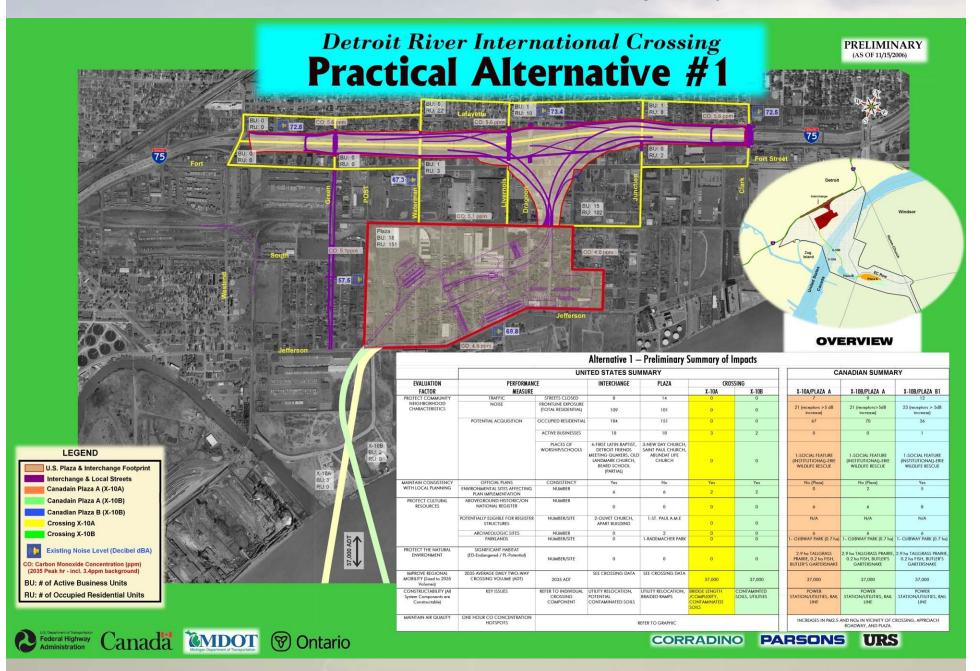
LAC/LAG/CCG Meeting

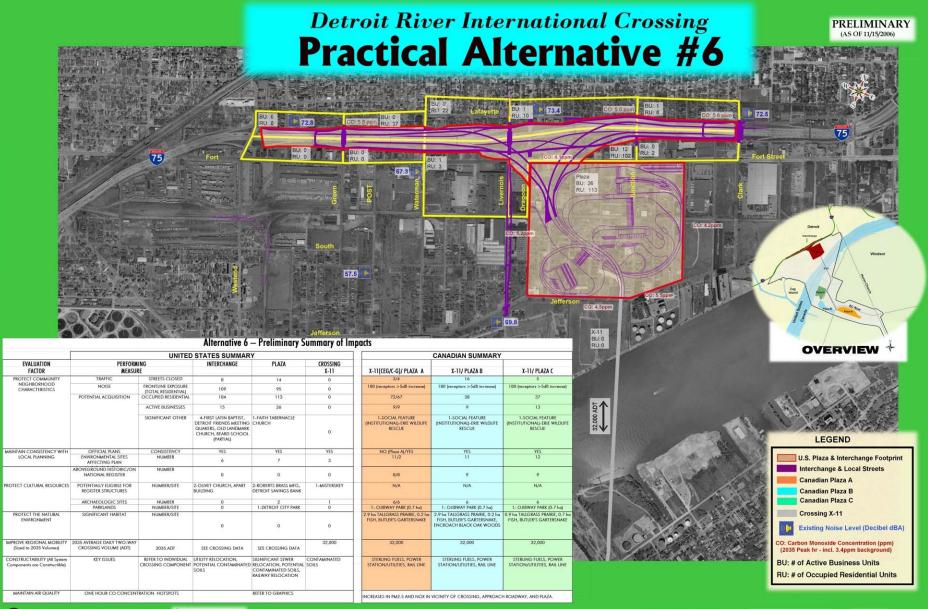
Preliminary
Assessment of Impacts

November 29, 2006



Alternative 1 – Preliminary Summary of Impacts

Г			UNI	TED STATES SUN	MARY			C/	ANADIAN SUMMA	RY
┢	EVALUATION	PERFORMANO	'F	INTERCHANGE	PLAZA	CROS	SSING			
	FACTOR	MEASURE	L	INTERCHANCE	ILALA	X-10A	X-10B	X-10A/PLAZA A	X-10B/PLAZA A	X-10B/PLAZA B1
	PROTECT COMMUNITY	TRAFFIC	STREETS CLOSED	8	14	0	0	7	9	12
	NEIGHBORHOOD	NOISE	FRONTLINE EXPOSURE		14	•	•	,		
	CHARACTERISTICS		(TOTAL RESIDENTIAL)	109	101	0	o	21 (receptors > 5 dB increase)	21 (receptors>5dB increase)	23 (receptors > 5dB increase)
		POTENTIAL ACQUISITION	OCCUPIED RESIDENTIAL	184	151	0	0	67	70	36
			ACTIVE BUSINESSES	18	18	3	2	0	0	1
1000万十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二			PLACES OF WORSHIP/SCHOOLS	4-FIRST LATIN BAPTIST, DETROIT FRIENDS MEETING QUAKERS, OLD LANDMARK CHURCH, BEARD SCHOOL (PARTIAL)	3-NEW DAY CHURCH, SAINT PAUL CHURCH, ABUNDAT LIFE CHURCH	0	0	1-SOCIAL FEATURE (INSTITUTIONAL)-ERIE WILDLIFE RESCUE	1-SOCIAL FEATURE (INSTITUTIONAL)-ERIE WILDLIFE RESCUE	1-SOCIAL FEATURE (INSTITUTIONAL)-ERIE WILDLIFE RESCUE
	MAINTAIN CONSISTENCY	OFFICIAL PLANS	CONSISTENCY	Yes	No	Yes	Yes	No (Plaza)	No (Plaza)	Yes
	WITH LOCAL PLANNING	ENVIRONMENTAL SITES AFFECTING PLAN IMPLEMENTATION	NUMBER	6	6	2	2	0	2	5
