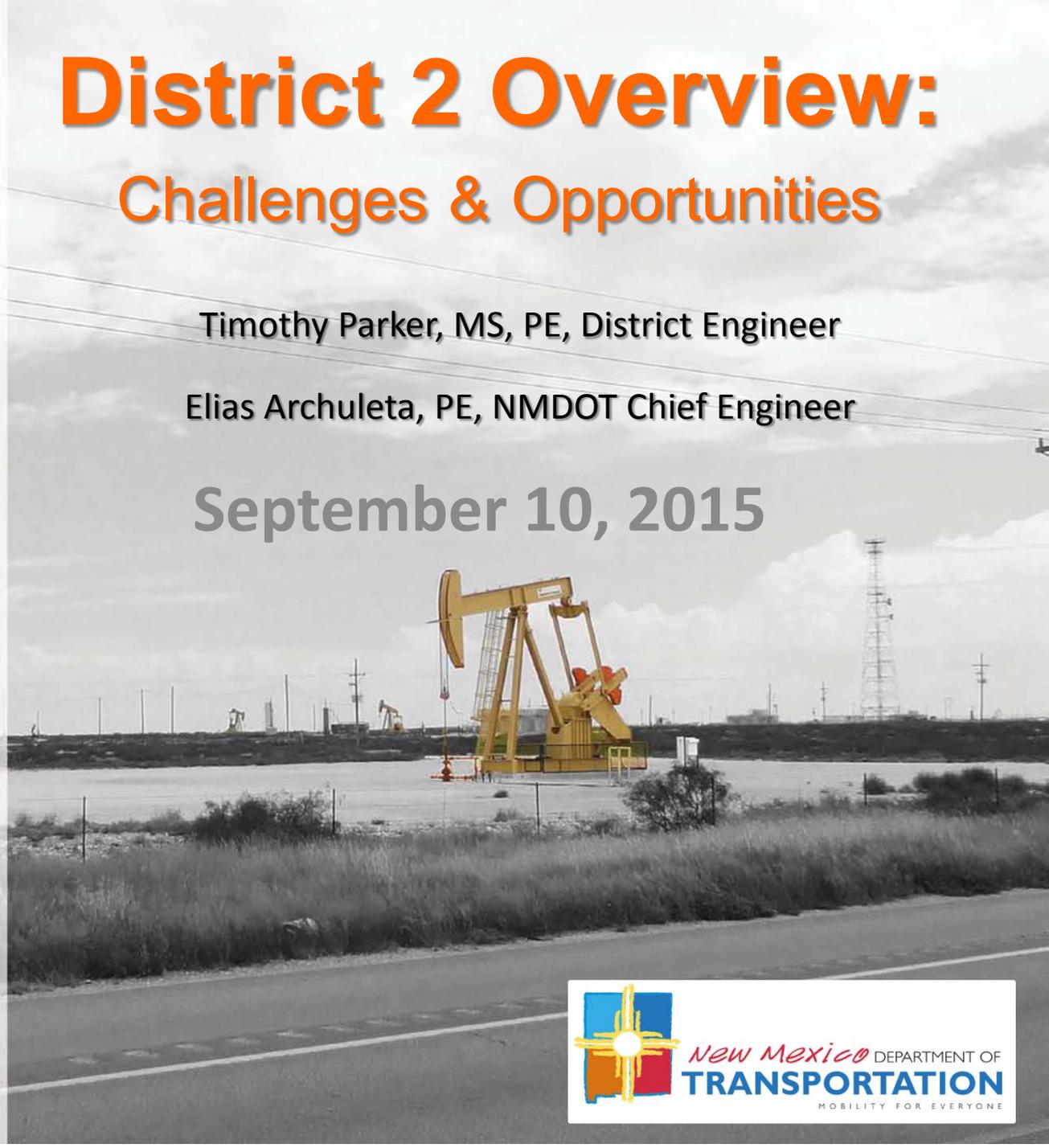


District 2 Overview: Challenges & Opportunities

Timothy Parker, MS, PE, District Engineer

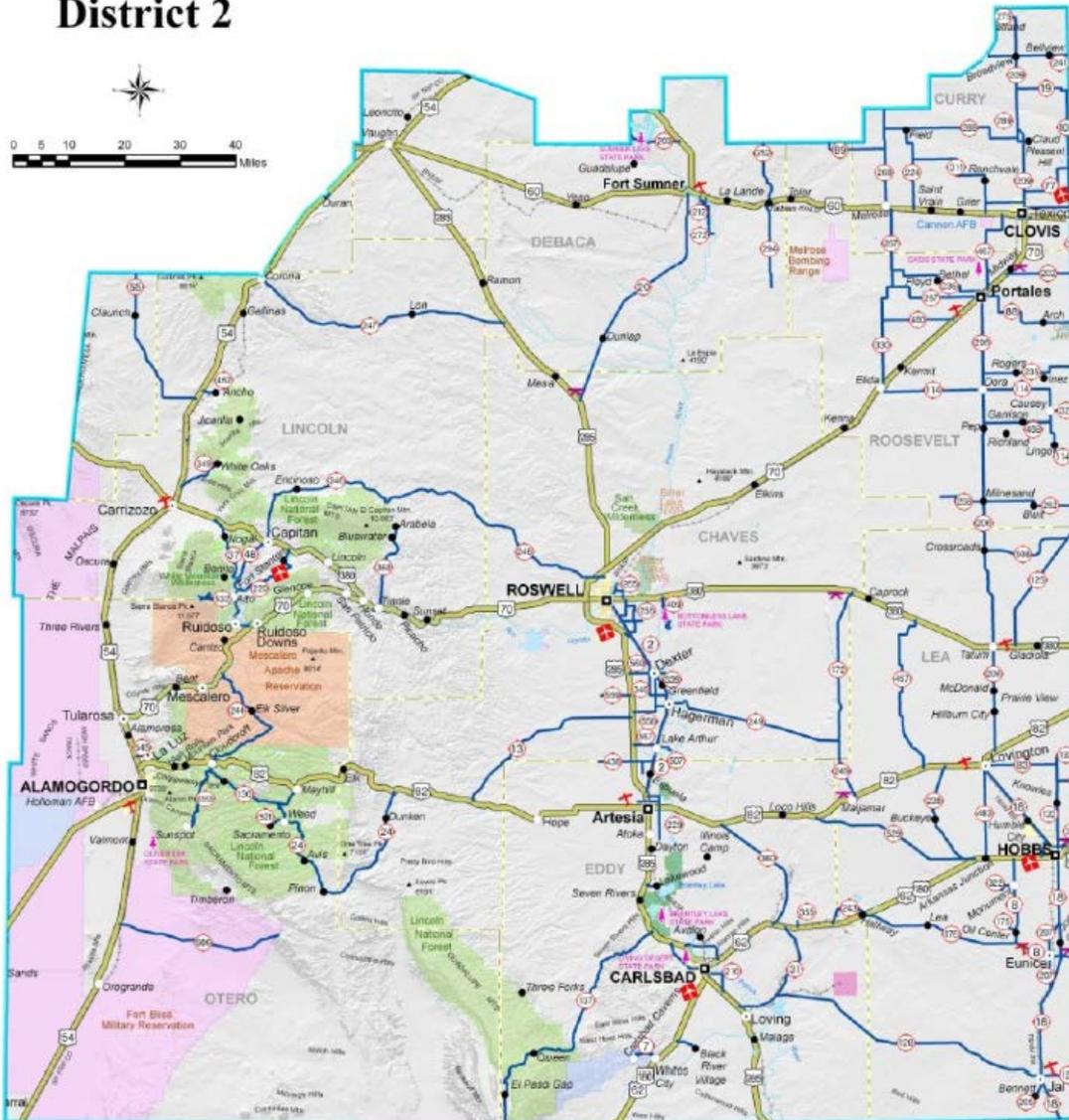
Elias Archuleta, PE, NMDOT Chief Engineer

September 10, 2015





District 2



District 2 encompasses Chaves, Lincoln, Otero, Eddy, Lea, Roosevelt, Curry, De Baca, and parts of Guadalupe and Torrance Counties.

The District encompasses 7750 lane miles of travel, with the most 4 lane non interstate miles in the state.

