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11. Author(s)/Principle Investigator(s) Kyle Evert			
12. Performing Organization Name and Address NDDOT M+R <input checked="" type="checkbox"/> North Dakota DOT NDDOT OTHER* <input type="checkbox"/> Materials and Research Division NDSU <input type="checkbox"/> 300 Airport Road UND <input type="checkbox"/> Bismarck ND 58504-6005 UGPTI <input type="checkbox"/> OTHER* <input type="checkbox"/> *see supplementary notes		13. Sponsoring Agency Name and Address North Dakota DOT Materials and Research Division 300 Airport Road Bismarck ND 58504-6005	
14. Supplementary Notes			
15. Abstract Objective The objective of this research project is to evaluate performance of Class 27, 29, 33 aggregates and an experimental mix when used on high volume roads. Scope The North Dakota Department of Transportation (NDDOT) will construct test sections comprised of several different classes of HBP. These test sections will be used to evaluate the performance of different HBP under heavy loads. Summary With the evaluation of this research project there was no significant difference in the performance of the different sections, except for the rut. Chart 1 displays the rut data from RIMS that has occurred since the pavement was overlaid in 1997. This chart displays how the rut decreases as the class of aggregate increases. The RIDE, IRI, Distress, and PRPI scores have not changed much during the 5 year period of the evaluation. Most of the PRPI scores remain in the GOOD category. With the accumulated ESALs uniform throughout the project, the differences in the section properties reveal, for the evaluation period, that the lower class aggregate experienced more rutting than the higher classes of aggregate. Based on the abbreviated evaluation period the control section with Class 33 and experimental mix in section 3 performed better than the other classes of aggregate. With only 5 years of evaluation the performance of the asphalt after 20 years can not be predicted. The research project was ended since that section of roadway was scheduled for a HBP overlay.			
16. Key Words Bituminous Overlay Pavement Concrete	17. Distribution Statement No restrictions. This document is available by request from: North Dakota Department of Transportation Materials and Research Division: 300 Airport Road Bismarck ND 58504-6005 Office: (701) 328-6900		18. No. of Pages 30 pages 19. File type/Size PDF/ 0.8 mb