	PROTECT CULTURAL RESOURCES	ABOVEGROUND HISTORIC/ON NATIONAL REGISTER	NUMBER	0	0	0	0	6	6	8
		POTENTIALLY ELIGIBLE FOR REGISTER STRUCTURES	NUMBER/SITE	2-OLIVET CHURCH, APART BUILDING	1-ST. PAUL A.M.E	0	0	N/A	N/A	N/A
		ARCHAEOLOGIC SITES	NUMBER	0	2	0	0	6	6	6
Ħ		PARKLANDS	NUMBER/SITE	0	1-RADEMACHER PARK	0	0	1- OJIBWAY PARK (0.7 ha)	1- OJIBWAY PARK (0.7 ha)	1 - OJIBWAY PARK (0.7 ha)
7	PROTECT THE NATURAL ENVIRONMENT	SIGNIFICANT HABITAT (ED-Endangered / PL-Potential)	NUMBER/SITE	0	0	0	o	2.9 ha TALLGRASS PRAIRIE, 0.2 ha FISH, BUTLER'S GARTERSNAKE	2.9 ha TALLGRASS PRAIRIE, 0.2 ha FISH, BUTLER'S GARTERSNAKE	2.9 ha TALLGRASS PRAIRIE, 0.2 ha FISH, BUTLER'S GARTERSNAKE
	IMPROVE REGIONAL MOBILITY (Sized to 2035 Volumes)	2035 AVERAGE DAILY TWO-WAY CROSSING VOLUME (ADT)	2035 ADT	SEE CROSSING DATA	SEE CROSSING DATA	37,000	37,000	37,000	37,000	37,000
4	CONSTRUCTABILITY (All System Components are Constructable)	KEY ISSUES	REFER TO INDIVIDUAL CROSSING COMPONENT	UTILITY RELOCATION, POTENTIAL CONTAMINATED SOILS	UTILITY RELOCATION, BRAIDED RAMPS	BRIDGE LENGTH /COMPLEXITY, CONTAMINATED SOILS	CONTAMINTED SOILS, UTILITIES	POWER STATION/UTILITIES, RAIL LINE	POWER STATION/UTILITIES, RAIL LINE	POWER STATION/UTILITIES, RAIL LINE
7	MAINTAIN AIR QUALITY	ONE HOUR CO CONCENTRATION HOTSPOTS		F	REFER TO GRAPHIC			INCREASES IN PM2.5	AND NOx IN VICINITY OF C ROADWAY, AND PLAZA.	ROSSING, APPROACH

















