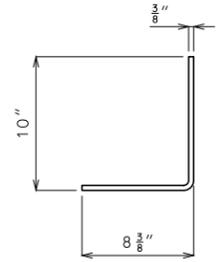
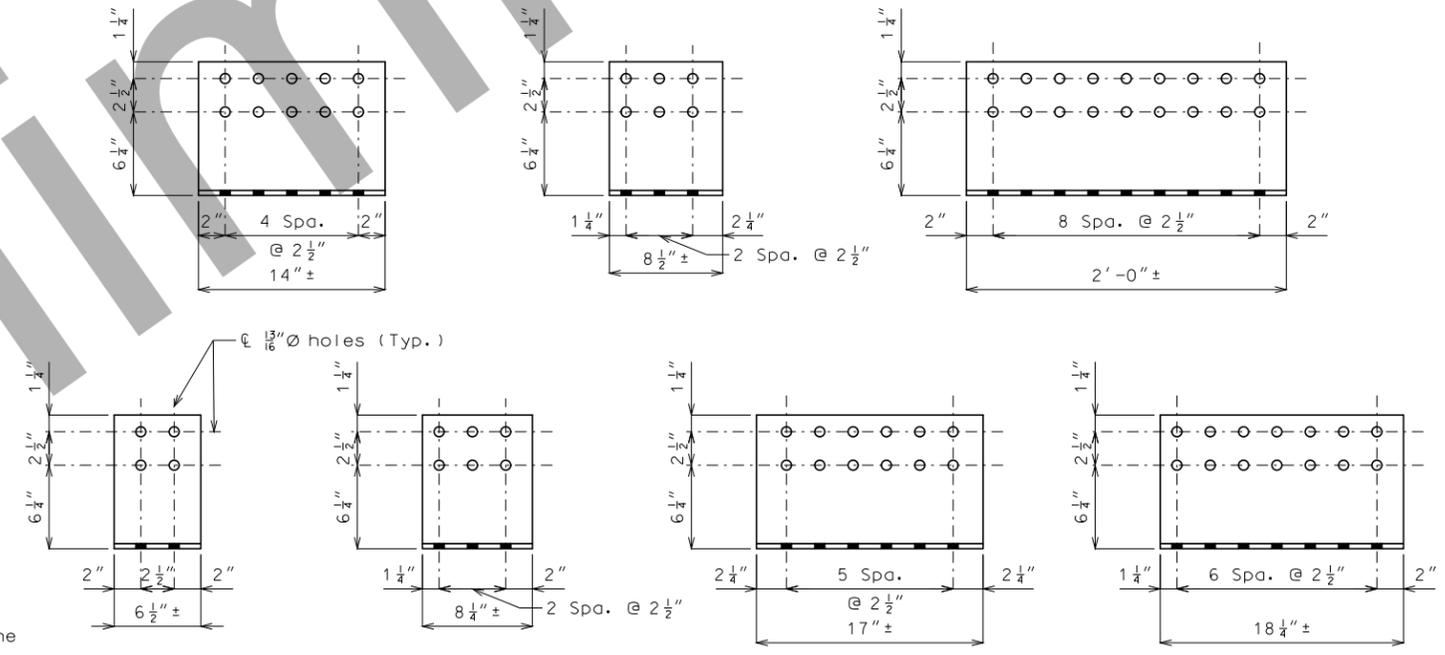


PART ELEVATION SHOWING WEB REPAIR

SECTION A-A



DETAIL OF WEB BENT PLATE
(7 Req'd. per girder, as detailed to the right)
(114 bolts required)



Notes:
Fabricated structural steel shall be ASTM A709 Grade 50.
Use 3/4"Ø high strength bolts for 13/16"Ø holes (field drill).
Contact surfaces shall be in accordance with Sec 1081 for surface preparation.
Plate lengths and bolt locations may be adjusted as conditions warrant. The distance from the edge of the plate to the center of a bolt should be no less than 1 1/4" and no more than 3".
The center to center spacing of bolts shall be no less than 2 1/2" and no more than 4 1/2".

