



CAMINO REAL
REGIONAL MOBILITY
AUTHORITY

CRRMA BOARD PRESENTATION

El Paso Streetcar Construction Status Report

**Gilbert Gardner
November 9, 2016**

El Paso Streetcar Infrastructure Construction Status Report



AGENDA

- Progress Summary
- SBE Progress
- Construction Update
- PCC Vehicle Remanufacture
- Implementation and Operations Plan Development
- Community Involvement
- Construction Management
- Questions



Progress Summary



The Streetcar Project is on budget and on schedule.

- Infrastructure contract sum \$ 62,995,747.06
- Total completed to date \$ 27,988,397.12
- Percent completed to date 44.43%
- Work Breakdown
 - Base Bid 1 – Civil Track MSF \$ 20,866,730.69
 - Base Bid 2 – Waste Water Repl. \$ 913,952.25
 - Base Bid 3 – Potable Water Repl. \$ 3,078,412.50
 - Base Bid 4 – CBD4 \$ 1,767,789.87
 - Change Orders \$ 1,361,511.81

SBE Progress

- Project SBE Goal of 8% or \$4,888,208
- To date, PDNT has used 16 SBE subcontractors from the local community
- 2 new SBE subcontractors have been added
- SBE subcontractors have completed \$2,145,442 worth of work to date



Construction Update

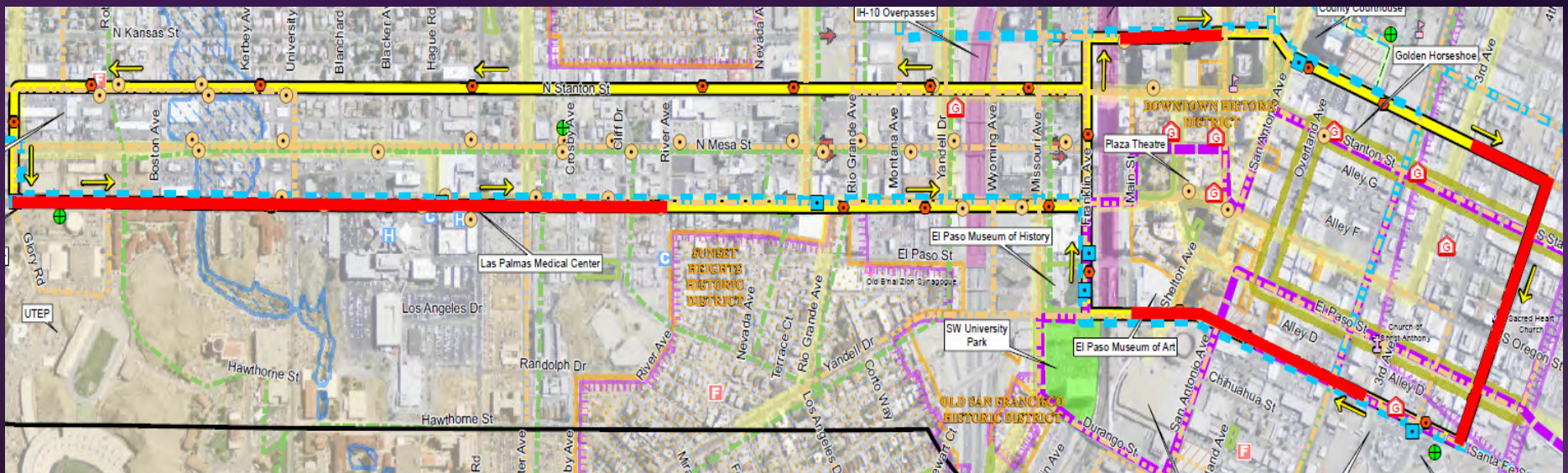
The Maintenance and Storage Facility (MSF) is currently on schedule

- Interior walls and mechanical systems in progress
- Steel erection in progress
- Masonry block walls complete



Construction Update

- 3,000 cubic yards of concrete have been poured
- Embedded track work is 35% complete
- Where track has been placed (in red):



Construction Update

- 40% complete with standard OCS pole foundations
- 90% complete with rock-drilled OCS pole foundations
- Traction Power Substation (TPSS) conduits are installed at TPSS A1, A3 and are in progress at TPSS A2



Construction Update



- Track work continues along Kansas Street, Franklin Avenue and Paisano Drive
- Base Bids 2 & 3 (water line and sanitary sewer work) are approximately 90% complete
 - Water line and sewer line replacement continues on Stanton Street
 - Sewer line replacement is complete on Santa Fe and Oregon Street
 - Sanitary sewer work for Stanton realignment has started

Construction Update



- Work on Father Rahm Avenue and Kansas Street is approximately 90% complete
 - Embedded track construction is complete on Kansas, South of Paisano and Father Rahm Avenue
 - Paving to be completed before Thanksgiving
 - OCS foundation work is complete

PCC Vehicle Remanufacture



- Contractor: Brookville Equipment Corporation (BEC)
- Notice to Proceed: October 15, 2015
- Contract value at award: \$18,794,265.00
 - Contract Amendment: \$ 77,782.10
 - Current contract value: \$ 18,872,047.10
 - Invoiced to date: \$ 8,064,310.10
- Work includes six vehicles, system support, training, and spare parts

