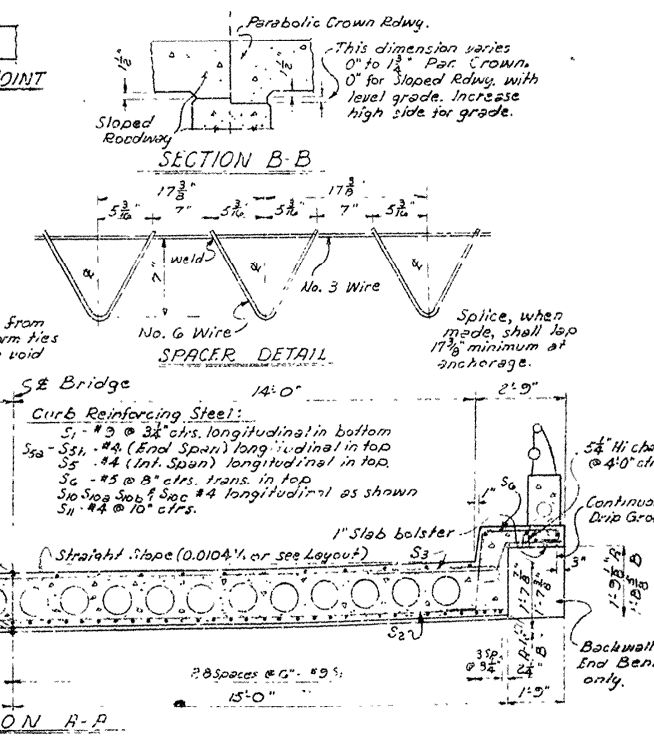


SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, Edition of 1959.



BAR LIST - EACH SPAN

RAIL TYPE	MARK	SIZE	NO./SPAN	END INT.	LENGTH	FIN. D.	RAIL TYPE	MARK	SIZE	NO./SPAN	END INT.	LENGTH	FIN. D.
A-O-B	S ₁	#9	G3	G3	27'-7"	Str.	P	S _{10a}	#4	2	-	1'-10"	Str.
	S ₂	#5	34	34	34'-5"	Str.		S _{10c}	#4	2	-	2'-8"	Str.
	S ₃	#3	23	23	36'-8"	2 1/2"		S ₁₁	#4	44	44	5'-11"	1 1/2"
	S ₄	#3	23	23	27'-7"	Str.		S ₁₂	#4	44	44	6'-2"	1 1/2"
	S ₅	#4	-	0	27'-7"	Str.		P0 ₅	#3	4	-	4'-7"	1 1/2"
Ssd.	#4	Each	-	28'-2"	Str.	Q	P0 ₂	#3	6	-	4'-5"	1 1/2"	
	Ssd.	#4	Each	-	to 26'-7"		Str.	P0 ₃	#5	4	-	6'-3"	1 1/2"
Ssd.	#4	Each	-	28'-2"	Str.	R	P0 ₄	#3	6	-	4'-2"	1 1/2"	
	Ssd.	#4	Each	-	to 29'-7"		Str.	S _{6a}	#5	84	84	5'-6"	1 1/2"
P	S ₆	#5	84	84	5'-5"	1 1/2"	Wash.	S _{12a}	#4	44	44	6'-3"	1 1/2"
	S ₇	#4	160	160	3'-1"	1 1/2"		P0 _{1a}	#6	60	60	3'-11"	2 1/2"
P-O-B	S ₈	#4	12	-	2'-2"	Str.	R	P0 _{2a}	#3	40	40	3'-1"	1 1/2"
	S ₉	#4	12	-	2'-5"	Str.		P0 ₅	#5	4	-	4'-1"	1 1/2"
P	S ₁₀	#4	-	4	18'-2"	Str.	R						
	S _{10a}	#4	4	4	15'-8"	Str.							

BENDING DIAGRAM
(Dimensions are to centers of bars)

The bending diagram illustrates the vertical and horizontal placement of reinforcement bars across different spans. Key dimensions include:

- Span 1: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).
- Span 2: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).
- Span 3: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).
- Span 4: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).
- Span 5: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).
- Span 6: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).
- Span 7: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).
- Span 8: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).
- Span 9: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).
- Span 10: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).
- Span 11: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).
- Span 12: 1'-10" (top), 4'-0" (bottom), 2'-2 1/2" (bottom), 2'-0" (bottom).

