

DETROIT RIVER INTERNATIONAL CROSSING STUDY

CCG Meeting #12

October 26th, 2006

Agenda

- Opening Remarks
- Review of September 6 CCG Meeting Summary
- Confirmation of CCG Purpose and Role
- Public Comment
- Update on Consultation Activities
 - October CSS Access Road and Plaza Workshops
 - Social Impact Assessment Focus Group
- Project Update
 - Air Quality Monitoring
 - November 2 and 15 CSS Bridge Workshops
 - Other Canadian/U.S. Activities
- Other Upcoming Meetings
 - November LAC/CCG Meeting
 - Early December Public Information Open House
- Public Comment
- Closing Remarks

Opening Remarks

Review of September 6 CCG Meeting Summary

Confirmation of CCG Purpose and Role

Role of the CCG

- Purpose:
 - Dialogue and information exchange
 - Advice/input on and joint exploration of key issues, concerns, challenges, opportunities
 - A sounding board: review and comment on project materials, tools and reports
 - Liaison — a conduit to/from the community
 - Facilitate effective/efficient project completion
- The Border Partnership commitment:
 - Listen to, seriously consider, be respectful of participants' views, perspectives, opinions
 - Varying roles: observe, inform, clarify, facilitate

Role of the CCG (cont'd)

- **Meetings:**
 - Approximately every 2-3 months (more intensive early on)
 - Typically a 2-3 hour evening session
 - Varied formats/exercises (but always an 'open forum public comment' component)
 - Potential for joint meetings with LAC
 - Potential for 'special issue' sessions (e.g. context sensitive solutions)
 - Operating procedures, summaries and agendas
- **Membership and group composition:**
 - Some considerations: *manageable size; continuity; generally informed perspective; fairness and balance*
 - Total numbers
 - Representative mix
 - Multi-member group representation

Detroit River
INTERNATIONAL CROSSING
STUDY

Public Comment

Update on Consultation Activities

October 2 and 3 Context Sensitive Solutions Access Road and Plaza Workshop Summary

Total number of attendees: approximately 170

Four sessions held over two days

- Break-out sessions focused on participants initial reactions to the look and fit of landscape treatments along the access roads and plaza edges
- Participants provided input into the three themes presented, along with the renderings created for the plaza locations
- Participants also provided input into other landscape treatments for the access road and plaza locations



Themes

CAROLINIAN



Brings to mind the natural heritage of the Detroit River and Windsor-Essex. Naturalized look, with native trees, lots of shrubs and grasses, rolling hills and softer textures.

Rose City



Brings to mind the cultural heritage of Windsor. It includes formal plantings, brick and iron accents and a focus on roses. Landscaping will be reminiscent of classical turn-of-the-century parks and gardens.

motor city |||||



Brings to mind the automotive technologies and Windsor's modern face. The theme includes aspects of both past and future technologies and includes linear plantings, glass, steel and concrete accents and state-of-the-art lighting and signage.

FOCUS AREA 1 - EC ROW & HURON CHURCH

CONCEPTUAL



Route Alternative 2 - Theme 2: Rose City

13

Conceptual Rendering on Highway 401 at
Huron Church Road/E.C. Row looking Southeast



FOCUS AREA 2 - HWY 3 & TODD LANE/CABANA

CONCEPTUAL



Route Alternative 1 - Theme 3: Motor City

Conceptual Rendering on Northeast Corner of Cabana Road West/
Northbound Service Road looking Southeast at Land Bridge

14





Route Alternative 3 - Theme 1: Carolinian

15

Conceptual Rendering on East side of
Highway 3 looking North



Total number of attendees: 170

Rose City

- Suitable for planting in linear areas; near pedestrian oriented locations; at grade alternatives
- Consider drought tolerate plant species; perennials; flowering trees and shrubs
- Include ornamental light fixtures as part of pathways/sidewalks
- Incorporate water features such as fountains
- Considered to be a high maintenance and expensive theme
- Funding source; assigning maintenance responsibilities

Rose City



Brings to mind the cultural heritage of Windsor. It includes formal plantings, brick and iron accents and a focus on roses. Landscaping will be reminiscent of classical turn-of-the-century parks and gardens.

Carolinian

- Viewed as attractive and natural looking
- Considered low maintenance; minimal upkeep
- Considered to have durable/hardy vegetation
- Compliments existing vegetation
- Considered the most appropriate landscape treatment for most of the project area
- Concerned with potential overgrowth in years to come
- Consider planting more vegetation with colour
- Concerned with existing soil quality; ability to sustain growth in all areas

CAROLINIAN



Brings to mind the natural heritage of the Detroit River and Windsor-Essex. Naturalized look, with native trees, lots of shrubs and grasses, rolling hills and softer textures.

