



# ORANGE UNIFIED SCHOOL DISTRICT

## Measure S Bond Program

### January 2018 Monthly Progress Report



**PERIOD COVERED:**

January 1-31, 2018

**FISCAL YEAR**

FY 2017-2018

**PROGRESS REPORT NO.**

PR-007-1718-007

**PREPARED BY:**

**CUMMING**  
Building Value Through Expertise



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## 1.0 SUMMARY

### 1.1 Program Summary

The Design phase continues. The Orange High School, El Modena High School and Villa Park High School designs are approximately 90% complete while the Canyon High School design is approximately 60% complete. The Canyon High School Architects is scheduled to present the Science Center design on February 15<sup>th</sup> to the Board of Education. The El Modena High School and Villa Park High School Architects presented the Science Center designs on January 18<sup>th</sup> and Orange High School Architects presented the Science Center designs on December 7<sup>th</sup> to the Board of Education. The first physical work for the Bond Program was also completed during the Winter Break 2017 by the District's Maintenance & Operations Department by demolition of Portable Buildings T-20, 21, 22, 23 & 24 at Orange High School. The project designs and presentations to the Board of Education for each project are available for review with each project at the Bond Website, <https://www.orangeusd.org/measureS/>

### 1.2 Program Highlights/Key Milestones

#### January 8 Approved 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
- Measure S Bond Program Update (Information Item)

#### January 18 Approved 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 HS Architectural Design Services Revision for Satellite Kitchen (Snack Bar)
- Canyon HS Interim Housing Building Piggyback Contract
- Villa Park HS Interim Housing Building Piggyback Contract
- El Modena HS Design Development Presentation by HED (Information Item)
- Villa Park HS Design Development Presentation by LPA (Information Item)

#### Contractor Pre-Qualification

- On 1/24, the District issued the first advertisement of the Pre-qualification Application for submittal by General Contractors and Mechanical, Electrical and Plumbing Subcontractors.
- On 1/18, the District's Board of Education approved the Resolution Adopting the Prequalification Process for General Contractors and Mechanical, Electrical and Plumbing Subcontractors.



**Program Management Plan (PMP)**

- On 1/31, the Program Manager issued the 90% Draft PMP. The final PMP is scheduled to be issued by 2/16.
- On 1/18, the Program Manager issued the 75% Draft PMP which describes the general procedures to be adopted by the District, Architects and Construction Managers for the Measure S Capital Facilities Program. The purpose of the PMP is to:
  - Define all procedural matters relating to the design, procurement and construction of the projects for the District's Measure S Program; and
  - Provide written procedures and systems for quality control purposes for use by all Measure S Consultants and/or Contractors.

**Communications Plan**

- Program Manager is preparing an outline Communications Plan to be issued by mid-February.
- On 1/24, the District & Program Manager reviewed the approach for completion of the Communications Plan, which will also include a Business Outreach Plan to interest contractors in the Measure S Bond projects.
- On 1/24, the District finalized the banners for Orange High School, El Modena High School and Villa Park High School. The Canyon High School banner will be finalized upon completion of its updated rendering by the Architect, which is anticipated in mid-February.

**Citizens' Oversight Committee (COC)**

- COC Meeting #4 has been scheduled for 2/5. The District and Program Manager have prepared a reconciliation of the Program Budget in Summary and by Project with Actual Expenses through 12/31/17 in comparison with the Measure S Audit for FY 2016/17 prepared by Christy White and Associates for review by the COC. The District and Program Manager have also prepared a draft annual report for review by the COC.
- On 1/24, COC Meeting #3 was completed and included a review of the FY 2016/17 Financial Audit. The District and Program Manager presented the Program Budget Summary (Budget vs. Actuals – Program Detail, By Budget Category) through 12/31/17, Updated Measure S Program Highlights and the December 2017 Report, including the Program Schedule and Cash Flow Projection.
- On 9/6, COC Meeting #2 was completed and the District and Program Manager 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.
- COC Meeting #1 was completed on 5/24/17.



**Program Wide Low Voltage & Security System**

- Delivery of the Standard Specifications for the Low Voltage and Security Systems is anticipated by 2/5.
- A Request for Proposal will be issued to approve the award of Program Wide Low Voltage and Security System Design Services Consultant agreement is anticipated for the 4/12 Board of Education Meeting.
- On 12/7, the Board approved the award of Program Wide Low Voltage & Security System Consultant Services with Lionakis.

