orange High School, El Modena High School and Villa Park High School is approximately 60% complete while the Canyon High School design is approximately 40% complete. The project designs for each project are available for review at the Bond Website, <https://www.orangeusd.org/measureS/>

1.2 Program Highlights/Key Milestones

December 7 Approved Board Agenda Items

- Program Wide Low Voltage & Security System Consultant Services with Lionakis
- Canyon High School Additional Design Services for Food Service Facility with gkkworks
- Orange High School Environmental & Hazardous Materials Consultant Services with Environmental Consulting Services
- (Information Item) Orange High School Design Development Presentation by Lionakis

Program Wide Financial & Document Controls System

- On 12/15, the Program Wide Financial & Document Controls System was successfully launched and is currently in use by the Construction Managers and Architects.

Program Wide Low Voltage & Security System

- On 12/7, the Board approved the award of Program Wide Low Voltage & Security System Consultant Services with Lionakis.
- The Standard Specifications for the Low Voltage and Security Systems will be finalized and completed upon approval of the award of the Program Wide Security Consultant agreement, anticipated at the 2/15 Board Meeting.

Program Wide Standard Specifications

- On 12/20, the Program Manager issued the Draft General Conditions, General Requirements and Supplemental Conditions for review and comment by the Architects and Construction Managers.
- Each project Architect is currently incorporating the Program Wide Standard Specifications into their respective projects.
- On 11/10, the Program Issued the new Program Wide Standard Specifications to each of the project Architects.



Program Wide Commissioning Services

- The Program Manager and Project Architects are completing the Commissioning Agent’s Questionnaire for completion of the Owner’s Program Requirements (OPR).
- On 12/7, the Kick-Off Meeting was completed with the Commissioning Agent, P2S Engineering, and the Program Manager.

Program Wide Owner’s Controlled Insurance Program (OCIP) Services

- The District is investigating and evaluating the merits of an OCIP program and is conducting business outreach to assess the capabilities of prospective firms.
- The District is planning to issue a Request for Proposal in January. A comparative analysis will be completed by review of OCIP proposals to determine whether OCIP insurance services would be more beneficial to the District than traditional contractor provided insurance.

Program Wide California Environmental Quality Act (CEQA) Consultant Services

- On 12/11, 12/6, 12/4, and 11/30 CEQA Scoping Meetings were completed for Orange High School, Canyon High School, Villa Park High School and El Modena High School with their respective Architect, Construction Manager and CEQA Consultant.
- The District’s CEQA Consultants are preparing CEQA compliance reports for a Notice of Exemption at El Modena High School and Mitigated Negative Declarations at Canyon High School, Orange High School and Villa Park High School.
- Work is currently in progress and ongoing.

Program Wide Environmental & Hazardous Materials Consultant Services

- On 12/22, the Program Manager issued a recommendation to award 6 “bench” contracts for review and approval during the January 18th Board Meeting.
- On 12/13, the District received 15 submittals from the prospective Environmental & Hazardous Materials Consultant Services firms.

Program Wide DSA Inspection Services

- The District is preparing Board Agenda items to request approval to award 6 “bench” contracts during the January 18th Board Meeting.
- On 11/3, the District received 16 submittals from the prospective DSA Inspection Services firms.

Program Wide DSA Laboratory & Geo-Technical Services

- The District is preparing Board Agenda items to request approval to award 5 “bench” contracts during the January 18th Board Meeting.
- On 11/3, the District received 14 submittals from the prospective DSA Laboratory & Geo-Technical Services firms.

Villa Park High School Interim Housing Facilities

- On 12/15, the Architect submitted the 100% Design to DSA.
- Construction is scheduled to start in September 2018 and includes site infrastructure upgrades.



Canyon High School Interim Housing Facilities

- The Architect and Construction Manager have revised the original plan for 3 Design Packages into 1 Design Package with Interim Housing to be completed with the STEM Building and site infrastructure. This revision is estimated to save the District approximately \$1 million because interim housing would no longer be required for Canyon High School Administration.
- Construction is scheduled to start in May 2019 and includes food services, site infrastructure upgrades and the STEM Building.

Orange High School Interim Housing Facilities

- The District’s Maintenance & Operations Department completed the demolition of the Orange High School Portable Buildings T-20, 21, 22, 23 & 24 during the Winter Break 2017. This work also represents the first physical work for the Bond Program.
- Construction is scheduled to start in June 2018 and includes the Relocatable Building Move, utility infrastructure and the Bus Drop-off.
- The original design at Orange High School included plans for the installation of a modular building to replace the existing “snack bar” during the summer of 2018. As the design progressed with the modular building manufacturer, costs for purchase and installation of the modular building approached the cost of conventional construction. The primary reason for the cost increase is the standard modular building design requires significant modifications to meet the needs of the food service program. As such, the design team, construction manager, and program manager along with the food service department and school site have been evaluating the issue and looking at possible alternatives to a modular building, which includes utilization of a conventionally constructed building. A recommended course of action is being finalized; a design revision is expected to be presented to the Board of Trustees on January 18th for consideration/approval.

Citizens’ Oversight Committee (COC)

- The next COC meeting is scheduled for 1/24/18.
- The COC is scheduled to review By-Laws and the FY 2016/17 Financial Audit.
- On 9/6, COC Meeting #2 was completed and the District, Program Manager and District Staff updated the COC on program progress. The District and Program Manager presented the Measure S Program Highlights, the Preliminary Project Schedule, the Cash Flow Projects and the Draft August 2017 Report.

