



ORANGE UNIFIED SCHOOL DISTRICT

Measure S Bond Program

May 2018 Monthly Progress Report



PERIOD COVERED:

May 1-31, 2018

FISCAL YEAR

FY 2017-2018

PROGRESS REPORT NO.

PR-011-1718-011

PREPARED BY:

CUMMING
Building Value Through Expertise



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1.0 SUMMARY

1.1 Program Summary

All Science Center projects are currently in the DSA review and approval phase.

DSA approval is anticipated and has been received as follows:

- Jun 2018 - Orange HS Science Center
- Sep 2018 - Villa Park HS Science Center
- Oct 2018 - El Modena HS Science Center
- Nov 2018 - Canyon HS Science Center
- (Completed) March 1, 2018 for the Orange HS Increment #1 (Infrastructure Upgrades, Move Relocatable Buildings, Bus Drop-Off, Restroom Renovation Project)
- (Completed) April 10, 2018 Orange HS Satellite Kitchen

Construction is tentatively scheduled to start as follows:

- June 15, 2018 - Orange HS Increment #1 (Site Infrastructure Upgrades, Satellite Kitchen, Move of Relocatable Buildings, Bus Drop-Off and Restroom Renovation)
- Sep 2018 - Orange HS Science Center (Increment #2)
- Nov 2018 - Villa Park HS Science Center
- Late 2018 / Early 2019 - El Modena HS Science Center
- Spring 2019 - Canyon HS Science Center

All Measure S Monthly Reports, Project Designs and Board Presentations are available for your review at the Bond Website, <https://www.orangeusd.org/measure-s>

1.2 Program Highlights/Key Milestones

May 10 Approved Board of Education Items

- Owner's Controlled Insurance Program (OCIP) Presentation (Information Item)
- No Cost Revision of CMAS Agreement Number for Owner Furnished Contractor Installed (OFCI) Electrical Switchgear for Orange High School
- District Wide Relocatable Portable Building Services

May 24 Approved Board of Education Items

- Approval to Award Construction Contract for the Site Infrastructure Upgrade Project at Orange HS
- Approval to Issue General Obligation Bond Series A at \$188 million
- Additional California Environmental Quality Act (CEQA) Services with Environmental Audit, Inc. at El Modena HS



Program Budget Update

- The Program Manager issued updated budgets in the May 2018 Monthly Report (this report), based upon the Construction Cost Estimates completed by the Construction Managers based upon the Architect's 50% Construction Documents.
- On 5/10, the District and Program Manager reviewed the draft updated budgets based upon the percentages recommended at the 4/11 meeting. The Program Budgets are to be updated on a project by project basis, based upon receipt of the actual bid amounts for each project.

Program Schedule Update

- The Program Manager issued an updated program schedule in the May 2018 Monthly Report (this report), based upon the updated schedules completed by the Construction Managers as per the 5/10 and 4/26 meetings with the District and Program Manager.

Phase 2

- The Program Manager is planning to submit agenda items for Phase 2 Architectural Design Services for Board review and approval at the 7/26 or 8/16 Board meetings.
- On 5/18, the District and Program Manager reviewed the Unallocated Funds Budget and concluded that the 4/12 schedule below must be followed to begin Phase 2 construction in June 2020.
- On 4/19, the District held a Phase 2 Planning Discussion meeting to review the below timeline and amount of the Unallocated Budget.
- On 4/13, the Program Manager presented a Preliminary Unallocated Funds Budget to the District to support the Phase 2 programming effort.
- On 4/12, the Board approved the Bond Financing Plan, activating the following tentative timeline:
 - Programming: Apr – Summer 2018
 - Design Agreements: Summer 2018
 - Design Phase: Summer 2018 – Summer 2019
 - DSA Review & Approval: Fall 2019 – Spring 2020
 - Bid & Award: Spring 2020
 - Construction: Summer 2020 – Late 2021

Bond Financing Update

- On 5/24, the Board of Education approved the resolution for the competitive sale of Bond Series A in the amount of \$188M. The competitive sale is scheduled for 6/7/18.
- On 4/12, the District's Financial Advisor (Adam Bauer, Fieldman, Rolapp & Associates, Inc.) presented the following Bond Finance Plan:
 - Series A Bond Issuance at \$188M (June / July 2018)
 - Series B Bond Issuance at \$100M (June / July 2020)