**Program Wide Environmental & Hazardous Materials Consultant Services**

- The Program Manager, Architect and Construction Manager are finalizing the scope of work at Orange HS for the Hazardous Materials Testing & Inspections firms to complete their proposals.
- On 1/18, the District's Board of Education approved the authorization of five firms ("bench") to provide Environmental & Hazardous Materials services on an as-needed basis:
  - A-Tech Consulting, Inc.
  - Bainbridge Environmental Consultants
  - Environmental Network Corporation, dba ENCORP
  - Group Delta
  - Ninyo & Moore Geotechnical & Environmental Sciences Consultants
  - Vista Environmental Consulting, Inc.
- On 12/22, the Program Manager issued a recommendation to approve the establishment of a "bench" with 6 firms for review and approval during the January 18<sup>th</sup> 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 solicitation is scheduled to be issued on 2/1 for DSA Inspection Services for Orange High School Infrastructure Upgrades.
- On 1/18, the District's Board of Education approved the authorization of five firms ("bench") to provide DSA Inspector of Record services on an as-needed basis:
  - Inspection Service of California, Inc., dba BPI Inspection Service
  - Knowland Construction Services
  - Sandy Pringle Associates Inspection Consultants
  - Stephen Payte DSA Inspections, Inc.
  - TYR, Inc.
  - Vital Inspection Services Inc.
- On 11/17, the Program Manager issued a recommendation to approve the establishment of a "bench" with 6 firms for review and approval during the January 18<sup>th</sup> Board Meeting.
- On 11/3, the District received 16 submittals from the prospective DSA Inspection Services firms.



**Program Wide Owner's Controlled Insurance Program (OCIP) Services**

- On 1/31, three OCIP providers responded to the District's Request for Proposal (RFP).
- On 1/22, the District issued the RFP to three OCIP providers (ASCIP, Alliant Insurance Services and Keenan), with a 1/31 deadline for submittal of proposals.
- A comparative analysis will be completed by review of the OCIP proposals to determine whether OCIP insurance services would be more beneficial to the District than traditional contractor provided insurance services.

**Program Wide California Environmental Quality Act (CEQA) Consultant Services**

- The District's CEQA Consultants (PlaceWorks & Environmental Audit) are preparing CEQA compliance reports (subject to final determination) as follows:
  - Canyon HS – Mitigated Negative Declaration (Environmental Audit)
  - El Modena HS – Notice of Exemption (PlaceWorks)
  - Orange HS – Notice of Exemption (Environmental Audit)
  - Villa Park HS – Negative Declaration (PlaceWorks)

**Program Wide Commissioning Services**

- The Program Manager response to the Commissioning Agent's comments on the Orange High School Basis of Design and Commissioning Specifications is anticipated on 2/1. The Program Manager also approved the Owner's Project Requirements (OPR) for Orange High School in accordance with the District's review.
- On 1/31 and 1/24 respectively, the El Modena High School and Orange High School Architects replied to Commissioning Agent's OPR Questionnaire.
- On 1/29, the Commissioning Agent issued the Draft OPR for Orange High School for the District's review and comment.
- On 12/28, the Program Manager issued the OPR Questionnaire to the Architects.

**Program Wide Standard Specifications**

- The final specifications will be issued on a project-by-project basis and incorporate comments by the Architects and Construction Managers.
- 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.



**Program Wide DSA Construction Material Testing & Geo-Technical Services**

- The solicitation is scheduled to be issued on 2/1 for DSA Construction Material Testing & Geo-Technical Services at Orange High School Infrastructure Upgrades.
- On 1/18, the District's Board of Education approved the authorization of five firms ("bench") to provide DSA Construction Material Testing & Geo-Technical services on an as-needed basis:
  - American Engineering Laboratories, Inc.
  - Koury Engineering & Testing, Inc.
  - Ninyo & Moore Geotechnical & Environmental Sciences Consultants
  - Smith-Emery Laboratories
  - United Testing Corporation, dba United-Heider Inspection Group
- On 11/17, the Program Manager issued a recommendation to approve the establishment of a "bench" with 5 firms for review and approval during the January 18<sup>th</sup> Board Meeting.
- On 11/3, the District received 14 submittals from the prospective DSA Laboratory & Geo-Technical Services firms.

