

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.

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:

- Dump Trucks
- Backhoe
- Excavator
- Loader
- Dragline
- Traffic Control Equipment;
(See EPG [616.23 Traffic Control for Field Operations](#))

RECOMMENDED PROCEDURE:

1. Obtain Corps of Engineers permit, as required.
2. Contact Dig Rite and others to mark utilities.
3. Place traffic control devices as needed.
4. Remove debris from channel.
5. Install channel control devices.
6. Clean up work area.
7. Install erosion control devices as necessary
8. Seed and mulch as necessary.
9. Remove traffic control devices.

RECOMMENDED MATERIAL:

- Riprap
- Gabion Baskets, Ajax, & Rock
- Fill Dirt
- Seed
- Mulch

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

OTHER CONSIDERATIONS: Requires planning well in advance to obtain Corps of Engineers permit.

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