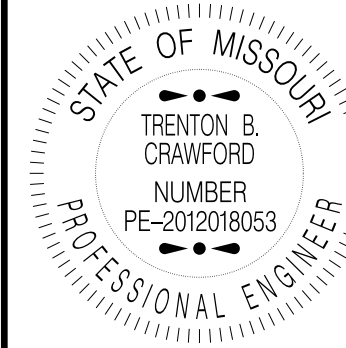




THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
8/31/2026

ROUTE
1 - 70

STATE
MO

DISTRICT
BR

SHEET NO.
2

COUNTY
ST. CHARLES

JOB NO.
JSL0305

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A32825

DESCRIPTION

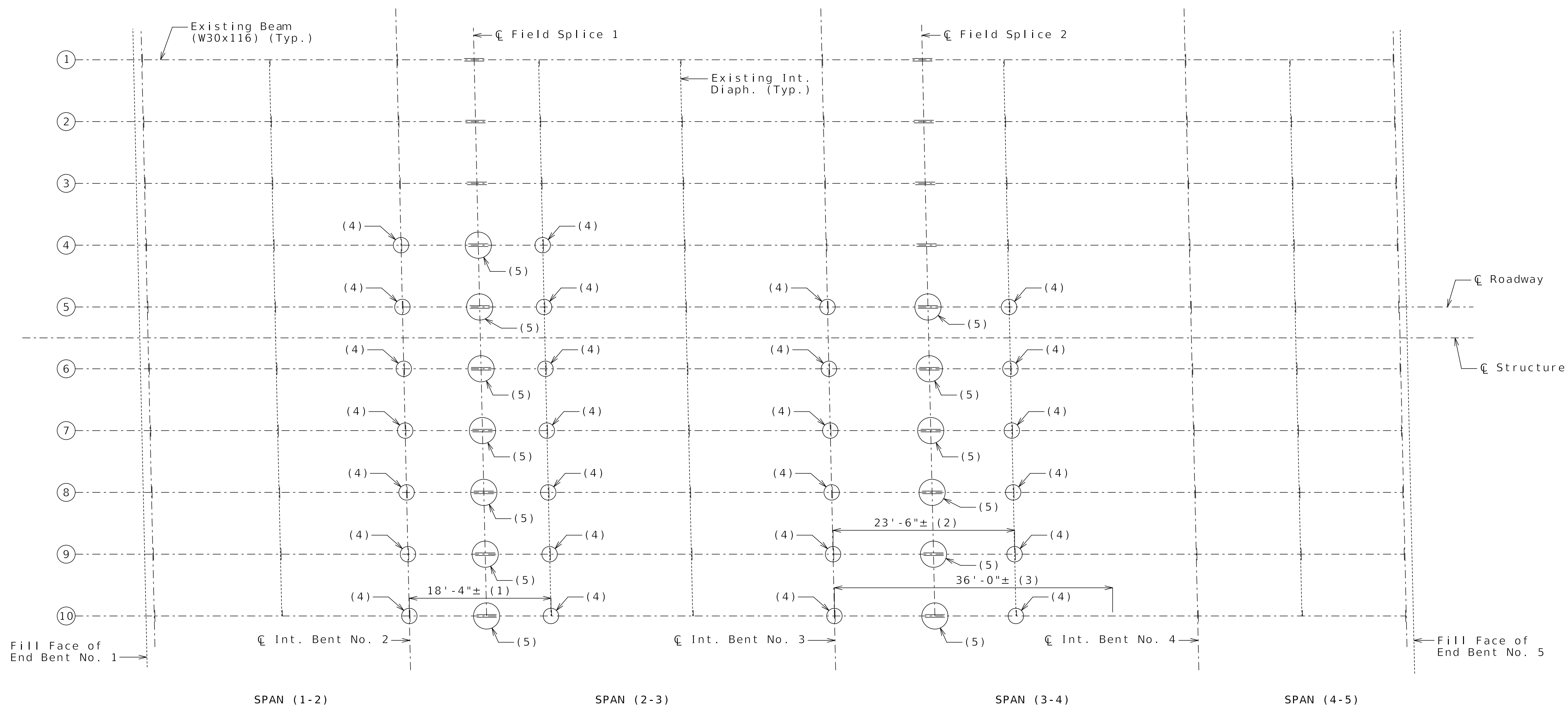
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MODOT

Added



PART PLAN SHOWING ESTIMATED LOCATIONS OF REPAIRS

Repair Notes:

When cracks are detected in bearing stiffeners or connection plates, remove the existing cross frame or intermediate diaphragm to enable repair of the plates.

Grind and re-weld bearing stiffener and connection plates where cracks are discovered, then reinstall cross frame or diaphragm.

