

MAINTENANCE PLANNING GUIDELINES												2/2014																																					
<b>ACTIVITY:</b> Pipe Culvert Repairs (R319)						<b>ACTION:</b> Clean & Repair Pipe Culverts																																											
<b>MAJOR &amp; MINOR</b>																																																	
<b>DEFINITION:</b> The time and expenses incurred from removing and replacing pipe culverts. Includes time and expenses incurred for installing a new lining in an existing culvert and cleaning and repairing culverts.																																																	
<b>PURPOSE:</b> To clean, align, and repair pipe culverts and related structures.																																																	
<b>SCHEDULING:</b> As needed.						<table><tr><td>J</td><td>F</td><td>M</td><td>A</td><td>M</td><td>J</td><td>J</td><td>A</td><td>S</td><td>O</td><td>N</td><td>D</td></tr><tr><td>A</td><td>E</td><td>A</td><td>P</td><td>A</td><td>U</td><td>U</td><td>U</td><td>E</td><td>C</td><td>O</td><td>E</td></tr><tr><td>N</td><td>B</td><td>R</td><td>R</td><td>Y</td><td>N</td><td>L</td><td>G</td><td>P</td><td>T</td><td>V</td><td>C</td></tr></table>								J	F	M	A	M	J	J	A	S	O	N	D	A	E	A	P	A	U	U	U	E	C	O	E	N	B	R	R	Y	N	L	G	P	T	V	C
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<b>RECOMMENDED EQUIPMENT:</b> <ul style="list-style-type: none"><li>• Trucks</li><li>• Water Tank w/Trash Pump</li><li>• Concrete Mixer</li><li>• Jack</li><li>• Loader</li><li>• Skid Steer Loader</li><li>• Chainsaws</li><li>• Tube Flusher</li><li>• Traffic Control Equipment, Reference (See EPG <a href="#">616.23 Traffic Control for Field Operations</a>)</li></ul>						<b>RECOMMENDED PROCEDURE:</b> <ol style="list-style-type: none"><li>1. Contact Dig Rite and others to mark utilities</li><li>2. Place traffic control devices as needed.</li><li>3. Fill open joints with joint compound</li><li>4. If headwall, flared end section, or pipe end section is settled, align section with jack or loader and compact material under section for support.</li><li>5. If ends of corrugated metal pipe are bent and restricted, open with jack.</li><li>6. Clean excess compound and debris from work area.</li><li>7. Remove traffic control devices.</li></ol>																																											
<b>RECOMMENDED MATERIAL:</b> <ul style="list-style-type: none"><li>• Concrete</li><li>• Plastic Joint Compound</li><li>• Form Material</li><li>• Water</li><li>• Curing Compound</li></ul>																																																	
<b>SAFETY:</b> Refer to the <a href="#">Comprehensive Safety Program sharepoint portal</a> . Wear all appropriate PPE. Refer to the <a href="#">Risk Based Assessment</a> for additional information																																																	
<b>OTHER CONSIDERATIONS:</b> Check if Corps of Engineers permit is needed.																																																	
<b>REFERENCES:</b> N/A																																																	