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Supplementary Notes			
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Abstract			
<p>The quality of aggregates used in concrete bridge construction can significantly reduce the service life of the structure. Aggregate quality is assessed by several methods, including Petrographic Analysis. A supplementary index of an aggregate's quality is the Petrographic Number (PN), a numeric value calculated on the basis of the quality of various quality aggregate material present in an aggregate sample. This PN is used by the department as a partial basis for acceptance of a concrete coarse aggregate. However, currently testing methods to derive PN's have resulted in inconsistent results.</p> <p>A review of current procedures employed in doing the Petrographic Analysis was initiated to attempt to resolve the inconsistencies, and to improve the application and use of the PN as a basis for judging a coarse aggregate's quality for use in bridge projects. This report describes the review process and the supplementary work by local engineering consultants (AGRA Earth & Environmental Limited and EBA Engineering Consultants Ltd.) and the Alberta Research Council.</p> <p>This review resulted in changes to the petrographic test methods and revision to the department's bridge concrete specification. These changes should be monitored to ensure that variances with</p>			