Update to
Management's
Response to
Auditor General's
Report

Impact of Changes to Road Design





Introduction

- Council Strategic Priorities
- Significant Investment in Roads
- Infrastructure Department responsible for protecting Roads Investments



Background

- Auditor General Report on Impact of Changes to Road Design
- Staff Implemented Recommendations
- Staff have and will continue to deliver value while making positive changes



"The Infrastructure Services Department subscribes to the theory of continuous quality improvement."



Continuous Quality Improvement

- Application of a tack coat between the layers of asphalt pavement.
- The introduction of Cold In-Place Recycled Expanded Asphalt (CIREAM) as an alternative method to rehabilitating existing asphalt.
- For watermains, the introduction of a protective wrap on metallic fittings to prevent deterioration of the metal components.



Continuous Quality Improvement

 The Auditor General made 13 recommendations; seven recommendations have been completed; and the remaining six recommendations will be completed by the Spring of 2013 or shortly thereafter.



Continuous Quality Improvement

- A few of the major recommendations are:
 - Improved testing and reporting procedures on asphalt testing.
 - Examining alternative use for grindings if cost effective.

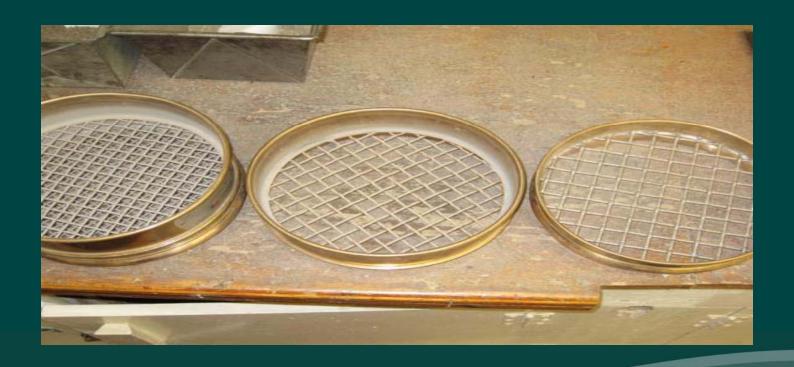


"Staff have always incorporated a multiple barrier approach for inspection and testing in accordance with industry guides and standards."











