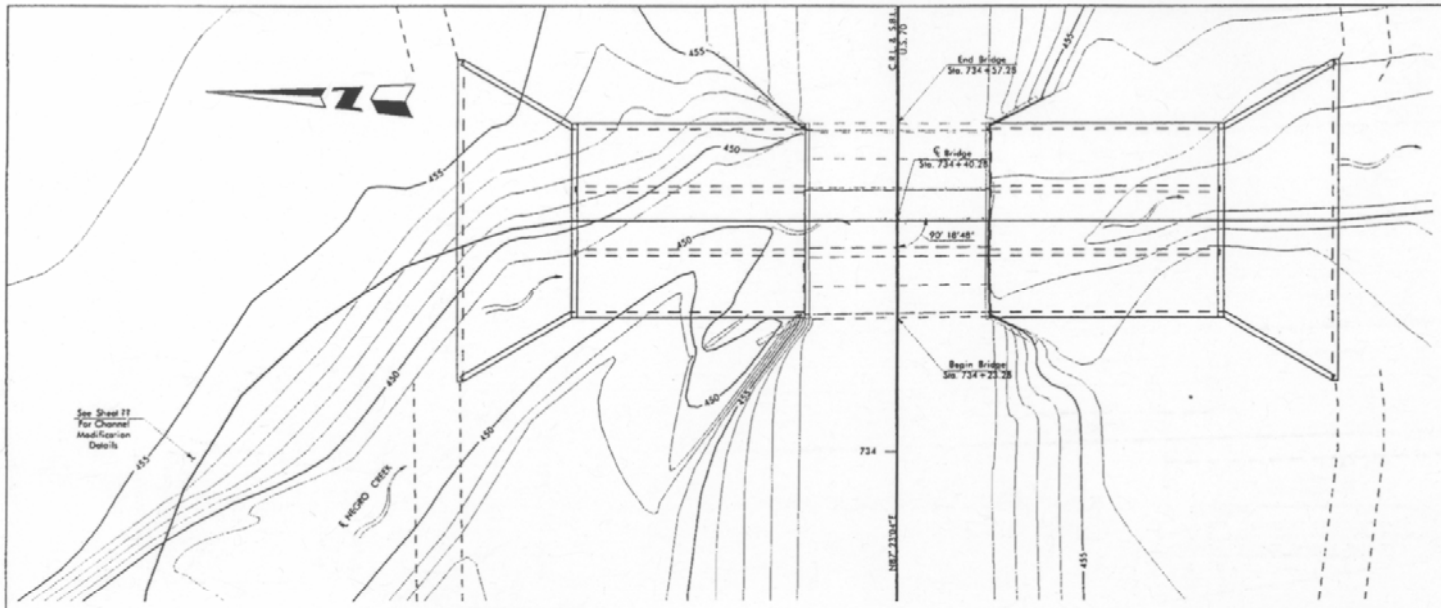


PLAN

BM 64 R.R. SPK. IN W-SIDE 10" ELM
STA. 728+46 439'RT. S.B.L. ELEV.= 460.27

BM 26 BOX ON S.E. WING BRIDGE
STA. 734+58 17.9'RT. S.B.L. ELEV.= 459.10

BM 65 R.R. SPK. IN W-SIDE 14" ELM
STA. 734+79 389'RT. S.B.L. ELEV.= 455.47

JOB NO.	PROJECT NO.	SHEET NO.	TOTAL SHEETS
2	JP-188S(05)	7	

INDEX OF SHEETS

SHEET NO.	TITLE
1-1	GENERAL NOTES & SUMMARY OF PAY QUANTITIES
1-2	R.C. BOX EXTENSION
1-3	DETAILS OF R.C. BOX EXTENSION
1-4	DETAILS OF CHANNEL MODIFICATION

DESIGN DATA

(LOAD AND RESISTANCE FACTOR DESIGN)

Class A Concrete — f'c = 3,000 p.s.i.
Reinforcing Steel — fy = 60,000 p.s.i.

Loading: HL-93 Or Oklahoma Overload Truck And 2.0 % Of Live Load Surcharge

Design: 2nd Edition of AASHTO Load And Resistance Factor Design Specifications With 1999, 2000, 2001 And 2002 Interims

LFD Operating Rating: HS-30

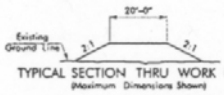
UTILITIES

Underground Telephone & Fiber Optic Lines Owned By Southwestern Bell Telephone Co.

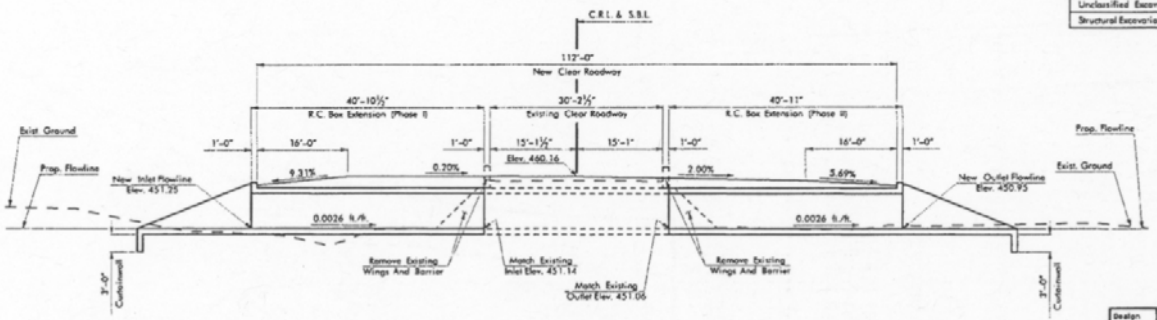
STANDARDS

SBI-3-002

ITEMIZED QUANTITIES				
ITEM	UNIT	PHASE I	PHASE II	TOTAL
Removal Of Culvert End	EACH	1	1	2
Class A Concrete	C.Y.	185.10	185.30	370.40
Reinforcing Steel	LB.	29978	29983	59961
Unclassified Excavation	C.Y.	313.40	276.30	589.70
Structural Excavation, Unclassified	C.Y.	76.70	76.80	153.50



TYPICAL SECTION THRU WORK ROAD
(Maximum Dimensions Shown)



ELEVATION

HYDRAULIC DATA

D.A. = 596 acres

Q10 = 564 cfs
V10 = 3.12 fps
CHW10 = 454.97 ft

Q50 = 850 cfs
V50 = 3.49 fps
CHW50 = 456.13 ft

Q100 = 1041 cfs
V100 = 3.70 fps
CHW100 = 456.83 ft

Q500 = 1260 cfs
V500 = 3.91 fps
CHW500 = 457.59 ft

Design	BRF	4-03
Drawn	WCN	4-03
Checked		
Approved		
Submit		

U.S. 70 OVER NEGRO CREEK — CHOCTAW COUNTY
BRIDGE "A"

R.C. BOX EXTENSION
3-10' x 6' x 30'-2½" CLEAR ROADWAY
EXTEND TO 112' CLEAR ROADWAY
AT CENTERLINE STATION 734+40.28

State Job No. JP-188S(05) Sheet No. 7

OKR2014381
OKLAHOMA DEPARTMENT OF TRANSPORTATION
GATES CREEK (LAKE RAYMOND GARY)
BRIDGE REPLACEMENT
ENCLOSURE 4 OF 5