Orange HS Update

- The Groundbreaking Ceremony is scheduled for 6/8 and construction is to start on 6/15.
- The DSA Review & Approval phase continues for the STEM Building (DSA Application #04-116859). The Architect submitted the 100% Construction Documents to DSA on 1/8 and DSA's comments were received on 3/9 (Fire & Life Safety), 4/2 (Access Compliance) and 4/24 (Structural Safety), which are being incorporated by the Architect. The Architect has scheduled the DSA resubmittal date for 6/25. DSA approval is expected by early July 2018.
- On 5/30, an initial site walk was completed with the HS Principal, Construction Manager and the Electrical Subcontractor. Site logistics were also reviewed.
- On 5/24, the Board approved the award of the construction contract to Swinerton Builders in the amount of \$5,965,424.
- On 5/30, an initial site walk was completed with the District, the Construction Manager and the Electrical Subcontractor. Site logistics were also reviewed.
- On 5/24, the Board approved the award of the construction contract to Swinerton Builders in the amount of \$5,965,424.
- On 5/21, the Program Manager, Construction Manager and Contractor held the Onsite Pre-Kickoff meeting to review site logistics and early deliverables (schedules, submittal logs and schedule of values).
- On 5/18, the Program Manager, Architect and Construction Manager met to address project specific protocol for construction.
- On 5/16, the District and Program Manager completed a meeting with the District's Maintenance Dept. to coordinate activities per the schedule below.
- On 5/14, the Program Manager prepared the draft Procore Training agenda for the General Contractor and DSA inspector.
- On 5/10, the Program Manager anticipates the Orange HS Increment #1 (Site Infrastructure Upgrades, Satellite Kitchen, Move of Relocatable Buildings, Bus Drop- Off and Restroom Renovation) work to be completed as follows:
 - 6/15 – Construction starts
 - 6/16 to 7/9 – No School staff or students on site
 - 6/16 to 6/25 – Remove Any District Items by District Maintenance
 - 6/18 – Start Infrastructure, Satellite Kitchen, Bus Drop Off, Electrical Enclosure, Restroom Renovation
 - 6/25 to 7/20 – Building Relocation
 - 7/9 – Resume School Athletics
 - 7/20 to 8/19 – District Maintenance completes Paint, Carpet & Replace Ceiling Tile for Relocated Buildings
 - 7/29 – Southern California Edison (SCE) to Energize Electrical System
 - 8/14 – Complete Bus Drop Off & Restroom Renovation
 - 8/17 & 8/20 – Staff Development Days, No Students
 - 8/21 – Teacher Prep Day, No Students
 - 8/22 – First Day of Instruction



Orange HS Update (cont.)

- On 5/9, the Program Manager issued a Recommendation to Award for Orange HS Increment #1; Board Action Pending May 24, 2018.
- On 5/7, the Bid Opening was completed, and the District, Program Manager and Construction Manager are reviewing the Contractor's Bid Documents and preparing a recommendation to award for the District's approval. Preliminarily, it appears that the Contractor's Bid is responsive and that the bid amount is within budget.
- On 5/1 and 4/25, Addendum #4 and Addendum #3 were respectively issued. The Architect and Program Manager have responded to all Pre-Bid Questions.

Villa Park HS Update

- The DSA Review & Approval phase continues for the STEM Building (DSA Application #04-117022). The Architect submitted the 100% Construction Documents to DSA on 3/9 and DSA's comments were received on 4/19 (Fire & Life Safety), 5/21 (Structural Safety) and 5/22 (Access Compliance), which are being incorporated by the Architect. DSA approval is anticipated by September 2018.
- The District, Program Manager and PlaceWorks, the District's CEQA Consultant, are preparing an agenda item for a CEQA Notice of Exemption at the 7/26 Board Meeting.
- Construction is tentatively scheduled to start in November 2018 to include all construction (STEM Building, Medically Fragile Classrooms, Interim Housing, Site Infrastructure, Stormwater Bioretention Basin).

El Modena HS Update

- The DSA Review & Approval phase continues for the STEM Building (DSA Application #04-117098). The Architect submitted the 100% Construction Documents to DSA on 3/30 and DSA's comments were received on 5/1 (Fire & Life Safety) and 5/8 (Access Compliance), which are being incorporated by the Architect. DSA's Structural Safety comments are anticipated by 6/29. DSA approval is anticipated in October 2018.
- Construction is tentatively scheduled to start in January 2019 to include all construction (STEM Building, Medically Fragile Classrooms, Site Infrastructure, New Fire Lanes, New Parking Lot Lighting).

Canyon HS Update

- The DSA Review & Approval phase has started for the STEM Building (DSA Application #04-117300). The Architect submitted the 100% Construction Documents (CDs) to DSA on 5/22 and DSA issued initial comments on 5/30, which the Architect is incorporating. The start of construction remains as originally scheduled for May 2019.
- Construction is tentatively scheduled to start in May 2019 to include all construction (STEM Building, Site Infrastructure, Temporary Kitchen, New Classrooms, New Administration Area, New MPR Entry, New Food Service, New Drop-Off Circulation, 100 New Parking Spaces, New Parking Lot Lighting).



Program California Environmental Quality Act (CEQA) Update

- CEQA Compliance is anticipated or has been completed as follows:
 - Villa Park HS – Notice of Exemption (tentative for 7/26 Board Agenda). The District is scheduling a meeting to review the Traffic Study findings with the City of Villa Park.
 - Canyon HS – Notice of Exemption (tentative for 7/26 Board Agenda). The CEQA Consultant is reviewing the Phase 1 Environmental Site Assessment.
 - Orange HS – Notice of Exemption (Board approved on 3/8)
 - El Modena HS – Notice of Exemption (Board approved on 3/8)

Program Owner's Controlled Insurance Program (OCIP) Update

- The Business Office has scheduled a meeting to review the OCIP process for 6/8 at 2:30pm. Items to confirm are:
 1. Does OCIP save money?
 2. Does the quality of coverage increase?
 3. What are the rebate options?
- On 5/18, the District and Program Manager reviewed the duration required to incorporate OCIP into the Orange HS Increment #2, Villa Park HS, El Modena HS and Canyon HS projects.
- On 5/10, the Program Manager completed a presentation to summarize OCIP services. The Board requests the following:
 - Determination of Minimum Insurance Coverages by the Business Office
 - Review of Coverages by Similar Districts
 - Advertise Bid for OCIP Services
- On 5/7, the Program Manager finalized the 5/10 OCIP Presentation as per the District's comments.
- On 5/3, the Program Manager revised the Draft 5/10 OCIP Presentation as per the District's comments.