**FOR INFORMATION ONLY
NOT FOR CONSTRUCTION**

INTERIOR GIRDER NO. 3
REPAIRS TO GIRDERS NEAR INTERMEDIATE BENT NO. 4

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DATE PREPARED 1/7/2016	
ROUTE 70	STATE MO
DISTRICT BR	SHEET NO. 6
COUNTY COOPER	
JOB NO. J513132	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO. A02016

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED
1/7/2016
ROUTE 70 STATE MO
DISTRICT BR SHEET NO. 7
COUNTY COOPER
JOB NO. J513132
CONTRACT ID.

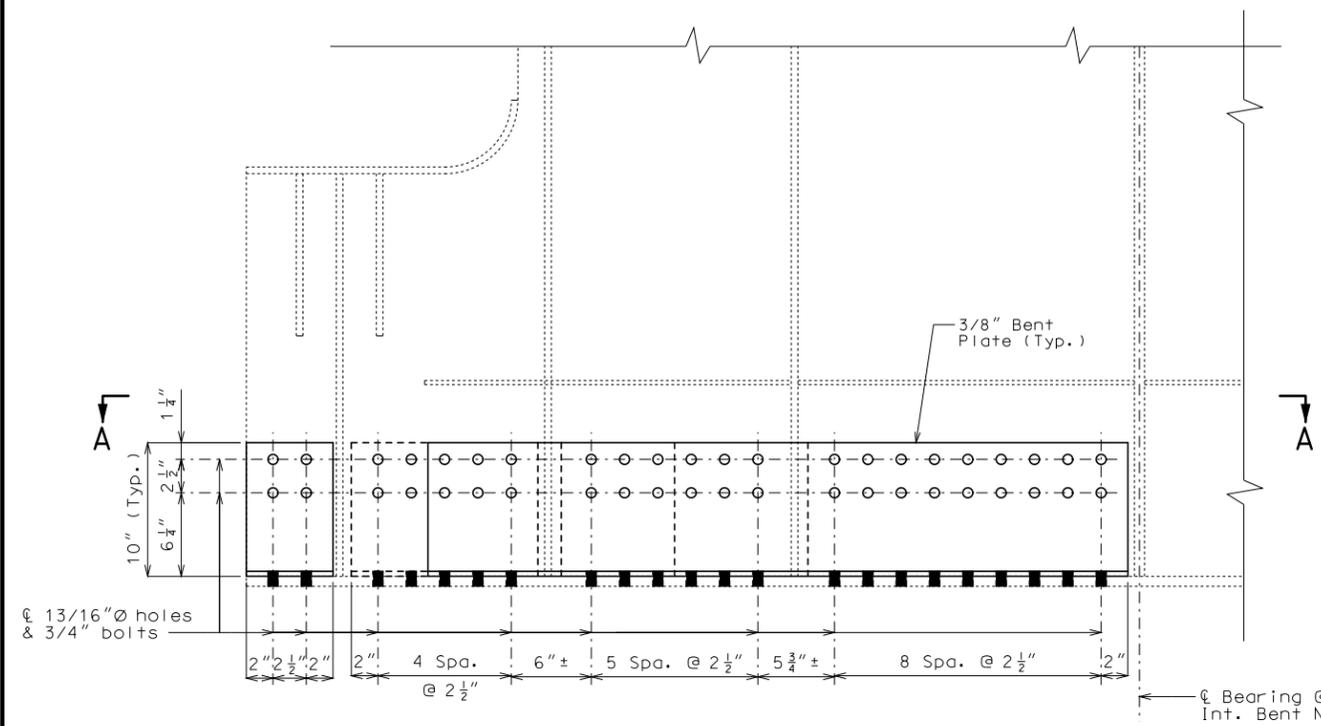
PROJECT NO.
BRIDGE NO. A02016

DATE	DESCRIPTION

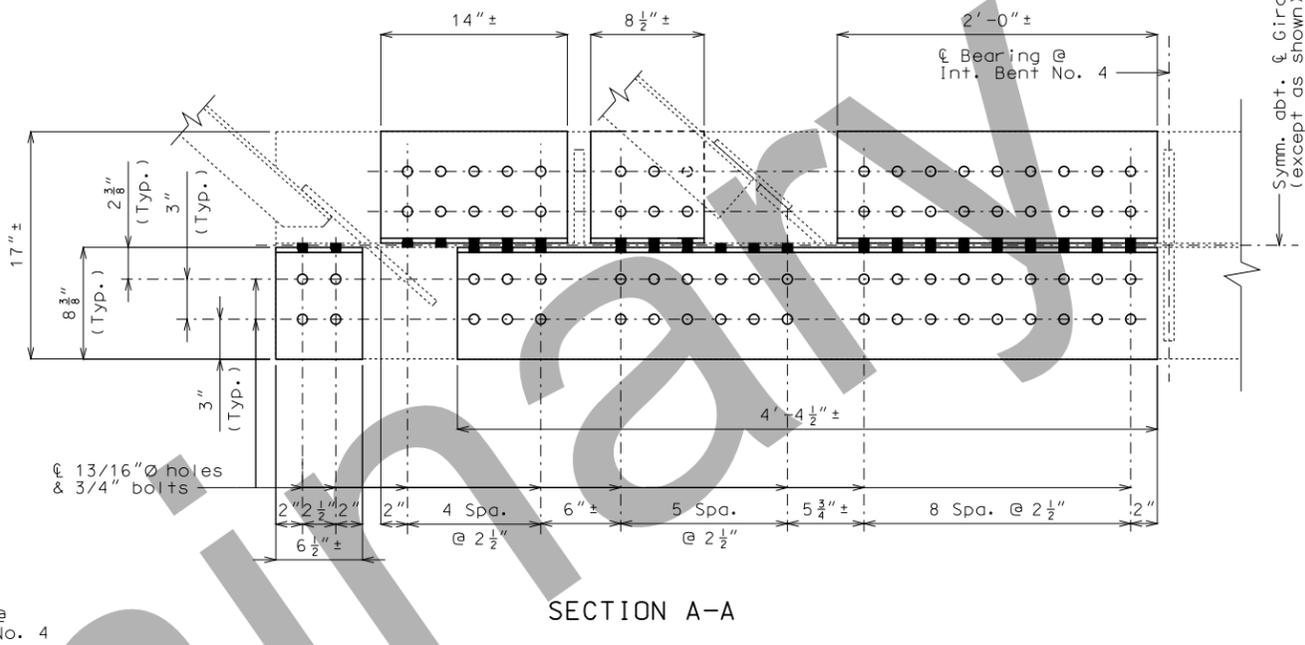
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

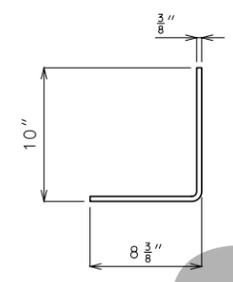
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



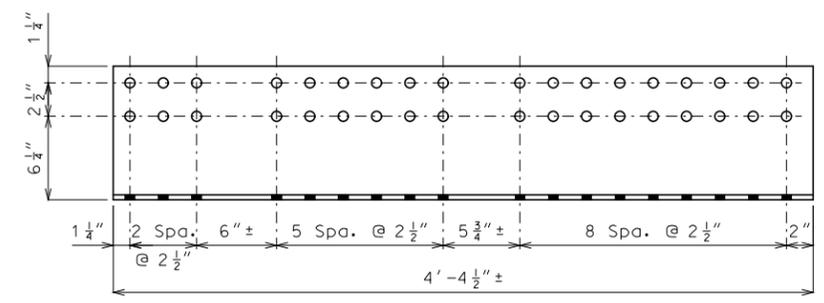
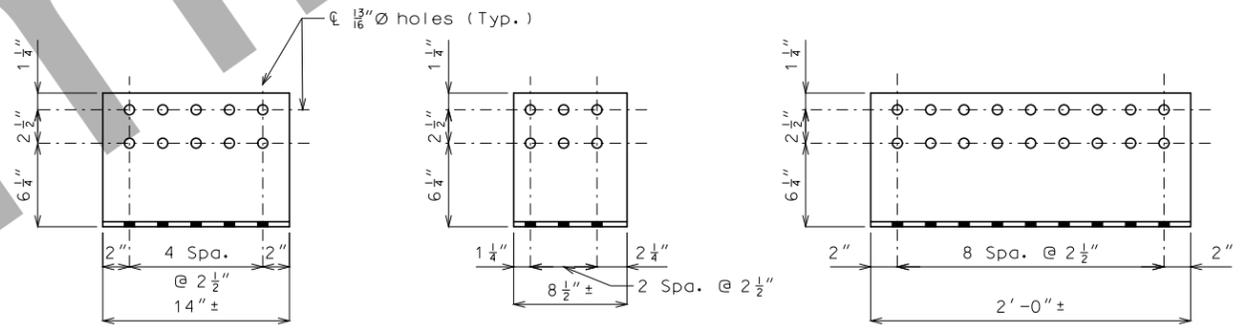
PART ELEVATION SHOWING WEB REPAIR



