



# ORANGE UNIFIED SCHOOL DISTRICT

## Measure S Bond Program

### September 2017 Monthly Progress Report



**PERIOD COVERED:**

September 1 - 30, 2017

**FISCAL YEAR**

FY 2017-2018

**PROGRESS REPORT NO.**

PR-03-1718-003

**PREPARED BY:**

**CUMMING**  
Building Value Through Expertise



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## 1.0 SUMMARY

### 1.1 Program Summary

The Architects continue work on the designs for each project, which are approximately 30% complete. Design Review Meetings have been held every other week by the District and Program Manager to review design progress and cost savings options with their respective Architect and Construction Manager. The District and Program Manager also hosted an all-day meeting on September 21<sup>st</sup> with the District's Maintenance Department to receive their input concerning the Standard Specifications. The Program Manager has also scheduled meetings to review the Program Wide scheduling procedures and the financial and document controls systems (Procore) with all of the Construction Managers. 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

#### September 14 Board Approved Agenda Items

- Program Wide Financial & Document Controls System by Cumming
- Standard Specifications Services by Lionakis
- (Information Item) Monthly Measure S Bond Program Update

#### Program Wide Financial & Document Controls System

- The Program Manager has a scheduled meeting on 10/5 to review the Program Wide Financial & Document Controls System with all Construction Managers.
- 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 within the next 4 to 6 weeks.
- On 9/14, the Program Wide Financial & Document Controls System was approved by the Board.

#### Master Schedule

- The Program Manager has a scheduled meeting on 10/3 to review the Program Wide scheduling procedures with all Construction Managers.
- On 9/22, the Program Manager issued the Monthly Report format for use by the Construction Managers for issuance of their monthly schedule updates, with a 10/1 submittal deadline. The Master Schedule will integrate the updated monthly schedules by the Construction Managers.
- On 9/15, the Program Manager issued a 10-business-day follow up to the Construction Managers for receipt of their Updated Construction Schedule. As of 9/15, the Construction Managers had submitted 1 completed schedule and 1 partially completed schedule.
- On 8/31, the Program Manager issued deliverables based Standard Work Breakdown Structure (WBS) for the Construction Managers to update their Construction Schedules and submit to the Program Manager by 9/8.
- On 6/29, the Program Manager submitted a Preliminary Master Schedule in Excel format the District.



### **Program Wide Commissioning Services**

- On 10/2, the Program Manager is planning to issue the Shortlist Letter to two (2) firms to complete interviews.
- 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 Standard Specifications**

- The Architect continues work on the standard Specifications and is scheduled to submit a draft for review by the District in mid-October.
- 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.

### **Monthly Reports**

- On 9/22, the Program Manager issued the Monthly Report format for use by the Construction Managers for issuance of their monthly project reports and monthly schedule updates, with a 10/1 submittal deadline.

### **Master Budget**

- The Program Manager issued an updated Schematic Design Program Budget with the August 2017 Monthly Report.
- The Program Manager issued the draft Schematic Design Program Budget with the July 2017 Monthly Report.
- On 7/21, the Program Manager issued the draft Budgets for each project, based upon the Schematic Design Construction Cost Estimates, for review and comment by the Construction Managers.

### **Communications Management**

- 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.



**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
  - Contractor Invoices
  - Budget Establishment
  - Informal Bidding
  - Purchase Order Request
  - Allowance Request

**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)**

- 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.
- The next COC meeting is scheduled for 1/24/18.

**Program Wide Cash Flow Projection**

- Based upon current market conditions and the June 21, 2017 Cash Flow Projection, it appears that selling Bonds before September 2018 would not be cost effective.
- An Updated Cash Flow Projection will be issued in October.

**Program Staff**

- On 9/21, a Senior Project Manager was added to the Program Manager’s staff.
- On 9/14, the District’s Staffing Plan was reviewed in Open Session with the Board.
- On 8/31, the District and the Program Manager met to review the current program workload and to determine the most efficient way of delivering the requisite services. Upon conclusion of the discussion, it was agreed that the program is reaching the point where additional staff is necessary. Cumming recommends the fulfillment of the Director of Design / CM position by a Senior Project Manager as per the Cumming Staffing Plan, to be presented to the Board as soon as feasible.

