Reinstatement of Trenches along Local Asphalt Roads  A101.01

DESIGN STATEMENT
Roads are expected to last 80-100 years. Trenching a road can cause weaknesses, shortening the life of the pavement, at substantial cost to the local community.

The two most important aspects when reinstating a trench along a road are:
- None of the material excavated from the trench is permitted back into the trench because local clays cannot be compacted properly and will sink over time; and
- The base course must extend 150mm wider than the trench and the wearing course must extend 300mm wider than the trench to prevent rainwater penetrating straight down the joint in the trench over the decades causing the road underneath the asphalt to deform as traffic passes over.

This is why the plan must be followed carefully.

APPLICABLE LOCATION
To be used for reinstating trenches in local roads.

COUNCIL STANDARD DRAWING
N/A

CROSS REFERENCE DOCUMENT
• N/A

STANDARD SPECIFICATION
N/A

SUPPLIER
N/A

MAINTENANCE
N/A

GENERAL NOTES
1. The drawings are to be read in conjunction with specification for pavement reinstatement for trenches.
2. The drawings are intended to assist designers and contractors in reinstating pavements and cover standard cases only. Conditions encountered at individual sites may vary and site specific information needs to be considered prior to construction.
3. All asphalt shall comply with VicRoads standard specification section 407 - hot mix asphalt.
4. All crushed rock shall be supplied in accordance with VicRoads standard specification section 812 - crushed rocks for base and sub-base pavements.
5. Cementitiously treated sub-base material shall comply with VicRoads standard specification Section 306 - construction of cementitiously treated sub-base pavement.
6. All concrete shall be in accordance with VicRoads standards section 503 - Construction of concrete base pavement courses.
7. Joints between wearing (for deep strength asphalt), base, sub-base and sub-grade shall be offset from layer to layer by no less than 150mm.
8. All joints to be saw cut.
9. Trenches with Drainage Pipes and Utility Services to:
   - Have 700mm minimum cover.
   - Be offset minimum of 400mm from kerb lip / edge of road.
10. Contractor to obtain approval from Council’s Arborist if any trenching encroaches the Tree Protection Zone and/or the tree drip line.

July 2019
Reinstatement of trenches along local asphalt roads

Table 1: Reinstatement of trenches for asphalt pavement

<table>
<thead>
<tr>
<th>Trench Width</th>
<th>Reinstatement Width for Asphalt</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;500mm</td>
<td>100mm</td>
<td>1m</td>
</tr>
<tr>
<td>&gt;500mm to 900mm</td>
<td>100mm (or as directed by council)</td>
<td>1m or as directed by council</td>
</tr>
<tr>
<td>&gt;900mm</td>
<td>100mm</td>
<td>1m</td>
</tr>
</tbody>
</table>

Trenches along roads of isolated patches:

- Where the depth of cut-out is greater than 900mm, trenches should be reinstated.
- The reinstatement width for asphalt should be 100mm.
- Where the depth of cut-out is less than 900mm, the reinstatement width should be 100mm.
- The reinstatement width should be increased where the depth of cut-out is greater than 900mm.

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