



PPRTA QUARTERLY REPORT
El Paso County Department of Public Works

4th Quarter 2017
February 2018



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PROJECTS AND PROGRAM UPDATE
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Executive Summary

The fourth quarter saw continued progress with the County's PPRTA capital projects. Construction under the 2017 maintenance program proceeded as planned.

The Meridian Road South project is the remaining El Paso County project for the 2005-2014 capital program. This project is in design and has been combined with the 2015-2024 project for New Meridian/US Highway Intersection. Progress also continues on the other initial projects of the 2015-2024 capital program with Highway 105, Meridian Road/McLaughlin Road Roundabout, and Monument Hill Road in various stages of design; and the West Colorado Avenue project in construction.

Final design for the **Highway 105** Segment A is progressing. The CDOT Right of Way Plan Review meeting occurred in the second quarter and property acquisition began in the third quarter and is progressing. Preliminary design for the rest of the corridor is substantially complete. The preliminary design will build on the Corridor Planning/Conceptual Design effort completed by El Paso County in 2012. Construction of segment A is anticipated to begin in 2018.

Final design for the **Old Meridian Road/McLaughlin Road Roundabout** project is in progress by the El Paso County Engineering Division.

Property acquisition continues in the fourth quarter for the **Monument Hill Road** project. Further utility coordination and environmental clearances were advanced, and construction plans were completed during this quarter.

Final design of the **New Meridian Road Extension/US Highway 24 Intersection** continued in the fourth quarter. This project is being designed and will be constructed in conjunction with the federally funded Falcon Park & Ride project. The Meridian Road Extension project is an "A" list project from the 2004 capital project list.

The **West Colorado Avenue** project continues to make significant progress on major drainage and utility installation, and roadway construction in the Manitou Springs portion of the project with the installation of new curb & gutter, curb inlets, and foundations for the new street lights. Construction of the CSU 30" raw water line has been a major effort this quarter with completion of this element targeted for the first quarter. Interim creek relocation has occurred in preparation for construction of the new walls and bridge foundations. Demolition of existing walls and the bridge abutments has progressed in conjunction with the installation of temporary shoring along the existing roadway on either side of the bridge.

The **2017 maintenance program** contracts including chip sealing, paving, concrete repair and rehabilitation work was substantially complete in the 3rd quarter of 2017. El Paso County graveled 3.2 miles in the 4th quarter.

Capital Programs PPRTA Budget Summary

The following tables summarize the cumulative program budget for each project and identify the current status of the project.

2005-2014 Capital Projects

2015-2024 Capital Projects

Project Name	Cumulative Budget Thru 2014	Status
Baptist-Hodgen Connection	\$ 2,062,003	Completed
Akers Drive	\$ 1,714,614	Completed
South Metro Accessibility	\$ 25,017,190	-
Phase I- Westmeadow Br.		Completed
Phase II- SH 115 to B St.		Completed
Phase III- PPCC to I-25		Completed
Phase IV- B St to PPCC		Completed
County Line Rd Upgrade I-25 to Furrow Rd	\$ 7,400,000	Completed
Meridian Rd Widening Woodmen Rd to Rex Rd	\$ 7,520,632	Completed
Hodgen Rd Upgrade SH-83 to Eastonville Rd	\$ 19,059,935	-
Phase I – SH-83 to Black Forest Rd		Completed
Phase II – Bar X to Goshawk & at Meridian		Completed
Baptist Rd Widening I-25 to Tari Drive	\$ 8,568,100	Completed
Struthers Extension/Jackson Creek Falcon Nest to Baptist Rd	\$ 3,714,500	Completed
Marksheffel Rd Widening & Extension PAFB to Black Forest Rd	\$ 19,100,209	Completed
Baptist Rd Widening Mitchell Ave to I-25	\$ 544,729	Completed
Baptist Rd RR Xing Overpass at BNSF/UP / Monument Creek	\$ 10,861,241	Completed
Meridian Rd Extension Falcon Hwy to US-24	\$ 513,411	Design (Combine with 2015-2014 -New Meridian/US 24)
Stapleton Drive (West)-Eastonville Rd to US-24	\$ 2,343,267	Completed
Marksheffel Rd Widening Mesa Ridge Parkway to US-24	\$ 32,231,078	Completed
Stapleton Drive (East)-US-24 to Curtis Rd	\$ 5,250,000	Completed

