

ROADWAY GENERAL CONSTRUCTION NOTES

EXISTING ROAD SHALL BE CLOSED TO THROUGH TRAFFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, CONSTRUCTION SIGNS, LIGHTS, ETC. ALL CONSTRUCTION SIGNING WILL BE DONE ACCORDING TO THE STANDARDS SET FORTH IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" CURRENT EDITION, AND AS SHOWN ON TCS STANDARD DRAWINGS.

ALL DESIGNATED TREES (DEAD OR ALIVE), BRUSH, AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER ARE TO BE CLEANED OUT TO THE RIGHT-OF-WAY LINES AT EACH STRUCTURE AND BRIDGE IN A MANNER APPROVED BY THE ENGINEER. ALL TREES THAT ARE TO BE REMOVED WILL BE CLEARLY MARKED BY THE ENGINEER. ALL COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR "CLEARING AND GRUBBING".

RESPONSIBILITY OF THE COUNTY AND NOT A PART OF THIS CONTRACT:

1. FURNISH ALL RIGHT-OF-WAY
2. RELOCATE ALL UTILITIES
3. RELOCATING OR BUILDING ANY NEW FENCES

THE CONTRACTOR SHALL GIVE NOTICE TO THE COUNTY AND THE OKLAHOMA DEPARTMENT OF TRANSPORTATION (DIVISION 2) IN WRITING, FOURTEEN (14) CALENDAR DAYS BEFORE WORK BEGINS ON THE PROJECT.

CONTRACTOR SHALL CONFINE THE WORK TO WITHIN THE LIMITS OF RIGHT-OF-WAY. ANY DAMAGE CAUSED BY THE CONTRACTOR OUTSIDE THE LIMITS OF RIGHT-OF-WAY WILL BE REPAIRED OR RESTORED TO THE ORIGINAL CONDITION AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

EROSION CONTROL NOTES:

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

ROADWAY PAY QUANTITY NOTES

(R-32) ESTIMATED AT 112 LBS. PER SQ. YD. PER 1" THICK.

- (1) ITEM "EARTHWORK" SHALL CONSIST OF THE FOLLOWING:
 - a. SEE GRADING ESTIMATE, THIS SHEET , FOR EARTHWORK QUANTITIES.
 - b. CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD FIRST ON THE COMPLETED SLOPES OF THE CUT SECTION AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER. ALL ADDITIONAL COSTS ASSOCIATED WITH OPERATION SHALL BE INCLUDED IN THE PAY ITEM FOR EARTHWORK, LUMP SUM. PRICE BID TO INCLUDE COST OF 0-46-0 FERTILIZER ESTIMATED AT 150 LBS PER ACRE ON WHICH TOPSOIL IS REPLACED.
 - c. ALL EMBANKMENT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS.
 - d. EXISTING SURFACING TO BE SCARIFIED AND INCORPORATED INTO THE SUBGRADE IN A MANNER APPROVED BY THE ENGINEER.
 - e. THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF THE TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGE TOPSOIL.
 - f. REMOVAL OF ANY EXISTING SIGNS WHICH ARE TO BE PLACED ON THE R/W IN AN USABLE MANNER AND TO BECOME THE PROPERTY OF THE COUNTY.
 - g. BRIDGE AND RETAINING WALLS EXCAVATION/EMBANKMENT.

(2) ESTIMATED QUANTITY FOR TEMPORARY EROSION AND SEDIMENT CONTROL TO BE USED IN A MANNER APPROVED BY THE ENGINEER. PRICE BID TO INCLUDE COST OF SILT REMOVAL, NECESSARY MAINTENANCE, MAINTAINING IN AN UPRIGHT POSITION, AND REMOVAL.

(3) PRICE BID TO INCLUDE THE COST OF WATERING AND (10-20-10) FERTILIZER. WATERING ESTIMATED AT 40 GAL. PER SQ. YARD FOR ESTIMATING PURPOSES ONLY. CONTRACTOR WILL PROVIDE SUFFICIENT WATER TO PRODUCE ADEQUATE GRASS GROWTH AS APPROVED BY THE ENGINEER. FERTILIZER (10-20-10) ESTIMATED AT 200 LBS PER 1000 SQ. YARDS OF SODDING.

(4) APPLICATION RATE SHALL BE 0.21 GAL/SY.

(5) PRICE BID FOR "CLEARING AND GRUBBING" SHALL INCLUDE THE REMOVAL OF ALL EXISTING FENCES DESIGNATED FOR REMOVAL BY THE ENGINEER. ALL PERMANENT FENCES SHALL REMAIN IN PLACE.