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

- Continuation of the Design Phase for each HS
- Review of Cost Saving Options
- Initial Meetings with DSA



- Issuance of the Master Program Budget and Schedule
- Issuance of the Program Wide Standard Specifications
- Selection of Program Wide Commissioning Services Firm
- Consultant Selection
  - a) Commissioning Services
  - b) California Environmental Quality Act (CEQA) Services
  - c) DSA Construction Testing & Geo-Technical Services
  - d) DSA Inspection Services
- Board Agenda Items Look Ahead

*All items are tentative until agenda is finalized.*

October 5 Proposed Agenda Item

- Modular Building Design Services at Orange HS with Silvercreek

November 9 Proposed Board Agenda Items

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

December 7 Proposed Board Agenda Items

- Orange HS Food Service Building Piggyback Contract
- (Information Item) Orange HS 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) Villa Park HS Design Development Presentation by LPA
- (Information Item) Monthly Measure S Bond Program Update

February 15 Proposed Board Agenda Items

- Program Wide Hazardous Materials Consultant Services
- (Information Item) El Modena HS Design Development Presentation by HED
- (Information Item) Monthly Measure S Bond Program Update

March 8 Proposed Board Agenda Items

- (Information Item) Canyon HS Design Development Presentation by gkkworks
- (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"> <li>• 12 Laboratory Rooms</li> <li>• 12 General Classrooms</li> <li>• Student Services</li> <li>• New Food Services</li> </ul> | <ul style="list-style-type: none"> <li>• New Multi-Purpose Room Entry</li> <li>• Parking Lot Improvements</li> <li>• Infrastructure Upgrade and Improvements</li> <li>• Landscape Improvements</li> </ul> |
|---|---|

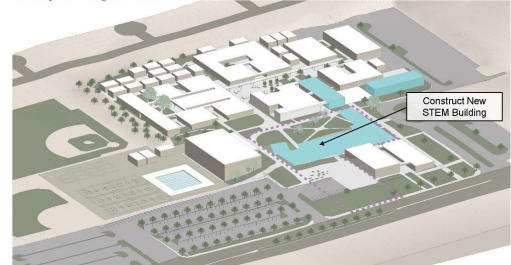
### Project Update:

- The Architect continues the Design Development phase as per the Board’s approval of the Schematic Design on 5/25. The Architect is presenting finish options for review and comment by the District.
- 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 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 27<sup>th</sup> Board Agenda. Negotiations concluded in early June concerning the cost of the Construction Manager’s Work Authorization for the advancement to the July 27<sup>th</sup> 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.
- On 5/25, the Board of Education approved the Science Center Schematic Design and Project Budget for \$69,500,000. The Board also requested information on possible cost reduction measures.

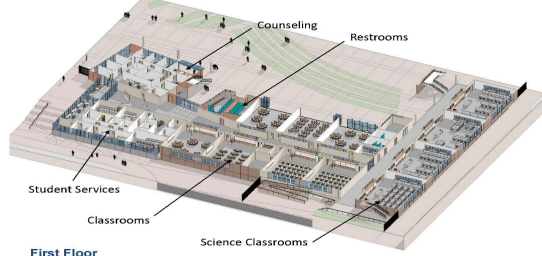
Canyon High School  
New STEM Building



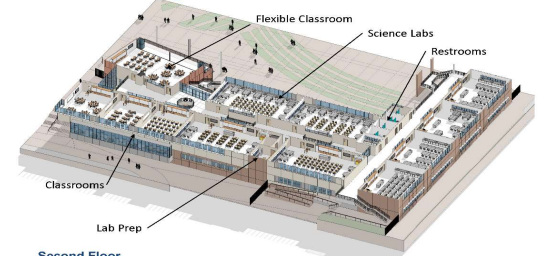
Canyon High School



Canyon High School  
New STEM Building



Canyon High School  
New STEM Building







# EL MODENA HS SCIENCE CENTER

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

### Project Update:

- The Architect continues the Design Development phase as per the Board’s approval of the Schematic Design on 5/11. The Architect is presenting finish options for review and comment by the District.
- On 9/20, the District, Program Manager, Architect & Construction met to review design progress and cost savings options proposed by the Architect.
- 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 8/23, the District, Program Manager, Architect & Construction Manager met to review progress on the design.
- 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 27<sup>th</sup> 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.
- On 5/11, the Board of Education approved the Science Center Schematic Design and Project Budget for \$40,756,811. The Board also requested information on the safety, security and maintenance of the expansive windows.