Procure Electrical System Equipment

- On 5/14, the El Modena HS and Villa Park HS Electrical System Equipment Shop Drawings were received from the manufacturers at and were forwarded to the Architects for review and approval. The approximate cost is \$251,000 for El Modena HS and \$200,000 for Villa Park HS.
- On 5/9 and 5/10, the Program Manager issued the preliminary cost breakdown for the Electrical System Equipment at El Modena HS and Villa Park HS, respectively. Upon receipt of the shop drawings they will be forwarded to the Architect for engineer review and approval.
- On 5/8, the Orange HS Electrical Engineer approved the Bill of Materials (BOM) for procurement of Electrical System Equipment for Orange HS STEM Building (Increment #2). The Program Manager is preparing a Board Agenda item to advance to the June 7th Board Meeting.
- On 5/1 and 4/30, the Program Manager issued the DSA Approved Drawings, Technical Specifications and Bill of Materials (BOM) for procurement of Electrical System Equipment for Villa Park HS and for El Modena HS, respectively, as Owner Furnish Contractor Installed (OFICI) items by using a California Multiple Award Schedules (CMAS) contract.



Citizens' Oversight Committee (COC)

- On 4/25, COC Meeting #5 was completed and included a Measure S Program Update and a Financial Update. The District and Program Manager also responded to COC questions from Meeting #4. The next meeting is scheduled for July 18, 2018.
- COC Meeting agendas, meeting minutes, reports, and additional information can be found at <https://www.orangeusd.org/measure-s/citizens-oversight-committee>

Program Management Plan (PMP)

- The Program Manager is updating the PMP with the following:
 - Updated Bond Sales Schedule
 - Updated Procurement Plan
 - Signature Page by CMs
 - Construction Management Plans by CMs
- On 3/30, the Program Manager issued the Final Draft of the PMP to the Construction Managers. The Construction Managers are preparing their Construction Management Plans for each of their respective projects to be included within the PMP.

Contractor Pre-Qualification

- Prospective contractors continue to submit pre-qualification applications, which continue to be reviewed by the District and the Program Manager on a rolling basis.
- On 4/26, the Pre-Qualification List for the Orange HS Increment #1 Site Infrastructure Upgrade Project was closed with 86 firms. The District continues review and scoring of Contractor Pre-Qualification Applications for all other Measure S Projects.
- The deadline for submittal of Pre-Qualification Applications to participate in the bid of Orange HS Site Infrastructure project is 4/18 (Revised to 4/26 due to revision of Bid Opening Date from 5/2 to 5/7 as per Addenda #1).
- On 2/9, the Contractor Pre-Qualification Application was made accessible from the District's Measure S Website.



1.3 Look Ahead (next 90 days)

- Schedule Phase 2 Project Prioritization Meetings with Principals and Architects
- Draft Unallocated Funds (Phase 2) Cash Flow Projection
- Review OCIP Selection Process
- Review Construction Manager Staffing Plans Revised for FY 2018/2019
- Review Construction Management Plans by Construction Managers
- Manage CEQA Services for Canyon HS & Villa Park HS (by District)
- Manage completion of the Design process, per the following schedule:
 - Jun 2018 – Anticipated DSA Approval for Orange HS STEM Building
 - Sep 2018 – Anticipated DSA Approval for Villa Park HS STEM Building
 - Oct 2018 – Anticipated DSA Approval for El Modena HS STEM Building
 - Nov 2018 – Anticipated DSA Approval for Canyon HS STEM Building
- Update the Program Management Plan with the following:
 - a) Updated Bond Sales Schedule
 - b) Updated Procurement Plan
 - c) Signature Page by CMs
 - d) Construction Management Plans by CMs
- Reschedule All Hands Meeting with Architects & Construction Managers
- **Board of Education Agenda Items Look Ahead**

June 7 Tentative

- Procure Owner Furnished Contractor Installed (OFCI) Electrical System Equipment for the Orange High School STEM Building (Increment #2) using CMAS Agreement
- Phase 1 Program Management Services Work Authorization with Cumming for FY 2018-19, FY 2019-20, FY 2020-21 & FY 2021-22
- Measure S Bond Program Update (Information Item)

July 26 Tentative

- California Environmental Quality Act (CEQA) Categorical Exemption at Villa Park HS
- Procure Owner Furnished Contractor Installed (OFCI) Electrical System Equipment for the Villa Park High School STEM Building (Increments #1 & #2) using CMAS Agreement (upon approval by Electrical Engineer)
- Procure Owner Furnished Contractor Installed (OFCI) Electrical System Equipment for the El Modena High School STEM Building using CMAS Agreement (upon approval by Electrical Engineer)

Aug 16 Tentative

- Phase 2 Architectural Design Services



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

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

Project Update:

- (5/31) – The DSA Review & Approval phase has started for the STEM Building (DSA Application #04-117300). The Architect submitted the 100% Construction Documents (CDs) to DSA on 5/22 and DSA issued initial comments on 5/30, which the Architect is incorporating. The start of construction remains as originally scheduled for May 2019.
- (4/9) – The Architect scheduled the DSA intake meeting for May 22, 2018 for submittal of the 100% Construction Documents for DSA review and approval.
- (4/4) – The Architect submitted 50% Construction Documents Package to the District for review and comment.
- (4/1) – The Construction Manager commenced performing Due Diligent Reviews of the 50% Construction Documents, the reviews will consist of constructability review, BIM clash detection and review of the project specifications. The major project components in the constructability review include; Civil, Architectural, Structural MEP, Fire Live Safety and Landscaping. Ancillary activities will include the Construction Manager preparing an independent cost estimate and conducting a reconciliation meeting with the Architect to compare the two-cost estimate. Based on confirmation of construction cost, the Construction Manager will prepare and issue a reconciled forecasted cost of probable construction cost to OUSD and any value engineering items identified during the review process for OUSD consideration.

