



TIRS - STATE OF THE STATE REPORT
 NMDOT District Four
 August/September 2019



District 4 is located in the northeastern quadrant of the state and borders Texas, Oklahoma and Colorado. It has four Ports of Entry, six Rest Areas and covers over 22,300 square miles. The District is also comprised of seven counties, twenty municipalities, sixteen patrols, five project offices, and four traveling crews. In addition, maintains over 3,100 centerline miles of roadway with approximately 595 centerline miles of Interstate and 480 centerline miles of US Highway. District 4's Headquarters is located in the largest municipality, Las Vegas, New Mexico.

**NMDOT'S
 TRANSPORTATION
 DISTRICT FOUR**



Walter G. Adams, Chair
 District 4 Commissioner



James M. Gallegos, P.E.
 District 4 Engineer

FY 20 Budget	
Payroll & Benefits	\$ 17,837,200.00
Operating Budget	\$ 4,183,200.00
IT Communications	\$ 312,600.00
Contract Maintenance	\$ 4,817,600.00
Field Supplies	\$ 5,722,500.00
Striping	\$ 1,557,300.00
Rest Area Maintenance	\$ 1,655,400.00
Rest Area Imprvmnts	\$ 302,400.00
Total District 4 Budget	\$ 36,388,200.00

Employee Breakdown		Vacancy
Support Staff	43	10
Maintenance	191	39
Construction	53	13
Engineering Support	22	4
Total	309	66
	Vacancy Rate	21.36%

D-4 CHALLENGES AND CRITICAL NEEDS

Challenges

- Snow Removal – Completed 61,513 pass miles. FY19 Expense totaled \$4.18 Million; Labor Costs (Regular and OT) \$615,422; Equipment Costs - \$2,359,890; and material cost - \$1,208,138.
- Chip Seal – Cost per lane mile is approximately \$15K (including Fog Seal). District 4 has approximately 3,600 lane miles of roadway on the Chip Seal Program.
- With a yearly budget of approximately \$2.0 million, routes will be chip sealed every 13+/- years.
- Equipment: Estimated cost to replace equipment meeting the replacement criteria is approximately \$31.3 million. 1,234 items are on the Equipment Inventory. 510 (41.3%) items meet the replacement criteria. Repair budget estimated needs for the fiscal year to repair and maintain equipment is ±\$1.5 million.

Critical Needs

- Additional FTE's (five) are needed in order to provide maintenance support for the Eagle's Nest Patrol and Rowe Patrol.
- Roadway: District 4's critical roadway needs are \$350 million plus. 70% of District's centerline miles are eligible for federal funding. District 4 has 180+/- miles of unpaved roads; approximately 1,300 miles have no shoulders and 210+/- roads have shoulders 2' or less.
- Bridge: District 4 has 571 structures and the critical bridge repair needs are estimated \$65 million plus; 71 structures have been in service 75 or more years and an additional 223 structures have reached or exceeded their design life of 50 years. In 10 years, 441 of District 4's structures (77%) will have reached or exceeded their 50-year design life.
- Upgrade existing facilities: Nara Visa, San Jon, Clayton and Roy Patrol Buildings need to be updated to meet ADA, electrical and plumbing code.
- Equipment Wash Bay: A new Wash Bay is needed for the Las Vegas Patrol to allow the Patrol to properly clean equipment. Currently, due to past groundwater contamination and on-going remediation efforts, the Patrol is unable to wash their equipment on site and is having to take equipment to other patrols to clean.
- Equipment needs to be upgraded in order to meet the requirements of ongoing maintenance activities. Rollers and other heavy equipment are obsolete and need replacement.

