

BRIDGE PAY ITEM NOTES

- B1 PAYMENT TO THE CONTRACTOR WILL BE BASED ON PLAN QUANTITIES.
- B2 CONCRETE MAY BE PLACED AGAINST THE LIMITS OF EXCAVATION IF THE MATERIAL IS EXCAVATED TO THE NEAT LINES OF THE SUBSTRUCTURE AND APPROVED BY THE ENGINEER. MEASUREMENT AND PAYMENT WILL BE AS SHOWN IN THE PLANS.
- B3 TEMPORARY RETAINING STRUCTURES TO FACILITATE THE PROPOSED SEQUENCE OF CONSTRUCTION SHOWN IN THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND HAVE NOT BEEN DESIGNED AND DETAILED. INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN THE CONTRACT UNIT PRICE OF "TEMPORARY EARTH RETAINAGE."
- B4 THE APPROACH SLABS CONTAIN AN ESTIMATED TOTAL OF 56.7 C.Y. OF CLASS AA CONCRETE AND 10,980 LB. OF EPOXY COATED REINFORCING STEEL FOR PHASE I AND 56.7 C.Y. OF CLASS AA CONCRETE AND 10,980 LB. OF EPOXY COATED REINFORCING STEEL FOR PHASE II. INCLUDE ALL COSTS FOR CONSTRUCTING THE APPROACH SLABS, INCLUDING CONCRETE, REINFORCING STEEL (INCLUDING SLAB TO BRIDGE RAILING BARS), BACKER ROD, RAPID CURE JOINT SEALANT, POLYSTYRENE, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK, IN THE CONTRACT UNIT PRICE OF "APPROACH SLAB".
- B5 APPLY CIM1000, OR APPROVED EQUAL, TO THE ABUTMENTS AND PIERS AS DIRECTED IN THE PLANS. INCLUDE ALL COSTS FOR MATERIAL, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN THE CONTRACT PRICE BID FOR "SPECIAL CONCRETE FINISH".
- B6 PROVIDE AND INSTALL FIXED BEARING ASSEMBLIES OF THE SIZE, SHAPE AND LOCATION AS DETAILED IN THE PLANS. THE FIXED BEARING ASSEMBLIES CONTAIN AN ESTIMATED TOTAL OF 3,430 LB. OF STAINLESS STEEL FOR PHASE I AND 2,290 LB. OF STAINLESS STEEL FOR PHASE II. INCLUDE ALL COSTS ASSOCIATED WITH PROVIDING AND INSTALLING THE ELASTOMERIC PADS, ANCHOR PLATES, CONTACT ANGLES AND ANCHOR BOLTS, NUTS AND WASHERS, INCLUDING ALL MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK, IN THE CONTRACT UNIT PRICE OF "STAINLESS STEEL FIXED BEARING ASSEMBLIES".
- B7 PROVIDE AND INSTALL EXPANSION BEARING ASSEMBLIES OF THE SIZE, SHAPE AND LOCATION AS DETAILED IN THE PLANS. THE EXPANSION BEARING ASSEMBLIES CONTAIN AN ESTIMATED TOTAL OF 6,060 LB. OF STAINLESS STEEL FOR PHASE I AND 4,040 LB. OF STAINLESS STEEL FOR PHASE II. INCLUDE ALL COSTS ASSOCIATED WITH PROVIDING AND INSTALLING THE ELASTOMERIC PADS, ANCHOR PLATES, CONTACT ANGLES AND ANCHOR BOLTS, NUTS AND WASHERS, INCLUDING ALL MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK, IN THE CONTRACT UNIT PRICE OF "STAINLESS STEEL EXPANSION BEARING ASSEMBLIES".
- B8 QUANTITY PROVIDED TO REPAIR AND MAINTAIN EXISTING BRIDGE DURING PHASE I CONSTRUCTION. THE ACTUAL LOCATIONS AND EXTENTS OF REPAIRS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER. INCLUDE ALL COSTS OF THE REPAIRS, INCLUDING MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN THE CONTRACT UNIT PRICE OF "CLASS B BRIDGE DECK REPAIR".
- B9 QUANTITY PROVIDED TO REPAIR AND MAINTAIN EXISTING BRIDGE DURING PHASE I CONSTRUCTION. THE ACTUAL LOCATIONS AND EXTENTS OF REPAIRS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER. INCLUDE ALL COSTS OF THE REPAIRS, INCLUDING MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN THE CONTRACT UNIT PRICE OF "CLASS C BRIDGE DECK REPAIR".
- B10 PAYMENT TO THE CONTRACTOR WILL BE BASED ON PLAN QUANTITIES UNLESS ADDITIONAL PILING LENGTH IS REQUIRED. ADDITIONAL PILES, FURNISHED, AS AUTHORIZED BY THE ENGINEER, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE.
- B11 PREPARE SURFACE AND INSTALL HIGH MOLECULAR WEIGHT METHACRYLATE SEALER FOR DECK SLAB CONSTRUCTION JOINTS AT LOCATIONS SHOWN IN THE PLANS IN ACCORDANCE WITH SECTION 523 OF THE SPECIFICATIONS. INCLUDE COSTS FOR LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN THE CONTRACT UNIT PRICE OF "SEALER CRACK PREPARATION".
- B12 PROVIDE HIGH MOLECULAR WEIGHT METHACRYLATE SEALER FOR DECK SLAB CONSTRUCTION JOINTS AT LOCATIONS SHOWN IN THE PLANS IN ACCORDANCE WITH SECTION 523 OF THE SPECIFICATIONS. INCLUDE ALL COSTS OF THE SEALER RESIN MATERIAL IN THE CONTRACT UNIT PRICE OF "SEALER RESIN". SEALER RESIN QUANTITY ESTIMATED AT 0.011 GALLONS PER FOOT OF CONSTRUCTION JOINT.
- B13 RIPRAP QUANTITY ESTIMATED AT 120 LBS. PER CUBIC FOOT.
- B14 FILTER BLANKET QUANTITY ESTIMATED AT 105 LBS. PER CUBIC FOOT.
- B15 INCLUDE ALL COSTS ASSOCIATED WITH PROVIDING AND INSTALLING THE PERFORATED PIPE AND PIPE UNDERDRAIN COVER MATERIAL (BOTH FILTER SAND AND COARSE), INCLUDING ALL MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK, IN THE CONTRACT UNIT PRICE OF "6" PERFORATED PIPE UNDERDRAIN ROUND". INSTALLATION SHALL BE AS SHOWN IN THE PLANS AND ON STD. PUD-3.
- B16 EXTENT, LOCATION AND DEPTH OF NON-PERFORATED PIPE UNDERDRAIN MAY BE ADJUSTED BY THE ENGINEER DURING CONSTRUCTION. INCLUDE ALL COSTS ASSOCIATED WITH PROVIDING AND INSTALLING THE NON-PERFORATED PIPE, AND STANDARD BEDDING MATERIAL, INCLUDING ALL TRENCH EXCAVATION, MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK, IN THE CONTRACT UNIT PRICE OF "6" NON-PERF. PIPE UNDERDRAIN RND". INSTALLATION SHALL BE AS SHOWN IN THE PLANS AND ON STD. PUD-3.

