

MAINTENANCE PLANNING GUIDELINES

2/2014

ACTIVITY: Drainage (R316)

ACTION: Repair Paved Ditches & Slopes

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 drainage by the repair of broken or settled sections of paved ditches, slopes and related drain basins.

SCHEDULING: Schedule when sections cannot be repaired by mudjacking or backfilling, when temperature is above freezing.

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

RECOMMENDED EQUIPMENT:

- Compressor/Breakers
- Loader or Backhoe
- Backhoe Mounted Stinger
- Trucks
- Traffic Control Equipment;
(See EPG [616.23 Traffic Control for Field Operations](#)).

RECOMMENDED PROCEDURE:

1. Contact Dig Rite and others to mark utilities.
2. Place traffic control devices as needed.
3. Break settled or damaged sections, and fill and shape damaged sections with clean shotrock.
4. Drain basins should be repaired by removing damaged sections, forming and pouring new concrete to match existing grades.
5. Remove traffic control devices.

RECOMMENDED MATERIAL:

- Ready-Mix Concrete
- Shotrock
- Seed
- Mulch
- Silt Fence, Straw Bales, Rock (for Berms), Triangular Silt Dyke, Coir Fiber Logs
- Sod
- Erosion Control Blankets

SAFETY: Refer to the [Comprehensive Safety Program sharepoint portal](#). Wear all appropriate PPE. Refer to the [Risk Based Assessment](#) for additional information.

OTHER CONSIDERATIONS: N/A

REFERENCES: Missouri Standard Specifications for Highway Construction Section; [609.10](#), [802](#), [803](#), [805](#), [806](#). Missouri Standard Plans, [806.10](#).