



ORANGE UNIFIED SCHOOL DISTRICT

Measure S Bond Program

November 2017 Monthly Progress Report



PERIOD COVERED:

November 1 - 30, 2017

FISCAL YEAR

FY 2017-2018

PROGRESS REPORT NO.

PR-05-1718-005

PREPARED BY:

CUMMING
Building Value Through Expertise



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1.0 SUMMARY

1.1 Program Summary

Progress on the Science Center Building designs continues by our Measure S Design Teams for each High School campus. The Canyon High School design is approximately 30% complete and the Orange High School, El Modena High School and Villa Park High School designs are approximately 40% complete. Design Review Meetings were held with the District and Program Manager to review design progress with their respective Architect and Construction Manager on a bi-weekly basis for each project. 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

November 9 Approved Board Agenda Items

- Demolition of Relocatable Buildings T-20, 21, 22, 23 & 24 at Orange HS with Integrated Demolition and Remediation, Inc.
- Program Wide Commissioning Services with P2S Engineering, Inc.
- Program Wide California Environmental Quality Act (CEQA) Services with Environmental Audit, Inc. and PlaceWorks
- Additional Site Utility Survey Services at El Modena HS with HED
- (Information Item) Monthly Measure S Bond Program Update

Program Wide California Environmental Quality Act (CEQA) Consultant Services

- On 11/30, the District completed a Kickoff Meeting for EMHS with Environmental Audit, HED and Arcadis.
- On 11/29, Environmental Audit submitted their proposal to provide CEQA services at EMHS & CHS, which the District is reviewing.
- On 11/22, PlaceWorks submitted their proposal to provide CEQA services at VPHS & OHS, which the District is reviewing.
- On 11/16, the District requested proposals from the CEQA Services firms.
- On 11/9, the Board approved the award of contracts for Program Wide California Environmental Quality Act (CEQA) Services with Environmental Audit, Inc. and PlaceWorks.
- On 11/1, the following two firms were recommended for the Board's approval as CEQA Consultants at the November 9, 2017, Board Meeting.
 - Environmental Audit, Inc.
 - PlaceWorks



Program Wide DSA Laboratory & Geo-Technical Services

- The District is preparing Board Agenda items to request approval to award “bench” contracts during the January 18th Board Meeting.
- On 11/17, the Program Manager issued a recommendation to award “bench” contracts for review and approval during the January 18th Board Meeting.
- On 11/17, the District and Program Manager completed their review, evaluation and scoring of the 14 submittals that were received in response to the formal solicitation.
- On 11/3, 14 submittals were received for review by the District.
- 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 DSA Inspection Services

- On 11/17, the Program Manager issued a recommendation to award “bench” contracts for review and approval during the January 18th Board Meeting.
- On 11/17, the District and Program Manager completed their review, evaluation and scoring of the 16 submittals that were received in response to the formal solicitation.
- On 11/3, 16 submittals were received for review by the District.
- 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 Environmental & Hazardous Materials Consultant Services

- On 11/30, the District and Program Manager are responding to Pre-Submittal Questions from interested firms.
- On 11/1, the District and Program Manager issued a Request for Proposal for the procurement of Program Wide Environmental & Hazardous Materials Consultant Services on 11/1 with the deadline for submittal of proposals on 12/13.

Program Wide Low Voltage & Security System Consultant Services

- 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 planned for the 12/7 Board Meeting.
- On 11/3, the Program Manager issued the Meeting Minutes of the Security System 10/27 meeting for review and comment by District Technology 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 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.

Program Wide Commissioning Services

- The Program Manager has scheduled the Kick-Off Meeting for 12/7.
- On 11/9, the Board approved the award of a contract for Program Wide Commissioning Services with P2S Engineering, Inc.
- On 10/25, the Program Manager completed reference checks and issued a recommendation for award to a Commissioning Services Firm 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 Manager issued Shortlist Letters to two (2) firms to complete interviews scheduled for 10/12.

Program Wide Financial & Document Controls System

- Work continues on schedule for launching the Program Wide Financial & Document Controls System before 12/31.
- 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.

Program Wide Standard Specifications

- Each project Architect is incorporating the Program Wide Standard Specifications into their respective projects. The Program Manager is also preparing the General Conditions and General Requirements with the District and Architect.
- On 11/10, the Program Issued the new Standard Specifications to each Architect.
- On 10/31, the Program Manager issued the District's final comments on the Draft Master Specifications for incorporation by the Architect.
- 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 Standard Specifications for review by the District and Program Manager.