SECTION A-A



DETAIL OF WEB BENT PLATE
(4 required, as detailed to the right)
(118 bolts required)



Notes:
 Fabricated structural steel shall be ASTM A709 Grade 50.
 Use 3/4"Ø high strength bolts for 13/16"Ø holes (field drill).
 Contact surfaces shall be in accordance with Sec 1081 for surface preparation.
 Plate lengths and bolt locations may be adjusted as conditions warrant. The distance from the edge of the plate to the center of a bolt should be no less than 1 1/4" and no more than 3". The center to center spacing of bolts shall be no less than 2 1/2" and no more than 4 1/2", except as shown.

**FOR INFORMATION ONLY
NOT FOR CONSTRUCTION**

EXTERIOR GIRDER NO. 4
REPAIRS TO GIRDERS NEAR INTERMEDIATE BENT NO. 4

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DATE PREPARED
1/7/2016

ROUTE 70 STATE MO

DISTRICT BR SHEET NO. 9

COUNTY COOPER

JOB NO. J513132

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A02016

DESCRIPTION

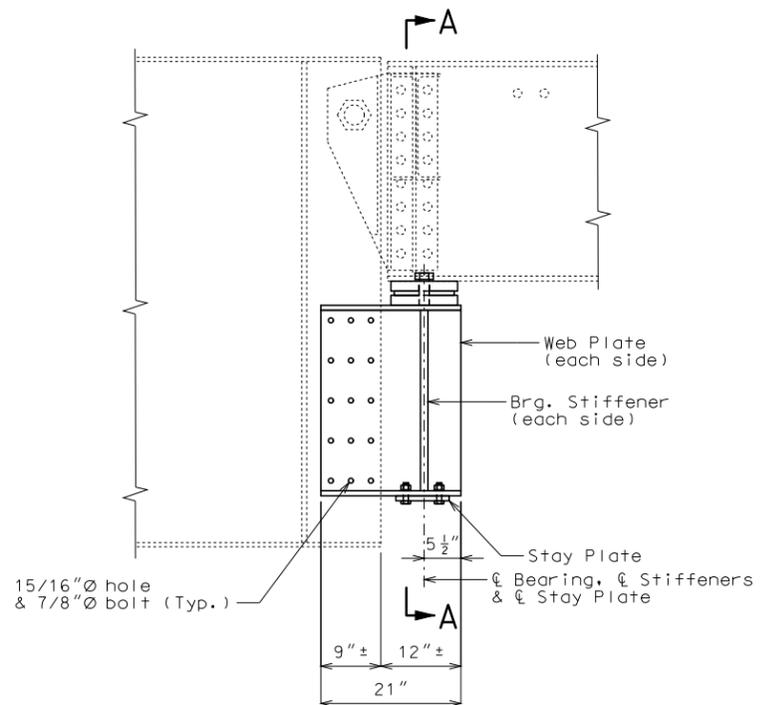
DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

