

Prewitt-Milan Transportation Master Plan

Presentation to:

Northwest NM Council of Governments Board of Directors

April 20, 2022



**WILSON
& COMPANY**

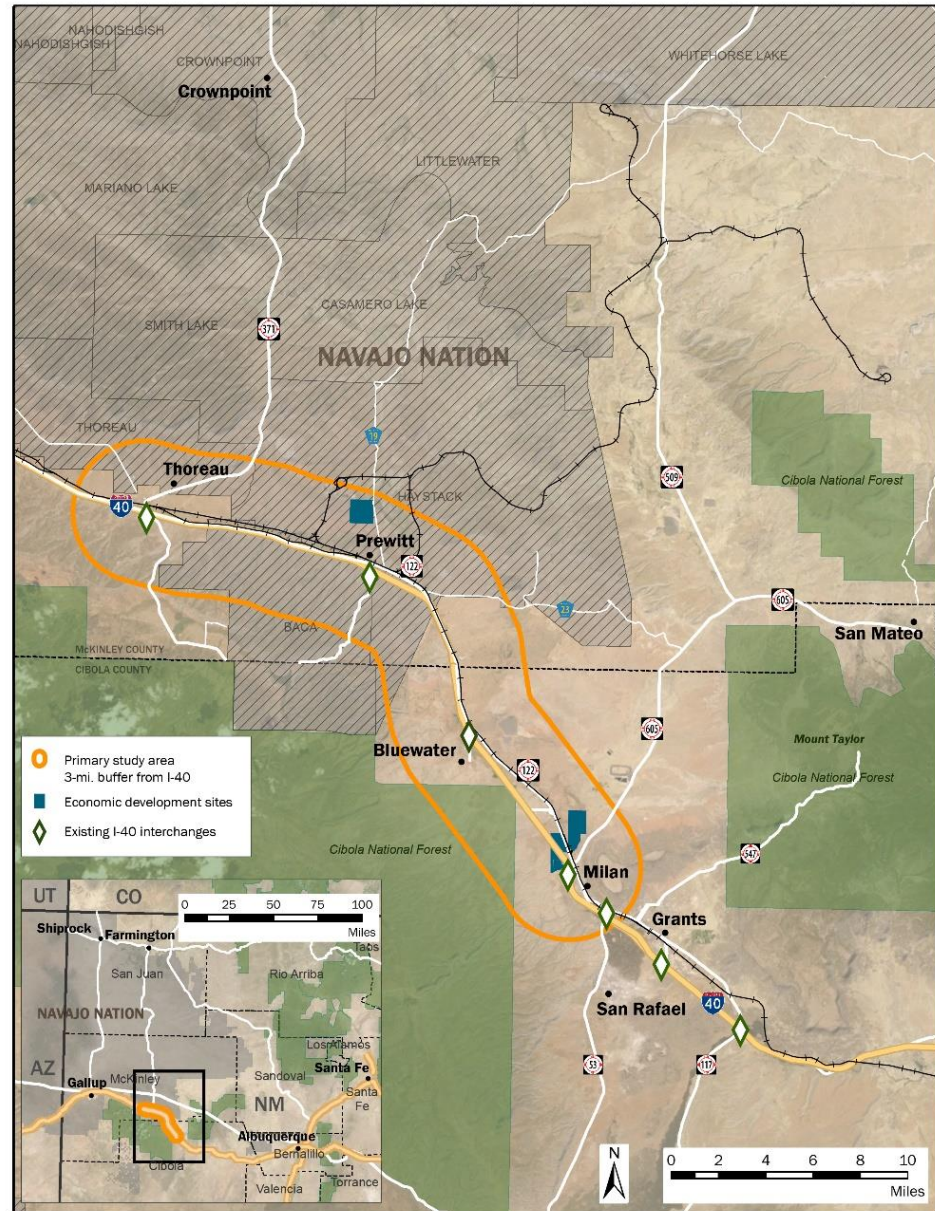
discipline | intensity | collaboration | shared ownership | solutions

Project Objective

- ✓ **Coordinate** the planning and delivery of projects to improve access to the Prewitt and Milan industrial parks (*shovel-ready, rail-served parks*)
- ✓ **Analyze** the multimodal transportation system to support industrial and economic development needs to maximize the potential for the Prewitt and Milan industrial parks and potential supporting private investments to foster job growth
- ✓ **Plan** and identify next-step design needs and opportunities, and outline funding in order to construct the infrastructure needed to serve an emerging economic boom in Northwest New Mexico