Project Name	Cumulative Budget Thru 2017	Status
Beacon Lite Rd	\$ 3,154,552	Not Yet Started
Black Forest Rd <i>(joint w/ City of Colorado Springs)</i>	\$ 0	City Led Project
Deer Creek, Base Camp, Microscope Way (fka Emigrant)	\$ 200,000	Not Yet Started
Eastonville Rd	\$ 8,525,000	Not Yet Started
Fontaine Blvd/Security Blvd/Widefield Blvd Intersection	\$ 1,250,000	Not Yet Started
Highway 105	\$ 5,799,900	Design
Main St/Security Blvd	\$ 750,000	Not Yet Started
Old Meridian/McLaughlin Roundabout	\$ 2,376,000	Design
Mesa Ridge Parkway	\$ 750,000	Not Yet Started
Monument Hill Rd	\$ 3,965,000	Design
New Meridian/US Hwy. 24 Int.	\$ 4,608,000	Design
South Academy Blvd	\$ 1,851,407	Not Yet Started
Stapleton Drive/Briargate Blvd Corridor Study <i>(joint w/ City of Colorado Springs)</i>	\$ 314,000	Not Yet Started
Tutt Blvd Extension <i>(joint w/ City of Colorado Springs)</i>	\$ 555,000	City Led Project
West Colorado Ave <i>(joint w/ City of Manitou Springs/City of Colorado Springs)</i>	EPC \$7,074,321 COS \$11,067,000 TOT \$18,141,321	EPC Led Project Construction

Project Status Reports: 2015-2024 Capital Projects

Highway 105

Project Description: The Highway 105 project will evaluate, design and construct capacity and safety improvements between the I-25 off ramps and SH 83. The corridor is approximately five miles in length and improvements will be phased as required. A corridor study outlining the proposed conceptual improvements, funded by El Paso County was completed in 2012. This corridor study will serve as the starting point for design of the corridor improvements. For conceptual planning purposes, the corridor was broken into 5 project segments:

- Project A – I-25 off Ramp to Lake Woodmoor Drive (Sta 103+00 to 151+50)
- Project B – Lake Woodmoor Drive to Martindale (Sta 151+50 to 198+00)
- Project C – Forest Drive Loop (Sta 206+00 to 241+50)
- Project D – Rollercoaster Road (Sta 273+00 to 297+50)
- Project E – All Remaining segments not included in Projects A, B, C, & D

Project Segment A has also been approved for federal funds and is anticipated to be the first segment constructed. Final design of Segment A is underway.

Project Team:

- Designer: HDR

Cost Summary:

- PPRTA Total Budget – \$19,559,805
- Preliminary Design Contract Authorized – \$691,825
- Federal Funds for Project A – \$5,565,943 (\$4,608,045 federal / \$957,898 local match)