Program Wide Master Schedule

- On 11/1, the Program Manager issued a Program Wide Master Schedule to the District based upon the schedules submitted by the Construction Managers. The Master Schedule will be final by incorporation of the construction schedules from General Contractors.
- 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

- On 11/1, the Program Manager issued an Update of the 6/21/17 Cash Flow Projection with actual expenditures through 10/31.
- Based upon current market conditions and the 10/31/17 and 6/21/17 Cash Flow Projections, it appears that selling Bonds before September 2018 would not be cost effective.

Canyon High School 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 completed with the 2nd Design Package which includes 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.

Orange High School Interim Housing Facilities

- The Architect is incorporating DSA's comments on the Package 1 Submittal for Interim Housing which was submitted to DSA on 10/17 and returned by DSA with comments on 11/20.
- 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.



Villa Park High School Interim Housing Facilities

- The Architect is scheduled to submit the 100% Design to DSA on 12/15.
- Construction is forecasted to start June 2018 and be completed in early January 2019.
- The FEMA 100-year flood plain map indicates that the southern portion of the campus is located within the 100-year flood plain potentially impacting the placement/location of the interim housing.
 - District staff is exploring options to reduce the number of classrooms as well as their relocation to another part of the campus.
 - Discussions with site administration are taking place the week of October 30

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.

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 Manager is preparing a detailed implementation plan, 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)

- Continuation of the Design Phase for each High School
- Launch Program Wide Financial & Document Controls System with Architects & Construction Managers
- Complete Design Development Board Meeting Presentations & Cost Saving Options at each HS



- Issue Draft Program Management Plan
- Issue Draft General Conditions and General Requirements
- Submit 100% Design for Villa Park High School Interim Housing to DSA
- Receive DSA Approval for the Orange High School Interim Housing Design
- Complete Citizens' Oversight Committee (COC) Meeting #3
- Begin Services with Program Wide Commissioning Firm
- Begin Services with Program Wide California Environmental Quality Act (CEQA) Firms
- Consultant Selection
 - a) DSA Construction Testing & Geo-Technical Services
 - b) DSA Inspection Services
 - c) Low Voltage & Security System Consultant Services

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

December 7 Proposed Board Agenda Items

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

January 8 Proposed Board Agenda Items

- Orange HS Additional Surveying and Mapping Services for the existing path of travel as required by Division of State Architect (DSA) with Penco Engineering
- (Information Item) 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) El Modena HS Design Development Presentation by HED
- (Information Item) Villa Park HS Design Development Presentation by LPA

February 15 Proposed Board Agenda Items

- Program Wide Environmental & Hazardous Materials Consultant Services
- (Tentative) Orange HS Food Service Building Piggyback Contract
- (Tentative) Villa Park HS Interim Housing Building Piggyback Contract
- (Tentative) Canyon HS Interim Housing Building Piggyback Contract
- (Information Item) Canyon HS Design Development Presentation by gkkworks
- (Information Item) Measure S Bond Program Update

March 8 Proposed Board Agenda Items

- (Information Item) Measure S Bond Program Update



2.0 PROJECT STATUS REPORT



Canyon High School
New STEM Building

CANYON HIGH SCHOOL



EL MODENA SCIENCE CENTER

Overall View

HED



Orange High School Science Center





CANYON HS SCIENCE CENTER

- 12 Laboratory Rooms
- 12 General Classrooms
- Student Services
- New Food Services

- New Multi-Purpose Room Entry
- Parking Lot Improvements
- Infrastructure Upgrade and Improvements
- Landscape Improvements

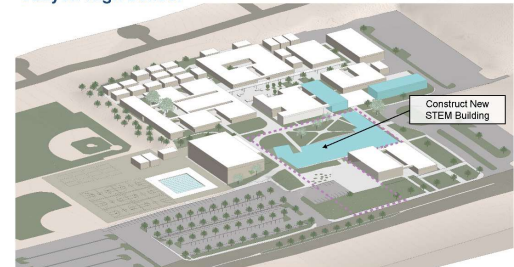
Project Update:

- The Architect continues the Design Development phase and is scheduled to issue the 100% Design Development Package on 12/26.
- (11/17) – The Program Manager has requested the Food Service Building Lease proposal for District Action. Additional Food Services requirements are also anticipated due to restructuring the Construction Bid Packages.
- (11/3) – The Design Team is restructuring the Construction Bid Packages to include the relocation of Food Services into a temporary building rather than relocating administration to a temporary building. This will also save approximately \$1M because administration will remain in its current location until after completion of the new science building.
- (11/3) – Gkkworks has been scheduled to present the Design Development Design at the Feb 15th Board Meeting.
- (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.
- (10/12) – The District approves an option developed by the Architect and the Construction Manager to save Temporary Housing costs for the Administrative Staff by relocating food service as opposed to administration.

