

# Office Of Inspector General Construction Change Order Spot Check Report

Presented By  
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Inspector General

**October 2021**

**Construction Committee**

Los Angeles County Metropolitan Transportation Authority



# Spot Check 1

## 1 - Regional Connector Transit Corridor

### ❖ Add Wye Junction Fan Plant - Construction **\$18,700,000**

- 2015 Fan Plant Budget Board Approved = \$12mil.
- 2021 Fan Plant Actual Expense = \$21 mil. (77% increase)
- Fan Plant cost reported in pieces, as parts completed, but not as a whole
- Cost creep overall over time

### ***Recommendation:***

- Periodically provide to the Board a summary, per project, to show all historical cost increases over life of each project.
- Indicate anticipated LOP increases and how many LOP increases have occurred so far.



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# Spot Check 2

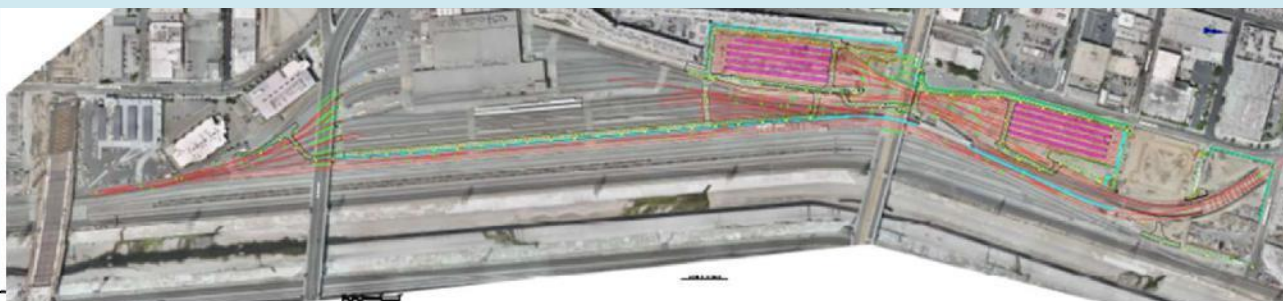
## 2 - Division 20 Portal Widening Turnback

❖ Additional Scope and Additional Requirements for the Division 20 Portal Widening and Turnback Project **\$43,300,000**

- Consultant prepared vault designs using specifications that did not include requirements for Heavy Rail Vehicle (HRV) loading
- Operations review identified as safety issue/ requires major design change to track layout

### ***Recommendations:***

- Include Operations prior to design for their constant input on initial planning.
- Provide Operations with a dedicated full time person to assist in planning, design, and pre-opening implementation phases for infrastructure/capital projects.
- Legal Department to determine if consultant can be held accountable, liable, and enforceable through insurance, bonds, or otherwise to cover large errors of this magnitude.



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# Spot Check 3 and 4

File #  
2021-0591

## 3 - Change Order for Purple Line Section 1

- ❖ Increased Well Maintenance at Western Shaft due to Groundwater Chemistry Impacts **\$2,700,333**

## 4 - Change Order for Purple Line Section 1

- ❖ Additional Dewatering Treatment and Discharge Impacts at Western **\$3,109,648**

- The Geotechnical Baseline Report was not accurate for the soil type, ground water, and hydrogen sulfide levels
- 2020 Dewatering at La Brea Station = \$15.8 mil.
- 2019 Dewatering at La Cienega Station = \$16.8 mil.

### **Recommendation:**

- The OIG recommends that all dewatering change orders for this project should be evaluated or audited.
- Legal Department to determine if consultant can be held accountable, liable, and enforceable through insurance bonds to cover large errors of this magnitude.



½" Garden hose  
8 to 12 gpm



1 ½" Fire hose  
150 to 180 gpm



Wilshire & Western  
pumping 350 gpm

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# Spot Check Schedule Comparison

File #  
2021-0591

Schedule Comparison: new delegated process vs. former Board approval process

PROJECT	Title of Change Order	Time Saved Executed date to Board Mtg.	NEW Delegated Process final SOW to Executed date	Former Board Approval Process
REGIONAL CONNECTOR	Add Wye Junction Fan Plant -Construction	67	10	77
DIVISION 20 PORTAL WIDENING TURNBACK	Additional Scope and Additional Requirements for the Division 20 Portal Widening and Turnback Project	32	31	63
WESTSIDE PURPLE LINE SECT 1	Increased Well Maintenance at Western Shaft due to Groundwater Chemistry Impacts	57	1	58
WESTSIDE PURPLE LINE SECT 1	Additional Dewatering Treatment and Discharge Impacts at Western	56	33	89

# Spot Check Costs

## Summary of Selected Change Order Costs

Four OIG spot checks of Change Orders / Modifications reported

### **1 Change Order for Regional Connector Transit Corridor**

❖ Add Wye Junction Fan Plant - Construction = \$18,700,000

### **2 Change Order for – Division 20 Portal Widening Turnback**

❖ Additional Scope and Additional Requirements for the Division  
20 Portal Widening and Turnback Project = \$43,300,000

### **3 Change Order for Purple Line Section 1**

❖ Increased Well Maintenance at Western Shaft due to  
Groundwater Chemistry Impacts = \$2,700,333

### **4 Change Order for Purple Line Section 1**

❖ Additional Dewatering Treatment and Discharge Impacts at Western = \$3,109,648