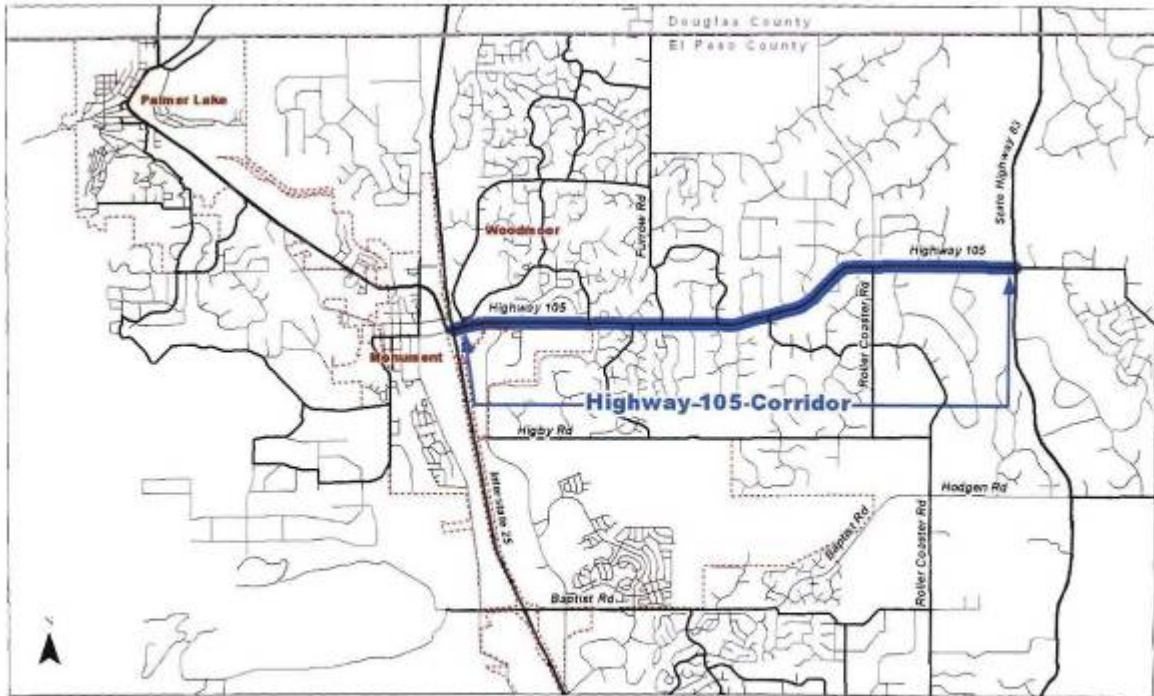
Schedule Summary:

- Conceptual design completed – 2012 (funded by El Paso County Road & Bridge)
- Preliminary design for entire corridor – 2015 to 2018
- Project A - Final design 2016 to 2018
- Project A – Construction 2018 and 2019
- Project Segments B-E – Final design & Construction TBD

Project Status:

- Preliminary design for the entire corridor is substantially complete.
- Final Design for Project A is in progress and construction is anticipated in 2018 and 2019.
- CDOT Right of Way Plan Review occurred in the 2nd quarter of 2017 and property acquisition discussions are in progress.
- Information on the corridor Plan / Conceptual Design is available at www.105corridor.com

Figure 1.1: Study Area Vicinity Map



Old Meridian Road / McLaughlin Road Roundabout

Project Description: This project involves reconstructing the McLaughlin Road / Old Meridian Road intersection as a modern single-lane roundabout and upgrading the Old Meridian Road cross-section toward US-24. The current intersection consists of three approaches with poor alignment resulting in driver confusion and traffic conflicts. The project is a safety improvement that will include pedestrian facilities at the intersection and along Old Meridian Road to the southeast and McLaughlin Road to the northeast. The project will also necessitate drainage improvements to accommodate runoff from the contributing areas, involving a new storm drain system in Old Meridian Road to US-24.

Project Team:

- Designer: El Paso County Engineering Division

Cost Summary:

- PPRTA budget: \$ 2,376,000

Schedule Summary:

- Final Design: 2017/2018
- Property Acquisition: 2018
- Utility Relocation: 2018
- Construction: Anticipated 2018

Progress/Status:

- Final design in progress



Vicinity Map



Northwest view at McLaughlin/Old Meridian



Aerial Map

Monument Hill Road

Project Description: Monument Hill Road is a 2.4 mile, 2-lane asphalt road operating as a rural local road in northern El Paso County, Colorado with Douglas County to the north and the Town of Monument to the south. It extends from County Line Road to Woodmoor Drive providing access to local residents, and significant traffic uses this route as a frontage road for Interstate 25 and collector access to Monument. The road has many safety issues and a high accident record, including two fatalities in recent history.