Contractor & Subcontractor Pre-Qualification Application / Contractor Outreach

- The District has prepared a Resolution Adopting Prequalification Process for Contractors for the Board’s review and approval at the January 18th Board Meeting.
- The District and the Program Manager have drafted the pre-qualification application with the District’s Counsel to pre-qualify General Contractors and Mechanical, Electrical and Plumbing Subcontractors.
- The District and the Program Manager have advertised the legal notice starting January 17th.



Program Wide Cash Flow Projection / Bond Issuance

- On 12/26 (no expenditures were issued during the Winter Break), the Program Manager issued an Update of the 6/21/17 Cash Flow Projection with actual expenditures through 12/31.
- Based upon current market conditions and the 12/31/17, 10/31/17 and 6/21/17 Cash Flow Projections, it appears that selling Bonds before September 2018 would not be cost effective.

Program Management Plan

- The Program Manager is preparing a detailed implementation plan touching on each of the items above and explaining how the Measure S Program will fulfill the Designs approved by the Board on 4/13, 5/11, 5/25 and 6/8.
- The Implementation Plan will include Master Budget, Master Schedule and the Construction Management Programs to be issued by each campus Construction Manager.
- The Program Management Plan will also include the following procedures, which have been issued and are currently in use:
 - On-Site Badges
 - Architect Invoices
 - PM & CM Invoices
 - Change Order Procedure
 - Contractor Invoices
 - Budget Establishment
 - Informal Bidding
 - Quality Assurance & Quality Control Process
 - Purchase Order Request
 - Allowance Request
 - Communications Protocol

1.3 Look Ahead (next 90 days)

- Continue Design Phase for each High School
- Complete El Modena High School, Villa Park High School and Canyon High School Design Development Board Meeting Presentations
- Issue Draft Program Management Plan
- Receive DSA Approval for the Orange High School Interim Housing Design
- Receive DSA Approval for the Villa Park High School Interim Housing Design
- Complete Citizens’ Oversight Committee (COC) Meeting #3 on January 24th
- Continue Services with Program Wide Commissioning Firm
- Continue Services with Program Wide California Environmental Quality Act (CEQA) Firms
- Conduct Program-Wide Team Meeting #2
- Hold Program Open House
- Begin Review of Contractor Prequalification Applications and Contractor Outreach
- Recommendation / Solution for Orange High School Satellite Kitchen
- Issue Contracts for
 - a) Program Wide DSA Inspection Services
 - b) Program Wide DSA Laboratory of Record & Geo-Technical Services
 - c) Program Wide Environmental & Hazardous Materials Consultant Services
 - d) Canyon High School Interim Housing Building Piggyback Contract
 - e) Villa Park High School Interim Housing Building Piggyback Contract



- **Board Agenda Items Look Ahead** (*All items are tentative until agenda is finalized*)

January 8 Proposed Board Agenda Items

- Orange High School Additional Surveying and Mapping Services for the existing path of travel as required by Division of State Architect (DSA) with Penco Engineering
- Measure S Bond Program Update (Information Item)

January 18 Proposed Board Agenda Items

- Program Wide DSA Inspection Services
- Program Wide DSA Laboratory of Record & Geo-Technical Services
- Program Wide Environmental & Hazardous Materials Consultant Services
- Resolution Adopting Prequalification Process for Contractors
- Orange High School Architectural Design Services Revision for Satellite Kitchen (Snack Bar)
- Canyon High School Interim Housing Building Piggyback Contract
- Villa Park High School Interim Housing Building Piggyback Contract
- El Modena High School Design Development Presentation by HED (Information Item)
- Villa Park High School Design Development Presentation by LPA (Information Item)

February 15 Proposed Board Agenda Items

- Orange High School Food Service Building Piggyback Contract
- Program Wide Security Consultant
- Canyon High School Design Development Presentation by gkkworks (Information Item)
- Measure S Bond Program Update (Information Item)

March 8 Proposed Board Agenda Items

- Measure S Bond Program Update (Information Item)



2.0 PROJECT STATUS REPORT



Canyon High School
New STEM Building





CANYON HS SCIENCE CENTER

- | | |
|---|---|
| <ul style="list-style-type: none"> • 12 Laboratory Rooms • 12 General Classrooms • Student Services • New Food Services | <ul style="list-style-type: none"> • New Multi-Purpose Room Entry • Parking Lot Improvements • Infrastructure Upgrade and Improvements • Landscape Improvements |
|---|---|

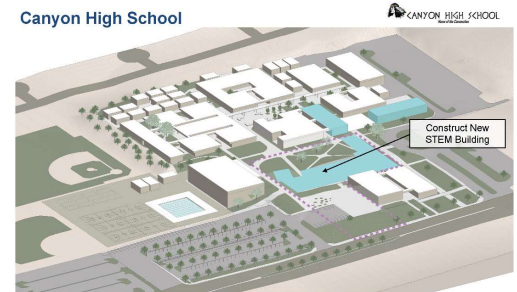
Project Update:

- The Architect has completed the Design Development phase and submitted the 100% Design Development Package to the District on 12/22.
- (12/6, 10/25, 10/11, 9/27, 9/13 & 8/30) – The District, Program Manager, Architect & Construction met to review the design progress, constructability and value engineering issues.
- (12/22) – The Design Team has restructured the Construction Bid Packages to include the relocation of Food Services into a temporary building rather than moving administration to a temporary building. This restructuring will reduce the cost by \$1M since Interim Housing will no longer be necessary for administration, who will remain in their current location until after completion of the STEM Building.
- (11/3) – The Design Development Presentation by the Architect to the Board and the public is scheduled for the February 15th Board Meeting.

