MAINTENANCE PLANNING	GUIDELINES 01/2014
ACTIVITY: Concrete Replacement (R313) MAJOR & MINOR	ACTION: Concrete Replacement - Full Depth (SY)
pavement, except patches for scaling or replacement of concrete pavement or c	F and above. $  A   E   A   P   A   U   U   U   E   C   O   E$
<ul> <li>Trucks</li> <li>Dowel Hole Drilling Unit</li> <li>Chloride Tank w/Meter</li> <li>Wheel Saw</li> <li>Backhoe or Hydraulic Excavator</li> <li>Concrete Saw</li> <li>Concrete Vibrator</li> <li>Loader</li> <li>Concrete Blankets as needed</li> <li>Traffic Control Equipment; (See EPG <u>616.23 Traffic</u></li> </ul>	<ol> <li>Contact Dig Rite and others to mark utilities.</li> <li>Place traffic control devices as required. Review guidance for use of "No Center Line" signs and pavement marking, EPG 616.23.2.5.7.</li> <li>Use wheel saw in middle of repair to relieve stress or make the piece smaller to aid removal.</li> <li>Saw patch perimeter with diamond blade concrete saw.</li> <li>Remove concrete, Prepare subgrade, Form shoulder</li> <li>Align, drill, and install greased dowels.</li> <li>Dampen subgrade and forms.</li> </ol>
Control for Field Operations) <b>RECOMMENDED MATERIAL:</b> • 8.5 Sack Ready-Mix Concrete • Calcium Chloride • 1" Epoxy Coated greased Dowel Bars Spaced 5 Per Wheel Path on 12"ctrs • Liquid Emulsified Asphalt	<ol> <li>Place and vibrate concrete.</li> <li>Screed and finish surface.</li> <li>Edge, texture, and date patch. If station number is removed, put number back in.</li> <li>Spray repair with curing compound.</li> <li>Cure to strength.</li> <li>Remove forms and repair shoulder.</li> <li>Remove loose material and clean joints.</li> <li>Pour liquid asphalt around joints.</li> <li>Maintain rumble strips in accordance with <u>EPG 626</u>.</li> <li>Remove traffic control devices.</li> </ol>
Comprehensive Safety Program share Risk Based Assessment for additional OTHER CONSIDERATIONS: Concre	ete shall be from a calibrated ready-mix plant. pecifications for Highway Construction Section <u>613.00</u> .