





		Key N	lilestone
Consultation activities will generally be tied to the following	key milestones	5:	
Study Area Features, Opportunities & Constraints	April '05	Initial Public Outreach	
Initial Set of Crossing Alternatives, Plaza Locations & Connecting Routes in Canada and the U.S.	June '05	PIOH1	We are here
Final Set of Alternatives	December '05	PIOH2	
Results of Social, Economic, Environmental and Engineering Assessments	Winter '06	PIOH3	
Preferred Crossing Location, Plaza Locations & Connecting Routes in Canada and the U.S.	Spring '07	PIOH4	
Finalize Engineering and Mitigation Measures	Summer '07	PIOH5	
Document Study and Submit for Approvals	End of '07	Public Review	
In addition, other consultation activities will be held through contact list or visit the project website to learn more about u	out the project. pcoming activit	Join the project ies.	
			URS

Detroit River

Initial Public Outreach Summary

- using existing transportation corridors (e.g. road, rail) and infrastructure

URS

- a tunnel (includes tunnel options with air quality control)

- other modes, including rail and truck ferries

IPOs were held March 5 in Windsor, and March 6 in LaSalle. There were a total of 179 sign-ins; 127 comment sheets were received.

Most Frequent Comments:

Consider:

- Concerned with potential impacts:
 - to Ojibway Area, including Spring Garden Life ANSI and
 - Black Oak Prairie Heritage Park
 - to natural features of area, including wildlife - to residential areas and effect on property value
 - on human health, including air quality
 - related to options in the Schwartz Report
 - related indirectly to improvements (e.g. noise, vibration, quality of life)

IPO Comment Sheet Question #2:

The Project Team has identified guiding principles to be used in generating and developing new or expanded crossing alternatives and connections to existing highways, which are listed below. On a scale of 1 to 5, how would you rate the importance of each of these principles?

		Very Important			Not Important		
Question 2 Principles	Resp.	1	2	3	4	5	Avg.
Develop alternatives that are efficient/direct	95	56	17	16	4	2	1.7
Utilize existing infrastructure and/or transportation corridors	101	56	14	15	8	8	2.0
Seek areas of land uses that are compatible with transportation corridors	93	56	18	13	3	3	1.7
Minimize/avoid impacts to significant study area features	99	86	8	2	1	2	1.2
Attendees generally considered each of these guiding principles to be of high importance; this input will be considered by the Project Team in the development of Illustrative and Practical Alternatives.							

Canada 🖉 Kanada 🌚 Ontario 🍘 Ontario











(Detroit River	Windsor-Detroit: Future Capacity Needs					
-	PROJECT						
	The current border crossings and associated connections are nearing capacity. Within 10 to 15 years, the border crossings in Windsor and Detroit will likely suffer from poor operations and unreliable crossing times. Due to the significance of this border crossing to the national, provincial/state and local economies, governments must take all reasonable steps to provide for the continuous flow of people and goods at this important border crossing.						
		Year Capacity Reached					
	Crossing	US Road Access	US Border Processing	Bridge / Tunnel	CAN Border Processing	CAN Road Access	
	Ambassador Bridge	> 30 years	5 to 10 years	10 to 15 years	5 to 10 years	5 to 10 years	
	Detroit-Windsor Tunnel	0 to 5 years	5 to 10 years	30 years*	5 to 10 years	5 to 10 years	
	* If no improvements are made at the Detroit River there would be some diversion of car traffic from the Ambassador Bridge to the Detroit-Windsor Tunnel. Diversion of car traffic may move the timeframe that capacity is reached to between 25 and 30 years. Physical restrictions of the tunnel limit diversion of most types of trucks to the Detroit-Windsor Tunnel.						
Canada O Totario Only							

Detroit Riv	Se Se	ensitivity Ar	nalyses: What if '
In ligh scena	nt of the uncertainties inherent in trade and tr arios to determine whether another crossing	affic forecasting, the Pro	oject Team tested a number of What If? eframe of this study (i.e. within 30 years):
22	Scenario	Year Capacity Reached	
Base	e Forecast	10 to 15 yrs	
Sens	sitivity Analyses:		
Hiç	gh Trade Growth	Advance 3 yrs	
Lo	w Trade Growth	Defer 4 yrs	
Div	version to Intermodal Rail	Defer 2 yrs	
Hig	gh Diversion to St. Clair River Crossing	Defer 6 yrs	
Hiç	gh Passenger Car Demand	Advance 3 yrs	
Lo	w Passenger Car Demand	Defer 3 yrs	Under the most pessimistic of
Co	mbined 95 th Percentile High Scenario ¹	Advance 7 yrs	scenarios, additional crossing capacity is needed by 2035 to
Co	mbined 95 th Percentile Low Scenario ²	Defer 11 yrs	meet increased travel demand
¹ Combine ² Combine and Low	es the optimistic scenarios, consisting of High Trade Growth and High Passe s the pessimistic scenarios, consisting of Low Trade Growth, Diversion to Io Passenger Car Demand Forecast Scenarios (95 th percentile).	enger Car Demand Forecast Scenarios (termodal Rail, High Diversion to St. Clai	95 th percentile). 7 River crossing
anadä 🕴			Preliminary For Discussion Purposes Only