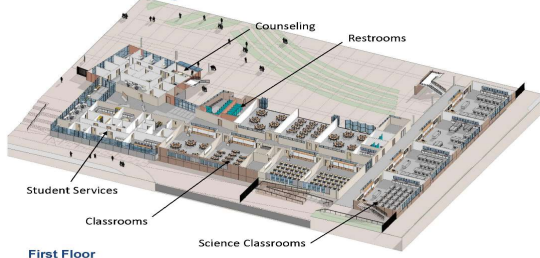
Canyon High School
New STEM Building



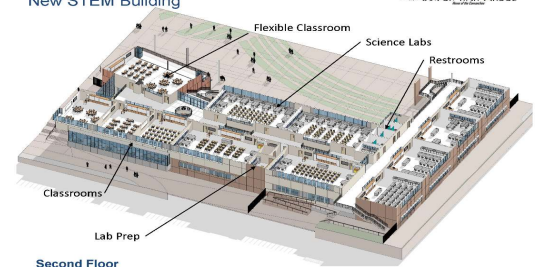
Canyon High School



Canyon High School
New STEM Building



Canyon High School
New STEM Building





EL MODENA HS SCIENCE CENTER

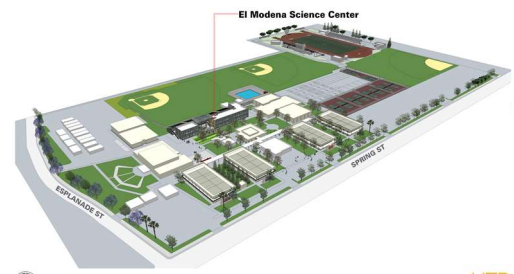
- 12 Laboratory Rooms
- 1 General Classrooms
- 2 Medically Fragile Classrooms
- Relocation of Campus MDF
- Technology & Utility Upgrade
- Landscape Improvements

Project Update:

- The Architect continues preparing the 100% Construction Documents and is scheduled for submittal to DSA on 1/15/18. The District continues review of the 50% Construction Document package that was submitted to the District on 12/8.
- (12/22) – The added Topography Survey Services as needed by the Architect have been completed.
- (12/8) – The Architect submitted the 50% Construction Document package to the District on 12/8.
- (11/30, 11/1, 10/18, 10/4, 9/20 & 8/23) – The District, Program Manager, Architect & Construction met to review the design progress, constructability and value engineering issues.
- (11/3) – The Design Development Presentation by the Architect to the Board and the public is scheduled for the January 18th Board Meeting.



EL MODENA SCIENCE CENTER Overall View HED 05.11.2017



EL MODENA SCIENCE CENTER Site Aerial Diagram HED 05.11.2017



EL MODENA SCIENCE CENTER First Floor Plan HED 05.11.2017



EL MODENA SCIENCE CENTER Second Floor Plan HED 05.11.2017





ORANGE HS SCIENCE CENTER

- | | |
|---|--|
| <ul style="list-style-type: none"> • 12 Laboratory Rooms • 1 General Classrooms • 2 Medically Fragile Classrooms | <ul style="list-style-type: none"> • New Panther Pavilion Plaza • Relocation (5) and Demolition (4) of portable classroom buildings • Site Utility & Infrastructure Upgrade |
|---|--|

Project Update:

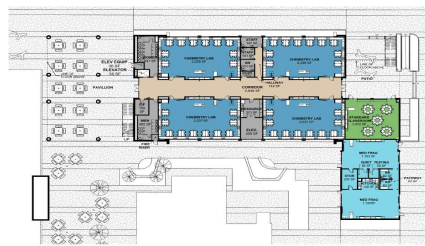
- The Architect continues preparing the 100% Construction Documents. The 100% Construction Documents for DSA Submittal Package #2 is scheduled for submittal to DSA on 1/15/18.
- (12/22) – Review of the Snack Bar proposal from the Portable Building Manufacturer has initiated further review in the construction strategy because the proposed cost of the modular building is approaching the cost of conventional construction. If the cost of the modular building is considered prohibitive, the Snack Bar will be designed and constructed with the STEM Building.
- (12/7) – The Architect completed the Design Development Presentation to the Board and the public during the December 12th Board Meeting.
- (12/7) – The Architect estimates construction savings at \$945,000 for Elimination of the Exterior Deck at \$50,000; Reducing the Building Length at \$500,000; Simplified Steel Framing and \$95,000; Removed Metal Screen at \$150,000; Reduced Brick Veneer at \$54,000 and Revised Concrete Paving at \$96,000.
- (11/27, 11/13, 10/30, 10/16, 10/3, 9/18 & 8/28) – The District, Program Manager, Architect & Construction meet to review the design progress, constructability and value engineering issues.
- (11/3) – The Architect issued their 100% Design Development submittal, which has been reviewed by the District and Program Manager.
- (10/24) – The Architect submitted the 100% Construction Documents for Interim Housing to DSA for review and approval (DSA Application #04-116673).



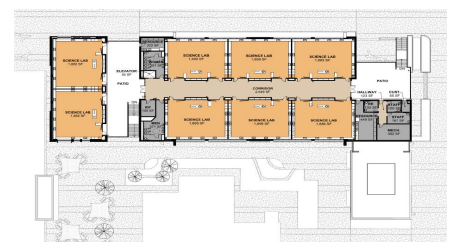
Orange High School Science Center



Orange High School Science Center



Science Center Ground Floor Plan



Science Center Second Floor Plan



VILLA PARK HS SCIENCE CENTER

- | | |
|---|---|
| <ul style="list-style-type: none"> • 12 Laboratory Rooms • 2 General Classrooms • 2 Medically Fragile Classrooms | <ul style="list-style-type: none"> • Demolish existing building 300 • Install 10 New Portable Buildings |
|---|---|

Project Update:

- The Architect continues preparing the 100% Construction Documents. The 100% Construction Documents for DSA Submittal Package #2 is scheduled for submittal to DSA on 2/15/18 (estimated).
- (12/5) – The Architect submitted the 100% Design for DSA Submittal Package #1 Interim Housing to DSA for review and approval (DSA Application #04-116788).
- (12/4, 11/27, 11/6, 10/23, 10/9, 9/25 & 9/11) – The District, Program Manager, Architect & Construction met to review the design progress, constructability and value engineering issues.
- (12/7) – The Design Development Presentation by the Architect to the Board and the public has been scheduled for the January 18th Board Meeting.



