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Smart Corridors – Roberts Bank Truck Management

DCLC Meeting
(Jan 21st, 2010)

Smart Corridors Strategy

- Purpose of Strategy:
 - To develop a long term plan that identifies high priority corridors in the regional road and highway network
 - Associated Intelligent Transportation Systems (ITS) applications to improve goods movement across modes and agencies
- Developed by TransLink with support from:



Transport
Canada

Transports
Canada



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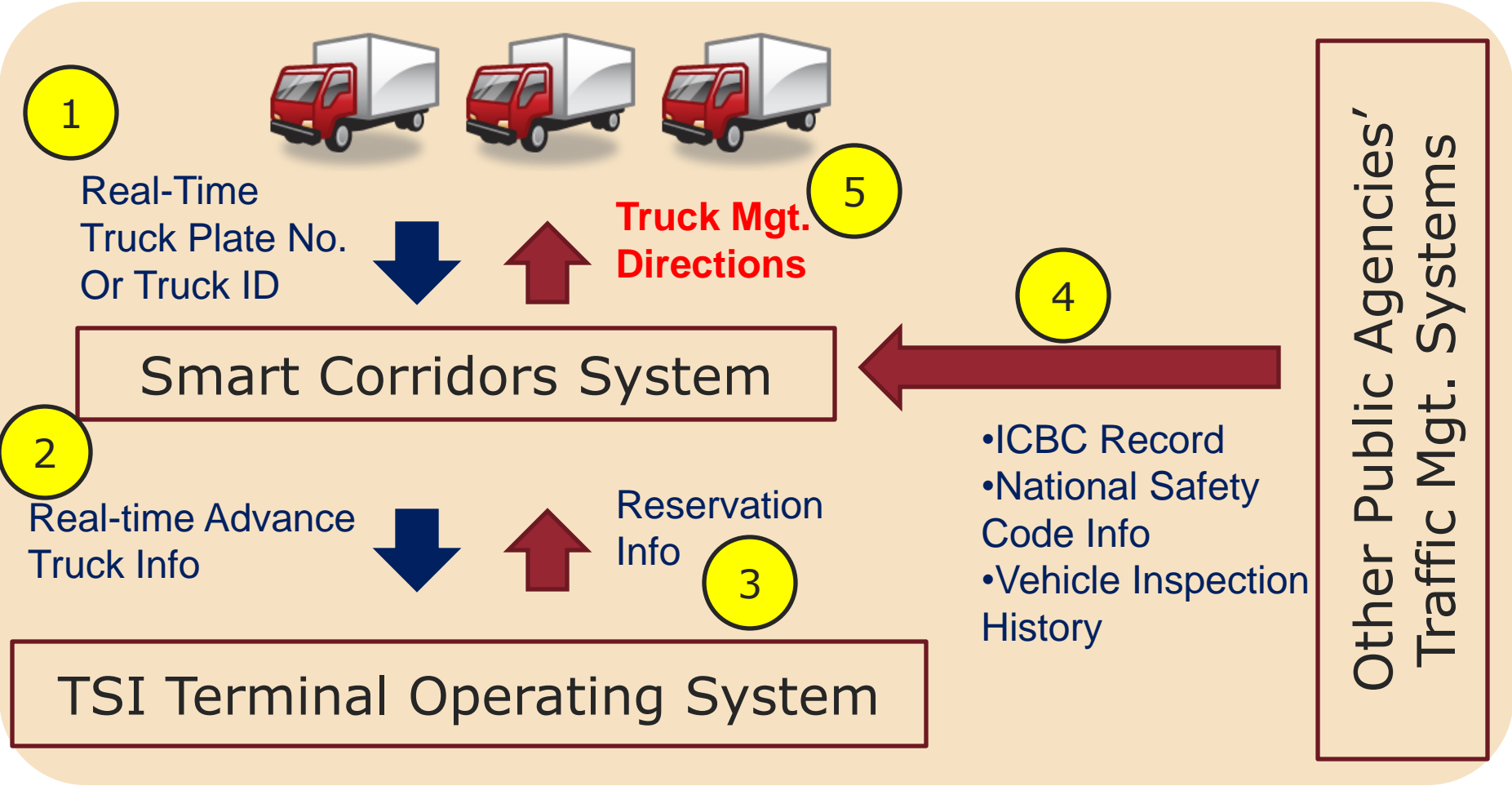
Strategy Report Conclusion

- 26 projects in short, medium and long term phases
- 2 pilot projects
 - **The Roberts Bank truck management system**
 - Traveller information for Fraser River crossings
- Transport Canada's letter of support for Roberts Bank Truck Management was received on June 8, 2009

Pilot Project Goal

- Has the potential to further enhance efficiency and sustainability of Deltaport container truck traffic in the region
 - State-of-the-art area-wide truck monitoring and management system
 - Include integration of outside public agencies' traffic management and ITS assets and infrastructures

