

PPRTA QUARTERLY REPORT
El Paso County Public Services Department

3rd QUARTER – 2011
November 2011



Meridian (North) Project: Signal installation at Londonderry Drive/Meridian Road

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PROJECTS AND PROGRAM UPDATE
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Executive Summary

The third quarter saw continued progress with the County's PPRTA capital projects, as well as significant progress on the 2011 maintenance program.

The **Hodgen Road** project began in March 2011. The project remained on schedule to reopen the entire roadway to through traffic prior to October 31, 2011. During this quarter, phase two (from SH 83 to Farrar) was under construction and was closed to through traffic. County staff regularly maintained the detour routes.

The **Marksheffel Road** four lane project which includes the improvements between Colorado Tech Drive and North Carefree Circle continued to make substantial progress. Paving on the project was completed during the third quarter and a ribbon cutting ceremony was scheduled for October 6th.

A contract amendment with Stantec Consulting to finalize the design, prepare construction documents, and to provide property acquisition services was approved during the second quarter for the **County Line Road** project. This allowed final design to commence during the third quarter, and for some key locations in the project, alternative designs are being developed and evaluated to minimize the impacts to adjacent properties. Additional coordination is planned with impacted property owners and Douglas County.

The construction on the **Meridian Road (North)** project will be substantially complete in October 2011. During the third quarter, the signal at Meridian Road/Londonderry Drive became operational and the southbound lanes from Stapleton Road to Woodmen Road were open to traffic.

The corridor analysis has been completed and the preferred alternative has been identified for the **Meridian (South)** project. The preliminary design has been completed and the 30% plan review meeting was held in August. The scope for final design is currently being developed. Recent traffic studies completed in conjunction with the project indicate that the improvements along US-24 at the intersections of "new" and "old" Meridian must be completed to facilitate the project. A special district was planning on completing the actual intersection improvements; however this has not yet occurred due to reported funding constraints. Further coordination is required with the district and CDOT concerning this issue.

In August, the paving was completed on the two-lane connection of **Stapleton Drive** from Eastonville Road to US 24 in Falcon. Erosion control, stabilization and fencing activities are underway and the roadway was scheduled to open to traffic in October 2011.

Significant work was completed in the third quarter with respect to the **2011 maintenance program**. Completed work includes 27.41 miles of Asphalt overlay, five miles graveling, and 166,307 feet of asphalt chip seal. Concrete Program work consisted of 6741 linear feet of curb and gutter, 6845 linear feet of sidewalk, 15 cross pans and 33 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	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
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	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 - \$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:

- Phase one of the project (Black Forest to Farrar) was open to through traffic during the last quarter. Phase two of the project is currently closed to through traffic (from SH 83 to Farrar).
- County staff continues to maintain the project detours and has regularly graded the roads and has added magnesium chloride as necessary.
- Seeding and mulching was completed in Phase 1 with significant growth through August and September.
- Roadway and slope grading and culvert installations were completed in Phase 2.
- Soil cement treatment of the roadway subgrade was completed in Phase 2 in anticipation of paving in early October.
- Utility relocations for Tri-State G&T and CenturyLink were completed, with minor work remaining for Mountain View Electric and Black Hills Energy.
- Property acquisition is nearly complete, with one parcel remaining.

Schedule/Target Dates:

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



**Hodgen Road (Phase 2):
Slope Grading and Tri-State Pole Adjustment**



**Hodgen Road (Phase 2):
Mainline Soil Cement Treatment**

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.

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 - \$11,840,577
- Utility Reimbursement Agreements Authorized – \$3,810,996
- 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.
- Roadway paving including top mat was completed.
- Sidewalk construction and concrete median work are proceeding with completion of this work scheduled for early October.
- Installation of signing and striping for the new roadway have commenced with completion targeted for early October

- Fencing along the ROW is proceeding with completion anticipated in early October.
- Punch list items are being developed.
- A ribbon cutting ceremony was scheduled for October 6, 2011



**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 - \$517,383.10
- 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.
- The Board approved an increase in the County Line Road budget with the addition of \$525,000 from the 2010 supplemental revenues.
- A contract amendment with Stantec Consulting to finalize the design, prepare construction documents, and to provide property acquisition services was approved at the August PPRTA Board meeting.
- 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.

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 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:

- Paving is complete.
- 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.
- South bound lanes of Meridian were completely opened to traffic on September 10th.
- Property acquisitions are nearing completion with one parcel outstanding.
- Guardrail will be installed in late November 2011 northwest of the Woodmen and Meridian intersection to protect Mountain View Electric poles adjacent to the roadway. These poles are ultimately planned to be relocated once the property acquisition on the remaining parcel is complete. County is currently pursuing a possession and use agreement for the remaining parcel.

Schedule/Target Dates

- The project will be substantially complete in October 2011.



Meridian Road (North): Completed concrete median, paving and striping at the intersection of Meridian Road and Woodmen Road.

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 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.
- The 30% preliminary design is has been completed and a design review meeting with stakeholders was held in August. The scope for the contract extension to commence final design is being developed.
- It is anticipated that funding will not be sufficient to cover construction of all the improvements required. 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.
- A portion of improvements at New Meridian/US-24 have been completed in conjunction with the Falcon Highlands development for Meridian Road between Woodmen Road and US-24. FHMD was planning on completing the actual improvements to facilitate the connection of “new” Meridian at US-24, however this has not yet occurred due to reported funding constraints of the developer and the FHMD.
- There are several issues related to the safety and capacity along US-24 at the “old and new” Meridian Road intersections. Critical issues include the timing of lane improvements and the addition of the intersection and signal at the “new” Meridian Road/Woodmen Road intersection and the timing of removal of the signal and addition of improvements to facilitate right-in/right-out access restrictions at “old” Meridian Road/Woodmen Road intersection.
- Recent traffic studies completed in conjunction with the Park and Ride Project/Meridian (South) extension indicate that the improvements along US-24

at the intersections of “new” and “old” Meridian must be completed to facilitate the Park and Ride project and the realignment of “New” Meridian Road. Further coordination is required with the Falcon Highlands Metropolitan District and Colorado Department of Transportation concerning this issue.



