

JP NO. 33001(04)

PAY QUANTITIES

0100 ROADWAY			
ITEM		DESCRIPTION	UNIT QUANTITY
201(A)	0102	CLEARING AND GRUBBING	LSUM 1
202(H)	0185	EARTHWORK (R-4)	LSUM 1
230(A)	2806	SOLID SLAB SODDING (R-7) (R-8)	SY 2,530
303(A)	2100	AGGREGATE BASE TYPE A	CY 1,080
402(A)	0217	TRAFFIC BOUND SURFACE COURSE TYPE A (R-25)	TON 10
407(B)	0250	TACK COAT	GAL 65
408	5774	PRIME COAT	GAL 46
411(B)	5945	SUPERPAVE, TYPE S3 (PG 64-22 OK)	(R-32) TON 29
411(C)	5960	SUPERPAVE, TYPE S4 (PG 64-22 OK)	(R-32) TON 15
414(A)	0210	P.C. CONCRETE PAVEMENT (PLACEMENT)	SY 161
414(G)	5275	P.C. CONCRETE FOR PAVEMENT	CY 36
609(A)	0300	CONCRETE CURB (6" BARRIER - INTEGRAL)	LF 356
610(A)	0602	4" CONCRETE SIDEWALK (SP-1)	SY 3,370
610(B)	0604	6" CONCRETE DRIVEWAY	SY 1,152
610(G)	0617	ASPHALT DRIVEWAY	TON 31
610(I)	4610	TACTILE WARNING DEVICE-NEW	SF 320
612(E)	0647	VALVE BOXES ADJUST TO GRADE	EA 3
612(I)	0652	WATER METER RESET	EA 1
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS (R-48) (R-49)	LSUM 1
619(B)	4726	REMOVAL OF CURB AND GUTTER (R-49) (R-50)	LF 252
619(B)	4727	REMOVAL OF CONCRETE PAVEMENT (R-49) (R-50)	SY 207
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT (R-49) (R-50)	SY 227
619(B)	4766	REMOVAL OF CONCRETE DRIVEWAY (R-49) (R-50)	SY 1,950
619(B)	4767	REMOVAL OF ASPHALT DRIVEWAY (R-49) (R-50)	SY 41
619(C)	0924	SAWING PAVEMENT	LF 2,063
629(E)	5048	REMOVE AND RESET MAILBOX	EA 6

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PAY QUANTITIES

0600 CONSTRUCTION STAKING			
ITEM		DESCRIPTION	UNIT QUANTITY
642(A)	0095	CONSTRUCTION STAKING LEVEL I (SP-2)	LSUM 1

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PAY QUANTITIES

0640 CONSTRUCTION			
ITEM		DESCRIPTION	UNIT QUANTITY
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM 1
641	1552	MOBILIZATION	LSUM 1

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PAY QUANTITIES

0300 TRAFFIC			
ITEM		DESCRIPTION	UNIT QUANTITY
805(A)	8724	(PL)REMOVAL OF EXISTING SIGNS (TS-41)	EA 1
805(D)	8756	(PL)REMOVE & RESET EXISTING SIGNS	EA 4
855(A)	8814	TRAFFIC STRIPE (PLASTIC) (8" WIDE) (TS-21)(SP-4)	LF 1,284
855(A)	8825	TRAFFIC STRIPE (PLASTIC) (24" WIDE) (TS-23)(SP-4)	LF 1,214
880(J)	8905	CONSTRUCTION TRAFFIC CONTROL (TC-26)(TC-84)	LSUM 1

JP NO. 32403(04)

PAY QUANTITIES

0300 TRAFFIC			
ITEM		DESCRIPTION	UNIT QUANTITY
836	8425	REGULATORY OR WARNING SIGN ASSEMBLY (SP-3)	EA 4
855(A)	8814	TRAFFIC STRIPE (PLASTIC) (8" WIDE) (TS-21)(SP-4)	LF 40
855(A)	8825	TRAFFIC STRIPE (PLASTIC) (24" WIDE) (TS-23)(SP-4)	LF 52

GENERAL CONSTRUCTION NOTES

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

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.

THE CITY OF TUTTLE WILL RETAIN AN ODOT CERTIFIED INSPECTOR TO BE RESPONSIBLE FOR ENSURING THE WORK IS DONE IN ACCORDANCE WITH CONTRACT REQUIREMENTS AND 2009 ODOT STANDARD SPECIFICATIONS.

ALL MATERIALS TESTING MUST BE PERFORMED BY AN ODOT CERTIFIED LABORATORY.