Pilot Project's Concept



Other Public Agencies' Traffic Mgt. Systems

- ICBC Record
- National Safety Code Info
- Vehicle Inspection History

Potential Project Deployments

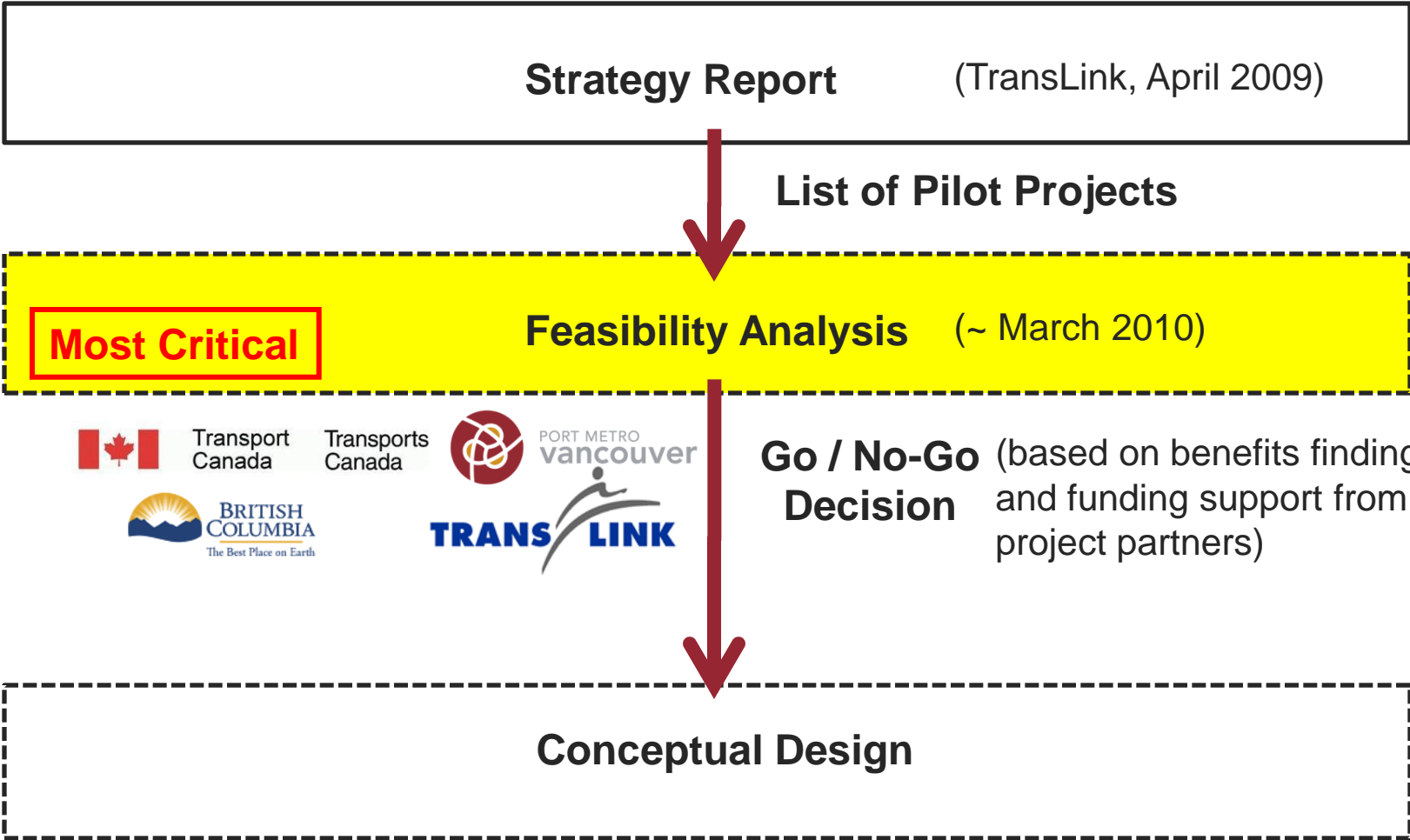
- Real-time truck info collection via on-board electronic tags
 - (e.g. BC MoT's new Weight2GOBC program)
 - Data exchange between terminal reservation sys. and truck management sys.
 - Terminal status info disseminated via roadside dynamic message sign or on-board device
 - Potential safe truck staging areas on Hwy. 17 (under evaluation)
 - **Green** light = Proceed to Deltaport
- Or
- **Red** light = Stay in Staging Area



Pilot Project's Key Objective

- To evaluate the concept's business model and the following potential benefits:
 - Improve terminal gate processing time and operations
 - Reduce roadside truck staging
 - Reduce terminal gate truck queuing
 - Enhance terminal capacity throughput
 - Reduce environmental and community impacts of truck traffic

Pilot Project Delivery Milestones



Transports Canada



Feasibility Analysis Work Plan

- Assess the queuing situation at Deltaport and identify the root causes of current queuing conditions.
- Evaluate the potential benefits of advance truck info from ITS infrastructure to TSI's terminal operating system.
- **Selected consultant:** AECOM Canada