

Thursday, October 1, 2020 11:24:00 AM
V:\13-809E Chimney Rock Rd- Ph 2- Moyes\CIV3D\PLANS\809-Summary-Of-Quantities-And-Notes.dwg

30483(05)					
PAY QUANTITIES					
0100 ROADWAY ITEMS					
ITEM	DESCRIPTION		PAY NOTES	UNIT	QUANTITY
201(A)	0102	CLEARING & GRUBBING		L. SUM	1
202(A)	0183	UNCLASSIFIED EXCAVATION	R-1	C.Y.	90,539
205(A)	4229	TYPE A - SALVAGED TOPSOIL	2,3,R-4,R-6	L. SUM	1
221(C)	2801	TEMPORARY SILT FENCE	1	L.F.	9,670
221(F)	0100	TEMPORARY SILT DIKE	1	L.F.	1,773
221(K)	0600	TEMPORARY FIBER LOG	1	L.F.	220
230(A)	2806	SOLID SLAB SODDING	R-7	S.Y.	121,477
233(A)	2817	VEGETATIVE MULCHING	R-11	AC.	46.28
303(A)	2100	AGGREGATE BASE TYPE A		C.Y.	22,752
325	5271	SEPARATOR FABRIC		S.Y.	105,341
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	R-18	TON	4,598
407(B)	0250	TACK COAT		GAL.	12,231
411(B)	5945	SUPERPAVE, TYPE S3(PG 64-22 OK)	R-23,R-24	TON	18,462
411(C)	5960	SUPERPAVE, TYPE S4(PG 64-22 OK)	R-23,R-24	TON	9,350
412	5267	COLD MILLING PAVEMENT	7	S.Y.	59,495
501(A)	0313	STRUCTURAL EXCAVATION UNCLASSIFIED	R-1	C.Y.	299
509(A)	0319	CLASS AA CONCRETE		C.Y.	321.0
509(D)	0325	CLASS C CONCRETE	5,R-30	C.Y.	456.0
510(D)	6341	MSE RETAINING WALL		SY	460.0
511(A)	0332	REINFORCING STEEL		LB.	52,590
601(A)	0297	TYPE I PLAIN RIPRAP		TON	345
611(A)	2659	MANHOLE (6' DIAMETER)	9	EA.	2
611(G)	6000	INLET (SMD-TYPE 1)	10	EA.	9
613(A)	0491	18" R.C.PIPE CLASS III	4	L.F.	1,633
613(A)	0492	24" R.C.PIPE CLASS III	4	L.F.	997
613(A)	0493	30" R.C.PIPE CLASS III	4	L.F.	65
613(A)	0496	48" R.C.PIPE CLASS III	4	L.F.	137
613(H)	0450	6" PERFORATED PIPE UNDERDRAIN ROUND	5	L.F.	500
613(I)	6204	6" NON-PERF.PIPE UNDERDRAIN RND.	5	L.F.	200
613(M)	7186	TYPE A4 CULVERT END TREATMENT		EA.	19
613(M)	7196	TYPE A6 CULVERT END TREATMENT		EA.	20
613(M)	7187	TYPE B4 CULVERT END TREATMENT		EA.	12
613(M)	7197	TYPE B6 CULVERT END TREATMENT		EA.	6
613(M)	7191	TYPE AA4 CULVERT END TREATMENT		EA.	2
613(N)	7502	TYPE C4 SLOPED CONCRETE END SECTION		EA.	1
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	R-36,R-37	L. SUM	1
619(C)	0924	SAWING PAVEMENT		L.F.	96
623(A)	0932	BEAM GUARDRAIL W-BEAM SINGLE		L.F.	912.5
623(G)	8590	GUARDRAIL END TREATMENT (31")		EA.	6
624	5908	(PL) WOOD PRIVACY FENCE		L.F.	90
624(C)	4459	FENCE-STYLE SWF (5 BARBED WIRE)	R-40	L.F.	4,126
624(C)	4288	FENCE-STYLE CLF (4"HIGH, CLASS A)	R-40	L.F.	292
629(A)	4958	MAILBOX INSTALLATION-SINGLE		EA.	9
629(B)	4959	MAILBOX INSTALLATION-MULTIPLE		EA.	2
629(C)	4960	MAILBOX		EA.	13
629(D)	4961	REMOVAL OF MAILBOX INSTALLATION		EA.	11
SPECIAL		GENERAL LABOR		HR	100

