Converting a Paved Road to a Gravel Road & Best Practices for Surfacing with Asphalt Millings

David Jones, University of California, and Bruce Drewes, 3T Group

32nd Annual North Central Local Roads Conference
Rapid City, SD - October 18-19, 2017
Introduction

• Bruce Drewes: Will discuss the assistance that a Strategic Highway Safety Plan and Public input can provide. (30 Min)

• David Jones: Will discuss the report NCHRP 485 and the best practices in using Asphalt Grinding as a surface material. (60 Min)
Agenda

• NCHRP 485 Converting Paved Roads to Unpaved
• Public Involvement
• Setting the public’s expectations
Converting Paved Roads to Unpaved

http://nap.edu/21935
NCHRP Synthesis 485

- Surveyed a large number of State and Local Agencies. (27 States, 70 conversions, 550 miles)

- And the Survey Found:
  - The term “Unpaved”
  - The Public has a strong opinion about converting “Paved Roads to Unpaved”
  - The roads were paved when Asphalt was inexpensive.
Public Outreach

• Public input should be considered any time:
  – Change the road surface,
  – Change the level of service,
  – Other major planned projects (drainage, widenings)
  – Other times that the agency may need Public input.
Public Outreach

- Publish notice in the local paper.
- Send out post card or letter.
- Post public hearing notice.
- Use door knockers.
Setting PUBLIC Expectations

- Pavement Management Plan
  - Pavement Maintenance
  - Pavement Destress (PACERS, PI)
  - Pavement Design (Heavy Truck Traffic, Light Truck traffic)

- Unpaved Roads Management Plan
  - Unpaved Road Design
  - Surface Gravel Standard
  - Surface Treatments Standard
• **Sign Management Plan**
  - Sign Location
  - Sign Type
  - Sign Mounting
  - Last Inspected

• **Snow Removal Plan**
  - Road Priorities
  - Equipment Used
  - Schedule
  - Chemicals Used

• **Safety Plan**
  - Crash location
  - Type of Crash
  - Roadway Features at Crash
  - Location
More Information

• NCHRP 485 Converting Paved Roads to Unpaved

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