

0200 – BRIDGE				
BRIDGE "A" PAY QUANTITIES				
50'-80'-50' X 26' CLEAR ROADWAY PCB SPAN SKEWED 30 DEGREES RIGHT FORWARD				
ITEM	DESCRIPTION		UNITS	QUANTITY
501(B)	1307	SUBSTRUCTURE EXCAVATION COMMON (R-1)	CY	190.00
501(G)	6309	CLSM BACKFILL (R-1)	CY	88.00
503(A)	1311	PRESTRESSED CONCRETE BEAMS (TYPE II) (R-1)	LF	298.00
503(A)	1312	PRESTRESSED CONCRETE BEAMS (TYPE III) (R-1)	LF	239.00
504(B)	1305	SAW-CUT GROOVING (R-1)	SY	455.90
504(C)	6250	SEALED EXPANSION JOINT (R-1)	LF	33.06
504(D)	6239	CONCRETE RAIL (TR3) (R-1)	LF	437.50
506(A)	1322	STRUCTURAL STEEL (R-1)	LB	1,220.00
507(A)	6172	WEATHERING STEEL FIXED BEARING ASSEMBLY	EA	6.00
507(B)	6176	WEATHERING STEEL EXPANSION BEARING ASSEMBLY	EA	12.00
509(A)	1326	CLASS AA CONCRETE (R-1)	CY	146.70
509(B)	1328	CLASS A CONCRETE (R-1)	CY	170.80
511(A)	1332	REINFORCING STEEL (R-1)	LB	69,260.00
514(A)	6010	PILES, FURNISHED (HP 10X42)	LF	140.00
514(A)	6011	PILES, FURNISHED (HP 12X53)	LF	325.00
514(B)	6292	PILES, DRIVEN (HP 10X42)	LF	140.00
514(B)	6294	PILES, DRIVEN (HP 12X53)	LF	325.00
514(L)	6220	PILE SPLICE, H-PILE (NON-BIDDABLE)	EA	1.00
516(A)	6098	DRILLED SHAFTS 72" DIAMETER	LF	112.00
516(C)	6200	CROSSHOLE SONIC LOGGING (16)	EA	1.00
601(B)	1353	TYPE I-A PLAIN RIPRAP (1)	TON	1,857.00
601(C)	1355	TYPE I-A FILTER BLANKET (2)	TON	523.00
613(H)	6204	6" PERFORATED PIPE UNDERDRAIN ROUND	LF	60.00
613(I)	6207	6" NON-PERF. PIPE UNDERDRAIN RND.	LF	60.00
623(F)	5686	GUARDRAIL ANCHOR UNIT (TYPE D-BF)	EA	4.00
623(F)	6029	GUARDRAIL ANCHOR UNIT (TYPE A) (3)	EA	4.00
880(J)	8905	CONSTRUCTION TRAFFIC CONTROL (4)	LSUM	1.00

0640 – CONSTRUCTION				
PAY QUANTITIES				
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1.00
641	1399	MOBILIZATION	LSUM	1.00

