



June 29, 2021

Reference No.11230442-01

WSP Canada Inc.  
294 Rink Street, Suite 103  
Peterborough, ON  
K9J 2K2

Attention: Mr. Stephen Clark, M.Sc., P.Eng.

**Re: Concrete Core Investigation**  
**15M-00675-03 Boundary Road Bridge, Trent Severn Waterway – Upstream of Lock 37**

Summary of Concrete Core Test Results				
<b>Core Data</b>	<b>Client Core No.</b>	Core 1	Core 2	Core 3
	<b>GHD Core No.</b>	CST-21-264	CST-21-265	CST-21-266
	<b>Photo:</b>	Photo 1A & B	Photo 2A & B	Photo 3A & B
	<b>Core Location</b>	Close to Center of Pier	About Halfway to Ring of Anchor Studs on Alignment of Bridge	Just Inside the Anchor Stud Ring
	<b>Depth of Core</b>	20.25" to 28"	17.5" to 24.5"	0.5" to 7.75"
	<b>Compressive Strength of Concrete Cores</b>			
	Corrected Strength (MPa)	18.5	19.2	13.7
Length / Diameter Ratio	1.98	1.90	1.81	
<b>Remarks</b>	Testing Information: Compressive Strength Testing of Concrete Cores as per LS-410 / CSA A23.2-14C. A correction factor was applied to cores with a L/D Ratio of <2 as per LS-410 / CSA A23.2-14C. Depths from surface of core.			

Joe Sullivan, Laboratory Supervisor



Photo 1A - Core No. 1 Pre-Compression



Photo 1B – Core No. 1 Post Compression



## Photographs

Client Project No.: 15M-00675-03  
Structure: Boundary Road Bridge – Trent Severn Waterway  
Upstream of Lock 37  
Date of Test: June 28, 2021  
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Photo 2A – Core No. 2 Pre-Compression

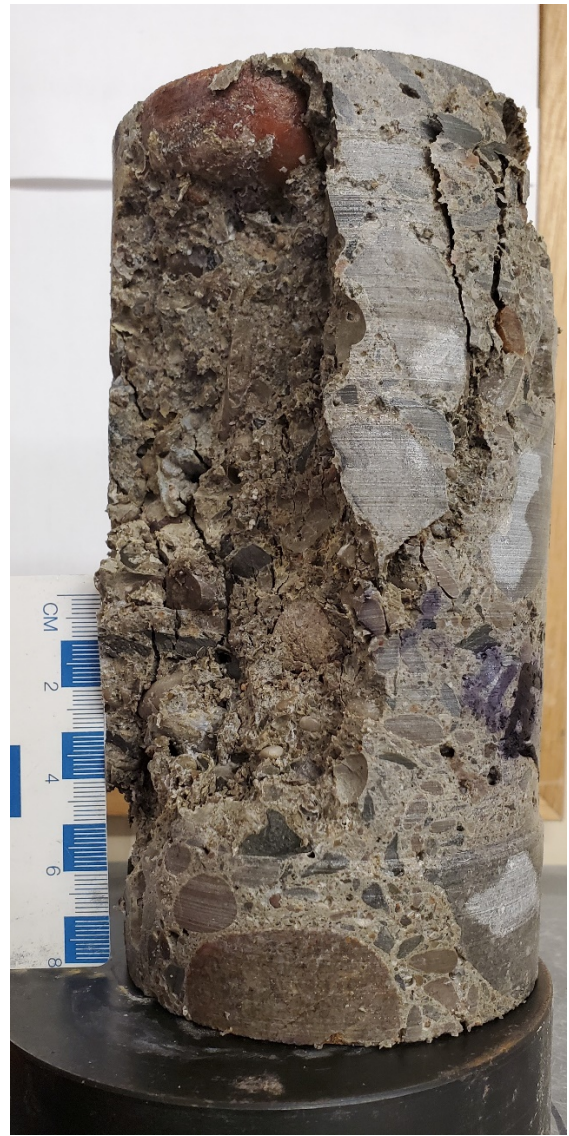


Photo 2B – Core No. 2 Post Compression



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Photo 3A – Core No. 3 Pre-Compression



Photo 3B – Core No. 3 Post Compression



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