2014 - IN PLACE RECYCLING CONFERENCE
NEW MEXICO DEPARTMENT OF TRANSPORTATION

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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 2 – Roswell

District 6 - Milan

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)
NEW MEXICO’S WILDLIFE

Black Bear - State Animal
Roadrunner – State Bird
Mule Deer
Rocky Mountain Big Horn
Elk
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
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???