Study Area

Approximately 183 square miles, the plan extends for 3 miles in either direction along I-40 from Milan to Thoreau. Includes Prewitt, Bluewater, and portions of McKinley and Cibola Counties and the Navajo Nation



Plan Components

Purpose and Need

Area Demographics

- Population/Race/Language/Education
- Employment/Commute Patterns

Economic Context

- Key Industries
- Target Industries
- Trends and Opportunities
- Future Generators

Existing Transportation System and Needs

Transportation Focus Areas

- Economic Vitality
- Safety
- Mobility
- Project Readiness
- Environmental Sustainability

Priority Project List

Key Findings

- Study Area Population 5,475
- 2,089 Households
- 83% of Residents Work Outside the Study Area
- 62% of Residents indicate Hispanic Origin
- Significant Navajo Population
- Primary Economic Generators include:
 - Agriculture, Mining, and Oil & Gas

Transportation System

Airports

Grants-Milan Municipal Airport

Rail

Burlington Northern Santa Fe / Southern Transcon

109 miles of track in study area / 80 trains per day

43 miles of double track

Spur Lines to Escalante Generating Station and Mine Sites

20 Railroad Crossings, 10 grade-separated

Gallup – BNSF Rail Yard

Interstate 40

32.5 miles within study area

5 Interchanges

4 Travel Centers

Transportation Focus Areas

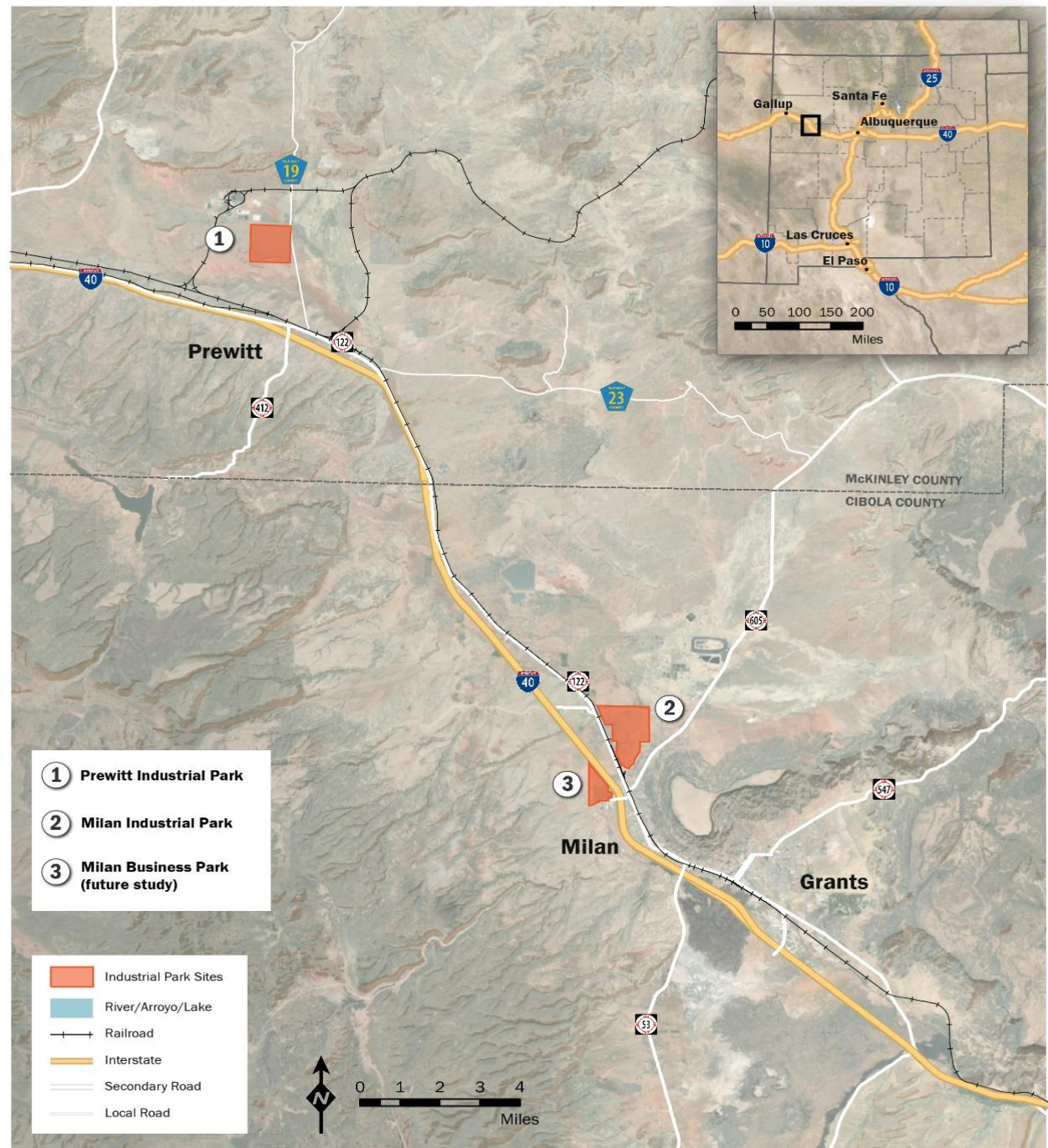
- Industrial Parks
- Interchange Geometrics
- Road Conditions
- Freight & Rail
- Safety



