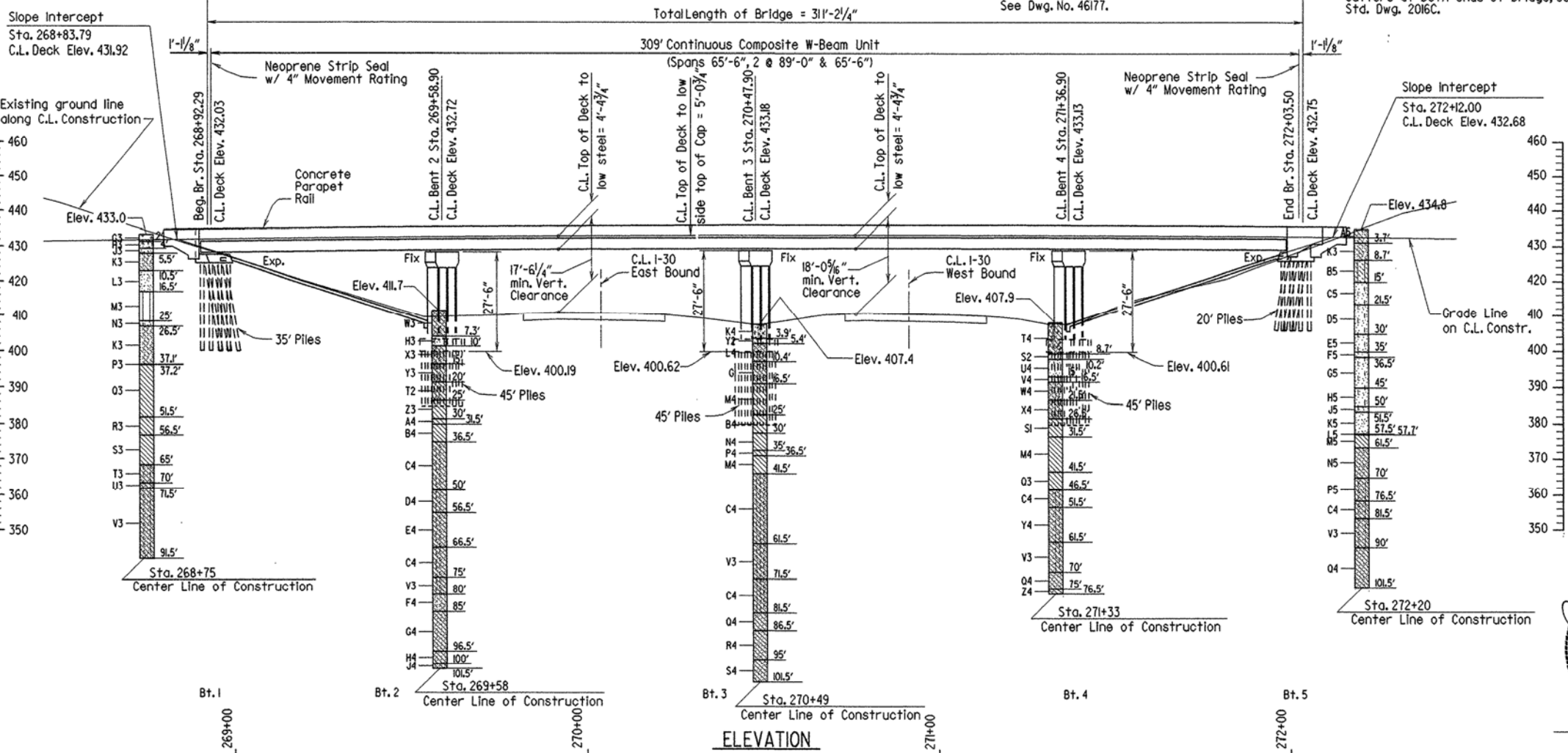
