

MAINTENANCE PLANNING GUIDELINES												2/2014																																																	
ACTIVITY: Drainage (R316)						ACTION: Channel Control																																																							
MAJOR & MINOR																																																													
DEFINITION: The time and expenses incurred for the installation, repair and maintenance of roadway drainage ditches, structures, and all slide repairs. This includes installing and maintaining pavement drainage systems.																																																													
PURPOSE: To maintain and/or install channel control devices such as dikes, deflectors, riprap, gabion baskets, or other control measures.																																																													
SCHEDULING: 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><tr><td colspan="12"></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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RECOMMENDED EQUIPMENT: <ul style="list-style-type: none"><li>• Dump Trucks</li><li>• Backhoe</li><li>• Excavator</li><li>• Loader</li><li>• Dragline</li><li>• Traffic Control Equipment; (See EPG <a href="#">616.23 Traffic Control for Field Operations</a>)</li></ul>						RECOMMENDED PROCEDURE: <ol style="list-style-type: none"><li>1. Obtain Corps of Engineers permit, as required.</li><li>2. Contact Dig Rite and others to mark utilities.</li><li>3. Place traffic control devices as needed.</li><li>4. Remove debris from channel.</li><li>5. Install channel control devices.</li><li>6. Clean up work area.</li><li>7. Install erosion control devices as necessary</li><li>8. Seed and mulch as necessary.</li><li>9. Remove traffic control devices.</li></ol>																																																							
RECOMMENDED MATERIAL: <ul style="list-style-type: none"><li>• Riprap</li><li>• Gabion Baskets, Ajax, &amp; Rock</li><li>• Fill Dirt</li><li>• Seed</li><li>• Mulch</li></ul>																																																													
SAFETY: 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.																																																													
OTHER CONSIDERATIONS: Requires planning well in advance to obtain Corps of Engineers permit.																																																													
REFERENCES: <a href="#">Missouri Standard Specifications for Highway Construction</a> Section; 802, 803, 805, 806. <a href="#">Missouri Standard Plans</a> 806.10.																																																													