Regional Priorities

- **Economic Vitality**
 - ✓ Improve access to area enterprises
 - ✓ Jobs
- **Safety**
 - ✓ Reduce conflicts
 - ✓ Vehicular and pedestrian travel
- **Mobility**
 - ✓ Freight
 - ✓ Regional and local
- **Environmental Sustainability**
 - ✓ Cultural, Natural, Protected Areas
- **Project Readiness**

Industrial Park Sites



Prewitt Industrial Park (2020)

- 626-acre site north of the community of Prewitt, in McKinley County, New Mexico
- Commonly referred to as the County Road 19 Site, just south of the Escalante power plant in Prewitt
- Good access to I-40 and BNSF Transcon



Milan Industrial Park

- 913-acre master planned industrial park
- Directly along BNSF Transcon
- Near I-40, truck stop & Grants-Milan Airport
- Phase I design is underway



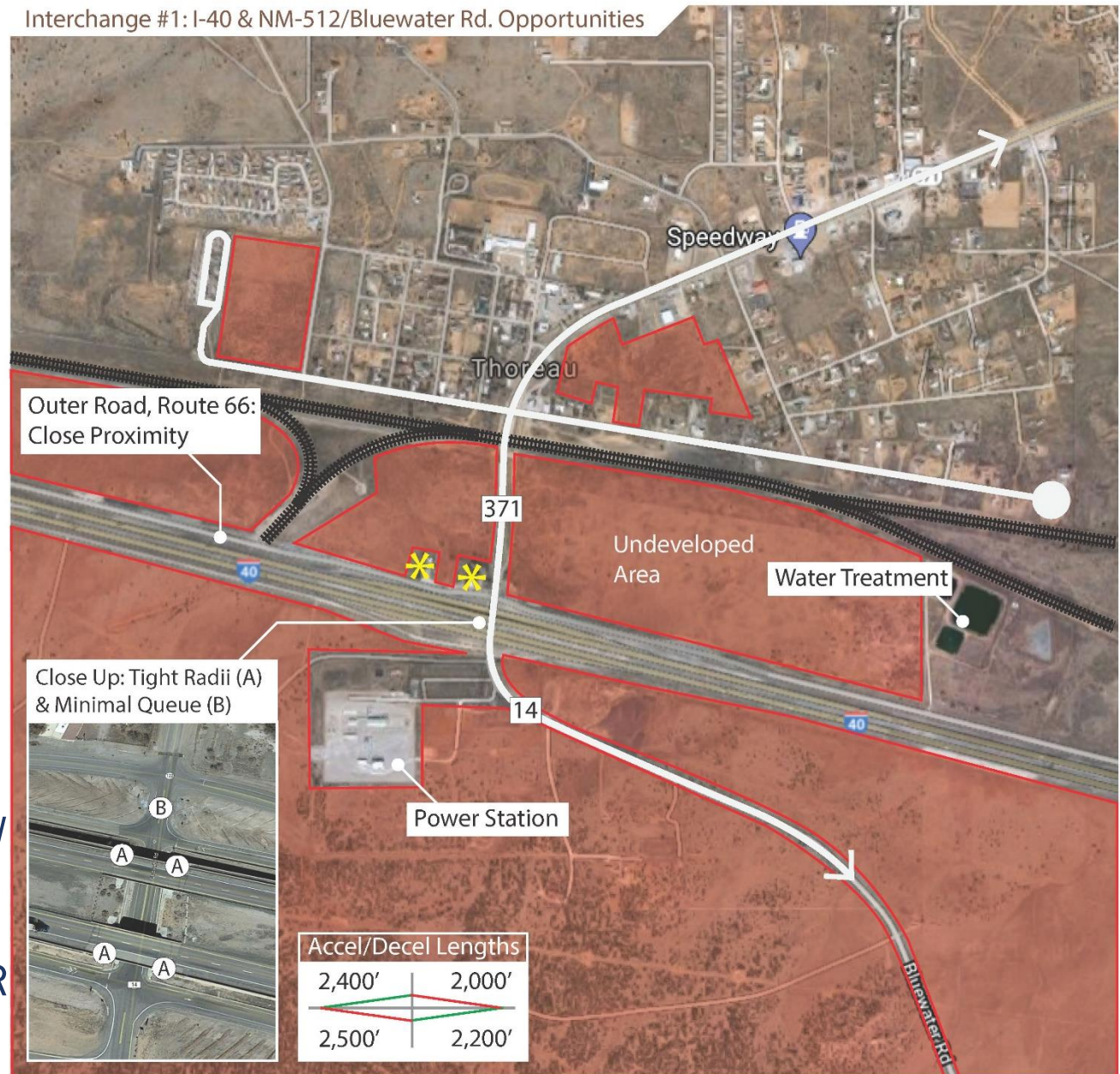
Transportation Analysis

Outer Road close proximity ~75'

Tight on/off ramp radii & queue lengths

Power Station at SW quadrant

Grade separated RR crossing



I-40 Corridor Issues & Opportunities

I-40 & Bluewater Road Interchange in Thoreau, NM



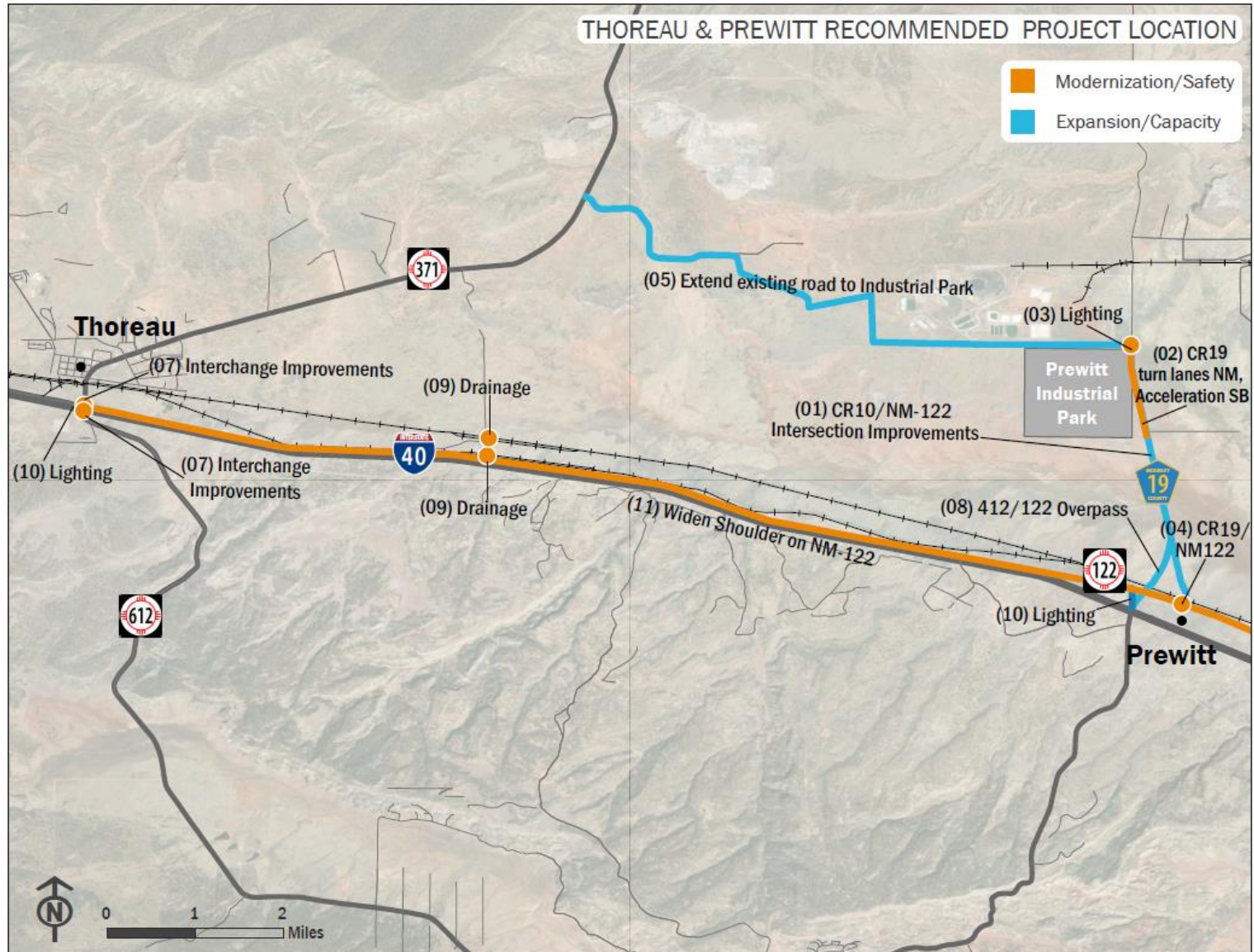
- 20 projects ranked and prioritized
- Scoring criteria based on Regional Priorities