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.

ANY SIGNS AND/OR DELINEATORS WHICH ARE TO BE REMOVED DURING THIS PROJECT WILL BE STORED IN A PROTECTED AREA DESIGNATED BY THE RESIDENT ENGINEER, UNTIL SUCH A TIME THAT THEY ARE TO BE RESET BY THE CONTRACTOR. COST OF THIS WORK TO BE INCLUDED IN OTHER ITEMS OF WORK.

ALL FEATURES OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO: SIDEWALKS, CURB RAMPS, AND CROSSWALK MARKINGS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES (ADAAG). WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT COMPLIANCE WITH THE ADAAG, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURE(S). THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK WHICH IS NOT IN FULL COMPLIANCE WITH THE ADAAG WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADAAG, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECT AT THE CONTRACTOR'S EXPENSE.

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 OKIE" 1-800-522-6543 OR 811.

ALL WHEELCHAIR RAMP CURBS SHALL BE INCLUDED IN COST OF SIDEWALK.

CROSS SLOPES OF SIDEWALKS SHALL NOT EXCEED 1:50.

CURB RAMPS:

- TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20.
- ANY RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR OR HAVE CURB RAMPS AT BOTH SIDES AND A LEVEL AREA AT LEAST 48 INCHES LONG BETWEEN THE CURB RAMPS IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSINGS.

RAMPS:

- THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1:12. THE MAXIMUM RISE FOR ANY RUN SHALL BE 30 INCHES.
- RAMPS SHALL HAVE LEVEL LANDINGS AT BOTTOM AND TOP OF EACH RAMP AND EACH RAMP RUN. LANDINGS SHALL BE AT LEAST AS WIDE AS THE RAMP RUN LEADING TO IT. THE LANDING LENGTH SHALL BE A MINIMUM OF 60 INCHES CLEAR.

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

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

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

ALL BROKEN CONCRETE INCLUDING OLD SIGN FOOTINGS WITH STUBS, WASTE MATERIAL, AND DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN AN AREA APPROVED BY THE ENGINEER. NO PAYMENT SHALL BE MADE FOR THE DISPOSAL OF THIS MATERIAL. ANY PIPE, POST, OR WIDE FLANGE POST ABOVE THE OLD SIGN FOOTINGS SHALL BE CUT AND HANDLED AS PROPERTY OF THE CITY AND SHALL BE NEATLY STACKED ON THE JOB SITE, AS DESIGNATED BY THE ENGINEER UNTIL SUCH TIME AS CITY PERSONNEL CAN REMOVE THE MATERIAL FROM THE JOB SITE.

THE STATIONS AND LOCATIONS OF THE SIGN PLACEMENT, AS SHOWN ON THE PLAN SHEETS, ARE APPROXIMATE. EXACT STATIONS AND LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH THE DEPARTMENT STANDARDS AND THE MUTCD IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES, OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE NOTIFIED.

AFTER REMOVAL OF ANY SIGN FOOTINGS, THE HOLES SHALL BE FILLED WITH SOIL AND TAMPED AND SHAPED IN A MANNER APPROVED BY THE ENGINEER.

FOR NEW OR EXISTING GROUND MOUNTED SIGNS, MAXIMUM STUB POST PROJECTION ABOVE FOOTING/GROUND LINE SHALL BE 1-3/4" ± 1/4". MAXIMUM FOOTING PROJECTION ABOVE GROUND LINE SHALL BE NO MORE THAN 2". SHOULD ADDITIONAL SOIL BE NEEDED, THE ENGINEER WILL DESIGNATE AN AREA TO OBTAIN ADDITIONAL SOIL. ALL ASSOCIATED COSTS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL MEET ODOT'S "QUALITY STANDARDS FOR TEMPORARY TRAFFIC CONTROL DEVICES".

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 1-800-522-6543 OR 811.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE ODOT STANDARDS AND DETAIL DRAWINGS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

