

- LEGEND**
- BENCHMARK
 - PROPOSED TBSC SURFACING
 - PROPOSED RIP RAP
 - GUARDRAIL
- Benchmark - #4
Sta. 61+09.76, 179.78' L.L.
Ch. "X" on Wingwall
ELEV=814.77
N=298918
E=2409612
- Benchmark - #3
Sta. 64+86.84, 178.89' L.L.
800' In 12" Elm
ELEV=815.37
N=299271
E=2409612

AT&T
KYLE HUMBLE 918-596-4240

EAST CENTRAL OK ELEC. CO.
STEVE BEAM 918-756-0873

LEVEL 3 COMMUNICATIONS
CLINTON GRAY 918-547-3757

SPRINT FIBER OPTIC
NICK JENKINS 918-622-9483

DESCRIPTION	REVISIONS	DATE

SUMMARY OF QUANTITIES

DESCRIPTION	UNIT	SUPER	PIER	ABUT.	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	C.Y.			100	100
CLSM BACKFILL	C.Y.			56	56
PRESTRESSED CONCRETE BEAMS (TYPE III)	L.F.	448			448
APPROACH SLAB	S.Y.			115	115
SAW-CUT GROOVING	S.Y.	363.10		88.80	451.90
CONCRETE RAIL (TR3)	L.F.	303		53.60	356.60
STRUCTURAL STEEL	LB.	380			380
WEATHERING STEEL FIXED BEARING ASSEMBLY	EA.	6			6
WEATHERING STEEL EXPANSION BEARING ASSEM	EA.	6			6
ELASTOMERIC BEARING PADS	EA.	6			6
CLASS AA CONCRETE	C.Y.	134.60			134.60
CLASS A CONCRETE	C.Y.		19.90	39.20	59.10
REINFORCING STEEL	LB.	29,930	2,610	6,040	38,580
PILES, FURNISHED (HP 10x42)	L.F.			324	324
PILES, DRIVEN (HP 10x42)	L.F.			324	324
(PL) PILOT HOLES	L.F.			96	96
PILE SPLICE, H-PILE (NON-BIDDABLE)	EA.			1	1
DRILLED SHAFTS 48" DIAMETER	L.F.		108		108
TYPE I-A PLAIN RIPRAP	TON			1,163	1,163
TYPE I-A FILTER BLANKET	TON			124	124
6" PERFORATED PIPE UNDERDRAIN ROUND	L.F.			52	52
6" NON-PERF. PIPE UNDERDRAIN RND.	L.F.			40	40
REMOVAL OF EXISTING BRIDGE STRUCTURE	L. SUM				1
GUARDRAIL ANCHOR UNIT (TYPE D-BF)	EA.			4	4

BRIDGE 'A'

HYDRAULIC DATA

D.A. = 63.91	SQ. MI.	Q100 = 18,700	CFS
		V100 = 7.88	FPS
		CHW100 = 819.27	FT
Q10 = 7,970	CFS	CONT. SCOUR DEPTH = 0.00	FT
V10 = 6.14	FPS	PIER SCOUR DEPTH = 5.59	FT
CHW10 = 815.94	FT	TOTAL SCOUR DEPTH = 5.59	FT
Q25 = 12,100	CFS	QOT (13.4 YR) = 8897	CFS
V25 = 8.04	FPS	VOT (13.4 YR) = 6.57	FPS
CHW25 = 817.41	FT	CHWOT (13.4 YR) = 816.27	FT (RDY)

LOAD AND RESISTANCE FACTOR DESIGN DATA

CLASS AA CONCRETE	f'c = 4 KSI
CLASS A CONCRETE	f'c = 3 KSI
REINFORCING STEEL, AASHTO M 31(GRADE 60)	fy = 60 KSI
STRUCTURAL STEEL, AASHTO M 270 (GRADE 50W)	fy = 50 KSI

