



Measure S Board Meeting Update

September 6, 2018

Scott Harvey, District Bond Representative
Rory Lorenzo, Bond Program Manager

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Building Value Through Expertise



DSA APPROVAL PROCESS

DSA approval is anticipated and has been received as follows:

- ❖ Orange HS Increment #1 (Infrastructure Upgrades, Move Relocatable Buildings, Bus Drop-Off, Restroom Renovation Project) (04-116673.1) – [Completed March 1, 2018](#)
 - ✓ Orange HS Satellite Kitchen (04-116673.2) - [Completed April 10, 2018](#)
- ❖ Orange HS Science Center - Increment # 2 (04-116859) – [Completed July 12, 2018](#)
- ❖ Villa Park HS Science Center (04-xxx) – [Completed August 16, 2018](#) (1-month early)
- ❖ El Modena HS Science Center (04-xxx) – Anticipated October 2018
- ❖ Canyon HS Science Center(04-xxx) - Anticipated December 2018





CONSTRUCTION PROGRESS

Construction start and tentative scheduled starts, as follows:

- ❖ Orange HS Site Infrastructure Increment #1 - ([In progress](#))
- ❖ Orange HS Science Center (Increment #2) - November 2018
 - ✓ Board approval of Bid - [October 11, 2018](#)
- ❖ Villa Park HS Science Center - December 2018
- ❖ El Modena HS Science Center - Early 2019
- ❖ Canyon HS Science Center - Spring 2019





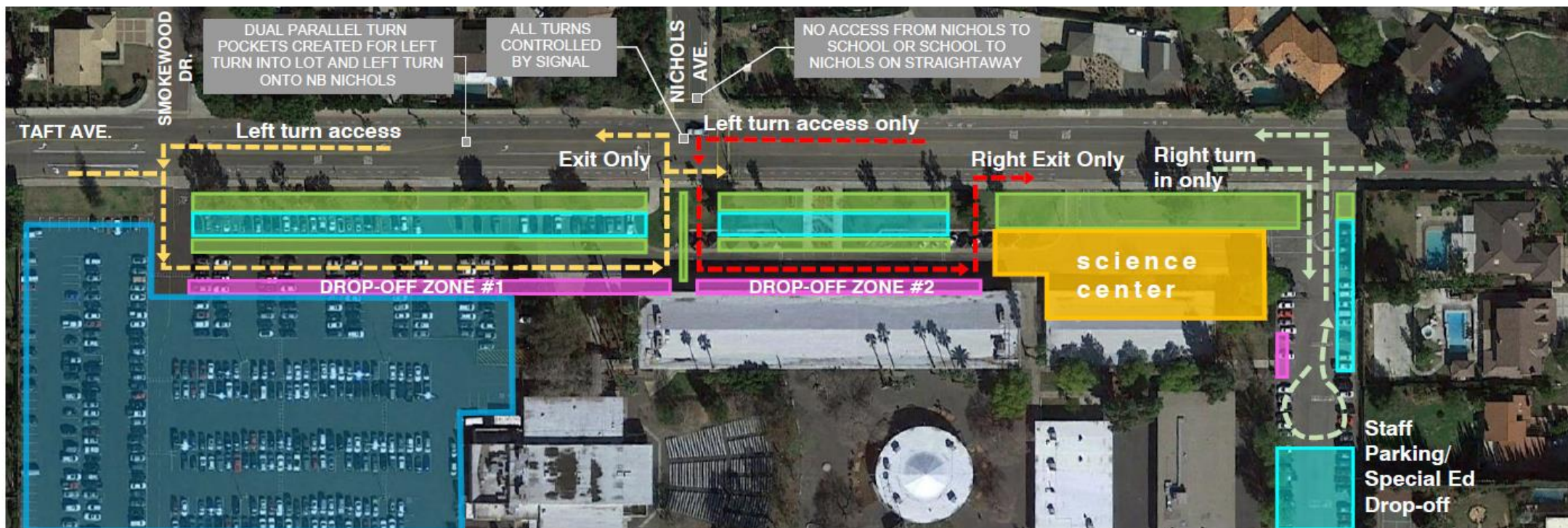
PROGRAM HIGHLIGHTS & MILESTONES

California Environmental Quality Act (CEQA):

