

Notes:

The contractor shall remove top of backwall, slab and barrier curb concrete to the limits shown and across the width of the bridge at End Bent No. 1.

Any existing epoxy coated bars that are to remain and are damaged during construction shall be repaired in accordance with Sec 710.

The removal of concrete shall be in accordance with Sec 704.

Barrier curb bars that are not embedded in old concrete not removed shall be replaced with new epoxy coated reinforcement as shown in Barrier Curb Details.

Longitudinal reinforcing steel shall extend to within  $\pm 1"$  of the joint armor. Existing steel shall be cut or spliced to new steel as required. Splices shall be a lap splice of 24 bar diameters or a mechanical bar splice.

Match existing barrier curb dimensions.

Top of safety barrier curb shall be built parallel to grade with barrier curb joints (except at end bents) normal to grade.

All exposed edges of safety barrier curb shall have either a 1/2" radius or a 3/8" bevel, unless otherwise noted.

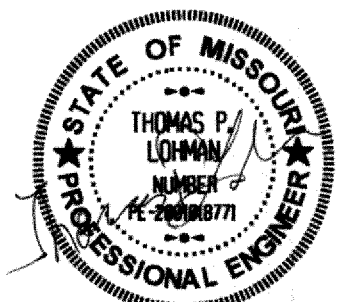
Concrete in the safety barrier curb shall be Class B-1.

All bar dimensions are out to out.

Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.

Actual lengths are measured along centerline of bar to the nearest inch.

All bars shall be epoxy coated.



4.29.2014

DATE PREPARED  
4/29/2014

|       |       |
|-------|-------|
| ROUTE | STATE |
| 30    | MO    |

|          |           |
|----------|-----------|
| DISTRICT | SHEET NO. |
| BR       | 2         |

COUNTY  
JEFFERSON

JOB NO.  
WBA4629A

CONTRACT ID.

PROJECT NO.

BRIDGE NO.  
A46291

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

**HORNER &  
SHIFRIN, INC.**  
**ENGINEERS**  
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Discipline: Professional Engineering  
Certificate of Authority: 000159  
Expiration Date: December 31, 2014

Designed: CBW  
Detailed: CAB  
Checked: TPL

## EXPANSION JOINT REMOVAL AND NEW REINFORCED CONCRETE DETAILS

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 2 of 5