**Orange High School Site Infrastructure Upgrades**

- Construction is scheduled to start in June 2018 for the Site Infrastructure Upgrades.
- The District's Maintenance & Operations Department is scheduled to remove seven trees in February 2018 where the Main Switchgear is to be located and to modify and recommission the Rear Service Windows at the Main Kitchen scheduled in June 2018.
- A Board Agenda Item is planned for the 3/8 Board of Education Meeting to Order the Main Switchgear as an Owner Furnished Contractor Installed (OFCI) item by April 2018 and to award the construction contract in May 2018.
- On 1/3, 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.

**Villa Park High School Interim Housing & Site Infrastructure Upgrades**

- Construction is scheduled to start in September 2018, subject to CEQA and DSA approval.
- DSA continues review of the 100% Construction Documents. DSA approval is anticipated in early March 2018.
- On 12/15, the Architect submitted the 100% Construction Documents to DSA.

**Canyon High School Science Center**

- Construction is scheduled to start in May 2019 and includes food services, site infrastructure upgrades and the STEM Building.
- 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.





### **Orange High School Interim Housing**

- Construction is scheduled to start and be completed during the Winter Break for the Relocatable Building Move, subject to CEQA approval.

### **1.3 Look Ahead (next 90 days)**

- Management of Design progress, per the following schedule:
  - DSA Approval for the Orange High School Interim Housing & Site Infrastructure by early March 2018
  - DSA Approval for the Villa Park High School Interim Housing & Site Infrastructure by early May 2018
  - Design Development Board Meeting Presentation for Canyon High School on 2/15
- Architect's Presentation at Board Meeting for Canyon High School Design Development Phase scheduled on 2/15
- Finalize Program Management Plan (PMP)
- Issue Draft Communications Plan Outline
- Prepare 2/15 and 3/8 Board Agenda Items
- Receive DSA Approval for the Orange High School Interim Housing Design
- Receive DSA Approval for the Villa Park High School Interim Housing Design
- Management of Program Wide Commissioning Services
- Management of Program Wide California Environmental Quality Act (CEQA) Services
- Review Contractor Prequalification Applications and Contractor Outreach
- Issue & Execute 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**

#### **February 15 Tentative**

- Annual Report of the Citizens' Oversight Committee (COC)
- Canyon HS Design Development Presentation by gkkworks (Information Item)

#### **March 8 Tentative**

- Owner Furnished Contractor Installed (OFCI) Electrical Switchgear for Orange High School
- California Environmental Quality Act (CEQA) Notice of Exemption at Orange High School
- California Environmental Quality Act (CEQA) Notice of Exemption at El Modena High School
- Authorization to Bid Orange High School Site Infrastructure Upgrades
- Measure S Bond Program Update (Information Item)





**April 12 Tentative**

- Program Wide Low Voltage and Security System Design Services Consultant
- California Environmental Quality Act (CEQA) Negative Declaration at Villa Park High School
- Measure S Bond Program Update (Information Item)

**May 10 Tentative**

- California Environmental Quality Act (CEQA) Negative Declaration Canyon High School
- Award Construction Contract for Orange High School Site Infrastructure Upgrades
- Measure S Bond Program Update (Information Item)

**May 24 Tentative**

- TBD

**June 7 Tentative**

- Owner Furnished Contractor Installed (OFCI) Electrical Switchgear El Modena High School
- Owner Furnished Contractor Installed (OFCI) Electrical Switchgear Canyon High School
- Award Construction Contract for Villa Park High School Site Increment I - Relocatables
- Measure S Bond Program Update (Information Item)



## 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

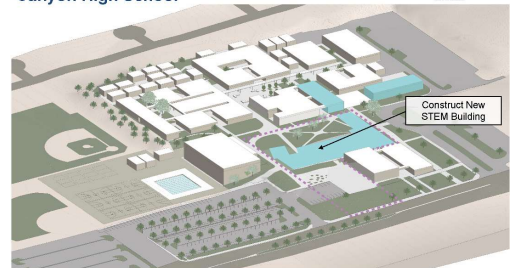
### Project Update:

- (1/26) – The District continues review of the 100% Design Development Package.
- (12/22) – 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.
- (12/19) – The Program Manager, Design Team and Construction Manager reviewed the Construction Bid Package to ensure quality.
- (11/3) – The Design Development Presentation by the Architect to the Board and the public is scheduled for the Feb 15<sup>th</sup> Board Meeting.

