

**DRAFT—August 28, 2006**  
**U.S.—Canada Transportation Border Working Group**  
**for Transportation Planning Work Plan**  
**(2007 – 2008)**

**Proposed projects**

**1 (a) Compendium Update and development of Database tools**

**Activities:**

- Support the updates for the Compendium to include all Northern Border Crossings
- Conversion of the information to a Database tool that could generate various reports, information sharing and different queries for data.

**1(b) Project Coordination and Communication**

- Provide resources to improve overall coordination and communication between various stakeholders as projects are being planned and implemented at the Border. Several planning activities actually occur on the national level (i.e., CBP), whereas others are done at a more regional or local level (state/Provincial and MPOs).
- This work item could fund regional meetings to help foster coordination and communication for projects. Also, resources could be used to ensure better coordination/communication with the national planning processes. Examples of work items could include coordination meetings building on CBP Strategic Resource Assessments, compilation of scheduled border infrastructure projects showing the various stakeholders projects, project discussion working session at the TBWG meetings, identifying ways to integrate stakeholders into the various planning processes, etc.

**Product:**

- Conversion to database format
- Conduct Regional workshops

**Timeframe:** Completion during FFY 07

**Approximate Cost:** \$50,000 (estimated)

**Lead:** TBWG Compendium and Implementation Plan Sub-committee

**2. Research efforts associated with the TBWG Policy Research Working Group**

Focus the research efforts to those agreed to during the TBWG meeting in Bellingham.

Concentrate efforts on targeting research for communication protocols and authorities that potentially impact bi-national projects. The research effort will document various examples of these and compile a best practice/noteworthy approaches for addressing these issues.

**Product:**

- Formal research documentation for communication protocols
- Authorities for Bi-national Projects

**Timeframe:** FFY 07/08

**Approximate Cost:** \$50,000 (estimated)

**Lead:** TBWG Policy Research Sub-committee

### **3. ITS Border Pilot/Build on implementation activities in association with BIFA**

**3(a)** Building on the development of BIFA, this work item will capture in case study format examples of how BIFA has been used in the development of Regional Architecture and related actual ITS projects. These case studies will be documented and shared in a proposed workshop setting and documented for future reference

**3(b)** Maintain a BIFA resource that could assist stakeholders in the development of a regional border architecture and actual ITS deployment. This BIFA resource could comprise of a consultant staff and BIFA technical team members to lend assistance and expertise to the various stakeholders

#### **Products:**

- Development of Case Studies
- BIFA technical resource

**Timeframe:** Completion during FFY 07

**Approximate Cost:** \$50,000 (estimated)

**Lead:** TBWG BIFA sub-committee (may change group title and expand mission)

### **4. Information exchanges and workshops (builds on Steering committee activities)**

Conduct information exchanges and workshops on such efforts as BIFA, financing for border projects, new border security programs (DHS/CBSA) and project coordination. Perhaps target doing these workshops in conjunction with the TBWG Plenary meeting.

**Product:** 2 to 3 workshops

**Timeframe:** during FFY 07 and 08

**Approximate Cost:** \$150,000 (estimated)

**Lead:** TBWG Steering Committee

### **5. Freight/Intermodal planning efforts (build on Border Survey collection efforts)**

Map freight flows to help identify pressure points on the transportation and intermodal freight system along the Northern Border, by building on the Freight Area Flow maps and other related data sources. Explore options how this builds on the NRS data collection, future potential analyses and potential studies/products. Explore the connection with the FAF2 and potential uses for cross border movement. Provides opportunities to integrate this activity with other planning efforts.

**Product:** Develop potential analysis tools for Border Survey data and relationship to FAF2

**Timeframe:** during FFY 07/08 after completion of the Border Survey data collection

**Approximate Cost:** \$75,000 (estimated)

**Lead Agency:** TBWG Data sub-committee

**6. Border Travel Time Performance Measure (builds on activities associated with BIFA and various data collections efforts)** This work item would provide opportunities to bring different known activities (already in the field or under development) to work together in developing a metric for border travel time and sharing experiences of different ITS technology being used in the data collection and traffic operations for Border Travel Time. Envision a workshop to discuss technologies, share lesson learned and develop metrics, so information gathered across the border is treated similarly.

