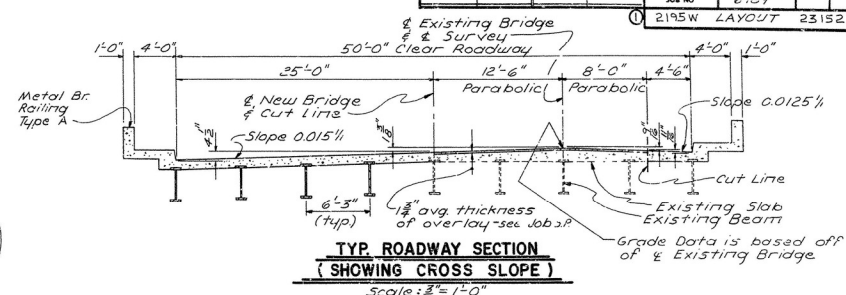
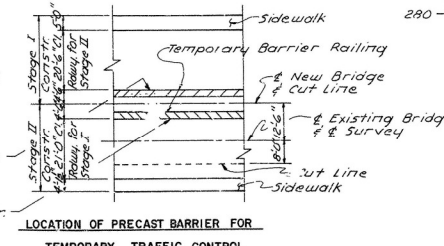


BT. NO. 22 ABUT. NO. 2 RET'G. WALL

ELEVATION

Location for Stage II Constr.

Location for Stage I Constr.



GENERAL NOTES

BENCH MARK: "X" CHISELED ON TOP S.W. CORNER MAID RAIL POST, 41' LT. STA. 166+50, ELEV. 271.89.

THE CONTRACTOR SHALL MAKE CHECK MEASUREMENTS OF THE EXISTING BRIDGE AND MAKE ADJUSTMENTS NECESSARY TO FIT THE NEW WORK TO THE EXISTING STRUCTURE.

ALL CONCRETE IN THE SUPERSTRUCTURE SHALL BE CLASS S(40). ALL CONCRETE IN THE SUBSTRUCTURE SHALL BE CLASS "S" AND SHALL BE POURED IN THE DRY. ALL EXPOSED CORNERS SHALL BE CHISELED 3/4" UNLESS OTHERWISE NOTED.

FINISHING CONCRETE SURFACES, THE CONTRACTOR SHALL USE A SPRAYED FINISH MEETING THE REQUIREMENTS OF 802.23. THE COLOR SHALL BE "WINTER WHITE." THIS FINISH SHALL ALSO BE APPLIED TO THE EXPOSED SURFACES OF EXISTING BENTS AND ABUTMENTS EXCEPT THE TOP SURFACE OF CAPS.

FOR DETAILS OF ABUTMENTS, SEE DWG. NOS. 23154 - 23156 & 23166 - 23168

FOR DETAILS OF INT. BENTS, SEE DWG. NOS. 23157 - 23165

FOR DETAILS OF SUPERSTRUCTURE, SEE DWG. NO. 23169 - 23189

FOR DETAILS OF RETAINING WALLS, SEE DWG. NO. 23190 - 23193

FOR DETAILS OF LUMINAIRES, SEE DWG. NOS. 23195 - 23197

SPECIFICATIONS: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 1978, AND APPLICABLE SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO 1977 SPECIFICATIONS WITH INTERIMS.

LIVE LOADING: HS20

METHOD OF DESIGN: LOAD FACTOR

UNIT STRESSES:

COMPRESSIVE STRENGTH OF CLASS S OR S(40) CONCRETE (H-10) = 3500 PSI

YIELD STRENGTH OF REINFORCING STEEL = 60,000 PSI

YIELD STRENGTH OF STRUCTURAL STEEL (A36) = 36,000 PSI

STAGE CONSTRUCTION: SEE SPECIAL PROVISION AND ROADWAY PLANS. DETAILS OF EXISTING BRIDGE TO BE WIDENED MAY BE OBTAINED FROM THE ARKANSAS STATE HIGHWAY & TRANSPORTATION DEPARTMENT BRIDGE ENGINEER.

- BORING LEGEND**
- A - Moist, Very Loose to Loose, Gray Clayey Sand with Gravel.
 - B - Moist, Dense, Gray Clayey Sand with Gravel.
 - C - Moist, Hard, Brown Clay with Thin Seams of Lignite.
 - D - Moist, Dense, Brown Sand with Thin Seams of Clay.
 - E - Moist, Very Loose, Brown to Gray Clayey Silt.
 - F - Moist, Dense, Gray Sand and Gravel.
 - G - Moist, Medium Dense, Gray Sand with Lignite.
 - H - Moist, Very Stiff, Gray Silty Clay with Lignite.
 - J - Dry to Moist, Dense, Brown to Gray Clayey Gravel.
 - K - Moist, Very Stiff, Gray Laminated Silty Clay with Thin Seams of Sand and Lignite.
 - L - Moist, Very Loose, Brown and Gray Sand.
 - M - Moist, Medium Dense, Gray Sand.
 - N - Moist, Loose, Gray Silty Sand.
 - P - Moist to Wet, Loose, Gray Clayey Sand.
 - Q - Moist, Hard, Brown Laminated Silty Clay with Thin Seams of Sand.
 - R - Moist, Dense, Reddish Brown Clayey Sand and Gravel.
 - S - Moist, Very Dense, Brown Laminated Sand with Thin Seams of Silty Clay and Lignite.

Revised Br Length: by J.R.S., date 3-25-80

SHEET 3 OF 3

LAYOUT OF R R OVERPASS

HWY. 270 R R OVERPASS WIDENING (MALVERN)

HOT SPRING COUNTY

ROUTE 270 SEC. 7

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

BRIDGE NO. 2195W DRAWING NO. 23152

DESIGNED BY: J.R.S. DATE: 11-7-78 SCALE: 1"=20'-0" or as noted

CHECKED BY: DATE: 5-8-80

DESIGNED BY: DATE: 5-8-80

BRIDGE ENGINEER