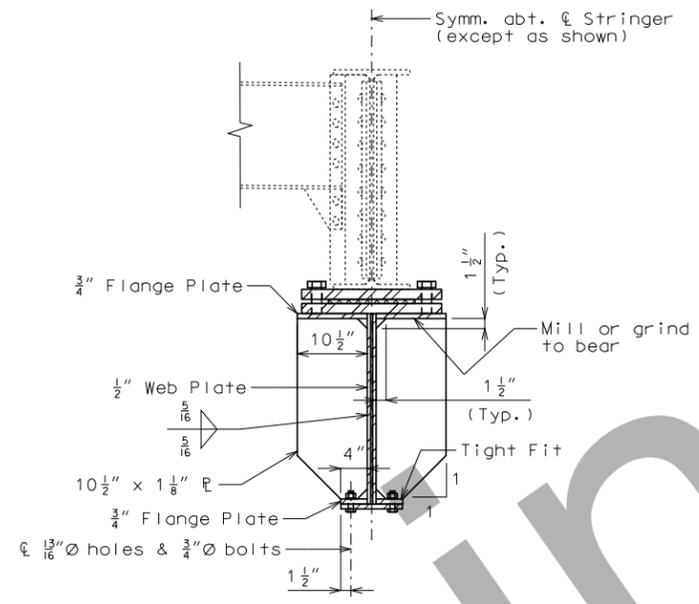
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



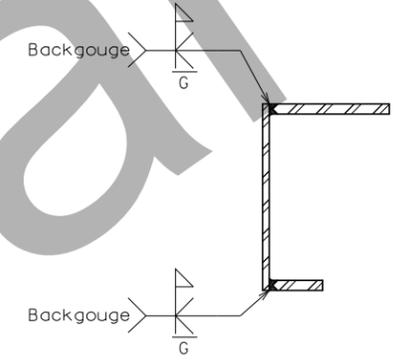
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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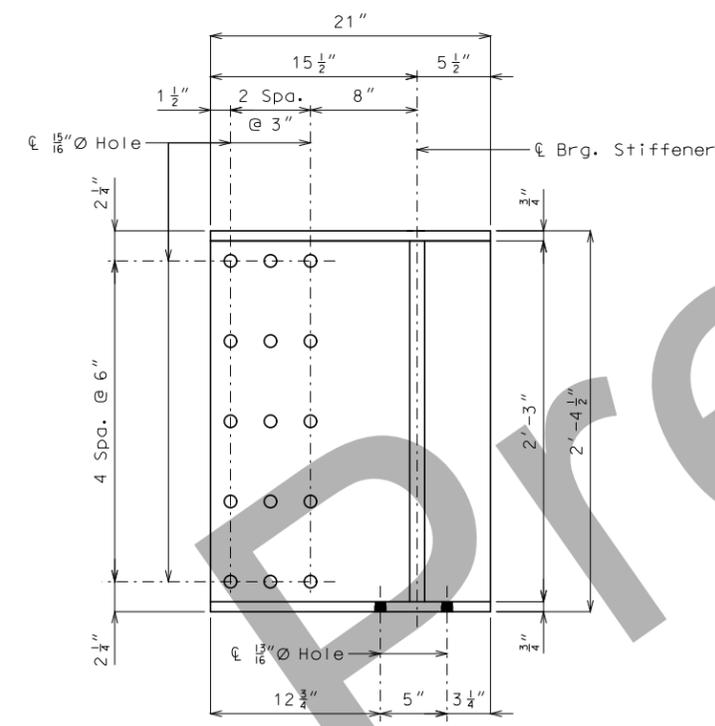
PART ELEVATION SHOWING MODIFICATION



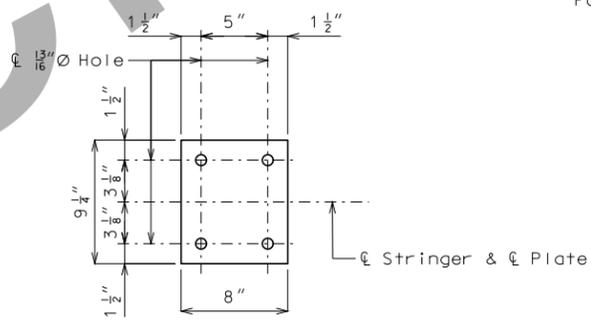
SECTION A-A



TYPICAL WELDING DETAILS



DETAILS OF 1/2" WEB PLATE



DETAILS OF 3/4" STAY PLATE

General Notes:

- Fabricated structural steel shall be ASTM A709 Grade 50.
- Field connections shall be made with 7/8" diameter high strength bolts and 15/16" diameter holes, except as noted. 7/8" diameter high strength bolts may be substituted for 3/4" diameter high strength bolts for stay plate connection.
- All flange plates and web plates shall be subject to notch toughness requirements.
- New construction shall be installed parallel to grade.
- Contact surfaces shall be in accordance with Sec 1081 for surface preparation.
- For Details of Laminated Neoprene Bearing Pad Assembly, see Sheet No. 10.