- ❖ Canyon HS, El Modena HS, and Orange HS Science Center projects, Notice of Exemptions (NOE) filed and accepted by the County.
- ❖ Villa Park HS Science Center anticipated Board approval of NOE – September 20, 2018
 - ❖ Traffic Flow Plan revised per City discussions
 - ❖ New parking lot entrance at Nichols/Spartan Way proposed
 - ❖ City Council supports District traffic flow plan per collaborative meetings in August 2018.



Proposed Villa Park HS Traffic Flow Plan



LEGEND

- ➔ Vehicular Circulation Drop-off Zone #1 (West)
- ➔ Vehicular Circulation Drop-off Zone #2 (East)
- ➔ Vehicular Circulation Staff Lot
- Faculty Parking
- Student Parking
- Planting
- Drop-off / Loading

CITY REQUESTED DROP-OFF CIRCULATION UPDATED 08.23.18

VILLA PARK HIGH SCHOOL

LPA





PROGRAM HIGHLIGHTS & MILESTONES

Value Engineering Savings:

- ❖ July 2018 – *El Modena HS Science Center*: \$983,581 (Canopy, Corridor Roof, South Elevation Glazing, Elevator, North & South Corridor Glazing).
- ❖ July 2018 - *Canyon HS Science Center*: \$1,600,000 (Interim Kitchen, Revised Exterior Building Skin, Reduced Interior Balcony, Reduced canopy size, Revised Interior Finishes, Con-Ex-Tect structural framing, Combining the bid phase packaging and removed items).
- ❖ June 2018 - *Villa Park HS Science Center*: \$598,484 (Exterior Enclosure, Interior Construction, Equipment, Casework).





PROGRAM HIGHLIGHTS & MILESTONES

Owner Furnished Contractor Installed (OFCI) Equipment:

- ❖ Orange HS Infrastructure (Increment # 1), the electrical equipment started shipment on 6/18/18, stored in the Facilities & Planning Warehouse and picked up by Contractor.
- ❖ Orange High School STEM Building (Increment #2) CMAS Agreement (Board Approved June 7, 2018).
- ❖ El Modena High School STEM Building CMAS Agreement (Board Approved on August 16, 2018).
- ❖ Villa Park HS STEM Building (Increments #1 & #2) OFCI electrical equipment is still in the process of final Architect/Engineer approval.
- ❖ Canyon HS STEM Building OFCI electrical equipment is still in the process of being assembled by Program Management for submittal to Engineer.





Budget Status: Unchanged at \$52,338,588

Schedule Status: Increment #1

- Construction in Progress:
 - Swinerton Builders- Contracted at **\$5,965,424**
- **DSA Approval – April 11, 2018**
- **Start Construction – June 18, 2018**
 - Site Infrastructure & Utility Upgrades
 - New Bus Drop-Off
 - New Satellite Kitchen (Snack Bar)
 - New Utility & Food Service Yard
 - Relocate (5) Portable Classroom Buildings





CONSTRUCTION CHANGE EVENTS

- ❖ A **CONSTRUCTION CHANGE EVENT** be managed according to the **Measure S** Master Specifications **General Conditions 00 72 13, Section 17.**
- ❖ The following change controls will manage the change in real time for integration into the contract process:

CONSTRUCTION CHANGE DIRECTIVE (CD) COST:

- Moving forward with work due to conditions or critical timeframes
- Issued by (CM) with a Not-To-Exceed (NTE) Limit established.
- The CM monitors the activity.

POTENTIAL CHANGE ORDER (PCO) COST:

- General Contractor (GC) proposed cost, which is derived from a cost impact, is generated through official project communication; Request for Information (RFI), Architect's Supplemental Instruction (ASI), Submittal Response or Bulletin.