Upcoming STIP Projects		
FY2020 STIP		
Bridge Rehabilitation	I-25 Bridges in Colfax Co. (6210, 6211, 6919, 7101, 7102, 7295, 7296, 8839, and 8840)	\$ 2,300,000.00
Bridge Replacement	FR4118 (Plaza Larga Creek Bridge) - Bridge No. 5231	\$ 6,000,000.00
Roadway Reconstruction	US 54, MP 302.53 to MP 304.46 (Jct. I-40/US 54 to 1.93 Miles East of Jct. I-40/US 54)	\$ 7,500,000.00
Roadway Rehabilitation	US 54, MP 304.35 to MP 306.16 (1.8 Miles East of Ct. I-40/US 54 to 3.6 Miles East of Jct. I-40/US54)	\$ 5,500,000.00
Roadway Rehabilitation	I-40, MP 299.6 to MP 308.3 (I-40 Exit 300 (Newkirk) to 8.3 Miles East of Exit 300)	\$ 10,995,371.00
Roadway Rehabilitation	I-25, MP 420.9 to MP 427 (6 Miles North of I-25, Exit 414 to 12 Miles North of I-25, Exit 414)	\$ 7,530,000.00
Roadway Rehabilitation	NM 434, MP 31 to MP 36.5 (5.2 Miles North of Jct. NM 120 to Jct. NM 434/US 64)	\$ 6,000,000.00
FY2021 STIP		
Bridge Replacement	NM 518, MP 23.2 to MP 24.3 (6.8 Miles North of Mora/San Miguel County Line to 7.9 Miles North of Mora/San Miguel County Line) - Bridge No. 6288	\$ 4,000,000.00
Bridge Replacement	FR2116, MP 14.2 to MP 14.9 (Pecos River Bridge) - Bridge No. 1818	\$ 3,900,000.00
Roadway Rehabilitation	NM 39, MP 14.6 to MP 30 (14.6 Miles North of Jct. US 54 to 30 Miles North of Ct. US 54)	\$ 21,000,000.00
Roadway Rehabilitation	I-40, MP 313 to MP 317 (13.4 Miles East of I-40, Exit 300 (Newkirk) to 17.4 Miles East of I-40, Exit 300)	\$ 8,000,000.00
Roadway Rehabilitation	I-25, MP 415 to MP 421, Exit 414 to 6 Miles North of Exit 414)	\$ 7,527,000.00
Roadway Widening/Reconstruction	NM 434, MP 19.66 to MP 23.3 (19.6 Miles East of Jct. NM 518 to 23.3 Miles East of Jct. NM 518)	\$ 11,000,000.00
Bridge Rehabilitation	US 64, MP 318.6 to MP 319 (Bridge No. 7113)	\$ 800,000.00
Bridge Rehabilitation	I-25 and US 64 Bridges (Bridge Nos. 6108, 6109, 6590, 6591, and 7329)	\$ 1,700,000.00
FY2022 STIP		
Roadway Rehabilitation	I-25, MP 356 to MP 362 (0.4 Miles South of I-25, Exit 356 to 5.6 Miles North of I-25, Exit 356)	\$ 9,500,000.00
Roadway Rehabilitation	I-25, MP 364 to MP 370 (7.6 Miles North of Exit 356 to 13.6 Miles North of Exit 356)	\$ 7,000,000.00
FY2023 STIP		
Bridge Replacement	NM 63, MP 21.6 to MP 22.7 (16.6 Miles North of Jct. NM 50 to 17.7 Miles North of Jct. NM 50) - Bridge No. 3926	\$ 3,500,000.00
Roadway Rehabilitation	I-25, MP 455.3 to MP 459.3 (0.5 Miles South of Exit 454 to 3.7 Miles North of Exit 454)	\$ 15,000,000.00
Roadway Rehabilitation	I-25, MP 299.55 to MP 309 (North of Glorieta to 9.45 Miles North of Glorieta)	\$ 10,000,000.00
Roadway Rehabilitation	I-40, MP 322 to MP 327 (I-40, Exit 321 to 5 Miles East of I-40 Exit 321)	\$ 7,000,000.00
Roadway Rehabilitation	NM 434, MP 25 to MP 31 (South of Jct. NM 120 to Westside of Angel Fire)	\$ 6,000,000.00
Projects in Engineering and Development Phase/Upcoming Projects		
Roadway Widening/Reconstruction	US 64, MP 272.2 to MP 274.7 (Taos/Colfax County Line to 2.5 Miles East of Taos/Colfax County Line)	\$ 11,000,000.00
Roadway Widening/Reconstruction	NM 434, MP 23.3 to MP 25.8 (23.3 Miles East of Ct. NM 518 to 25.8 Miles East of Jct. NM 518)	\$ 10,000,000.00
Interchange Reconstruction	I-25/US64-87 Interchange (Exit 451) in Raton	\$ 20,000,000.00
Bridge Replacement	I-25/US 84 Interchange (Exit 339) - Romeroville Interchange, Bridge No. 6663	\$ 4,000,000.00
Bridge Replacement	I-25/L00016 Interchange (Springer North Interchange), Bridge No. 7299	\$ 4,500,000.00