BRIDGE PAY ITEM NOTES CONT.

- B17 ITEM "REMOVAL OF EXISTING BRIDGE STRUCTURE" CONSISTS OF REMOVAL AND DISPOSAL OF SUPERSTRUCTURE AND SUBSTRUCTURE OF 5 X 120' SPAN CONTINUOUS PLATE GIRDER BRIDGE WITH 28' CLEAR ROADWAY IN ACCORDANCE WITH SUBSECTION 619.04(b)-2 OF THE SPECIFICATIONS AND IN A MANNER APPROVED BY THE ENGINEER. THE STRUCTURE AND MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. INCLUDE ALL COSTS FOR LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN THE CONTRACT UNIT PRICE OF "REMOVAL OF EXISTING BRIDGE STRUCTURE".

STAKING PAY ITEM NOTES

- S1 IN ADDITION TO THE RESPONSIBILITIES SHOWN IN THE SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND/OR REESTABLISHING THE SURVEY CONTROL POINTS SHOWN ON THE PLANS, STAKING THE CENTERLINE OF CONSTRUCTION AND REESTABLISHING RIGH-OF-WAY STAKES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING BENCH MARKS SHOWN ON THE PLANS AND FOR ESTABLISHING NEW BENCH MARKS AS NEEDED TO CONSTRUCT THE PROJECT.