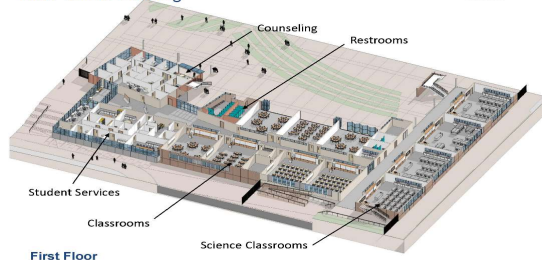
Canyon High School  
New STEM Building



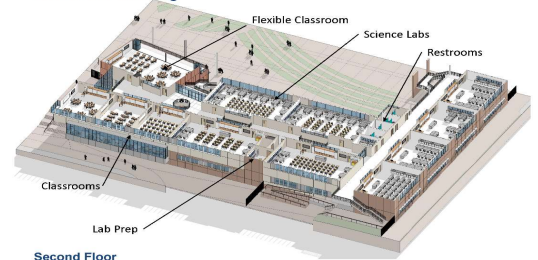
Canyon High School



Canyon High School  
New STEM Building



Canyon High School  
New STEM Building





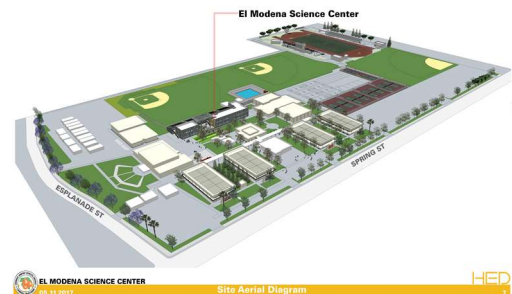


## EL MODENA HS SCIENCE CENTER

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

### Project Update:

- (1/26) – The Architect has submitted the 95% Construction Documents to the District for review and comment. The DSA submittal date is estimated at 3/6/18.
- (1/24, 1/10, 11/30, 11/1, 10/18, 10/4, 9/20 & 8/23) – The District, Program Manager, Architect & Construction Manager met to review the design progress, constructability and value engineering issues.
- (1/18) – The Architect completed the Design Development Presentation to the Board of Education and the public during the Jan 18<sup>th</sup> Board Meeting.
- (1/16) – The Program Manager & Construction Manager met to review the Scoreboard location and scope of work.
- (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.
- (11/3) – The Design Development Presentation by the Architect to the Board and the public is scheduled for the Jan 18<sup>th</sup> Board Meeting.





## ORANGE HS SCIENCE CENTER

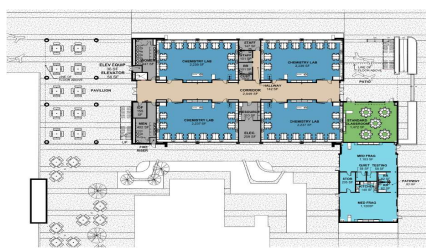
- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• 12 Laboratory Rooms</li> <li>• 1 General Classrooms</li> <li>• 2 Medically Fragile Classrooms</li> </ul> | <ul style="list-style-type: none"> <li>• New Panther Pavilion Plaza</li> <li>• Relocation (5) and Demolition (4) of portable classroom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

### Project Update:

- (1/26) – DSA continues review of the 95% Construction Documents for Interim Housing & Site Infrastructure Upgrades (DSA Package #1), which will also include the Satellite Kitchen. DSA Approval is anticipated in March 2018.
- (1/25) – The Architect submitted the 95% Construction Documents for the STEM Building (DSA Package #2) to DSA on 1/25. DSA Approval is anticipated Sep 2018.
- (1/22, 11/27, 11/13, 10/30, 10/16, 10/3, 9/18 & 8/28) – The District, Program Manager, Architect & Construction Manager met to review the design progress.
- (1/18) – The District, Program Manager, Architect & Construction Manager met to review the Audio/Visual and Low Voltage Design.
- (1/11) – The District, Program Manager, Architect & Construction Manager have agreed to revise the sequence of work as follows:
  - Start Construction Summer 2018 – Electrical Service/Infrastructure Upgrades and Electrical Yard Utility Infrastructure Upgrade
  - Start Construction Late Summer/Fall 2018 – Bus Drop-off, Satellite Kitchen and Interior Utility Infrastructure, Relocatable Infrastructure and Girls Restroom Remodel & ADA Upgrades at 500A Building
  - Complete Winter Break 2018 - Relocatable Move, Old Snack Bar Demolition
  - Start Construction Late 2018/Early 2019 – STEM Building
- (12/7) – The Architect completed the Design Development Presentation to the Board of Education and the public during the Dec 7<sup>th</sup> Board Meeting.