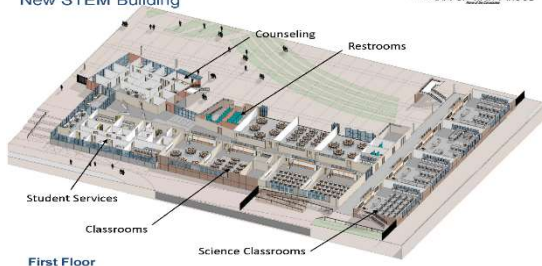
Canyon High School
New STEM Building



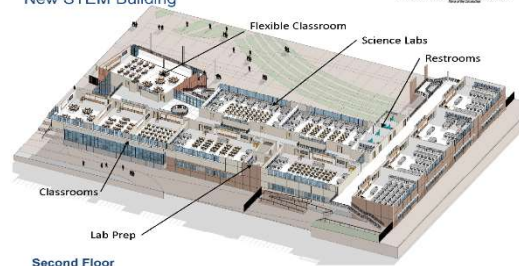
Canyon High School



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:

- (5/31) – The DSA Review & Approval phase continues for the STEM Building (DSA Application #04-117098). The Architect submitted the 100% Construction Documents to DSA on 3/30 and DSA's comments were received on 5/1 (Fire & Life Safety) and 5/8 (Access Compliance), which are being incorporated by the Architect. DSA's Structural Safety comments are anticipated by 6/29. DSA approval is anticipated in October 2018.
- (4/13) – The Construction Manager has completed the constructability review and cost estimate for the 50% Construction Documents Package, which shows that the project remains on budget.
- (3/30) – The Architect completes the 100% Construction Documents and submits the package to DSA for their review and approval.





ORANGE HS SCIENCE CENTER

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

Project Update:

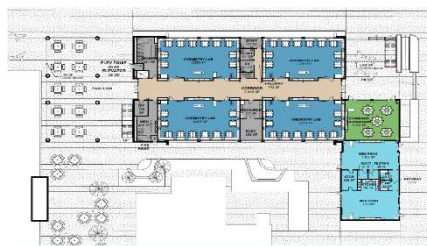
- (5/31) – The DSA Review & Approval phase continues for the STEM Building (DSA Application #04-116859). The Architect submitted the 100% Construction Documents to DSA on 1/8 and DSA's comments were received on 3/9 (Fire & Life Safety), 4/2 (Access Compliance) and 4/24 (Structural Safety), which are being incorporated by the Architect. The Architect has scheduled the DSA resubmittal date for 6/25. DSA approval is expected by early July 2018.
- (5/10) – The Program Manager anticipates the Orange HS Increment #1 (Site Infrastructure Upgrades, Satellite Kitchen, Move of Relocatable Buildings, Bus Drop-Off and Restroom Renovation) work to be completed as follows:
 - 6/1 to 6/15 – Packing by Teachers in Interim Housing Building
 - 6/15 – Last day of school/staff on site
 - 6/15 – Construction starts
 - 6/16 to 7/9 – No School staff or students on site
 - 6/16 to 6/25 – Remove Any District Items by District Maintenance
 - 6/18 – Start Infrastructure, Satellite Kitchen, Bus Drop Off, Electrical Enclosure, Restroom Renovation
 - 6/25 to 7/20 – Building Relocation
 - 7/9 – Resume School Athletics
 - 7/20 to 8/19 – District Maintenance completes Paint, Carpet & Replace Ceiling Tile for Relocated Buildings
 - 7/29 – Southern California Edison (SCE) to Energize Electrical System
 - 8/14 – Complete Bus Drop Off & Restroom Renovation
 - 8/17 & 8/20 – Staff Development Days, No Students
 - 8/21 – Teacher Prep Day, No Students
 - 8/22 – First Day of Instruction
- (5/9) – The Program Manager issued a Recommendation to Award for Orange HS Increment #1; Board Action Pending May 24, 2018.
- (5/7) – The Bid Opening was completed for Increment #1.



Orange High School Science Center



Orange High School Science Center



Science Center Ground Floor Plan



Science Center Second Floor Plan



VILLA PARK HS SCIENCE CENTER

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

Project Update:

- (5/31) – DSA continues their review of the 100% Construction Documents for the STEM Building. The Architect submitted the 100% Construction Documents to DSA on March 9, 2018 and DSA's comments are expected by June 6, 2018. The Accessibility review has been completed, the Fire & Life Safety comments have been returned and Structural comments are anticipated on May 18, 2018. DSA approval is anticipated by September 2018.
- (4/13) – The Construction Manager has completed the constructability review and cost estimate for the 50% Construction Documents Package, which shows that the project remains on budget.
- (3/9) – The Architect submitted the 100% Construction Documents for the STEM Building (DSA #04-117022) to DSA.