0600 – STAKING				
PAY QUANTITIES				
642(B)	0096	CONSTRUCTION STAKING LEVEL II (5)	LSUM	1.00

0100 – ROADWAY				
ROADWAY PAY QUANTITIES				
ITEM	DESCRIPTION		UNITS	QUANTITY
201(A)	0102	CLEARING AND GRUBBING	LSUM	1.00
202(H)	0185	EARTHWORK (6)(7)(8)	LSUM	1.00
221(C)	2801	TEMPORARY SILT FENCE (9)	LF	1,800.00
221(F)	0100	TEMPORARY SILT DIKE (9)	LF	480.00
230(A)	2806	SOLID SLAB SODDING (R-7)(R-8)	SY	27,458.00
233(A)	2817	VEGETATIVE MULCHING (R-11)	AC	9.46
303(A)	2100	AGGREGATE BASE TYPE A	CY	1,236.00
307(K)	4300	STABILIZED SUBGRADE	SY	7,941.00
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E (10)(11)	TON	937.00
407(B)	0250	TACK COAT (R-30)(17)	GAL	1,030.00
408	5774	PRIME COAT (R-31)(18)	GAL	5,262.00
411(B)	5945	SUPERPAVE, TYPE S3 (PG 64-22 OK) (R-32)(19)	TON	1,481.00
411(C)	5960	SUPERPAVE, TYPE S4 (PG 64-22 OK) (R-32)(20)	TON	747.00
509(D)	0325	CLASS C CONCRETE (R-41)	CY	20.00
601(A)	0297	TYPE I PLAIN RIPRAP	TON	804.00
601(B)	0536	TYPE I-A PLAIN RIPRAP	TON	2,158.00
601(C)	0538	TYPE I-A FILTER BLANKET	TON	618.00
611(G)	6006	INLET (SMD-TYPE 2B)	EA	1.00
613(A)	0494	36" R.C. PIPE CLASS III (12)	LF	48.00
613(A)	4497	36" X 22" R.C. PIPE ARCH CLASS A-III (12)	LF	94.00
613(B)	4527	21" X 15" CORR. GALV. STEEL PIPE ARCH (12)	LF	128.00
613(B)	4528	28" X 20" CORR. GALV. STEEL PIPE ARCH (12)	LF	42.00
613(L)	4504	21" X 15" PREFAB. CULVERT END SECTION, ARCH	EA	4.00
613(L)	4516	28" X 20" PREFAB. CULVERT END SECTION, ARCH	EA	2.00
613(L)	4526	36" X 22" PREFAB. CULVERT END SECTION, ARCH	EA	3.00
613(L)	5734	36" PREFAB. CULVERT END SECTION, ROUND	EA	2.00
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS (R-48)(21)	LSUM	1.00
624(C)	4458	FENCE-STYLE SWF (4 BARBED WIRE) (R-52)(R-53)(13)	LF	10,036.00
624(C)	4459	FENCE-STYLE SWF (5 BARBED WIRE) (R-52)(R-53)(13)	LF	986.00
850(A)	8110	SHEET ALUMINUM SIGNS	SF	77.93
851(C)	8327	2 1/4" SQUARE TUBE POST	LF	221.00
854(A)	8800	TRAFFIC STRIPE (PAINT) (4" WIDE) (14)	LF	11,218.00
855(A)	8825	TRAFFIC STRIPE (PAINT) (24" WIDE) (15)	LF	11.00

PAY QUANTITY NOTES

- (R-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS.
- (R-7) FOR 230(A) PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 LBS. PER 1,000 SQUARE YARDS.
- (R-8) FOR 230(A) PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 80 GALLONS PER SQUARE YARD.
- (R-11) THE QUANTITY ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 4.73 ACRES.
- (R-30) PRICE BID TO INCLUDE COST OF 1,030 GALLONS OF TACK COAT MEETING THE REQUIREMENTS OF SECTION 407 OF THE STANDARD SPECIFICATIONS.
- (R-31) PRICE BID TO INCLUDE COST OF 5,244 GALLONS OF PRIME COAT MEETING THE REQUIREMENTS OF SECTION 408 OF THE STANDARD SPECIFICATIONS AND ESTIMATED AS 0.35 GAL. PER SQ. YD. ON TOP OF COMPLETED SUBGRADE AND 0.25 GAL. PER SQ. YD. ON TOP OF AGGREGATE BASE. THE ACTUAL CUTBACK PRIME COAT REQUIRED FOR PLACEMENT OPERATIONS WILL BE DETERMINED BY THE CONTRACTOR AND SHALL CONSIDER THE RESIDUE FROM DISTILLATION PERCENTAGE SHOWN IN SECTION 708.03 OF THE STANDARD SPECIFICATIONS.
- (R-32) ESTIMATED AT 112 LBS. PER SQ. YD. PER 1" THICK.
- (R-41) QUANTITY INCLUDES AN ESTIMATED 20 C.Y. TO BE USED AS DIRECTED BY THE ENGINEER.
- (R-48) INCLUDES REMOVAL OF ALL EXISTING ROADWAY DRAINAGE STRUCTURES, HEADWALLS (UNLESS OTHERWISE SPECIFIED), INLETS, FENCES AND OTHER STRUCTURES WITHIN THE RIGHT-OF-WAY.
- (R-52) INCLUDES 2% FOR GROUND MEASUREMENT.
- (R-53) ALL GATES AND GATE END POSTS FOR STRANDED WIRE FENCE (SWF) SHALL BE CONSTRUCTED AT THE SAME WIDTH AS THE EXISTING, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- (1) ESTIMATED AT 110 LBS./CU. FT.
- (2) ESTIMATED AT 105 LBS./CU. FT.
- (3) PRICE BID TO INCLUDE THE COST OF 4 TYPE 1 CODE 3 DELINEATORS. (AMBER COLOR).
- (4) CONSTRUCTION TRAFFIC CONTROL SHALL INCLUDE ALL BARRICADES AND SIGNS REQUIRED ON EACH END OF THE CONSTRUCTION AREA AND OTHER AREAS DESIGNATED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SIGNS, BARRICADES, LIGHTS, ETC., ACCORDING TO THE STANDARDS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND AS SHOWN ON THE STANDARD DRAWINGS. COST OF ALL NECESSARY CONSTRUCTION SIGNING WILL BE INCLUDED IN THE LUMP SUM PRICE BID FOR "CONSTRUCTION TRAFFIC CONTROL."
- (5) 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 RIGHT-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.
- (6) SEE SUMMARY OF GRADING QUANTITIES, SHEET NO. R004.
- (7) ITEM "EARTHWORK" INCLUDES OBLITERATION OF EXISTING ROADWAY WITHIN THE PROJECT LIMITS. COSTS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
- (8) INCLUDES COST OF SALVAGING AND PLACING TOPSOIL APPROXIMATELY 75 FEET WIDE BY 5 INCHES DEEP FROM STA. 116+50 TO 137+00 AND FROM STA. 28+83 TO 35+75 AND 18-46-0 FERTILIZER (ESTIMATED AT 150 LBS PER ACRE). SEE TOPSOIL NOTE, SHEET NO. R003.
- (9) PRICE BID TO INCLUDE COST OF TEMPORARY SEDIMENT REMOVAL.
- (10) ESTIMATED AT 140 LBS./CU. FT.
- (11) INCLUDES 120 TONS FOR RURAL DRIVES.
- (12) PRICE BID TO INCLUDE TRENCH EXCAVATION AND STANDARD BEDDING MATERIAL.
- (13) ALL GATE, CORNER AND STRETCH POSTS SHALL BE STEEL PIPE. COST INCLUDES 5,510 LF FOR TEMPORARY FENCING.
- (14) INCLUDES 5,642 FEET WHITE FOR EDGE STRIPE AND 5,598 FEET YELLOW FOR DOUBLE SOLID CENTERLINE STRIPE.
- (15) INCLUDES 11 FEET WHITE STRIPE FOR STOP BAR AT EW-194 AND NS-315 INTERSECTION.
- (16) TO BE PERFORMED IN ACCORDANCE WITH SPECIAL PROVISION 516-3.
- (17) INCLUDES 16 GALLONS FOR RURAL DRIVES.
- (18) INCLUDES 227 GALLONS FOR RURAL DRIVES.
- (19) INCLUDES 34 TONS FOR RURAL DRIVES.
- (20) INCLUDES 23 TONS FOR RURAL DRIVES.
- (21) INCLUDES REMOVAL OF REINFORCED CONCRETE BOX AT APPROXIMATE STA. 127+50.