**FOR INFORMATION ONLY
NOT FOR CONSTRUCTION**

GIRDER NO. 2
HINGE MODIFICATION NEAR INT. BENT NO. 8

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DATE PREPARED
1/7/2016

ROUTE 70 STATE MO

DISTRICT BR SHEET NO. 11

COUNTY COOPER

JOB NO. J513132

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A02016

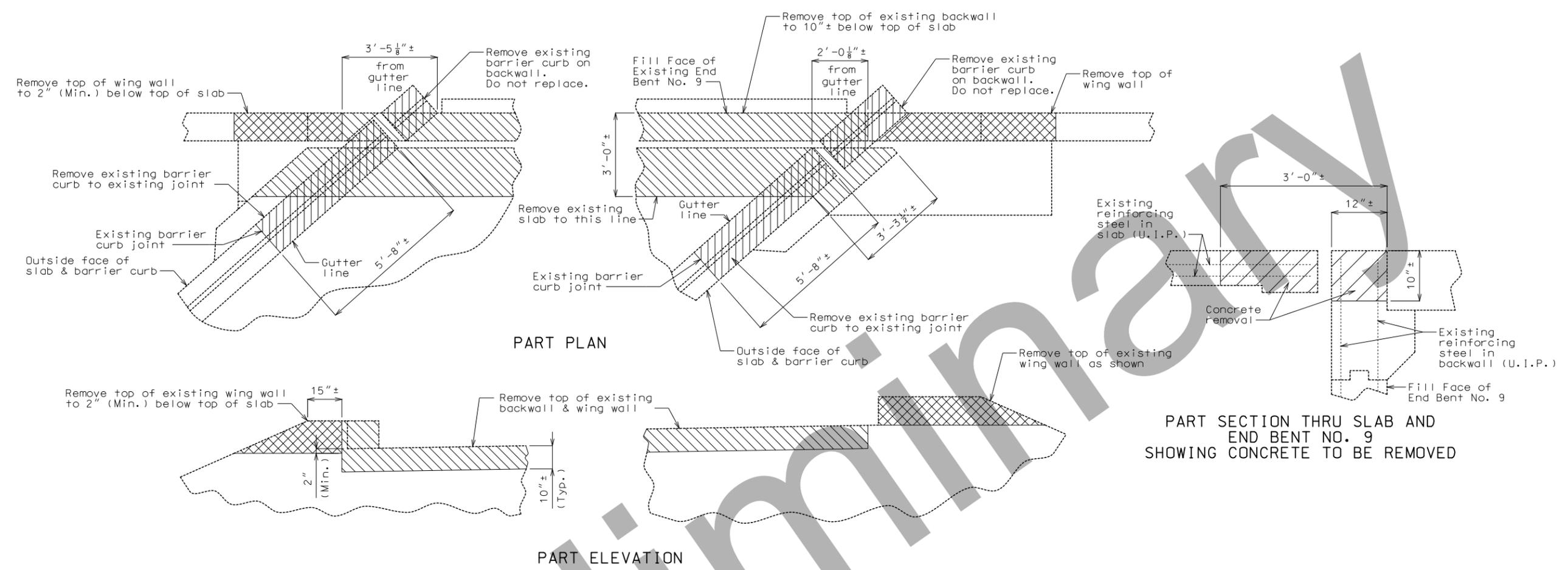
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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Notes:

The cost of backwall, wing wall and slab concrete removal as shown will be considered completely covered by the contract unit price for Removal of Existing Expansion Joints & Adjacent Concrete.

Existing reinforcement not embedded in new concrete is to be cut off one inch below concrete removal surface and the resulting holes shall be filled with an approved qualified special mortar.

Work this sheet with Sheets No. 12, 13 & 14.

**FOR INFORMATION ONLY
NOT FOR CONSTRUCTION**

CONCRETE REMOVAL AT END BENT NO. 9 FOR EXPANSION DEVICE REPLACEMENT

Detailed Dec. 2015
Checked Jan. 2016

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

Sheet No. 11 of

