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14. Supplementary Notes			
15. Abstract <u>Purpose and Need</u> The North Dakota DOT has revised the design manual to include grooved epoxy pavement markings. The addition of a groove allows the department to explore the use of high-performance optics. High-performance optics can provide additional dry-retroreflectivity when used in addition to AASHTO Type I beads. In addition, some high-performance optics can provide wet-retroreflectivity. <u>Objective</u> The objective of this experimental project is to evaluate the performance of two different high-performance optics: 3M All Weather Elements and Potters Visibeads. <u>Summary</u> The initial data shows that the two pavement markings perform similarly. In the first year, the 3M markings have higher wet-reflective properties, but by year 2, both marking types have very little wet-reflective properties left. By year 3, both the wet-reflective and dry-reflective properties had diminished, and the physical striping presence had deteriorated to a point where restriping was necessary.			
16. Key Words Pavement Marking, conglomerate optics, wet-reflective, dry-reflective	17. Distribution Statement No restrictions. This document is available electronically by clicking this link. North Dakota Department of Transportation Materials and Research Division: 300 Airport Road Bismarck ND 58504-6005 Office: (701) 328-6900 Fax: (701) 328-0310		18. No. of Pages 10 19. File type/Size PDF / 3.10 MB