FY 15 BUDGET

Budget Responsibility

- Operating Budget: \$21,607,400
- Ongoing Construction Contracts: \$138,136,735
- Contract Maintenance: \$6,165,300
- Field Supplies: \$6,257,300
- Striping and Signing: \$1,755,900
- Rest Area Improvements: \$301,200
- Rest Area Maintenance: \$318,900

Employee Breakdown

- Support Staff: 50 positions
- Maintenance: 185 positions
- Construction: 76 positions
- Engineering Support: 21 positions

Total: 332 positions



16 patrol yards, 2 special crew teams

Maintenance Activities FY 14		
Pothole Patching	199 cubic yards	\$ 67,893
Blade Patching	9,792 cubic yards	\$ 1,490,773
Fog Sealing	487 lane miles	\$ 1,170,218
Mowing	16,291 pass miles	\$ 714,218

Maintenance Activities FY14		
Snow Removal	250,370 pass miles	\$ 2,232,033
Chip Seal	296 lane miles	\$ 2,925,998
Erosion Repair	19,169 cubic yards	\$ 856,772 (District Wide)
Litter Pick-up	4,877 shoulder miles	\$ 339,221
Graffiti Removal	62 square feet	\$ 228,000
Flood Mitigation	District Wide	\$186,892



MAINTENANCE HELPING OTHER AGENCIES

Assisting Law Enforcement

In 181 separate events, NMDOT staff came to the assistance of law enforcement by manning traffic control and performing roadway clean up.

Over the past 12 months: 181 unique events, totaling 2,522 hours,
average time assisting of 4.6 hours per call, total
equipment cost of \$50,000





MAINTENANCE ISSUES

Flooding

Water over a District 2 roadway occurred at least 187 times over the past 12 months





MAINTENANCE ISSUES

Open Road

AADT US 62/180 from Carlsbad to NM/TX state line. 7,000

AADT US 62/180 from Carlsbad to Hobbs. 5,300

AADT US 285 from Carlsbad to Hobbs. 8,200

AADT US 285 from Artesia to Roswell. 9,200

AADT US 128 from Jal to Carlsbad. 3,600

AADT US 70 from Roswell to Ruidoso. 3,800

AADT US 70 from Roswell to Portales. 3,100

AADT I-10 & I-25 interchange in Las Cruces. 31,783

AADT I-25 & US 550 interchange in Bernalillo. 34,500



CONSTRUCTION ACTIVITIES

Ongoing Projects
Installation of lighting, signs, fencing, pavement markings, and add Accel/Decel lanes on NM 18 in Lea County - \$430,156.1
Pavement Preservation on US 82 in Lea County - \$10,114,304.26
Adding Shoulders & Pavement Rehabilitation on NM 176 in Lea County - \$8,914,649.29
Pavement Rehabilitaton & Shoulder Widening on NM 529 in Lea County - \$13,764,488.72
Drainage & Roadway Reconstruction on US 60 in Curry County - \$8,994,261.10
Bridge Rehabilitation on US 60 in Curry County - \$566,718.75
Bridge Replacement on NM 209 in Curry County - \$3,624,223.68
Bridge Rehabilitation on US 285 in Eddy County - \$1,630,129.10
Bridge Preservation on US 54 in Otero County - \$925,209.12
Bridge Rehabilitation & ADA Improvements on FL4685 in Chaves County - \$2,531,867.25
Bridge Preservation on US 82 in Eddy County - \$884,698.22
Pavement Preservation on US 70 in Chaves County - \$2,133,586.30
Reconstruction on US 54 in Lincoln County - \$30,029,433.46
Hazardous Curve Correction on NM 532 in Lincoln County - \$3,256,445.00
Bridge Rehabilitation on US 54 in Guadalupe County (Vaughn) - \$729,772.00
Bridge Preservation on NM 395 in Lincoln County - \$399,857.00
Bridge Replacement on US 54 in Otero County - \$5,165,514.93
Pavement Rehabilitation on US 54 in Otero County - \$4,512,846.00



