

DETROIT RIVER INTERNATIONAL CROSSING STUDY

CCG Meeting #14

February 21st, 2007

Agenda

- Opening Remarks
- Public Comment
- Summary of PIOH #4
- Summary of January PIOH #4 Workshops
- Sandwich Towne Social Impact Assessment Focus Group Preliminary Summary
- Air Quality Monitoring Station Findings; first quarter
- Public Comment
- Closing Remarks

Opening Remarks

Public Comment

Summary of PIOH #4

PIOH #4 Summary

Date/Venue

Total Attendance

Written Comments Received

December 6, 2006 Windsor Holiday
Inn, Windsor, ON

334

36

December 7, 2006, Ciaciaro Club,
Oldcastle, ON

176

7

Total Comments received via
fax/mail

N/A

10

Total

510

46



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

2. 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

3. 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

4. Cultural Resources Impacts

- Concerned with impacts to historic Sandwich Towne

5. 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

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

January 9 and 10 PIOH #4 Workshop

Key topics of discussion related to:

Air Quality

Community and Heritage

Tunneling

Noise

Property and Business Impacts

Governance

Sandwich Towne Social Impact Assessment Focus Groups

Sandwich Towne Social Impact Assessment Focus Groups

- Over 30 participants over two sessions

Comments:

- Recent Ambassador Bridge Company multiple property acquisitions
- Community perception of Sandwich Towne; residents feel abandoned by city government
- Increases in air and noise pollution
- Property values
- Impacts to health of residents
- Increase in traffic through the community
- Cumulative impact of living between two international bridge crossings



Report on Air Quality Monitoring Station Findings

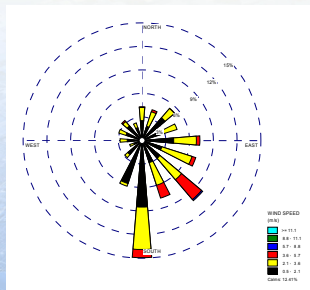
- Two air quality monitoring stations installed on HCR/Hwy 3 Corridor
- Monitoring began October 1, 2006



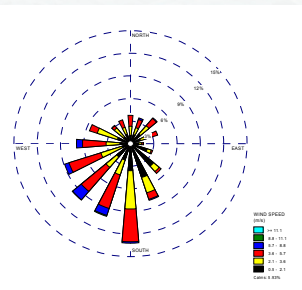
POLLUTANTS BEING MEASURED

- Measuring selected air pollutants from transportation sources
 - Nitrogen Oxides (total NO_x, NO, NO₂)
 - Fine and coarse particulate matter (PM₁₀ and PM_{2.5})
 - Selected air toxics:
 - Benzene
 - Acrolein *
 - Formaldehyde *
 - Acetaldehyde *
- Meteorology
 - Wind speed and direction
 - Temperature

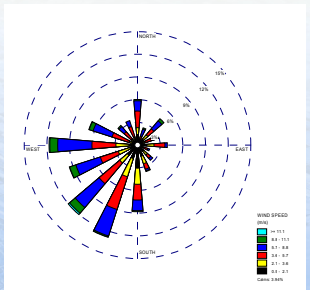
* Provides the smell of diesel exhaust



OPHL Wind Rose
Oct 1 – Dec 31, 2006

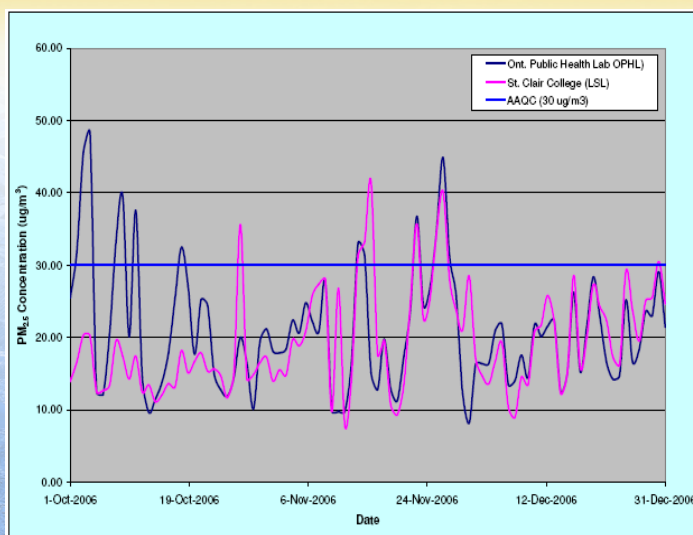


SCC Wind Rose
Oct 1 – Dec 31, 2006

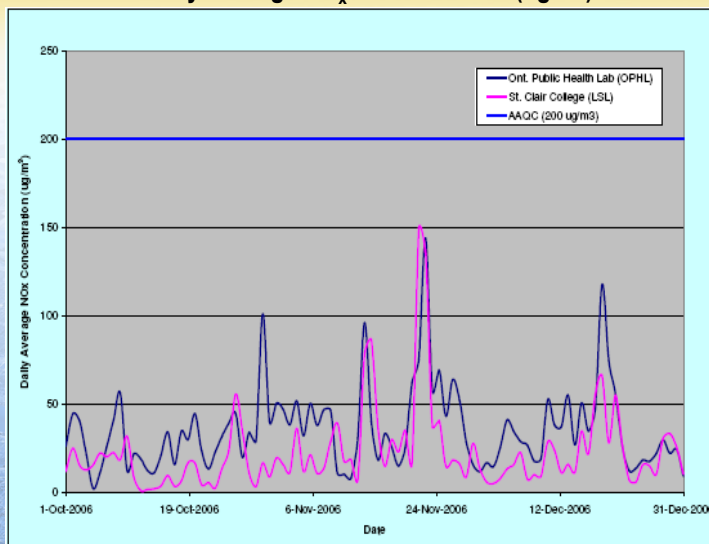


Windsor Airport Wind
Rose
Oct 1 – Dec 31, 2006

Daily Average PM_{2.5} Concentration (ug/m³)



Daily Average NO_x Concentration (ug/m³)



Preliminary Results - VOCs October to December 2006

Pollutant	Monitoring Station	Minimum Concentration (ug/m ³)	Maximum Concentration (ug/m ³)	Average Concentration (ug/m ³)	MOE AAQC (ug/m ³)
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	

* converted to 24 hour from former 1 hour AAQC

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

- Continuing to model dispersion for the access road, plaza and crossing alternatives, as well as future no-build scenarios
- Once results are obtained, these will be interpreted for the assessment to distinguish changes in air quality among the alternatives as compared to the no-build scenario

Public Comment

Closing Remarks