



2014 - IN PLACE RECYCLING CONFERENCE NEW MEXICO DEPARTMENT OF TRANSPORTATION

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IN – PLACE RECYCLE NMDOT

NEW MEXICO'S DEMOGRAPHICS & OTHER INFORMATION

- Population (2013) – 2.1 Million (36% increase since 1990)
- States total area - 121,412 Square Miles
- Albuquerque largest city (555,500 population)
 - Las Cruces (101,000)
 - Rio Rancho (91,000)
 - Santa Fe (70,000)
 - Roswell (48,500)
- 31,000 Lane Miles owned and maintained by NMDOT
- 4,161 Lane Miles Interstate (I-25, I-40 & I-10)
- Total number of Lane Miles maintained increased 2% over the past five years
 - Increased 14% since 2000
- 98% Interstates in Good Condition
- 97% Non-Interstate/NHS in Good Condition
- 78% Non-NHS Routes in Good Condition
- Approximately 8% NMDOT Roads in Poor Condition



IN-PLACE RECYCLE – NMDOT



NMDOT –SIX (6) DISTRICTS

District Five – Santa Fe
General Office (HQ)

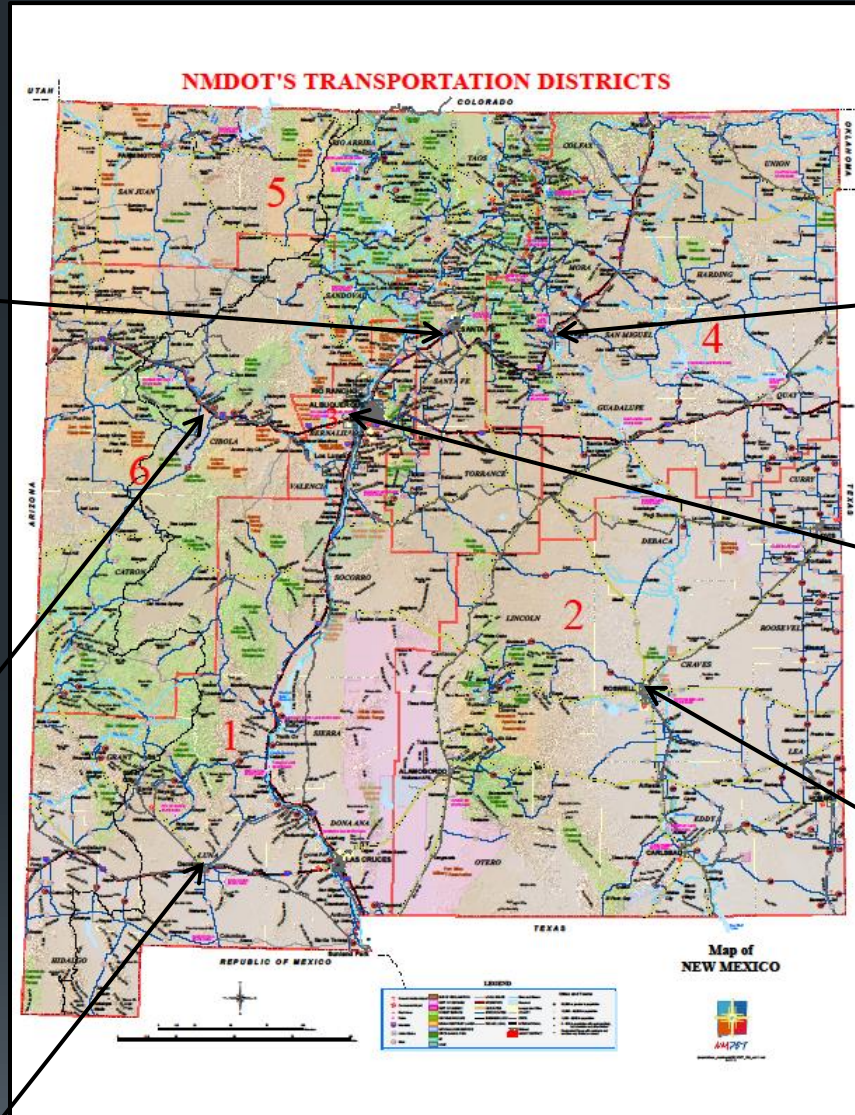
District 4 –
Las Vegas

District 3 –
Albuquerque

District 6 - Milan

District 2 –
Roswell

District 1 – Deming





IN – PLACE RECYCLE NMDOT

Construction & Maintenance

CONSTRUCTION (FY 2014):