3.0 Financial Report



Measure S Bond Program

Budget vs Actuals - Program Summary, By Budget Category

Project Budget Estimate - 50% DSA Construction Documents

Monthly Progress Report April 2018

QSS Data thru 5/31/18

	"A"	"B"	"C"	"D = A-B-C"
	Estimated Cost	Expended	Committed Balance / Encumbered	Balance
Allocated Funds				
1. Design Cost	\$9,751,472	\$5,944,510	\$3,803,663	\$3,299
2. Construction Cost	\$117,440,467	\$79,233	\$0	\$117,361,234
3. Program and Construction Management	\$12,706,686	\$2,146,285	\$6,905,743	\$3,654,658
* 4. Construction Support Costs	\$22,368,595	\$1,729,589	\$1,344,461	\$19,294,545
5. Contingency (Escalation, Construction, Project)	\$45,578,179	\$0	\$0	\$45,578,179
	\$207,845,399	\$9,899,617	\$12,053,868	\$185,891,915
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	\$9,899,617	\$12,053,868	\$266,046,516

** See Attachment for Details



Measure S Bond Program
Budget vs Actuals - Program Summary, By School w/ Budget Category
Project Budget Estimate - 50% DSA Construction Documents

Monthly Progress Report April 2018

QSS Data thru 5/31/18

"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	\$3,222,114	\$1,738,833	\$1,483,281	\$0
2. Construction Cost	\$37,998,360	\$0	\$0	\$37,998,360
3. Program and Construction Management	\$4,240,088	\$616,785	\$2,404,217	\$1,219,086
* 4. Construction Support Costs	\$7,594,221	\$584,364	\$341,153	\$6,668,705
5. Contingency (Escalation,Construction,Project)	\$16,445,217	\$0	\$0	\$16,445,217
	\$69,500,000	\$2,939,981	\$4,228,651	\$62,331,367

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	\$2,939,981	\$4,228,651	\$64,831,367
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El Modena High School

391-9520 El Modena HS Science Center

1. Design Cost	\$1,956,708	\$1,348,558	\$608,150	\$0
2. Construction Cost	\$24,583,850	\$0	\$0	\$24,583,850
3. Program and Construction Management	\$2,788,025	\$561,691	\$1,516,284	\$710,050
* 4. Construction Support Costs	\$4,514,700	\$378,428	\$37,536	\$4,098,737
5. Contingency (Escalation,Construction,Project)	\$6,913,528	\$0	\$0	\$6,913,528
	\$40,756,811	\$2,288,676	\$2,161,970	\$36,306,164

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	\$2,288,676	\$2,161,970	\$67,549,353
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* See Attachment for Details



Measure S Bond Program

Budget vs Actuals - Program Summary, By School w/ Budget Category

Project Budget Estimate - 50% DSA Construction Documents

Monthly Progress Report April 2018

QSS Data thru 5/31/18

	"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	\$2,336,608	\$1,592,255	\$741,054	\$3,299
2. Construction Cost	\$32,760,689	\$79,233	\$0	\$32,681,456
3. Program and Construction Management	\$2,879,008	\$409,575	\$1,543,044	\$926,390
* 4. Construction Support Costs	\$5,371,545	\$454,562	\$384,205	\$4,532,778
5. Contingency (Escalation,Construction,Project)	\$9,040,738	\$0	\$0	\$9,040,738
	\$52,388,588	\$2,535,625	\$2,668,302	\$47,184,661
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	\$2,535,625	\$2,668,302	\$66,796,073
Villa Park High School				
394-9520 Villa Park HS Science Center				
1. Design Cost	\$2,236,042	\$1,264,864	\$971,178	\$0
2. Construction Cost	\$22,097,568	\$0	\$0	\$22,097,568
3. Program and Construction Management	\$2,799,565	\$558,235	\$1,442,198	\$799,132
* 4. Construction Support Costs	\$4,888,129	\$312,235	\$581,568	\$3,994,326
5. Contingency (Escalation,Construction,Project)	\$13,178,696	\$0	\$0	\$13,178,696
	\$45,200,000	\$2,135,334	\$2,994,944	\$40,069,722
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	\$2,135,334	\$2,994,944	\$66,869,722
Total Bond Program	\$288,000,000	\$9,899,617	\$12,053,868	\$266,046,516

