2020 Tonnage Survey
1. HMA 2020 Tonnage
2. Prime & Tack Coats
3. RAP
4. Asphalt Cement
5. OPS
6. Asphalt Plant Certification
7. Contractor Evaluation Program
• 2020 Municipal Paving Forecast Survey

Circulated to all Ontario municipalities (444)

40 responses (9%)

• North, 6
• Southeast, 6
• Central, 14
• Southwest, 8
Q1 2020 Expected HMA Tonnage

Break Down

Central
South East
South West
North

All Respondents

959,861 T

x 3.1
x 43,630
Q2 - a Prime Coat & Tack Coat

Break Down

All Respondents

Using Prime Coat  9%
Using Tack Coat  59%

<table>
<thead>
<tr>
<th>Region</th>
<th>Prime Coat</th>
<th>Tack Coat</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW</td>
<td>63%</td>
<td>0%</td>
</tr>
<tr>
<td>Central</td>
<td>21%</td>
<td>79%</td>
</tr>
<tr>
<td>SE</td>
<td>40%</td>
<td>0%</td>
</tr>
<tr>
<td>North</td>
<td>33%</td>
<td>0%</td>
</tr>
</tbody>
</table>

NEW HMA 33%
MILLED HMA 29%
MILLED CONCRETE 0%

0% 33% 5%
Q2 - b
Prime Coat & Tack Coat

Break Down

<table>
<thead>
<tr>
<th>Region</th>
<th>Yes</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central</td>
<td>29%</td>
<td></td>
</tr>
<tr>
<td>SE</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>SW</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>North</td>
<td>17%</td>
<td></td>
</tr>
</tbody>
</table>

All Respondents

Do you use Non-Tracking Tack materials (AKA Trackless Tack)?

- Yes: 82%
- Not in all projects: 18%
Q3-a
Reclaimed Asphalt Pavement

Break Down

All Respondents

62% allow RAP

Yes, 62%
No, 38%
Percent of 2020 Jobs that contain RAP

- North
- SE
- Central
- SW
Q3-b
Reclaimed Asphalt Pavement

Percent (%) RAP in permitted in each layer?

%RAP in **Surface HMA**

%RAP in **Binder/Base HMA**

All Respondents

% RAP Allowed

0% 10% 20% 30% 40% 50% 60%

Responses

Base/Binder HMA  Surface HMA

SW  Center  SE  North
What happens to RAP after its collected?

- Store in municipal yard: 29%
- Store in contractor's yard: 39%
- Recycle in shoulder when milled: 21%
- CIR or HIR: 11%
Q5
Asphalt Content

What is the range of asphalt cement (AC) content specified by your municipality?

Surface

Base
Who performs the binder testing and recovered binder testing (PGAC, etc.)

- Consultants Lab: 57%
- Contractor's Lab: 22%
- Municipal Lab: 14%
- Tests not required: 8%
Does your municipality use OPS in your paving contracts?

30% use Special Provisions
- Echelon Paving
- Specify Max Temp.
- Tighter AC Tolerances

Yes, 88%
No, 12%
How do you feel if OAPC started a certification program to inspect and evaluate asphalt plants?

- Supportive
- Neutral
- Not Supportive
Does your municipality have a Contractor Evaluation practice/program

- **Center**: Standard Procedure, 42%; Non-formal, 17%; No, 42%
- **SE**: Standard Procedure, 0%; Non-formal, 80%; No, 20%
- **SW**: Standard Procedure, 0%; Non-formal, 63%; No, 38%

- **Overall**: Standard Procedure, 23%; Non-formal, 42%; No, 35%
Municipal HMA Liaison

2010
Municipal HMA Liaison Committee Structure

Associations:

Cities:
Municipal HMA Liaison Committee Structure

Counties:
- York Region
- Region of Waterloo
- Middlesex County
- County of Brant
- Leeds Grenville
Municipal HMA Liaison Mandate

- Facilitate the development of Best Practice Guides
- Provide/develop educational materials and program
- Recommend updates to asphalt related Ontario Provincial Standard Specifications (OPSS) and Ontario Provincial Standard Drawings (OPSD).
2019 Highlights
2019 Municipal Paving Award

Purpose
Promote and recognize the successful collaboration between municipalities and HMA producers for excellence and innovation in paving projects in Ontario

Judging Criteria
- Conformance to specifications based on testing
- Visual appearance
- Workmanship
- Innovation
- Other considerations (work window, night paving, traffic, interaction with public, etc.)
2019 Municipal Paving Award – Finalist #1

Hwy 101
Full Reconstruction

12,800 t

SP 12.5 PG 58H-34
SP 19 PG 58H-34
2019 Municipal Paving Award – Finalist #2

Hwy 7, Bus Rapidway Corridors
Design Build

280,000 t

SP 12.5, PG 64-28XJ
SP 19, PG 64-28XJ
2019 Municipal Paving Award - Winner

Oliver Road
Full Depth Recycling and Surface HMA

14,500 t

SP 12.5, PG 52-34
2020 Initiatives

Quality Assurance Subcommittee

- Develop – Pre-Paving Meeting Best Practices document.
- Develop – Field Inspector checklist.
2020 Initiatives

Contractor Work Subcommittee

• Develop - Project Evaluation/Performance Sheet.
Education/Innovation Subcommittee

- Oversee – 4th Annual Municipal Paving Award.
- Develop – 2nd Lunch and Learn Webinar Series.
  - OAPC’s Top 10 List.
  - Interpreting test results.
  - Inspection.
  - Tack Coat.
Thank you

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OGRA/MEA
Amin@OGRA.org
### Q1 2020 Expected HMA Tonnage

#### Break Down

<table>
<thead>
<tr>
<th>Region</th>
<th>Tonnage (T)</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central</td>
<td>601,915</td>
<td>63%</td>
</tr>
<tr>
<td>South East</td>
<td>169,341</td>
<td>18%</td>
</tr>
<tr>
<td>South West</td>
<td>143,680</td>
<td>15%</td>
</tr>
<tr>
<td>North</td>
<td>44,925</td>
<td>5%</td>
</tr>
</tbody>
</table>

#### Relative to 2018

- **Total Tonnage:** 959,861 T
- **Central:** 63% ↓
- **South East:** 6% ↑
- **South West:** 65% ↓
- **North:** 17% ↓

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*Note: The tonnage includes a factor of 3.1.*