CONSTRUCTION CHANGE EVENTS

CHANGE ORDER PROPOSAL DAYS (Additive or Deductive):

- General Contractor (GC) proposed days which are derived from a contract change cost impact. These days will add to the contract duration, so must be validate as time impact.

CONSTRUCTION MANAGER (CM) ESTIMATE:

- CM will provide the PCO cost analysis and time extension validation to compare with the GC's PCO cost for material; labor; O&H profit and field conditions, to justify merits and base estimate on what is viable.

CONTRACT CHANGE ORDER (Additive or Deductive):

- The CM rolls up any contract change issue that had been generated by a PCO or a CD issued.
- The cost(s) are reviewed and agreed upon by Project team (AOR; CM; IOR; PM; OUSD and GC), after merits have been reviewed.
- The Change Order packet is then generated for presentation to the District Board of Education for review and approval.





CONSTRUCTION CHANGE EVENTS

CONTRACT CHANGE ORDER REASON CODE LEGEND:

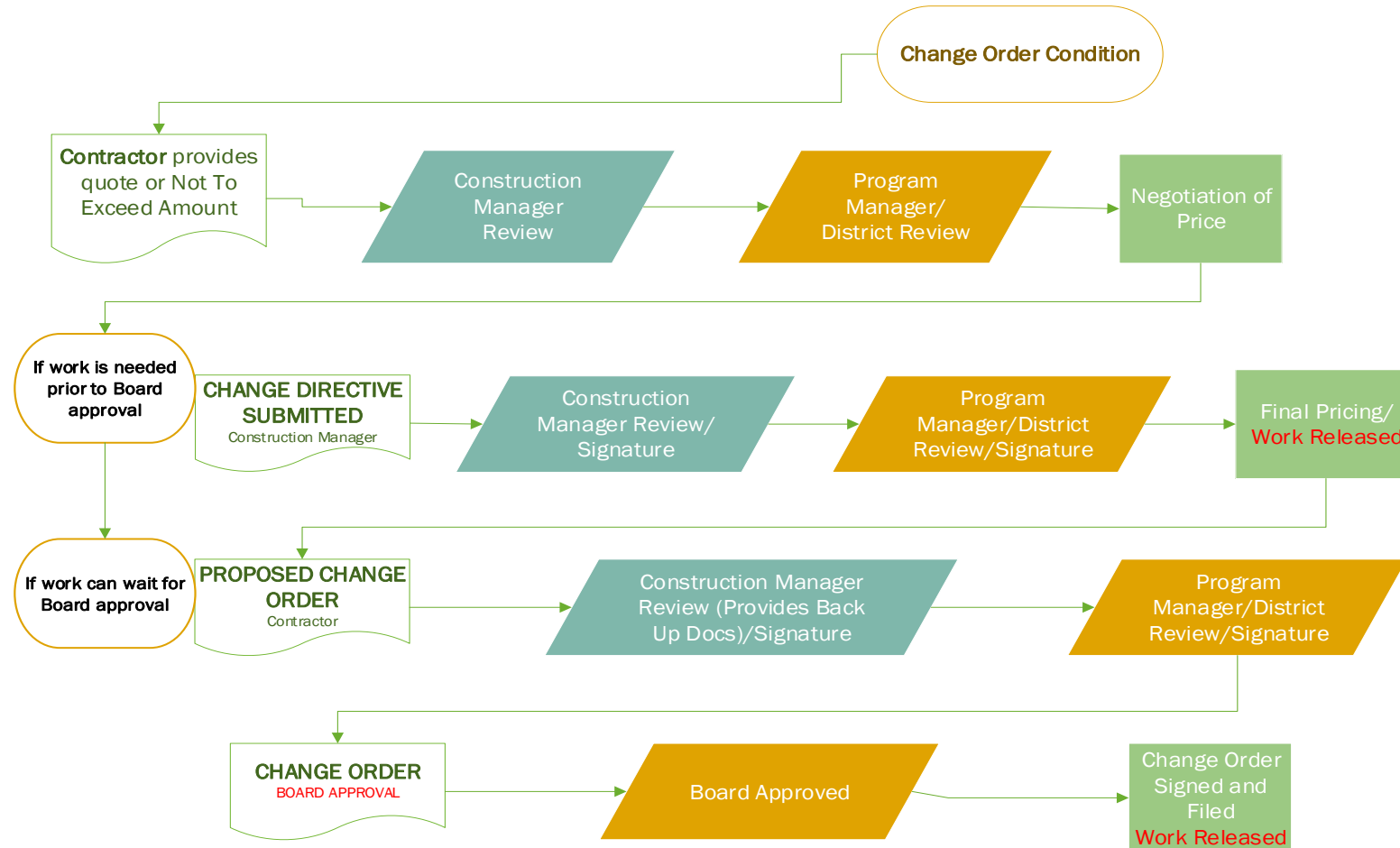
- *Unforeseen Condition Changes* – Uncovered during construction and not included in the contract documents.
- *District Requested Changes* – Any change the District deems necessary to proceed with during this contract activity.
- *Design Related Changes* – Identified by the General Contractor as needing to be addressed to successfully complete the contract, which is not included in the contract documents.

