Hamilton Oshawa Port Supply Chain Visibility Project

Pillar Representatives & Data Stewards
Goal

• To create a data sharing structure and data governance model that will enable stakeholders to improve competitiveness, trade diversity and overall productivity of the region.
Regional Multimodal Integration

Data Steward
Hamilton-Oshawa Port Authority (HOPA)
Responsible for Data Sharing, Storing and Analytics

TC Analytics

Marine Mode
- CBSA export Declarations
  - Ownership: CBSA
  - Frequency: Monthly (?)

- INNAV
  - Ownership: Coast Guard
  - Frequency: continuous

- AIS
  - Ownership: Maerspace (licensed through CSA)
  - Frequency: continuous

- US Army Corps of Engineers
  - Ownership: U.S. Army
  - Frequency: continuous

Surface Mode
- Trucking and Rail
  - Ownership: TC
  - Frequency: Monthly

Commodity
- Seaway Corporation
  - Ownership: Seaway Corporation
  - Frequency: Monthly

Shippers
Ownership: Proprietary
Frequency: unknown
Port of Hamilton service areas and CVS trip origins destined for a Westport pier

April 2020

Travel time (minutes)

<table>
<thead>
<tr>
<th>Time Range</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;30</td>
<td>White</td>
</tr>
<tr>
<td>30-60</td>
<td>Light purple</td>
</tr>
<tr>
<td>60-90</td>
<td>Purple</td>
</tr>
<tr>
<td>90-120</td>
<td>Pink</td>
</tr>
<tr>
<td>120-150</td>
<td>Red</td>
</tr>
</tbody>
</table>

CVS* trip origins destined for a Westport pier

<table>
<thead>
<tr>
<th>Time Range</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>less than 3</td>
<td>White</td>
</tr>
<tr>
<td>3</td>
<td>Light purple</td>
</tr>
<tr>
<td>4</td>
<td>Purple</td>
</tr>
<tr>
<td>5+</td>
<td>Pink</td>
</tr>
</tbody>
</table>

*Commercial Vehicle Survey performed by the Ministry of Transportation of Ontario in 2019

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community
The data cycle

How data shared for the Ontario Supply Chain Visibility project will benefit Transport Canada
Timeline - Implementation

• Complete Data Governance and Data Sharing Agreements – July/Aug. 2020
• Development of Data Structure and Analytics - Sept. 2020
• Compete Data Public Access – Oct. 2020
• Provide Data and Analytics to Canadian Center on Transportation Data – Nov. 2020