BRIDGE ENGINEER

*Revision . End Post Curve . To 7' - 0" for guard rail
attachment . Type 2 . 1968 . m.h.d. 50'
1st changed*

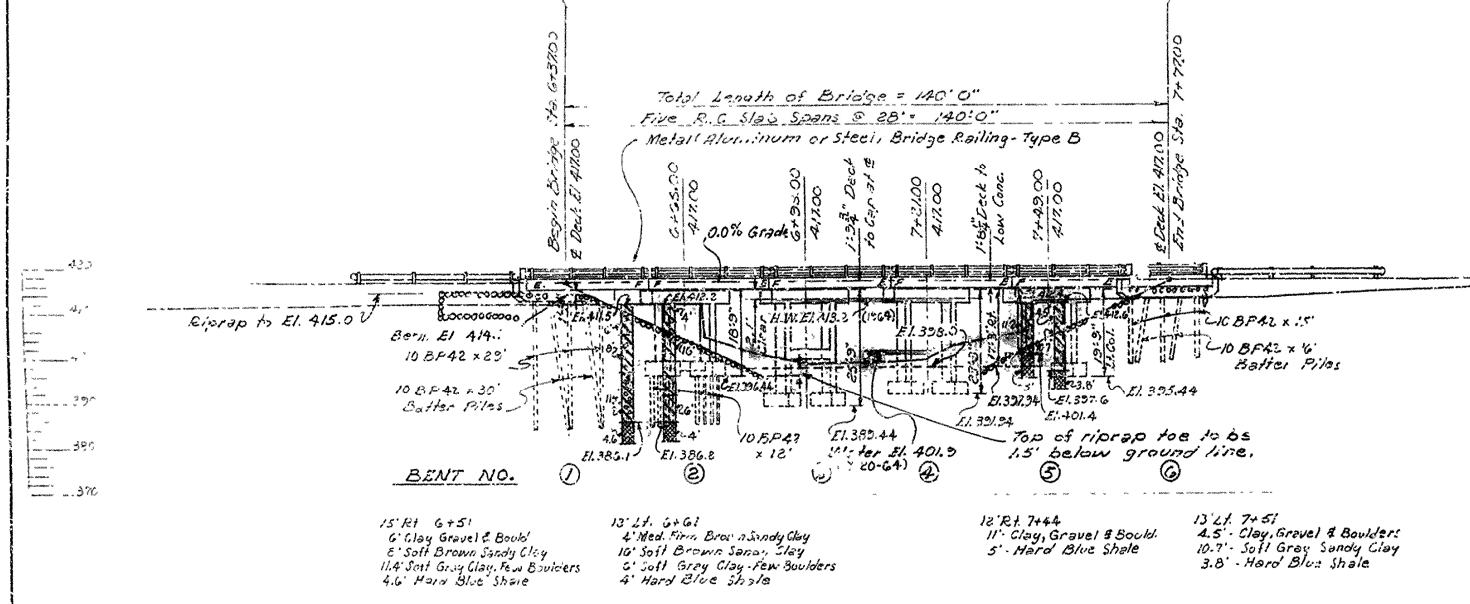
