

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

DRAFT  
FOR DISCUSSION PURPOSES ONLY  
02-02-06

Evaluation Factor	Performance Measure Category		Description/Units	Plaza					
				C3	C4	Option 1	Option 2	Options 3 and 4	Option 5
Noise	Frontline Exposure	Number of dwelling units exposed	4	20	1	2	1	10	
	Significant Receptors' Exposures	Number /Specify	2	2	3	2	2	2	
Community Cohesion/ Character	Positive/Negative/Neutral		Negative	Negative	Neutral <sup>4</sup>	Neutral <sup>4</sup>	Neutral <sup>4</sup>	Neutral <sup>4</sup>	
Potential Acquisition	Residential Units	Occupied	304	61	117	168	164	169	
		Vacant	18	4	9	17	16	13	
	Residential Population	Number	894	179	351	504	492	507	
		Business Units	Active	13	9	26	18	18	19
	Estimated Employees in affected Census Blocks <sup>2</sup>	Vacant	19	10	12	8	7	5	
		Number	390	150	294	281	281	304	
	Other Land Uses Affected	Schools		0	0	0	0	0	0
		Senior Service Facilities		0	0	0	0	0	0
		City/Government Facilities		0	0	2	3	2	2
		Places of Worship		7	0	1	4	4	1
		Medical Facilities		0	0	1	0	0	0
		State/Federal Government Facilities		0	0	0	0	1	0
		Community Services		0	0	0	0	0	0
Vacant		0	0	0	0	0	0		
Environmental Justice / Title VI	EJ Populations in affected Census Block Groups	EJ Population (non poverty)	1,269	617	617	1,524	1,524	1,524	
		Population Groups Affected	African American, Hispanic	American Indian, Hispanic	American Indian, Hispanic	African American, American Indian, Hispanic	African American, American Indian, Hispanic	African American, American Indian, Hispanic	
		% Households in Poverty / Above or Below 9.9% Regional Threshold <sup>3</sup>	33.5%/Above	37.5%/Above	37.5%/Above	39.6%/Above	39.6%/Above	39.6%/Above	
	Households in poverty	276	138	138	296	296	296		
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 <sup>5</sup>	Number of heavy industry businesses w/ 1/2 mile	3	2	2	3	3	3	
		Number of medium industry businesses w/ 1/2 mile	4	4	5	6	6	6	
		Number of light industry/office businesses w/ 1000ft/300m	1	5	3	4	4	4	
	Proximity to Residential / Retail	Number of residences w/ 500ft/150m	14	5	94	59	49	68	
		Number of businesses w/ 500ft/150m	5	16	30	11	10	13	
	Proximity to Hazardous Materials	Number of EPA/DEQ Hazmat TSD Facilities w/ 500ft/150m	0	1	0	0	0	0	
	Emergency Response	Distance to nearest fire station (mi)	0.8	1	0.7	0.7	0.6	0.7	
		Distance to nearest police station (mi)	2.6	0.7	0.5	0.9	0.9	0.8	
		Number of streets closed (perm.)	23	9	11	16	11	15	
		Number of streets closed (during const.)	26	9	11	16	11	15	
Mainline Railines Rerouted	2	3	2	5	2	3			

Notes:

- Sensitive noise receptors are historic sites, medical facilities, parks, places of worship, schools, within fifty meters of an alignment, plaza, or crossing.  
C3: 1 park, 1 place of worship  
Option 1: Historic Fort Wayne, First Latin American Baptist, & Metromatrix Human Services  
C4: 1 place of worship, 1 medical facility  
Option 2-5: Historic Fort Wayne & Southwestern High School
- 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.
- The poverty threshold for the SEMCOG region is 9.9%. Block groups with percentage of households living in poverty above 9.9% qualify as environmental justice communities.  
PPO Receptors: Southwestern High School, Apt. Bldg @ Campbell and Fischer Service Dr., Ft. Wayne, Unemployment Office
- 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.
- Option 1: (H) Mistersky Power Station, Detroit Thomas Edison Plant, Port of Detroit (M) O.J. Logistics, Arvin Meritor, Bridgewater Interiors, Progressive Distribution Center (L) Bank One, Flori-Dori Supplies, Kelly's Rendering Services  
Option 2: (H) Mistersky Power Station, Detroit Thomas Edison Plant, Lafarge (M) Arvin Meritor, Produce Terminal, Progressive Distribution Center, Yellow Trucking, Bridgewater Interiors (L) Costal Produce Distribution, Farm Fresh Distributors, Gutter Supplies, Flori-Dori Supplies  
Option 3-4: (H) Mistersky Power Station, Detroit Thomas Edison Plant, Lafarge (M) Arvin Meritor, Produce Terminal, Hascal Steel, Progressive Distribution Center, Bridgewater Interiors, Yellow Trucking (L) Costal Produce Distribution, Farm Fresh Distributors, Flori-Dori Supplies, Gutter Supplies  
Option 5: (H) Mistersky Power Station, Detroit Thomas Edison Plant, Lafarge (M) Arvin Meritor, Produce Terminal, OJ Logistics, Progressive Distribution Center, Yellow Trucking, Bridgewater Interiors (L) Flori-Dori Supply, Gutter Supplies, Costal Produce Distribution, Farm Fresh Distribution  
C3 (H) Zug Island, Detroit Edison, Lafarge (M) Yellow Trucking, Produce Terminal, JP Morgan Food, Rail Yard (L) BOASSD America Corp C4: (H) Mistersky Power Station, Detroit Edison (M) Arvin Meritor, Bridgewater Interiors, Progressive Distributors, OJ Logistics (L) Flori-Dori Supply, Packing Supply, Duffy Steel Tube, Bank One, Kelly's Rendering Services

