



ORANGE UNIFIED SCHOOL DISTRICT

Measure S Bond Program

October 2017 Monthly Progress Report



PERIOD COVERED:
October 1 - 31, 2017

FISCAL YEAR
FY 2017-2018

PROGRESS REPORT NO.
PR-04-1718-004

PREPARED BY:

CUMMING
Building Value Through Expertise



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1.0 SUMMARY

1.1 Program Summary

The Architects continue their work on each of the project designs, which are approximately 35% complete. Bi-Weekly Design Review Meetings were held in October by the District and Program Manager to review design progress and cost savings options with their respective Architect and Construction Manager. The Standard Specifications Architect is also continuing work on the Standard Specifications, which are approximately 85% complete. The Program Manager is also continuing work on the Program Wide financial and document controls systems (Procore), which is scheduled to launch by the end of the year. 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

October 5 Board Approved Agenda Items

- Modular Building Design Services at OHS with Silvercreek
- Determination of Surplus Relocatable Classroom Buildings at OHS

Program Wide Standard Specifications

- On 10/26, the Program Manager completed a specifications review meeting with the Architect to review and incorporate the District's comments.
- On 10/13, the Architect submitted a draft for review by the District and Program Manager. The Program Manager is also preparing the General Conditions and General Requirements with the District and Architect.
- On 9/21, the District and Program Manager hosted an all-day meeting with the District's Maintenance Department to receive their input concerning the Standard Specifications.
- On 9/14, the Board approved Standard Specifications Services by Lionakis. Meetings have been scheduled on 9/21 and 9/27 (as an alternate) with the District and the Architect to review the District's experience with various products and manufacturers.

Program Wide Master Schedule

- On 10/26, the Program Manager issued a Draft Summary Schedule for internal review and comment by the Program Manager.
- On 10/6, the Program Manager issued revised Program Wide scheduling procedures to the Construction Managers for completion of the Master Schedule by Nov 1st.
- On 10/3, the Program Manager completed a with all Construction Managers meeting to review the Program Wide scheduling procedures.
- On 6/29, the Program Manager submitted a Preliminary Master Schedule in Excel format the District.



Program Wide Cash Flow Projection

- The Program Manager is updating the 6/21/17 Cash Flow Projection with actual expenditures through 10/31, for issuance in early November.
- Based upon current market conditions and the 6/21/17 Cash Flow Projection, it appears that selling Bonds before September 2018 would not be cost effective.

Program Wide Financial & Document Controls System

- On 10/26, the Program Manager held an all-day meeting to program the database requirements.
- On 10/24, the Program Manager held a team meeting to review and incorporate system requirements.
- On 10/5, the Program Manager held separate meetings with the OUSD Business Office and the Construction Managers to review the Procore financial and document controls systems.
- On 9/22, the Program Manager met with the Procore Team to define the plan for implementation of the Program Wide Financial & Document Controls System.
- On 9/14, the Program Wide Financial & Document Controls System was approved by the Board.

Program Wide Commissioning Services

- The award of the contract for the Commissioning Services Firm has been advanced for the review and approval by the Board during their next meeting on 11/9.
- On 10/25, the Program Manager completed reference checks and issued a recommendation for the District's approval during the Board's 11/9 meeting.
- On 10/12, interviews were held with the shortlisted Commissioning Services firms with an interview panel that included the District, Program Manager, and a Measure S Architect and Construction Manager.
- On 10/3, the Program Manger issued Shortlist Letters to two (2) firms to complete interviews scheduled for 10/12.
- On 9/18, submittals were received from six (6) Commissioning Services firms, which are under review by the Program Manager for advancement to the 10/5 Board Agenda.
- On 9/7, the Program Manager responded to the pre-submittal Requests for Information (RFIs).
- On 8/31, the District issued the Commissioning Services Request for Proposal to nine (9) firms with a 9/13 submittal deadline (which was revised by addendum to 9/18)

Program Wide DSA Inspection Services

- On 10/18, a Request for Proposal was issued for the procurement of Program Wide DSA Inspection Services. The deadline for submittal of proposals is 11/3.

