

DESCRIPTION	REVISIONS	DATE

(BR-1) Payment for this item will be based on Plan Quantity. See the 2009 Oklahoma Standard Specifications for Highway Construction - "Plan Quantities", Section 109.01.B.

(BR-2) **BEARING ASSEMBLIES**

There is an estimated total of 225 lbs. of stainless steel for each Stainless Steel Expansion Bearing Assembly and Stainless Steel Fixed Bearing Assembly at Abutment 1, Pier 1 and Pier 2 Span 2. There is an estimated total of 195 lbs. of stainless steel for each Stainless Steel Fixed Bearing Assembly at the Pier 2 Span 3 and Pier 4 Span 4. There is an estimated total of 197.5 lbs. of stainless steel for each Stainless Steel Expansion Bearing Assembly at Pier 3. There is an estimated total of 170 lbs. of stainless steel at Pier 4 Span 5 and Abutment 2. There is an estimated total of 172.5 lbs. of stainless steel for each Stainless Steel Expansion Bearing Assembly at Pier 5.

(BR-3) **PILES FURNISHED**

Steel Piles shall conform to AASHTO M270 (ASTM A709) Grade 50.

(BR-4) **REMOVAL OF EXISTING BRIDGE AND OVERFLOW STRUCTURES**

Item "Removal of Existing Bridge Structure" consists of removal and disposal of:
At approximately C.R.L. U.S. 271 Sta. 110+10, 78' Lt., a Bridge with (one) 210' and (three) 100' Truss Spans x 24' Clear Roadway spanning the Kiamichi River. Also shall include removal and grading existing roadway embankment upstream to the limits of the proposed bridge opening.
At approximately C.R.L. U.S. 271 Sta. 120+50, 151' Lt., a Bridge with (eight) 36' Steel I-beam Spans x 24' Clear Roadway spanning the Overflow Channel.
At approximately C.R.L. U.S. 271 Sta. 108+70, Old Bridge Concrete Rubble.
The Contractor shall fully inform himself of the nature of this removal to allow for an accurate estimate.

The removal of the existing structures shall be in accordance with Section 619.04.B of the 2009 Standard Specifications for Highway Construction and as approved by the Engineer. The existing structural steel is painted with lead based paint. The Contractor must take all necessary precautions and follow all necessary regulations in handling and transporting any structural steel containing lead based paint.

The existing structures and concrete rubble materials shall become the property of the Contractor. The approximately weight of structural steel to be given to the Contractor is 696,600 pounds for the Kiamichi River Bridge and 152,000 pounds for the Overflow Channel Bridge. All costs necessary to remove the existing bridges as described above including labor, equipment and incidentals shall be included in the price bid per lump sum of "REMOVAL OF EXISTING BRIDGE STRUCTURE".

(BR-5) Refer to Drilled Shaft Foundation Special Provision 516-3(a-r) 09 provided in the Contract Documents.

(BR-6) **APPROACH SLAB:**

Class AA Concrete shall be used in the Approach Slabs. The quantity given is based on the actual square yards of the Approach Slabs.

All costs of concrete reinforcing steel, rapid cure joint sealant, excavation, labor, equipment, and other incidentals necessary to complete the work as specified shall be included in the price bid per square yard of "APPROACH SLAB".

(BR-7) **SEALED EXPANSION JOINTS:**

Sealed expansion joints shall be constructed at locations as indicated in the plans.

All costs of the sealed expansion joints including labor, equipment, material, and incidentals shall be included in the price bid per Linear Foot of "SEALED EXPANSION JOINT".

(BR-8) **SEALING BRIDGE DECK AND APPROACH SLAB JOINTS:**

The longitudinal and transverse construction joints on the approach slabs and the construction joints at the end of the bridge shall be sawed and sealed.

The transverse construction joints excluding the joints at the end of the bridge and approach slabs shall be sealed using High Molecular Weight Methacrylate (HMWM) and in accordance with Section 504.04 B and Section 509.04 D of the Standard Specifications and as directed by the Engineer.

Seal all Deck Slab Construction Joints with High Molecular Weight Methacrylate in accordance with Section 523 of the Specifications. Include all cost of equipment and labor for the installation of the High Molecular Weight Methacrylate Sealer in the contract unit price of "SEALER CRACK PREPARATION". Include all cost of the High Molecular Weight Methacrylate Sealer in the contract unit price of "SEALER RESIN". The Department will not measure the preparation and sealer of emergency construction joints for payment.

(BR-9) **PERFORATED PIPE UNDERDRAIN:**

Item "6" Perforated Pipe Underdrain - Round" includes perforated pipes and pipe underdrain cover material.

The installation of the perforated pipe and pipe underdrain cover material shall be as shown in the plans and on standard PUD-3. All costs of the perforated pipe underdrain installation including material, labor, equipment and incidentals shall be included in the price bid per linear foot of "6" PERFORATED PIPE UNDERDRAIN - ROUND".