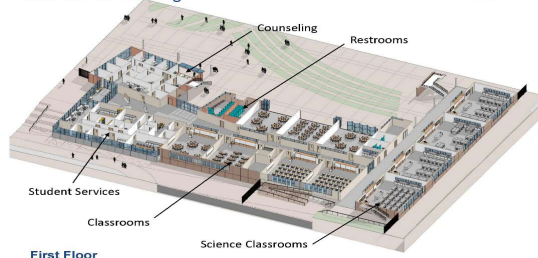
Canyon High School
New STEM Building



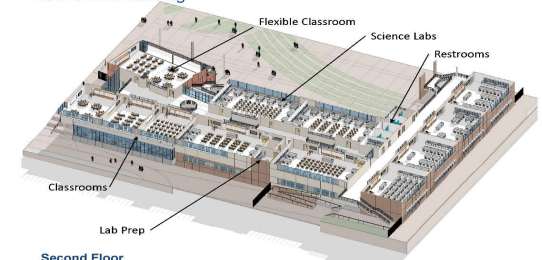
Canyon High School



Canyon High School
New STEM Building



Canyon High School
New STEM Building



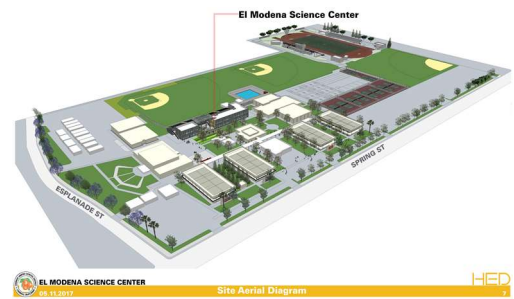


EL MODENA HS SCIENCE CENTER

- | | |
|---|--|
| <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 continues preparing the Construction Document submittal. The 100% Design is scheduled for submittal to DSA on 1/15/18.
- (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.
- (11/17) – The Architect is preparing to submit the 50% Construction Document package on 12/15.
- (11/3) – The District Maintenance and the Program Manager continue review of the Design Development Package. Completion of the additional Topography Survey Services as required by the Architect has been advanced to the Nov 9th Board Agenda for approval.
- (11/3) – HED has been scheduled to present the Design Development Design at the Jan 18th Board Meeting.





ORANGE HS SCIENCE CENTER

- 12 Laboratory Rooms
- 1 General Classrooms
- 2 Medically Fragile Classrooms

- New Panther Pavilion Plaza
- Relocation (5) and Demolition (4) of portable classroom buildings
- Site Utility & Infrastructure Upgrade

Project Update:

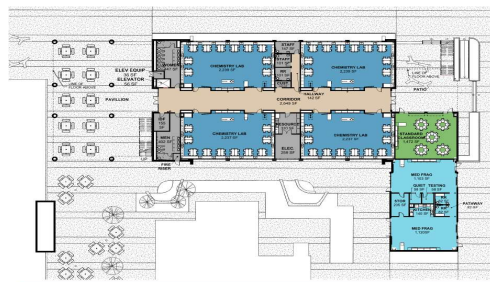
- The Architect continues preparing the Construction Document submittal. The Package 2 100% Design is scheduled for submittal to DSA on 1/15/18.
- (11/30) – The proposed cost for the construction of the factory-assembled modular Snack Bar was becoming comparable to that of a conventional building. The District, Architect, CM, and PM are evaluating options to determine if there are more cost effective alternatives.
- (11/27, 11/13, 10/30, 10/16, 10/3, 9/18 & 8/28) – The District, Program Manager, Architect & Construction met to review the design progress, constructability and value engineering issues.
- (11/20) – The Architect is incorporating DSA's comments on the Interim Housing Package 1 Submittal, submitted to DSA on 10/17 and returned by DSA with comments on 11/20.
- (11/17) – The deadline for receipt of the final proposal for the installation of Interim Housing is 11/21. Concurrently, the District and Program Manager are investigating the construction of the Snack Bar as a stand-alone building and removing the time constraint that drove the initial program action. Final action to be determined.
- (11/3) – The Architect issued their 100% Design Development submittal, which has been reviewed by the District and Program Manager.
- (11/3) – Lionakis has been scheduled to present the Design Development Design at the Dec 7th Board Meeting.
- (10/24) – The Architect submitted the 100% Construction Documents for Interim Housing to DSA for review and approval (DSA Application #04-116673).



