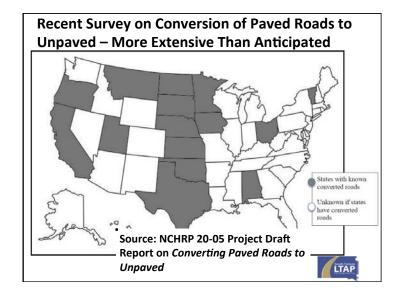
Reversion of Paved Surfaces to Unpaved Surfaces

2015 Region Local Roads Conference Rapid City, SD

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Like it or not – Some local agencies will have to face this: Observation in 2010 on road that was reverted from paved to unpaved in 1986 Negative reaction from residents at time of reversion in 1986 No one remembered in 2010! Traffic volume is 55 vehicle per day

Day County, SD Experience

- Several reversion projects have been done
- Initial negative reaction from the public, but seem to accept it after seeing a better driving surface, even though it is unpaved.
- All projects have been done by:
 - Add additional gravel prior to recycle
 - Recycling existing pavement and new gravel
 - Shape and compact
 - Begin maintaining as a gravel road.













Brown County, SD Experience

- County Road system is extensive:
 - 680 miles total
 - 480 miles paved many in poor condition
 - 200 miles unpaved
 - Total annual hwy budget is 9.2 million dollars.
 - By best estimate, 40 million dollars is needed annually to repair/maintain the current paved system.

LTAP

Far too many paved miles for budget to support.



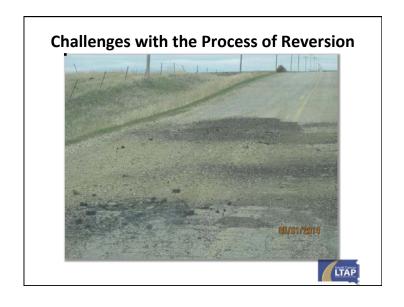




Experimenting with Reversion Process

- Simply go back to gravel
- Gravel surface with treatment for dust control
- Stabilized gravel -
 - Emulsified asphalt stabilization
 - Portland cement stabilization











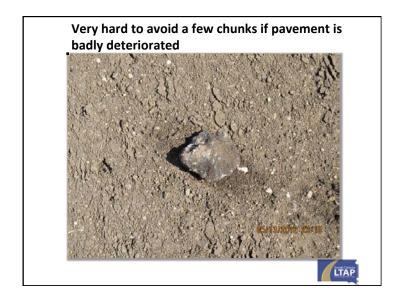












Compaction can be difficult in thick lifts with a high percentage of bituminous material



Documentation of performance on a project one year after reversion from failing pavement to untreated gravel – average daily traffic is 90 vehicles per day



If you cannot sustain your paved road system, you will have to do some reversion.

Do it right and it works.

Thank You