BRIDGE "A" CRL STA. 62+24.34 CONSTRUCT
65'-85' TYPE III PC BEAM SPANS,
26'-0" CLEAR ROADWAY, W/TR-3 CONCRETE RAILS
AND APPROACH SLABS. LOW BEAM ELEV. = 816.33

Ex. Bridge Data: CL Sta. 61+39.05
72' Pony Truss 14' Clear Roadway
Low Beam Elev. = 815.46

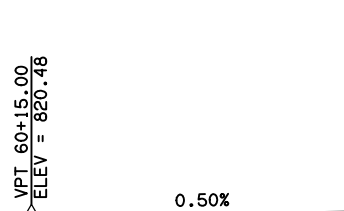
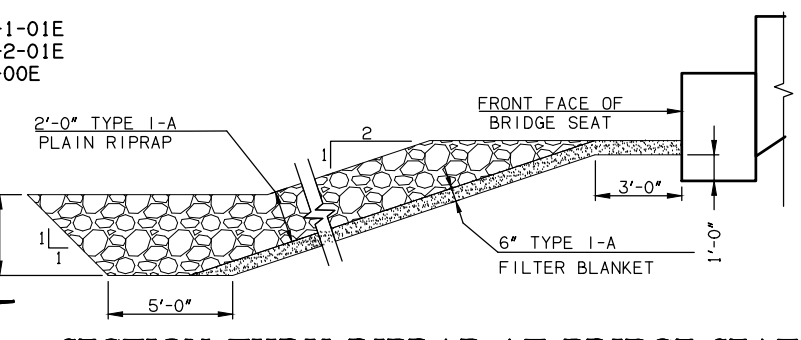
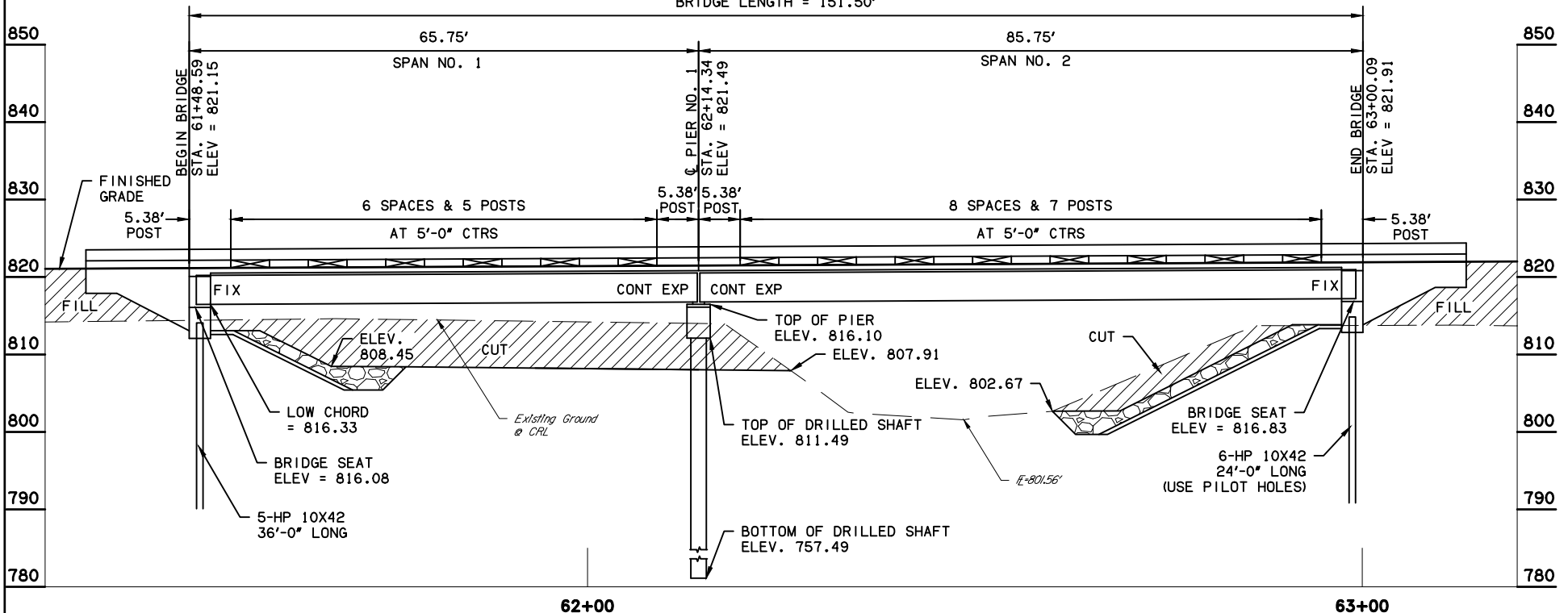
STANDARDS

