“Promote stormwater stewardship as an essential element of all NDOT operations.”
Stay Tuned!
Problem

- No resources
- No commitment
  - No authority
  - No desire
  - No program
Problem

- EPA audit 2011
- Lack of program implementation
  - Overall inadequacy
- EPA threatened major enforcement
  - NDOT unable to act
Governor:
“Failure is not an option.”

- Governor’s Office, Department of Conservation and Natural Resources, Nevada Division of Environmental Protection, Nevada Department of Transportation
Approach/Solution

2015 Legislature

- Senate Bill
  - Permitting and enforcement authority
  - New Deputy Director position
  - Lots of reporting, oversight committee

- Major budget amendment
  - $13mm, 42 new positions
  - Equipment
Approach/Solution

Consent Decree with EPA

- Program elements to be developed
- Automated and integrated
- Training and outreach
- Stipulated penalties

State’s commitment allowed EPA flexibility

- Challenging but possible
- Compliant and sustainable program
Approach/Solution

- Operation and Maintenance Program
- Maintenance Facilities
- Illicit Discharge Detection and Elimination
- Post Construction Stormwater Management Program
- Contraction Site Runoff Control
- Public Stormwater Education Program
- Employee Training
- SW Management Plan
- Annual Report
# Implementation

## Balance of NDEP and NDOT Personnel

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Title</th>
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<tr>
<td>Deputy Director</td>
<td>David Nashan, P.E.</td>
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<tr>
<td>Stormwater Assistant</td>
<td>Terry Zieske</td>
<td>NDOT</td>
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<td>Information Mgr</td>
<td>John Mclaughn</td>
<td>NDEP</td>
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<td>Design</td>
<td>Mary Schmitz</td>
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<td>Program Development</td>
<td>James Berndt</td>
<td>NDEP</td>
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<td>Compliance/Enforcement</td>
<td>Michael Ziegler</td>
<td>NDEP</td>
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<td>Enforcement</td>
<td>Steve D. Ace</td>
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<td>Training</td>
<td>Jerry Terry</td>
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<td>Chris Brown</td>
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Nevada DOT

Safe and Connected
# Implementation

## Deputy Director
- Tracy Lauen-Thomsen, P.E.
- DEP Dir.

## Districts
- **District 1:** East Las Vegas
- **District 2:** Reno
- **District 3:** Taho

## Staff Support
- **District 1:**
  - Kayla Martinez, P.E.
  - Avelardo Garcia
- **District 2:**
  - Tim Vedder, P.E.
  - Anthony Aragon
- **District 3:**
  - Matt Mayfield

## Compliance
- **District 1:**
  - Tyler Wood
  - Cynthia Vasquez
- **District 2:**
  - Dwayne Alexander
  - Robert Natanos
- **District 3:**
  - Joseph Bowers
  - Michael Thomas

## Stormwater Maint.
- **District 1:**
  - Glen Jaffrey
  - Alex Miller
- **District 2:**
  - Charles Dolemburg
  - Dave Bonner
- **District 3:**
  - Geoffrey Meadows
  - Bruce Hughes

## Additional Staff
- **District 1:**
  - Nick Nelson
  - Sharon Gregory
- **District 2:**
  - Darrell Lewis
  - Martin Salazar
- **District 3:**
  - Barbara Mitchell

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**Nevada DOT**

**Safe & Connected**
Implementation

- GIS mapping of assets
- Program development
- Roles and responsibilities
- Compliance and enforcement
- Training overhaul
- Strong outreach - internal and external
Crew Boundary Layer to Stormwater Assets by Work Location

Priority Zone Layer Shows Assets in Specific Identified Areas
Implementation

• Not a stand-alone program
• Interface and integrate with other divisions
• Field offices
  ▪ Maintenance
  ▪ Construction
  ▪ Inspections
Where Are We Now?

- Major submittals completed
- Transition from CD to MS4 permit
- Permit in EPA review and public comment process
Challenges

• Culture change
  ▪ Big old department
  ▪ Crusty old employees
  ▪ More silos than Kansas
• Resources, priorities
• Regulatee vs Regulator
• District structure
• Turnover
Lessons Learned

• Supportive governor, directors
• Constructive EPA
  • Win-win, not unfunded mandates
  • Value added
    • More than just asphalt
    • Integrated and automated
      • Hire good people
      • Right attitude, right approach
Conclusion

Don’t try this at home, but it CAN be done!

If done right, a good stormwater program can be a benefit to a DOT and the state.
NEVADA DOT
SAFE AND CONNECTED

www.nevadadot.com