MAINTENANCE PLANNING GUIDELINES

01/2014

ACTIVITY: Roadway Shoulders

(R225)

MAJOR & MINOR

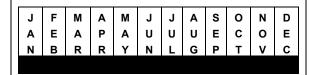
ACTION: Repair Sod and/or Aggregate

Shoulders & Approaches

DEFINITION: The time and expenses incurred to expand installation and maintenance of asphalt concrete and aggregate roadway shoulder, approaches and clear zones. Includes cost for maintaining sod.

PURPOSE: To remove ruts, low areas, and high spots on sod and aggregate shoulders.

SCHEDULING: As needed throughout the year.



RECOMMENDED EQUIPMENT:

- Motor Graders
- Dump Truck
- Roller
- Pull Broom
- Shouldering Machine Attachment
- Distributor
- Disc
- Tractor w/Pull Blade
- Grademaster
- Broadcast Spreader
- Traffic Control Equipment; (See EPG 616.23 Traffic Control for Field Operations)

RECOMMENDED MATERIAL:

- Aggregate
- Cold Mix
- Liquid Asphalt
- Rotomillings
- Seed

RECOMMENDED PROCEDURE:

- 1. Contact Dig Rite and others to mark utilities.
- 2. Place traffic control devices as needed. Review guidance for use of "Fresh Oil" and "Loose Gravel" signs <u>EPG</u> 616.23.2.7.6 and pavement marking <u>EPG</u> 616.23.2.5.7.
- 3. Blade or disc shoulder, or blade approach.
- 4. Shoot liquid asphalt, if needed.
- 5. Place material, if needed.
- 6. Roll
- 7. Repeat as necessary to obtain desired height.
- 8. Broom as needed; clean up work zone.
- 9. Reseed sod shoulders.
- 10. Remove traffic control devices.

SAFETY: Exercise caution when rolling near shoulder edge. 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: Commercial approaches are maintained to normal shoulder line or 10 feet whichever is less. Side road and private approaches are maintained to normal R/W line

REFERENCES: Missouri Standard Specifications for Highway Construction; Sections 1006; 805.