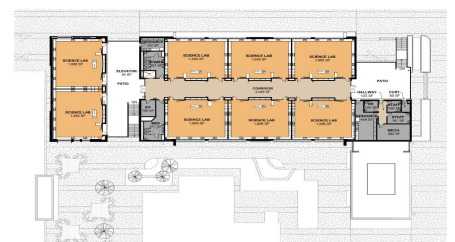
Orange High School Science Center



Science Center Ground Floor Plan



Orange High School Science Center



Science Center Second Floor Plan



## VILLA PARK HS SCIENCE CENTER

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

### Project Update:

- (1/26) – DSA continues review of the DSA Submittal Package #1 Interim Housing and Site Infrastructure Upgrades.
- (1/26) – The Architect continues preparing the 95% Construction Documents for the STEM Building. The 95% Construction Documents for DSA Submittal Package #2 are scheduled for submittal to DSA on 2/15/18 (estimated).
- (1/18) – The Architect completed the Design Development Presentation to the Board of Education and the public during the Jan 18<sup>th</sup> Board Meeting.
- (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).
- (1/8, 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.



### 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 January 2018

QSS Data thru 1/31/18

	"A"	"B"	"C"	"D = A-B-C"
	Estimated Cost	Expended	Committed Balance / Encumbered	Balance
<b>Allocated Funds</b>				
1. Design Cost	\$9,679,947	\$4,725,260	\$4,954,687	\$0
2. Construction Cost	\$134,410,138	\$4,316	\$72,917	\$134,332,905
3. Program and Construction Management	\$12,706,686	\$1,388,103	\$7,703,521	\$3,615,062
* 4. Construction Support Costs	\$22,551,791	\$767,187	\$1,241,893	\$20,542,711
5. Contingency (Escalation, Construction, Project)	\$28,496,837	\$0	\$0	\$28,496,837
	<b>\$207,845,399</b>	<b>\$6,884,866</b>	<b>\$13,973,018</b>	<b>\$186,987,515</b>
<b>Unallocated Funds</b>				
1. Unallocated Bond Funds	\$80,154,601	\$0	\$0	\$80,154,601
	<b>\$80,154,601</b>	<b>\$0</b>	<b>\$0</b>	<b>\$80,154,601</b>
<b>Total Bond Program</b>	<b>\$288,000,000</b>	<b>\$6,884,866</b>	<b>\$13,973,018</b>	<b>\$267,142,116</b>

\*\* 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 January 2018

QSS Data thru 1/31/18

	"A"	"B"	"C"	"D = A-B-C"
	Estimated Cost	Expended	Committed Balance / Encumbered	Balance
<b>Canyon High School</b>				
<b>390-9520 Canyon HS Science Center</b>				
1. Design Cost	\$3,222,114	\$1,274,363	\$1,947,751	\$0
2. Construction Cost	\$45,638,681	\$0	\$0	\$45,638,681
3. Program and Construction Management	\$4,240,088	\$397,236	\$2,633,665	\$1,209,187
* 4. Construction Support Costs	\$7,659,116	\$66,212	\$372,082	\$7,220,822
5. Contingency (Escalation,Construction,Project)	\$8,740,001	\$0	\$0	\$8,740,001
	<b>\$69,500,000</b>	<b>\$1,737,812</b>	<b>\$4,953,497</b>	<b>\$62,808,691</b>
<b>390-TBD Canyon HS Unallocated Funds</b>				
1. Unallocated Bond Funds	\$2,500,000	\$0	\$0	\$2,500,000
	<b>\$2,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,500,000</b>
<b>Canyon High School</b>	<b>\$72,000,000</b>	<b>\$1,737,812</b>	<b>\$4,953,497</b>	<b>\$65,308,691</b>

## El Modena High School

<b>391-9520 El Modena HS Science Center</b>				
1. Design Cost	\$1,944,828	\$1,244,111	\$700,717	\$0
2. Construction Cost	\$27,866,000	\$0	\$0	\$27,866,000
3. Program and Construction Management	\$2,788,025	\$404,579	\$1,683,295	\$700,151
* 4. Construction Support Costs	\$4,553,757	\$38,078	\$87,907	\$4,427,772
5. Contingency (Escalation,Construction,Project)	\$3,604,201	\$0	\$0	\$3,604,201
	<b>\$40,756,811</b>	<b>\$1,686,767</b>	<b>\$2,471,920</b>	<b>\$36,598,124</b>
<b>391-TBD El Modena HS Unallocated Funds</b>				
1. Unallocated Bond Funds	\$31,243,189	\$0	\$0	\$31,243,189
	<b>\$31,243,189</b>	<b>\$0</b>	<b>\$0</b>	<b>\$31,243,189</b>
<b>El Modena High School</b>	<b>\$72,000,000</b>	<b>\$1,686,767</b>	<b>\$2,471,920</b>	<b>\$67,841,313</b>