3.0 Financial Report



Measure S Bond Program
Budget vs Actuals - Program Summary, By Budget Category
Project Budget Estimate - Schematic Design Phase

Monthly Progress Report December 2017

QSS Data thru 12/31/17

| | "A" | "B" | "C" | "D = A-B-C" |
|--|----------------------|--------------------|--------------------------------|----------------------|
| | Estimated Cost | Expended | Committed Balance / Encumbered | Balance |
| Allocated Funds | | | | |
| 1. Design Cost | \$9,605,657 | \$3,848,459 | \$5,757,197 | \$0 |
| 2. Construction Cost | \$134,410,138 | \$1,216 | \$61,562 | \$134,347,360 |
| 3. Program and Construction Management | \$12,706,689 | \$1,167,358 | \$7,924,266 | \$3,615,065 |
| * 4. Construction Support Costs | \$22,558,276 | \$550,553 | \$370,438 | \$21,637,286 |
| 5. Contingency (Escalation,Construction,Project) | \$28,564,640 | \$0 | \$0 | \$28,564,640 |
| | \$207,845,399 | \$5,567,585 | \$14,113,463 | \$188,164,350 |
| Unallocated Funds | | | | |
| 1. Unallocated Bond Funds | \$80,154,601 | \$0 | \$0 | \$80,154,601 |
| | \$80,154,601 | \$0 | \$0 | \$80,154,601 |
| Total Bond Program | \$288,000,000 | \$5,567,585 | \$14,113,463 | \$268,318,951 |

** See Attachment for Details



Measure S Bond Program
Budget vs Actuals - Program Summary, By School w/ Budget Category
Project Budget Estimate - Schematic Design Phase

Monthly Progress Report December 2017

QSS Data thru 12/31/17

| | "A" Estimated Cost | "B" Expended | "C" Committed Balance / Encumbered | "D = A-B-C" Balance |
|--|-----------------------|--------------------|---|------------------------|
| Canyon High School | | | | |
| 390-9520 Canyon HS Science Center | | | | |
| 1. Design Cost | \$3,211,555 | \$933,058 | \$2,278,497 | \$0 |
| 2. Construction Cost | \$45,638,681 | \$0 | \$0 | \$45,638,681 |
| 3. Program and Construction Management | \$4,240,089 | \$352,983 | \$2,677,918 | \$1,209,188 |
| * 4. Construction Support Costs | \$7,763,141 | \$64,960 | \$121,262 | \$7,576,919 |
| 5. Contingency (Escalation,Construction,Project) | \$8,646,534 | \$0 | \$0 | \$8,646,534 |
| | \$69,500,000 | \$1,351,001 | \$5,077,677 | \$63,071,322 |
| 390-TBD Canyon HS Unallocated Funds | | | | |
| 1. Unallocated Bond Funds | \$2,500,000 | \$0 | \$0 | \$2,500,000 |
| | \$2,500,000 | \$0 | \$0 | \$2,500,000 |
| Canyon High School | \$72,000,000 | \$1,351,001 | \$5,077,677 | \$65,571,322 |

El Modena High School

| | | | | |
|--|---------------------|--------------------|--------------------|---------------------|
| 391-9520 El Modena HS Science Center | | | | |
| 1. Design Cost | \$1,942,769 | \$1,017,808 | \$924,961 | \$0 |
| 2. Construction Cost | \$27,866,000 | \$0 | \$0 | \$27,866,000 |
| 3. Program and Construction Management | \$2,788,026 | \$323,130 | \$1,764,744 | \$700,152 |
| * 4. Construction Support Costs | \$4,670,342 | \$38,060 | \$91,075 | \$4,541,207 |
| 5. Contingency (Escalation,Construction,Project) | \$3,489,674 | \$0 | \$0 | \$3,489,674 |
| | \$40,756,811 | \$1,378,999 | \$2,780,779 | \$36,597,033 |
| 391-TBD El Modena HS Unallocated Funds | | | | |
| 1. Unallocated Bond Funds | \$31,243,189 | \$0 | \$0 | \$31,243,189 |
| | \$31,243,189 | \$0 | \$0 | \$31,243,189 |
| El Modena High School | \$72,000,000 | \$1,378,999 | \$2,780,779 | \$67,840,222 |

* See Attachment for Details



Measure S Bond Program
Budget vs Actuals - Program Summary, By School w/ Budget Category
Project Budget Estimate - Schematic Design Phase