Alternative 6 - Preliminary Summary of Impacts

			UNITED	STATES SUMMAR	Υ				CANADIAN SUMMARY	
1	EVALUATION	PERFORM	ING	INTERCHANGE	PLAZA	CROSSING				
	FACTOR	MEASUR	RE			X-11		X-11(CEG/C-G)/ PLAZA A	X-11/ PLAZA B	X-11/ PLAZA C
	DTECT COMMUNITY	TRAFFIC	STREETS CLOSED	8	14	0		3/4	16	5
	NEIGHBORHOOD CHARACTERISTICS	NOISE	FRONTLINE EXPOSURE (TOTAL RESIDENTIAL)	109	95	0		180 (receptors >5dB increase)	180 (receptors >5dB increase)	180 (receptors >5dB increase)
		POTENTIAL ACQUISITION	OCCUPIED RESIDENTIAL	184	113	0		72/67	38	37
			ACTIVE BUSINESSES	15	26	0		9/9	9	13
-			SIGNIFICANT OTHER	4-FIRST LATIN BAPTIST, DETROIT FRIENDS MEETING QUAKERS, OLD LANDMARK CHURCH, BEARD SCHOOL (PARTIAL)	1-FAITH TABERNACLE CHURCH	0		1-SOCIAL FEATURE (INSTITUTIONAL)-ERIE WILDLIFE RESCUE	1-SOCIAL FEATURE (INSTITUTIONAL)-ERIE WILDLIFE RESCUE	1-SOCIAL FEATURE (INSTITUTIONAL)-ERIE WILDLIFE RESCUE
MAINTA	IN CONSISTENCY WITH	OFFICIAL PLANS	CONSISTENCY	YES	YES	YES	1 1	NO (Plaza A)/YES	YES	YES
L	OCAL PLANNING	ENVIRONMENTAL SITES AFFECTING PLAN	NUMBER	6	7	3		11/2	11	12
		ABOVEGROUND HISTORIC/ON NATIONAL REGISTER	NUMBER	0	0	0		8/8	9	9
PROTECT	T CULTURAL RESOURCES	POTENTIALLY ELIGIBLE FOR REGISTER STRUCTURES			2-ROBERTS BRASS MFG, DETROIT SAVINGS BANK	1-MISTERSKEY		N/A	N/A	N/A
		ARCHAEOLOGIC SITES	NUMBER	0	2	1		6/6	6	6
		PARKLANDS	NUMBER/SITE	0	1-DETROIT CITY PARK	0		1- OJIBWAY PARK (0.7 ha)	1 - OJIBWAY PARK (0.7 ha)	1 - OJIBWAY PARK (0.7 ha)
	DTECT THE NATURAL ENVIRONMENT	SIGNIFICANT HABITAT	NUMBER/SITE	0	0	0		2.9 ha TALLGRASS PRAIRIE, 0.2 ha FISH, BUTLER'S GARTERSNAKE	2.9 ha TALLGRASS PRAIRIE, 0.2 ha FISH, BUTLER'S GARTERSNAKE, ENCROACH BLACK OAK WOODS	0.9 ha TALLGRASS PRAIRIE, 0.7 ha FISH, BUTLER'S GARTERSNAKE
	VE REGIONAL MOBILITY ed to 2035 Volumes)	2035 AVERAGE DAILY TWO-WAY CROSSING VOLUME (ADT)	2035 ADT	SEE CROSSING DATA	SEE CROSSING DATA	32,000		32,000	32,000	32,000
	RUCTABILITY (All System onents are Constructible)	KEY ISSUES	CROSSING COMPONENT	UTILITY RELOCATION, POTENTIAL CONTAMINATED SOILS	SIGNIFICANT SEWER RELOCATION, POTENTIAL CONTAMINATED SOILS, RAILWAY RELOCATION	CONTAMINATED SOILS		STERLING FUELS, POWER STATION/UTILITIES, RAIL LINE	STERLING FUELS, POWER STATION/UTILITIES, RAIL LINE	STERLING FUELS, POWER STATION/UTILITIES, RAIL LINE
MAI	INTAIN AIR QUALITY	ONE HOUR CO CONCENT	ration hotspots		REFER TO GRAPHICS	·	II	INCREASES IN PM2.5 AND NOX IN VICINITY OF CROSSING, APPROACH ROADWAY, AND PLAZA.		

DRAFT

FOR DISCUSSION PURPOSES ONLY 11-15-06

Detroit River International Crossing Study Evaluation of Practical Alternatives Supporting Data - Alternative 01

				Interchange	Plaza	Crossing X10A	Crossing X10B
Evaluation Factor	Performan	ce Measure Category	Description/Units				
		Floodplain	Number/Acres	0	0	3	
		Surface Run Off	Acres	10	164	0	
	Surface Water	Primary Streams ¹	Number/Specify	0	0	1: Detroit R.	1: Detroit R
		Secondary Streams ²	Number/Specify	0	0	0	
		Other Water-crossings	Number/Specify	0	0	0	
Protect The Natural	Groundwater	Municipal Wells	Number	- 0	0	0	
Environment		Water In-takes	Number/Specify	0	0	0	
Environment		Wetlands	Acres	0	0	0	
	Cinnificant Unbited	Fens / Bogs	Number/Acres	0	0	0/0	0/
	Significant Habitat	Endangered Species ³	Potential Species	0/0	0	0/0	0/0
		Designated Wildlife Refuges	Number/Acres	0	0/0	0/0	0/0
	Prime/Unique Farmland	Farmland	Acres	0	0	0	
	Mineral Resources	Salt /Limestone	Type/Specify	Salt	Salt	Salt	Sal

Notes

- 1: Primary Streams are classified as water courses with an average width greater than 50ft/15m
- 2: Secondary streams are classified as water coursesles 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.