* See Attachment for Details



Measure S Bond Program

Project Budget Estimate - Schematic Design Phase

Monthly Progress Report April 2018

QSS Data thru 5/31/18

ATTACHMENT

*** Construction Support Costs**

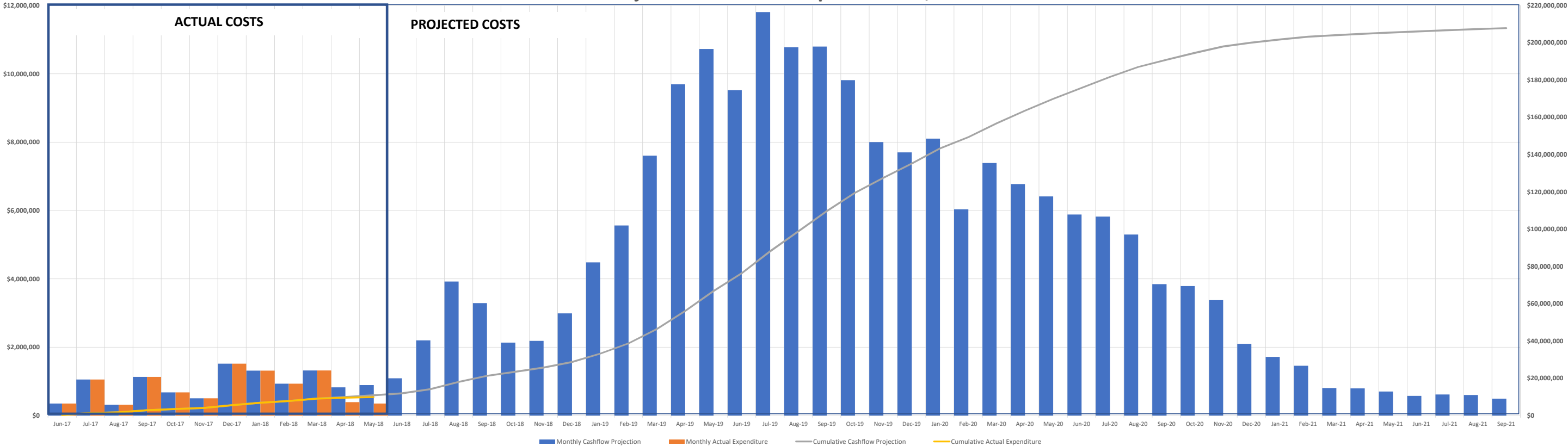
Commissioning
DSA Construction Phase Testing / LOR
DSA Inspection
DSA Review Fees
FFE (Laboratory Tables and Chairs, other)
IT Technology Infrastructure
Labor Compliance
Legal Counsel
Builders Risk Insurance
Postage, Printing Advertising
Preliminary Testing (Hazmat, Topo Survey, Geotech, Subsurface Imaging)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



MEASURE S BOND PROGRAM - SCIENCE CENTER CASH FLOW PROJECTION

Actual Costs thru May 31, 2018

Projected Costs thru September 30, 2021



	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
Monthly Cash Flow Projection	\$352,744	\$1,055,850	\$318,891	\$1,132,180	\$678,966	\$505,752	\$1,523,203	\$1,317,281	\$937,477	\$1,324,244	\$827,942	\$895,703	\$1,093,129	\$2,202,729	\$3,923,234	\$3,293,289	\$2,137,241	\$2,188,318	\$2,994,810
Monthly Actual Expenditure	\$352,744	\$1,055,850	\$318,891	\$1,132,180	\$678,966	\$505,752	\$1,523,203	\$1,317,281	\$937,477	\$1,324,244	\$396,486	\$356,543							
Cumulative Cash Flow Projection	\$352,744	\$1,408,594	\$1,727,485	\$2,859,665	\$3,538,630	\$4,044,382	\$5,567,585	\$6,884,866	\$7,822,343	\$9,146,587	\$9,974,530	\$10,870,233	\$11,963,361	\$14,166,090	\$18,089,324	\$21,382,613	\$23,519,854	\$25,708,172	\$28,702,982
Cumulative Actual Expenditure	\$352,744	\$1,408,594	\$1,727,485	\$2,859,665	\$3,538,630	\$4,044,382	\$5,567,585	\$6,884,866	\$7,822,343	\$9,146,587	\$9,543,073	\$9,899,616							
Cumulative Variance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$431,456	\$970,616							

Phase I Timeline	Phase I Design, DSA Review/Approval (DSA Approval for Canyon anticipated December 2018)												Phase I Construction						
Phase II Timeline ⁵													Phase II Programming						
													Phase II Design Agreements						
													1st Bond Sale - \$188m						

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Monthly Cash Flow Projection	\$4,485,845	\$5,566,752	\$7,606,031	\$9,695,603	\$10,725,271	\$9,522,303	\$11,800,262	\$10,775,666	\$10,791,981	\$9,810,934	\$8,005,075	\$7,704,153
Monthly Actual Expenditure	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Cash Flow Projection	\$33,188,827	\$38,755,578	\$46,361,609	\$56,057,212	\$66,782,484	\$76,304,786	\$88,105,048	\$98,880,715	\$109,672,696	\$119,483,630	\$127,488,705	\$135,192,858
Cumulative Actual Expenditure	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Variance												

Phase I Timeline	Phase I Construction											
Phase II Timeline ⁵	Phase II Design											

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Monthly Cash Flow Projection	\$8,106,452	\$6,037,260	\$7,390,850	\$6,776,171	\$6,417,095	\$5,887,524	\$5,825,516	\$5,297,755	\$3,846,932	\$3,791,178	\$3,378,227	\$2,100,544
Monthly Actual Expenditure	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Cash Flow Projection	\$143,299,310	\$149,336,570	\$156,727,420	\$163,503,591	\$169,920,686	\$175,808,210	\$181,633,727	\$186,931,482	\$190,778,414	\$194,569,592	\$197,947,819	\$200,048,363
Cumulative Actual Expenditure	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Variance												

Phase I Timeline	Phase I Construction											
Phase II Timeline ⁵	Phase II DSA Review											
	Phase II Bid & Award			Mobilize		Phase II Construction						
						2nd Bond Sale - \$100m						

	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Monthly Cash Flow Projection	\$1,719,149	\$1,460,057	\$810,603	\$799,390	\$708,175	\$576,883	\$618,833	\$606,435	\$497,510			
Monthly Actual Expenditure	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
Cumulative Cash Flow Projection	\$201,767,512	\$203,227,569	\$204,038,172	\$204,837,563	\$205,545,738	\$206,122,621	\$206,741,454	\$207,347,889	\$207,845,399			
Cumulative Actual Expenditure	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
Cumulative Variance												

Phase I Timeline	Phase I Construction											
Phase II Timeline ⁵	Phase II Construction											

