State Planning and Research Program Quarterly Report

	Quarterly Report						
PROJECT TITLE : Understanding the Che Agents on Porous or Permeable Pavements	emical and Mechanical Perfor	mance of Snow and Ice Control					
OBJECTIVES : The objectives of this rese interactions that occur when deicers are app winter storm to determine optimal winter m pavements	lied to textured or porous pav	ements before, during and after a					
PERIOD COVERED: July 1, 2017 – Sept	ember 30, 2017						
PARTICIPATING AGENCIES: Western Transportation Institute, Montana S	State University – Bozeman						
PROJECT MANAGER:	SP&R PROJECT NO:	PROJECT IS:					
Tom Peters and Deborah Sinclair LEAD AGENCY: Minnesota Department of Transportation	MnDOT Contract No. 99006; WO 2	Planning X Research & Development					
PRINCIPAL INVESTIGATOR : Michelle Akin	Federal Project No. TPF-5(218)						
PROJECT BUDGET : \$185,000	PROJECT EXPENDITURES TO DATE: \$184,681						
 WORK COMPLETED: Task 1 – Project Management general management of project in tertasks, and communication with techn teleconference with panel on July 24 Task 2 – Literature Search - COMPLETE Task 3 – List and Categorize Pavement at Task 4 – Interviews - COMPLETE Task 5 – Lab Testing - COMPLETE Task 6 – Analyze Chemical and Mechanic revised White Paper based on comm Task 7 – Synthesize Best Maintenance Pr nearly completed synthesis, will be started designing field testing recom Task 9 – Reporting submitted Quarterly Report #18 	nical panel to discuss Task 6 deliverable and Overlay Types - <i>COMPL</i> cal Interactions nents received during teleconfe actices submitted in October o progress during this period	ETE erence – not resubmitted					

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

Task 1 – Project Management

- general management of project in terms of contractual compliance, budget and schedule, administrative tasks, and communication with technical panel
- teleconference with technical panel in July or August to discuss Task 6 (and possibly Task 7) draft reports
- Task 2 Literature Search completed

Task 3 – List and Categorize Pavement and Overlay Types - completed

- Task 4 Interviews completed
- Task 5 Lab Testing completed
- Task 6 Analyze Chemical and Mechanical Interactions
 - submit revised *White Paper*

Task 7 – Synthesize Best Maintenance Practices

• submit draft of Synthesis of Best Practices

Task 8 – Recommend a Plan of Study

• submit Field Testing Recommendations

Task 9 – Reporting

- write Quarterly Report #20
- finish Draft Final Report

STATUS:

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1 – Project Management														
2 – Literature Search														
3 - List and Categorize Pavement and Overlay Types														
4 – Interviews														
5 – Lab Testing														
6 - Analyze Chemical & Mechanical Interactions							*							
7 - Synthesize Best Management Practices						5 5		5						
8 – Recommend a Plan of Study														
9 – Reporting										1				
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Deliverable	Draft	Due	Final 1	Due										-
Literature Search Submittal	comp	eted												_
Categorized List of Porous/Permeable Pavements	comp	eted												_
Synthesis of Interview Results	compl	eted												_
White Paper on Chemical and Mechanical Interaction	n 31-Ma	ay-17	31-Jul	l-17										_
Synthesis of Best Practices	30-Ju	n-17	31-Au	ıg-17										_
Field Testing Recommendations	31-Ju	-17	30-Se	p-17										_
Final Report	31-00	+ 17	31-De	no 17										