

Maintenance Advisory

MA 2017-01
September 26, 2017

From Mark Geib, Engineer of Operations Field Services Division

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Maintenance Activity Guides – TAMS Replacing MARS

Beginning in Fiscal year 2018, updated Maintenance Activity Guides (formerly known as Maintenance Performance Guides), along with the Maintenance Activity wall chart, will be relocated to the OFS maintenance services Transportation Asset Management System (TAMS) page:

https://stateofmichigan.sharepoint.com/sites/mdot/Organizational/field_services/ops/maintenance/SitePages/TAMS.aspx

The maintenance activity guides and maintenance activity wall chart have been updated to reflect SIGMA reporting codes and current maintenance best practices. All maintenance resources will be updated to reflect changes by 5/1/2018.

The Maintenance Activity Reporting System (MARS) is no longer a maintenance resource. Relevant maintenance resources will now be maintained on the TAMS page (or other maintenance pages).

TAMS includes Maintenance Management System (MMS) tools. MMS tools are used to alert, schedule, track and report maintenance operations on network assets. Activity guides are also accessible within the MMS tools.

Activity Name: Remove/Replace Pavement (Fast Set Concrete)	Activity #: 1020																														
<p>Reversibility/Repair: Full depth removal of concrete slab and replacement with "Fast Set" concrete material to eliminate damaged joints due to blow-ups or deterioration and to achieve a smooth riding surface.</p> <p>Notes: Emergency patching of blow-ups is also reported to activity 1020. Sealing should be performed at least one day prior to any Fast Set concrete work.</p>																															
<p>Removal/Install: 1000 yds 6 - (2 traffic lanes) included (Large crew size may be used during first 4 hours of production type operation. Leave 3 to re-open.)</p> <p>Material Concrete accelerator Curing compound Grout Dowel bars (optional and/or spaced) Mesh chairs (as required) Expansion material Expansion caps Miscellaneous materials</p> <p>Average daily production 10 cubic yards Each concrete patch required 2 cubic yards. Average output is 2 patches per day.</p> <p>Measurement Number of patches required. Calculation Total Patches Required = (Total Blows) ÷ 8 x 2</p>	<p>Equipment</p> <table border="1"> <tr><td>02</td><td>Crane</td></tr> <tr><td>03</td><td>Excavator</td></tr> <tr><td>04</td><td>Dump truck</td></tr> <tr><td>04</td><td>Gravel truck</td></tr> <tr><td>12</td><td>Flashing arrow</td></tr> <tr><td>18</td><td>Self-propelled</td></tr> <tr><td>28</td><td>Loader</td></tr> <tr><td>67</td><td>Trailer</td></tr> <tr><td>65</td><td>Tractor drills</td></tr> <tr><td></td><td>Two-wheeled</td></tr> <tr><td></td><td>Rock drill</td></tr> <tr><td>04</td><td>Generator</td></tr> <tr><td>04</td><td>Shovel, vehicle and attachment</td></tr> <tr><td>12</td><td>Flashing arrow</td></tr> <tr><td>67</td><td>Trailer</td></tr> </table> <p>Equipment may vary depending on availability and operational need.</p> <p>All MDOT Traffic and Safety policies shall be followed for equipment and personnel.</p> <p>Additional equipment and personnel will increase the cost to perform this activity.</p>	02	Crane	03	Excavator	04	Dump truck	04	Gravel truck	12	Flashing arrow	18	Self-propelled	28	Loader	67	Trailer	65	Tractor drills		Two-wheeled		Rock drill	04	Generator	04	Shovel, vehicle and attachment	12	Flashing arrow	67	Trailer
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Surface Maintenance
Maintenance Activity Guide 1020
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