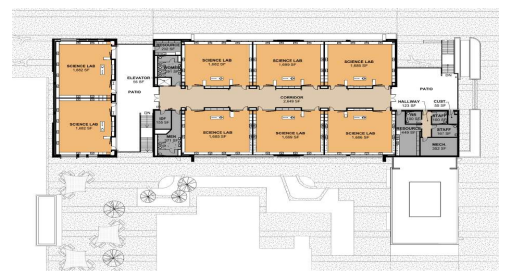
Orange High School Science Center



Orange High School Science Center



Science Center Ground Floor Plan



Science Center Second Floor Plan



VILLA PARK HIGH SCHOOL

SCHOOL OF EXCELLENCE

VILLA PARK HS SCIENCE CENTER

- 12 Laboratory Rooms
- 2 General Classrooms
- 2 Medically Fragile Classrooms

- Demolish existing building 300
- Install 10 New Portable Buildings

Project Update:

- The Architect continues preparing the 50% Construction Document submittal. The Package 1 100% Design for Interim Housing is scheduled for submittal to DSA on 12/15/17. The Package 2 100% Design is scheduled for submittal to DSA on 2/15/18 (estimated).
- (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.
- (11/17) - The Architect is preparing to submit the 100% Design for Interim Housing to DSA during the first week of December.
- (11/3) – The location for the Interim Housing Relocatable Buildings is under review by DSA as per FEMA Flood Plain Maps.
- (11/3) – LPA has been scheduled to present the Design Development Design at the Jan 18th Board Meeting.
- (10/27) – The District replied by letter to the City of Villa Park in response to their letter dated September 20, 2017 outlining a few concerns/questions.
- (10/23) – The Architect identified conflict issues with respect the FEMA100-year flood plain map impacting the identified location of the interim housing relocatable classrooms. District staff is exploring options to reduce the number of classrooms as well as their relocation to another part of the campus. Discussions with site administration are taking place the week of October 30
- (10/4) – The Architect issued their 100% Design Development submittal, which is under review by the District and Program Manager.



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 November 2017

QSS Data thru 11/30/17

	"A"	"B"	"C"	"D = A-B-C"
	Estimated Cost	Expended	Committed Balance / Encumbered	Balance
Allocated Funds				
1. Design Cost	\$9,605,657	\$2,837,349	\$6,768,307	\$0
2. Construction Cost	\$134,410,138	\$0	\$49,116	\$134,361,022
3. Program and Construction Management	\$12,706,689	\$939,948	\$8,151,676	\$3,615,065
* 4. Construction Support Costs	\$21,785,428	\$267,085	\$183,198	\$21,335,145
5. Contingency (Escalation, Construction, Project)	\$29,337,488	\$0	\$0	\$29,337,488
	\$207,845,399	\$4,044,382	\$15,152,297	\$188,648,719
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	\$4,044,382	\$15,152,297	\$268,803,320

** 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 November 2017

QSS Data thru 11/30/17

	"A"	"B"	"C"	"D = A-B-C"
	Estimated Cost	Expended	Committed Balance / Encumbered	Balance
Canyon High School				
390-9520 Canyon HS Science Center				
1. Design Cost	\$3,211,555	\$449,100	\$2,762,455	\$0
2. Construction Cost	\$45,638,681	\$0	\$0	\$45,638,681
3. Program and Construction Management	\$4,240,089	\$311,313	\$2,719,588	\$1,209,188
* 4. Construction Support Costs	\$7,420,851	\$64,902	\$35,068	\$7,320,881
5. Contingency (Escalation,Construction,Project)	\$8,988,824	\$0	\$0	\$8,988,824
	\$69,500,000	\$825,315	\$5,517,111	\$63,157,574
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	\$825,315	\$5,517,111	\$65,657,574

El Modena High School

391-9520 El Modena HS Science Center				
1. Design Cost	\$1,942,769	\$824,406	\$1,118,363	\$0
2. Construction Cost	\$27,866,000	\$0	\$0	\$27,866,000
3. Program and Construction Management	\$2,788,026	\$238,122	\$1,849,752	\$700,152
* 4. Construction Support Costs	\$4,461,347	\$38,002	\$48,975	\$4,374,370
5. Contingency (Escalation,Construction,Project)	\$3,698,669	\$0	\$0	\$3,698,669
	\$40,756,811	\$1,100,530	\$3,017,090	\$36,639,191
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	\$1,100,530	\$3,017,090	\$67,882,380

