APPENDIX G

STRUCTURAL EVALUATION OF MAIN CULVERT



The Regional Municipality of Halton

Class Environmental Assessment Study for Ninth Line

				_				
Structure Name	Ninth Line, Lot 3, Conc IX/X							
ID Number	13-1159210 CU01							
Classification	Bridge	Culvert	✓ Structure	unicipal				
Location	1.00 km North	of Steeles Avenue						
Load Posting	No Posting		Span Lengths	3	3.02 m			
			Board Order / Agreen	nent				
Structure Type	RF							
Yr Constructed	1960							
Yr Rehabilitated	N/A							
Inspection Date	22-May-14		Current AADT	1	0210			
Previous Inpsection	09-Oct-12		Date AADT					
Next Inspection			Projected AAD	Т				
Effects of Deterioration								
along the centre of the rithrough the cold joints of the culvert abutment was spalling on the bridge deconcrete disintegration of exposed up to 500mm a	oadway. The about the about the about the list and deck soffeck soffit at the soff the east end out the southeast of	utment walls are general wall and efflorescent state. There are areas of life outheast corner. There if the south abutment we corner due to scour and	ructure. The ashpalt road ally in fair condtion. The caining. There are areas or ight to medium scalling or is scaling on the fascia of all. The footings are exported in the fascian. There is rip-rapirectly over the east outle	deck soff of light ho in the culv of the outlosed near o placed	it is good con neycombing/s vert abutment lets of the stru r the east end	dition. The segregation walls. The acture. The of the structure.	re is leakage throughrout re is light ere is severe cture and are	
Recommendation								
We recommend complete structure or replace the structure.		on/replacement analysi	s to determine if it is more	e econon	nical to rehab	ilitated the e	existing	
Recommended Rehabil	itation							
			RRA - Rehabilita	tion Repl	acement Ana	lysis Replac	cement	
Priority Rating		NOW	Implementation Rankii	ng	Medium			
Estimated Total Cost		\$5,000.00	General Overall Condi	ition	Fair	BCI:	65	

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Structure Na	ıme	Ninth Line, Lot 3, Conc IX/X										
ID Number		13-1159210 CU01										
Classification	n	Bridge	✓	Culvert	✓ Structure	Municipal						
Location		1.00 km North of Steeles Avenue										
Recommended Rehabilitation												
					DDA	- Rehabilitation Replacement Analysis						
					INIVA	- Neriabilitation Nepiacement Arialysis						
Engineering	a Cost											
		on/Replacement A	nalve	eie	\$5,000.00							
Kei	iaviillalli	on/Neplacement A	waiys	515								
					\$0.00							

\$5,000.00

\$0.00 \$0.00 \$0.00 \$0.00 \$0.00

\$0.00

\$5,000.00

Sub Total

Sub Total

Total

Construction Cost

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Photograph No. 1: 8633: Roadway over structure looking North



Photograph No. 2: 8638: West Elevation

The Regional Municipality of Halton Class Environmental Assessment Study for Ninth Line

Ninth Line, Lot 3, Conc IX/X 13-1159210 CU01



Photograph No. 3: 8665: North abutment wall looking west



Photograph No. 4: 8662: Deck soffit at Southeast corner of structure