Central Region
Highway Construction Program

OHMPA – GTA Road Tour
May 6, 2014

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Head, Program Planning
Presentation Outline

- Capital Budget
- 2013-14 Expenditure Recap
- Central Region Accomplishments 2013
- Southern Highways Program 2013 – 2017
- 2014 Program Year
- Focus on Pavement & Bridges
- The Challenge – Bridges
- Questions
Central Region
Capital Budgets ($M) 2001 – 2013

- Construction
- Engineering & Property
- Other Capital

**2013/14 Capital Budget - $2.757 B**

- **$320 M** for other transportation programs (Service Centres, Interest Capitalization, Remote Airports, ITS, Facilities, Ferries, Program Support)
- **$204 M** for design and property
- **$2,233 M** for highway construction:
  - **South**:
    - Rehab: $673 M
    - Traditional Expansion: $227 M
    - AFP: $820 M
    - Total: $1.720 B
  - **North**:
    - Rehab: $383 M
    - Traditional Expansion: $121 M
    - AFP: $9 M
    - Total: $0.513 B

Total: $2.233 B
2013-14 Highway Construction Expenditures for Central Region

Expansion $107 M
Rehabilitation $335 M
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Total $442 M*

* Does not include Highway 407 East AFP Expenditures
## Central Region Accomplishments 2013

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</thead>
<tbody>
<tr>
<td>Additional Highway Widening (Lane km)</td>
<td>41</td>
<td>4</td>
<td>15</td>
<td>43</td>
<td>42</td>
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<tr>
<td>Pavement Rehabilitated (Lane km)</td>
<td>383</td>
<td>215</td>
<td>460</td>
<td>910</td>
<td>270</td>
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<td>Bridges Replaced</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Bridges Rehabilitated</td>
<td>32</td>
<td>15</td>
<td>5</td>
<td>38</td>
<td>36</td>
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<tr>
<td>Bridges Preserved</td>
<td>7</td>
<td>4</td>
<td>25</td>
<td>18</td>
<td>0</td>
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<tr>
<td>Structural Culverts Rehabilitated/Replaced</td>
<td>16</td>
<td>0</td>
<td>2</td>
<td>1</td>
<td>1</td>
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<tr>
<td>New Bridges/Structural Culverts</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>18</td>
</tr>
</tbody>
</table>

- CR has approx. 5300 Lane KM (plus 1800 Lane KM of ramps/X roads); and
- CR has planned approx. 700 Lane KM for completion in 2014 (rehabilitation).
http://www.mto.gov.on.ca/english/pubs/highway-construction
Current Central Region Stats - Pavements

- 5268 Lane KM
- 72.5% ≥ Good Condition
- 20.9% In Fair Condition
- 6.6% In Poor Condition
Current Central Region Stats - Bridges

- 1053 Bridges
- 358 Structural Culverts
- 85.5 % ≥ Good Condition
- 12.5 % In Fair Condition
- 2.0 % In Poor Condition

[Pie chart showing the distribution of bridge conditions: ≥ Good, Fair, Poor]
CR - 2014 Program Year

Rehabilitation work proposed:

- Forecasting $190 M (significant %) of carry-over project expenditure from 2013.
- Anticipating approximately 38 new major capital projects in 2014:
  - including 29 early awards;
  - Over 90% of the major capital program was tendered before March 31, 2014.
- Project are typically of 1 to 3 years in duration;
  - Traditional DBB
  - DB
  - CMGC
- Over $350 M (total project value) of new major capital rehabilitation work to be tendered this year.
- Approximately 700 Lane KM of pavement rehabilitation to be formally completed this year.
CR - 2014 Program Year

Expansion work proposed:

- Carry-over expansion
  - Highway 406 Widening (Port Robinson to East Main Street) – C 2015
  - Highway 404 Extension (Green Lane to Ravenshoe Road) – C 2014

- Over $300 M of new approved expansion projects have been tendered to commence construction in 2014:
  - Highway 401 HOV (Highway 410 to Credit River) – C 2017+
  - Highway 410 HOV (Highway 401 to Queen Street) – C 2017+
  - Highway 427 HOV (Highway 409 to Highway 407) – 2017
  - Highway 401 Holt Road Interchange – C 2016

- Other expansion projects underway, funded in part by MTO.
  - Highway 400 – Duckworth Interchange (City of Barrie Project) – C 2016
  - Highway 400 – 5th Line Interchange (TBWG Project) – C 2017

C – Completing in Year
Other Approved Expansion Projects

Commencing within 2013-2017 SHP timeline:
- Highway 404 HOV (Highway 407 to Stouffville) – C 2017+
- Highway 427 Extension (RR 7 to Major Mackenzie) – C 2017

Commencing and completing after 2017:
- Highway 401 HOV (Credit River to RR 25)
- Highway 427 HOV (Highway 407 to RR 7)
- QEW Dixie Road Interchange

C – Completing in Year
Focus on Pavements and Bridges

• Current focus is on our key assets - *Pavements and Bridges*

• Rehabilitation funding looks healthy moving forward.

• Based on the condition of our existing assets more funding is required to meet and maintain provincial performance targets.
The Challenge – Bridges

![Bar chart showing bridge building periods by age.](image)
The Challenge – Bridges

Road and Structures budget %

% of Budget

Road Structures
Recap – CR Capital Programs

- Healthy Rehabilitation Program
  - Focus on pavement and bridges
  - Meeting our 5-year pavement needs
  - Seeking to meet our full structural needs within 10-years (i.e. additional structural funding).
- Expansion
  - Substantial HOV network expansion
  - Highway 427 Extension
  - Highway 407 East (AFP)
Questions