After all repairs are completed, recoat all structural steel with System L. Existing paint system is calcium sulfonate over basic lead chromium.

- (1) Approximate limits of required heat straightening in Span (2-3), Beams 5-10
- (2) Approximate limits of required heat straightening in Span (3-4), Beams 6-9
- (3) Approximate limits of required heat straightening in Span (3-4), Beam 10
- (4) Perform non-destructive testing of existing bearing stiffener and connection plate welds to confirm suitability for re-use.
- (5) Replace damaged bolts as required. A maximum of four bolts may be removed per splice at any one time. The cost of replacing damaged bolts will be considered completely covered by the contract lump sum price for Heat Straightening.

Added

REPAIR PLAN

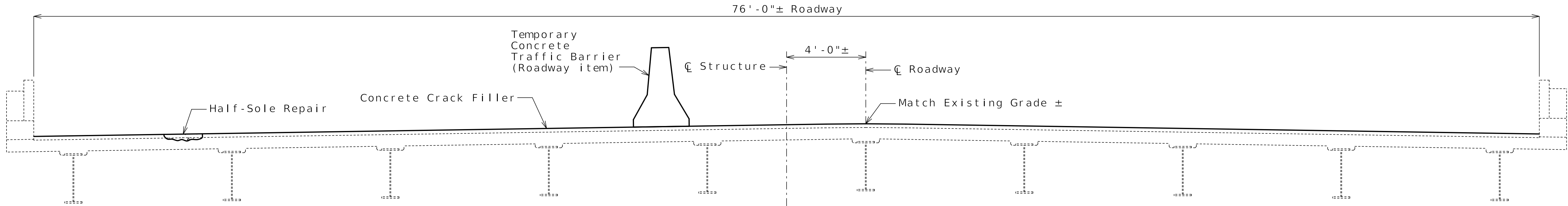
Detailed Apr. 2026
Checked May 2026

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

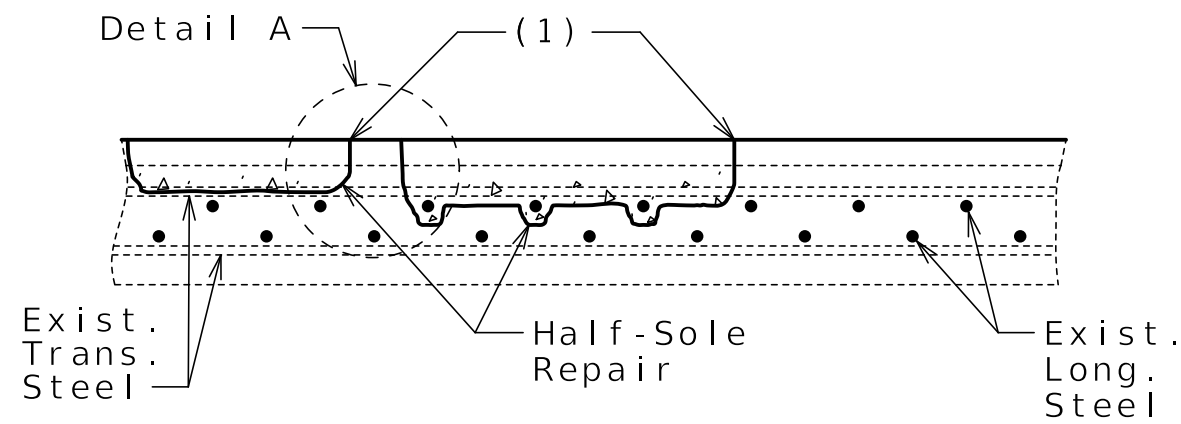
Sheet No. 2 of 7

8/31/26

U.I.P. AND REHABILITATE EXISTING (33'-55'-47'-27') CONTINUOUS COMPOSITE I-BEAM SPANS (SKEW: SQUARE)

