

GENERAL BRIDGE NOTES:

COMPLY WITH THE REQUIREMENTS OF THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS OR SPECIAL PROVISIONS.

THE 6" PERFORATED PIPE UNDERDRAIN ROUND AND THE 6" NON-PERFORATED PIPE UNDERDRAIN ROUND, AS SHOWN ON THE STANDARDS, SHALL NOT BE INSTALLED.

PLACE 2" VENT PIPE IN THE DECK SLAB BETWEEN EACH BEAM IN EACH SPAN. TOTAL 3.0 EACH VENTS. COST TO BE INCLUDED IN COST OF CLASS AA CONCRETE.

ABUTMENT PILING CAPACITY:

THE REQUIRED ULTIMATE PILE CAPACITY FOR HP 12X53 IS 67.2 TONS/PILE.

THE REQUIRED ULTIMATE PILE CAPACITY FOR HP 10X42 IS 67.28 TONS/PILE.

THE LENGTH OF STEEL PILING SHOWN ON THE PLANS IS FOR ESTIMATING PURPOSES ONLY.

ANCHOR BOLTS:

SIZING: THE MINIMUM REQUIREMENT FOR ANCHOR BOLT SIZE AND LENGTH (FIXED OR EXPANSION BEARING) IS 1/2" DIAMETER BOLT - SET 15" MINIMUM INTO CONCRETE.

BRIDGE PAY ITEM NOTES:

(1) PAYMENT FOR PAY ITEMS WILL BE BASED ON PLAN QUANTITIES ACCORDING TO SECTION 109.01(b) OF THE STANDARD SPECIFICATIONS.

(2) THE "HAUL AND ERECT STEEL BEAMS" SHALL CONSIST OF:

a) THE LOADING, HAULING, AND ERECTING IN PLACE OF 40 EACH W33X141. THE BEAMS ARE TO BE LOADED AND HAULED FROM THE SE *3 CED YARD, LOCATED AT 203 PEPSI COLA AVE., HUGO, OK 74743. THE BEAMS TO BE USED ARE MARKED:

E11J E11.2 E11.3 E11.4

b) THE CUTTING OF THE BEAMS TO FIT AND REMOVING THE EXTRA TOP PLATES AS DIRECTED BY THE ENGINEER.

c) THE CLEANING AND PAINTING OF THE 40 EACH W33X141 BEAMS AS DIRECTED BY THE ENGINEER AND ALL RUST SPOTS SHALL HAVE ALL OF THE RUST REMOVED.

d) ATTACHING THE BEARING STIFFENERS AND SHEAR CONNECTORS AS DIRECTED BY THE ENGINEER.

(3) THE "REMOVAL OF EXISTING BRIDGE STRUCTURE" SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF 40.03' LONG STEEL STRINGER, GIRDER SPAN X 16' WIDE SINGLE LANE WOODEN DECK AT APPROXIMATE CENTERLINE STA. 7+80.25 IN ACCORDANCE WITH SECTION 619.04(b)2 OF THE STANDARD SPECIFICATIONS AND IN A MANNER APPROVED BY THE ENGINEER. EXISTING BRIDGE MATERIAL SHALL BE STACKED IN AN USEABLE MANNER ON THE RIGHT-OF-WAY AND BECOME THE PROPERTY OF THE COUNTY.

(4) 18" RIPRAP ESTIMATED AT 120 LBS PER C.F.

29925(04) SUMMARY OF PAY QUANTITIES			
0200 BRIDGE 60' ROLLED BEAM SPANS, 26'-0" CL RDWY, TR3-2			
ITEM NO.	DESCRIPTION	UNIT	QUANT.
501(B)	1307 SUBSTRUCTURE EXCAVATION COMMON	(1) CY	168.00
501(G)	6309 CLSM BACKFILL	(1) CY	64.00
504(B)	1305 SAW-CUT GROOVING	(1) SY	152.00
504(C)	6250 SEALED EXPANSION JOINT	LF	66.12
504(D)	6239 CONCRETE RAIL (TR3)	(1) LF	178.40
506(A)	1322 STRUCTURAL STEEL	(1) LB.	7836.00
507(A)	6172 WEATHERING STEEL FIXED BEARING ASSEMBLY	(1) EA	4.00
507(B)	6176 WEATHERING STEEL EXPANSION BEARING ASSEMBLY	(1) EA	4.00
509(A)	1326 CLASS AA CONCRETE	(1) CY	46.30
509(B)	1328 CLASS A CONCRETE	(1) CY	62.80
511(A)	1332 REINFORCING STEEL	(1) LB.	19,920.00
514(A)	6010 PILES, FURNISHED (HP 10X42)	LF	122.20
514(A)	6011 PILES, FURNISHED (HP 12X53)	LF	272.95
514(B)	6292 PILES, DRIVEN (HP 10X42)	LF	122.20
514(B)	6294 PILES, DRIVEN (HP 12X53)	LF	272.95
514(K)	6260 (PL)PILOT HOLES	LF	367.15
514(L)	6220 PILE SPLICE, H-PILE (NON-BIDDABLE)	EA	1.00
535	6225 HAUL AND ERECT STEEL BEAMS	(1)(2) LSUM	1.00
601(B)	1353 TYPE I-A PLAIN RIPRAP	(4) TON	613.00
601(I)	6312 FILTER BLANKET (RIPRAP)	SY	757.00
619(D)	1397 REMOVAL OF EXISTING BRIDGE STRUCTURE	(1)(3) LSUM	1.00

29925(04) PAY QUANTITIES			
0600 STAKING			
ITEM NO.	DESCRIPTION	UNIT	QUANT.
642(B)	0096 CONSTRUCTION STAKING LEVEL II	LSUM	1.00

SUMMARY OF GUARD RAIL							
LOCATION		Anchor Units			Total Panel Length Including Anchor Units	Total Rail Between Anchor Units	
Station To Station	Lane	Type "D-BF"	Type "B"	GET EXTRUDER TERMINAL			
	Lt.	Rt.	Ea.	Ea.	Ea.	Lin.Ft.	Lin.Ft.
6+46.61 TO 7+46.61	X		1		1	100	25
6+46.61 TO 7+46.61		X	1		1	100	25
8+32.28 TO 9+32.28	X		1		1	100	25
8+32.28 TO 9+32.28		X	1		1	100	25
Totals			4		4	400	100

NS-4005 OVER DOYAL CREEK ATOKA COUNTY
SOUTHEAST #3 CIRCUIT ENGINEERING DISTRICT
 SUMMARY OF QUANTITIES
 BRIDGE
 STATE JOB NO. 29925(04) SHEET NO. AB01