



PPRTA QUARTERLY REPORT
El Paso County Public Services Department

1st QUARTER – 2011
May 2011



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PROJECTS AND PROGRAM UPDATE
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Executive Summary

The first quarter saw continued progress with the County's PPRTA capital projects, as well as commencement of the 2011 maintenance program.

The **Hodgen Road** project began in March 2011. The project is expected to be complete by the end of 2011.

The **Marksheffel Road** four lane project which includes the improvements between Colorado Tech Drive and North Carefree Circle continues to make substantial progress. The new signal poles at the intersection of Constitution and Marksheffel have been installed and put into operation. Construction is expected to be complete in the fall of 2011.

The **County Line Road** project as currently budgeted has insufficient funds to proceed with the project as currently configured. Staff continues to evaluate options for reducing overall costs, and/or providing supplemental funds, including preliminary discussions with Douglas County for possible cost sharing.

Construction began on the **Meridian Road (North)** project in September 2010. The project will upgrade the southbound lanes from Woodmen to Stapleton and adds a second southbound left turn lane at Woodmen. A Change Order to add signals at the Meridian Road/Londonderry Drive intersection has been added to the construction contract. This project is scheduled for project in the summer of 2011.

The preliminary corridor analysis has been completed and the preferred alternative has been identified for the **Meridian (South)** project. With the completion of the Intergovernmental Agreement with CDOT the preliminary design has commenced and is nearly complete. A contract amendment for final design is expected to be brought for consideration during the second quarter.

The construction contract was awarded in September 2010 for the two-lane connection of **Stapleton Drive** from Eastonville Road to US 24 in Falcon. Property acquisition and utility relocations were completed during the first quarter and work continues on the subsurface stabilization and drainage improvements. Construction is under way and expected to be completed in the summer of 2011.

Significant work was completed in the first quarter with respect to planning and contracting with vendors for the **2011 maintenance program**. Contracts were approved for the asphalt overlay program, concrete surface drainage program, asphalt crushing and aggregates and oil for chip seal program. In addition, graveling was completed on the Holtwood Road project.

Capital Programs PPRTA Budget Summary

The following table summarizes the 2011 program budget for each project and identifies the current status of the project.

PPRTA- Group A- Capital Project Ten year Summary – 2011 Budget							
Project Name	Original Project Budget	2011 Revised Project Budget	Cumulative Budget Thru 2011	Budgeted - 2012	Budgeted 2013-2014	Total Budgeted	Status
Baptist-Hodgen Connection	1,070,000	2,062,003	2,062,003			2,062,003	Completed
Akers Drive	2,300,000	1,714,614	1,714,614			1,714,614	Completed
South Metro Accessibility	20,000,000	25,581,582	25,031,821	219,761		25,251,582	
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 Road Upgrade I-25 to Furrow Road	2,150,000	3,714,500	2,274,135	1,440,365		3,714,500	Design
Meridian Road Widening Woodmen Rd to Rex Rd	5,500,000	7,613,409	5,045,079	2,568,330		7,613,409	Construction
Hodgen Road Upgrade SH 83 to Eastonville ***	12,000,000	16,665,180	16,465,180	200,000		16,665,180	Construction
Baptist Road Widening I-25 to Tari Dr	6,200,000	8,773,026	8,773,026			8,773,026	Completed
Struthers Extension/Jackson Creek Falcon Nest to Baptist Road	2,200,000	3,714,500	3,714,500			3,714,500	Completed
Marksheffel Road Widening & Extension PAFB to Black Forest Road	13,500,000	19,298,835	19,298,835			19,298,835	Construction
Baptist Road Widening Mitchell Ave to I-25	750,000	1,044,729	200,000	844,729		1,044,729	Planning
Baptist Rd RR Xing Overpass at BNSF/ UP / Monument Creek	2,600,000	3,621,727	148,308	973,419	2,500,000	3,621,727	Planning
Mendian Road Extension Falcon Hwy to US 24	375,000	513,411	513,411			513,411	Design
Stapleton Drive (West)-Eastonville Rd to US 24	1,250,000	2,071,215	2,071,215			2,071,215	Construction
Marksheffel Road Widening Mesa Ridge Pky to Hwy 24	22,800,000	31,759,762	0	7,410,573	24,349,189	31,759,762	Planning
Stapleton Drive (East)-US 24 to Curtis Road	1,250,000	1,741,215	0	641,215	1,100,000	1,741,215	Planning

Project Status Reports
Capital Projects

Hodgen Road Corridor Improvements

Project Description: This project consists of safety improvements to upgrade Hodgen Road to two lane arterial standards from State Highway 83 through the Black Forest intersections.

