

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 U.I.P. DUAL STRUCTURE (48'-55'-55'-38') CONTINUOUS COMPOSITE STEEL
 I-BEAM SPANS AND REPLACE EXPANSION BEARINGS AT END BENTS.

SUR 1906 TWP 40N RGE 6E



7-9-2012

DATE PREPARED
06/20/2012

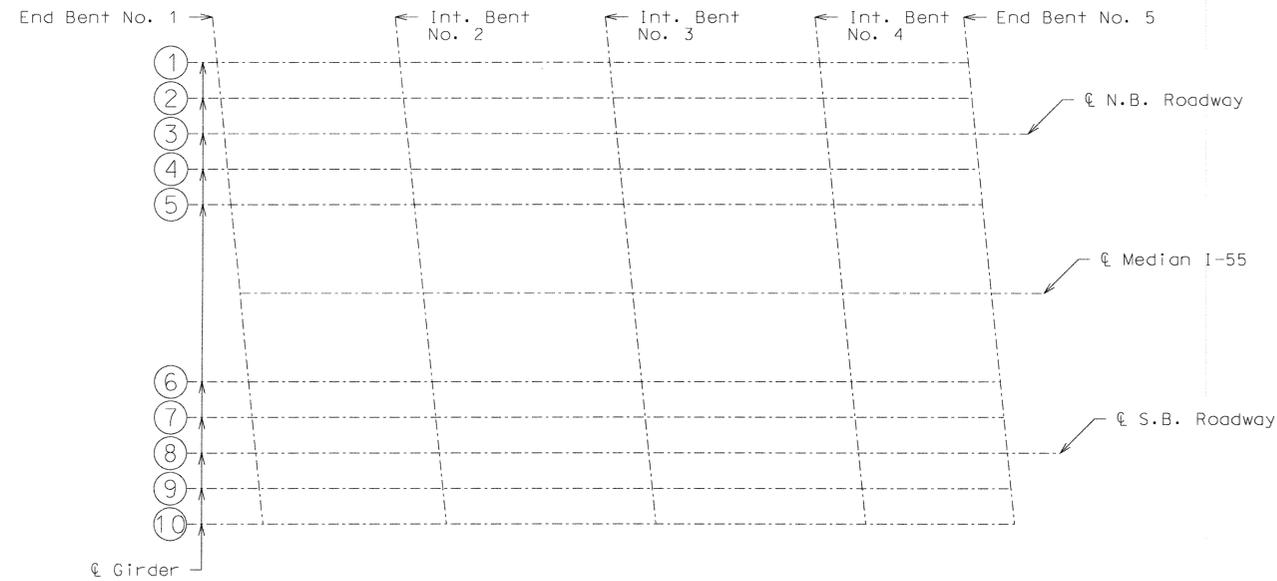
ROUTE I-55 STATE MO
 DISTRICT BR SHEET NO. 1

COUNTY JEFFERSON

JOB NO. J6P2354
 CONTRACT ID.

PROJECT NO.

BRIDGE NO. A0799



GIRDER LAYOUT

GENERAL NOTES:

Design Specifications:
 2002 - AASHTO 17th Edition
 Load Factor Design
 Seismic Performance Category B
 Acceleration Coefficient = 0.1

Design Loading:
 HS20-44 - Modified
 Military 24,000# Tandem Axle
 35#/Sq. Ft. Wearing Surface

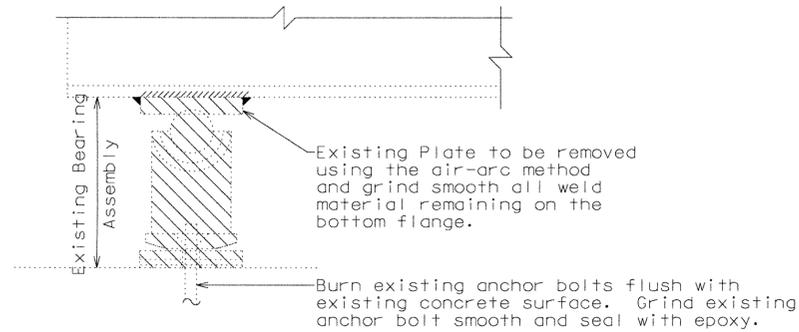
Design Unit Stresses:
 Existing Class B Concrete (Substructure) $f'c = 3,000$ psi
 Structural Carbon Steel (ASTM A709 Grade 36) $f_y = 36,000$ psi
 Anchor Rod (ASTM F1554 Grade 55) $f_y = 55,000$ psi

Fabricated Steel Connections:
 Field connections shall be made with $\frac{3}{4}$ " diameter high strength bolts and $\frac{13}{16}$ " diameter holes, except as noted.

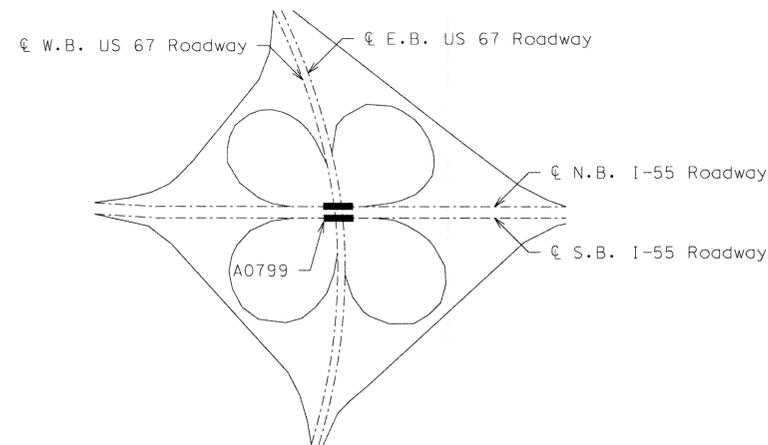
Miscellaneous:
 "Sec" refers to the sections in the standard and supplemental specifications unless specified otherwise.

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

Maximum Service Dead Load Reaction = 29.5 kips. Maximum Service Live Load Reaction = 86.2 kips, impact included.



EXISTING BEARING REMOVAL DETAIL



LOCATION SKETCH

Estimated Quantities		
Item	each	Total
Replace Expansion Bearings	20	

REPAIRS TO BRIDGE: INTERSTATE 55
 OVER U.S. ROUTE 67
 STATE ROAD INTERSTATE 55 AT
 U.S. ROUTE 67 JUNCTION
 ABOUT 1.1 MILES SOUTH OF ROUTE A NEAR FESTUS
 STA. 954+00.05

Designed: CBW
 Detailed: KAK
 Checked: TPL

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

Sheet No. 1 of 2

DESCRIPTION

DATE

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