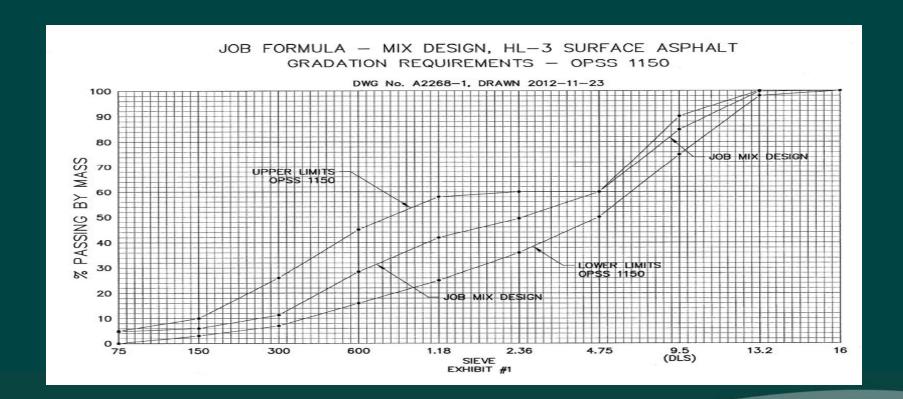




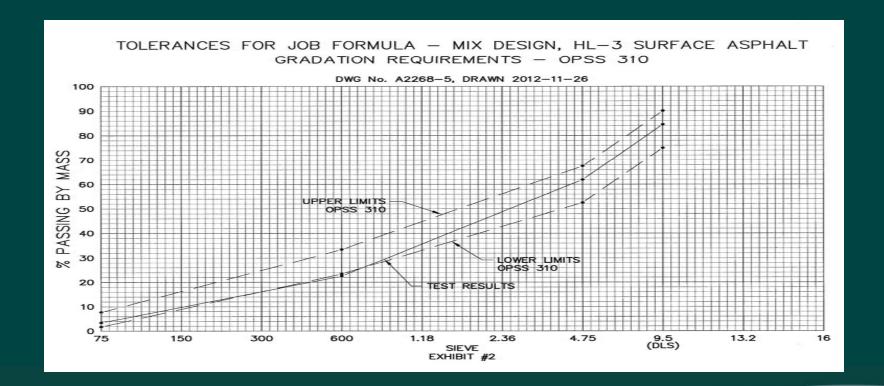
SIEVE	WEIGHT	% RET.	% PASS	SPEC.
26.5				
19.0				
16.0				100
13.2	32.0	1.5	98.5	98-100
9.5	340.1	15.5	84.5	75-90
4.75	834.3	38.1	61.9	52.5-67.5
2.36	1067.5	48.7	51.3	36-60
1.18	1325.8	60.5	39.5	25-58
600	1697.6	77.5	22.5	23.4-33.4
300	1916.4	87.5	12.5	7-26
150	2035.1	92.9	7.1	3-10
75	2116.2	96.6	3.4	1.7-7.7
PAN	2191.0			
AC	5.67			4.7-5.7

out of spec 0.9 %











"Inspection and Testing procedures performed by Staff ensured the City received value for money spent on road projects."



Inspection and Testing





Inspection and Testing





Inspection and Testing

 We are confident that testing procedures performed to date have adequately protected the City's interests and valuable investment in our infrastructure system.



"Innovation in road building technologies has and will continue to be a priority for staff to perform more road work with limited tax dollars."



Innovation Technologies





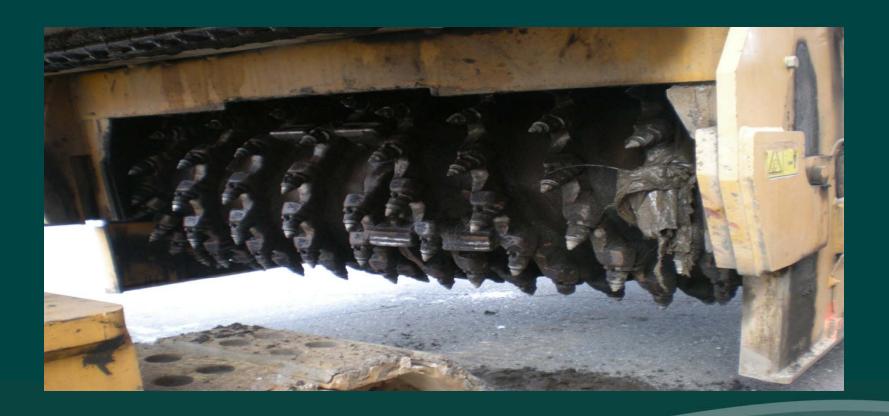
Innovations Technologies

 CIREAM is approximately 30% of the cost for the equivalent virgin hot mix asphalt.



"Limited opportunities exist for obtaining the full value of grindings, and staff will endeavour to identify the best end use through the competitive tendering process."

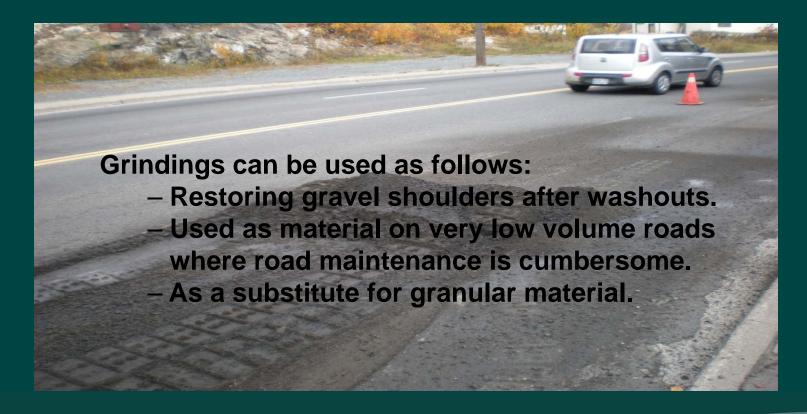














To be of value, grindings must be reused in close proximity to the location of the extraction.



Summary

- Staff will continue to improve delivery;
- Staff have provided value in our road investments;
- Staff believe that an audit can add value to the road program.