Program Wide DSA Laboratory & Geo-Technical Services

- On 10/18, a Request for Proposal was issued for the procurement of Program Wide DSA Laboratory & Geo-Technical Services. The deadline for submittal of proposals is 11/3.



Program Wide Environmental & Hazardous Materials Consultant Services

- The District and Program Manager are preparing to issue a Request for Proposal for the procurement of Program Wide Environmental & Hazardous Materials Consultant Services on 11/1 with the deadline for submittal of bids on 12/13.

Program Wide Low Voltage & Security System Consultant Services

- On 10/27, the Program Manager completed an initial programming meeting with the District's Technology Services to review compatibility and expandability options, define preferred performance standards and requirements and to develop programming decisions.
- On 10/20, the Master Specifications Architect submitted a proposal to provide Low Voltage & Security System Master Specifications Services. The District and Program Manager are reviewing the Architect's proposal.

Program Wide California Environmental Quality Act (CEQA) Consultant Services

- A Request for Proposals was issued on September 22, 2017, and sent to five firms; proposals were received from four firms.
- Two firms were selected for follow up telephone conversations and office visits. Reference checks were also conducted on the recommended firms.
- Two firms are being recommended for approval as CEQA Consultants at the November 9, 2017, Board Meeting.

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.

OHS Interim Housing Facilities

- On 10/24, the Architect submitted the 100% Construction Documents to DSA for DSA's review and approval.
- On 10/5, the Board of Education approved the Determination of Surplus Relocatable Classroom Buildings because the placement of Interim Housing requires the demolition and removal of five portable buildings. The demolition and removal of these buildings is scheduled to be completed during the December 2017 holiday break. Bids have been received and are within budget.
- Interim Housing construction includes the Snack Bar, Bus Drop-off and associated relocatable housing elements and is forecasted to start in June 2018 and be completed in early November 2018.

VPHS Interim Housing Facilities

- The Architect is scheduled to submit the 100% Design to DSA on 12/4.
- Construction is forecasted to start June 2018 and be completed in early January 2019.



CHS Interim Housing Facilities

- The Architect and Construction Manager are revising the current plan for 3 design packages into 2 design packages with Interim Housing to be constructed with the 2nd design package for the STEM Building.
- Summer 2018 is the scheduled construction period for the 1st design package, which will address the electrical utility yard to minimize impacts because the entire campus must be switched over to a new electrical service.

Contractor / Subcontractor Pre-Qualification & Business Outreach

- The District & Program Manager are reviewing draft Pre-Qualification applications from the District’s Counsel.

Program Management Plan

- The Program Management Plan embodies the following procedures, which have been finalized, issued and are currently in operation:
 - 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

Program Wide Implementation Plan

- The Program Manager is preparing a detailed plan to 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.

Citizens’ Oversight Committee (COC)

- The next COC meeting is scheduled for 1/24/18.
- 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.
- The FY 2016/17 Financial Audit is in process. The Draft Audit Report is anticipated in October.



Communications Management

- The Program Manager is preparing to issue the communications protocol to the Architects & Construction Managers in November.
- On 9/14, the District and the Program Manager updated the Board by presentation at the 9/14 Board Meeting as an information item.
- On 8/17, the District and the Program Manager updated the Board by presentation at the 8/17 Board Meeting as an information item.

1.3 Look Ahead (next 90 days)

- Continuation of the Design Phase for each HS
- Continued Review of Cost Saving Options for each HS
- Initial Meetings with DSA for CHS and VPHS
- Issuance of the Program Wide Standard Specifications
- Begin Services with Program Wide Commissioning Firm
- Consultant Selection
 - a) California Environmental Quality Act (CEQA) Services
 - b) DSA Construction Testing & Geo-Technical Services
 - c) DSA Inspection Services
- Board Agenda Items Look Ahead
All items are tentative until agenda is finalized.

