

SPECIFICATIONS

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

CONCRETE

CONCRETE RAIL ON THIS BRIDGE IS MEASURED FROM END TO END OF ABUTMENT WINGS FOR PAY PURPOSES.

BEFORE ANY BEAM IS ERECTED, THE ENGINEER WILL CHECK ALL BEARING ELEVATIONS. ANY ELEVATION WHICH IS OFF MORE THAN 0.02 FEET SHALL BE CORRECTED IN A MANNER APPROVED BY THE ENGINEER.

BEAMS SHALL NOT BE ERECTED ON ABUTMENTS OR PIERS UNTIL CONCRETE HAS BEEN IN PLACE AT LEAST 7 DAYS AND HAS REACHED AT LEAST 80 PERCENT OF ITS REQUIRED 28 DAY COMPRESSIVE STRENGTH.

VENT HOLES

PROVIDE 2" DIAMETER VENT HOLES IN THE DECK, ONE HOLE BETWEEN EACH BEAM LINE NEAR THE CENTER OF THE SPAN.

PILING CAPACITY

THE REQUIRED ULTIMATE CAPACITY FOR EACH HP12x53 PILE IS 84.00 TONS.

GENERAL CONSTRUCTION NOTES

THE CONTRACTOR WILL CLOSE THE ROAD TO THRU TRAFFIC. CONSTRUCTION SIGNING WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND APPLICABLE O.D.O.T. STANDARD DRAWINGS.

ALL SIGNS, BARRICADES, AND CHANNELIZING DEVICES WITH EITHER TYPE 'A' OR TYPE 'C' LIGHTS SHOWN IN THE STANDARD DRAWINGS SHALL HAVE THE CORRESPONDING LIGHT ATTACHED DURING NON-DAYLIGHT HOURS.

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

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 FENCING SHALL BE RESTORED OR INSTALLED IN A MANNER APPROVED BY THE ENGINEER.

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.

IN ORDER TO ALLEVIATE DUST CONDITIONS DURING GRADING OPERATIONS AND BEFORE PAVEMENT WORK IS COMPLETED, THE CONTRACTOR SHALL SPRINKLE GRADING AT INTERVALS APPROVED BY THE ENGINEER.

T.B.S.C. SURFACES SHALL BE SPRINKLED WITH WATER AND ROLLED WITH A PNEUMATIC ROLLER IN A MANNER APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL SIGNS.

THE CONTRACTOR SHALL GIVE NOTICE TO THE COUNTY, CED 8, AND DIVISION 4, IN WRITING, 14 DAYS BEFORE WORK BEGINS ON THE PROJECT.

THE CONTRACTOR SHALL NOT WASTE ANY EXCESS EXCAVATION UNTIL ALL PLANNED EMBANKMENTS AND BACKFILLS ARE COMPLETED. EXCESS UNCLASSIFIED EXCAVATION MATERIAL DETERMINED BY THE ENGINEER TO BE SUITABLE FOR BACKFILL SHALL BE USED TO REDUCE ANY UNCLASSIFIED BORROW NEEDED.

THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

VEGETATIVE MULCHING: THE VEGETATIVE MULCH SHALL BE ANCHORED IN ACCORDANCE WITH THE "MULCHING-TILLER METHOD", AS SPECIFIED IN SECTION 233.04(b)2 OF THE STANDARD SPECIFICATIONS.

AT THE BEGINNING OF TURFING OPERATIONS, ANY AREAS INCLUDED IN PLANNED QUANTITIES THAT HAVE GROWN A SATISFACTORY VOLUNTEER TURF OF PERENNIAL GRASS, AS DETERMINED BY THE ENGINEER, SHALL NOT BE SEEDED, SODDED, OR SPRIGGED.

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.

ANY DAMAGE CAUSED BY THE CONTRACTOR TO ANY STRUCTURES, ROADWAY SURFACES, STRIPING, RAISED PAVEMENT MARKERS, GUARDRAIL, SLOPES, UTILITIES, AND SIGNS SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.

CONTRACTOR TO PROVIDE ACCESS TO ADJACENT PROPERTY ENTRANCES AT ALL TIMES.

PAY QUANTITY NOTES

(BR-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS.

(R-5) AN ESTIMATED QUANTITY OF 95 C.Y. TOPSOIL TO BE RESERVED FOR REPLACEMENT OF APPROXIMATELY 5' ON COMPLETED FORESLOPES, DITCHES, AND BACKSLOPES. THIS QUANTITY IS INCLUDED IN THE EARTHWORK BALANCE.

(R-7) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF (10-20-10) FERTILIZER, ESTIMATED AT 200 POUNDS PER 1000 S.Y. FOR TYPE 'A' SALVAGED TOPSOIL PRICE BID TO INCLUDE THE COST OF 18-46-0 FERTILIZER APPLIED AT THE RATE OF 150 POUNDS PER ACRE, JUST PRIOR TO THE REPLACEMENT OF TOPSOIL.