30483(05)					
PAY QUANTITIES					
0300 TRAFFIC ITEMS					
ITEM	DESCRIPTION		PAY NOTES	UNIT	QUANTITY
413(A)	4861	RUMBLE STRIP - METHOD HMA-COM		L.F.	21,700
805(A)	8724	(PL) REMOVAL OF EXISTING SIGNS	TS-1,TS-34,TS-41	EA.	7
805(D)	8756	(PL) REMOVE & RESET EXISTING SIGNS		EA.	1
850(A)	8110	SHEET ALUMINUM SIGNS		S.F.	177
851(C)	8324	2" SQUARE TUBE POST	TS-33	L.F.	312
853	9069	GUARDRAIL DELINEATORS(TYPE 2, CODE 1)		EA.	50
856(A)	8530	TRAFFIC STRIPE (MULTI-POLYMER) (4" WIDE)	TS-24	L.F.	86,550
856(B)	8860	TRAFFIC STRIPE(MULTI-POLY.) (ARROWS)		EA.	2
880(J)	8905	CONSTRUCTION TRAFFIC CONTROL	TC-25,8	L. SUM	1

30483(05)					
PAY QUANTITIES					
0600 STAKING					
ITEM	DESCRIPTION		PAY NOTES	UNIT	QUANTITY
642(B)	0096	CONSTRUCTION STAKING LEVEL II	6	L. SUM	1

30483(05)					
PAY QUANTITIES					
0640 CONSTRUCTION					
ITEM	DESCRIPTION		PAY NOTES	UNIT	QUANTITY
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT		L. SUM	1
641	1552	MOBILIZATION		L. SUM	1
643	0087	(SP) CONTRACTOR'S QUALITY CONTROL		L. SUM	1