November 9 Proposed Board Agenda Items

- Program Wide Commissioning Services
- EMHS Topography Survey Services
- Program Wide California Environmental Quality Act (CEQA) Services
- (Information Item) Monthly Measure S Bond Program Update

December 7 Proposed Board Agenda Items

- (Tentative) OHS Food Service Building Piggyback Contract
- (Tentative) Program Wide Low Voltage & Security System Consultant Services
- (Information Item) OHS Design Development Presentation by Lionakis
- (Information Item) Monthly Measure S Bond Program Update

January 18 Proposed Board Agenda Items

- Program Wide DSA Inspection Services
- Program Wide DSA Laboratory of Record & Geo-Technical Services
- (Information Item) EMHS Design Development Presentation by HED
- (Information Item) VPHS Design Development Presentation by LPA
- (Information Item) Monthly Measure S Bond Program Update



February 15 Proposed Board Agenda Items

- Program Wide Environmental & Hazardous Materials Consultant Services
- (Information Item) CHS Design Development Presentation by gkkworks
- (Information Item) Monthly Measure S Bond Program Update

March 8 Proposed Board Agenda Items

- (Information Item) Monthly Measure S Bond Program Update



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 |
|---|---|

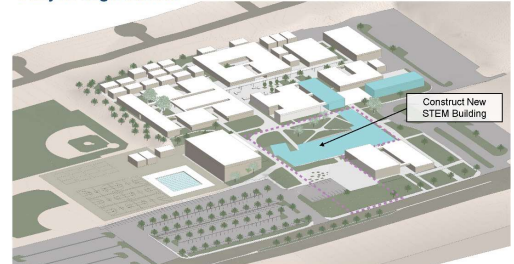
Project Update:

- The Architect continues the Design Development phase and is scheduled to issue the 100% Design Development Package on 12/26, due to its larger scope of work.
- The District & Program Manager are reviewing an option developed by the Architect and the Construction Manager to save Temporary Housing costs for the Administrative Staff.
- On 10/25, 10/11, 9/27, 9/13 & 8/30, the District, Program Manager, Architect & Construction met to review design progress and cost savings options proposed by the Architect.
- On 8/30, the Architect considers Con X Tech’s structural steel framing system as feasible.
- On 7/27, the Board approved the not-to-exceed contracts with the Program Manager, Architect and Construction Manager for all services necessary to complete the project.
- On 7/20, the architect, structural engineer, construction manager and program manager met to review the time and cost saving merits of the structural steel system by Con X Tech.
- On 7/6, negotiations concluded concerning the cost of the Architect’s Work Authorization for the advancement to the July 27th Board Agenda. Negotiations concluded in early June concerning the cost of the Construction Manager’s Work Authorization for the advancement to the July 27th Board Agenda.
- On 6/29, the District, Architect, Construction Manager and Program Manager met to discuss completion of a handout to address Board of Education concerns regarding the project budget amount.

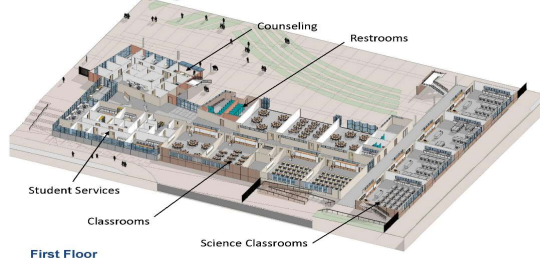
Canyon High School
New STEM Building



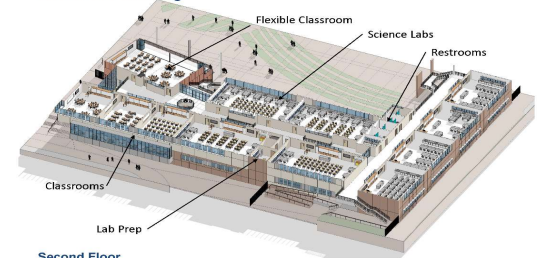
Canyon High School



Canyon High School
New STEM Building



Canyon High School
New STEM Building





EL MODENA HS SCIENCE CENTER

- | | |
|---|--|
| <ul style="list-style-type: none"> • 12 Laboratory Rooms • 1 General Classrooms • 2 Medically Fragile Classrooms | <ul style="list-style-type: none"> • Relocation of Campus MDF • Technology & Utility Upgrade • Landscape Improvements |
|---|--|