The establishing of reason code's per PCO is handled by Project team (AOR; CM; IOR; PM; OUSD and GC), per agreement.



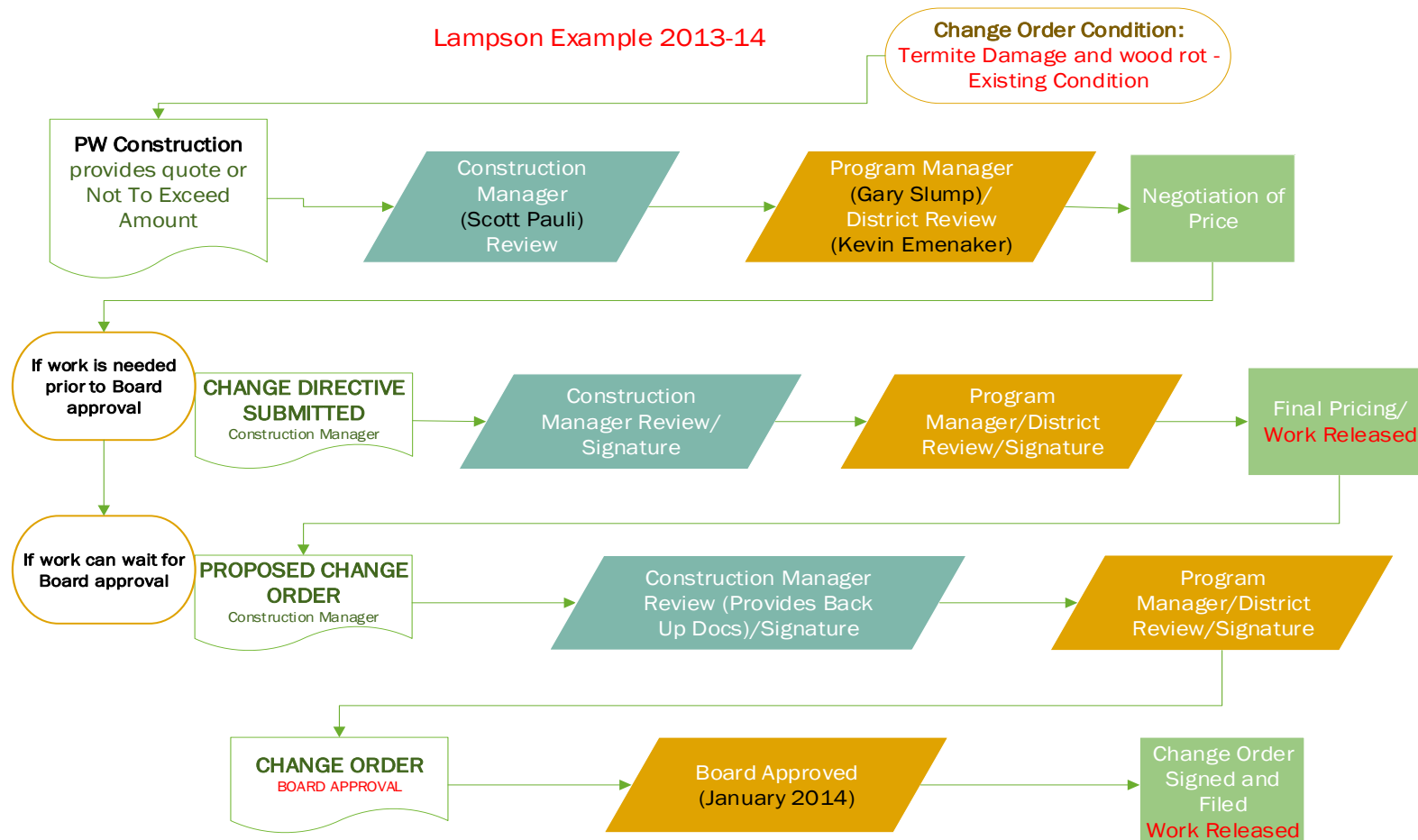


Construction Change Order Flow Chart (Measure S: 2018-19)





Construction Change Order Flow Chart (OUSD Modernization 2013-14)





Increment #1- Original Contract: \$5,965,424.00

CHANGE ORDER #1

Total Contract Change to Date: \$258,994.26 (4.3%)

Unforeseen Changes: \$69,886.00 (1.2%)

New storm drain connection location per the city requirements, unforeseen asbestos abatement.

Design Related Changes: \$181,825.77(3.0%)

Additional earthwork and asphalt related to Satellite Kitchen, provide new electrical service to relocated modular classrooms, fire lane scope of asphalt changed to concrete.

District Requested Changes: \$15,614.00 (0.3%)

Interior painting of relocated modular classrooms

Credits: -\$8331.51 (-0.2%)

Reduced City of Orange permit scope of work



Schedule Status: Increment #2 [\(Procurement\)](#)

- DSA Approval – July 12, 2018
- Bids Due – **September 18, 2018**
- Board Approval- **October 11, 2018**
- Start Construction – **November 2018**
 - New STEM Building (42,300 sqft)
 - 12 Laboratory Rooms
 - 1 General Classroom
 - 2 Medically Fragile Classrooms
 - New Panther Pavilion Plaza
 - New Communications/Data Backbone
 - New Fire Lanes





LPA



Budget Status: Unchanged at \$45,200,000

Schedule Status:

- **DSA Approval – Expected September 2018**