ROADWAY 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-4) AN ESTIMATED QUANTITY OF 16,900 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. ANY ADDITIONAL EXCAVATION REQUIRED IN CUT SECTIONS TO ALLOW FOR PLACEMENT OF TOPSOIL TO FINAL GRADE, SHALL BE INCLUDED IN THE PRICE BID.
- (R-6) FOR TYPE A SALVAGED TOPSOIL PRICE BID TO INCLUDE COST OF 18-46-0 FERTILIZER, ESTIMATED AT 150 POUNDS PER ACRE.
- (R-7) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 80 GALLONS PER S.Y.
- (R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 46.28 ACRES.
- (R-18) ESTIMATED AT 120 LBS. PER CU. FT.
- (R-23) PRICE BID TO INCLUDE COST OF PRIME COAT MEETING THE REQUIREMENTS OF SECTION 408 OF THE STANDARD SPECIFICATIONS AND ESTIMATED AT 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-24) ESTIMATED AT 112 LBS. PER. SQ. YD. PER 1" THICK.
- (R-30) QUANTITY INCLUDES AN ESTIMATED 10 C.Y. TO BE USED AS DIRECTED BY THE ENGINEER.
- (R-36) INCLUDES REMOVAL OF ALL EXISTING ROADWAY DRAINAGE STRUCTURES, HEADWALLS (UNLESS OTHERWISE SPECIFIED), INLETS, FENCES, AND OTHER STRUCTURES WITHIN THE RIGHT OF WAY.
- (R-37) TO BECOME THE PROPERTY OF AND BE DISPOSED OF BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.
- (R-40) INCLUDES 2% FOR GROUND MEASUREMENT.
- (TC-25) ALL CONSTRUCTION TRAFFIC CONTROL WILL BE IMPLEMENTED ACCORDING TO CONSTRUCTION PLANS, AND INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (CURRENT EDITION), AND COMPLIANT WITH APPLICABLE O.D.O.T. STANDARD DRAWINGS. PRICE BID FOR THIS ITEM SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS REQUIRED FOR COMPLETION OF THE PROJECT.
- ALL SIGNS AND BARRICADES, WHICH ARE SHOWN WITH TYPE 'A' LIGHTS IN THE STANDARD DRAWINGS SHALL HAVE THE CORRESPONDING LIGHT ATTACHED DURING NON-DAYLIGHT HOURS.
- (TS-1) "REMOVAL OF SIGN FOOTINGS" SHALL MEAN THE REMOVAL OF AN EXISTING FOOTING WITH OR WITHOUT STUBS AND SHALL BE DISPOSED OF AS NOTED IN GENERAL CONSTRUCTION NOTES.
- (TS-24) QUANTITY SHOWN INCLUDES 43,000 L.F. TRAFFIC STRIPE (MULTI-POLYMER)(WHITE) AND 43,000 L.F. TRAFFIC STRIPE(MULTI-POLYMER)(YELLOW) AND WILL BE MEASURED BY THE LINEAR FOOT OF FOUR INCH (4") WIDE TRAFFIC STRIPE.
- (TS-33) INCLUDED IN THIS PAY ITEM IS ALL HARDWARE ASSOCIATED WITH PROPERLY ANCHORING AND MOUNTING THE HIGHWAY SIGN IN ACCORDANCE WITH O.D.O.T. PLANS AND STANDARD DRAWINGS SSA1-1 AND SSP1-1-(LATEST REVISION).
- (TS-34) INCLUDED IN THIS PAY ITEM IS THE REMOVAL OF ANY EXISTING SIGNS TO BE REPLACED BY NEW ASSEMBLIES AND THE REMOVAL OF ANY EXISTING SIGNS THAT WILL BE IN CONFLICT WITH THE NEW ROADWAY OR NEW SIGNAGE.
- (TS-41) "REMOVAL OF EXISTING SIGNS" SHALL INCLUDE THE REMOVAL OF A COMPLETE SIGN ASSEMBLY WHICH MAY INCLUDE MULTIPLE SIGNS, POSTS, FOOTINGS, AND ANY FOOTINGS ADJACENT TO THE SIGN ASSEMBLY. WHEN APPROVED BY THE ENGINEER, FOOTINGS MAY BE OBLITERATED TO A POINT BELOW GROUND LEVEL IN LIEU OF BEING COMPLETELY REMOVED. SEE GENERAL CONSTRUCTION NOTES FOR DISPOSAL OF OLD CONCRETE FOOTING MATERIAL.
1. COST TO INCLUDE TEMPORARY SEDIMENT REMOVAL. REMOVE SEDIMENT WHEN 50% FULL.
2. PRICE BID FOR THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, AND OTHER INCIDENTAL COSTS FOR TRANSPORT OF TOPSOIL FROM STOCKPILE AND PLACEMENT.
3. FERTILIZER TO BE APPLIED TO ALL AREAS ON WHICH TOPSOIL IS TO BE REPLACED. THE CONTRACTOR SHALL PROVIDE SUFFICIENT WATER TO PRODUCE ADEQUATE GRASS GROWTH AS APPROVED BY THE ENGINEER.
4. PRICE BID SHALL INCLUDE THE COST OF STANDARD BEDDING MATERIAL AND TRENCH EXCAVATION.
5. TO BE USED AS DIRECTED BY THE ENGINEER.
6. CONSTRUCTION STAKING SHALL INCLUDE ESTABLISH AND RE-ESTABLISH STAKING OF CENTERLINE, BENCHMARKS, AND RIGHT-OF-WAY. INCLUDES SLOPE STAKING, STRUCTURE STAKING, ROADWAY STAKING (DRIVEWAYS INCLUDED), BLUETOPPING, AND CHECKING ALIGNMENTS AND ELEVATIONS AS REQUIRED.
7. THE CONTRACTOR SHALL STOCKPILE MILLINGS, WHICH SHALL BE THE PROPERTY OF THE COUNTY.
8. INCLUDES THE COST OF CHANGEABLE MESSAGE SIGNS.
9. INCLUDES THE COST OF ADDITIONAL DEPTH OF MANHOLES.
10. INCLUDES THE COST OF ADDITIONAL DEPTH OF INLETS.

GENERAL CONSTRUCTION NOTES

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC EXCEPT AS NOTED WITHIN THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BARRICADES, LIGHTS, AND SIGNING WITHIN THE LIMITS OF CONSTRUCTION. CONSTRUCTION TRAFFIC CONTROL 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 COMPLIANT WITH APPLICABLE O.D.O.T. STANDARD DRAWINGS.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING TRAFFIC ON CROSS STREETS. A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES.

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

ALL REGULATORY SIGNS SHALL HAVE HIGH INTENSITY SHEETING. THE HIGH INTENSITY SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956-(LATEST REVISION) FOR TYPE III SHEETING.