J.P. NO. 27925(04) 0200 BRIDGE A			
PAY QUANTITIES			
SH-48 OVER CIMARRON RIVER NBI NO. 31951 2 X 100' TYPE IV AND 5 X 120' TYPE J SPANS, 0' SKEW 44' CLR. RDWY. WITH TR-4 PARAPETS @ STA. 375+58.71			
ITEM NO.	ITEM	UNIT	TOTAL
501(B) 1307	SUBSTRUCTURE EXCAVATION COMMON	B1,B2 C.Y.	215
501(G) 6309	CLSM BACKFILL	B1 C.Y.	328
502 1000	TEMPORARY EARTH RETAINAGE	B3 LSUM	1
503(A) 1313	PRESTRESSED CONCRETE BEAMS (TYPE IV)	B1 L.F.	996.7
503(A) 6290	PRESTRESSED CONCRETE BEAMS (TYPE J BT)	B1 L.F.	2,991.7
504(A) 1304	APPROACH SLAB	B1,B4 S.Y.	307.6
504(B) 1305	SAW-CUT GROOVING	B1 S.Y.	4,212.4
504(C) 6250	SEALED EXPANSION JOINT	B1 L.F.	183.0
504(D) 6245	CONCRETE RAIL (TR4)	B1 L.F.	1,723.4
506(A) 1322	STRUCTURAL STEEL	B1 LB.	7,540
507(A) 6170	STAINLESS STEEL FIXED BEARING ASSEMBLY	B1,B6 EA.	25
507(B) 6174	STAINLESS STEEL EXPANSION BEARING ASSEMBLY	B1,B7 EA.	45
509 6152	SPECIAL CONCRETE FINISH	B5 S.Y.	235
509(A) 1326	CLASS AA CONCRETE	B1 C.Y.	1,162.2
509(B) 1328	CLASS A CONCRETE	B1 C.Y.	561.4
509(D) 1331	CLASS C CONCRETE	C.Y.	11.4
511 6306	MECHANICAL SPLICES	B1 EA.	148
511(A) 1332	REINFORCING STEEL	B1 LB.	17,660
511(B) 6010	EPOXY COATED REINFORCING STEEL	B1 LB.	428,480
513(B) 6019	CLASS B BRIDGE DECK REPAIR	B8 S.Y.	90
513(C) 6020	CLASS C BRIDGE DECK REPAIR	B9 S.Y.	90
514(A) 6010	PILES, FURNISHED (HP 10X42)	B10 L.F.	186
514(A) 6011	PILES, FURNISHED (HP 12X53)	B10 L.F.	815
514(B) 6292	PILES, DRIVEN (HP 10X42)	L.F.	186
514(B) 6294	PILES, DRIVEN (HP 12X53)	L.F.	815
514(L) 6220	PILE SPLICE, H-PILE (NON-BIDDABLE)	EA.	1
515(A) 6013	WATER REPELLENT (VISUALLY INSPECTED)	B1 S.Y.	3,543.7
516(A) 6092	DRILLED SHAFT 36" DIAMETER	L.F.	47
516(A) 6100	DRILLED SHAFT 84" DIAMETER	L.F.	1,185
516(C) 6200	CROSSHOLE SONIC LOGGING	EA.	7
523(A) 6550	SEALER CRACK PREPARATION	B1,B11 L.F.	894
523(B) 6560	SEALER RESIN	B1,B12 GAL.	11
601(B) 1353	TYPE I-A PLAIN RIPRAP	B13 TON	1,290
601(C) 1355	TYPE I-A FILTER BLANKET	B14 TON	285
613(H) 6204	6" PERFORATED PIPE UNDERDRAIN ROUND	B1,B15 L.F.	92
613(I) 6207	6" NON-PERF. PIPE UNDERDRAIN RND.	B16 L.F.	48
619(D) 1397	REMOVAL OF EXISTING BRIDGE STRUCTURE	B17 LSUM	1

J.P. NO. 27925(04) 0600 STAKING			
PAY QUANTITIES			
ITEM NO.	ITEM	UNIT	TOTAL
642(B) 0096	CONSTRUCTION STAKING LEVEL II	S1 LSUM	1

J.P. NO. 27925(04) 0640 CONSTRUCTION			
PAY QUANTITIES			
ITEM NO.	ITEM	UNIT	TOTAL
220 2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1
641 1399	MOBILIZATION	LSUM	1

DESIGN	B.J.K.	BRIDGE PAY ITEMS AND NOTES	SH-48 OVER CIMARRON RIVER	CREEK COUNTY
DRAWN	J.F.R.			
CHECKED	B.J.K.			
APPROV.	B.J.K.			
SQUAD	CEC			
			JOB PIECE NO. 27925(04)	SHEET NO. 6