Project Title: Effectiveness of Cape Seal Pavement Preservation Technique in Northern Nevada

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Abstract:
The Nevada Department of Transportation (NDOT) has been aggressive in its pursuit of the most cost-effective pavement preservation treatments and techniques for maintaining its roads. Among the various surface treatment methods, the method of combining a chip seal with a cape seal has been used extensively by NDOT as well as other local agencies and counties. The main objectives of this research project are to evaluate the performance and cost-effectiveness of cape seal treatments in northern Nevada. In order to achieve these objectives, the following activities will be pursued during the course of this study: (1) analysis of the Washoe County pavement management system data to assess the field performance of the cape seals; (2) visit field sites and visually inspect the existing pavements; conduct laboratory testing as needed on field samples, and (3) evaluate the field performance and cost/benefits ratio of cape seals in northern Nevada.