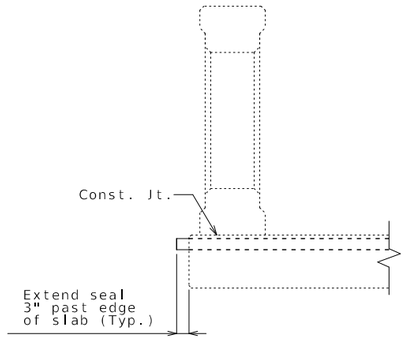
U.I.P. AND REHABILITATE EXISTING (55') PRESTRESSED I-GIRDER SPAN (5 @ 195') CONCRETE DECK WITH SPANDREL BEAMS ON OPEN SPANDREL CONCRETE ARCH SPANS (55') PRESTRESSED CONCRETE I-GIRDER SPAN (SKEW: SQUARE)

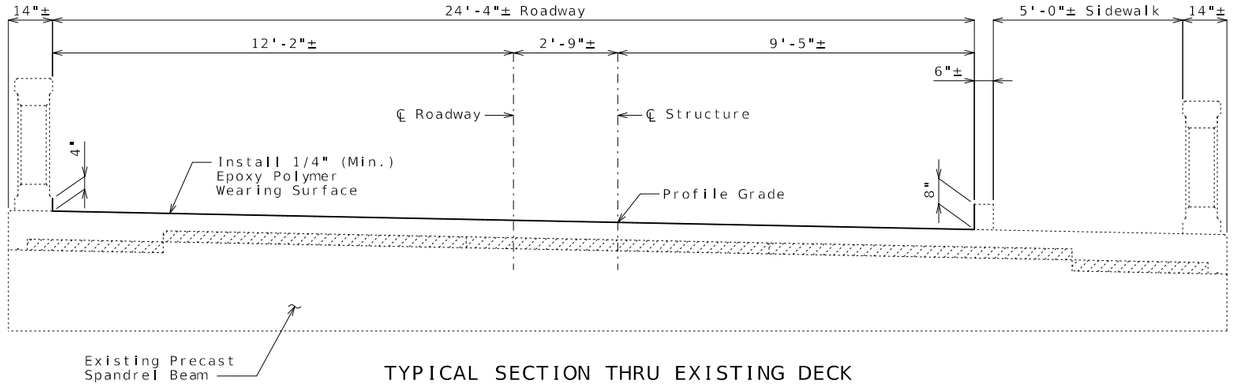
SEC/SUR 4 TWP 22N RGE 21W



SECTION THRU EDGE OF SLAB NEAR JOINT

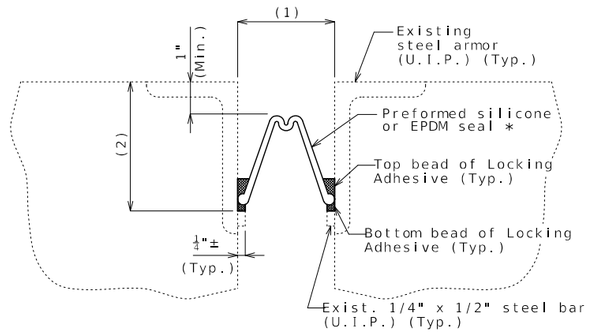
DETAIL OF SEAL

* Double hump seal shown in figure. Actual shape of seal may be double or single hump as per manufacturer.



TYPICAL SECTION THRU EXISTING DECK

(Spans (2-3) thru (6-7) shown, Spans (1-2) and (7-8) similar)



SECTION THRU JOINT AT INT. BENTS NO. 3 & 4

General Notes:

The seal shall be installed in joints in one continuous piece without field splices. Factory splicing will be permitted for joints in excess of 53 feet.

The installation temperature shall be taken as the actual air temperature averaged over the 24-hour period immediately preceding installation.

(1) Allowed installation gap (±) normal to joint at roadway surface (see table)

(2) Installation depth (±) per manufacturer's recommendation

Estimated Quantities

Item		Total
Removal of Existing Expansion Joint Seal or Sealant	linear foot	60
Epoxy Polymer Wearing Surface	sq. yard	3118
Substructure Repair (Formed)	sq. foot	113
Superstructure Repair (Unformed)	sq. foot	699
Protective Coating - Concrete Bents and Piers (Epoxy)	lump sum	1
Preformed Silicone or EPDM Expansion Joint Seal	linear foot	60

Allowed Transverse Preformed Silicone or EPDM Joint Seals

Manufacturer	Seal Name	Movement Parallel to Roadway	(1) Allowed Installation Gap Normal to Joint at Roadway Surface at Air/Surface Temperature				Type Used (✓)
			@ 40°F	@ 50°F	@ 60°F	@ 70°F	
Watson Bowman Acme Wabo (Preformed Silicone Joint Seal)	Wabo SPS-225	1 5/8"	2 1/4"	2 1/8"	2"	1 7/8"	☐
D S Brown (EPDM Joint Seal)	V-Seal V-300	1 5/8"	2 1/4"	2 1/8"	2"	1 7/8"	☐
R J Watson (Silicoflex Joint Seal)	Silicoflex SF225	1 5/8"	2 1/4"	2 1/8"	2"	1 7/8"	☐

MoDOT Construction personnel will indicate the type of seal used.

1 Added

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications
Bridge Deck Rating = 7

Design Loading:

HS20-44 Modified (New Construction)

Miscellaneous:

Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface (roadway item).

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

Polymer and aggregate shall be applied to bridge deck, 4" up baluster and 8" up curb. Aggregate shall be light colored.

The contractor shall exercise care to ensure spillage over joint edges is prevented and that a neat line is obtained along any terminating edge of the polymer wearing surface.

Traffic Handling:

Structure to be closed during construction. Traffic to be maintained on other routes during construction. See roadway plans for traffic control.

1 REVISED

REPAIRS TO BRIDGE: ROUTE 76 OVER LAKE TANEYCOMO (WHITE RIVER) & MNA RR

ROUTE 76 FROM ROUTE 65 TO ROUTE J
ABOUT 1.1 MILES EAST OF ROUTE 65
BEGINNING STATION 648+68.92± (Match Existing)

STATE OF MISSOURI
TED S. KOESTER
NUMBER PE-2013000591
PROFESSIONAL ENGINEER
Ted Koester
11/14/2024 11:19:12 AM
TED S. KOESTER - CIVIL
MO-PE-2013000591

DATE PREPARED 11/14/2024
ROUTE 76 | STATE MO
DISTRICT BR | SHEET NO. 1
COUNTY TANEY
JOB NO. JSR0053D
CONTRACT ID.
PROJECT NO.
BRIDGE NO. J07053

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Detailed Nov. 2024
Checked Nov. 2024

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