

**Detroit River International Crossing Study
Evaluation of Practical Alternatives
Supporting Data - Crossings Only**

DRAFT
FOR DISCUSSION PURPOSES ONLY
02-02-06

Evaluation Factor	Performance Measure Category	Description/Units	Plaza		10A		10B		11	
			X10	X11			(Opt 1/1A)	(Opt 2/2A)		
Traffic Impacts	Streets Closed (permanently)	Number	5	1	0	0	0	0	2	2
	Streets Closed (temporarily)	Number	1	1	1	1	1	1	1	2
	Streets Crossed	Number	1	1	2	2	2	2	1	4
	Streets Rerouted	Number	0	0	0	0	0	0	0	0
	Streets with Interchange	Number	NA	NA	NA	NA	NA	NA	NA	NA
	Railines Crossed	Number	1	0	0	0	0	0	0	0
	Frontline Exposure	Number of dwelling units exposed	4	20	0	0	0	0	0	0
	Significant Receptors' Exposures	Number/Specify	0	0	0	0	0	0	0	0
	Community Cohesion/ Character	Positive/Negative/Neutral		Neutral	Negative	Neutral ⁶	Neutral ⁶	Neutral ⁶	Neutral ⁶	Neutral ⁶
	Residential Units	Occupied	12	0	0	0	0	0	0	15
Potential Acquisition	Vacant		2	0	0	0	0	0	0	
	Residential Population	Number	25	0	0	0	0	0	35	
	Business Units	Active	5	3	3	2	0	0	0	
	Vacant		3	0	0	0	0	0	0	
	Estimated Employees in affected Census Blocks ²	Number	206	151	151	100	0	0	0	
	Schools		0	0	0	0	0	0	0	
	Senior Service Facilities		0	0	0	0	0	0	0	
	City/Government Facilities		0	0	0	0	0	0	0	
	Places of Worship		0	0	0	0	0	0	0	
	Other Land Uses Affected	Medical Facilities	0	0	0	0	0	0	0	
	State/Federal Government Facilities	0	0	0	0	0	0	0		
	Community Services	0	0	0	0	0	0	0		
	Vacant	0	0	0	0	0	0	0		
Protect Community / Neighborhood Characteristics	Environmental Justice / Title VI	EJ Population (non poverty)	0	0	490	490	0	0	817	
		EJ Populations in affected Census Block Groups	Population Groups Affected	None	None	African American, American Indian, Hispanic	African American, American Indian, Hispanic	None	American Indian, Hispanic	
		% Households in Poverty / Above or Below 8.9% Regional Threshold	0%/below	0%/below	36.2%/Above	36.2%/Above	None	37.5%/Above		
		Households in poverty	0	0	76	76	0	138		
		Title VI Groups in Census Tracts	Presence of Regionally Prominent Ancestral Groups	None	None	None	None	None	None	
Public Safety/ Security (Plaza Only)	Proximity to Industry ³	Number of heavy industry businesses w/ 1/2 mile	3	4	3	3	3	3		
		Number of medium industry businesses w/ 1/2 mile	1	2	1	1	2	4		
		Number of light industry/office businesses w/ 1000ft/300m	0	0	0	0	0	3		
	Proximity to Residential / Retail	Number of residences w/ 500ft/150m	12	0	16	13	0	25		
		Number of businesses w/ 500ft/150m	5	3	4	4	1	5		
	Proximity to Hazardous Materials	Number of EPA/DEQ Hazmat TSD Facilities w/ 500ft/150m	0	0	0	0	0	0		
		Distance to nearest fire station (mi)	0.81	0.74	0.14	0.14	0.4	0.4		
		Distance to nearest police station (mi)	1.7	0.5	1.4	1.4	0.4	0.4		
Emergency Response	Number of streets closed (perm.)	5	1	0	0	0	2			
	Number of streets closed (during const.)	1	1	1	1	1	2			
	Maritime Railines Rerouted	0	0	0	0	0	0			