Construction Activities and Accomplishments

On-Going Projects

Scope of Work	Location	Project Cost
Bridge Replacement and Roadway Reconstruction	US 54, MP 324.9 to MP 326.3	\$ 22,436,268.40
Bridge Rehabilitation	NM 93, MP 0.057 to MP 0.224	\$ 5,106,787.30
Roadway Reconstruction/Rehabilitation and Interchange Reconstruction	I-25, MP 458.9 to MP 460.8 (Raton Pass)	\$ 16,072,320.67
Bridge Rehabilitation	I-40, Bridges @ various locations	\$ 738,260.76
Bridge Rehabilitation	US 64/87. MP 399.3 to MP 399.6	\$ 795,501.81
Roadway Reconstruction and Bridge Rehabilitation	L00015 (Grand Avenue), MP 0.0 to MP 1.73	\$ 13,328,664.94
Bridge Rehabilitation	NM 434, MP 0.05 to MP 0.10	\$ 807,064.46
Metal Barrier Installation	NM 518, MP 36 to MP 44.23	\$ 2,583,840.27

Upcoming Projects

Scope of Work	Location	Project Cost
Roadway Reconstruction and Rehabilitation	I-25, MP 454.25 to MP 460.8 (Raton Pass)	\$ 22,703,069.60
Roadway Reconstruction	US 54, MP 302.53 to MP 304	\$ 10,572,128.00
Roadway Rehabilitation	I-25, MP 420.9 to MP 427	\$ 6,277,317.36
Striping	US 64, MP 271.2 to MP 430	\$ 232,251.33
Roadway Rehabilitation	NM 434, MP 31 to MP 36.5	\$ 3,897,284.34

Laws of 2018 Chapter 73 Section 5 Item 104 (HB2 and 3) General Fund Appropriations

Location	Termini	Scope of Work	Cost	Expended to Date*	Anticipated Completion Date
US 87, MP 0 to MP 5	NM/Texas Stateline towards Clayton	Pavement Reconstruction (FDR)	\$ 6,936,487.50	\$ 764,052.91	November 2019
		Total	\$ 6,936,487.50		

*Estimate is currently in process

Laws of 2018 Chapter 73 Section 5 Item 106 (HB2 and 3) General Fund Appropriations

Location	Improvements	Estimated Total Cost	Expended to Date	Anticipated Completion Date	Comments/Status
I-40 Pajarito EB & WB Rest Areas (Just East of I-40, Exit 300 (Newkirk Interchange))	Design and Construction Management for the Upgrade Sanitary Sewer and Water Systems	\$ 157,489.02	\$ 37,032.10	5/31/2020	Project is currently under design (\$157,489.02). Once design is completed project will be let out to bid and consultant with oversee construction.
I-40 Pajarito EB & WB Rest Areas (Just East of I-40, Exit 300 (Newkirk Interchange))	Upgrade Sanitary Sewer and Water Systems	\$ 529,000.00	\$ -	5/31/2020	Project construction is anticipated to begin January 2020, with construction completed and new systems operational by May 31, 2020.
Various Rest Areas Districtwide	Parking Lot Improvements (Paving, Signing, Striping, etc.)	\$ 1,063,510.98	\$ -	5/31/2020	Project is currently under design with construction activities beginning March 2020 with all work being completed by May 31, 2020.
	Total	\$ 1,750,000.00			