PCC Vehicle Remanufacture

- Six vehicles are at BEC for remanufacturing
 - Car bodies appear to be in very good condition
- Two vehicles were stripped
- One vehicle was grit blasted to bare metal
- Design process continues and work is on schedule
- Cab Mock Up Review & Car Structural Evaluation at BEC - October 19th
- Delivery of vehicles for testing is scheduled between December 2017 - July 2018

PCC Vehicle Remanufacture

- The designs for the integration of these items are progressing as planned
 - Wheelchair lift
 - HVAC
 - Pantographs
 - Brake systems
 - Door systems
 - Battery systems
 - Car body repair



Implementation & Operations Plans Development



- Coordinating with Sun Metro
- Will be ongoing through start up and testing
- Includes training and certifications to operate for revenue service

Community Involvement



- Recent presentations to neighborhood/civic groups:
 - Texas Society of Professional Engineers (EP Chapter)
 - Infrastructure & Development Committee of the Greater El Paso Chamber of Commerce
 - Central Business Association
 - Kern Place Association (Community Design Meeting)
 - American Council of Engineering Companies (EP Chapter)

Community Involvement



- Held weekly stakeholder meetings
- Weekly special event coordination meetings
- Bilingual door to door notifications
 - North Stanton Street
 - Cincinnati Avenue
 - Oregon Street near El Paso Community College

Community Involvement



- Coordinated directly with City of El Paso and Destination El Paso to minimize construction impacts on Celebration of Lights and WinterFest
- Public relations team began attending weekly traffic control meetings with PDNT and the City of El Paso
- Coordinated directly with Kern Place and Father Rahm Avenue business owners to minimize holiday shopping impacts

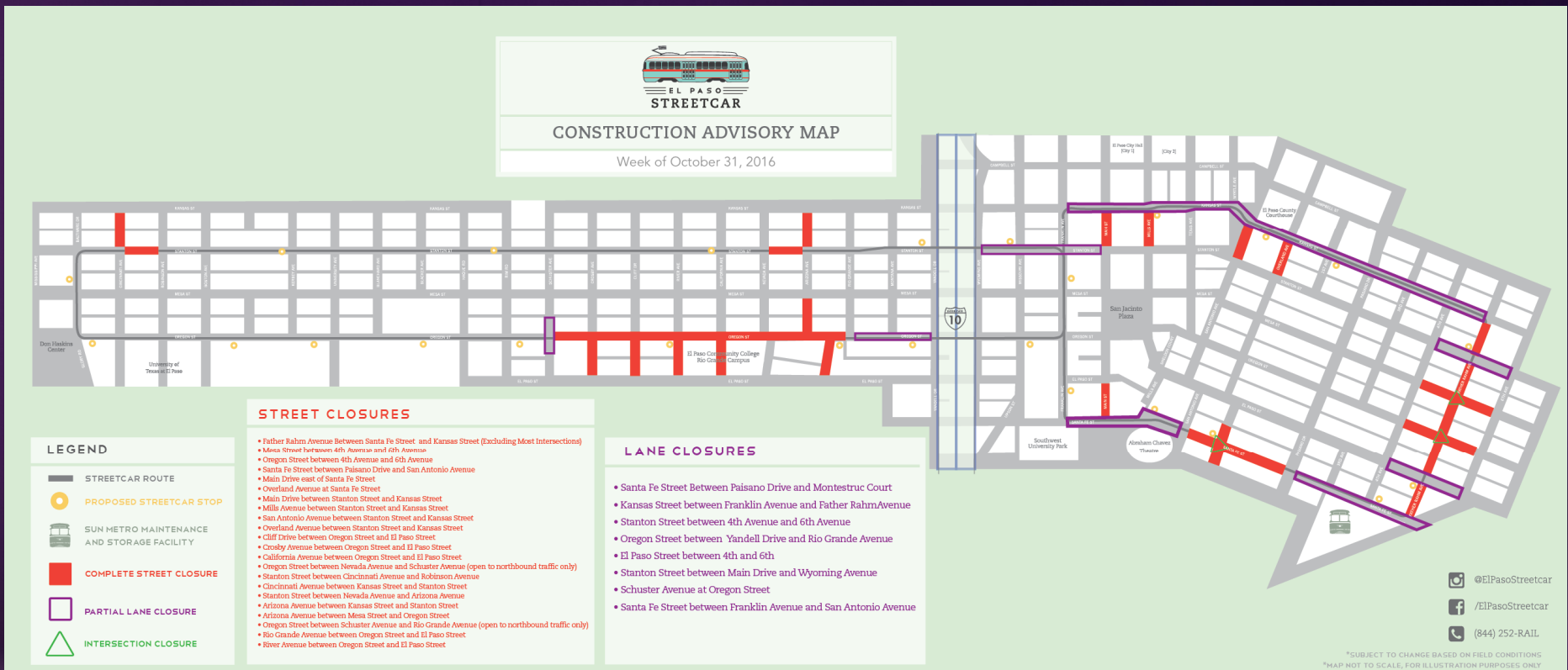
Community Involvement



- Produced and posted videos online, explaining street closures and lane restrictions
- Project Hotline (844) 252-RAIL (7245)
- Issued weekly E-newsletters and provided regular updates to Facebook and Instagram

Community Involvement

Construction Advisory Map



Construction Management



- Submittals
 - 412 received up to date
 - 397 are closed, 15 are being processed
 - Estimated total of 1,746 Submittals and Deliverables
- Request for Information (RFIs)
 - 294 received up to date
 - 282 are closed, 12 are being processed
- Quarterly Partnering Sessions with Contractor

Questions?



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