This project consists of design of safety enhancements along Monument Hill Road. Anticipated enhancements include improvements to sight distance, horizontal and vertical alignments, drainage, and water quality, as well as the addition of shoulders and intersection and multimodal improvements.

Project Team:

- Design Consultant: AECOM

Cost Summary:

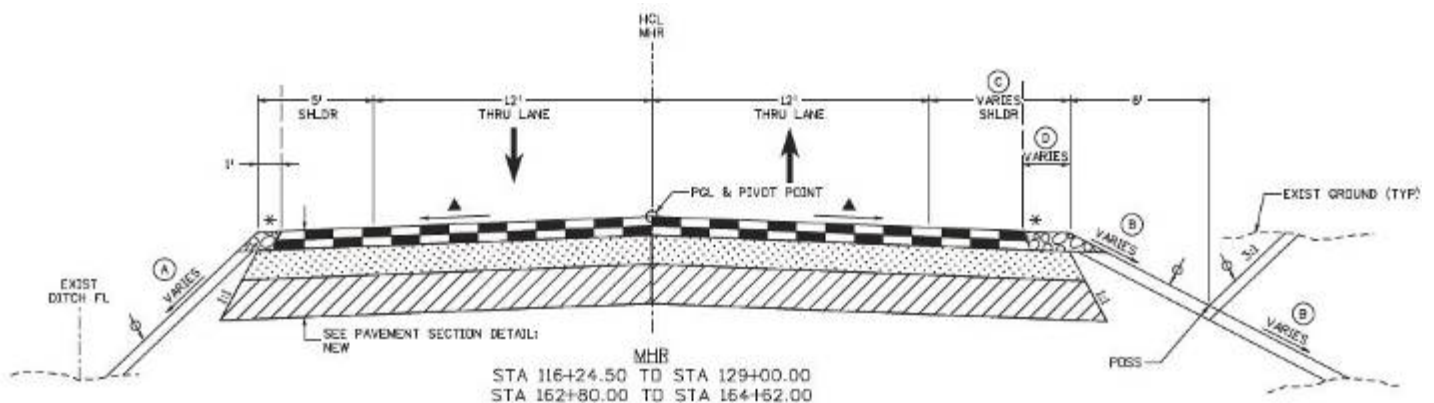
- Total PPRTA budget - \$ 3,965,000
- Contracts authorized - \$ 857,820

Schedule Summary:

- Design: 2015 – 2017
- Property Acquisition: 2017 / 2018
- Construction: Anticipated Spring 2018

Progress/Status:

- Final Plans, Specs, Cost Estimate and Right-of-Way Plans Complete
- Property Acquisition nearing completion



Example of typical roadway cross section

New Meridian Road Extension/US Highway 24 Intersection

Project Description: Intersection improvements at Old Meridian/US-24, New Meridian/US-24 (2014 PPRTA “A” list project); New Meridian Extension from US-24 to Falcon Highway (2004 PPRTA “A” list project), and the Falcon Park & Ride (federal funds project). These projects will be designed and constructed concurrently for cost and time efficiencies. Inadequate auxiliary lanes on Old Meridian Road currently cause delays; skewed intersection limits driver sight distance, increases pedestrian exposure and reduces capacity at US-24. Improvements include removing the traffic signal at Old Meridian/US-24 and converting access control at this location to a right-in/right-out; and completing New Meridian/US-24 as a signalized intersection with adequate turn lanes at all approaches. Improvements will maximize intersection operational efficiency, increase motorist and pedestrian safety and provide appropriate auxiliary lanes and drainage improvements.

Project Team:

- Designer: HDR
- CM/Contractor: TBD

Cost Summary (not including Park & Ride):

- PPRTA budget: \$ 4,608,000 Intersection
\$ 513,411 Meridian Rd. ext.