Monthly Progress Report December 2017

QSS Data thru 12/31/17

| | "A" Estimated Cost | "B" Expended | "C" Committed Balance / Encumbered | "D = A-B-C" Balance |
|--|-----------------------|--------------------|---|------------------------|
| Orange High School | | | | |
| 392-9520 Orange HS Science Center | | | | |
| 1. Design Cost | \$2,264,206 | \$1,094,791 | \$1,169,415 | \$0 |
| 2. Construction Cost | \$33,677,228 | \$1,216 | \$61,562 | \$33,614,450 |
| 3. Program and Construction Management | \$2,879,009 | \$187,667 | \$1,774,850 | \$916,492 |
| * 4. Construction Support Costs | \$5,493,268 | \$372,510 | \$96,802 | \$5,023,956 |
| 5. Contingency (Escalation,Construction,Project) | \$8,074,878 | \$0 | \$0 | \$8,074,878 |
| | \$52,388,588 | \$1,656,183 | \$3,102,629 | \$47,629,776 |
| 392-TBD Orange HS Unallocated Funds | | | | |
| 1. Unallocated Bond Funds | \$19,611,412 | \$0 | \$0 | \$19,611,412 |
| | \$19,611,412 | \$0 | \$0 | \$19,611,412 |
| Orange High School | \$72,000,000 | \$1,656,183 | \$3,102,629 | \$67,241,188 |
| Villa Park High School | | | | |
| 394-9520 Villa Park HS Science Center | | | | |
| 1. Design Cost | \$2,187,127 | \$802,801 | \$1,384,326 | \$0 |
| 2. Construction Cost | \$27,228,229 | \$0 | \$0 | \$27,228,229 |
| 3. Program and Construction Management | \$2,799,565 | \$303,578 | \$1,706,754 | \$789,233 |
| * 4. Construction Support Costs | \$4,631,525 | \$75,023 | \$61,298 | \$4,495,204 |
| 5. Contingency (Escalation,Construction,Project) | \$8,353,554 | \$0 | \$0 | \$8,353,554 |
| | \$45,200,000 | \$1,181,402 | \$3,152,378 | \$40,866,220 |
| 394-TBD Villa Park HS Unallocated Funds | | | | |
| 1. Unallocated Bond Funds | \$26,800,000 | \$0 | \$0 | \$26,800,000 |
| | \$26,800,000 | \$0 | \$0 | \$26,800,000 |
| Villa Park High School | \$72,000,000 | \$1,181,402 | \$3,152,378 | \$67,666,220 |
| Total Bond Program | \$288,000,000 | \$5,567,585 | \$14,113,463 | \$268,318,951 |

* See Attachment for Details



ATTACHMENT

*** Construction Support Costs**

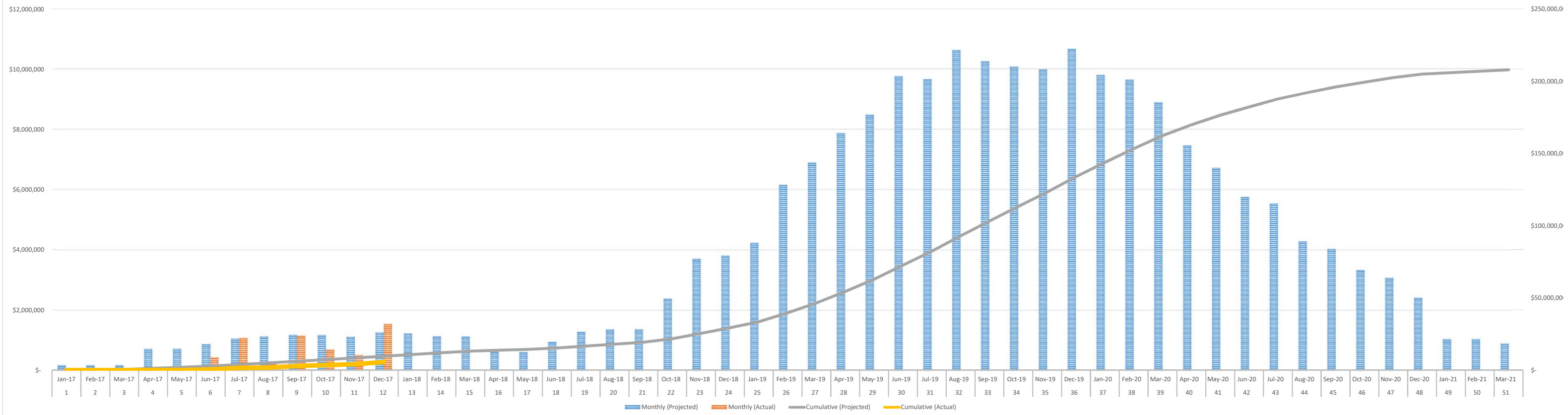
Commissioning
DSA Construction Phase Testing / LOR
DSA Inspection
DSA Review Fees
FFE (Laboratory Tables and Chairs, other)
IT Technology Infrastructure
Labor Compliance
Legal Council
Miscellaneous Fees (QCC Expended)
OICP-Builders Risk Insurance
Postage, Printing Advertising
Preliminary Testing (Hazmat, Topo Survey, Geotech, Subsurface Imaging)
Relocation/Move Services
Rental/Interim Housing
Title, Environmental, Stormwater Management
Utility Connection Fees (with Local Permitting Agency)