FY 20 Special Appropriations

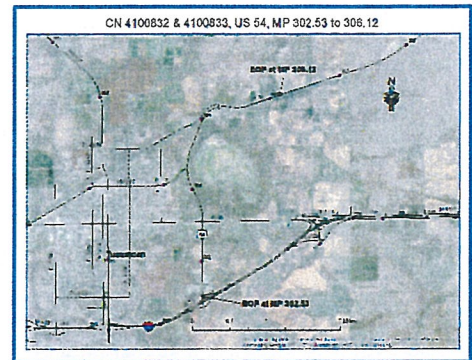
Laws of 2019 Chapter 271 Section 9 Item 1 (HB 2 and 3) General Fund Appropriations

CN	Roadway	MP's	Cost*	Description	Estimated Letting Date
4100832 & 4100833	US 54	302.53 to 306.16	\$ 13	Work includes roadway reconstruction and roadway rehabilitation (mill and inlay roadway with spot reconstruction), ADA improvements, bridge rehabilitation, signal, lighting, and miscellaneous construction.	February/March 2020
4100850	NM 39	14.6 to 30	\$ 21	Work includes major roadway rehabilitation, drainage improvements and miscellaneous construction.	February/March 2021
	Total		\$ 34		

* Cost in Millions



US 54 Projects
CN 4100382 & 4100383
North of Tucumcari



NM 39 Project
CN 4100850 –
MP 14.6 to MP 40



Laws of 2019 Chapter 271 Section 9 Item 2 (HB 2 and 3) General Fund Appropriations

Route	Mile Marker	Landmark	Process	Cost	Completion Date
I-25	309 - 319	North of Rowe	Plant Mix Wearing Course Overlay	\$ 2,850,200.00	October-19
US 64/87	406 - 418 EB lanes only	West of Clayton	Pavement Resurfacing	\$ 4,045,750.00	October-19
US 56	20 - 35, 44 - 60.3	Between Springer and Clayton	Hot In-Place Recycling	\$ 2,080,000.00	May-20
NM 329	0 - 1.9	Las Vegas	Micro Surface	\$ 300,600.00	October-19
NM 65	0 - 5.1	Las Vegas to Montezuma	Micro Surface	\$ 737,713.00	May-20
Grand Avenue (Loop 15)	1.8 - 3.0	Las Vegas	Micro Surface	\$ 237,300.00	May-20
NM 518	30.5 - 44.3	Mora - top of Holman Hill	Micro Surface	\$ 1,213,050.00	October-19
I-40	362.9 - 373.4	Between San Jon and Texas State Line	Crack Seal	\$ 548,200.00	October-19
US 54	326 - 355.3	Between Logan and Texas State Line	Crack Seal	\$ 683,850.00	October-19
NM 209	35.5 - 45	East of Ragland	Crack Seal	\$ 131,650.00	October-19
District Wide	Raton Area/Las Vegas Area	Raton and Las Vegas	Crushing	\$ 504,667.00	March-20
US 64/87 - I-25 Interchange	451	Raton	Study	\$ 1,500,000.00	May-20
		Total		\$ 14,833,000.00	

Estimated Quantities, everything subject to change.



**I-25 Plant Mix Wearing Course Project
North of Rowe/Pecos**



**I-40 Crack Seal Project
San Jon to TX State Line**



**Grand Ave L00015 Micro-Surface
Project – Las Vegas**



**NM 65 Micro-Surface Project
LV to Montezuma**



**Cold Milling Piles
To Be Processed into Cold Mix, etc.
District Wide**

Major Unfunded Project Needs (Dollars in Millions)