ALL WARNING SIGNS SHALL HAVE FLUORESCENT YELLOW SHEETING. THE FLUORESCENT YELLOW SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956-(LATEST REVISION) REQUIREMENTS FOR TYPE VIII SHEETING.

ALL GREEN AND BLUE SIGNS ON CONVENTIONAL HIGHWAYS SHALL HAVE HIGH INTENSITY SHEETING. THE HIGH INTENSITY SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956-(LATEST REVISION) FOR TYPE III SHEETING.

ALL PANEL AND OVERHEAD SIGNS SHALL HAVE TYPE III HIGH INTENSITY BACKGROUND WITH TYPE VIII LEGENDS AND BORDERS. THE TYPE III BACKGROUND AND THE TYPE VIII LEGENDS AND BORDERS SHALL MEET THE REQUIREMENTS OF ASTM D4956-(LATEST REVISION).

THE MANUFACTURER SHALL FURNISH A TYPE 'A' CERTIFICATION IN ACCORDANCE WITH ODOT STANDARD SPECIFICATIONS, LATEST EDITION, AND SUBSECTION 106.04. THE CERTIFICATION SHALL INCLUDE TEST RESULTS ON THE MATERIAL SUBMITTED FOR APPROVAL.

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.

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. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

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. COST OF SECOND HANDLING SHALL BE INCLUDED IN OTHER ITEMS OF WORK. ANY REMAINING EXCESS EXCAVATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

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

AREAS ON WHICH SALVAGED TOPSOIL IS TO BE REPLACED SHALL HAVE 18-46-0 FERTILIZER APPLIED, AT THE RATE OF 150 POUNDS PER ACRE, JUST PRIOR TO THE REPLACEMENT OF SALVAGED TOPSOIL.

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 BE FERTILIZED AND WATERED AS CALLED FOR ON THE PLANS, BUT SHALL NOT BE SEEDED, SODDED, OR SPRIGGED.

PIPE UNDERDRAIN QUANTITIES ESTIMATED ONLY. LOCATION, IF AND WHERE REQUIRED, TO BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL REMOVE AND RESET MAILBOXES AS NECESSARY. MAILBOXES ARE TO BE MAINTAINED IN AN UPRIGHT POSITION AND ACCESSIBLE TO MAIL CARRIER'S CAR DURING CONSTRUCTION. ANY DAMAGE TO BOXES OR SUPPORTS SHALL BE REPAIRED BY THE CONTRACTOR. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

SURFACING OF RETURNS, UNLESS OTHERWISE SHOWN ON THE PLANS, SHALL BE OF THE SAME MATERIAL (BASE AND SURFACE) AS THAT OF THE ABUTTING SHOULDER OF THE MAINLINE. BASE AND SURFACE THICKNESS SHALL BE THE THICKNESS SHOWN ON PLANS.

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

IN ACCORDANCE WITH 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 OKIE" 1-800-522-6543 OR 811.

THE CONTRACTOR SHALL PROVIDE A COMPETENT SUPERVISOR EXPERIENCED IN THE PROJECT SCOPE OF WORK AND TRAINED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. DELEGATE AUTHORITY TO THE SUPERVISOR TO MAKE BINDING DECISIONS ON BEHALF OF THE CONTRACTOR AND TO PROVIDE LABOR, EQUIPMENT, AND MATERIAL REQUIRED FOR EFFECTIVE PROJECT WORK PROGRESS. THE CONTRACTOR SHALL HAVE THE SUPERVISOR AVAILABLE ON SITE ANYTIME CONTRACT WORK IS BEING PERFORMED ON THE PROJECT.

REMOVED MATERIALS TO BECOME PROPERTY OF CONTRACTOR AND IT SHALL BE DISPOSED IN A MANNER APPROVED BY THE ENGINEER.

CHIMNEY ROCK HOLLOW
PROJECT No. CN-0632/0633-11
MAYES COUNTY

CHEROKEE NATION
COMMUNITY SERVICES
DEPARTMENT OF TRANSPORTATION
TAHLEQUAH, OKLAHOMA



SUMMARY OF PAY QUANTITIES AND NOTES
(ROADWAY)

DESCRIPTION	REVISIONS	DATE
REVISED QUANTITY		10/01/2020