GENERAL NOTES

SPECIFICATIONS:

COMPLY WITH THE REQUIREMENTS OF THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AS APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION JANUARY 4, 2010, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

ANCHOR PLATES- SLOTTED FOR EXPANSION:

ALLOWANCE SHALL BE MADE FOR TEMPERATURE AT TIME OF SETTING OF EXPANSION ANCHOR PLATES. ANCHOR PLATES SHALL BE SET WITH ANCHOR BOLTS IN CENTER OF SLOT FOR 60°F. FOR EACH 100' OF EXPANSION TO THE BEARING ASSEMBLY, THE CENTERLINE OF THE SLOT SHALL BE 1/8" FROM THE CENTERLINE OF THE ANCHOR BOLT IN THE DIRECTION OF EXPANSION FOR EACH 15' THE TEMPERATURE IS ABOVE 60°F, OR SHALL BE SET 1/8" FROM THE CENTERLINE OF THE ANCHOR BOLT IN THE DIRECTION OF THE CONTRACTION FOR EACH 15' THE TEMPERATURE IS BELOW 60°F.

AIR VENTS:

2" PVC PIPE SHALL BE PLACED VERTICALLY THROUGH THE DECK BETWEEN THE BEAMS AS SHOWN IN THE DETAIL SHOWN ON SHEET NO. 0002, TYPICAL SECTION AND MISCELLANEOUS DETAILS.

ALL TREES, BRUSH AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER SHALL BE CLEANED OUT TO THE RIGHT-OF-WAY LINE, AT EACH STRUCTURE AND BRIDGE, IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

ALL FLOWLINES THAT ARE TO BE FILLED SHALL BE THOROUGHLY TAMPED BEFORE CONSTRUCTION OR EXTENSION OF DRAINAGE STRUCTURES. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

CREEK AND RIVER BANKS SHALL BE KEPT IN THEIR NATURAL STATE AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL NOT UNDULY STRIP EXISTING PROTECTIVE VEGETATION IN THE VICINITY OF THE STREAM BANKS AND SHALL SO CONDUCT HIS OPERATIONS AS NOT TO DAMAGE THE BANKS WITH HIS EQUIPMENT. NO BANK UPSTREAM OR DOWNSTREAM SHALL BE EXCAVATED EXCEPT AS APPROVED FOR AND AS SHOWN ON THE PLANS. NO WORK ROADS SHALL BE CONSTRUCTED UPSTREAM WHERE IT IS NECESSARY TO CUT THE STREAM OR RIVER BANKS EXCEPT BY THE APPROVAL OF THE ENGINEER. BANK CUTS FOR WORK ROADS SHALL BE LOCATED DOWNSTREAM AND REPLACED BY THE CONTRACTOR TO THEIR ORIGINAL SHAPE AND DENSITY. UNNECESSARY STRIPPING OF VEGETATION GROWTH ALONG BANKS IN THE CONSTRUCTION AREA IS NOT PERMITTED.