CN	Roadway	MP's	Design Status 0/30/60/90	Design Team Internal/External Name	Cost*	Description
TBD	U.S. 54	306.1 to 356.2	0%	Chris Urioste, PDE; District 4 Design or North Region Design	\$ 80	Reconstruction or Major Rehabilitation of 50 Miles of US 54 from Tucumcari to the New Mexico/Texas Stateline (approx. 50.1 miles). US 54 is heavily utilized to transport freight and provide mobility for the traveling public in the eastern part of the state. The reconstruction/rehabilitation of this corridor would enhance safety, enhance economic development, improve mobility, and increase tourism for the eastern portion of the state. Development has not yet started on this portion of the corridor.
4100920 & TBD	U.S. 64/87	349.4 to 404	0%	Chris Urioste, PDE; District 4 Design or North Region Design	\$ 120	Rehabilitation from Raton to Clayton. US 64/87 is part of the Ports-to-Plains Alliance Corridor and continues to see an increase in both freight and tourist traffic. During the GRIP era, US 64/87 was expanded to 4 lanes, however, no funding was allocated for the rehabilitation of the existing two lanes of the corridor. The major rehabilitation/reconstruction of this corridor would enhance safety, enhance economic development, improve mobility, and increase tourism for the northeast portion of the state. Project development has not yet started for this corridor.
4101690	I-25/US64/87 Interchange	349 to 349.5	0%	TBD - Consultant Design	\$ 20	Reconstruction of the I25/US64/87 interchange at exit 451 in Raton. I-25/US64/87 Interchange is a major interchange on the Ports-to-Plains Alliance Corridor in New Mexico. It is currently heavily utilized by tourists, commercial vehicles and local residents. The Reconstruction of this interchange will elevate the major safety concern of traffic backup on the Interstate as a result of congestion at this interchange. In addition, the reconstruction of the interchange would also help to improve geometric deficiencies and other safety concerns. Project development has not yet started for this project.
TBD	NM 39	30 to 39.6	0%	Dana Garcia, PDE; North Region Design	\$ 15	Pavement has met its structural life and is in need of reconstruction/rehabilitation. The rehabilitation of this corridor would enhance safety, enhance economic development, improve mobility, and increase tourism for the northeast portion of the state.
TBD	L00016	0.7 to 1.1	0%	Chris Urioste, PDE; TBD - Consultant Design	\$ 15	Roadway Reconstruction, Drainage Improvements, ADA Improvements, lighting etc. on the I-25 Business Loop Through Springer. L00016 is one of the main roadways through Springer and is in need of major rehabilitation or reconstruction. The reconstruction/rehabilitation of this corridor would enhance safety, enhance economic development, improve mobility, and increase tourism for the eastern portion of the state. Development has not yet started on this portion of the corridor.

*Project costs are based on formula calculations and are intended to provide an initial estimate only. Costs are not intended for programming or financing.



**Unfunded Priority No. 1
US 54 in Quay County –
50 Miles Recon/Rehab
(\$80 Million)**



**Unfunded Priority No. 2
US 64/87, Raton to Clayton
55 Miles Recon/Rehab
(\$120 Million)**





**Unfunded Priority No. 3
US 64/87, New Interchange in
Raton (\$20 Million)**



**Unfunded Priority No. 4
NM 39 in Harding
10 Miles Recon/Rehab
(\$15 Million)**



**Unfunded Priority No. 5
L00016 in Springer
Urban Construction
Recon/Rehab/Drainage &
ADA Improvements
(\$15 Million)**



Equipment Needs District 4

40's Southern Patrols

Equipment	Quantity	Cost	Total	Justification
Steel Wheel Drum Roller (4-6 ton)	3	\$60,000.00	\$180,000.00	Current rollers do not meet OSHA standards
skid loader with Milling attachments	3	\$60,000.00	\$180,000.00	Needed for milling roadways to lay asphalt
Motorized Broom	4	\$54,000.00	\$216,000.00	Needed to replace old existing brooms
Towable air compressor	3	\$30,000.00	\$90,000.00	Needed for daily routine maintenance
Wood Chipper	2	\$55,000.00	\$110,000.00	Needed to chip vegetation (currently have 1)
Message Boards	4	\$18,000.00	\$72,000.00	Needed to replace old broken message boards
Scorpion attenuator	1	\$23,000.00	\$23,000.00	Needed for safe traffic control operations
Arrow Board	1	\$15,000.00	\$15,000.00	Needed for safe traffic control operations
Henke Asphalt Screed Loader Mount box	2	\$13,000.00	\$26,000.00	Needed for asphalt patching on the roadways (currently have 1)
Backhoe with point breaker	1	\$100,000.00	\$100,000.00	Needed to replace old backhoe in Trementina