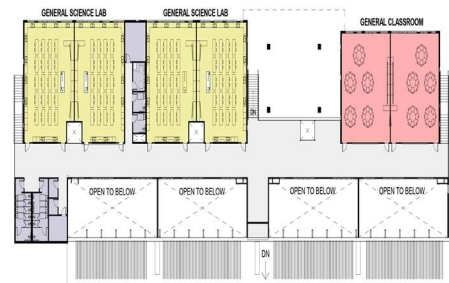
EL MODENA SCIENCE CENTER Overall View 09.11.2017 HED 13



EL MODENA SCIENCE CENTER Site Aerial Diagram 09.11.2017 HED 14



EL MODENA SCIENCE CENTER First Floor Plan 09.11.2017 HED 15



EL MODENA SCIENCE CENTER Second Floor Plan 09.11.2017 HED 16



# ORANGE HS SCIENCE CENTER

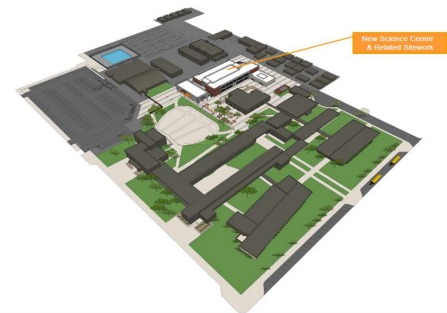
- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• 12 Laboratory Rooms</li> <li>• 1 General Classrooms</li> <li>• 2 Medically Fragile Classrooms</li> </ul> | <ul style="list-style-type: none"> <li>• New Panther Pavilion Plaza</li> <li>• Relocation (5) and Demolition (4) of portable classroom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

### Project Update:

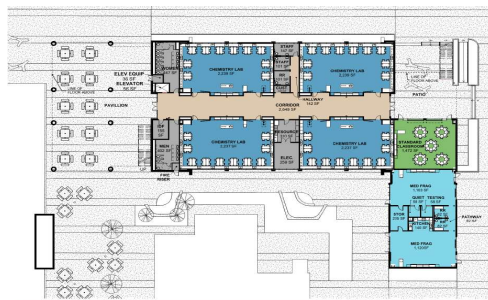
- The Architect continues the Design Development phase as per the Board’s approval of the Schematic Design on 5/25. The Architect is presenting finish options for review and comment by the District.
- The District & Program Manager are reviewing an option developed by the Architect and the Construction Manager to save Temporary Housing costs for the Administrative Staff.
- On 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 27<sup>th</sup> Board Agenda. Negotiations concluded in early June concerning the cost of the Construction Manager’s Work Authorization for the advancement to the July 27<sup>th</sup> 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.
- On 5/25, the Board of Education approved the Science Center Schematic Design and Project Budget for \$69,500,000. The Board also requested information on possible cost reduction measures.



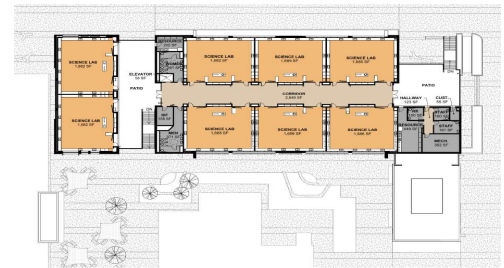
Orange High School Science Center



Orange High School Science Center



Science Center Ground Floor Plan



Science Center Second Floor Plan

**Orange High School**

**"ONCE A PANTHER, ALWAYS A PANTHER"**



# 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:

- The Architect continues the Design Development phase as per the Board’s approval of the Schematic Design on 6/8. The Architect is presenting finish options for review and comment by the District.
- On 9/25 & 9/11, the District, Program Manager, Architect & Construction met to review design progress and cost savings options proposed by the Architect.
- 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.
- On 6/8, the Board of Education approved the Science Center Schematic Design and Project Budget for \$45,200,000. The Board also requested information on available cost saving options.