Notes:
1. Crossing 11 (Opt 2/2A) -Harvey St & Reeder St.
2. Sensitive noise receptors are historic sites, medical facilities, parks, places of worship, schools, within fifty meters of an alignment, plaza, or crossing.
3. Employee estimates provided by Tetrad Computer Applications and are based on employees per Census Block Group - proportionately disaggregated to the block level for blocks within or partially within plaza boundaries. Plazas have been field surveyed to determine occupancy status of businesses.
4. The poverty threshold for the SEMCOG region is 8.9%. Block groups with percentage of households living in poverty above 9.9% qualify as environmental justice communities.
PFO Receptors: Southwestern High School, Apt. Bldg #, Campbell and Fischer Service Dr., Ft. Wayne, Unemployment Office
5. Opt. 10A & 10B (H) Zug Island, Lafarge, Detroit Thomas Edison (M) Yellow Trucking Opt.11 (1/1a) (H) Mistersky Power Station, Port of Detroit, Detroit Edison (M) OJ Logistics, Bridgewater Interiors Opt. 11 (2/2A/5) (H) Mistersky Power Plant, Port of Detroit, Detroit Edison (M) OJ Logistics, Bridgewater Interiors, Hasco Steel, Packing Materials Company
X10: (H) Zug Island, Detroit Edison, Lafarge (M) Yellow Trucking X11: (H) Mistersky Power Station, Detroit Edison, Port of Detroit (M) OJ Logistics, Bridgewater Interiors
6. Community Cohesion could/will be improved as a result of the master planning for the area relating to the urban fabric and how the crossing system fits with that fabric.

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	Official Plans	Other Plans		X10	X11				
Maintain Consistency w/Local Planning	Consistency	YES/NO		No	Yes	No	No	Yes	Yes
	Consistency	YES/NO		No	No	Yes [†]	Yes [†]	Yes [†]	Yes [†]
	Leaking Undgrd. Stor. Tanks	Number		0	0	0	0	1	1
	EPA/DEQ Hazmat TSD Facility	Number		0	0	0	0	0	0
	National Priority List (Superfund)	Number		0	0	0	0	0	0
	RTK Cerclis (Superfund)	Number		0	0	1	1	1	1
	Michigan Contaminated Site	Number		1	1	1	1	1	1

Residential-low to medium density planned SE corner of PPO outline officially and unofficially

1. Based on master planning being designed with community input as part of the D R I C Study.

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Evaluation Factor	Performance Measure Category	Description/Units	Plaza		10A	10B	11 (Opt 1/1A)	11 (Opt 2/2A/5)
			X10	X11				
Protect Cultural Resources	Above Ground Historic Resources ¹	Historic Districts	Number	0	0	0	0	0
		Listed NRHP Sites/ Structures	Number	0	0	0	0	0
		Listed SHRS Sites/ Structures	Number	0	0	0	0	0
		Locally Listed Sites/ Structures	Number	0	0	0	0	0
		Potentially Eligible Sites/Str.	Number	0	1	0	0	1
	Archaeology ¹	Prev. Recorded Sites	Number	0	0	0	1	1
	Below Ground Resources ²	Potential to Find/Record	High/Med/Low	Medium	Medium	Medium	Medium	Medium
	Parkland	All Public Parks	Number/ Acres	0	0	0	0	0
		6(f) Parks	Number/Specify	0	0	0	0	0
		Coastal Zone Management	Number of Projects/Specify ²	0/0	0/0	0/0	0/0	0/0

Above Gound Historic Resources, Potentially eligible site/str. - Mistersky Power Station 5467 W. Jefferson
 Archaeology, Prev. Recorded Sites.- 20WN3 Copper Works Mound (Alternate Location)

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Evaluation Factor	Performance Measure Category	Description/Units	Plaza		X10	X11	10A	10B	11 (Opt 1/1A)	11 (Opt 2/2A/5)	
Protect The Natural Environment	Surface Water	Floodplain	Number/Acres		0	0.28		3	0	0.21	0.21
		Surface Run Off	Acres								
		Primary Streams	Number/Specify		1: Detroit R.	1: Detroit R.		1: Detroit R.	1: Detroit R.	1: Detroit R.	1: Detroit R.
		Secondary Streams	Number/Specify		0	0	0	0	0	0	0
		Other Water-crossings	Number/Specify		0	0	0	0	0	0	0
	Groundwater	Municipal Wells	Number								
		Water In-takes	Number/Specify								
	Significant Habitat	Wetlands	Acres		0	0	0	0	0	0.47	0.47
		Fens / Bogs	Number/Acres		0/0	0/0	0/0	0/0	0/0	0/0	0/0
		Endangered Species ³	Potential Species		1/2	1/1	1/2	1/2	1/1	1/1	1/1
		Designated Wildlife Refuges	Number/Acres		0/0	0/0	0/0	0/0	0/0	0/0	0/0
		Prime/Unique Farmland	Farmland	Acres		0	0	0	0	0	0
	Mineral Resources	Salt /Limestone	Type/Specify		Salt	Salt	Salt	Salt	Salt	Salt	

Notes:

- 1: Primary Streams are classified as water courses with an average width greater than 50ft/15m
- 2: Secondary streams are classified as water courses with an average width less than 50ft/15m.
- 3: The crossings includes open portions of the Detroit River and nearshore areas where threatened, endangered, and special concern species are known to have been present. A summary if species with a potential to be present is provided below. This analysis and site investigation are preliminary in nature.