Pilot various technologies for "real time" traveler information. Building on the 25 Percent Reduction Challenge, research the various technologies to test their usefulness in satisfying the metrics that have been developed. This effort could capture historical data and identify travel trends.

**Product:** Conduct workshop for discussion for ongoing activities and potential development for metrics for border delay or transit time

**Timeframe:** FFY 07/08

**Approximate Cost:** \$50,000 (estimated)

**Lead:** TBWG Data sub-committee

### **7. Economic Impacts of Border Wait Times**

This study would build on previous studies such as the Talyor study to address the economic cost of current wait time and the economic saving from reduced wait time due to FAST, NEXUS and other improvements.

**Product:** Research project to assess economic impacts

**Timeframe:** FFY 07

**Approximate Cost:** \$100,000 (estimated)

**Lead:** TBWG Policy Research sub-committee

**Total: \$500,000 (estimated) over 2 FYs**

Optional: Pooled funded studies are also authorized to pay for the travel costs of pooled fund members to participate in meetings to manage the pooled fund study. At this time no funds have been allocated to pay for travel.

## **On hold until future date/determination for advancement**

### **Identify Short Term/ Low Cost /High Impact Projects Along the Border**

Identify specific activities that could be undertaken now to increase capacity and reduce congestion at the border. This study will identify and describe the project, identify the benefits and include a cost estimate. This could include the implementation of FAST or NEXUS lanes, construction of a bypass lane, reconfiguration of the port facility, implementation of ITS or other activity.

### **Regional Operations Model**

Use developed tools to identify measures at the macro-and micro-levels that could improve traffic flow. The project will use Cansim, Border Wizard and other available transportation models to develop a regional operations model. This model would look at urban and design characteristics, through field studies to evaluate corridors serving POEs. To improve the analysis of cross-border freight flows, the project will also look at data from the Roadside Survey.

### **Regional Border Master Plan**

On a regional basis (State/Province pair) evaluate the existing binational transportation and POE system, its current and future demand, and the infrastructure necessary to handle the expected growth. The Master Plan would help foster consistency among the individual agency planning processes, which creates a documentation that feeds back into the periodic updates of plan. The Master Plan must consider short-term, mid-term and long-term needs.

The comprehensive list and prioritized assessment of the transportation and POE needs will support international trade as well as improve cross-border travel and the quality of life for the residents and visitors of each region. The Border Master Plan could be incorporated as a component of federal, state and local strategic plans. Additionally, the outcome of the Master Plan process must be accepted and embraced by stakeholders throughout the border region. Stakeholders should make the Master Plan part of their overall planning and forecasting process. The master plan would be regularly updated (every 3-5 years) with new data, policy issues, economic and infrastructure changes as planned by the stakeholders.

## **Proposed Contribution per State**

**Northern Border Pooled Fund Study Financing FY 06-07  
2-year period**

**100% SPR eligible**

<b>State</b>	<b>FY 05-07 CBI funds</b>	<b>Percentage of Northern Border CBI funds FY 05-07</b>	<b>Share of \$300,000 pool (spread over 2 years)</b>	<b>Share of \$300,000 pool - Rounded up to nearest thousand (spread over 2 years)</b>
Alaska	\$2,850,904	1.18	\$3,533	\$4,000
Idaho	\$2,714,549	1.12	\$3,364	\$4,000
Maine	\$27,156,532	11.22	\$33,656	\$34,000
Michigan	\$61,628,114	25.46	\$76,377	\$77,000
Minnesota	\$9,884,771	4.08	\$12,250	\$13,000
Montana	\$14,772,734	6.10	\$18,308	\$19,000
New Hampshire	\$674,809	0.28	\$836	\$1,000
New York	\$58,181,058	24.04	\$72,105	\$73,000
North Dakota	\$20,549,887	8.49	\$25,468	\$26,000
Vermont	\$18,021,062	7.44	\$22,334	\$23,000
Washington	\$25,632,292	10.59	\$31,767	\$32,000
FHWA			\$200,000	\$200,000
<b>Total</b>	<b>\$242,066,712</b>	<b>100.00</b>	<b>\$500,000</b>	<b>\$506,000</b>

**Notes:**

FY 2007 appropriation amounts are preliminary and are subject to change.

STEP FHWA Research funds need 50 percent non-federal share matching funds if funds are transferred to a State.