(BR-10) **NON-PERFORATED PIPE UNDERDRAIN:**

Item "6" Non-Perforated Pipe Underdrain - Round" includes non-perforated pipes and pipe underdrain cover material.

The installation of the non-perforated pipe and pipe underdrain cover material shall be as shown in the plans and on standard PUD-3. All costs of the Perforated Pipe Underdrain installation including material, labor, equipment and incidentals shall be included in the price bid per linear foot of "6" NON-PERFORATED PIPE UNDERDRAIN - ROUND".

(BR-11) **PILOT HOLES:**

Refer to Substructure Layout sheet for Plan Notes.

J/P 26346(04)		PUSHMATAHA COUNTY	
0200 BRIDGE "A"			
PAY QUANTITIES			
ITEM NO.		UNIT	QUANTITY
501(B)	1307	SUBSTRUCTURE EXCAVATION COMMON (BR-1)	C.Y. 180
501(G)	6309	CLSM BACKFILL (BR-1)	C.Y. 220
503(A)	1311	PRESTRESSED CONCRETE BEAMS (TYPE II) (BR-1)	L.F. 398
503(A)	1313	PRESTRESSED CONCRETE BEAMS (TYPE IV) (BR-1)	L.F. 798
503(A)	6290	PRESTRESSED CONCRETE BEAMS (TYPE J BT) (BR-1)	L.F. 1038
504(A)	1304	APPROACH SLAB (BR-6)(BR-1)	S.Y. 281.2
504(B)	1305	SAW-CUT GROOVING (BR-1)	S.Y. 2762.8
504(C)	6250	SEALED EXPANSION JOINT (BR-7)(BR-1)	L.F. 129.6
504(D)	6245	CONCRETE RAIL (TR4) (BR-1)	L.F. 1243.4
506(A)	1322	STRUCTURAL STEEL (BR-1)	LB. 4200
507(A)	6170	STAINLESS STEEL EXP. BEARING ASSEMBLY (BR-2)	EA. 24
507(B)	6174	STAINLESS STEEL EXP. BEARING ASSEMBLY (BR-2)	EA. 24
509(A)	1326	CLASS AA CONCRETE (BR-1)	C.Y. 682.4
509(B)	1328	CLASS A CONCRETE (BR-1)	C.Y. 376.2
511(A)	1332	REINFORCING STEEL (BR-1)	LB. 2460
511(B)	6010	EPOXY COATED REINFORCING STEEL (BR-1)	LB. 195,640
514(A)	6010	PILES, FURNISHED (HP 10x42) (BR-3)	L.F. 162
514(A)	6011	PILES, FURNISHED (HP 12x53) (BR-3)	L.F. 559
514(B)	6292	PILES, DRIVEN (HP 10x42)	L.F. 162
514(B)	6294	PILES, DRIVEN (HP 12x53)	L.F. 559
514(K)	6260	(PL) PILOT HOLES (BR-11)(BR-1)	L.F. 186
514(L)	6220	PILE SPLICE, H-PILE (NON-BIDDABLE)	EA. 1
515(A)	6013	WATER REPELLENT (VISUALLY INSPECTED) (BR-1)	S.Y. 2658
516(A)	6094	DRILLED SHAFTS 48" DIAMETER	L.F. 220
516(A)	6096	DRILLED SHAFTS 60" DIAMETER	L.F. 80
516(A)	6098	DRILLED SHAFTS 72" DIAMETER	L.F. 108
516(C)	6200	CROSSHOLE SONIC LOGGING (BR-5)	EA. 3
523(A)	6550	SEALER CRACK PREPARATION (BR-8)(BR-1)	L.F. 81.6
523(B)	6560	SEALER RESIN (BR-8)(BR-1)	GAL. 1.0
525(C)	1000	(SP) NESTING PREVENTION	L.SUM 1
601(B)	1353	TYPE I-A PLAIN RIPRAP	TON 2130
601(C)	1355	TYPE I-A FILTER BLANKET	TON 535
613(H)	6204	6" PERFORATED PIPE UNDERDRAIN ROUND (BR-9)(BR-1)	L.F. 84
613(I)	6207	6" NON-PERFORATED PIPE UNDERDRAIN ROUND (BR-10)	L.F. 40
619(D)	1397	REMOVAL OF EXISTING BRIDGE STRUCTURE (BR-4)	L.SUM 1

PUSHMATAHA COUNTY			
U.S. 271 OVER KIAMICHI RIVER			
Design	ML	6-12	SUMMARY OF PAY QUANTITIES AND GENERAL NOTES (BRIDGE) State Job No. <u>26346(04)</u> Sheet No. <u>9</u>
Drawn	DAC	6-12	
Checked	SD	8-12	
Approved			
Squad	POE		