Detroit River		Alter	rnative Inspe	ction Plaza Sites
PROJECT				
 In addition were devel Service Ag 	to the overall guidin oped for generating ency and the U.S. I	g principles for general alternative inspection Department of Homela	ating illustrative alternatives, plaza sites through discuss nd Security Customs Border	specific design guidelines ions with the Canadian Border r Protection Branch.
Site A aroun Project	Area: The potential d drives and installa ct, a plaza area of 3	site must provide abilit ation of equipment sys 0 to 40 ha (80 to 100 a	ty to expand; adequate spac tems prior to and after inspe acres) is required;	e for traffic queues, turn- ection points. For the DRIC
Adjac comm surrou adjac	cent Land Use: The nunity uses; sites sh unding areas and ap ent land uses such	e site should be locate ould generally not be oproaches; consider un as chemical plants and	d away from residential area viewable from neighbouring ndeveloped or lightly develo d fuel depots;	as, schools and other lands; good visibility to ped lands; avoid hazardous
 As well, the 	e following factors w	vere considered in dev	eloping alternative inspectio	n plaza sites:
Utility Ar Existing and Rigi Security	ccess · En Easements · His It-of-Ways Iss · Pro	vironmental Issues storic & Archaeology ues oximity to border	Existing Structures Temporary Facilities Site Topography	Water Availability Emergency Services and Access
Canada 🖉 🛤	🗑 Ontario 🔌	IDOT		URS

















Detroi	t River		Proposed Evaluation	Method
PAU				
Ir	n condu	cting the evaluation, the team	n will consider:	
	Na	tional and international signifi	cance of the crossing	444
-	lss	ues and concerns identified of	luring consultation	The second
-	Go	vernment legislation, policies	and guidelines	-
-	Mu	inicipal policies (e.g. Official F	Plans)	53 P -
-				
- F	Reason	ed Argument Method	Arithmetic Method	
	 Consider each alt 	ers advantages and disadvantages of ernative	Assigns a numeric weight to each factor	pr
	 Compar 	es relative significance of impacts	Compares weighted scores	
24				
Canada	Pederal Highway Administration	🗑 Ontario 🏾 🕅 MDOT		URS

Evaluation Criteria

FACTOR	CRITERIA
Socio-Economic Envi	ronment
Property and	1) Impacts to residential areas (i.e. property, access impacts)
Access	2) Impacts to commercial/industrial areas (i.e. property, access impacts)
	3) Impacts to agricultural operations
Community Effects	4) Nuisance impacts (e.g. noise, lighting)
-	5) Impacts to cemeteries, schools, places of worship, unique community features
	6) Effects on community activity / mobility
	7) Effects on aesthetics / community character
Governmental Land	8) Compatibility with government goals / objectives / policies
Use Strategies	9) Effects on approved private development proposals
Cultural Environment	
Archaeology	10) Impacts to historic/archaeological sites
Heritage and	11) Impacts to built heritage features and cultural landscape units
Recreation	12) Impacts to National, State/Provincial and local parks/recreation sites
Natural Environment	
Groundwater	13) Impacts to groundwater recharge and discharge areas, as well as identified wellhead and
Groundmater	source protection areas and areas susceptible to groundwater contamination
Aquatic Habitat,	14) Impacts to critical fish habitat features (spawning, rearing, nursery, important feeding areas)
Fisheries, and	15) Number of watercourse crossings required
Surface water	16) Impacts to water bodies, including channel realignments and fill
Agricultural	17) Impacts to prime agricultural areas
Wetlands	18) Impacts to Provincially Significant Wetlands and wetland function
	19) Impacts to evaluated and unevaluated wetlands
Wildlife	20) Effects on species at risk / endangered species (vegetation, fish and wildlife)
	21) Effects on ecologically functional areas such as connective corridors or travel ways
Special Areas	22) Impacts to important wildlife areas such as deeryards, heronries, waterfowl areas, important bird areas (IBA). Other areas to be considered are any identified wildlife management, rehabilitation and under the areas site.
	and research program sites.
	Areas of Natural and Scientific Interest (ANSIs) or other areas of provincial, regional or local
	significance and the functions of these features
	24) Impacts to special spaces including the Detroit River, Conservation Authority Lands and NEPA
Air Quality	25) Effects on constitue recenters to air quality
All Quality	26) Air pollutants and GHG emissions
Woodlands	 27) Impacts to significant forest stands and woodlots (including interior forest habitat)
Pasourcas	28) Impacts to mineral, netroleum and mineral angrenate resources
Proporty Waste &	20) Effect on operating and closed waste disposal sites
Contamination	30) Impacts to other known contaminated sites
Technical Considerat	ions
Transportation	31) Transportation Operations
	32) Continuous/ongoing river crossing capacity (i.e. redundancy)
	33) Operational Considerations of Crossing System (River Crossing and Plaza)
	34) Network Compatibility
	35) Border Processing
Engineering	36) Constructability Issues
Cost	37) Cost



Detroit River