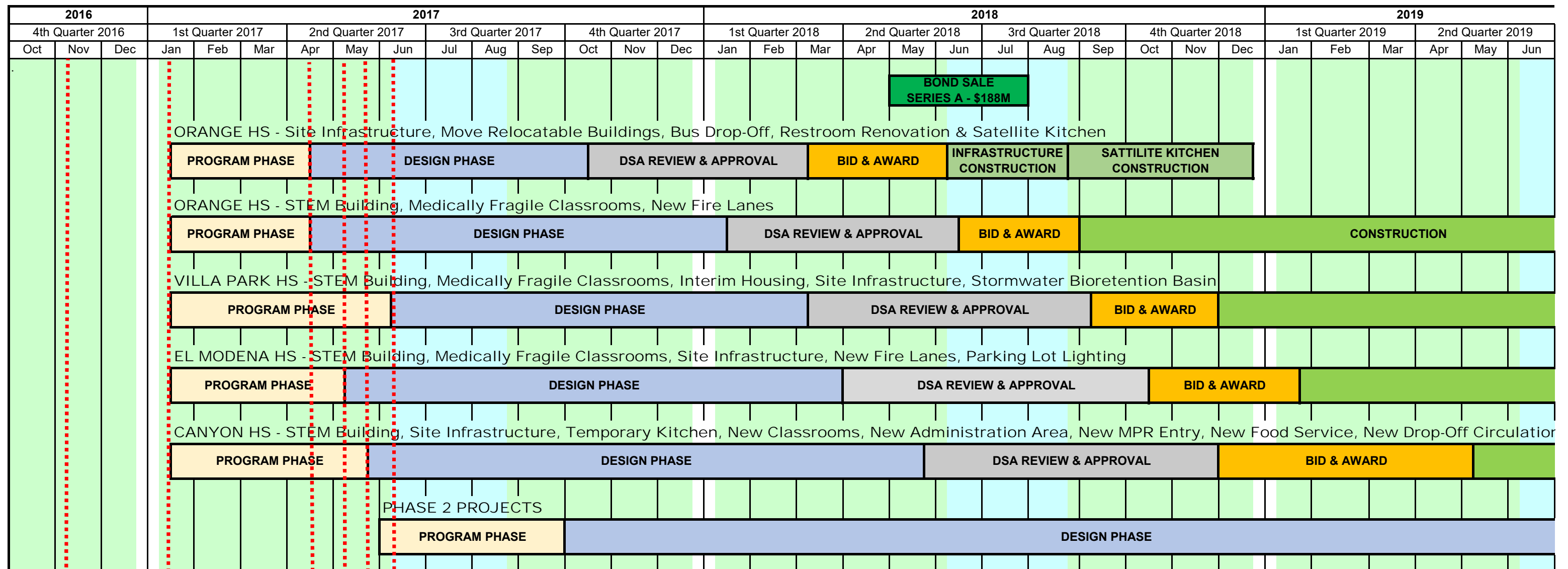
- Notes:**
- 1) Cashflow Projection shows the Project Cost Estimate @ 50% DSA Construction Document and Revised Project Schedule.
 - 2) Cashflow Projection is based on earned value following the current Project Schedule for STEM Bldg only.
 - 3) Amount shown for June 2017 thru March 2018 are Actual Check Payments
 - 4) Purchase for IT Infrastructure is allocated at the beginning of Construction; FF&E purchase is towards the end of Construction
 - 5) Phase II Estimated Costs are not yet loaded into cash flow projection

Measure S Bond Program Funds			
	A	B	C = A + B
Site	Science Center Cost Estimate	Unallocated Funds	Total Measure S Bond Funds
Canyon HS	\$69,500,000	\$2,500,000	\$72,000,000
El Modena HS	\$40,756,811	\$31,243,189	\$72,000,000
Orange HS	\$52,388,588	\$19,611,412	\$72,000,000
Villa Park HS	\$45,200,000	\$26,800,000	\$72,000,000
	\$207,845,399	\$80,154,601	\$288,000,000