\* 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 January 2018

QSS Data thru 1/31/18

	"A"	"B"	"C"	"D = A-B-C"
	Estimated Cost	Expended	Committed Balance / Encumbered	Balance
<b>Orange High School</b>				
<b>392-9520 Orange HS Science Center</b>				
1. Design Cost	\$2,323,819	\$1,239,191	\$1,084,628	\$0
2. Construction Cost	\$33,677,228	\$4,316	\$72,917	\$33,599,995
3. Program and Construction Management	\$2,879,008	\$209,834	\$1,752,683	\$916,491
* 4. Construction Support Costs	\$5,414,353	\$384,934	\$167,849	\$4,861,570
5. Contingency (Escalation,Construction,Project)	\$8,094,180	\$0	\$0	\$8,094,180
	<b>\$52,388,588</b>	<b>\$1,838,274</b>	<b>\$3,078,078</b>	<b>\$47,472,236</b>
<b>392-TBD Orange HS Unallocated Funds</b>				
1. Unallocated Bond Funds	\$19,611,412	\$0	\$0	\$19,611,412
	<b>\$19,611,412</b>	<b>\$0</b>	<b>\$0</b>	<b>\$19,611,412</b>
<b>Orange High School</b>	<b>\$72,000,000</b>	<b>\$1,838,274</b>	<b>\$3,078,078</b>	<b>\$67,083,648</b>
<b>Villa Park High School</b>				
<b>394-9520 Villa Park HS Science Center</b>				
1. Design Cost	\$2,189,186	\$967,595	\$1,221,591	\$0
2. Construction Cost	\$27,228,229	\$0	\$0	\$27,228,229
3. Program and Construction Management	\$2,799,565	\$376,454	\$1,633,878	\$789,233
* 4. Construction Support Costs	\$4,924,565	\$277,964	\$614,054	\$4,032,547
5. Contingency (Escalation,Construction,Project)	\$8,058,455	\$0	\$0	\$8,058,455
	<b>\$45,200,000</b>	<b>\$1,622,013</b>	<b>\$3,469,523</b>	<b>\$40,108,464</b>
<b>394-TBD Villa Park HS Unallocated Funds</b>				
1. Unallocated Bond Funds	\$26,800,000	\$0	\$0	\$26,800,000
	<b>\$26,800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$26,800,000</b>
<b>Villa Park High School</b>	<b>\$72,000,000</b>	<b>\$1,622,013</b>	<b>\$3,469,523</b>	<b>\$66,908,464</b>
<b>Total Bond Program</b>	<b>\$288,000,000</b>	<b>\$6,884,866</b>	<b>\$13,973,018</b>	<b>\$267,142,116</b>

