State Planning and Research Program		
Quarterly Report		
PROJECT TITLE : Pavement Surface Characteristics Rehabilitation MnROAD Study. TPF 5 (134).		
FROJECT TITLE. Favement Surface Characteristics Renabilitation WillROAD Study. 1FF 3 (154).		
ODIECTIVES. To demonstrate and validate some lab tested unique dismand animing configurations that		
OBJECTIVES : To demonstrate and validate some lab-tested unique diamond grinding configurations that		
optimize noise, Friction, Texture and Ride Quality		
PERIOD COVERED: April 2008 to June 2008		
PARTICIPATING AGENCIES:		
Mn/DOT, TXDOT, FHWA ACPA/IGGA		
PROJECT MANAGER:	SP&R PROJECT NO:	PROJECT IS:
Bernard Izevbekhai	SPAR PROJECT NO:	PROJECT IS:
Bernaru izevoeknai	TDE 5 (124)	Diamaina
LEAD ACENCY	TPF-5 (134)	Planning X Research &
LEAD AGENCY:		
Mn/DOT		Development
PRINCIPAL INVESTIGATOR:		
W. James Wilde, PhD, P.E.		
ANNUAL BUDGET:	PROJECT EXPENDITURES TO DATE:	
	Non-Federal match.	
\$275,000 for 5 years	In-Kind Cost of Grinding and Noise testing on Cell 37	
	MnROAD. As a proof of Concept.	
	Full Width Grinding on Cells 7-8 MnROAD Mainline I-94	
	Mn/DOT Initial Testing, Mn/DOT Rodeo (June 2008)	
	Spring Noise texture, Ride friction Measurements	
	Consultant Appointed for data analysis and reporting	
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State Planning and Research Program Quarterly Report

WORK COMPLETED:

- ACPA / IGGA performed the Grinding of 3 configurations at MnROAD Cell 37 for a proof –of Concept and Preliminary On-Board -Sound –Intensity (OBSI) pre and post grind measurements on the 3 configurations + control. Mn/DOT performed Ride Friction, and Texture measurements on the same pre and post grind configurations.
- Memorandum of Understanding with Diamond Surface Incorporated to perform the Diamond Grinding Full width on cell 7 and 8 MnROAD.
- Measurements of Surface Characteristics parameters on the MnROAD Low volume Road
- Actual grinding of the Mainline cells 7 and 8 to the current and Innovative grinding configurations.
- Pre-grind Measurements for the MnROAD Mainline
- Grinding of Cells 7 and 8 full Width by Diamond Surfaces Inc.
- Initial Post Construction Ride texture friction Ride measurement by Mn/.DOT
- Draft Construction (Grinding Report for cells 7 and 8 Innovative Grinding & Conventional configurations)
- Development of Limited Scope of Consultant Activity
- Mn/DOT Initial Testing, Mn/DOT Rodeo (June 2008)
- Spring Testing Noise texture, Ride friction Measurements
- Consultant (Minnesota State University, Mankato) Appointed for Data Analysis and Reporting. Principal Investigator is W. James Wilde, PhD.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Late summer testing
- Consultants Construction and first year Report.
- Pooled Fund Meeting: Strategies for further testing and Initiatives

STATUS AND COMPLETION DATE:

- Next Meeting will be held in September
- Project is on schedule