PROGRAM WIDE SCIENCE CENTER COST FLOW PROJECTION - UPDATE THRU DECEMBER 31, 2017



UPDATED WIDE SCIENCE CENTER CASH FLOW PROJECTION TO DECEMBER 31, 2017



| Totals | 1 Jan-17 (A) | 2 Feb-17 (A) | 3 Mar-17 (A) | 4 Apr-17 (A) | 5 May-17 (A) | 6 Jun-17 (A) | 7 Jul-17 (A) | 8 Aug-17 (A) | 9 Sep-17 (A) | 10 Oct-17 (A) | 11 Nov-17 | 12 Dec-17 | 13 Jan-18 | 14 Feb-18 | 15 Mar-18 | 16 Apr-18 | 17 May-18 | 18 Jun-18 | 19 Jul-18 |
|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Monthly (Projected) | \$ 180,165 | \$ 180,165 | \$ 180,165 | \$ 717,506 | \$ 720,305 | \$ 876,989 | \$ 1,042,984 | \$ 1,108,023 | \$ 1,161,246 | \$ 1,156,063 | \$ 1,102,912 | \$ 1,238,661 | \$ 1,234,942 | \$ 1,135,159 | \$ 1,128,200 | \$ 633,523 | \$ 610,025 | \$ 949,724 | \$ 1,288,184 |
| Monthly (Actual) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 427,744 | \$ 1,055,850 | \$ 243,891 | \$ 1,132,180 | \$ 678,966 | \$ 505,752 | \$ 1,523,203 | | | | | | | |
| Cumulative (Projected) | \$ 180,165 | \$ 360,330 | \$ 540,495 | \$ 1,258,001 | \$ 1,978,306 | \$ 2,855,295 | \$ 3,898,279 | \$ 5,006,302 | \$ 6,167,548 | \$ 7,323,611 | \$ 8,426,523 | \$ 9,665,184 | \$ 10,900,127 | \$ 12,035,286 | \$ 13,163,486 | \$ 13,797,009 | \$ 14,407,034 | \$ 15,356,758 | \$ 16,644,942 |
| Cumulative (Actual) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 427,744 | \$ 1,483,594 | \$ 1,727,485 | \$ 2,859,665 | \$ 3,538,631 | \$ 4,044,383 | \$ 5,567,586 | | | | | | | |
| Cumulative Difference | \$ 180,165 | \$ 360,330 | \$ 540,495 | \$ 1,258,001 | \$ 1,978,306 | \$ 2,427,551 | \$ 2,414,685 | \$ 3,278,817 | \$ 3,307,883 | \$ 3,784,980 | \$ 4,382,140 | \$ 4,097,598 | | | | | | | |

| Totals | 20 Aug-18 | 21 Sep-18 | 22 Oct-18 | 23 Nov-18 | 24 Dec-18 | 25 Jan-19 | 26 Feb-19 | 27 Mar-19 | 28 Apr-19 | 29 May-19 | 30 Jun-19 | 31 Jul-19 | 32 Aug-19 | 33 Sep-19 | 34 Oct-19 | 35 Nov-19 | 36 Dec-19 | 37 Jan-20 | 38 Feb-20 |
|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Monthly (Projected) | \$ 1,363,835 | \$ 1,369,811 | \$ 2,379,944 | \$ 3,698,334 | \$ 3,808,693 | \$ 4,230,449 | \$ 6,149,449 | \$ 6,897,716 | \$ 7,864,786 | \$ 8,480,581 | \$ 9,756,163 | \$ 9,654,114 | \$ 10,615,570 | \$ 10,251,698 | \$ 10,076,449 | \$ 9,974,399 | \$ 10,671,383 | \$ 9,798,832 | \$ 9,634,563 |
| Cumulative (Projected) | \$ 18,008,777 | \$ 19,378,588 | \$ 21,758,533 | \$ 25,456,866 | \$ 29,265,560 | \$ 33,496,009 | \$ 39,645,458 | \$ 46,543,174 | \$ 54,407,960 | \$ 62,888,541 | \$ 72,644,704 | \$ 82,298,818 | \$ 92,914,388 | \$ 103,166,085 | \$ 113,242,534 | \$ 123,216,933 | \$ 133,888,316 | \$ 143,687,148 | \$ 153,321,711 |

| Totals | 39 Mar-20 | 40 Apr-20 | 41 May-20 | 42 Jun-20 | 43 Jul-20 | 44 Aug-20 | 45 Sep-20 | 46 Oct-20 | 47 Nov-20 | 48 Dec-20 | 49 Jan-21 | 50 Feb-21 | 51 Mar-21 |
|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Monthly (Projected) | \$ 8,889,011 | \$ 7,456,830 | \$ 6,715,803 | \$ 5,754,347 | \$ 5,530,564 | \$ 4,279,799 | \$ 4,026,334 | \$ 3,329,032 | \$ 3,075,858 | \$ 2,415,916 | \$ 1,046,533 | \$ 1,046,533 | \$ 894,441 |
| Cumulative (Projected) | \$ 162,210,721 | \$ 169,667,551 | \$ 176,383,354 | \$ 182,137,701 | \$ 187,668,264 | \$ 191,948,063 | \$ 195,974,397 | \$ 199,303,428 | \$ 202,379,286 | \$ 204,795,202 | \$ 205,841,735 | \$ 206,888,268 | \$ 207,782,709 |

Monthly (Projected) (COLUMN)
 Monthly (Actual) (COLUMN)
 Cumulative (Projected) (LINE)
 Cumulative (Actual) (LINE)