Total 40s \$1,012,000.00

50's Northern Patrols

Water Truck	1	\$190,000.00	\$190,000.00	An additional water truck is needed for unpaved road maintenance
5th Wheel tractors	2	\$145,000.00	\$290,000.00	Needed for hauling and laying operations of material
Belly Dump Trailers	2	\$40,000.00	\$80,000.00	Needed for hauling and laying operations of material
side boom mower tractor	1	\$90,000.00	\$90,000.00	Needed for vegetation management
skid steer loader with attachments	2	\$60,000.00	\$120,000.00	Needed for milling, drainage cleaning, and fence maintenance
Spray Injection Patcher	1	\$101,000.00	\$101,000.00	Needed to simplify patching operations
Wood Chipper	1	\$55,000.00	\$55,000.00	Needed to chip vegetation
50 ton low boy trailer	1	\$66,000.00	\$66,000.00	Needed to move the blades and other equipment from jobsite to jobsite
Snow Plow attachment for Loader	1	\$14,000.00	\$14,000.00	Needed for snow removal operations

Total 50s \$1,006,000.00

60's Central Patrols

5th Wheel tractors	2	\$145,000.00	\$290,000.00	Needed for hauling and laying operations of material
Belly Dump Trailers	2	\$40,000.00	\$80,000.00	Needed for hauling and laying operations of material
steel Wheel Drum Roller (4-6 ton)	2	\$60,000.00	\$120,000.00	Current rollers do not meet OSHA standards
Snow Plow attachment for Case Loader	1	\$14,000.00	\$14,000.00	Needed for snow removal operations
Milling attachment for Case Loader	1	\$30,000.00	\$30,000.00	Needed to mill roadways for patching operations
Bucket with rock teeth for Case Loader	1	\$10,000.00	\$10,000.00	Needed to break up cold milling piles that have hardened
50 ton low boy trailer	1	\$66,000.00	\$66,000.00	Needed to move the blades and other equipment from jobsite to jobsite
Message Boards	6	\$18,000.00	\$108,000.00	Needed to replace old broken message boards
Backhoe with point breaker	2	\$100,000.00	\$200,000.00	Needed for the Eagle Nest Patrol for daily operations
Towable Air Compressor	1	\$30,000.00	\$30,000.00	Needed for daily routine maintenance
UTV (side by side)	3	\$12,000.00	\$36,000.00	Needed for fence maintenance and other operations in rural areas

Total 60s \$984,000.00

80's Special Crews

Distributor Truck	1	\$250,000.00	\$250,000.00	Needed to replace current old Distributor
Pneumatic rollers	3	\$155,000.00	\$465,000.00	Needed to replace current old Pneumatic Rollers
Backhoe with point breaker	1	\$100,000.00	\$100,000.00	Needed for daily operations for special crews
Pump Truck for rest areas/patrols District Wide	1	\$200,000.00	\$200,000.00	Needed to pump all facilities in D4 including rest areas (cost savings)
Towable Air Compressor	2	\$30,000.00	\$60,000.00	Needed for daily routine maintenance
Snow Plow attachment for Loader	1	\$14,000.00	\$14,000.00	Needed for snow removal operations
Water wagon trailer with pump (Bridge Crew)	1	\$25,000.00	\$25,000.00	Needed for Bridge Repair Operations
Steel Wheel Drum Roller (4-6 ton) (Bridge Crew)	1	\$60,000.00	\$60,000.00	Needed for erosion repair near bridges
Trailer with 2 pressure washers and tank (Bridge Crew)	1	\$14,000.00	\$14,000.00	Needed for clean up and Maintenance of bridge decks throughout District

Total 80s \$1,188,000.00

Total Equipment \$4,150,000.00