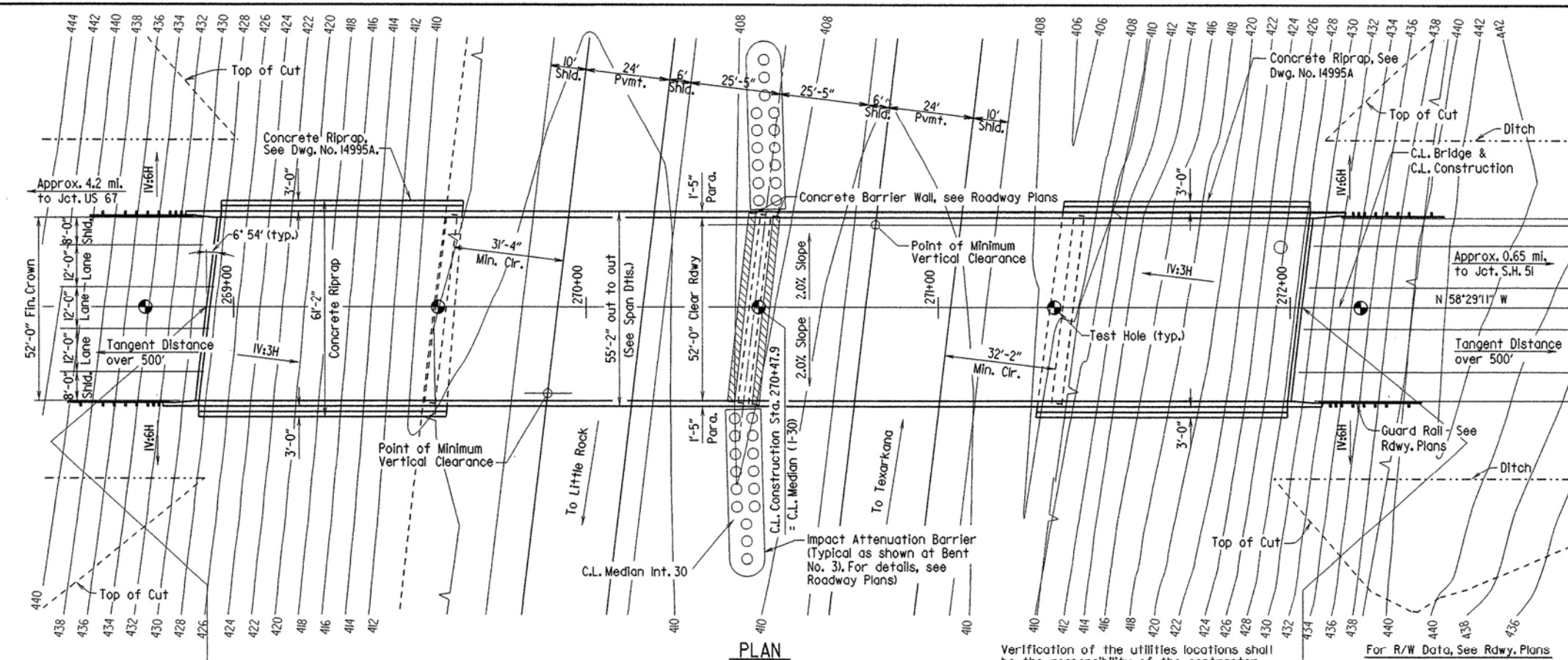


