

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

DRAFT
FOR DISCUSSION PURPOSES ONLY
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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 ¹ Exposures	Number /Specify ¹		2	2	3	2	2	2	
	Community Cohesion/ Character	Positive/Negative/Neutral			Negative	Negative	Neutral ⁴	Neutral ⁴	Neutral ⁴	Neutral ⁴	
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
		Vacant				19	10	12	8	7	5
	Estimated Employees in affected Census Blocks ²	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 Population (non poverty)				1,269	617	617	1,524	1,524	1,524	
EJ Populations in affected Census Block Groups	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 ³				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	Number of heavy industry businesses w/i 1/2 mile			3	2	2	3	3	3	
		Number of medium industry businesses w/i 1/2 mile				4	4	5	5	6	6
		Number of light industry/office businesses w/i 1000ft/300m				1	5	3	4	4	3
	Proximity to Residential / Retail	Number of residences w/i 500ft/150m				14	5	94	59	49	68
		Number of businesses w/i 500ft/150m				5	16	30	11	10	13
	Proximity to Hazardous Materials	Number of EPA/DEQ Hazmat TSD Facilities w/i 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	3		

Notes:

1. 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 C4: 1 place of worship, 1 medical facility

2. 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

3. 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

4. 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.