\* See Attachment for Details



## **ATTACHMENT**

### **\* Construction Support Costs**

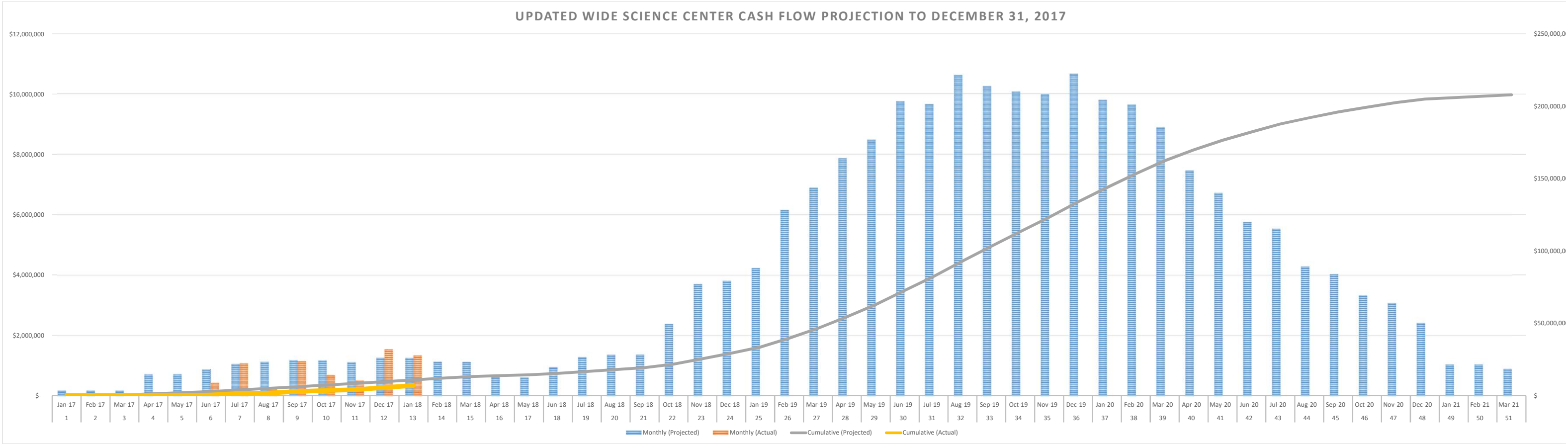
Commissioning  
DSA Construction Phase Testing / LOR  
DSA Inspection  
DSA Review Fees  
FFE (Laboratory Tables and Chairs, other)  
IT Technology Infrastructure  
Labor Compliance  
Legal Counsel  
Miscellaneous Fees (QCC Expended)  
Builders Risk Insurance  
Postage, Printing Advertising  
Preliminary 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 JANUARY 31, 2018



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	\$ 1,317,281						
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	\$ 6,884,866						
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	\$ 4,015,261						


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

<div></div>		OUSD Program Summary Schedule					Data Date:31-Jan-18																			
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		1273	953	08-Nov-16 A	24-Sep-21	0																				
📁 OUSD Orange High School		866	558	08-Nov-16 A	16-Apr-20	0																				
📁 Project Summary & Milestones		866	558	08-Nov-16 A	16-Apr-20	0																				
📁 Design / Agency Review		274	148	23-Aug-17 A	29-Aug-18	-12																				
📁 Design / Agency Review for Bid 1		145	19	23-Aug-17 A	27-Feb-18	9																				
📁 Design / Agency Review for Bid 2		221	148	23-Aug-17 A	29-Aug-18	-12																				
📁 Bid and Award		254	199	06-Dec-17 A	07-Dec-18	-12																				
📁 Bid and Award Bid 1		125	70	06-Dec-17 A	05-Jun-18	9																				
📁 Bid and Award Bid 2		191	191	08-Mar-18	07-Dec-18	-12																				
📁 District Procurement		53	42	30-Jan-18 A	30-Mar-18	88																				
📁 Construction Bid #1		66	66	30-May-18	30-Aug-18	409																				
📁 Utilities and Infrastructure		66	66	30-May-18	30-Aug-18	409																				
📁 Snack Bar		50	50	05-Jun-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	03-Dec-18	14-Jan-20	2																				
📁 STEM Building		279	279	03-Dec-18	14-Jan-20	2																				
📁 Site Improvement		47	47	14-Jun-19	20-Aug-19	0																				
📁 Closeout / Commissioning		375	375	06-Aug-18	03-Feb-20	-12																				
📁 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	01-Oct-19	08-Jan-20	6																				
📁 Closeout Bid 2		20	20	06-Jan-20	03-Feb-20	-12																				
📁 OUSD Canyon High School		1160	952	01-Mar-17 A	24-Sep-21	0																				
📁 Program-Wide		1084	876	01-Mar-17 A	10-Jun-21	76																				
📁 Design		432	250	23-May-17 A	16-Jan-19	702																				
📁 Schematic Design		117	0	23-May-17 A	09-Oct-17 A																					
📁 Design Development		82	0	14-Sep-17 A	31-Jan-18 A																					
📁 50% Construction Documents		63	40	26-Jan-18 A	28-Mar-18	0																				
📁 100% Construction Documents		210	210	29-Mar-18	16-Jan-19	702																				
📁 DSA Review & Approval		165	165	03-May-18	19-Dec-18	0																				
📁 STEM Building/MP Renovation/Parking/Drop-Off + Kitchen		165	165	03-May-18	19-Dec-18	0																				
📁 Bid and Award		134	134	06-Nov-18	10-May-19	620																				
📁 STEM Building/MP Renovation/Parking/Drop-Off + Kitchen		134	134	06-Nov-18	10-May-19	620																				
📁 Construction		610	610	13-May-19	10-Sep-21	10																				
📁 STEM Building/MP Renovation/Parking/Drop-Off + Kitchen		610	610	13-May-19	10-Sep-21	10																				
📁 Furniture, Fixtures & Equipment		130	130	29-Mar-21	24-Sep-21	0																				
📁 STEM Building/MP Renovation/Parking/Drop-Off + Kitchen		130	130	29-Mar-21	24-Sep-21	0																				
📁 Commissioning		230	230	26-Oct-20	10-Sep-21	0																				
📁 STEM Building/MP Renovation/Parking/Drop-Off + Kitchen		230	230	26-Oct-20	10-Sep-21	0																				
📁 Closeout		180	180	18-Jan-21	24-Sep-21	0																				
<div><div><div></div><div>Actual Level of Effort</div></div><div><div></div><div>Actual Work</div></div><div><div></div><div>Remaining Work</div></div><div><div></div><div>Critical Remaining Work</div></div><div><div></div><div>Milestone</div></div><div><div></div><div>summary</div></div></div>		TASK filter: All Activities												© Oracle Corporation												