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		060900	132	380
						LAYOUT		46176



GENERAL NOTES

BENCH MARK: Cotton Picker Spindle In Combination Pole, 40.65' Rt. of Sta. 263+41.981, Elev. 396.66.

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction (2003 edition) with applicable supplemental specifications and special provisions. Unless otherwise noted on the plans, Section and Subsection refer to the Standard Construction Specifications.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Highway Bridges (2002 edition) with current Interim specifications.

LIVE LOADING: HS20 METHOD OF DESIGN: Load Factor

SEISMIC PERFORMANCE CATEGORY: A

MATERIALS AND STRENGTHS:

Substructure Concrete (Class S) $f'_c = 3,500$ psi
Superstructure Concrete (Class S(AE)) $f'_c = 4,000$ psi
Reinforcing Steel (AASHTO M 31 or M 53, Gr. 60) $f_y = 60,000$ psi
Structural Steel (AASHTO M 270, Gr. 36) $F_y = 36,000$ psi
Structural Steel (AASHTO M 270, Gr. 50) $F_y = 50,000$ psi

BORING LOGS: Boring logs may be obtained from the Programs and Contracts Division.

FOOTINGS: The top of the footings at bents 2 thru 4 shall be set a minimum of 2' below natural ground. Foundations for footings shall be prepared in accordance with Section 80L.

CONCRETE PILING: Piling for bents 1 thru 5 shall be 18" square precast concrete and shall be driven to a minimum safe bearing capacity of 60 tons per pile. All piling shall be driven with an approved air, steam or diesel hammer. Piling in end bents shall be driven after embankment to bottom of cap is in place and shall be driven to a minimum penetration of 15' below bottom of cap. Piles in intermediate bents shall be driven to a minimum penetration of 10' below bottom of footings. Lengths of piling shown are assumed for estimating quantities only. Actual lengths to be determined in the field. Drive one 40' test pile in Bent 1 and one 50' test pile in Bent 4.

Preboring as approved by the Engineer may be required to achieve the minimum penetration. Any cost for preboring shall be included in the items "Concrete Piling (18" Sq.)" and "Test Pile (18" Sq.)."

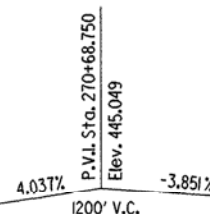
BRIDGE DECK: The concrete bridge deck shall be given a fine finish as specified for final finishing in Subsection 802.19 for Class 5 Tined Bridge Roadway Surface Finish.

PAINTING: All new structural steel except galvanized members, machined surfaces, and some surfaces in contact with concrete shall be painted as specified in Subsection 807.75. The color of the paint shall be Green and shall match the Federal Standard Color Chip No. 14109.

DETAIL DRAWINGS:
End Bents
Intermediate Bents
309'-0" Cont. Comp. W-Beam Unit
Elastomeric Bearings
Concrete Piling
Type C Approach Gutters
Concrete Riprap

DRAWING NO.
46178, 46179, 46184, 46185
46180 thru 46183
46186 thru 46191
46192 & 46193
2383
2016C
14995A

MAINTENANCE OF TRAFFIC: See SP Job 060900 "Special Safety Requirements for Bridge No. 06982" and Roadway Plans for maintenance of traffic details.