CONSTRUCTION ACCOMPLISHMENTS

Completed Projects
Rehabilitation on NM 200 in Eddy County - \$5,301,871.81
New Construction; Safety Project on US 82 in Eddy County - \$3,033,536.18
New Signal at junction of US 285/US 82 in Eddy County - \$556,914.15
Pavement Rehabilitation at junction of US 82/ US285 in Eddy County - \$2,796,251.06
Reconstruction on US 54 MP 163 - 175 in Lincoln County (Village of Corona) - \$19,539,087.72
Reconstruction on US 54 MP 107 - 112.7 in Lincoln County - \$13,190,091.36
Reconstruction on US 54 MP 113 - 119 in Lincoln County - \$13,712,950.30
New Construction on US 54 in Otero County - \$21,711,358.51
Pavement Preservation on NM 48 - Jct. US 70 to Jct. US 380 in various Counties - \$1,385,946.92
Pavement Rehabilitation on NM 206, US 82 in Lea County - \$7,431,074.30
New Traffic Signal Installation on NM 245 in Curry County (Clovis) - \$803,027.53
Pavement Rehabilitation on US 380 in Chaves County - \$1,418,353.02
Fog Seal on US 62/180 in Eddy County - \$729,000.00
Pavement Subgrade Reconstruction on US 380 in Chaves County - \$700,000.00
Fencing on NM 243 in Lea and Eddy Counties - \$600,000.00
Pavement Rehabilitation on NM 176 in Lea County - \$1,600,000.00
Sign Project on US 70 in Otero, Lincoln, and Chaves Counties - \$300,000.00
Pavement Rehabilitation in Roosevelt County - \$1,800,000.00
Rumblestrip Project on US 285 in various counties - \$913,000.00
Crack Seal on US 380 & NM 2 in Chaves County - \$149,037.43
Crack Seal on NM 245 in Curry County - \$180,271.00



PLANNING

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PUBLIC NOTICE:
CONVERSION OF CHECKS TO AUTOMATED CLEARING HOUSE (ACH)

The State of New Mexico's fiscal agent contract was renewed on May 1, 2014 with Wells Fargo Fiscal Agent Banking Services. The contract is administered by our oversight agency, the Department of Finance and Administration (DFA) and State Treasurer's Office (STO). [Read More...](#)

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Program Management

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Tools

Statewide Transportation Improvement Program (STIP)

The Program Management Division is responsible with developing a four-year STIP that is cooperatively and/or consultatively planned, comprehensive in scope through the innovative use of Federal and State resources, fiscally constrained and attempt to address the multimodal transportation needs of New Mexico's transportation customers.

The State's four-year transportation preservation and capital improvement program identifies multi-modal transportation projects that use Federal, State Bond, State priority, State Capital Outlay and local government transportation funds. It includes projects of regional significance (projects with high public interest or air quality impacts) and projects in the National Parks, National Forests and Indian Reservations.

Rebecca Maes, STIP Coordinator Office: 505-476-3785
rebecca.maes@state.nm.us

RELATED LINKS

- [Amendment Public Comment](#)
- [Public Comment 2016-2021 STIP Preview](#)
- [FY2014 – FY2017 STIP - Official Version](#)
- [State Transit STIP](#)
- [Current Albuquerque TIP](#)
- [STIP Map and Contact information](#)
- [STIP Procedures](#)

NMDOT - Process Environmental Linkage (PEL) Project Development Workflow Charts

NMDOT Project Development Process (1) [PDF](#)
NMDOT PEL Design Workflow/Project Production & Scheduling Bureau (2) [PDF](#)
NMDOT PEL Design Workflow/Project Production & Scheduling Bureau (3) [PDF](#)

Activities Description Manual

For use with Process Environmental Linkage (PEL) Workflow and Primavera P6 Version 7 July 2010 [PDF](#) (1.83 MB)

[FHWA Planning and Environmental Linkages \(PEL\)](#)

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**NEW MEXICO DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM**