Project Update:

- The Architect has completed the Design Development phase and is preparing the 50% Construction Document submittal.
- On 10/18, 10/4, 9/20 & 8/23, the District, Program Manager, Architect & Construction have met to review design progress and cost savings options proposed by the Architect.
- On 10/6, the Architect issued their 100% Design Development submittal, which has been reviewed by the District and Program Manager.
- On 9/6, the first meeting was held with DSA for the Architect to present and review the design with DSA.
- On 8/25, the District & Architect met to review cost savings options proposed by the Architect concerning the Building Roof, Elevator and Windows in response to the District's cost concerns.
- On 7/27, the Board approved the not-to-exceed contracts with the Program Manager, Architect and Construction Manager for all services necessary to complete the project.
- On 7/14, negotiations concluded concerning the cost of the Construction Manager's Work Authorization for the advancement to the July 27th Board Agenda.
- On 7/7 District, Architect and PM discussed cost saving options, i.e., elevator, shade structure, angled braces, glazing, etc. architect submitted possible reduction options on 7/7 via email.



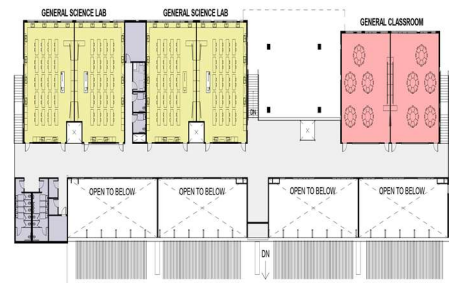
EL MODENA SCIENCE CENTER Overall View 08.11.2017 HED



EL MODENA SCIENCE CENTER Site Aerial Diagram 08.11.2017 HED



EL MODENA SCIENCE CENTER First Floor Plan 08.11.2017 HED



EL MODENA SCIENCE CENTER Second Floor Plan 08.11.2017 HED



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:

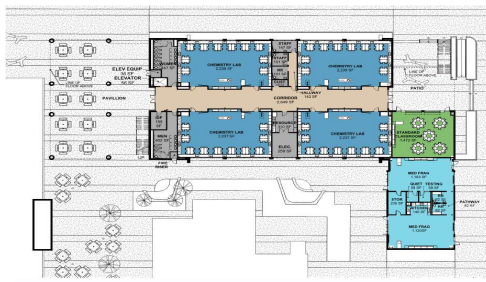
- The Architect has completed the Design Development phase and is preparing the 50% Construction Document submittal.
- On 10/16, 10/3, 9/18 & 8/28, the District, Program Manager, Architect & Construction met to review design progress and cost savings options proposed by the Architect.
- On 8/22, the Architect issued their 100% Design Development submittal, which has been reviewed by the District and Program Manager.
- On 8/7, the Architect and District completed their initial review with DSA. DSA expressed concerns regarding the outdoor deck and the location of the Fume Hoods. The Architect and the District are reviewing viable options.
- On 7/27, the Board approved the not-to-exceed contracts with the Program Manager and Construction Manager for all services necessary to complete the project. The Architect's contract was approved by the Board on 5/25.
- On 7/13, negotiations concluded concerning the cost of the Construction Manager's Work Authorization for the advancement to the July 27th Board Agenda.
- The District is reviewing scope requirements for Food Services & bus drop-off/pick-up and considering design changes due to possible conflicts. Discussions are ongoing. A recommendation is anticipated in early August 2017.
- On 7/5 District officials met at OHS to review food service and bus drop off/pick up issues.
- On 7/5, the District and the Construction Manager met to complete negotiations concerning the cost of the Construction Manager's Work Authorization for the advancement to the July 27th Board Agenda.



