

**Detroit River** S T U D Y

### PIOH #4 Summary-Highlights of Comments

Comments made regarding preliminary analysis completed on the Seven Major Evaluation Factors:

#### 1. Air Quality

- Present in an easy to understand format
- Will not vary with any of the aboveground alternatives
- Can be determined only after proposed construction is complete

### **Community and Neighbourhood Impacts**

- Dirt, dust and noise
- Fewer homes and families displaced with a tunnel
- Community impacts associated with Plaza A are very high
- Carefully consider construction staging
- Crossing C impacts to Sandwich Towne







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### **Land Use Impacts**

- Minimize land use impacts by constructing a tunnel
- Expropriation of properties will take years to complete and will be costly
- Place ramps as close to the new freeway as possible

#### **Cultural Resources Impacts**

- Concerned with impacts to historic Sandwich Towne
- **Natural Resources Impacts**
- Plazas A and B will further erode environmentally sensitive areas
- Do not destroy trees
- Protect natural habitats; restore areas that are affected by construction staging







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### 6. Regional Mobility

- Improve Malden Road to deal with increased traffic
- · Maintain access to South Windsor arena
- Implement ITS on Canadian side of project

#### 7. Cost and Constructability

- Constructing partial tunnels in residential areas will reduce tunnel cost
- · Tunneling is cost prohibitive; costs will continue to rise if project is delayed
- · Concerned with cost of tolls at the other crossings

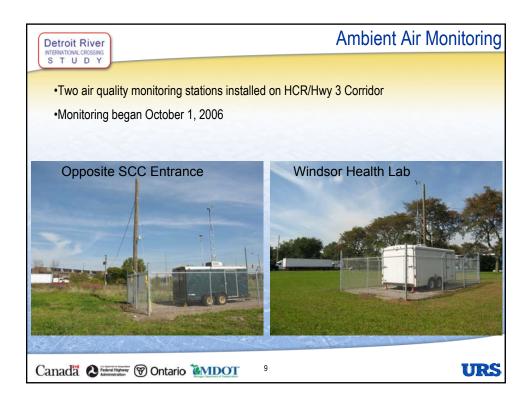


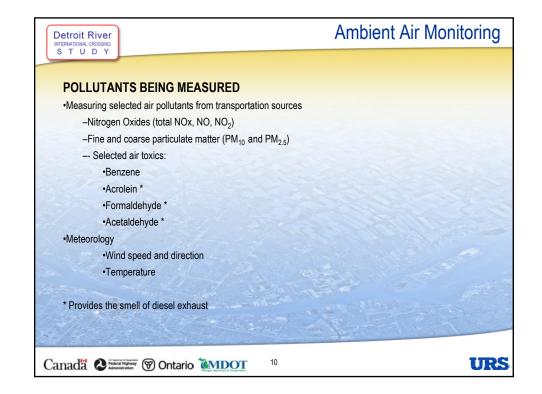


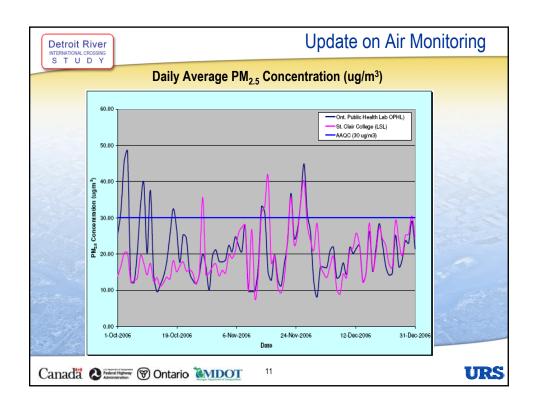


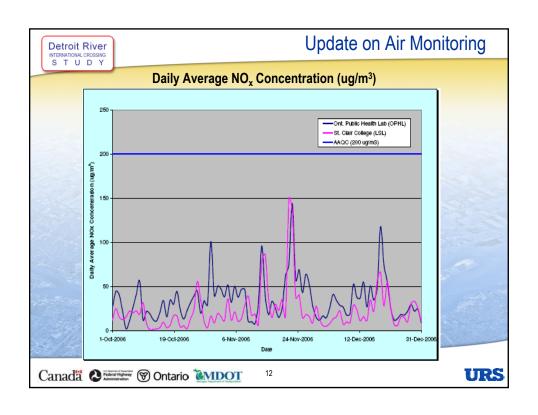


**Detroit River** S T U D Y Report on Air Quality Monitoring Station Findings URS Canada Protocol Highway Ontario MDOT











# **Ambient Air Monitoring**

### Preliminary Results - VOCs October to December 2006

Pollutant	Monitoring Station	Minimum Concentration (ug/m3)	Maximum Concentration (ug/m3)	Average Concentration (ug/m3)	MOE AAQC (ug/m3)
Formaldehyde	OPHL	2.1	5.0	3.1	65
	SCC	2.5	5.7	3.5	
Acetaldehyde	OPHL	0.6	2.4	1.5	500
	SCC	0.5	2.4	1.5	
Acrolein	OPHL	0.1	1.2	0.6	9.6*
	SCC	0.1	1.1	0.5	
Benzene	OPHL	0.4	1.0	0.6	NS
	SCC	0.4	3.1	0.8	

<sup>\*</sup> converted to 24 hour from former 1 hour AAQC











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# **Ambient Air Monitoring**

## **Next Steps:**

- Verify monitoring results to date (MOE to conduct QA)
- Continue monitoring for a 12-month period (to end of September 2007)
  - Next Quarterly Report-May 2007
- Incorporate results of local MOE monitoring stations over same time period
  - Data not available yet
- Reflect results in our dispersion modeling as appropriate