Project Team:

Designer: URS Corporation

Construction Management: Wilson and Company

Construction: R.E. Monks Construction Company

Cost Summary:

- PPRTA budget - \$16,665,180
- Total estimated project cost - \$13.14 M
- Design/Property Acquisition Contracts authorized - \$1,835,194
- Estimated property acquisition cost - \$712,000
- Utility relocation design agreements authorized - \$251,436
- Utility relocation construction authorized - \$4,209,354
- Construction management authorized - \$775,737
- Construction authorized - \$5,312,858

Progress/Status:

- Roadway Construction is in progress
- Utility Relocation construction is in progress
- Property acquisition is nearly complete, with less than five parcels remaining.

Schedule/Target Dates:

- Construction – The project will be substantially complete in 2011.



Roadway Construction looking west along Hodgen Road

Marksheffel Road

Project Description: This PPRTA project will expand Marksheffel Road to a four lane principal arterial between Dublin and Colorado Tech Drive. Ultimately this road is planned to be a six lane principal arterial roadway. Although preliminary design has been completed for the entire stretch, current program funding is not sufficient to accomplish the widening for the entire length. The first phase of construction will build the improvements between Colorado Tech Drive and North Carefree. Future phases will depend on additional funding being identified.

The first phase of construction has been awarded to R.E. Monks Construction and construction is underway. The road will be reconstructed to provide a four lane curb and gutter section with a raised center median. Auxiliary and bike lanes will be provided as required, and the intersection at Marksheffel and Constitution will be reconstructed with new signals to accommodate the widened roadway. The construction will include a storm drain system as well as two water quality ponds. The vertical profile of the expanded roadway will be revised as required and will entail the rebuilding of the intersection of Marksheffel and North Carefree. The new four lane section will transition back to the existing two lane section just north of this intersection.

There are significant utility relocations and new installations required in this section to accomplish the improvements. The improvements have required that additional ROW and easements be obtained along both sides of the corridor to facilitate the improvements. Most of the ROW/Easement acquisition has been completed; however, there are still two property acquisition efforts underway. The construction effort is being advanced accordingly.

Project Team:

Designer: -Wilson & Company - (Constitution to Dublin)
Designer: - Matrix Design Inc. - (Colorado Tech to Constitution)
Construction Management: Jacobs Engineering
Construction Contractor: R.E. Monks Construction

Cost and Schedule Summary:

- PPRTA budget - \$19,298,835
- Contracts authorized - \$11,745,220
- Utility Reimbursement Agreements Authorized – \$3,942,057
- Property Acquisition – (paid or checks requested) - \$3,367,904
- Property acquisition – 2009/2010/2011
- Utility Relocation –2010/2011
- Construction – 2010/2011

Progress/Status:

- The construction contract was awarded to R.E. Monks in May with the contractor mobilizing on site after the 2010 Memorial Day weekend.
- The underground utility relocation work has been substantially completed including major relocations by MVEA, Cherokee, Rocky Mountain Pipeline, Qwest, CSU gas,

CSU fiber, and The Southern Delivery System. Some minor conflicts still exist but these are being addressed.

- The new signal poles at the intersection of Constitution and Marksheffel have been installed and put into operation.
- Traffic has been shifted onto temporary detour pavement to allow construction of the northbound lanes.
- The storm sewer trunk line and most laterals and inlets have been installed.
- Preparation of subgrade for the widened roadway has commenced. Once the roadway subgrade is prepared, installation of curbs and pavement of the northbound lanes will be able to proceed.
- Possession & Use Agreements have been executed on the two remaining parcels at the south end of the project in accordance with the Vacant Land Exchange Agreement approved by the BOCC last quarter. This allowed construction work to proceed in this area. Closing on these properties is anticipated during the second quarter.



Subgrade Stabilization

County Line Road (I-25 to Furrow Road)

Project Description: This project will institute safety improvements along the corridor between I-25 and Furrow Road to include adding shoulders, revisions to the vertical profile and horizontal alignments, drainage improvements, providing turn lanes at key intersections and major reconstruction and widening of the intersection at Furrow Road

Project Team:

Designer: Stantec

Cost Summary:

- PPRTA budget - \$3,742,553.00
- Contracts authorized - \$503,055.00
- Amounts invoiced - \$481,459.89
- Property Acquisition- 2011/2012
- Utility Relocation- 2011/2012
- Construction- 2012

Progress/Status:

- Planned project improvements will include adding shoulders, reconfiguring the horizontal and vertical profiles in the area just west of Furrow Road and realigning the intersection at Furrow Road including providing turn lanes to accommodate the future traffic needs. Improvements in the vicinity of Furrow road related to shifting the intersection and revising the horizontal and vertical alignments and providing the needed turn lanes will require obtaining additional right of way and easements from several adjacent property owners both within El Paso County and Douglas County. Some of the property impacts to accomplish these improvements are significant.
- Acquisition of right of way and easements from the conservation easements in Douglas County on the north side of County Line Road will also be required for the shoulder widening improvements.
- Final Office Design Review (FOR) plans, cost estimate, and draft ROW/easement drawings have been completed.
- The estimated costs for the improvements, including required property acquisition, and utility relocation significantly exceed the current PPRTA budget for this project.
- We are re-evaluating our schedule and next steps for advancing this project given the shortfall in required funding to effect the planned improvements.
- We are exploring options for advancing the project including scaling back the extent of the improvements, shifting funds from other projects, possible cost sharing with Douglas County, or some combination of the above.