(R-8) PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GALLONS PER S.Y.

(R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 1.58 ACRES.

(R-25) ESTIMATED AT 120 LBS. PER CU. FT.

(R-41) QUANTITY INCLUDES 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.

(1) CLEARING AND GRUBBING TO BE CONDUCTED FROM R/W TO R/W AND/OR FROM FENCE LINE TO FENCE LINE ALONG ENTIRE EXTENTS OF PROJECT.

(2) SEE SUMMARY OF GRADING, SHEET NO. 2.

(3) PRICE TO INCLUDE THE COST OF 18-46-0 FERTILIZER, ESTIMATED AT 200 POUNDS PER 1000 S.Y.

(4) ESTIMATED QUANTITY TO BE USED FOR EROSION AND SEDIMENT CONTROL IN A MANNER APPROVED BY THE ENGINEER. (SEE STDS. TSC2-2 AND TSD-1) LATEST REVISION. CONTRACTOR TO REMOVE SEDIMENT FROM EROSION CONTROL DEVICES WHEN DEVICES BECOME HALF FULL. COST OF SEDIMENT REMOVAL TO BE INCLUDED IN PRICE BID.

(5) PRICE BID TO INCLUDE THE COST OF (4) TYPE 1, CODE 3, AMBER COLOR, AND (8) TYPE 1 CODE 1 DELINEATORS, AMBER COLOR.

(6) PRICE BID TO INCLUDE COST OF TRENCH EXCAVATION AND BEDDING MATERIALS.

(7) PROVIDE AND INSTALL FIXED AND EXPANSION BEARING ASSEMBLIES OF THE SIZE, SHAPE, AND LOCATION AS DETAILED IN THE PLANS. THERE IS AN ESTIMATED TOTAL OF 175 POUNDS OF STRUCTURAL STEEL FOR EACH BEARING ASSEMBLY. PROVIDE STRUCTURAL STEEL IN ACCORDANCE WITH AASHTO M270(ASTM A709), GRADE 50W(WEATHERING STEEL), CHARPY V-NOTCH TESTING NOT REQUIRED.

(8) THE ITEM "REMOVAL OF EXIST. BRIDGE STR." CONSISTS OF REMOVAL AND DISPOSAL OF THE EXISTING 26'-16'-33' I-BEAM SPAN BRIDGE AT Q STA. 65+07.13. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF BRIDGE IN ACCORDANCE WITH SECTION 619.04(b)2 OF THE SPECIFICATIONS AND IN A MANNER APPROVED BY THE ENGINEER.

(9) ALL SIGNS THAT HAVE 16 SQ. FT. OR MORE SHALL BE DOUBLE POSTED.

(10) ESTABLISHMENT AND RE-ESTABLISHMENT OF HORIZONTAL AND VERTICAL CONTROL, INCLUDING THE SETTING AND RESETTING OF BENCHMARKS AND THE STAKING AND RESTAKING OF RIGHT-OF-WAY, WILL BE INCLUDED IN THE PRICE BID FOR STAKING.

ENVIRONMENTAL MITIGATION NOTES

AMERICAN BURYING BEETLE (ABB) NOTE THE AMERICAN BURYING BEETLE IS A LARGE CARRION BURYING BEETLE THAT OCCURS WITHIN THE ACTION AREA. NO ARTIFICIAL LIGHTING SHALL BE USED DURING CONSTRUCTION.

MIGRATORY BIRD NOTE MIGRATORY BIRDS ARE PROTECTED BY THE FEDERAL MIGRATORY BIRD TREATY ACT. MANY BIRDS COMMONLY USE BRIDGES AND CULVERTS FOR NESTING. THE NESTING SEASON FOR MOST MIGRATORY BIRD SPECIES EXTENDS FROM MARCH 1 TO AUGUST 31.

OKLAHOMA DEPARTMENT OF TRANSPORTATION table with columns: FED. ROAD DIST. NO., STATE, JOB PIECE NO., FISCAL YEAR, SHEET NO., TOTAL SHEETS

PAY QUANTITIES table for 22752(04) 0100 ROADWAY. Columns: ITEM NO., DESCRIPTION, UNIT, QUANT.

PAY QUANTITIES table for 22752(04) 0200 BRIDGE "A" 1-105' PCB SPAN. Columns: ITEM NO., DESCRIPTION, UNIT, QUANT.

PAY QUANTITIES table for 22752(04) 0600 CONSTRUCTION STAKING. Columns: ITEM NO., DESCRIPTION, UNIT, QUANT.

PAY QUANTITIES table for 22752(04) 0640 CONSTRUCTION. Columns: ITEM NO., DESCRIPTION, UNIT, QUANT.

CREEK COUNTY DOG CREEK SUMMARY OF PAY QUANTITIES J/P NO. 22752(04) SHEET NO. 3