

GENERAL NOTES

BENCH MARK: "SQUARE" C/IT IN HUB RAIL, 491' LT. STA. 533+95.0, ELEV. 233.16.

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1977 EDITION WITH CURRENT INTERIMS.

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

DESIGN LIVE LOAD: HS 20-44

DESIGN METHOD: LOAD FACTOR

CONCRETE: CONCRETE IN THE SUBSTRUCTURE SHALL BE CLASS "S". CONCRETE IN THE SUPERSTRUCTURE SHALL BE CLASS "SAE". ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH, $f_c = 3500$ PSI, AND SHALL BE POURED IN THE DRY. EXPOSED CORNERS TO BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.

REINFORCING STEEL: REINFORCING STEEL SHALL CONFORM TO ASTM A615 OR A617, GRADE 60 ($f_y = 60,000$ PSI).


STRUCTURAL STEEL: STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 OR ASTM A572, GRADE 50 AS NOTED ON THE DETAIL DRAWING.

FOOTINGS: FOOTINGS FOR BENTS 2 THRU 4 SHALL BE SET A MINIMUM OF 1'-6" INTO MATERIAL DESIGNATED ON THE BORING LOGS AS MED. HARD TO HARD SHALE. FOUNDATIONS SHALL BE PREPARED IN ACCORDANCE WITH SUBSECTION 801.04 OF THE STANDARD SPECIFICATIONS. TOP OF FOOTING SHALL HAVE A MINIMUM COVER OF 1.0 FOOT.

CALCULATED FOUNDATION PRESSURES: MAXIMUM: 12.16 KSF (GROUP III)
MINIMUM: 1.19 KSF (GROUP III)

PILING: PILING IN BENTS 1 AND 5 SHALL BE HPY42 AND SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 55 TONS PER PILE, AND INTO MATERIAL DESIGNATED ON THE BORING LOGS AS MED. HARD SHALE. OR OTHER LENGTHS SHOWN, CUT-OUT OR BUILD-UP. SHALL BE PAID FOR IN ACCORDANCE WITH STANDARD SPECIFICATIONS. PILES 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.

FOR DETAILS OF END BENTS, SEE DWG. NOS. 26161 & 26162
FOR DETAILS OF INT. BENTS, SEE DWG. NO. 26163
FOR DETAILS OF 45'-0" COMPOSITE W-BEAM SPANS, SEE DWG. NOS. 26164 - 26166
FOR DETAILS OF STEEL PILING, SEE DWG. NO. 14995A

FOR DETAILS OF APPROACH GUTTERS, SEE DWG. NO. ~~19980-1 AND 19980-2~~ 1898J. 

DECK FINISH: THE ROADWAY SURFACE OF THE CONCRETE BRIDGE DECK SHALL BE GIVEN A TIME FINISH AS SPECIFIED FOR FINAL FINISHING IN SUBSECTION 802.23 FOR CLASS 6 ROADWAY SURFACE FINISH.

REMOVAL OF EXISTING BRIDGE: EXISTING BRIDGE NO. 2851 SHALL BE REMOVED AFTER THE NEW BRIDGE HAS EXISTED AND OPEN TO TRAFFIC, IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. BRIDGE NO. 2851 IS LOCATED AT LOG MILE 4.33 AND UPSTREAM FROM THE NEW BRIDGE. THE EXISTING 26' x 21' BRIDGE CONSISTS OF 8 CONCRETE SPANS SUPPORTED BY CONCRETE PIERS.

THE ABANDONED BRIDGE PIERS LOCATED DOWNSTREAM SHALL BE REMOVED IN ACCORDANCE WITH THE SPECIFICATIONS OR TO A GREATER EXTENT IF THEY SHOULD INTERFERE WITH NEW CONSTRUCTION WORK.

ALL MATERIAL FROM THE EXISTING BRIDGE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

LAYOUT OF
BRIDGE OVER COVE CREEK
JONES MILL - I-30
HOT SPRING COUNTY

ROUTE 51 SEC. 4

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: KMG DATE: 9/NOV/8
CHECKED BY: LJO DATE: 10/1/8
DESIGNED BY: LLS DATE: _____

SCALE: 1" = 20'

BRIDGE NO. 6024

DRAWING NO. 2646D

⚠ Revised Approach Gutter note
K.M.G. 16 Mar. 84

Local Products