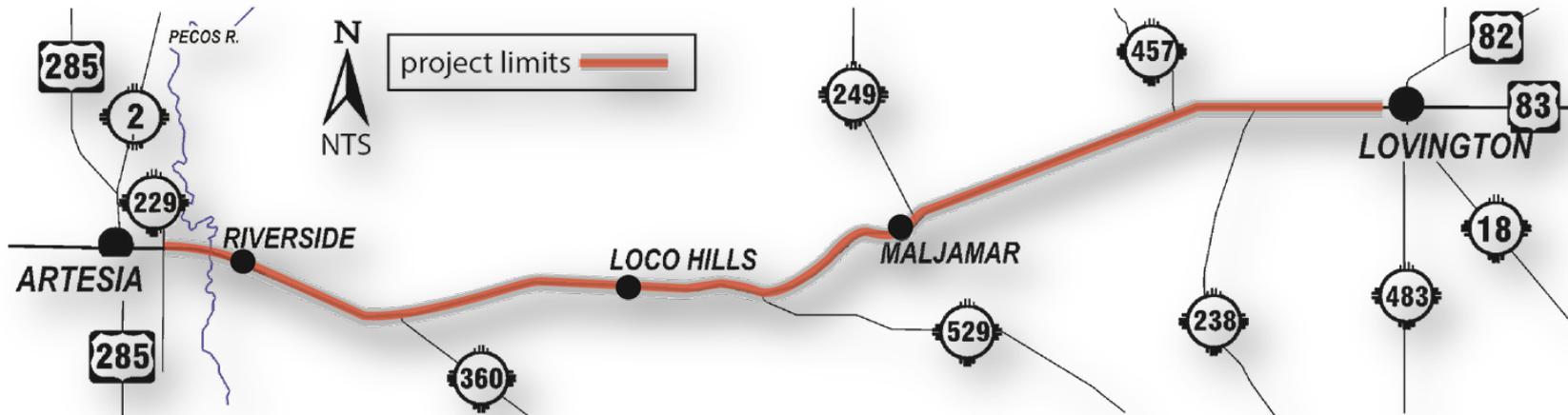
CN: 2100190	Plan: 20142019-WRK-9	MPO/RPO: SOUTHEAST RPO	NMDOT Dist.: 2	County: Chaves	Municipality: Rural	
Fed/State ID: 2100190	Demo IDs:	Lead Agency: SOUTH REGION DESIGN CENTER	OverSight: Delegated/State Administrated			
RT: US 82	Project Location: OTERO / CHAVES COUNTY LINE - EAST (OLD CN D2028)	Beg/End Mpst: 43.600 - 59.000	Length: 15.400			
Category: 4r Maintenance-Restoration & Rehabilitat			PDE: Andres Linnan	Production Date: 01/23/2017		
Project Scope: PAVEMENT REHABILITATION						
Proj. Phases: <input type="checkbox"/> Environ. Document <input type="checkbox"/> Prel. Engr. <input type="checkbox"/> Design <input type="checkbox"/> Right-of-way <input type="checkbox"/> Construction <input type="checkbox"/> Other FHWA Work Zone Type: Routine						
Remarks:						
PROGRAMMED FUNDS						
FUND SOURCE	IMP TYP	2014	2015	2016	2017	TOTALS
State Match		\$0	\$0	\$0	\$873,600	\$0
National Highway Performance Program	06	\$0	\$0	\$0	\$5,126,400	\$0
TOTALS:		\$0	\$0	\$0	\$6,000,000	\$0

CN: 2100330	Plan: 20142019-WRK-9	MPO/RPO: SOUTHEAST RPO	NMDOT Dist.: 2	County: Chaves	Municipality: Rural	
Fed/State ID: 2100330	Demo IDs:	Lead Agency: SOUTH REGION DESIGN CENTER	OverSight: Delegated/State Administrated			
RT: NM 2	Project Location: CHAVES/EDDY C/L NORTH TO HAGERMAN	Beg/End Mpst: 6.000 - 17.900	Length: 11.900			
Category: Reconstruction- No Added Capacity, 4r Maintenance-Restoration & Rehabilitat			PDE: Jessica Hunter	Production Date: 04/25/2016		
Project Scope: PAVEMENT REHABILITATION, ADD SHOULDERS, ROADWAY RECONSTRUCTION AND DRAINAGE IMPROVEMENTS						
Proj. Phases: <input type="checkbox"/> Environ. Document <input type="checkbox"/> Prel. Engr. <input type="checkbox"/> Design <input type="checkbox"/> Right-of-way <input type="checkbox"/> Construction <input type="checkbox"/> Other FHWA Work Zone Type: Significant						
Remarks: 1-22-15, DELAYED TO 2016						
PROGRAMMED FUNDS						
FUND SOURCE	IMP TYP	2014	2015	2016	2017	TOTALS
State Match		\$0	\$0	\$2,184,000	\$0	\$2,184,000
National Highway Performance Program	04	\$0	\$0	\$6,408,000	\$0	\$6,408,000
National Highway Performance Program	06	\$0	\$0	\$6,408,000	\$0	\$6,408,000
TOTALS:		\$0	\$0	\$15,000,000	\$0	\$15,000,000