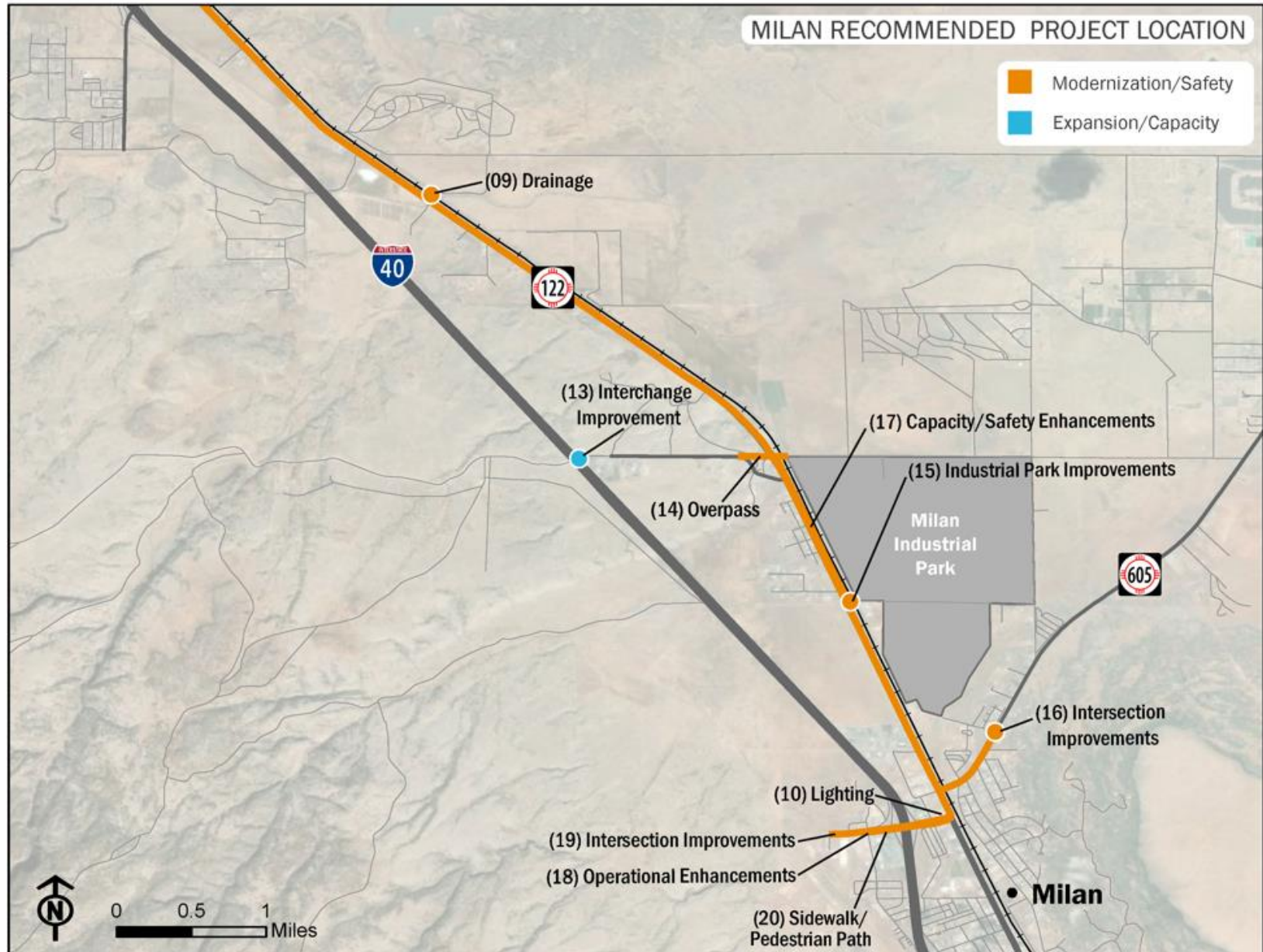
Rank	Score	Project Number	County	Facility	Project Extent/Location	Project Description
1	45	RD13	Cibola	I-40 at NM-568	–	Construct new interstate interchange
1 (tie)	45	RD14	Cibola	NM-122 at NM-568/Nursery Road	–	Construct overpass over NM-122 and railroad tracks
3 (tie)	39	RD04	McKinley	NM-122	Intersection with CR-19	Intersection improvements, including turn lanes, acceleration/deceleration lanes, roadway lighting (CR 19 and NM-122)
3 (tie)	39	RD08	McKinley	NM-412 and NM-122	–	Construct overpass/interchange from NM-412 over NM-122 and railroad tracks, tying into CR-19 to the north; construct if trucks are not routed through Thoreau to Prewitt Industrial Park.
5	38	RD07	McKinley	I-40 Thoreau Interchange (exit 53)	–	Refit or reconstruct interchange for wider truck turn radii
6	37	RD06	McKinley	NM-122 and NM-371	Intersection	Realign intersection and NM-122 to north of existing buildings.
7 (tie)	34	RD05	McKinley	Red Mesa Bluffs Drive/Solid Waste Authority access road	Between NM-371 and EGS-Biopappel complex/Prewitt Industrial Park	Extend access road to industrial park site. Reconstruct to cross section needed for significant truck traffic. (Red Bluffs Mesa)
7 (tie)	34	RD19	Cibola	Horizon Boulevard	Intersection of Motel Drive west to end of roadway	Various enhancements including intersection improvements, reconstruction of roadway, sidewalks, etc. as needed to support Golf Course site redevelopment.
9 (tie)	33	RD01	McKinley	County Road 19	Entrance to Escalante Generating Station/Biopappel to NM-122	Capacity improvements, including widened shoulder (CR 19)
9 (tie)	33	RD02	McKinley	County Road 19	Future entrance to Prewitt Industrial Park	Acceleration lanes for SB CR-19, NB turn lanes