### 3.0 FINANCIAL SUMMARY





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

**Monthly Progress Report September 2017**

QSS Data thru 9/30/17

	"A" Estimated Cost	"B" Expended	"C" Committed / Encumbered	"D = A-B-C" Balance
<b>Allocated Funds</b>				
1. Design Cost	\$9,572,676	\$2,200,095	\$7,405,562	(\$32,981)
2. Construction Cost	\$134,410,138	\$0	\$0	\$134,410,138
3. Program and Construction Management	\$12,706,689	\$474,101	\$8,617,523	\$3,615,065
* 4. Construction Support Costs	\$21,785,428	\$185,469	\$167,645	\$21,432,314
5. Contingency (Escalation,Construction,Project)	\$29,370,468	\$0	\$0	\$29,370,468
	<b>\$207,845,399</b>	<b>\$2,859,665</b>	<b>\$16,190,730</b>	<b>\$188,795,004</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>\$2,859,665</b>	<b>\$16,190,730</b>	<b>\$268,949,605</b>





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

Monthly Progress Report September 2017

QSS Data thru 9/30/17

	"A" Estimated Cost	"B" Expended	"C" Committed / Encumbered	"D = A-B-C" Balance
<b>Canyon High School</b>				
<b>390-9520 Canyon HS Science Center</b>				
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	\$160,468	\$2,870,433	\$1,209,188
* 4. Construction Support Costs	\$7,420,851	\$64,773	\$9,198	\$7,346,881
5. Contingency (Escalation,Construction,Project)	\$8,988,824	\$0	\$0	\$8,988,824
	<b>\$69,500,000</b>	<b>\$667,740</b>	<b>\$5,648,686</b>	<b>\$63,183,574</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>\$667,740</b>	<b>\$5,648,686</b>	<b>\$65,683,574</b>
<b>El Modena High School</b>				
<b>391-9520 El Modena HS Science Center</b>				
1. Design Cost	\$1,942,769	\$551,252	\$1,391,517	\$0
2. Construction Cost	\$27,866,000	\$0	\$0	\$27,866,000
3. Program and Construction Management	\$2,788,026	\$144,286	\$1,943,588	\$700,152
* 4. Construction Support Costs	\$4,461,347	\$23,334	\$42,735	\$4,395,278
5. Contingency (Escalation,Construction,Project)	\$3,698,669	\$0	\$0	\$3,698,669
	<b>\$40,756,811</b>	<b>\$718,873</b>	<b>\$3,377,839</b>	<b>\$36,660,099</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>\$718,873</b>	<b>\$3,377,839</b>	<b>\$67,903,288</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 September 2017

QSS Data thru 9/30/17

	"A" Estimated Cost	"B" Expended	"C" Committed / Encumbered	"D = A-B-C" Balance
<b>Orange High School</b>				
<b>392-9520 Orange HS Science Center</b>				
1. Design Cost	\$2,231,225	\$743,890	\$1,520,316	(\$32,981)
2. Construction Cost	\$33,677,228	\$0	\$0	\$33,677,228
3. Program and Construction Management	\$2,879,009	\$53,851	\$1,908,666	\$916,492
* 4. Construction Support Costs	\$5,475,917	\$61,815	\$76,490	\$5,337,612
5. Contingency (Escalation,Construction,Project)	\$8,125,209	\$0	\$0	\$8,125,209
	<b>\$52,388,588</b>	<b>\$859,556</b>	<b>\$3,505,471</b>	<b>\$48,023,561</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>\$859,556</b>	<b>\$3,505,471</b>	<b>\$67,634,973</b>
<b>Villa Park High School</b>				
<b>394-9520 Villa Park HS Science Center</b>				
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	\$115,496	\$1,894,836	\$789,233
* 4. Construction Support Costs	\$4,427,313	\$35,547	\$39,223	\$4,352,543
5. Contingency (Escalation,Construction,Project)	\$8,557,766	\$0	\$0	\$8,557,766
	<b>\$45,200,000</b>	<b>\$613,496</b>	<b>\$3,658,733</b>	<b>\$40,927,771</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>\$613,496</b>	<b>\$3,658,733</b>	<b>\$67,727,771</b>
<b>Total Bond Program</b>	<b>\$288,000,000</b>	<b>\$2,859,665</b>	<b>\$16,190,730</b>	<b>\$268,949,605</b>