Motor City

- Described as modern and urban-feeling
- Considered low maintenance; minimal upkeep
- Consider diversity in planting types; deciduous and coniferous trees
- Described as being positive; forward looking
- Concerned with name; denotes negative connotation
- Considered too contemporary; may look dated in the future
- Too many straight lines; too much concrete

motor city



Brings to mind the automotive technologies and Windsor's modern face. The theme includes aspects of both past and future technologies and includes linear plantings, glass, steel and concrete accents and state-of-the-art lighting and signage.

Other landscape features that should be considered for the access road:

- Incorporate large focal points along the corridor (ie. statues, towers)
- Incorporate natural textures into the design ie. rock walls
- Utilize existing landscape vegetation where appropriate
- Include more trees in planting schemes
- Consider safety of pedestrians when designing landscaping adjacent sidewalks
- Consider providing/maintaining wildlife habitat in landscaping plans
- Incorporate art into design
- Include signage to draw motorists to stop/stay/visit Windsor
- Consider incorporating Rose City at key areas; Carolinian throughout the corridor

Other landscape features that should be considered for the plazas:

- Use a combination of earth berms, noise walls and trees to hide the plaza
- Screen noise walls with vegetation; create green walls
- Include low maintenance types of vegetation
- Use native, hardy or semi-ornamental species of vegetation on earth berms
- Include a mix of trees/shrubs that flower and have fall colours
- Landscape more heavily at plaza entrance locations
- Consider using brick/water/ornamental grasses as part of the landscape

October 21 – Social Impact Assessment (SIA) Focus Groups

Social Impact Assessment Focus Groups

- Approximately 80 participants over two sessions
- Mental mapping exercise to show neighbourhood boundaries, community features and how these features were accessed.
- Questions aimed at understanding how participants feel about their community, how they use their property and how the proposed project may impact those uses.
- Data gathered will be considered in the analysis of community and neighbourhood features.



Project Update

Project Update

- Air Quality Monitoring

PURPOSE

The data will be used to:

- Establish current conditions within the corridor
- Assist in determining background air concentrations of the pollutants being measured
- Confirm how well the model represents existing conditions

- Modeling of future conditions in Progress for access routes and plazas
- Two air quality monitoring stations installed on HCR/Hwy 3 Corridor

Opposite SCC Entrance



Windsor Health Lab



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

HOW WILL DATA BE USED?

- Establish existing conditions
 - Existing concentrations will be compared to federal and provincial ambient air quality criteria and standards
- Establish background contributions
- Validate air dispersion model
 - Complete a statistical analysis to determine whether accuracy is within acceptable levels

ASSESSING IMPACTS

- Must use modelling to assess the impact of future changes
 - implementation of alternatives
 - changes in fuels, vehicle technologies and traffic volumes
- Air dispersion model will be set up for each of the alternatives
 - Connecting route
 - Plazas
 - Crossings
- Model is specifically designed for roads and highways
 - Moving vehicles assessed differently from queued, idling vehicles
 - “at grade” sources assessed differently than depressed and bridge sources



ASSESSING IMPACTS (Cont'd)

- Model Assumptions
 - Vehicles on the highway will be moving
 - Vehicles on the service roads (and north of EC Row) will move, but will queue at signalized intersections
 - Queue length is dependent on the traffic volume in a given hour and signal timing
 - Inbound vehicles at customs plaza will queue at booths
 - Length of queues are dependent on the number of booths open and inbound traffic volume in a given hour
 - Outbound vehicles at customs plaza will not queue

ASSESSING IMPACTS (Cont'd)

- Model predicted concentrations
 - Air dispersion model will be used to calculate air concentrations along a grid of locations and sensitive receptors
 - Along the route, adjacent to the plazas and crossings
 - Model concentrations for each alternative will be compared to model concentrations at same locations without implementing the alternatives
 - Do concentrations increase/decrease?
 - By how much?
 - Are concentrations in excess of federal or provincial criteria?
 - Were they in excess without the alternatives?
 - If so, how often?
 - Did the number of times in excess increase or decrease?

- November 2 and 15 CSS Bridge Workshops

Purpose:

The workshops will focus on the general look and fit of a new international crossing, and will reflect consultation held to date with communities on both sides of the river.

Elements of a new international crossing the study team is seeking input on include:

- Bridge Crossing Type
- Bridge Crossing Lighting Treatment Options
- Bridge Crossing Theme
- Colour of the Bridge Crossing

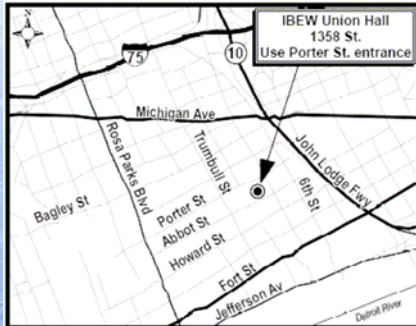
Project Update-November 2 and 15 CSS Bridge Workshops

Thursday November 2, 2006
10 a.m. – 8 p.m.