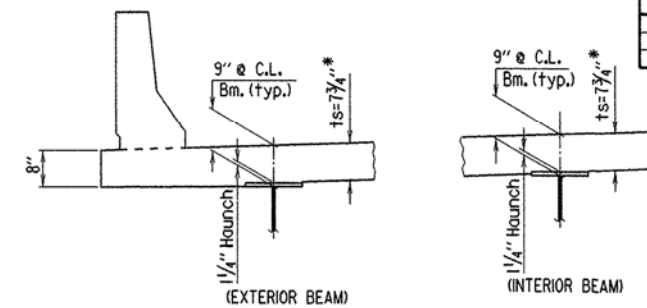
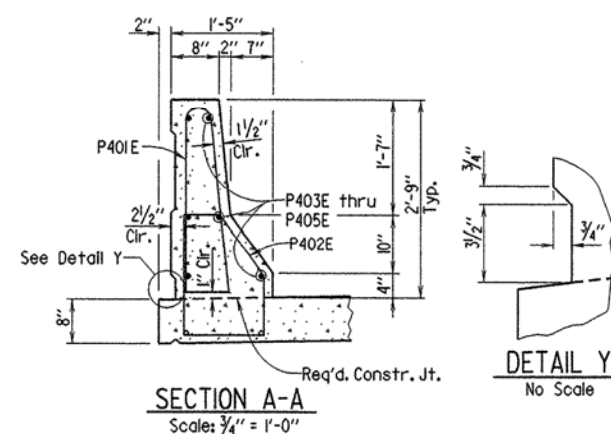
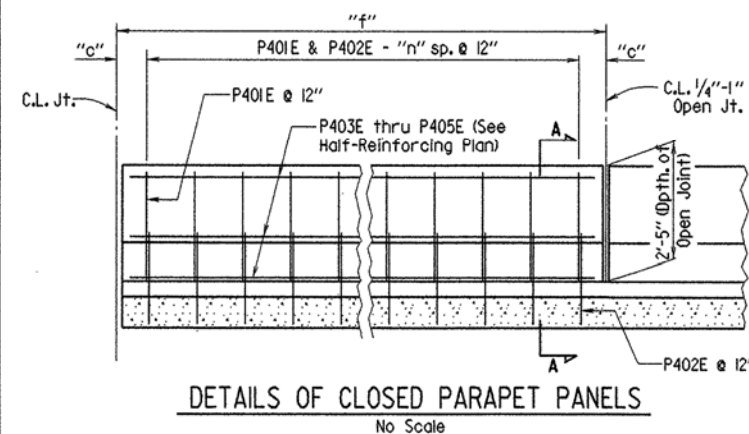