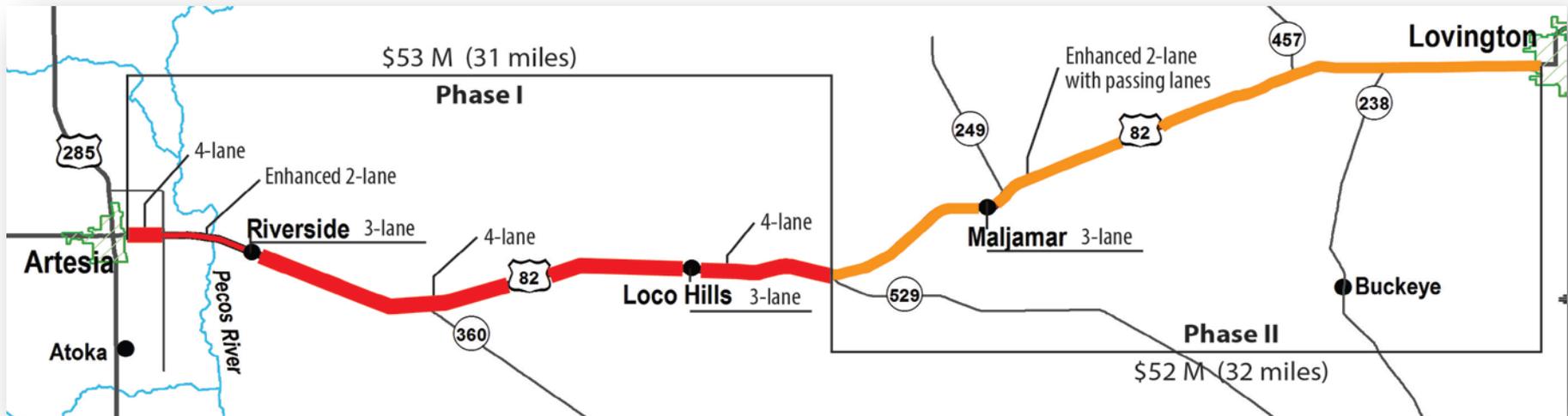
CN: 2100881	Plan: 20142019-WRK-9	MPO/RPO: SOUTHEAST RPO	NMDOT Dist.: 2	County: Chaves	Municipality: Rural	
Fed/State ID: No ID Assigned	Demo IDs:	Lead Agency: DISTRICT 2	OverSight: Delegated/State Administrated			
RT: US 380	Project Location: BETWEEN ROSWELL AND CAPROCK	Beg/End Mpst: 189.910 - 195.000	Length: 5.110			
Category: 4r Maintenance-Restoration & Rehabilitat			PDE: Louis Matta	Production Date: 07/21/2014		
Project Scope: PAVEMENT REHABILITATION						
Proj. Phases: <input type="checkbox"/> Environ. Document <input type="checkbox"/> Prel. Engr. <input type="checkbox"/> Design <input type="checkbox"/> Right-of-way <input type="checkbox"/> Construction <input type="checkbox"/> Other FHWA Work Zone Type: Routine						
Remarks:						
PROGRAMMED FUNDS						
FUND SOURCE	IMP TYP	2014	2015	2016	2017	TOTALS
State Match		\$14,820	\$0	\$0	\$0	\$14,820
Equity Bonus - Exempt From Limitation	06	\$86,963	\$0	\$0	\$0	\$86,963
Public Lands Discretionary	06	\$2,000,000	\$0	\$0	\$0	\$2,000,000
TOTALS:		\$2,101,783	\$0	\$0	\$0	\$2,101,783

Project limits

- Artesia to Lovington – about 63 miles
 - Begin at milepost 107.7 (East 7th Street) in Artesia
 - Ends at milepost 170.3 (17th Street) in Lovington