IBEW Hall

Please use Porter Street entrance

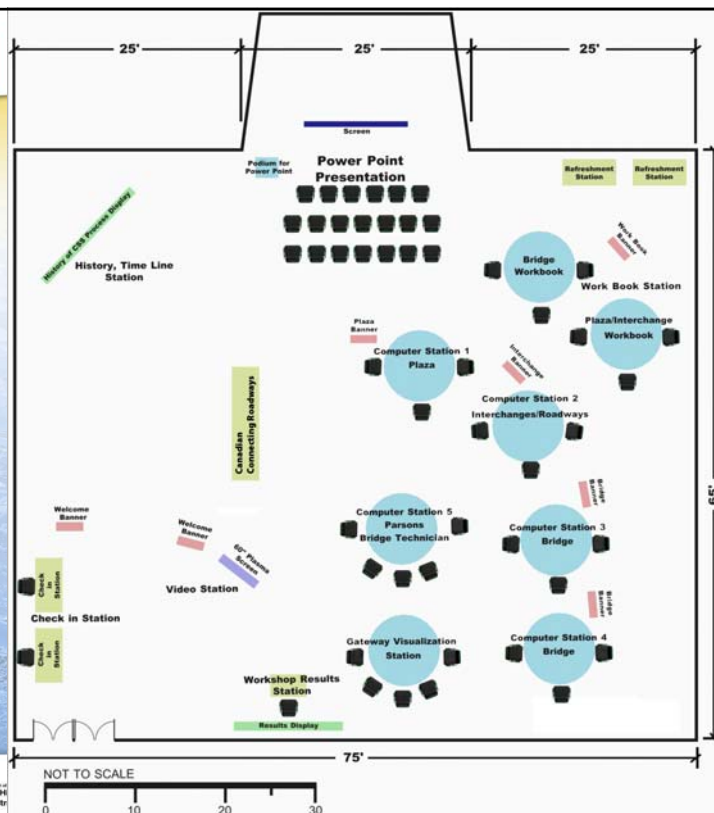
1358 Abbott Street
(Near 6th Street and Abbott Street)
Detroit, Michigan, 48226



Wednesday November 15, 2006
10 a.m. – 8 p.m.

Cleary International Centre Canadian Club Room B

201 Riverside Drive West
(Near Riverside Drive and Ferry Street)
Windsor, Ontario, N9A 5K4



**Project Update-
Nov. 2 & 15
CSS Bridge
Workshops**

DRIC STATION 3

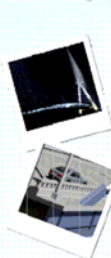
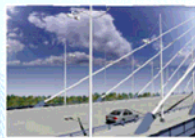
VISUALIZE YOUR BRIDGE



CABLE STAY BRIDGE

There are two visions chosen by the community for the Detroit River Bridge - Friendship and History.

The Cable Stay Bridge visualizations shown here are a beginning intended to represent expressions of these visions. Let us know what your preferences are and what other ideas you may have to express these visions.



DRIC STATION 4

VISUALIZE YOUR BRIDGE



SUSPENSION BRIDGE

There are two visions chosen by the community for the Detroit River Bridge - Friendship and History.

The Suspension Bridge visualizations shown here are a beginning intended to represent expressions of these visions. Let us know what your preferences are and what other ideas you may have to express these visions.



DRIC

CABLE STAYED BRIDGE WORKBOOK

START WITH A THEME

FRIENDSHIP

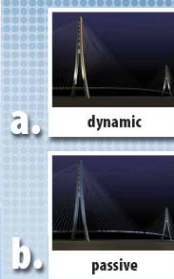
HISTORY

FRONTVIEW

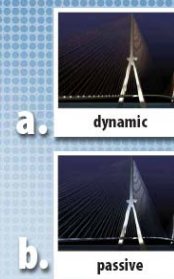
ISOMET



COLOR



AESTHETIC LIGHTING



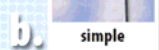
AESTHETIC LIGHTING



ornate



simple



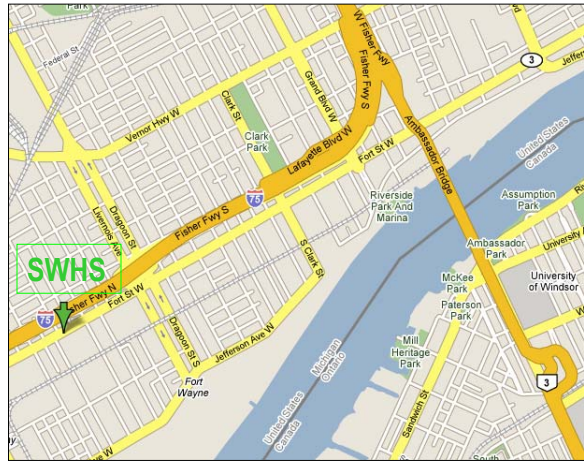
simple

LIGHTING

LIGHTING

Upcoming Meetings (All dates Tentative)

- November 29 Joint CCG/LAC Meeting
 - To be held at the Southwestern High School 7:00 p.m.
Detroit, Michigan
- Public Information Open House
 - December 6th and 7th



Public Comment

Closing Remarks