(6) THIS ITEM SHALL INCLUDE ALL TRAFFIC CONTROL DEVICES NECESSARY TO REGULATE ALL TRAFFIC DURING CONSTRUCTION. THIS ITEM SHALL BE PAID FOR AS A LUMP SUM DUE TO THE MINOR EXTENT OF CONSTRUCTION FOR THIS PROJECT. TRAFFIC CONTROL SHALL BE IN ACCORDANCE TO STATE STANDARDS AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION. ALL CONSTRUCTION SIGNS OVER 10 S.F. SHALL BE DOUBLE POSTED.

(7) APPLICATION RATE SHALL BE 0.075 GAL/SY.

(8) FENCE WITH BARRIER RAIL NOTES:

FENCE WITH BARRIER RAIL SHALL BE PROVIDED ON BOTH SIDES OF ALL OVERHEAD STRUCTURES CROSSING RAILROAD RIGHT-OF-WAY. IT SHALL BE DESIGNED TO PREVENT CLIMBING AND PROVIDE POSITIVE MEANS OF PROTECTING THE RAILROAD FACILITY AND THE SAFETY OF RAILROAD EMPLOYEES BELOW FROM OBJECTS BEING THROWN BY PEDESTRIANS OR PASSING MOTORISTS. THE LIMITS OF THE FENCE WITH BARRIER RAIL SHALL EXTEND TO THE LIMITS OF THE RAILROAD RIGHT-OF-WAY OR A MINIMUM OF 25 FEET BEYOND THE CENTERLINE OF THE OUTERMOST EXISTING TRACK, FUTURE TRACK OR ACCESS ROAD, WHICHEVER IS GREATER. ALL PARALLEL OVERHEAD STRUCTURES THAT HAVE A GAP OF 2 FEET OR MORE SHALL BE PROTECTED WITH FENCING. STRUCTURES WITH A GAP OF 2 FEET OR LESS SHALL EITHER HAVE THE GAP COVERED OR BE FENCED ON BOTH SIDES. THE MINIMUM COMBINED HEIGHT OF A BARRIER RAIL WITH CURVED FENCE SHALL BE 8 FEET OR WITH A STRAIGHT FENCE SHALL BE 10 FEET.

(9) ESTIMATED AT 120 LBS PER C.F..

(10) QUANTITY INCLUDES 100.0 TONS TO BE USED AS DIRECTED BY THE ENGINEER TO MAINTAIN ANY LOCAL TRAFFIC.

DESCRIPTION	REVISIONS	DATE
△	REVISED ITEM NUMBER	10/13/17

31169(04) SUMMARY OF PAY QUANTITIES				
0100 ROADWAY				
ITEM NO.		DESCRIPTION	UNIT	QUANT.
201(A)	0102	CLEARING AND GRUBBING	(5) LSUM	1.00
202(H)	0185	EARTHWORK	(1) LSUM	1.00
221(C)	2801	TEMPORARY SILT FENCE	(2) LF	1,040.00
221(F)	0100	TEMPORARY SILT DIKE	(2) LF	28.00
230(A)	2806	SOLID SLAB SODDING	(3) SY	723.00
303(A)	2100	AGGREGATE BASE TYPE A	() CY	395.00
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	(9)(10) TON	143.00
407(B)	0250	TACK COAT	(7) GAL	151.00
408	5774	PRIME COAT	(4) GAL	936.00
411(C)	5960	SUPERPAVE, TYPE S4(PG 64-22 OK)	(R-32) TON	449.00
411(D)	△ 5975	SUPERPAVE, TYPE S5(PG 64-22 OK)	(R-32) TON	337.00
623(A)	0932	BEAM GUARDRAIL W-BEAM SINGLE	LF	100.00
623(F)	5686	GUARDRAIL ANCHOR UNIT (TYPE D-BF)	EA	4.00
623(G)	8571	GUARDRAIL END TREATMENT (GET)	EA	4.00
624(E)	4294	FENCE-STYLE CLF (8'HIGH, CLASS A)	(8) LF	347.02

31169(04) SUMMARY OF PAY QUANTITIES				
0640 CONSTRUCTION				
ITEM NO.		DESCRIPTION	UNIT	QUANT.
641	1399	MOBILIZATION	LSUM	1.00

31169(04) SUMMARY OF PAY QUANTITIES				
0300 TRAFFIC CONTROL				
ITEM NO.		DESCRIPTION	UNIT	QUANT.
880(J)	8905	CONSTRUCTION TRAFFIC CONTROL	(6) LSUM	1.00
104	0955	(SP) RAILROAD FLAGGING(NON-BIDDABLE)	DAY	30.00

GRADING ESTIMATE - C.Y.			
LOCATION	EXC.	EMB. +15%	BORROW
MAINLINE	171.96	3429.00	3257.04
TOTALS	171.96	3429.00	3257.04
NOTE: QUANTITIES BASED ON THEORETICAL DIMENSIONS.			

