

Transportation Pooled Fund Program

Project Title: Pavement Marking Life Cycle

Project Manager and Phone Number:

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Project No.

SPR-3(094)

Project is:

PLANNING

R&D

Reporting Period:

1/26/06 to 7/31/06

Multi Year Project

2002 to 2006

Description of Work Performed and Progress:

Study Objective

The study objective is to collect, compile and analyze retro-reflectivity data for four durable pavement marking materials on selected routes in nine states and to use that data to develop service life performance curves of retro-reflectivity vs. time for those same marking materials. The four pavement marking materials chosen for this study are thermoplastic, epoxy, tape and methyl methacrylate (MMA). The nine participating states are Alaska, Oregon, Idaho, Utah, Montana, North Dakota, South Dakota, Nebraska and Minnesota. Of these states Alaska, Oregon, Idaho, and Utah are collecting their own data. The contractor is collecting data in the remaining states. All data is to be forwarded by the states to the contractor for compilation, analysis and presentation.

Tasks

The seven tasks identified to be performed are:

1. Develop a preliminary Research Management Plan
2. Develop a preliminary Procedure Plan for the research effort by all data collection personnel.
3. Develop a recommendation for the number and location of the sites where data is to be collected in all nine states.
4. Collect pavement marking inventory and field data
5. Compile and analyze the pavement marking and field data
6. Prepare a draft final report
7. Prepare final report and document data

Progress

To date, tasks 1, 2, 3 and 4 are complete. Efforts are being made to get data from all states submitted to the contractor. The attached spreadsheet details each state's data collection and submission status. Task 5 has been subcontracted to Texas Transportation Institute (TTI). All data from all years will be collected before sending to TTI. TTI is ready to begin tasks 5, 6 and 7 as soon as they receive the data from the contractor.

The proposed schedule is:

Aug. 1, 2006 – all data should be submitted to the contractor. Those states still with outstanding data will work with the contractor and the lead state closely to get the data in as soon as possible.

Sept. 1, 2006 – all data will be reviewed, prepared and submitted by the contractor to TTI

Dec. 1, 2006 – TTI will have completed the draft final report and will present study results at a meeting that all will attend.

STATUS AND COMPLETION DATE

Percentage of work complete to date for total project:

Tasks 1-3 comprise 17% of the total contract amount and have been paid to the contractor. Task 4 is completed and has been invoiced for. Because of personnel and organizational changes at TTI the contractor has requested a contract time extension from 6/30/2006 to 3/31/2007 to allow for revisions to the draft final report and project close-out.

**SPR-3(094) Pavement Marking Life Cycle Pooled Fund Study Data Collection Status
1-Aug-06**

State	Collection Resp.	2002			2003			2004			2005		
		Collected?	BC has raw data?	BC has summary?	Collected?	BC has raw data?	BC has summary?	Collected?	BC has raw data?	BC has summary?	Collected?	BC has raw data?	BC has summary?
AK	AK	NO ³	NO	NO	YES	YES	YES	YES	YES	YES	NO ⁴	NO	NO
ID	OR	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
OR	OR	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
MN	MN	YES	YES	YES	YES	YES	YES	missing	NO	NO	missing	NO	NO
UT	UT	YES	NO ²	YES	NO ⁵	NO	NO	missing ⁶	NO	NO	missing ⁶	NO	NO
ND	BC	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SD	BC	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NE	BC	NO ¹	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
MT	BC	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

1-Planned routes were under construction in NE in 2002

2-BC thinks UT submitted but can't find. UT

3-AK had van problems in 2002

4-AK didn't collect in 2005 due to repainting of most routes due to deterioration

5-Due to original routes being covered up and van problems in 2003, no data was collected.

6 - Utah has data on other routes that will be submitted shortly.