* 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 November 2017

QSS Data thru 11/30/17

	"A"	"B"	"C"	"D = A-B-C"
	Estimated Cost	Expended	Committed Balance / Encumbered	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	\$0	\$49,116	\$33,628,112
3. Program and Construction Management	\$2,879,009	\$162,857	\$1,799,660	\$916,492
* 4. Construction Support Costs	\$5,475,917	\$110,150	\$52,800	\$5,312,967
5. Contingency (Escalation,Construction,Project)	\$8,092,229	\$0	\$0	\$8,092,229
	\$52,388,588	\$1,367,798	\$3,070,991	\$47,949,800
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	\$1,367,798	\$3,070,991	\$67,561,212
Villa Park High School				
394-9520 Villa Park HS Science Center				
1. Design Cost	\$2,187,127	\$469,053	\$1,718,075	\$0
2. Construction Cost	\$27,228,229	\$0	\$0	\$27,228,229
3. Program and Construction Management	\$2,799,565	\$227,656	\$1,782,676	\$789,233
* 4. Construction Support Costs	\$4,427,313	\$54,031	\$46,355	\$4,326,927
5. Contingency (Escalation,Construction,Project)	\$8,557,766	\$0	\$0	\$8,557,766
	\$45,200,000	\$750,739	\$3,547,106	\$40,902,155
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	\$750,739	\$3,547,106	\$67,702,155
Total Bond Program	\$288,000,000	\$4,044,382	\$15,152,297	\$268,803,320

* See Attachment for Details



ATTACHMENT

*** Construction Support Costs**

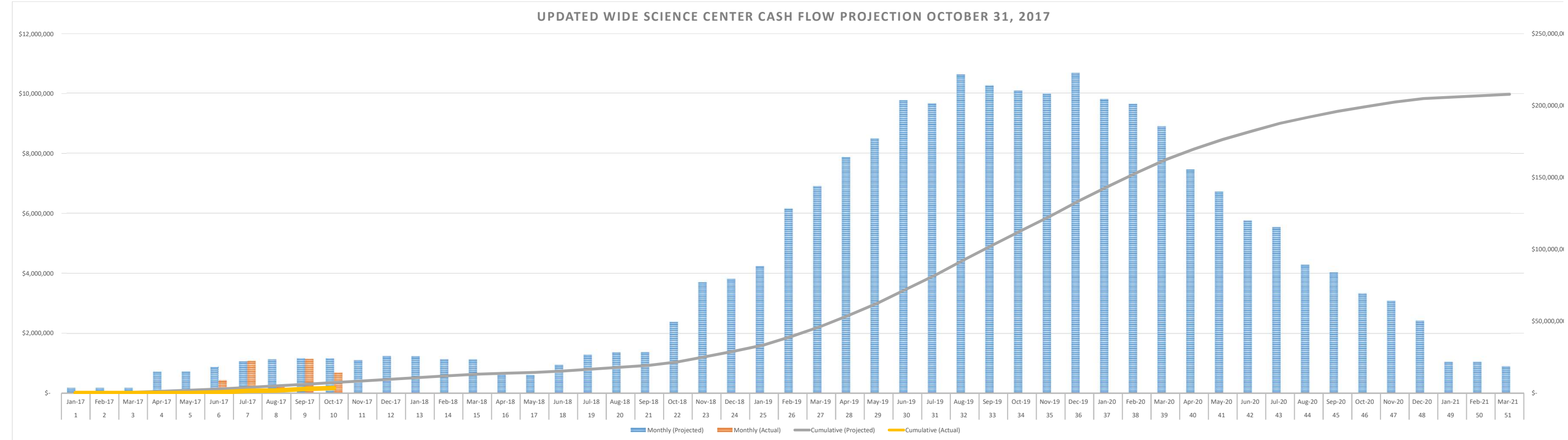
Commissioning
DSA Construction Phase Testing / LOR
DSA Inspection
DSA Review Fees
FFE (Laboratory Tables and Chairs, other)
IT Technology Infrastructure
Labor Compliance
Legal Council
Miscellaneous Fees (QCC Expended)
OICP-Builders Risk Insurance
Postage, Printing Advertising
Preliminary Testing (Hazmat,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



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Totals	Jan-17 (A)	Feb-17 (A)	Mar-17 (A)	Apr-17 (A)	May-17 (A)	Jun-17 (A)	Jul-17 (A)	Aug-17 (A)	Sep-17 (A)	Oct-17 (A)	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	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									

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Totals	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	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

	39	40	41	42	43	44	45	46	47	48	49	50	51
Totals	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	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	Q2
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	Q4	Q1	Q2
<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><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