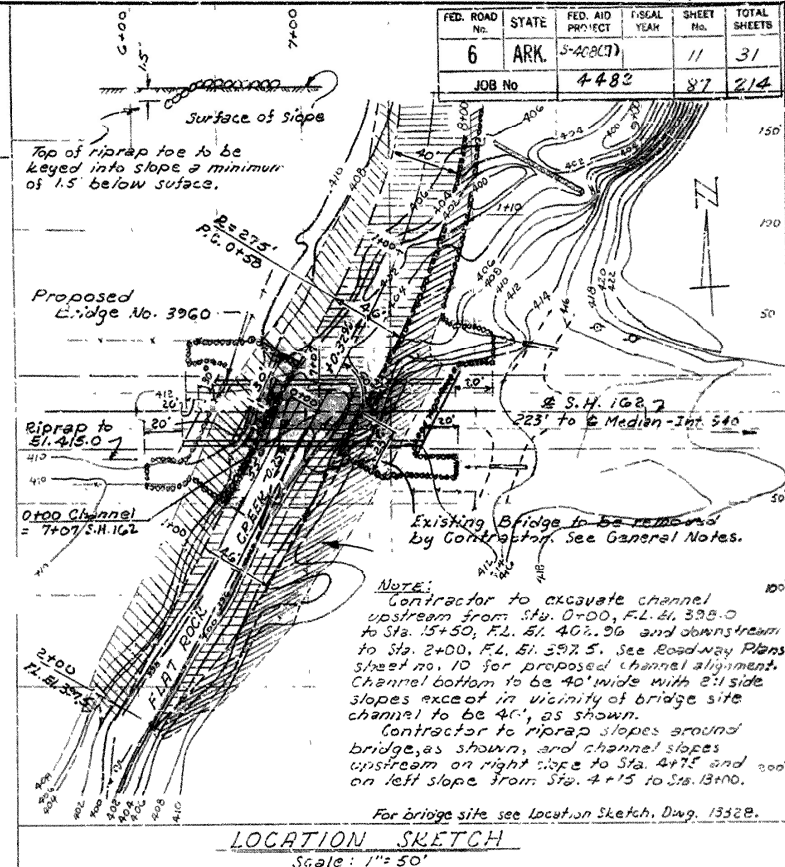
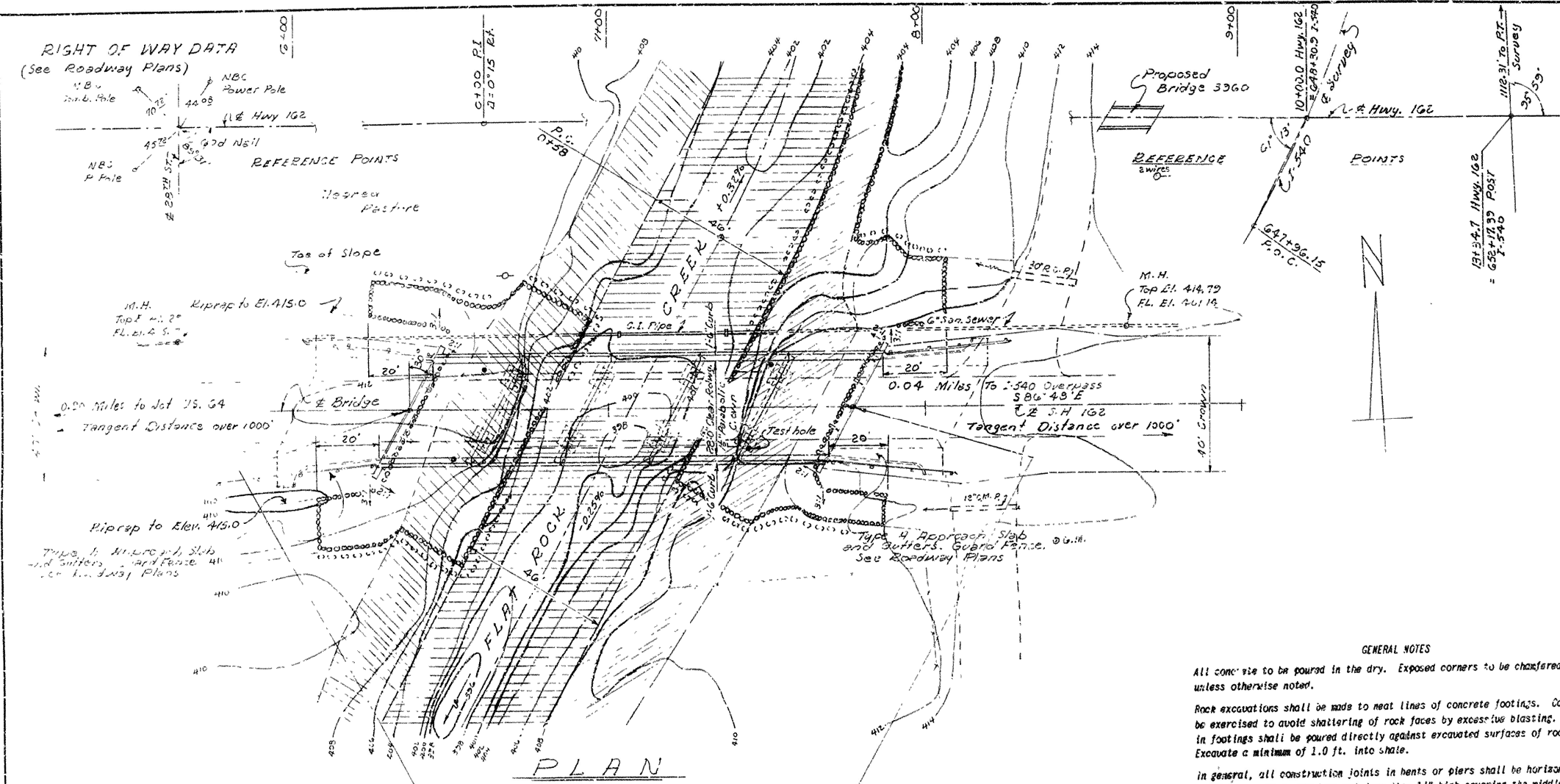
DETAILS OF STANDARD
28'-0" R.C. SLAB SPANS (WITH VOIDS)
30° LT. FWD. SKEW
28'-0 CLEAR ROADWAY 2 CURBS
*1'-7"
or 2'
1'-6"*

