

PPRTA QUARTERLY REPORT
El Paso County Public Services Department

4th QUARTER – 2011
February 2011



Removing Curb & Gutter and Sidewalk to Install Pedestrian Ramp
at Grand Valley Dr & Silverdale Dr

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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, as well as completion of the 2011 maintenance program.

The **Hodgen Road** project began in March 2011. The entire roadway was opened to through traffic on October 29, 2011. During this quarter, final construction activities included top mat asphalt, erosion control installation, fencing and cleanup. The project was substantially complete in December 2011.

Work on the **Baptist Road (West)** project commenced in the fourth quarter. A consultant contract to complete a corridor study was awarded and preliminary engineering is underway. An initial public meeting is planned for this project during the first quarter of 2012.

The **Marksheffel Road** four lane project which includes the improvements between Colorado Tech Drive and North Carefree Circle was completed during the fourth quarter. A ribbon cutting ceremony was held on October 6, 2011 and contract closeout is underway.

Final design is nearing completion on the **County Line Road** project. Alternative mitigation approaches are being developed in conjunction with adjacent property owners in spot locations to minimize the impacts to properties. Coordination with Douglas County representatives and property owners continue.

The construction on the **Meridian Road (North)** project was substantially completed in October 2011. Final guardrail installation is scheduled for January 2012. A contract extension to commence design for the next phase of work between Stapleton Road and Rex Road is anticipated for the first quarter of 2012

In October 2012, the two-lane connection of **Stapleton Drive** from Eastonville Road to US 24 was opened to through traffic. Erosion control, stabilization and fencing activities were substantially completed in December 2012. The completion of the project provides a new east-west connection from SH 24 to Eastonville Road.

All planned work was completed in the fourth quarter with respect to the **2011 maintenance program**. Completed work includes 1.37 miles of Asphalt overlay and nine miles graveling. Concrete Program work consisted of 675 linear feet of curb and gutter, 792 linear feet of sidewalk, 1 cross pan and 2 pedestrian ramps being constructed.

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	4,267,553	2,827,188	1,440,365		4,267,553	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	Completed
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	Completed
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
Meridian 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	2,371,215	2,371,215			2,371,215	Completed
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
- Property acquisition cost - \$711,792
- 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:

- Top mat of asphalt was placed; signing and striping was completed
- Roadway was open to traffic October 29, 2011
- Remainder of work in 2011 included final erosion control, fencing and cleanup.
- Construction was substantially complete in December 2011
- Contracts for this phase are expected to be finalized in the first quarter of 2012.
- A Contract Extension with URS Corporation for final design of additional phases of Hodgen improvements is anticipated in the first quarter of 2012.

The completion of the project provides safety improvements including, adequate site distance, intersection improvements, wide shoulders, reduced drifting snow, and adequate drainage. The project overcame hurdles such as utility relocation during construction, requirements for internal residence access and through traffic during road closures.



Hodgen Road (looking west at Hodgen Road/SH 83 intersection)

Baptist Road – West

Project Description: This project consists of two of the A-list projects: Baptist Rd widening from Interstate 25 to Forest Lakes Drive and the Baptist Road railroad crossing at the BNSF railroad. This project will identify and evaluate options for a grade separated crossing of this single road access into the Twin Valley Sub-Area west of the railroad. In addition, this project will evaluate the roadway improvements needed between Old Denver Highway and the I-25 ramps. (Budget \$4.7 million)

Project Team:

Designer: Felsburg, Holt & Ullevig (FHU)

Cost and Schedule Summary:

PPRTA budget - \$4,666,456

Contracts authorized - \$180,681

Amounts Invoiced - \$11,264

Progress/Status:

- A consultant contract to study this corridor was awarded in the fourth quarter and preliminary investigations are underway.
- Data collection and planning efforts underway.
- An initial public meeting is planned for this project in the first quarter of 2012.



Baptist Road – Existing at-grade RR crossing

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 began in Summer 2010. 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.

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 - \$11,928,990
- Utility Reimbursement Agreements Authorized – \$3,781,396
- Property Acquisition – (paid or checks requested) - \$3,362,164
- Property acquisition – 2009/2010/2011
- Utility Relocation –2010/2011
- Construction – 2010/2011

Progress/Status:

- Project construction has been completed and contract close out is underway. Roadway paving including top mat was completed.
- During this quarter, sidewalk construction, concrete median work, fencing, signing and striping, and punch list work were completed.
- A ribbon cutting ceremony was held on October 6, 2011

The completion of the project provides improved capacity and traffic flow, bike lanes, sidewalk, and improved drainage. The project overcame hurdles extensive property acquisition and utility relocations, provided for detours and traffic shifts during construction and maintained access to existing businesses along the corridor.



