

## 01/2014

**ACTION:** Concrete Replacement - Full Depth (SY)

**PURPOSE:** Repair full depth failures in portland cement concrete pavement.

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 PROCEDURE:**

1. Contact Dig Rite and others to mark utilities.
2. Place traffic control devices as required. Review guidance for use of “No Center Line” signs and pavement marking, [EPG 616.23.2.5.7](#).
3. Use wheel saw in middle of repair to relieve stress or make the piece smaller to aid removal.
4. Saw patch perimeter with diamond blade concrete saw.
5. Remove concrete, Prepare subgrade, Form shoulder
6. Align, drill, and install greased dowels.
7. Dampen subgrade and forms.
8. Place and vibrate concrete.
9. Screed and finish surface.
10. Edge, texture, and date patch. If station number is removed, put number back in.
11. Spray repair with curing compound.
12. Cure to strength.
13. Remove forms and repair shoulder.
14. Remove loose material and clean joints.
15. Pour liquid asphalt around joints.
16. Maintain rumble strips in accordance with [EPG 626](#).
17. Remove traffic control devices.

- 8.5 Sack Ready-Mix Concrete
- Calcium Chloride
- 1" Epoxy Coated greased Dowel Bars  
Spaced 5 Per Wheel Path on 12" ctrs
- Liquid Emulsified Asphalt

**OTHER CONSIDERATIONS:** Concrete shall be from a calibrated ready-mix plant.

**REFERENCES:** [Missouri Standard Specifications for Highway Construction](#) Section 613.00.  
Missouri Standard Plan 613.00