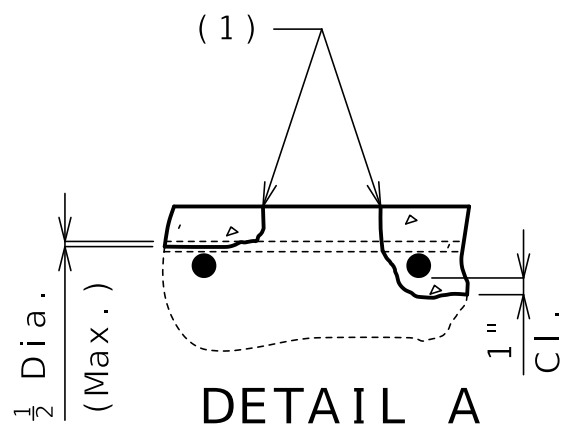


TYPICAL SECTION THRU EXISTING DECK

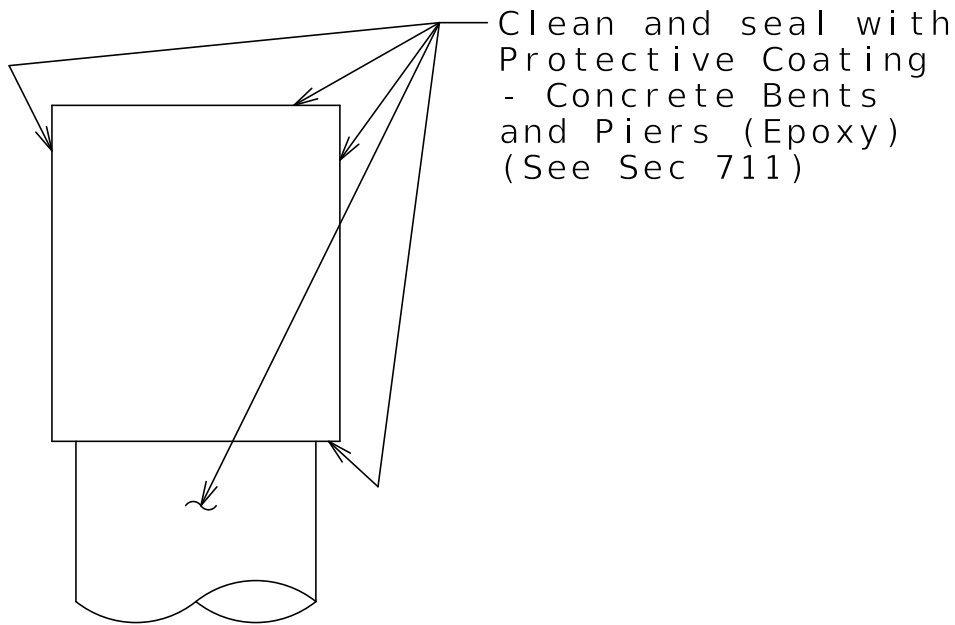


HALF-SOLE REPAIR

(1) 1" vertical side shall be established outside the deteriorated area.



Clearance around top bar and around bottom bar at the intersection of top bar shall be required when more than half the diameter of the top bar is exposed.



PART SECTION THRU SUBSTRUCTURE BEAM AT INTERMEDIATE BENTS NO. 2, 3 & 4 SHOWING PROTECTIVE COATING

Structural Steel Protective Coatings:

Protective Coating: System L in accordance with Sec 1081.

Prime Coat: The cost of the inorganic zinc prime coat will be considered completely covered by the contract unit price for the fabricated structural steel.

Field Coat(s): The color of the field coat(s) shall be Gray (Federal Standard #26373). The cost of the finish field coat will be considered completely covered by the contract unit price per sq. foot for Finish Field Coat (System L).

At the option of the contractor, the finish field coat may be applied in the shop. The contractor shall exercise extreme care during all phases of loading, hauling, handling, erection and pouring of the slab to minimize damage and shall be fully responsible for all repairs and cleaning of the coating systems as required by the engineer.

Estimated Quantities		
Item		Total
Removal of Existing Expansion Joint Seal or Sealant	linear foot	152
Removal of Steel Diaphragm	each	4
Half-Sole Repair	sq. foot	50
Concrete Crack Filler	sq. yard	1385
Protective Coating - Concrete Bents and Piers (Epoxy)	lump sum	1
Surface Preparation for Recoating Structural Steel	sq. foot	11,800
Field Application of Inorganic Zinc Primer	sq. foot	11,800
Finish Field Coat (System L)	sq. foot	11,800
Non-Destructive Testing	linear foot	200
Grind Surface Deformities	lump sum	1
Heat Straightening	lump sum	1
Open Cell Foam Joint Seal	linear foot	152

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications

Bridge Deck Rating = 7

Design Loading:

HS20-44 & Alternate Military (1973 & New Construction)

Miscellaneous:

All concrete repairs shall be in accordance with Sec 704, unless otherwise noted.

