

MAINTENANCE PLANNING GUIDELINES

2/2014

ACTIVITY: Drainage (R316)
MAJOR & MINOR

ACTION: Clean & Reshape Ditches
A. Earth Ditches

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 keep the roadbed dry and maintain stability and proper drainage while keeping culvert pipes open.

SCHEDULING: As needed.

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:

- Motor Grader
- Loader
- Backhoe, Excavator, or Dragline
- Dump Trucks
- Broadcast Spreader
- Eye Level &/or Transit
- 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. Shape ditch and remove material as needed.
4. Clean loose material from roadway.
5. Set up erosion control as necessary.
6. Seed and mulch as necessary.
7. Remove traffic control devices.

RECOMMENDED MATERIAL:

- 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: When excavating in lawn areas, adjacent property owners should be contacted prior to beginning work, if possible, to explain intent of operation.

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