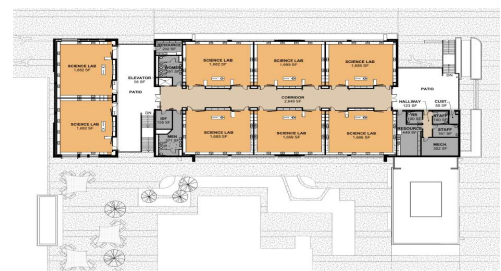
Orange High School Science Center



Orange High School Science Center



Science Center Ground Floor Plan



Science Center Second Floor Plan

Orange High School
 "ONCE A PANTHER, ALWAYS A PANTHER"
PANTHERS



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 has completed the Design Development phase and is preparing the 50% Construction Document submittal.
- On 10/26, the District replied by letter to update the City of Villa Park on project progress.
- On 10/23, 10/9, 9/25 & 9/11, the District, Program Manager, Architect & Construction met to review design progress and cost savings options proposed by the Architect.
- On 10/4, the Architect issued their 100% Design Development submittal, which is under review by the District and Program Manager.
- On 9/6, the District, Architect and Construction Manager met with the City of Villa Park City Manager and Traffic Engineer to review the project. The City articulated their concern regarding any design issues that are related to traffic circulation, drop-off and pick-up queuing, parking and line of sight/visibility issues of the new STEM building with the neighbors along the eastern property line. The District & Program Manager are following up with the Architect and City concerning each of these issues.
- On 8/28, the District, Program Manager, Architect & Construction met to review design progress and cost savings options proposed by the Architect.
- On 7/27, the Board approved the not-to-exceed contracts with the Program Manager, Architect and Construction Manager for all services necessary to complete the project.
- On 7/21 the architect presented a draft interim relocatable classroom layout. The District is considering reducing the number of classroom from 10 to 9 and adjusting the layout as a cost savings measure. A recommendation is anticipated in early August.



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 October 2017

QSS Data thru 10/31/17

	"A"	"B"	"C"	"D = A-B-C"
	Estimated Cost	Expended	Committed Balance / Encumbered	Balance
Allocated Funds				
1. Design Cost	\$9,605,657	\$2,596,566	\$7,009,091	\$0
2. Construction Cost	\$134,410,138	\$0	\$44,800	\$134,365,338
3. Program and Construction Management	\$12,706,689	\$722,233	\$8,369,391	\$3,615,065
* 4. Construction Support Costs	\$21,785,428	\$219,832	\$198,776	\$21,366,820
5. Contingency (Escalation,Construction,Project)	\$29,337,488	\$0	\$0	\$29,337,488
	\$207,845,399	\$3,538,630	\$15,622,058	\$188,684,710
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	\$3,538,630	\$15,622,058	\$268,839,311

** 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 October 2017

QSS Data thru 10/31/17

	"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	\$442,500	\$2,769,055	\$0
2. Construction Cost	\$45,638,681	\$0	\$0	\$45,638,681
3. Program and Construction Management	\$4,240,089	\$233,984	\$2,796,917	\$1,209,188
* 4. Construction Support Costs	\$7,420,851	\$64,773	\$31,198	\$7,324,881
5. Contingency (Escalation,Construction,Project)	\$8,988,824	\$0	\$0	\$8,988,824
	\$69,500,000	\$741,257	\$5,597,169	\$63,161,574
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	\$741,257	\$5,597,169	\$65,661,574

