

**MAINTENANCE PLANNING GUIDELINES**

01/2014

**ACTIVITY:** Edge Rut Repair (R22E)  
**MAJOR & MINOR**

**ACTION:** Edge Rut Repair (LM)

**DEFINITION:** The time and expenses incurred for placing aggregate or bituminous mixture in edge ruts.

**PURPOSE:** To repair pavement edge drop-offs by placing aggregate or bituminous mixtures in edge ruts.

**SCHEDULING:** As needed throughout the year. Refer to Incident Response Plan for priorities.

J	F	M	A	M	J	J	A	S	O	N	D
A	E	A	P	A	U	U	A	E	C	O	E
N	B	R	R	Y	N	L	G	P	T	V	C

**RECOMMENDED EQUIPMENT:**

- Motor Grader or Tractor w/Blade
- Loader
- Dump Truck w/Rut Filler Attachment
- Roller
- Box Sled or Evener
- Shouldering Machine Attachment
- Grademaster
- Retriever
- Distributor
- Pull Broom
- 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. Apply liquid asphalt into rutted area, if necessary.
4. Fill in edge rut with material.
5. Level material to grade.
6. Compact material.
7. Clean shoulder and edge of pavement, as necessary.
8. Remove traffic control devices.

**RECOMMENDED MATERIAL:**

- Rotomilled Material
- Aggregate
- Asphalt
- Pre Mix Material
- Liquid Asphalt – Tack Grade

**SAFETY:** Wear all appropriate PPE. Exercise caution when rolling near shoulder edge. Refer to the [Comprehensive Safety Program sharepoint portal](#). Wear all appropriate PPE. Refer to the [Risk Based Assessment](#) for additional information.

**OTHER CONSIDERATIONS:** Sections that require continual maintenance, such as on the inside of curves, should be cut down, base material placed, and the surface paved with bituminous mix. Do not overfill edge rut. Maintain positive shoulder drainage.

**REFERENCES:** Missouri Standard Specification Sections [401](#), [1004](#) and [1015](#).