PAY QUANTITY NOTES

- (R-4) INCLUDES 50 C.Y. FOR DRIVEWAYS, RETURNS, DIKES, AND MISCELLANEOUS EARTHWORK.
- (R-7) PRICE BID TO INCLUDE COST OF 520 POUNDS OF (10-20-10) FERTILIZER; ESTIMATED AT 200 POUNDS PER 1000 S.Y. OF SODDING.
- (R-8) PRICE BID TO INCLUDE COST OF 104 K-GALLONS WATERING, ESTIMATED AT 40 GALLONS PER S.Y.
- (R-25) ESTIMATED AT 120 LBS. PER CU. FT.
- (R-32) ESTIMATED AT 112 LBS. PER SQ. YD. PER 1" THICK.
- (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-49) TO BECOME THE PROPERTY OF AND BE DISPOSED OF BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.
- (R-50) MATERIALS REMOVED SHALL NOT BE MEASURED FOR PAYMENT UNDER SECTION 202.06 UNCLASSIFIED EXCAVATION.
- (TC-26) 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 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.
- (TC-84) 150 CONSTRUCTION CALENDAR DAYS WERE USED TO COMPUTE THE SIGN DAY PAY THE AMOUNT OF CALENDAR DAYS USED TO COMPUTE THE SIGN DAY PAY ITEMS IS AN ESTIMATED QUANTITY ONLY, BASED ON THE CURRENT O.D.O.T. STANDARDS AND SUGGESTED CONSTRUCTION SEQUENCE FOR THIS PROJECT. THESE ESTIMATED SIGN DAY QUANTITIES MAY CHANGE AS THE PROJECT'S CONSTRUCTION TRAFFIC CONTROL IS MODIFIED DURING CONSTRUCTION.
- (TS-21) QUANTITY SHOWN INCLUDES 1,324 L.F. TRAFFIC STRIPE (PLASTIC) (WHITE) AND 0 L.F. TRAFFIC STRIPE (PLASTIC) (YELLOW) AND WILL BE MEASURED BY THE LINEAR FOOT OF EIGHT INCH (8") WIDE TRAFFIC STRIPE.
- (TS-23) QUANTITY SHOWN INCLUDES 1,256 L.F. TRAFFIC STRIPE (PLASTIC) (WHITE) AND WILL BE MEASURED BY THE LINEAR FOOT OF TWENTY-FOUR INCH (24") WIDE TRAFFIC STRIPE.
- (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.
- (SP-1) QUANTITY INCLUDES MATERIALS AND PLACEMENT OF A.D.A. RAMPS.
- (SP-2) ESTABLISHMENT AND RE-ESTABLISHMENT OF HORIZONTAL AND VERTICAL CONTROL, INCLUDING THE SETTING AND RE-SETTING OF BENCHMARKS AND THE STAKING AND RE-STAKING OF RIGHT-OF-WAY, WILL BE INCLUDED IN THE PRICE BID FOR STAKING.
- (SP-3) QUANTITY INCLUDES POLYPROPYLENE FIBERS ADDED TO THE PCC AT A RATE SPECIFIED BY THE MANUFACTURER. MIX CONCRETE UNIFORMLY TO DISTRIBUTE THE FIBER.
- QUANTITY INCLUDES TWO (2) FULL ASSEMBLY SOLAR LED DUAL FLASHING SCHOOL ZONE SIGNS AND TWO (2) FULL ASSEMBLY SOLAR LED FLASHING PEDESTRIAN CROSSING SIGNS WITH PUSH BUTTON ACTIVATION.
- THE TWO (2) SOLAR LED DUAL FLASHING SCHOOL ZONE SIGNS SHALL INCLUDE THE FURNISHING AND INSTALLATION OF THE FULL ASSEMBLY INCLUDING BUT NOT LIMITED TO POLES, FOOTINGS, SIGNS, LIGHTS, SOLAR COMPONENTS, AND APPURTENANCES.
- THE TWO (2) SOLAR LED FLASHING PEDESTRIAN CROSSING SIGNS WITH PUSH BUTTON ACTIVATION SHALL INCLUDE THE FURNISHING AND INSTALLATION OF THE FULL ASSEMBLY INCLUDING BUT NOT LIMITED TO POLES, FOOTINGS, SIGNS, LIGHTS, SOLAR COMPONENTS, AND APPURTENANCES.
- SIGN ASSEMBLY SHALL BE IN ACCORDANCE WITH THE 2009 ODOT CONSTRUCTION SPECIFICATIONS AND TRAFFIC STANDARDS AND CURRENT MUTCD EDITION.
- (SP-4) PRICE BID TO INCLUDE COST OF REMOVAL OF EXISTING PAVEMENT MARKINGS AS NECESSARY TO COMPLETE THE CROSSWALK STRIPING.

DESIGN	LKN	7/7/17
DRAWN	TJW	7/7/17
CHECKED	SKF	7/7/17
APPROV.	SKF	7/7/17
SQUAD	CGE	

GRADY COUNTY
**SUMMARY OF PAY
 QUANTITIES AND NOTES**
 JOB PIECE NO. 33001(04)_ SHEET NO. 2