- CB26-I-SKO-ABUT-PC3-01E
- CB26-I-SKO-XSECT-PC234-01E
- CB26-I-SKO-LSECT-PCB-01E
- CB26-I-SKO-DKSLB-BLIST-PCB-01E
- CB26-I-SKO-PCB-111-65-01E
- CB26-I-SKO-PCB-111-85-01E
- CB26-I-SKO-DIA-ABUT-PC3-01E
- CB26-I-SKO-DIA-INTPR-PCB-01E
- CB26-I-SKO-BRG-PC3-01E
- CB26-I-SKO-SPR-QUAN-PCB-1-01E
- CB26-I-SKO-SPR-QUAN-PCB-2-01E
- CB26-I-SKO-AS-01E
- CB26..32-I-SKO-WING-PC3-01E
- CB26..32-I-SKO-ABUT-MISC-01E
- CB26..32-C..I-SKO..30-PCB-DTL-1-01E
- CB26..32-C..I-SKO..30-PCB-DTL-2-01E
- CB26..32-C..I-SKO..30-GRAU-BC-00E
- HP1-2-00E
- TR3-2-01E
- PUD-3-2

LOADING: HL-93 AND 20 P.S.F. FUTURE WEARING SURFACE,
5 P.S.F. STAY-IN-PLACE FORMS.
DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH EDITION WITH
2010 INTERIM, EXCEPT AS MODIFIED BY CURRENT ODOT BRIDGE DIVISION
DESIGN POLICIES.
ANSI / AASHTO / AWS D1.5 BRIDGE WELDING CODE
LFD OPERATING RATING: HS 38.2

ABUTMENTS (HP 10 X 42 PILING)

FACTORED PILE REACTION = 78 TONS/PILE ABUTMENT NO. 1
FACTORED PILE REACTION = 73.5 TONS/PILE ABUTMENT NO. 2
ALL ABUTMENT PILING SHALL BE DRIVEN THROUGH THE COMPACTED FILL. PILING SHALL BE
DRIVEN TO POINT BEARING ON SOLID FOUNDATION MATERIAL AT THE APPROXIMATE
ELEVATION SHOWN ON THE PLANS. IF THE ULTIMATE REQUIRED CAPACITY IS NOT OBTAINED
AT THIS ELEVATION, DRIVING SHALL CONTINUE UNTIL THE REQUIRED ULTIMATE PILE CAPACITY
IS OBTAINED. THE LENGTH OF STEEL PILING SHOWN ON THE PLANS IS FOR ESTIMATING
PURPOSES ONLY.



BR. 181A OVER LITTLE DEEP FORK CREEK COUNTY

GENERAL PLAN AND ELEVATION

65'-85' TYPE III PC BEAM BRIDGE, 26'-0" CLR RDWY,
W/TR-3 CONCRETE RAILS AND APPROACH SLABS

Design	BSF	07/17
Detail	BLP	07/17
Check	JRW	07/17
Squad	GUY	
Engr.	GUY	

STATE OF OKLAHOMA GUY ENGINEERING SERVICES, INC.
JOB PIECE NO. 29407(04) SHEET NO. B001