THE FOLLOWING ITEMS WILL BE THE RESPONSIBILITY OF THE COUNTY AND NOT A PART OF THIS CONTRACT: (1) ACQUISITION AND STAKING OF RIGHT-OF-WAY; (2) REMOVAL AND RELOCATION OF CATTLE GUARDS; (3) UTILITY RELOCATION; (4) DETOUR SIGNING, IF REQUIRED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SIGNING.

THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY RIGHT-OF-WAY FENCE AS REQUIRED. WHEN THE PORTION OF THE PROJECT THAT REQUIRED THIS FENCE IS COMPLETED, THE TEMPORARY FENCE SHALL BE REMOVED AND PERMANENT RIGHT-OF-WAY FENCE SHALL BE RESTORED OR INSTALLED IN A MANNER APPROVED BY THE ENGINEER. ROADWAY SHALL BE CLOSED TO THROUGH TRAFFIC DURING THE CONSTRUCTION PERIOD. CONTRACTOR SHALL PROVIDE ACCESS TO ADJACENT LAND OWNERS AND TENANTS.

(CAUTION) THE LOCATION AND DEPTH OF ALL UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES HE MAY INFLICT TO THE EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF HIS DIGGING, TRENCHING, BORING, ETC. PRIOR TO DIGGING NEAR UTILITIES. IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS PRIOR TO BEGINNING EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE1" 1-800-522-6543 OR 811.

THE CONTRACTOR SHALL NOTIFY THE CARTER COUNTY BOARD OF COMMISSIONERS, CED 6 AND ODOT DIVISION VII OFFICE IN DUNCAN, IN WRITING, FOURTEEN CALENDAR DAYS PRIOR TO BEGINNING CONSTRUCTION.

ENVIRONMENTAL MITIGATION NOTES

THIS PROJECT IS IN CLOSE PROXIMITY TO AREAS THAT HAVE HISTORICALLY BEEN USED FOR THE EXPLORATION AND EXTRACTION OF CRUDE OIL. AS A RESULT, THERE IS A POTENTIAL TO ENCOUNTER CRUDE OIL PRODUCTS AND RELATED WASTES. IF SUCH MATERIALS ARE FOUND, THE RESIDENT ENGINEER SHOULD BE NOTIFIED IMMEDIATELY.

IN ADDITION, THERE IS A POTENTIAL TO ENCOUNTER GATHERING LINES AND OTHER PIPING, AND ABANDONED OIL, GAS OR SALTWATER DISPOSAL WELLS. ANY WELLS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES MUST BE PLUGGED, BY PROPERLY LICENSED PERSONNEL, IN ACCORDANCE WITH ALL APPLICABLE OKLAHOMA CORPORATION COMMISSION RULES AND REGULATIONS.

CLIFF SWALLONS AND BARN SWALLONS ARE SMALL COLONIAL NESTING BIRDS PROTECTED BY THE MIGRATORY BIRD TREATY ACT. THESE SPECIES COMMONLY USE BRIDGES AND CULVERTS FOR NESTING. THE NESTING SEASON FOR THE SWALLONS RUNS FROM APRIL 1 TO AUGUST 31. ANY ACTIVITIES WHICH WOULD DESTROY ACTIVE NESTS OR HARM EGGS OR BIRDS WOULD VIOLATE THE MIGRATORY BIRD TREATY ACT. SWALLOW USE OF THE LOW WATER CROSSING AT STA. 126+62.75 WAS NOT OBSERVED DURING THE INITIAL SURVEYS CONDUCTED AS PART OF THE BIOLOGICAL STUDIES IN DECEMBER 2014. SWALLONS MAY OCCUPY THE BRIDGE IN THE FUTURE NESTING SEASONS. THE RESIDENT ENGINEER WILL EVALUATE THE CONTRACTOR'S PROPOSED WORK METHODS AND CONCLUDE WHETHER THE PROPOSED WORK WOULD POSE DISRUPTION TO ANY NESTING BIRDS BEFORE WORK NEAR THE STRUCTURE IS AUTHORIZED. IF THE PROPOSED WORK WILL HARM ANY NESTING BIRDS, THE BRIDGE MAY BE NETTED PRIOR TO APRIL 1 OR THE WORK DELAYED UNTIL THE NESTING SEASON IS COMPLETE. METHODS OTHER THAN NETTING MUST BE PRE-APPROVED BY THE ODOT BIOLOGIST.

SUMMARY OF PAY QUANTITIES AND GENERAL NOTES