- 99 Projects valued at \$229.1 Million
 - Roadway Reconstruction & Rehabilitation - \$150.5 Million
 - Rehab/Pavement Preservation - \$70 Million

MAINTENANCE (FY 2014):

- Maintenance Pavement Preservation (Fog Seal, Crack Seal, Overlay, Heater Scarification, Central Plant Cold Recycle) – \$32.5 Million
- Maintenance Chip Seal Program - \$9.8 Million

TOTAL ESTIMATED DOLLARS - \$112.5 MILLION (Pavement Rehab/Preservation)



IN-PLACE RECYCLE – NMDOT



NEW MEXICO'S WILDLIFE



Black Bear - State Animal



Roadrunner – State Bird



Mule Deer



Elk



Rocky Mountain Big Horn





IN-PLACE RECYCLE – NMDOT

CURRENT IN-PLACE RECYCLING

- Maintenance
 - Central Plant Cold Recycling (stockpiled RAP) and laydown
 - Pavement Surface Restoration (Cutler Process)
- Construction
 - Not many projects since 1998
 - I40 In Place Recycle (Rotomill/Compact) No additives 2010 - 3 Miles
 - US 60 Full Depth Reclamation (FDR) 2012 - 12 Miles
 - Cold Central Plant Cold Recycle 2013 (Coors Boulevard) – 3 Miles

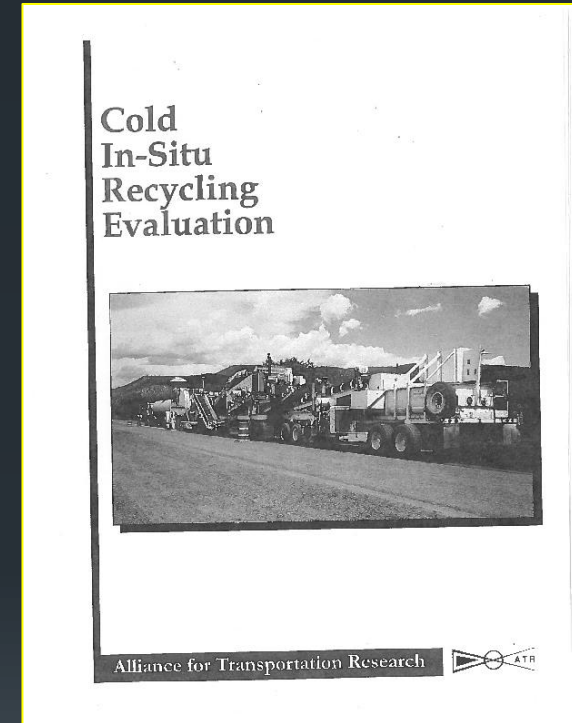




IN-PLACE RECYCLE – NMDOT

PAST EXPERIENCES WITH IN-PLACE RECYCLING

- NMDOT provided over 150 Major Projects (over 1200 miles) from 1984 to 1998
- Cold In-Situ Recycling Evaluation (Research Project) was done on 45 of these projects. Report dated December 1996 (R.Gordon McKeen P.E.)
- Conclusion of Report
 - Performance Evaluation indicates Excellent
 - Analysis cost data shows saves significant resources compared to mill/inlay or overlay.
 - Environmental impacts and resource savings are substantial. Reduced demand for new aggregate, new asphalt, fuel for hauling; manufacturing aggregates, asphalt mixtures and disposal of existing pavement materials.
 - Maintenance costs are reduced in comparison to inlays/overlays based on substantial delay in the occurrence of cracking during the design life thus resulting in reduced cost for crack sealing.



IN-PLACE RECYCLE – NMDOT

QUESTIONS???