Overview of Recommended Alternative

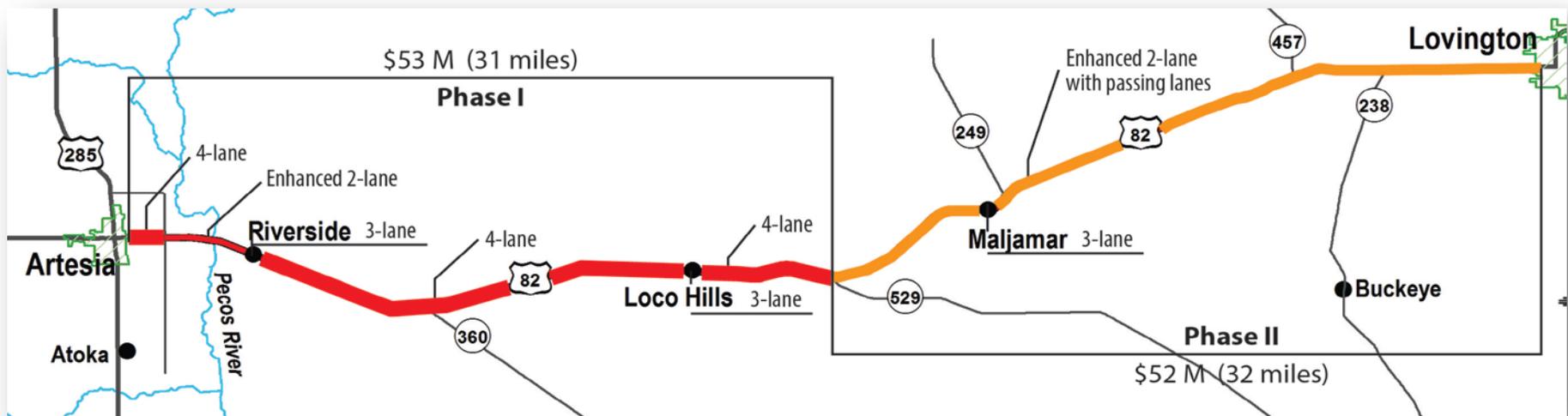


- 4-lane, Artesia to Haldeman Road
- 2-lane, Haldeman to Riverside
- 4-lane with 4' median, Riverside to NM 529
- Enhanced 2-lane, NM 529 to Airport Road (MP 168.5)
- 3-lane section from Lea County Airport Rd. to 17th Street

Recommended Phasing Plan

Due to limited funding, implementation must be phased.

- Phase 1 – Artesia to NM 529 (\$53M)
- Phase 2 – NM 529 to Lovington (\$52M)

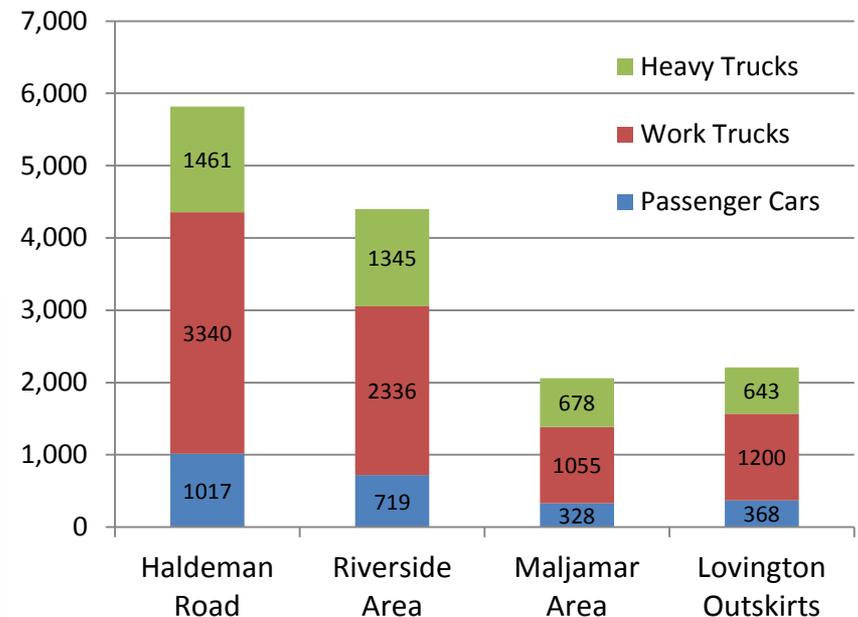


Project Cost and Funding

- Costs for entire project (Artesia to Lovington) estimated at **\$105M plus (preliminary estimate)**
- About **half of funding needed is currently available** including a combination of:
 - **Federal** funds
 - **Capital Outlay** funds
 - Other State funds
- NMDOT will continue to pursue funds for Phase 2

Traffic Volumes and Vehicle Types

- Daily traffic volume ranges from about 6,000 (west end) to about 2,000 at east end
- Overall volumes are not excessive for a 2-lane highway; however...
- Very high percentage of large trucks and work trucks



Access and Traffic Activity

- High number of access points with turning vehicles -- average of 3 to 4 intersections/mile, *not including community areas*
- Most intersections **lack turn lanes**
- **Condition results in high potential for conflicts** with slowing and turning vehicles