El Modena High School

391-9520 El Modena HS Science Center				
1. Design Cost	\$1,942,769	\$727,653	\$1,215,116	\$0
2. Construction Cost	\$27,866,000	\$0	\$0	\$27,866,000
3. Program and Construction Management	\$2,788,026	\$166,771	\$1,921,103	\$700,152
* 4. Construction Support Costs	\$4,461,347	\$37,873	\$45,104	\$4,378,370
5. Contingency (Escalation,Construction,Project)	\$3,698,669	\$0	\$0	\$3,698,669
	\$40,756,811	\$932,297	\$3,181,323	\$36,643,191
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	\$932,297	\$3,181,323	\$67,886,380

* 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 October 2017

QSS Data thru 10/31/17

	"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	\$963,960	\$1,300,246	\$0
2. Construction Cost	\$33,677,228	\$0	\$44,800	\$33,632,428
3. Program and Construction Management	\$2,879,009	\$125,801	\$1,836,716	\$916,492
* 4. Construction Support Costs	\$5,475,917	\$63,285	\$79,990	\$5,332,642
5. Contingency (Escalation,Construction,Project)	\$8,092,229	\$0	\$0	\$8,092,229
	\$52,388,588	\$1,153,046	\$3,261,751	\$47,973,791
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	\$1,153,046	\$3,261,751	\$67,585,203
Villa Park High School				
394-9520 Villa Park HS Science Center				
1. Design Cost	\$2,187,127	\$462,453	\$1,724,675	\$0
2. Construction Cost	\$27,228,229	\$0	\$0	\$27,228,229
3. Program and Construction Management	\$2,799,565	\$195,677	\$1,814,655	\$789,233
* 4. Construction Support Costs	\$4,427,313	\$53,901	\$42,485	\$4,330,927
5. Contingency (Escalation,Construction,Project)	\$8,557,766	\$0	\$0	\$8,557,766
	\$45,200,000	\$712,031	\$3,581,814	\$40,906,155
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	\$712,031	\$3,581,814	\$67,706,155
Total Bond Program	\$288,000,000	\$3,538,630	\$15,622,058	\$268,839,311

* See Attachment for Details



ATTACHMENT

*** Construction Support Costs**

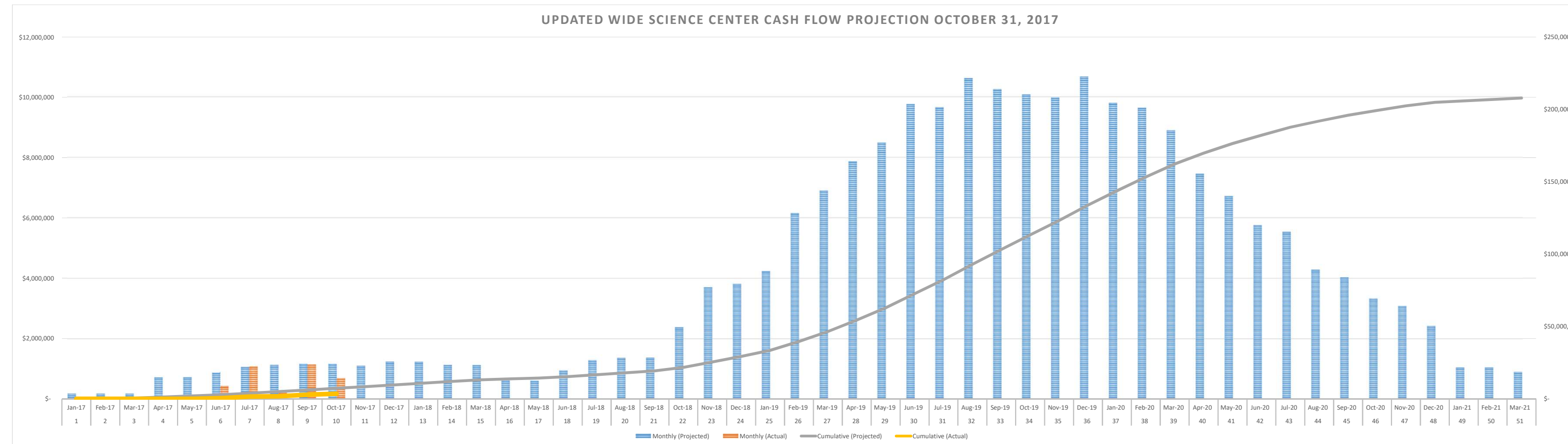
Commissioning
DSA Construction Phase Testing / LOR
DSA Inspection
DSA Review Fees
FFE (Laboratory Tables and Chairs, other)
IT Technology Infrastructure
Labor Compliance
Legal Council
Miscellaneous Fees (QCC Expended)
OICP-Builders Risk Insurance
Postage, Printing Advertising
Preliminary Testing (Hazmat, 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 OCTOBER 31, 2017



