



NDSU

UPPER GREAT PLAINS TRANSPORTATION INSTITUTE
NORTH DAKOTA LOCAL TECHNICAL ASSISTANCE PROGRAM

Bill Anderson Status Report



William Anderson
NDSU/UGPTI
Technical Support Representative
William.anderson.5@ndsu.edu
701-220-9337 (M)

This status report covers the period May 1 – May 31, 2014.

Bowman County	<p>Neil Hofland, Road Superintendent shared that Bowman County has purchased and used magnesium chloride crystals for dust control. The cost for the product is .98 per lb. delivered to Bowman County. Neil believes there is good potential for the magnesium chloride crystals to be utilized in repair of small sections or roadways.</p> <p>Product Information: Chemical industries Alberta Inc. 4516 10th Street NE Calgary, AB 1-800-447-1437 1-403-571-7979</p>
Mercer County	<p>Ken Miller, County Road Superintendent and Elroy Opp, Assistant County Road Superintendent discussed their opinion of what good gravel is. The opinion of good gravel for surfacing is sometimes the opinion of the road user and road manager. The opinions of these people may not be the same. Ken, Elroy and I agree emphasis on binding properties of the aggregates is stressed more with the high traffic of the oil and use of dust suppressants.</p> <p>Mercer County is progressing with improvements to the Zap train loading access which includes bridge work.</p>
Golden Valley County	<p>Pete Wirtzfield, County Road Superintendent, had an extensive discussion about forest service approvals. Golden Valley county road work is being delayed by environmental approvals of plans across grasslands. Slope and Billings counties are having similar issues. It was suggested all North Dakota counties with grasslands should meet to discuss the issues and identify action items with the Forest Service to improve processes needed to complete work more timely and efficiently.</p> <p>Golden Valley County expressed interest in a new bridge crossing the Little Missouri River north of I90.</p>
Williams County	<p>Dennis Nelson was unavailable at the time of travel to Williams County. Dust control and the safety program information was provided. Williams County is planning an extensive program of roadway stabilization with the use of permazine. Williams County is purchasing a reclaimer and is in the process of hiring crew workers.</p>
Divide County	<p>Bryan Haugenoe, County Highway Superintendent, discussed equipment owned by the county. Divide County has recently acquired a watering truck. Prior to this time they were not able to effectively apply magnesium chloride for dust control. I suggested the need for compaction equipment. Compaction equipment should be considered with amount of oil traffic in Divide County.</p>
Mountrail County	<p>Cliff Mercer, Road Maintenance Supervisor share that Mountrail County is using a geotextile reinforcement fabric for stabilization of digouts in the county. Mountrail County has a standard of 30:1 at each end of the digout to the digout depth.</p> <p>Mountrail County is attempting to replace 2” of gravel on all county roads on an annual basis.</p>



	<p>Mountrail County primarily uses calcium chloride with a polymer additive for dust control.</p>
McKenzie County	<p>Greg Skurupey stated that being in the middle of the oil development has left transportation development and improvement a challenge. The current priorities for McKenzie County road crew is to prepare for dust abatement application and repair of soft areas in roadways.</p>
Dunn County	<p>Mike Zimmerman, County Highway Superintendent is attempting to grade each of Dunn counties gravel roads. The system that Mike is implementing is a report published by the Wyoming LTAP. The reflectometer that was purchased in Dunn County is working well. Dunn County uses Sign Pro for sign inventory and management.</p>