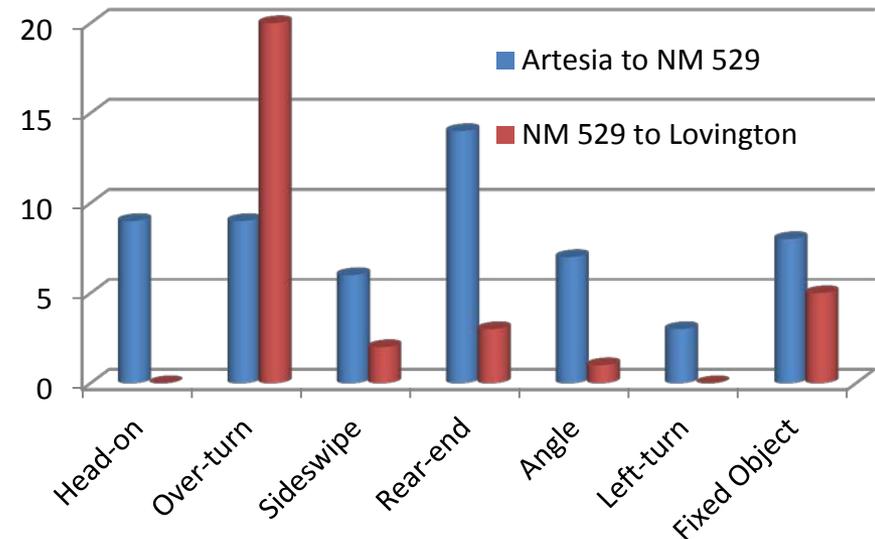
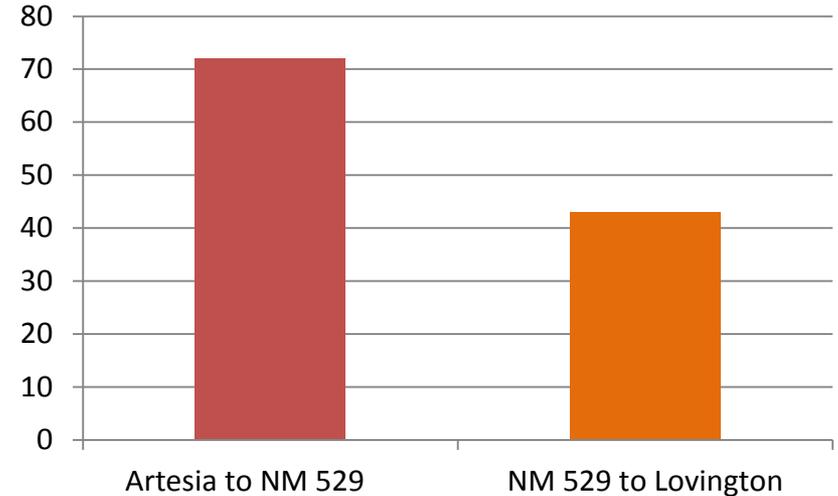
Roadway Condition (Maljamar to Lovington)

- Pavement condition is poor and shoulders are lacking.
- Little room for breakdowns or recovery from driver error



Crash Records Reflect Traffic Characteristics and Road Condition

- 163 crashes recorded on US 82 between 7th St in Artesia and 9th Street in Lovington (2010 through 2013)
- 63% occur from Artesia to NM 529
- Most crashes related to turning and passing activities, especially west of NM 529
- Overturns are predominate crash type between Maljamar and Lovington



Ongoing Investigations and Analyses

- Right-of-way needs and coordination with land owners (BLM, State Land Office, and Private)
- Access closures (limited to approximate ½ to 1 mile intervals)
- Utility conflicts and relocations
- Community impact assessment
- Drainage design
- Environmental impacts and documentation

Project Timeline

	<u>Activity</u>	<u>Completion Date</u>
Complete	– Project Start	February 2015 (complete)
	– Alternative Identification and Screening	June 2015 (complete)
	– Identify Recommended Alternative	August 2015 (complete)
	– Public Comment Period	September 10, 2015 (now)
Underway	– Preliminary Design/Environmental Approvals	Nov./December 2015
	– Final Design and Bid Letting	August/Sept. 2016
	– Ready for Construction	Late 2016