Projected Bond Sales Preparation
 Projected Bond Sales Activity

4.0 Program Schedule



OUSD Program Summary Schedule

Data Date:31-Dec-17

| Activity ID | Activity Name | Original Duration | Remaining Duration | Start | Finish | Total Float | 2018 | | | | 2019 | | | | 2020 | | | | 2021 | | | | 2022 | |
|--------------------------------|--|-------------------|--------------------|-------------|-------------|-------------|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 |
| OUSD Bond Program | | | | | | | | | | | | | | | | | | | | | | | | |
| OUSD Orange High School | | | | | | | | | | | | | | | | | | | | | | | | |
| | Project Summary & Milestones | 866 | 587 | 08-Nov-16 A | 31-Mar-20 | 0 | | | | | | | | | | | | | | | | | | |
| | Design / Agency Review | 262 | 177 | 23-Aug-17 A | 13-Aug-18 | 0 | | | | | | | | | | | | | | | | | | |
| | Design / Agency Review for Bid 1 | 137 | 51 | 23-Aug-17 A | 15-Feb-18 | 17 | | | | | | | | | | | | | | | | | | |
| | Design / Agency Review for Bid 2 | 209 | 177 | 23-Aug-17 A | 13-Aug-18 | 0 | | | | | | | | | | | | | | | | | | |
| | Bid and Award | 242 | 242 | 06-Dec-17 | 19-Nov-18 | 0 | | | | | | | | | | | | | | | | | | |
| | Bid and Award Bid 1 | 117 | 117 | 06-Dec-17 | 23-May-18 | 17 | | | | | | | | | | | | | | | | | | |
| | Bid and Award Bid 2 | 191 | 191 | 20-Feb-18 | 19-Nov-18 | 0 | | | | | | | | | | | | | | | | | | |
| | District Procurement | 44 | 44 | 16-Jan-18 | 16-Mar-18 | 98 | | | | | | | | | | | | | | | | | | |
| | Construction Bid #1 | 67 | 67 | 17-May-18 | 21-Aug-18 | 404 | | | | | | | | | | | | | | | | | | |
| | Utilities and Infrastructure | 67 | 67 | 17-May-18 | 21-Aug-18 | 404 | | | | | | | | | | | | | | | | | | |
| | Snack Bar | 58 | 58 | 23-May-18 | 14-Aug-18 | 0 | | | | | | | | | | | | | | | | | | |
| | Relocate Bus Drop-off to Walnut Ave. | 41 | 41 | 18-Jun-18 | 14-Aug-18 | 0 | | | | | | | | | | | | | | | | | | |
| | Relocate Portable Buildings T-15 thru T-19 | 42 | 42 | 15-Jun-18 | 14-Aug-18 | 0 | | | | | | | | | | | | | | | | | | |
| | Construction Bid 2 | 279 | 279 | 13-Nov-18 | 23-Dec-19 | 14 | | | | | | | | | | | | | | | | | | |
| | STEM Building | 279 | 279 | 13-Nov-18 | 23-Dec-19 | 14 | | | | | | | | | | | | | | | | | | |
| | Site Improvement | 47 | 47 | 14-Jun-19 | 20-Aug-19 | 0 | | | | | | | | | | | | | | | | | | |
| | Closeout / Commissioning | 363 | 363 | 06-Aug-18 | 16-Jan-20 | 0 | | | | | | | | | | | | | | | | | | |
| | Commissioning Bid 1 | 5 | 5 | 06-Aug-18 | 10-Aug-18 | 28 | | | | | | | | | | | | | | | | | | |
| | Closeout Bid 1 | 25 | 25 | 14-Aug-18 | 19-Sep-18 | 0 | | | | | | | | | | | | | | | | | | |
| | Commissioning Bid 2 | 66 | 66 | 13-Sep-19 | 17-Dec-19 | 18 | | | | | | | | | | | | | | | | | | |
| | Closeout Bid 2 | 20 | 20 | 13-Dec-19 | 16-Jan-20 | 0 | | | | | | | | | | | | | | | | | | |
| OUSD Canyon High School | | | | | | | | | | | | | | | | | | | | | | | | |
| | Program-Wide | 1084 | 899 | 01-Mar-17 A | 10-Jun-21 | 69 | | | | | | | | | | | | | | | | | | |
| | Design | 425 | 266 | 23-May-17 A | 07-Jan-19 | 702 | | | | | | | | | | | | | | | | | | |
| | Schematic Design | 117 | 0 | 23-May-17 A | 09-Oct-17 A | | | | | | | | | | | | | | | | | | | |
| | Design Development | 82 | 19 | 14-Sep-17 A | 25-Jan-18 | 0 | | | | | | | | | | | | | | | | | | |
| | 50% Construction Documents | 37 | 37 | 26-Jan-18 | 19-Mar-18 | 0 | | | | | | | | | | | | | | | | | | |
| | 100% Construction Documents | 210 | 210 | 20-Mar-18 | 07-Jan-19 | 702 | | | | | | | | | | | | | | | | | | |
| | DSA Review & Approval | 165 | 165 | 24-Apr-18 | 10-Dec-18 | 0 | | | | | | | | | | | | | | | | | | |
| | STEM Building/MP Renovation/Parking/Drop-Off + Kitchen | 165 | 165 | 24-Apr-18 | 10-Dec-18 | 0 | | | | | | | | | | | | | | | | | | |
| | Bid and Award | 134 | 134 | 26-Oct-18 | 01-May-19 | 620 | | | | | | | | | | | | | | | | | | |
| | STEM Building/MP Renovation/Parking/Drop-Off + Kitchen | 134 | 134 | 26-Oct-18 | 01-May-19 | 620 | | | | | | | | | | | | | | | | | | |
| | Construction | 610 | 610 | 02-May-19 | 01-Sep-21 | 10 | | | | | | | | | | | | | | | | | | |
| | STEM Building/MP Renovation/Parking/Drop-Off + Kitchen | 610 | 610 | 02-May-19 | 01-Sep-21 | 10 | | | | | | | | | | | | | | | | | | |
| | Furniture, Fixtures & Equipment | 130 | 130 | 18-Mar-21 | 15-Sep-21 | 0 | | | | | | | | | | | | | | | | | | |
| | STEM Building/MP Renovation/Parking/Drop-Off + Kitchen | 130 | 130 | 18-Mar-21 | 15-Sep-21 | 0 | | | | | | | | | | | | | | | | | | |
| | Commissioning | 230 | 230 | 15-Oct-20 | 01-Sep-21 | 0 | | | | | | | | | | | | | | | | | | |
| | STEM Building/MP Renovation/Parking/Drop-Off + Kitchen | 230 | 230 | 15-Oct-20 | 01-Sep-21 | 0 | | | | | | | | | | | | | | | | | | |
| | Closeout | 180 | 180 | 07-Jan-21 | 15-Sep-21 | 0 | | | | | | | | | | | | | | | | | | |

