MAINTENANCE PLANNING GUIDELINES

2/2014

ACTIVITY: Drainage (R316)

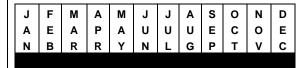
ACTION: Channel Control

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.



RECOMMENDED EQUIPMENT:

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

RECOMMENDED MATERIAL:

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

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.

SAFETY: Refer to the <u>Comprehensive Safety Program sharepoint portal</u>. Wear all appropriate PPE. Refer to the <u>Risk Based Assessment</u> for additional information.

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

REFERENCES: Missouri Standard Specifications for Highway Construction Section; <u>802</u>, <u>803</u>, <u>805</u>, <u>806</u>. Missouri Standard Plans <u>806.10</u>.