**Marksheffel Road (North): new north bound lanes
between Constitution and North Carefree**

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 Consulting

Cost Summary:

- PPRTA budget - \$4,267,553.00
- Contracts authorized - \$806,636.37
- Amounts invoiced - \$539,462.00
- Property Acquisition- 2011/2012
- Utility Relocation- 2012
- Construction- 2012/2013

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 design is underway and alternative horizontal and vertical alignment configurations between Vista Clara Drive and Furrow Road are being developed and evaluated to try and minimize the impacts to adjacent properties.
- Discussions with impacted property owners including representatives of the conservation easement are continuing.
- Coordination with Douglas county representatives continues.

Meridian Road (North)

Project Description: This project included overall corridor analysis and preliminary design between Rex Road and Woodmen. The interim project has replaced the southbound lanes between Stapleton and Woodmen and also added an additional southbound left turn lane at Woodmen. The intersection at Londonderry and Meridian has been 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 - \$4,591,432
 - Design Contract authorized - \$1,497,378
 - Property acquisition authorized – \$39,375
 - Utility relocation design agreements authorized – \$67,500
 - Utility relocation construction authorized – \$540,613
 - Construction authorized - \$2,446,566

Progress/Status:

- Paving is complete and utility relocations are complete.
- Culvert installation at the Bent Grass intersection is complete.
- Construction of the signal at the intersection Londonderry and Meridian has been completed and became operational in September.
- Final guardrail located northwest of the Woodmen and Meridian intersection to protect Mountain View Electric poles adjacent to the roadway is scheduled for install in late January 2012.

Schedule/Target Dates

- The project is substantially complete.
- Erosion control measures will continue to be monitored and maintained until revegetation and final stabilization is achieved in the spring.
- A Contract Extension with URS Corporation for design of Meridian from Stapleton to Rex is anticipated in the first quarter of 2012.

The completion of the project provides improved drainage, safety, capacity, and traffic operations along the corridor.



Meridian Road (North): Completed southbound lanes

Stapleton Drive (West)

Project Description: Stapleton Drive had terminated 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 - \$2,371,215
- Total estimated project cost - \$2,359,973
 - Design Reimbursements authorized - \$224,012
 - Property acquisition authorized – \$2,505
 - Utility relocation construction authorized – \$73,245
 - Construction authorized - \$2,060,211

Progress/Status:

- Utility relocations have been completed.
- Property acquisitions are complete.
- Drainage infrastructure is complete.
- Paving was completed at the end of August.
- The roadway was opened to through traffic in October 2011 and final punchlist items were addressed as weather allowed in November and December.

Schedule/Target Dates

- The project was substantially complete in December 2011.
- Erosion control measures will continue to be monitored and maintained until revegetation and final stabilization is achieved in the spring.

The completion of the project provides a new east-west connection from SH 24 to Eastonville Road and intersection improvements at SH24 and Stapleton Drive. The project overcame high ground water issues during construction and El Paso County successfully coordinated with the 4-Way Ranch Metropolitan District to complete the project.



Stapleton Road (West): completed paving and striping.

Maintenance Projects

At the end of the fourth quarter, AA Construction Company had completed 107 projects.

Concrete Surface Drainage completed in 4th Quarter

Location

Kathi Dr
Citizens Services Center- 1675 West Garden of the Gods
Barnstormers & Wing Walker

During the fourth quarter AA Construction was able to place 675 LF Curb & Gutter, 792 LF sidewalk, 2 pedestrian ramps, and 1 cross pan.

Barnstormers & Wing Walker



Before



After

Asphalt Overlay completed in 4th Quarter

Location

Liberty Grove
Shawnee Drive
Woodstock Drive
Electronic Drive

Limits of Construction

Londonderry Drive
Mineola Street to Palmer Park Blvd.
Grand Valley Drive to Saberwood Drive
Marksheffel Road to Akers Drive

Roads Graveled in the 4th Quarter

Location

Dzurius Road
Soapweed Road

McClellan Road to Eurich Road
Highway 110 to Big Springs