■ Actual Level of Effort ■ Remaining Work ◆ Milestone
■ Actual Work ■ Critical Remaining Work — summary



OUSD Program Summary Schedule

Data Date:31-Dec-17

| Activity ID | Activity Name | Original Duration | Remaining Duration | Start | Finish | Total Float | 2018 | | | | 2019 | | | | 2020 | | | | 2021 | | | | 2022 | | | |
|-------------|---|-------------------|--------------------|-------------|-------------|-------------|---------------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|--|--|
| | | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | | |
| | STEM Building/MP Renovation/Parking/Drop-Off + Kitchen | 180 | 180 | 07-Jan-21 | 15-Sep-21 | 0 | | | | | | | | | | | | | | | | | | | | |
| | OUSD Villa Park High School | 990 | 781 | 14-Mar-17 A | 28-Dec-20 | -26 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Interim Housing | 443 | 341 | 10-Aug-17 A | 22-Apr-19 | 414 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Design | 123 | 21 | 10-Aug-17 A | 29-Jan-18 | 734 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | DSA Review and Approval | 80 | 80 | 29-Jan-18 | 18-May-18 | 655 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Bid and Award | 152 | 152 | 12-Feb-18 | 11-Sep-18 | 573 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Construction | 331 | 331 | 01-Jan-18 | 08-Apr-19 | 424 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Commissioning | 5 | 5 | 01-Jan-18 | 05-Jan-18 | 750 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | FF&E | 0 | 0 | 01-Jan-18 | 01-Jan-18 | 755 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Closeout | 341 | 341 | 01-Jan-18 | 22-Apr-19 | 414 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Science Center | 990 | 781 | 14-Mar-17 A | 28-Dec-20 | -26 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Design | 305 | 96 | 14-Mar-17 A | 14-May-18 | 659 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Schematic Design | 165 | 0 | 14-Mar-17 A | 31-Jul-17 A | | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Design Development | 180 | 43 | 11-Jul-17 A | 28-Feb-18 | 712 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | 50% Construction Documents | 119 | 60 | 10-Oct-17 A | 23-Mar-18 | 695 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | 100% Construction Documents | 96 | 96 | 01-Jan-18 | 14-May-18 | 659 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | DSA Review and Approval | 370 | 370 | 01-Jan-18 | 31-May-19 | 385 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Bid and Award | 84 | 84 | 14-May-19 | 06-Sep-19 | 315 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Construction | 741 | 741 | 01-Jan-18 | 02-Nov-20 | 14 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Commissioning | 0 | 0 | 01-Jan-18 | 01-Jan-18 | 755 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | FF&E | 0 | 0 | 01-Jan-18 | 01-Jan-18 | 755 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Closeout | 781 | 781 | 01-Jan-18 | 28-Dec-20 | -26 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | OUSD EI Modena High School | 1094 | 851 | 16-Jan-17 A | 13-May-21 | 0 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Management | 1053 | 858 | 16-Jan-17 A | 13-May-21 | 0 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Design | 315 | 72 | 16-Jan-17 A | 12-Apr-18 | 779 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Conceptual Design | 42 | 0 | 16-Jan-17 A | 14-Mar-17 A | | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Schematic Design (SD) | 118 | 0 | 15-Mar-17 A | 31-May-17 A | | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Design Development (DD) | 209 | 64 | 22-Jun-17 A | 02-Apr-18 | 129 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | 50% Construction Documents (50% CD) | 50 | 9 | 23-Oct-17 A | 12-Jan-18 | 849 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | 100% Construction Documents (100% CD) | 86 | 72 | 11-Dec-17 A | 12-Apr-18 | 779 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | DSA Review & Approval | 289 | 138 | 06-Sep-17 A | 25-Oct-18 | 642 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | DSA Permit | 289 | 138 | 06-Sep-17 A | 25-Oct-18 | 642 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Building Permits | 30 | 30 | 30-Jul-18 | 10-Sep-18 | 32 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Bid & Award | 168 | 168 | 22-Jun-18 | 21-Feb-19 | 2 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Construction | 474 | 474 | 22-Feb-19 | 08-Jan-21 | 44 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Sitework | 385 | 385 | 22-Feb-19 | 26-Aug-20 | 66 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Building | 474 | 474 | 22-Feb-19 | 08-Jan-21 | 44 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Canopy | 50 | 50 | 13-Nov-19 | 27-Jan-20 | 32 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Furniture Fixtures & Equipment (FF&E) | 345 | 345 | 17-Jun-19 | 22-Oct-20 | 118 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Commissioning | 410 | 410 | 15-Mar-19 | 22-Oct-20 | 86 | [Summary bar] | | | | | | | | | | | | | | | | | | | |
| | Closeout | 88 | 88 | 11-Jan-21 | 13-May-21 | 0 | [Summary bar] | | | | | | | | | | | | | | | | | | | |

■ Actual Level of Effort
 ■ Remaining Work
 ■ Critical Remaining Work
 ◆ Milestone
 ◆ summary

Board of Education

Rick Ledesma, President
John Ortega, Vice President
Kathryn Moffat, Clerk
Alexia Deligianni-Brydges, Ed. D
Brenda Lebsack
Timothy Surridge

Gunn Marie Hansen, Ph.D.
Superintendent

Ronald N. Lebs
Assistant Superintendent
Facilities & Planning Department



Facilities & Planning Department
Measure S Bond Program
726 W. Collins Avenue
Orange, CA 92867