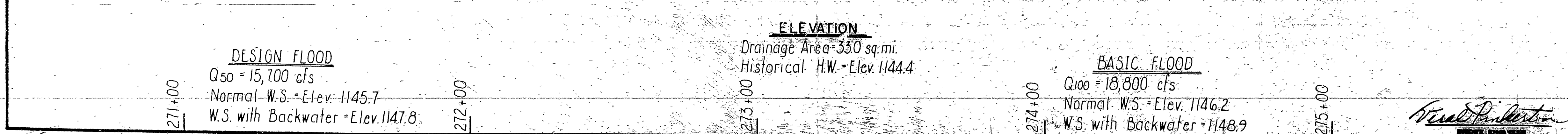
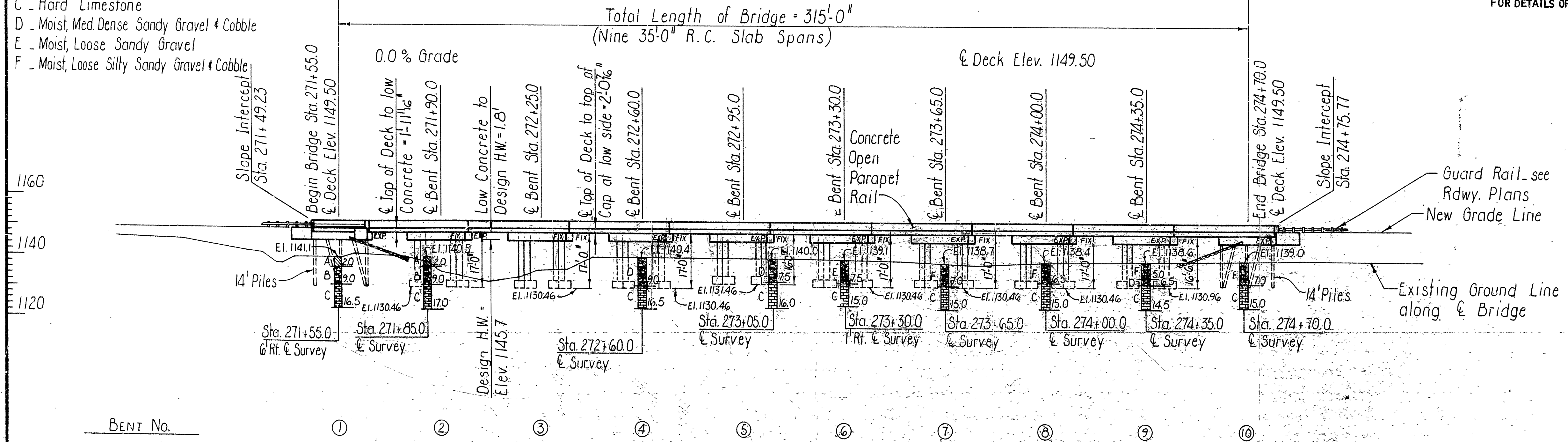


- BORING LEGEND**
- A - Moist, Stiff Clay
 - B - Moist, Dense Gravel & Cobble with Clay
 - C - Hard Limestone
 - D - Moist, Med. Dense Sandy Gravel & Cobble
 - E - Moist, Loose Sandy Gravel
 - F - Moist, Loose Silty Sandy Gravel & Cobble



DATE	DATE	DATE	DATE	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	HES-0025-249(1)		
							JOB NO. 1459	28 55

GENERAL NOTES:

BENCH MARK: N.I.S. TWIN 12" WALNUT, 33 FT. LT. CENTERLINE STA. 245+17, ELEV. 1164.63.

DESIGN SPECIFICATIONS: ARKSHO 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.

LIVE LOADING: HS20-44

METHOD OF DESIGN: LOAD FACTOR

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

ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 OR ASTM A617, GRADE 60.

TOP OF FOOTINGS SHALL HAVE A MINIMUM COVER OF 1'-0". FOOTINGS SHALL BE SET A MINIMUM OF 1'-0" INTO MATERIAL DESIGNATED AS ROCK (LIMESTONE) ON THE BORING LOGS. FOUNDATIONS FOR FOOTINGS SHALL BE PREPARED IN ACCORDANCE WITH SECTION 801.04 OF THE STANDARD SPECIFICATIONS.

FOUNDATION PRESSURES: MAXIMUM CALCULATED = 9.6 KSF (GROUP II).

ALL PILING SHALL BE HPI0X42 AND SHALL BE DRIVEN WITH AN APPROVED AIR, STEAM, OR DIESEL HAMMER TO A MINIMUM BEARING CAPACITY OF 55 TONS PER PILE AND INTO THE MATERIAL DESIGNATED AS LIMESTONE ON THE BORING LOGS. LENGTHS OF PILING SHOWN ARE FOR ESTIMATING QUANTITIES ONLY. ORDER LENGTHS SHOWN; CUT-OFF OR BUILD-UP, IF NECESSARY, TO BE PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

PILES IN END BENTS TO BE DRIVEN AFTER EMBANKMENT TO BOTTOM OF CAP IS IN PLACE.

THE ROADWAY SURFACE OF THE BRIDGE SHALL BE GIVEN A FINE FINISH AS SPECIFIED FOR FINAL FINISHING IN SUBSECTION 802.23 FOR CLASS 6, ROADWAY SURFACE FINISH.

FOR DETAILS OF END BENTS, SEE DWG. NO. 24351

FOR DETAILS OF INT. BENTS, SEE DWG. NO. 24352

FOR DETAILS OF SPANS, SEE DWG. NO. 24353.

REMOVAL OF EXISTING BRIDGE: AFTER THE NEW BRIDGE IS OPENED TO TRAFFIC, THE CONTRACTOR SHALL REMOVE EXISTING BRIDGE NO. 11784. THE EXISTING BRIDGE IS LOCATED APPROXIMATELY 650 FT. DOWNSTREAM OF THE NEW BRIDGE, AND CONSISTS OF STEEL I-BEAM AND REINFORCED CONCRETE SPANS ON CONCRETE SUBSTRUCTURE (TOTAL LENGTH OF 159 FT.). SEE SECTION 205 OF THE STANDARD SPECIFICATIONS.

SALVAGE: THE FOLLOWING MATERIAL SHALL BE SALVAGED FROM BRIDGE NO. 11784 AND SHALL BECOME THE PROPERTY OF THE STATE:

I-BEAMS - 8 @ 6" X 15" X 24'-0"

ALL OTHER MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

FOR DETAILS OF APPROACH GUTTERS, SEE DWG. NO. 1898J

LAYOUT OF
BRIDGE OVER OSAGE CREEK
TONTITOWN - NORTHWEST BR. & APPRS.
BENTON & WASHINGTON COUNTIES

ROUTE 112 SEC. 1 & 2

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: KMG DATE: 17 SEPT. 80

CHECKED BY: C.P.R. DATE: 2/27/81

DESIGNED BY: CES DATE: Dec. 80

BRIDGE NO. 5911 DRAWING NO. 24350

SCALE: 1" = 20'