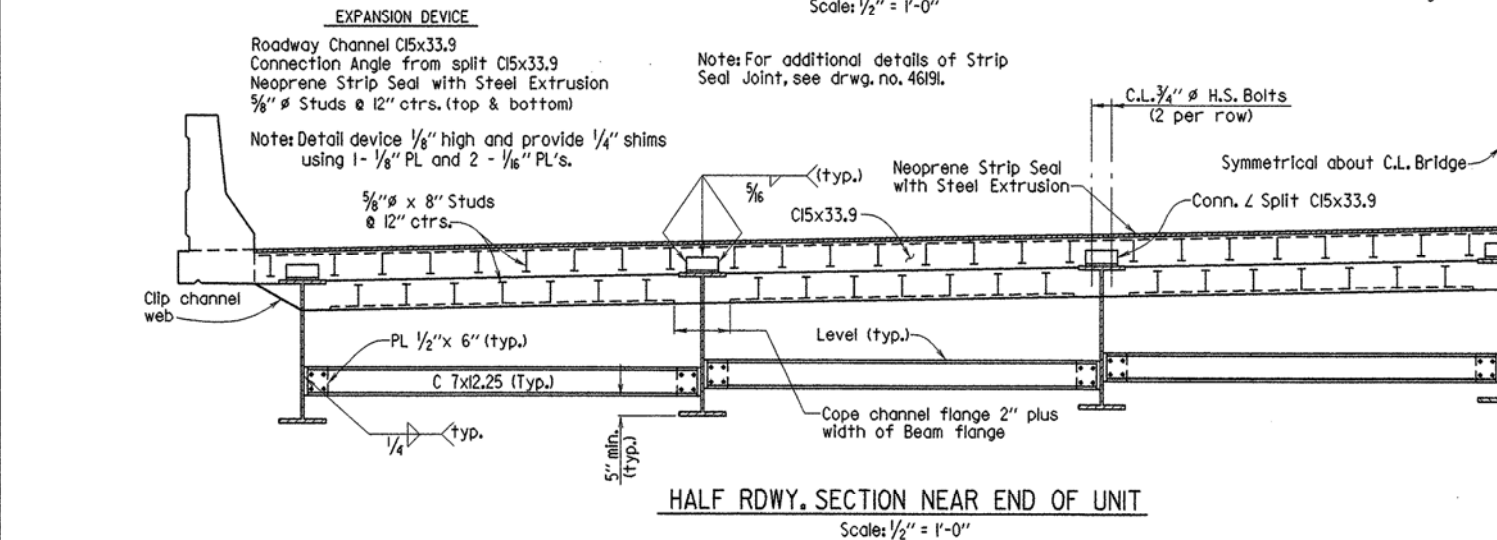
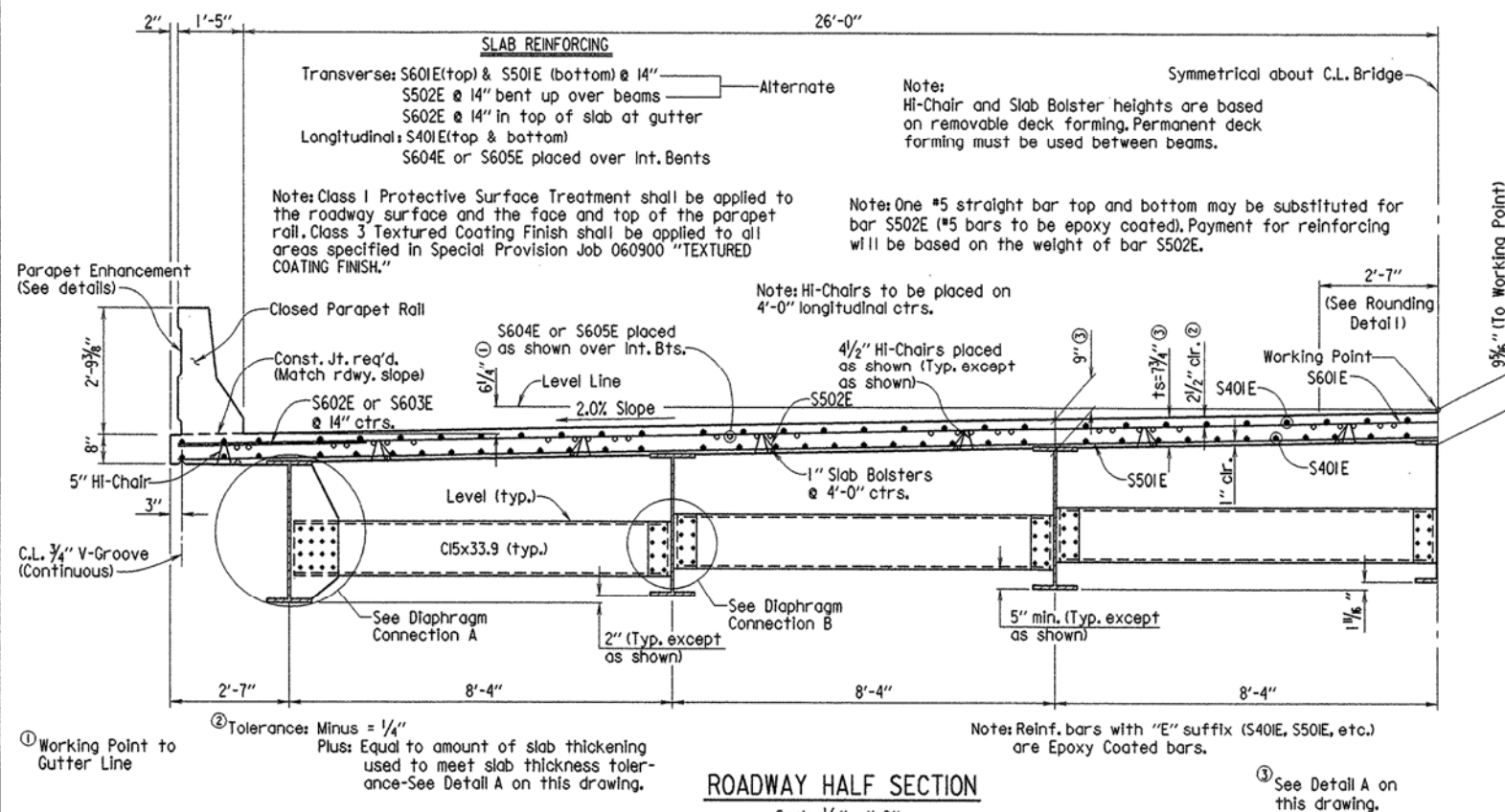


