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STUDY							
	Environmental Assessment Key Study Activities						
	Identify Study Area Features, Opportunities & Constraints						
	Develop Initial Set of Crossing Alternatives, Plaza Locations & Connecting Routes in Canada and the U.S.						
	Define Area of Continued Analysis						
	Present Specific Crossing, Plaza and Access Road Options \checkmark						
	Complete Social, Economic, Environmental and Engineering Assessments						
	Identify Preferred Crossing Location, Plaza Locations & Connecting Routes in Canada and the U.S.						
	Finalize Engineering and Mitigation Measures						
	Document Study and Submit for Approvals						
Canadă 💫	Product reference V Ontario Contario Contario 27	URS					







Detroit River	Ambient Air Monitoring
POLLUTANTS BEING MEASURED	
 Measuring selected air pollutants from transportation sources 	
-Nitrogen Oxides (total NOx, NO, NO ₂)	
-Fine particulate matter (PM _{2.5})	
Selected air toxics:	
•Benzene	
•Acrolein *	
 Formaldehyde * 	
 Acetaldehyde * 	
•Meteorology	
 Wind speed and direction 	
•Temperature	
Relative Humidity	
* Provides the smell of diesel exhaust	
Canada 🔕 Revent History 🐨 Ontario Contario 31	URS







	Ambient Air Monitoring						
	M 0007						
NO _x Observations - October 2006 to March 2007							
 Measured NO_x concentrations are within Hourly ranged from 0 – 345 ppb Daily ranged from 1 – 149 ppb 	the expected range						
 Infrequent exceedances of the 1-hour or 2 for NO_x (200 ppb and 100 ppb respective 	24-hour MOE Ambient Air Quality Criteria (AAQC) y)						
 Concentrations at both stations are slightl MOE monitoring stations. 	y elevated in comparison to historical trends at						
 NO_x concentrations were generally eleval periods 	ed during the morning and afternoon rush hour						
 Measured concentrations are slightly high but generally similar 	er at the OPHL site in comparison to the SCC site,						
Canada 🖉 redenal Highway 🐨 Ontario 🍘 MDOT	35 URS						

Ambient Air Monitoring									
VOC Observations – October 2006 to March 2007									
	Pollutant	Monitoring Station	Minimum Concentration	Maximum Concentration	Average Concentration	MOE AAQC			
ľ	Formaldehyde	OPHL SCC	1.0 0.8	5.0 5.7	2.2 2.4	65			
	Acetaldehyde	OPHL SCC	0.3 0.4	2.4 2.5	<u>1</u> 1.1	500			
ľ	Acrolein	OPHL SCC	0.1 0.1	2.7 1.5	0.4	9.6*			
ľ	Benzene	OPHL SCC	0.3 0.3	1.8 3.1	0.6 0.6	NS			
* converted to 24-hour from former 1-hour AAQC									
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