ROUTE 162 SEC. 1
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: J.E.H. DATE: 7-5-65
CHECKED BY: V.P. DATE: 8-27-65
SCALE: $\frac{3}{8} = 1'-0"$
Except as noted

BRIDGE NO. 396 D DRAWING NO. 15061A
FILED IN 3-3-153-150

FED. ROAD No.	STATE	FED. AID PROJECT	FISCAL YEAR	SHEET No.	TOTAL SHEETS
6	ARK.	5-408(7)		11	31
JOB No.		4482	87	214	



GENERAL NOTES

All concrete to be poured in the dry. Exposed corners to be chamfered 3/4" unless otherwise noted.

Rock excavations shall be made to neat lines of concrete footings. Care shall be exercised to avoid shattering of rock faces by excessive blasting. Concrete in footings shall be poured directly against excavated surfaces of rock. Excavate a minimum of 1.0 ft. into shale.

In general, all construction joints in bents or piers shall be horizontal and shall be provided with keys not less than 14" high covering the middle third of both dimensions.

All piling shall be 10" BP 42 and shall be driven with an approved air, steam or diesel hammer to a minimum capacity of 50 tons per pile and into the material designated as shale on the boring logs. Lengths of pile 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.

Contractor to remove existing concrete arch ring bridge approximately 77.5' long with 18' roadway. See Section 1006 of Standard Specifications.

Contractor to excavate channel as designated in location sketch.

Contractor to construct abutment bridge 50' down stream, approximately 120' long, deck elevation 415.0, 19' clear roadway, H-12 design loading. See Special Provisions 1008-1.

For Details of End Bents see Dwg. No. 5422H Rev.
For Details of Bents 2 & 5 see Dwg. No. 1733G
For Details of Bents 3 & 4 see Dwg. No. 5422J.
For Details of 26' H.C. Slab Spans see Dwg. No. 15061A.

SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, Edition of 1959, the 1966 Supplemental Specifications thereto and the designated Special Provisions.

DESIGN SPECIFICATIONS	AASHTO	1961
Live Loading:	H20	
Unit Stresses:	Class A Concrete (n=15)	840 psi
	Class S Concrete (n=10)	1,200 psi
	Reinforcing Steel	20,000 psi

**LAYOUT OF
BRIDGE OVER FLAT ROCK CREEK
ARKANSAS RIVER BRIDGE - JGT. 1-1
CRAWFORD COUNTY
ROUTE 162 SEC. 1**

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: J.E.H. DATE: 12-4-64
CHECKED BY: J.E.H. DATE: 2-27-65
BRIDGE NO. 3360 DRAWING NO. 13335

Calculated Foundation Pressure
Group I 5200 #/sq. ft.

Revisions:
Channel change F.L. lowered & riprap added. J.E.H. 2-26-66
Chk. T.L.L. 2-3-66

3. M. "X" cut in top N.E. Wing Wall (Existing Bridge)
Elev. 416.93.