\* See Attachment for Details



**Measure S Bond Program**

**Project Budget Estimate - Schematic Design Phase**

**Monthly Progress Report September 2017**

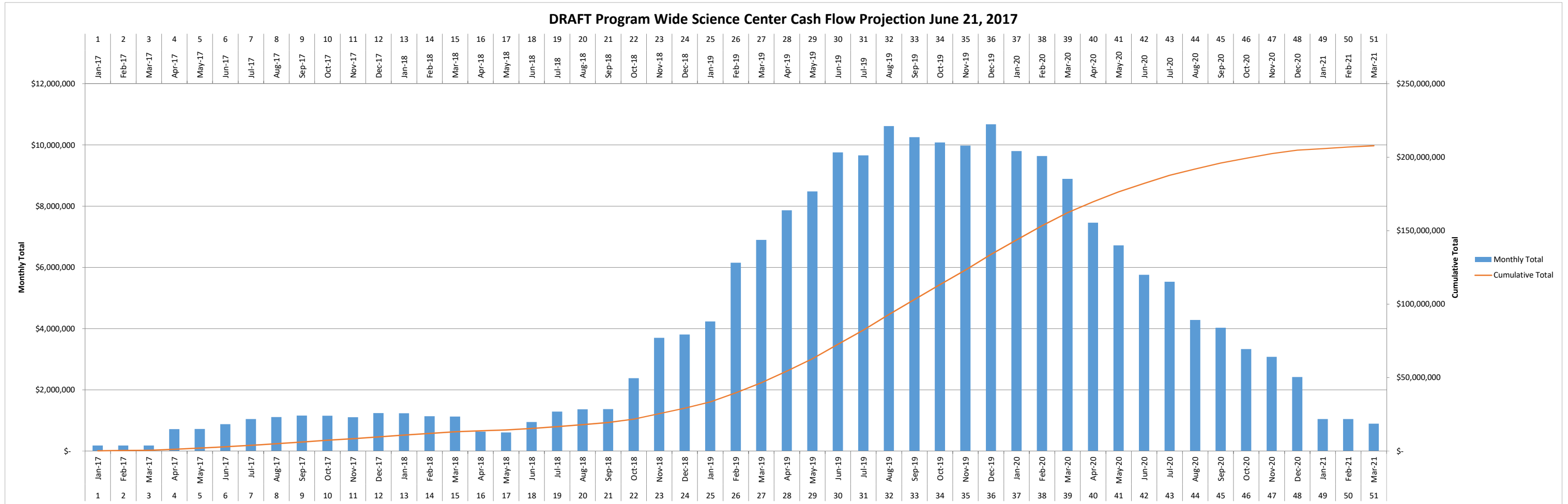
**ATTACHMENT**

**\* 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 - DRAFT JUNE 21, 2017



Totals	1 Jan-17	2 Feb-17	3 Mar-17	4 Apr-17	5 May-17	6 Jun-17	7 Jul-17	8 Aug-17	9 Sep-17	10 Oct-17	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	\$ 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
Cumulative	\$ 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

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	\$ 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	\$ 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	\$ 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	\$ 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



# 4.0 Program Schedule

## OUSD SCIENCE CENTER MASTER SCHEDULE - DRAFT JUNE 29, 2017

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39												
<b>Orange HS Science Center</b> Board Approved Budget = \$52,388,588	PROGRAMMING	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	DSA REVIEW										BID & AWARD	CONSTRUCTION														OCCUPANCY / CLOSE-OUT																					
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	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	Mar-20												
<b>EI Modena HS Science Center</b> Board Approved Budget = \$40,756,811	PROGRAMMING	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	DSA REVIEW										BID & AWARD	CONSTRUCTION														OCCUPANCY / CLOSE-OUT																					
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	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	Mar-20	Apr-20	May-20	Jun-20	Jul-20								
<b>Villa Park HS Science Center</b> Board Approved Budget = \$45,200,000	PROGRAMMING	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	DSA REVIEW / INTERIM HOUSING										BID & AWARD	CONSTRUCTION														OCCUPANCY / CLOSE-OUT																					
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	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	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20			
<b>Canyon HS Science Center</b> Board Approved Budget = \$69,500,000	PROGRAMMING	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	DSA REVIEW / INTERIM HOUSING										BID & AWARD	CONSTRUCTION														OCCUPANCY / CLOSE-OUT																					
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	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	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



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Ronald N. Lebs  
**Assistant Superintendent**  
**Facilities & Planning Department**



Facilities & Planning Department  
Measure S Bond Program  
726 W. Collins Avenue  
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