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

REPAIRS TO BRIDGE: ROUTE 1-70 WB OVER 5TH STREET

ROUTE 1-70 WB FROM MISSOURI RIVER TO ROUTE 94 ABOUT 1.1 MILES EAST OF ROUTE 94 BEGINNING STATION 1373+47.71± (Match Existing)

STATE OF MISSOURI
TRENTON B. CRAWFORD
NUMBER
PE-2012018053
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

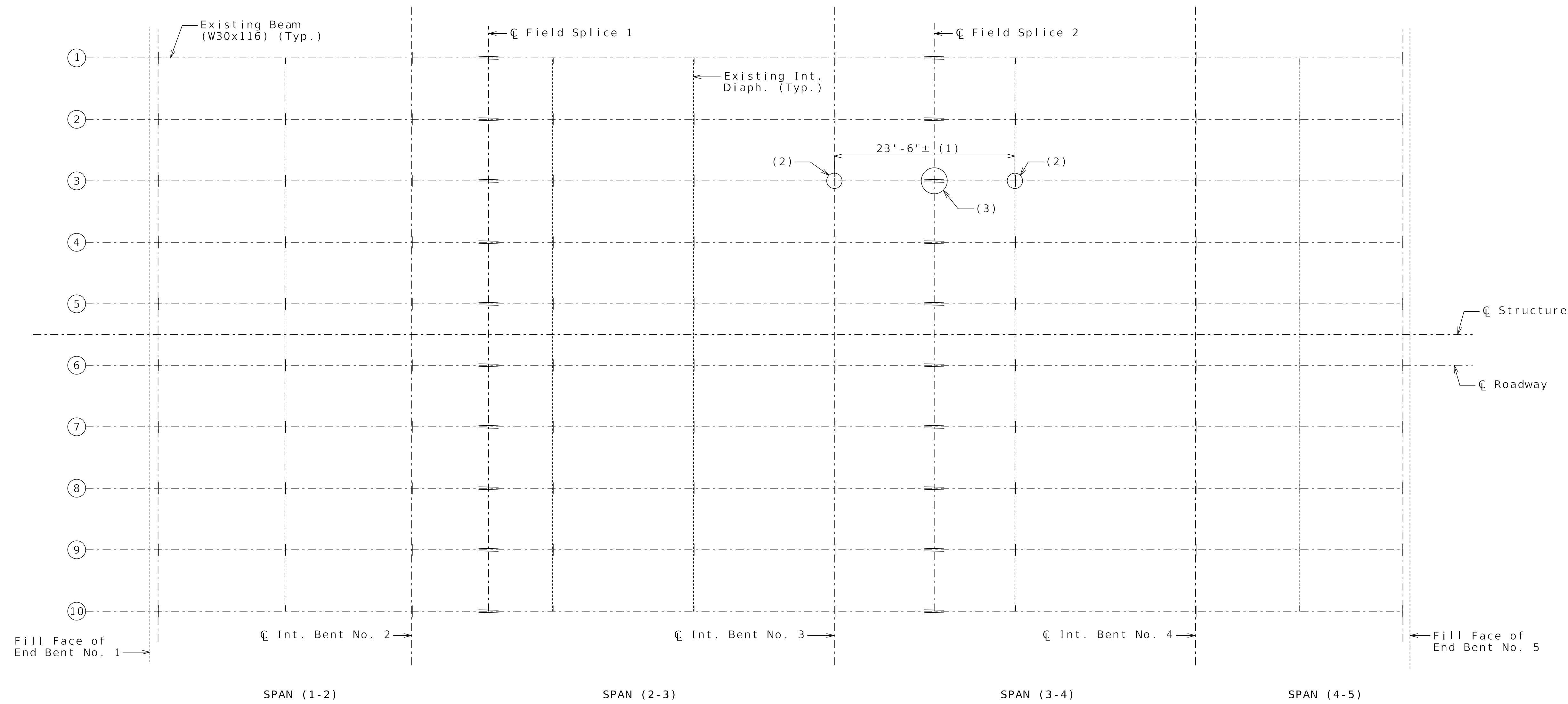
DATE PREPARED
8/31/2026
ROUTE
1-70
DISTRICT
BR
STATE
MO
SHEET NO.
1
COUNTY
ST. CHARLES
JOB NO.
JSL0305
CONTRACT ID.
PROJECT NO.
BRIDGE NO.
A35835

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



PART PLAN SHOWING ESTIMATED LOCATIONS OF REPAIRS

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Added

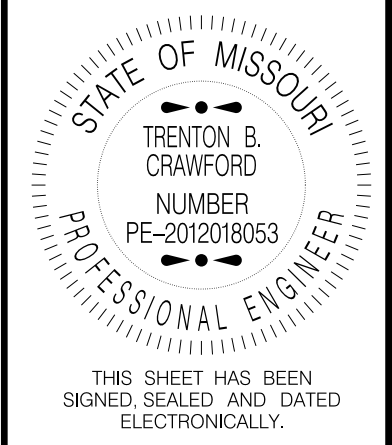
REPAIR PLAN

Detailed Apr. 2026
Checked May 2026

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

Sheet No. 2 of 4

8/31/26



DATE PREPARED 8/31/2026	
ROUTE 1 - 70	STATE MO
DISTRICT BR	SHEET NO. 2
COUNTY ST. CHARLES	
JOB NO. JSL0305	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A35835	

DESCRIPTION	DATE

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