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 of species with a potential to be present is provided below. This analysis and site investigation are preliminary in nature.

1 animal species listed by the State as Threatened is known to spawn upstream of the crossing corridor at Zug Island. 7 animal species listed by the State as Threatened, Endangered, or Special Concern have the potential to be present within specific habitats within or near the crossing corridor.

Range of Potential Impacts

Occupied Dwelling Units

		U.S.		Canada			
Crossing	Interchange	Plaza	Crossing	Crossing + Plaza A	Crossing + Plaza B	Crossing + Plaza C	
X-10	171-233	151	0	67-70	36	NA	
X-11	29-190	113-168	0-16	67-72	38	37	

Range of Potential Impacts

Active Business Units

		U.S.		Canada			
Crossing	Interchange	Plaza	Crossing	Crossing + Plaza A	Crossing + Plaza B	Crossing + Plaza C	
X-10	18-25	18	2-3	0	1	NA	
X-11	17-25	18-26	0-3	5	5	10	

Range of Potential Impacts

Historic Site on National Register of Historic Places

		U.S.		Canada			
Crossing	Interchange	Plaza	Crossing	Crossing + Plaza A	Crossing + Plaza B	Crossing + Plaza C	
X-10	0	0	0	6	8	NA	
X-11	0	0-1	0-1	6-8	6-9	6-9	

Range of Potential Impacts

Frontline Noise Exposure – Residential Units

		U.S.		Canada			
Crossing	Interchange	Plaza	Crossing	Crossing + Plaza A	Crossing + Plaza B	Crossing + Plaza C	
X-10	88-109	101	0-4	21	23	NA	
X-11	28-109	72-105	0-4	18-21	15	18	

Range of Potential Impacts

Historic Structures Potentially Eligible for National Register of Historic Places

		U.S.		Canada			
Crossing	Interchange	Plaza	Crossing	Crossing + Plaza A	Crossing + Plaza B	Crossing + Plaza C	
X-10	2-5	1-3	0	6	1	NA	
X-11	2-5	1-4	1	8	9	9	

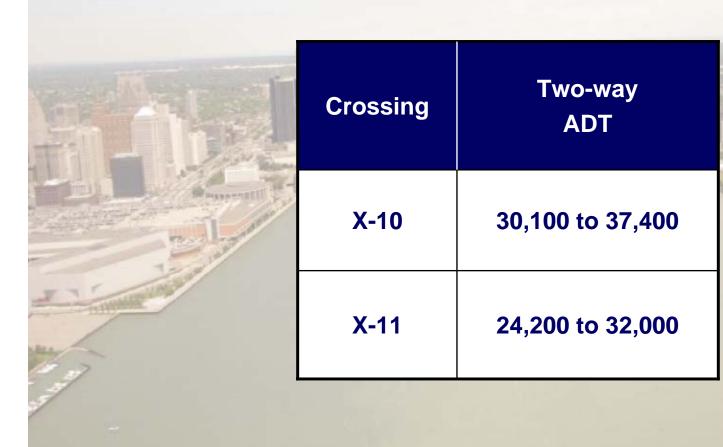
Range of Potential Impacts

Active Parklands Units

	Crossing		U.S.		Canada			
No. of Street, or other Persons		Interchange	Plaza	Crossing	Crossing + Plaza A	Crossing + Plaza B	Crossing + Plaza C	
The second second	X-10	0	1	0	1	1	NA	
	X-11	0	1	0	1	1	1	

Range of Potential Impacts

Average Daily Two-way Traffic (2035)



Range of Potential Impacts

Constructability Issues

		U.S.		Canada			
Crossing	Interchange	Plaza	Crossing	Crossing + Plaza A	Crossing + Plaza B	Crossing + Plaza C	
X-10	•Utility Reloc. •Contamination	•Utility Reloc. •Braided Ramps	•Bridge Length •Contamination	•Power Station •Rail Line	•Power Station •Rail Line	•Sterling Fuels •Power Station	
X-11	•Utility Reloc. •Contamination	•Utility Reloc. •Rail Line	•Utility Reloc. •Contamination	PowerStationSterlingFuels	Sterling FuelsRail Line	•Sterling Fuels •Power Station	

Range of Potential Impacts

Constructability Issues

			U.S.		Canada		
1000	Crossing	Interchange	Plaza	Crossing	Crossing + Plaza A	Crossing + Plaza B	
The same of the sa	X-10	Utility Reloc. Contamination	Utility Reloc. Braided Ramps	Length Contamination	Power Station Rail Line	Power Station Rail Line	
	X-11	Utility Reloc. Contamination	Utility Reloc. Rail Line	Length Contamination	Power Station Sterling Fuel	Sterling Fuel Rail Line	