UPDATED WIDE SCIENCE CENTER CASH FLOW PROJECTION OCTOBER 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									
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									
Cumulative Difference	\$ 180,165	\$ 360,330	\$ 540,495	\$ 1,258,001	\$ 1,978,306	\$ 2,427,551	\$ 2,842,429	\$ 4,762,411	\$ 5,035,368	\$ 6,644,645									

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)

4.0 Program Schedule



OUSD Draft Program Summary Schedule

Data Date: 28-Sep-17

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	WBS	2017		2018				2019				2020				2021				2022	
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
OUSD Bond Program		1244d	08-Nov-16 A	16-Aug-21	0d																					
OUSD Orange High School		866d	08-Nov-16 A	31-Mar-20	0d																					
Project Summary & Milestones		866d	08-Nov-16 A	31-Mar-20	0d																					
Design / Agency Review		262d	23-Aug-17 A	13-Aug-18	0d																					
Design / Agency Review for Bid 1		154d	23-Aug-17 A	12-Mar-18	0d																					
Design / Agency Review for Bid 2		209d	23-Aug-17 A	13-Aug-18	0d																					
Bid and Award		260d	08-Nov-17	19-Nov-18	0d																					
Bid and Award Bid 1		152d	08-Nov-17	18-Jun-18	0d																					
Bid and Award Bid 2		212d	22-Jan-18	19-Nov-18	0d																					
Construction Bid #1		66d	12-Jun-18	13-Sep-18	388d																					
Utilities and Infrastructure		66d	12-Jun-18	13-Sep-18	388d																					
Snack Bar		41d	18-Jun-18	14-Aug-18	0d																					
Relocate Bus Drop-off to Walnut Ave.		41d	18-Jun-18	14-Aug-18	0d																					
Relocate Portable Buildings T-15 thru T-19		42d	15-Jun-18	14-Aug-18	0d																					
Construction Bid 2		279d	13-Nov-18	23-Dec-19	14d																					
STEM Building		279d	13-Nov-18	23-Dec-19	14d																					
Site Improvement		47d	14-Jun-19	20-Aug-19	0d																					
Closeout / Commissioning		363d	06-Aug-18	16-Jan-20	0d																					
Commissioning Bid 1		5d	06-Aug-18	10-Aug-18	28d																					
Closeout Bid 1		25d	14-Aug-18	19-Sep-18	0d																					
Commissioning Bid 2		66d	13-Sep-19	17-Dec-19	18d																					
Closeout Bid 2		20d	13-Dec-19	16-Jan-20	0d																					
OUSD Canyon High School		1131d	01-Mar-17 A	16-Aug-21	0d																					
Program-Wide		1084d	01-Mar-17 A	10-Jun-21	47d																					
Design		403d	23-May-17 A	06-Dec-18	702d																					
Schematic Design		102d	23-May-17 A	09-Oct-17	0d																					
Design Development		56d	14-Sep-17 A	26-Dec-17	949d																					
50% Construction Documents		37d	27-Dec-17	15-Feb-18	0d																					
100% Construction Documents		210d	16-Feb-18	06-Dec-18	702d																					
DSA Review & Approval		165d	23-Mar-18	08-Nov-18	0d																					
Bid and Award		134d	26-Sep-18	01-Apr-19	620d																					
Construction		610d	02-Apr-19	02-Aug-21	10d																					
STEM Building/MP Renovation/Parking/Drop-Off + Kitchen		610d	02-Apr-19	02-Aug-21	10d																					
Furniture, Fixtures & Equipment		130d	16-Feb-21	16-Aug-21	0d																					
Commissioning		230d	15-Sep-20	02-Aug-21	0d																					
Closeout		180d	08-Dec-20	16-Aug-21	0d																					
Villa Park High School - Science Center		990d	14-Mar-17 A	28-Dec-20	-26d																					
Design Phase		305d	14-Mar-17 A	14-May-18	659d																					

