



**CAMINO REAL**  
REGIONAL MOBILITY  
AUTHORITY

**CRRMA BOARD  
PRESENTATION**

**El Paso Streetcar Project  
Change Orders 25 to 26**

**Gilbert Gardner  
December 13, 2017**

# El Paso Streetcar Project

## AGENDA

- Project Progress
- Change Order No. 25
- Change Order No. 26
- Change Order Summary
- Questions



# Project Progress

- Percent Complete:
  - MSF 99%
  - Embedded Track 100%
  - MSF Civil & Track 95%
  - Total Infrastructure 93%
  - Vehicles 49%
  - Father Rahm Sidewalk Improvements 90%
  - Cincinnati Improvements 80%



# Project Progress

- Estimated Completion Dates:
  - Civil & Track work (with punchlist) Dec-2017
  - MSF (with punchlist) Dec-2017
  - Downtown Loop and Milestone #1 Jan-2018
  - Vehicle #1 arrival Feb-2018
  - Uptown Loop Mar-2018
  - Vehicle #2 arrival Mar-2018
  - Milestone #2 May-2018
  - System Integrated Testing & Startup Jul-2018

# El Paso Streetcar Project

## Change Order No. 25

### Storm Drain Modifications

For storm drain modifications made throughout project

- 3 Manholes on Oregon were adjusted
- Adjusted storm drain on Kansas & Franklin
- Raised existing grated inlet
- Installed precast grated inlet at Baltimore & Mesa
- Removed deck of junction structure at Stanton Street
- A precast flat top was set to grade

# El Paso Streetcar Project

## Change Order No. 25



| Work Item                                                                            | Cost                |
|--------------------------------------------------------------------------------------|---------------------|
| Oregon storm drain modifications                                                     | \$17,145.31         |
| Kansas & Franklin curb inlet modifications                                           | \$2,281.79          |
| Remove & replace existing storm drain manhole at Stanton and Baltimore               | \$12,700.66         |
| Repair unknown storm drain at OCS foundation at DTC                                  | \$6,067.05          |
| Adjust storm drain grated inlet at Baltimore                                         | \$4,985.92          |
| Install storm drain grated inlet Mesa                                                | \$20,956.12         |
| Remove 8" CMP. Replace with 18" RCP at Baltimore                                     | \$26,574.58         |
| Remove existing storm drain junction structure deck<br>Replace with precast flat top | \$10,456.65         |
| <b>TOTAL</b>                                                                         | <b>\$101,168.08</b> |

# El Paso Streetcar Project

## Change Order No. 26

### Differing Site Conditions

Differing site conditions were found at various locations, so additional work was needed

- Unsuitable subgrade material on Kansas Street
- Unsuitable subgrade material on Stanton Street
- Work was split in 4 areas to manage traffic
- Unknown concrete rubble found along Stanton Street
- Additional rubble found at DTC
- Slurry and concrete utility caps were removed

# El Paso Streetcar Project

## Change Order No. 26



| Work Item                                           | Cost                |
|-----------------------------------------------------|---------------------|
| Unsuitable subgrade Kansas (Father Rahm to Paisano) | \$2,815.13          |
| Unsuitable subgrade Stanton (Crosby to Rim)         | \$189,082.92        |
| Miscellaneous concrete removal                      | \$42,696.14         |
| <b>TOTAL</b>                                        | <b>\$234,594.19</b> |



# Change Order Summary

- Budget Impact
  - Change Order No. 25 \$101,168.08
  - Change Order No. 26 \$234,594.19
  - Sum of Change Orders (25 to 26) \$335,762.27
  - Total Cost of Change Orders (1 to 31) \$9,235,350.83
- Project remains on schedule and within budget

# Questions?



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