- **Start Construction – Anticipated December 2018**
 - New STEM Building (44,838 sqft)
 - 12 Laboratory Rooms
 - 2 General Classroom
 - 2 Medically Fragile Classrooms
 - Demolish Existing Building 300
 - 9 New Portable Classroom Buildings
 - 250 New Lockers
 - New Driveway Entry
 - Storm water Bioretention Basin
 - New Student Drop-Off



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Budget Status: Unchanged at \$40,756,811

Schedule Status:

- **DSA Approval – Expected October 2018**
- **Start Construction – Anticipated Winter 2019**
 - New STEM Building (42,501 sqft)
 - 12 Laboratory Rooms
 - 1 General Classroom
 - 2 Medically Fragile Classrooms
 - Parking Lot Lighting
 - Technology & Utility Upgrades
 - New Fire Lanes
 - New Communications/Data Backbone





CANYON HIGH SCHOOL
HOME OF THE COMANCHES

gkkworks



Budget Status: Unchanged at \$69,500,000

Schedule Status:

- **DSA Approval – Expected November 2018**
- **Start Construction – Anticipated May 2019**
 - New STEM Building (61,419 sqft)
 - 12 Laboratory Rooms
 - 12 General Classrooms
 - Student Services, Counseling & Administration
 - New Food Services (by Remodel of Admin Bldg)
 - New Multi-Purpose Room Entry
 - 100 Additional Parking Spaces
 - Infrastructure Upgrades
 - Student Drop-off Improvements
 - Relocate Campus MDF (Main Distribution Frame)
 - Parking Lot Lighting
 - New Communications/Data Backbone
 - Secure Quad



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Questions?