VERTICAL CURVE DATA
(Profile Grade located along C.L. Construction)



SHEET NO. 1 OF 2
LAYOUT OF
BRIDGE OVER I-30
HWY. 67 - I-30 (MALVERN BYPASS) (S)
HOT SPRING COUNTY
ROUTE 270 SEC. 7
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: JXJ DATE: 12-05-2002 FILENAME: 060900121
CHECKED BY: CAB DATE: 9-03 SCALE: 1" = 20'-0"
DESIGNED BY: JHS DATE: 11/02
BRIDGE NO. 06982 DRAWING NO. 46176

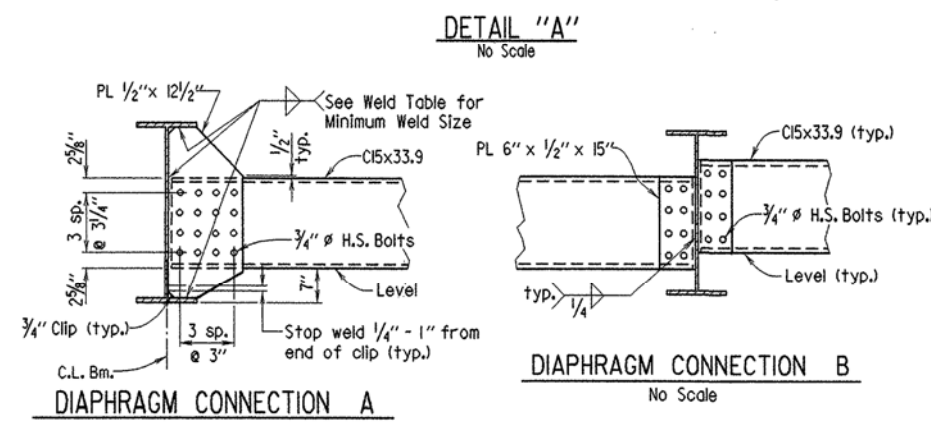
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		060900	142	380
				06982		SPAN DTLS.		46186



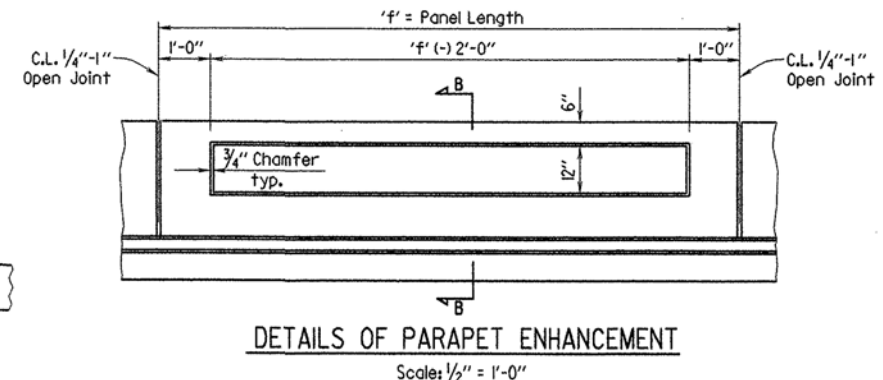
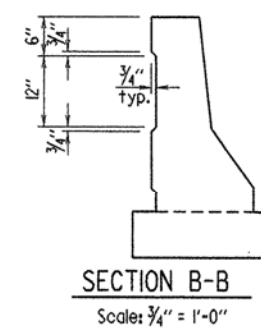
*Tolerance when removable deck forming is used is + 1/2", - 1/4". Haunch forming is required and shall be adjusted to maintain slab thickness tolerance.

NOTES:
 Haunch dimension may vary within the following limits to maintain the grade and slab thickness tolerance: Minimum - Occurs when top flange contacts bottom reinforcing steel: Maximum - Top flange thickness plus 1 3/4". No increase in concrete and structural steel quantities will be made to maintain tolerances.

See Std. Dwg. No. 14991 for tolerances for permanent steel deck forms. Payment for concrete shall be based on removable deck forming.



Note: For additional details of diaphragm connection at interior bents, see Drwg. No. 46187.



Note: For General Notes, see Drwg. No. 46189.

SHEET 1 OF 5
 DETAILS OF 309'-0" CONTINUOUS
 COMPOSITE W-BEAM UNIT
 BRIDGE OVER I-30
 HOT SPRING COUNTY

ROUTE 270 SEC. 7
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

DRAWN BY: KMG DATE: 29 MAY 03 FILENAME: b060900x2.s11
 CHECKED BY: JAC DATE: 8-21-03 SCALE: As Shown
 DESIGNED BY: RTH DATE: 05/03
 BRIDGE NO. 06982 DRAWING NO. 46186