Remaining Level of Effort	Actual Work	Critical Remaining Work
Actual Level of Effort	Remaining Work	

TASK filter: All Activities



OUSD Draft Program Summary Schedule

Data Date: 28-Sep-17

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	WBS	2017		2018				2019				2020				2021		2022	
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Schematic Design																								
	Design Development	180d	14-Mar-17 A	31-Jul-17 A	765d																			
	50% Construction Documents	109d	11-Jul-17 A	15-Dec-17																				
	100% Construction Documents	198d	10-Oct-17	09-Mar-18	705d																			
	100% Construction Documents	198d	10-Aug-17 A	14-May-18	659d																			
	DSA Review and Approval	437d	28-Sep-17	31-May-19	385d																			
	Bid and Award	356d	28-Sep-17	06-Sep-19	315d																			
	Construction	808d	27-Apr-18	02-Nov-19	14d																			
	FF&E	0d	28-Sep-17	28-Sep-17	822d																			
	Commissioning	5d	28-Sep-17	04-Oct-17	817d																			
	Closeout	848d	28-Sep-17	28-Dec-20	-26d																			
OUSD EI Modena High School																								
	Management	959d	16-Jan-17 A	04-Jan-21	0d																			
	Design	291d	16-Jan-17 A	08-Mar-18	711d																			
A1000	Begin Design	0d	16-Jan-17 A			20171015_EI Modena.20																		
	Conceptual Design	42d	16-Jan-17 A	14-Mar-17 A																				
	Schematic Design (SD)	118d	15-Mar-17 A	24-Jul-17 A																				
	Design Development (DD)	197d	22-Jun-17 A	08-Mar-18	711d																			
	50% Construction Documents (50% CD)	51d	20-Oct-17	04-Jan-18	756d																			
	100% Construction Documents (100% CD)	94d	20-Oct-17	06-Mar-18	713d																			
	DSA Review & Approval	307d	06-Sep-17 A	20-Nov-18	532d																			
	DSA Permit	290d	06-Sep-17 A	26-Oct-18	549d																			
	Building Permits	80d	31-Jul-18	20-Nov-18	32d																			
	Bid & Award	237d	31-Jan-18	09-Jan-19	501d																			
	Construction	406d	10-Jan-19	12-Aug-20	99d																			
	Sitework	379d	18-Jan-19	14-Jul-20	25d																			
	Building	300d	23-May-19	28-Jul-20	9d																			
	Canopy	50d	01-Oct-19	11-Dec-19	10d																			
	Furniture Fixtures & Equipment (FF&E)	425d	10-Jan-19	09-Sep-20	20d																			
	Commissioning	365d	04-Apr-19	09-Sep-20	80d																			
	Closeout	139d	16-Jun-20	04-Jan-21	0d																			

█ Remaining Level of Effort
 █ Actual Work
 █ Critical Remaining Work
█ Actual Level of Effort
 █ Remaining Work

TASK filter: All Activities

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John Ortega, Vice President
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Gunn Marie Hansen, Ph.D.
Interim Superintendent

Ronald N. Lebs
Assistant Superintendent
Facilities & Planning Department



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Measure S Bond Program
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