Rank	Score	Project Number	County	Facility	Project Extent/Location	Project Description
9 (tie)	33	RD03	McKinley	County Road 19	Future entrance to Prewitt Industrial Park	Roadway lighting at entrance to industrial park driveway (CR 19)
12	30	RD20	Cibola	Horizon Boulevard	End of existing sidewalk to Motel Drive	Construct sidewalk/pedestrian path from existing sidewalk to Motel Drive
13	28	RD18	Cibola	Horizon Boulevard	Intersections with on-ramp/off-ramps	Operational enhancements, including traffic signals and lighting
14 (tie)	26	RD10	Cibola and McKinley	I-40 interchanges within study area	Between interchanges and NM-122	Roadway lighting at interchange and between interchange and nearest NM-122 intersection
14 (tie)	26	RD15	Cibola	NM-122	Intersection with Mill Road	Industrial Park Phase I improvements. Phase I improvements are detailed in traffic impact analysis (draft currently being reviewed by NMDOT)
14 (tie)	26	RD16	Cibola	NM-605	Intersection with Stanley Road	Phase I improvements are detailed in traffic impact analysis (draft currently being reviewed by NMDOT)
14 (tie)	26	RD17	Cibola	NM-122 and NM-605	On NM-122: between Nursery Road and Horizon Boulevard; on NM-605: between NM-122 and Stanley Road	Industrial park Phase II & III capacity/safety enhancements at entrances to Milan Industrial Park, including traffic signals, turn lanes, acceleration/deceleration lanes.
18 (tie)	25	RD09	McKinley	Underpasses under railroad bridges (along NM-122)	Milan to Thoreau	Drainage improvements as needed.
18 (tie)	25	RD12	Cibola	NM-122	Between Milan Industrial Park and start of two-lane section	Spot shoulder improvements. Maintenance/mowing of existing shoulders.
20	22	RD11	Cibola and McKinley	NM-122	Between Milan Industrial Park and NM-371	Widened shoulder on two-lane portion of NM-122, at least near major intersections.

Project Location Map



Project Location Map



Next Steps:

- ✓ Finalize Project Prioritization/Scoring
- ✓ Draft master plan
- ✓ Monitoring document
- ✓ Focus group – Navajo Nation

Thank you!