4.0 Program Schedule

BOND MEASURE S PROGRAM SCHEDULE SUMMARY



- Villa Park HS Schematic Design & Budget Approved 6/8/17

Canyon HS Schematic Design & Budget Approved 5/25/17

- El Modena HS Schematic Design & Budget Approved 5/11/17

- Orange HS Schematic Design & Budget Approved 4/13/17

Program Manager Starts Work 1/17/17

Bond Measure S Passes by 62% on 11/8/17



BOND MEASURE S PROGRAM SCHEDULE SUMMARY



OUSD Program Summary Schedule

Data Date: 31-May-18

Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	2018			2019				2020				2021				2
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
📌 OUSD Bond Program	1298	914	08-Nov-16 A	29-Oct-21	0																1
📁 OUSD Canyon High School	1185	896	01-Mar-17 A	29-Oct-21	0																
📌 Executive Summary Schedule for STEM Bldg	957	879	07-Mar-17 A	29-Oct-21	0																
📌 Program-Wide	1084	795	01-Mar-17 A	10-Jun-21	101																
📌 Initial Studies	140	0	01-Mar-17 A	31-Jul-17 A																	
📌 Academic Calendar	985	795	23-Aug-17 A	10-Jun-21	101																
📌 Design	359	96	23-May-17 A	05-Oct-18	800																
📌 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	123	0	26-Jan-18 A	26-Apr-18 A																	
📌 100% Construction Documents	96	96	25-May-18	05-Oct-18	800																
📌 DSA Review & Approval	100	100	22-May-18 A	05-Nov-18	25																
📌 STEM Building/MP Renovation/Parking/Drop-Off + Kitchen	100	100	22-May-18 A	05-Nov-18	25																
📌 Bid and Award	117	117	06-Dec-18	17-May-19	640																
📌 STEM Building/MP Renovation/Parking/Drop-Off + Kitchen	117	117	06-Dec-18	17-May-19	640																
📌 Construction	633	633	22-May-19	22-Oct-21	5																
📌 STEM Building/MP Renovation/Parking/Drop-Off + Kitchen	633	633	22-May-19	22-Oct-21	5																
📌 Furniture, Fixtures & Equipment	23	23	30-Aug-21	29-Sep-21	22																
📌 STEM Building/MP Renovation/Parking/Drop-Off + Kitchen	23	23	30-Aug-21	29-Sep-21	22																
📌 Commissioning	38	38	02-Aug-21	22-Sep-21	22																
📌 STEM Building/MP Renovation/Parking/Drop-Off + Kitchen	38	38	02-Aug-21	22-Sep-21	22																
📌 Closeout	27	27	23-Sep-21	29-Oct-21	0																
📌 STEM Building/MP Renovation/Parking/Drop-Off + Kitchen	27	27	23-Sep-21	29-Oct-21	0																
📁 OUSD Orange High School	866	483	08-Nov-16 A	31-Mar-20	0																
📌 Project Summary & Milestones	866	483	08-Nov-16 A	31-Mar-20	0																
📌 Design / Agency Review	238	49	23-Aug-17 A	10-Jul-18	0																
📌 Design / Agency Review for Bid 1	162	0	23-Aug-17 A	11-Apr-18 A																	
📌 Design / Agency Review for Bid 2	185	49	23-Aug-17 A	10-Jul-18	0																
📌 Bid and Award	204	103	06-Dec-17 A	26-Sep-18	0																
📌 Bid and Award Bid 1	132	31	06-Dec-17 A	14-Jun-18	-60																
📌 Bid and Award Bid 2	59	59	03-Jul-18	26-Sep-18	0																
📌 District Procurement	53	0	30-Jan-18 A	30-Mar-18 A																	
📌 Construction Bid #1	105	105	14-Jun-18	09-Nov-18	347																
📌 Utilities and Infrastructure	64	64	14-Jun-18	13-Sep-18	388																
📌 Satellite Kitchen	103	103	18-Jun-18	09-Nov-18	-62																
📌 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	321	321	20-Sep-18	02-Jan-20	10																
📌 STEM Building	321	321	20-Sep-18	02-Jan-20	10																
📌 Site Improvement	47	47	14-Jun-19	20-Aug-19	0																
📌 Closeout / Commissioning	325	325	28-Sep-18	16-Jan-20	0																

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



OUSD Program Summary Schedule

Data Date: 31-May-18

Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	2018				2019				2020				2021				2
						Q2	Q3	Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Commissioning Bid 1	32	32	28-Sep-18	12-Nov-18	-37																	
Closeout Bid 1	31	31	01-Nov-18	18-Dec-18	-62																	
Commissioning Bid 2	66	66	13-Sep-19	17-Dec-19	18																	
Closeout Bid 2	20	20	13-Dec-19	16-Jan-20	0																	
OUSD Villa Park High School	1004	687	14-Mar-17 A	15-Jan-21	-40																	
Design	325	22	14-Mar-17 A	29-Jun-18	625																	
DSA Review and Approval	157	66	11-Dec-17 A	10-Sep-18	574																	
Bid and Award	130	106	06-Feb-18 A	25-Oct-18	541																	
Construction	551	551	24-Sep-18	02-Nov-20	14																	
Commissioning	301	301	06-Sep-19	30-Oct-20	15																	
FF&E	456	456	01-Feb-19	30-Oct-20	15																	
Closeout	445	445	06-May-19	15-Jan-21	-40																	
OUSD EI Modena High School	876	528	16-Jan-17 A	02-Jul-20	0																	
Predicators	761	409	11-May-17 A	18-May-20	32																	
Management	872	528	16-Jan-17 A	02-Jul-20	0																	
Design	337	0	16-Jan-17 A	27-Apr-18 A																		
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	0	22-Jun-17 A	27-Apr-18 A																		
50% Construction Documents (50% CD)	50	0	23-Oct-17 A	22-Jan-18 A																		
100% Construction Documents (100% CD)	109	0	11-Dec-17 A	30-Mar-18 A																		
DSA Review & Approval	279	94	06-Sep-17 A	11-Oct-18	379																	
DSA Permit	279	94	06-Sep-17 A	11-Oct-18	379																	
Building Permits	30	30	21-Aug-18	02-Oct-18	16																	
Bid & Award	157	157	11-Jun-18	24-Jan-19	341																	
Construction	317	317	19-Dec-18	23-Mar-20	70																	
Sitework	248	248	19-Dec-18	12-Dec-19	139																	
Building	293	293	25-Jan-19	23-Mar-20	15																	
Canopy	30	30	23-Jul-19	03-Sep-19	66																	
Furniture Fixtures & Equipment (FF&E)	270	270	22-Mar-19	13-Apr-20	57																	
Commissioning	320	320	15-Feb-19	18-May-20	6																	
Closeout	71	71	24-Mar-20	02-Jul-20	0																	

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

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Facilities & Planning Department



Facilities & Planning Department

Measure S Bond Program

726 W. Collins Avenue