Meridian Road (North)

Project Description: This project included overall corridor analysis and preliminary design between Rex Road and Woodmen. The interim project now under construction will replace the southbound lanes between Stapleton and Woodmen. The interim project will also add an additional southbound left turn lane at Woodmen. The intersection at Londonderry and Meridian will be signalized.

Project Team:

Designer: URS Corporation

Construction Contractor: Rocky Mountain Materials and Asphalt, Inc.

Construction Management: El Paso County Engineering Division

Cost and Schedule Summary:

- PPRTA budget - \$7,613,409
- Total estimated project cost - \$4,554,932
- Design/Property Acquisition Contract authorized - \$1,497,378
- Property acquisition authorized – \$2,875
- Utility relocation design agreements authorized – \$67,500
- Utility relocation construction authorized – \$540,613
- Construction authorized - \$2,446,566

Progress/Status:

- Roadway construction is in progress
- Utility relocation is in progress.
- Londonderry signal utility relocation is in progress.
- A change order to include construction support services by URS will be presented to the PPRTA Board in May 2011.
- Property acquisitions are nearing completion with one parcel outstanding.

Schedule/Target Dates

- The project will be substantially complete in the summer of 2011



New Southbound lanes looking South

Meridian Road (South)

Project Description: This project is for the realignment of Meridian Road between US-24 and Falcon Highway in conjunction with the Falcon Park and Ride Project.

Project Team:

Designer: HDR

Cost and Schedule Summary:

- PPRTA budget - \$513,411.00
- Federal funds/local match: \$1,221,000.00/\$305,250.00. This includes anticipated funds from two federal grants under the Congestion Mitigation and Air Quality (CMAQ) Program and the Transportation Enhancement (TE) Program. The County will provide the local match portion of these grants.
- Contracts authorized- \$179,077.80 (corridor planning and engineering)
\$166,674.00 (preliminary design)

Progress/Status:

- Site development alternative was chosen. Corridor Planning and Engineering has been completed. Preliminary Engineering contract awarded in July 2010 and design is underway.
- Federal grants will require an Intergovernmental Agreement (IGA) with Colorado Department of Transportation (CDOT) before funds become available. IGA has been approved by CDOT and El Paso County.
- With the completion of the IGA, a contract amendment was issued in June to proceed with preliminary design of the selected alternative. Preliminary design is nearly complete and a contract extension to commence final design will be presented in the second quarter.
- It is anticipated that funding will not be sufficient to cover construction of all the improvements required. The Meridian Road intersection with State Highway 24 is beyond the scope and funding for this project, but is be critical for traffic operations. The initial efforts will be focused on identifying the needed improvements and configuration and carrying the design as far as possible, while strategizing on an implementation plan.



Looking south east at the future location of the intersection

Stapleton Drive (West)

Project Description: Stapleton Drive currently terminates East of Eastonville Road. The project extends Stapleton to the East making the initial two-lane connection with US Highway 24. Turn lanes and widening are included on US Highway 24 to accommodate the new intersection.

Project Team:

Designer: JR Engineering

Construction Contractor: Rocky Mountain Materials and Asphalt, Inc.

Construction Management: El Paso County Engineering Division

Cost and Schedule Summary:

- PPRTA budget - \$2,071,215
- Total estimated project cost - \$1,967,505
- Design/Property Acquisition Contract authorized - \$136,000
- Property acquisition authorized – \$2,105
- Utility relocation construction authorized – \$66,574
- Construction authorized - \$1,762,826

Progress/Status:

- Utility relocation is complete.
- Property acquisitions are complete.
- Subsurface construction and drainage improvements are in progress.

Schedule/Target Dates

- The project will be substantially complete in the summer of 2011



HWY 24 Box Culvert Extension

Maintenance Projects

- **2011 Roads Graveled in 1st Quarter:** Holtwood Road from Corona Road to Hoot Owl Road (5 miles)
- The 2011 **Asphalt Crushing** Contract was approved in January which will allow work to commence immediately.
- The 2011 **Laying Asphalt (Hot Mix Asphalt) Paving** Contract was renewed in January which will allow work to begin in the second quarter.
- The 2011 **Concrete (Curb, Gutter and Sidewalk)** Contract was advertised in March and award is anticipated to occur in May which will allow work to begin in the second quarter.
- The 2011 **Chip Seal Aggregate and Emulsified Asphalt** Contracts were awarded in March will allow work to begin in the second quarter.