RESEARCH REPORT DOCUMENTATION PAGE

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Practice of Unsealed Joints in New Portland Cement Concrete Pavements			Click on link to open report		
			Work Plan	8. Project No.	
				9. Project No.	
			Construction		
			Evaluation	10. Project No.	
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OTHER*					
*see supplementary notes					
44 Cunshmenter Notes					
14. Supplementary Notes					
15. Abstract					
<u>Objective</u>					
The objective of this study is to determine if joint sealants are necessary for the performance and longevity of the					
pavement structure.					
Scope				the same that the	
NDDOT will evaluate the ur	•	tions every other y	ear for approximately 10	years. Items that will be	
monitored and evaluated are:					
Distress at the joints.					
➢ Ride.					
The amount of non-compressible material in the joints.					
If the incompressible material is being filtered through the joint into the drainage system.					
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Summary					
From the results of the test sections we would not recommend unsealed longitudinal and transverse joints. Visual					
	observations showed a higher percentage of spalling in the sealed test section with some spall repair conducted to				
address the worst areas. The department has recently decided to install fewer drainable base sections which would					
increase the value of the sealed joints. The sealed joints would reduce the amount of water intrusion into the pavement					
and base section.					
and base section.					
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