**Meridian (South)/Falcon Park and Ride: Looking south east
from the future intersection of Meridian Road/US-24**

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 - \$2,371,215
- Total estimated project cost - \$2,261,533
 - Design Reimbursements authorized - \$224,012
 - Property acquisition authorized – \$2,505
 - Utility relocation construction authorized – \$73,245
 - Construction authorized - \$1,961,771

Progress/Status:

- Utility relocations have been completed.
- Property acquisitions are complete.
- Drainage infrastructure is complete.
- Paving was completed at the end of August.
- Erosion control, stabilization and fencing activities are currently in progress.

Schedule/Target Dates

- Roadway was scheduled to open to traffic in October 2011.



Stapleton Road (West): completed paving and striping at its intersection with US-24

Maintenance Projects

At the end of the third quarter, AA Construction Company had started 105 of 106 projects and completed 104 of those.

Concrete Surface Drainage completed in 3rd Quarter

Location

Rising Sun Terrace	285 Sedona Drive
399 Sedona Drive	Baptist & Gleneagle
Baptist & Kingswood	15420 Holbein Drive
40 Wuthering Heights	12775 Angelina Drive
77 & 84 Kathi Circle	Liberty Grove & Waterbury
Grand Valley- Fountain City Linitis to Fontaine	4408 Anvil Drive
9574 Yukon Way	Harvest Moon & Peaceful Meadow
6613 Cottonwood Grove	9355 Summer Meadow
7170 Goldfield Drive	7480 Cabin Ridge Drive
Powderwash & Saberwood	716 Raemar Drive
6810 Snead Drive	414 Niagara Street
112 Judson Street	137 Bradley Street
165 Grinnell Boulevard	21 N. Ely Street
44 Amherst Street	46 Amherst Street
Grinnell & Amherst	119 Ithaca Drive
6408 Gossamer Street	113 Linden Drive
230 Pointer Place	Putnam & Harbourne
640 Brundidge & Modell	Hugh Martin & Modell
4120 Novia Drive	4920 Gibbon Street
542 Ponderosa Drive	120 Dix Circle
515 Pucket Circle	633 Hackberry Street
100 Everett Drive	100 Sumac Drive
141 Doris Drive	1400 Hallam
249 Davie Drive	100 Block of Davie Drive
73 Davie Drive	104 Steven Drive
Doris & Hallam	Davie & Birch
5009 Bradley Circle	4035 Allgood Drive
Barnstormers & Wing Walker	Liberty Grove & Londonderry
12058 Rio Secco Drive	7883 Tomkins Road
9975 Rockingham Drive	

Roads Graveled in 3rd Quarter

Location	Limits of Construction	
Sweet Road	Peyton Highway to Ellicott Highway	5 miles

Asphalt Overlay completed in 3rd Quarter

Location	Limits of Construction	Miles
Academy Boulevard Ramps	Highway 84/87	1.01
Burning Oak Way	Deer Creek Road to endpoint	.04
Chipita Park Road	Fountain Avenue to Mountain Road	2.93
Electronic Drive	Marksheffel Road to Akers Drive	.25
Ellicott Highway	Garrett Road E. to Judge Orr Road	3.0
Falcon Highway	Rio Road to Good Fortune Road	1.26
Falcon Highway	Ellicott Highway to Peyton Highway	4.97
Fontaine Boulevard	Amhurst to Powers	2.22
Fountain Avenue	Highway 24 to Chipita Park Road	.32
Gleneagle Drive	Westchester Drive to Candlewood Court	.7
Goldfield Drive	Fontaine Boulevard to Bradley Road	2.08
Goldfield Drive	Woodstock to Vineland Trail	.36
Judge Orr Road	Ellicott Road to Calhan Highway	4.97
McLaughlin Road	Woodmen Road to Midnight Road	.16
Meridian Road	city limits to South side of US 24	.19
Sterling Road	Mission Hill Way to Rangely Drive	.53
Wuthering Heights Drive	Gleneagle Drive to Stinebeck	.30
Wuthering Heights Drive	Gleaneagle Dr. to Wuthering Heights Dr.	.97
Shawnee Drive	Mineola Street to Palmer Park Boulevard	.49
Woodstock	Grand Valley Drive to Saberwood Drive	.66
	TOTAL	27.41

Chip Seal completed in 3rd Quarter

Location	Limits of Construction	Feet
Baptist/Hodgen	Rollercoaster to State Highway 83	6,600
Calhan Highway	Judge Orr to Hanish Road West	5,280
Capella Drive	Indy to Draco	7,022
Corona Road	Davenport to County Line	5,280
Davenport Road	Judge Orr to Corona	5,280
Judge Orr Road	Ramah to Davenport	21,120
Myers Road	Finch to Peyton Highway	10,560
Peyton Highway	Drennan South 1.5 miles	7,920
Peyton Highway	State Highway 94 to Garrett Road	26,400
Remington Road	Hodgen to Rifle Terrace	3,960
Rush Road	Geick to pavement change	26,757
Swan Road	Black Forest to Vollmer	10,560
Thunderbird Estates		13,728
Woodlake Road	Meridian to Hodgen	15,840
	TOTAL	166,307