## OUSD Program Summary Schedule

Data Date:31-Jan-18

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	18-Jan-21	24-Sep-21	0																		
	OUSD Villa Park High School	990	759	14-Mar-17 A	28-Dec-20	-26																		
	Interim Housing	443	319	10-Aug-17 A	22-Apr-19	414																		
	Design	123	2	10-Aug-17 A	01-Feb-18	731																		
	DSA Review and Approval	77	77	12-Feb-18	29-May-18	648																		
	Bid and Award	98	98	27-Apr-18	11-Sep-18	573																		
	Construction	309	309	31-Jan-18	08-Apr-19	424																		
	Commissioning	5	5	31-Jan-18	06-Feb-18	728																		
	FF&E	0	0	31-Jan-18	31-Jan-18	733																		
	Closeout	319	319	31-Jan-18	22-Apr-19	414																		
	Science Center	990	759	14-Mar-17 A	28-Dec-20	-26																		
	Design	305	74	14-Mar-17 A	14-May-18	659																		
	DSA Review and Approval	348	348	31-Jan-18	31-May-19	385																		
	Bid and Award	84	84	14-May-19	06-Sep-19	315																		
	Construction	719	719	31-Jan-18	02-Nov-20	14																		
	Commissioning	0	0	31-Jan-18	31-Jan-18	733																		
	FF&E	0	0	31-Jan-18	31-Jan-18	733																		
	Closeout	759	759	31-Jan-18	28-Dec-20	-26																		
	OUSD EI Modena High School	1094	830	16-Jan-17 A	13-May-21	0																		
	Management	1053	837	16-Jan-17 A	13-May-21	0																		
	Design	315	51	16-Jan-17 A	12-Apr-18	779																		
	Conceptual Design	42	0	16-Jan-17 A	14-Mar-17 A																			
	Schematic Design (SD)	118	0	15-Mar-17 A	31-May-17 A																			
	Design Development (DD)	209	43	22-Jun-17 A	02-Apr-18	129																		
	50% Construction Documents (50% CD)	50	0	23-Oct-17 A	22-Jan-18 A																			
	100% Construction Documents (100% CD)	86	51	11-Dec-17 A	12-Apr-18	779																		
	DSA Review & Approval	289	138	06-Sep-17 A	25-Oct-18	642																		
	DSA Permit	289	138	06-Sep-17 A	25-Oct-18	642																		
	Building Permits	30	30	30-Jul-18	10-Sep-18	32																		
	Bid & Award	168	168	22-Jun-18	21-Feb-19	2																		
	Construction	474	474	22-Feb-19	08-Jan-21	44																		
	Sitework	385	385	22-Feb-19	26-Aug-20	66																		
	Building	474	474	22-Feb-19	08-Jan-21	44																		
	Canopy	50	50	13-Nov-19	27-Jan-20	32																		
	Furniture Fixtures & Equipment (FF&E)	345	345	17-Jun-19	22-Oct-20	118																		
	Commissioning	410	410	15-Mar-19	22-Oct-20	86																		
	Closeout	88	88	11-Jan-21	13-May-21	0																		

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

TASK filter: All Activities

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Facilities & Planning Department  
Measure S Bond Program  
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