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Evaluation Factor	Performance Measure Category		Plaza	C3	C4	Option 1	Optin 2	Options 3 and 4	Option 5
	Official Plans	Consistency	YES/NO	No	Yes	Yes	No	No	No
Maintain Consistency w/Local Planning	Other Plans	Consistency	YES/NO	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
	Environmental Sites Affecting Plan Implementation (single sites may have multiple designations)	Leaking Undgrd. Stor. Tanks	Number	1	1	3	1	1	2
		EPA/DEQ Hazmat TSD Facility	Number	0	1	0	0	0	0
		National Priority List (Superfund)	Number	0	0	0	0	0	0
		RTK Cerclis (Superfund)	Number	0	1	2	2	2	2
		Michigan Contaminated Site	Number	2	2	2	3	3	3

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					
				C3	C4	Option 1	Option 2	Options 3 and 4	Option 5
Protect Cultural Resources	Above Ground Historic Resources <sup>1</sup>	Historic Districts	Number	0	0	0	0	0	0
		Listed NRHP Sites/Structures	Number	1	0	0	0	0	0
		Listed SHRS Sites/ Structures	Number	0	0	0	0	0	0
		Locally Listed Sites/Structures	Number	0	0	0	0	0	0
		Potentially Eligible Sites/Str.	Number	4	1	2(1)	1(2)	1(2)	1(2)
	Archaeology <sup>1</sup>	Prev. Recorded Sites	Number	2	0	2(4)	2(5)	2(6)	2(5)
	Below Ground Resources <sup>2</sup>	Potential to Find/Record	High/Med/Low	High	Medium	Medium	Medium	Medium	Medium
	Parkland	All Public Parks	Number/ Acres	0	0	0	1/2.24	1/2.24	1/2.24
		6(f) Parks	Number/Specify	0	0	0	0	0	0
		Coastal Zone Management	Number of Projects/Specify <sup>2</sup>	0	0	0	0	0	0

Notes:

- (1) Roberts Brass Mfg. Co. (vacant), 5401-5409 E. Fort; Detroit Savings Bank, 5705 W. Fort
- (2) : St. Paul A.M.E. Church, 581-585 S. Rademacher
- (3) Roberts Brass Mfg. Co (vacant), 5401-5409 E. Fort; Detroit Savings Bank, 5705 W. Fort; St. Paul A.M.E. Church, 581-585 S. Rademacher
- (4) 20WN382, King David's Lodge Cemetery-Jewish 1870 (dating and name of cemetery is believed to be in error. It is more likely the Detroit City Lodge (Jewish) Cemetery located "north of Fort Street west, about 3 miles from City Hall" [Polk's Detroit City Directory 1886:68]); 20WN407, Colot 2 (c. 1796 farmstead location as depicted on Colot Map of Detroit Settlement-conjectural location)
- (5) 20WN382, King David's Lodge Cemetery-Jewish 1870 (dating and name of cemetery is believed to be in error. It is more likely the Detroit City Lodge (Jewish) Cemetery located "north of Fort Street west, about 3 miles from City Hall" [Polk's Detroit City Directory 1886:68]); 20WN6, Carsten Mound
- (6) 20WN382, King David's Lodge Cemetery-Jewish 1870 (dating and name of cemetery is believed to be in error. It is more likely the Detroit City Lodge (Jewish) Cemetery located "north of Fort Street west, about 3 miles from City Hall" [Polk's Detroit City Directory 1886:68]); 20WN6, Carsten Mound
- (7) 20WN7, Great Mound at the River Rouge; 20WN382, King David's Lodge Cemetery-Jewish 1870 (dating and name of cemetery is believed to be in error. It is more likely the Detroit City Lodge (Jewish) Cemetery located "north of Fort Street west, about 3 miles from City Hall" [Polk's Detroit City Directory 1886:68]); 20WN6, Carsten Mound; 20WN408, Martin Farm (c. 1796 farmstead location on Colot Map of Detroit Settlement-conjectural location).

\*Information for specific resources in C3 and C4 is provided in previous evaluations

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Evaluation Factor	Performance Measure Category	Description/Units	Plaza		Option 1	Option 2	Options 3 and 4	Option 5	
			C3	C4					
Protect The Natural Environment	Surface Water	Floodplain	Number/Acres	17.6	0/0	0/0	0/0	0/0	0/0
		Surface Run Off	Acres	225	36	158	173	164	175
		Primary Streams	Number/Specify	0	0	0	0	0	0
		Secondary Streams	Number/Specify	0	0	0	0	0	0
		Other Water-crossings	Number/Specify	0	0	0	0	0	0
	Groundwater	Municipal Wells	Number	0	0	0	0	0	0
		Water In-takes	Number/Specify	0	0	0	0	0	0
	Significant Habitat	Wetlands	Acres	0	0	0	0	0	0
		Fens / Bogs	Number/Acres	0	0	0	0	0	0
		Endangered Species <sup>3</sup>	Potential Species	0	1	1	1	1	1
		Designated Wildlife Refuges	Number/Acres	0/0	0/0	0/0	0/0	0/0	0/0
		Prime/Unique Farmland	Farmland	Acres	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: Based on preliminary site investigation of the plaza sites (viewing from public access points), none of the plant or animal species listed as endangered species within the quads for this region are expected to occur within the boundaries of the plazas with the unlikely but possible exceptions of the Peregrine Falcon, Eastern Fox Snake, and Indiana Bat in specific plaza locations. This analysis and site investigation are preliminary in nature and access to the plaza site is necessary for more detailed investigations.
- C4: Peregrine Falcon