Schedule Summary:

- Design: Final Design 2017 / 2018
- Property Acquisition: 2018
- Construction: Anticipated to begin 2018

Progress/Status:

- Final design in progress.
- Coordination continues with CDOT, City of Colorado Springs, Mountain Metro Transit and other stakeholders.



Existing Meridian Road approaching US-24

West Colorado Avenue

Project Description: This project is a joint effort between El Paso County, the City of Manitou Springs, and the City of Colorado Springs. El Paso County is managing this multi-jurisdictional project. The Corridor Study phase developed recommendations for short term transportation and safety improvements and a long range livable, walkable, economic vision for the 1.5 miles of West Colorado and Manitou Avenues between North 31st Street and the US-24 interchange. The planning phase of the project (funded by CDOT) concluded with a Public Open House on March 20, 2013 in which the preferred three lane option, as recommended by citizens and stakeholders, was presented to the public. The three lane option involves one traffic lane in each direction eastbound and westbound and a center left-turn lane. A dedicated left turn lane would reduce accidents, primarily caused by cars stopping to make left turns on the current cross-section. The preliminary design phase (funded by CDOT) was completed in late 2014 and resulted in 30 percent design plans for the corridor. Final design was substantially completed in 2016 culminating in an RFP being issued for construction in the fourth quarter of 2016.

The major project elements include roadway improvements, a new bridge and wall structures associated with the relocation of portions of Fountain Creek and the Midland trail, signals, drainage and utility improvements including new water and sanitary facilities, street lighting, and undergrounding of most of the overhead electric and communication lines, sidewalks, and streetscape/landscaping elements,.

Project Team:

- Design Consultant: FHU
- Construction Manager: Jacobs (formerly CH2M)
- Contractor: Wildcat Construction

Cost Summary:

- Total project budget - \$30,930,475 (CDOT RPP budget - \$800,000, PPRTA budget - \$24,078,000, RAMP budget - \$2,602,475, Other - \$3,450,000)

Schedule Summary:

- Corridor Study - Complete (2013)
- Preliminary Design (30%) - Complete (2014)
- Final Design – substantially completed in 2016
- Selection of construction manager & construction contractor – (4th quarter 2016)
- Property Acquisition -2016/2017
- Construction 2017/2018

Progress/Status:

- Project website: www.westsideavenueplan.com
- Work was substantially completed on the installation of storm water, water and sanitary sewer infrastructure in the Manitou Springs portion of the project.
- Curb and gutter and foundations for the new street lights were installed.
- Installation of the CSU 30” raw water line under the creek and the new bridge location was a major accomplishment of this quarter. Work to extend the 30” line to the east also progressed.

- Temporary shoring was installed to support the remaining road so that the existing walls could be demolished.
- Fountain Creek was temporarily relocated around the construction site to prepare the site for wall construction and for the bridge foundation work targeted for the first quarter. Excavation and site prep in the former creek location continued including building temporary access ramps to bring in heavy equipment and materials.
- Traffic control to facilitate through traffic and access to the businesses during this heavy construction continues to be a major component of construction.
- Public information efforts continue and include weekly traffic advisories, and lane closure reports, weekly-U-tube broadcasts on the County Facebook site describing weekly activities accomplished and upcoming activities.
- The project team has also initiated informal periodic “Coffee with the Contractor” forums to discuss issues and concerns with the contractor and to brief the public on upcoming activities.
- Property acquisition activities are continuing including identification of needs, discussions with impacted property owners, development of legal descriptions and appraisals.



Constructing Concrete anchors for 30” water line



Lifting Casing for 30" pipe



Installation of conduit for streetlights

Program Status Reports: 2017 Maintenance Programs

2017 Graveling Program 4th Quarter Report

El Paso County Highway crews graveled Yoder, Brentwood and Mid Jones Road. They completed approximately 3.2 lane miles in the fourth quarter. PPRTA funds were used to purchase the gravel.

Brentwood/Mid Jones Graveling

