

PAY QUANTITIES					JP 21899(04)
ROADWAY	0100				
ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QUANTITY	
201(A)	0102	CLEARING AND GRUBBING	(1) LSUM	1	
202(A)	0183	UNCLASSIFIED EXCAVATION	(21)(R-1) CY	129349	
202(B)	0105	MUCK EXCAVATION	△ (16)(17) CY	11500	
202(C)	0182	ROCK EXCAVATION	(18) CY	5000	
202(D)	0184	UNCLASSIFIED BORROW	△ (R-1)(R-4) CY	45682	
205(A)	4229	TYPE A-SALVAGED TOPSOIL	(R-5)(R-7) LSUM	1	
221(C)	2801	TEMPORARY SILT FENCE	(2) LF	10121	
221(D)	2803	TEMPORARY SEDIMENT FILTER	(2) EA	52	
221(F)	0100	TEMPORARY SILT DIKE	(2) LF	1995	
221(G)	0151	TEMPORARY ROCK FILTER DAM TYPE 2	(2) CY	35	
221(G)	0152	TEMPORARY ROCK FILTER DAM TYPE 3	(2) CY	200	
221(H)	0450	(PL) TEMPORARY INLET SEDIMENT FILTER	(2) EA	10	
230(A)	2806	SOLID SLAB SODDING	(R-7)(R-8) SY	89032	
232(B)	2814	SEEDING METHOD B	(R-7)(4) AC	18.43	
233(A)	2817	VEGETATIVE MULCHING	(R-11) AC	40.00	
241	2832	MOWING	(R-16) AC	36.86	
242	0400	(PL) STABILIZED CONSTRUCTION EXT	(9)(12) EA	4	
303(A)	2100	AGGREGATE BASE TYPE A	(25) CY	42518	
307(K)	4300	STABILIZED SUBGRADE	(5) SY	199818	
310(B)	0149	SUBGRADE, METHOD B		8173	
317	4270	CEMENT TREATED BASE		23028	
319(A)	5190	OPEN-GRADED BITUMINOUS BASE		122459	
325	5271	SEPARATOR FABRIC		460378	
326(B)	0100	GEOGRID REINFORCEMENT	(23) SY	2000	
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	(19)(R-25) TON	11596	
408	5774	PRIME COAT	(R-28) GAL	105037	
411(B)	5935	SUPERPAVE, TYPE S3(PG 76-28 OK)	(R-30)(R-32) TON	830	
411(B)	5945	SUPERPAVE, TYPE S3(PG 64-22 OK)	(R-30)(R-32) TON	15464	
411(C)	5950	SUPERPAVE, TYPE S4(PG 76-28 OK)	(R-30)(R-32) TON	620	
411(C)	5960	SUPERPAVE, TYPE S4(PG 64-22 OK)	(R-30)(R-32) TON	4807	
411(I)	6310	SUPERPAVE, TYPE S4(PATCH)(PG64-22OK)	(22)(R-30)(R-32) TON	200	
412	5267	COLD MILLING PAVEMENT		620	
414(A)	0210	P.C. CONCRETE PAVEMENT (PLACEMENT)	(R-1) SY	37615	
414(B)	5725	DOWEL JOINTED P.C. CONCRETE PAVEMENT (PLACEMENT)	(R-1) SY	103471	
414(G)	5275	P.C. CONCRETE FOR PAVEMENT	(R-1) CY	41688	
501(A)	0313	STRUCTURAL EXCAVATION UNCLASSIFIED	(15)(R-50) CY	762.4	
504(E)	6190	42" F-SHAPED PARAPET	(7) LF	6709	
509(A)	0319	CLASS AA CONCRETE	(R-1) CY	2498.70	
509(B)	0321	CLASS A CONCRETE	(R-1) CY	274.2	
509(B)	0325	CLASS A CONCRETE (LONG. BAR. DES. 1-A)		296.50	
509(C)	0322	CLASS A CONCRETE, SMALL STRUCTURES	(R-1) CY	36.30	
509(D)	0325	CLASS C CONCRETE	(R-41) CY	103	
510(C)	6335	SLOPE WALL		482	
511(A)	0332	REINFORCING STEEL	(R-1) LB	368590	
511(B)	4269	EPOXY COATED REINFORCING STEEL	(R-1) LB	764	
515(A)	6013	WATER REPELLANT (VISUALLY INSPECTED)	(R-1) SY	8721.20	
601(A)	0297	TYPE 1 PLAIN RIPRAP	(9) TON	50	
609(A)	0380	CONCRETE CURB (8" BARRIER - INTEGRAL)		4051	
609(B)	0384	COMBINED CURB & GUTTER (8" BARRIER)		834	
610(A)	0602	4" CONCRETE SIDEWALK		974	
610(B)	5016	8" CONCRETE DRIVEWAY		2435	
611(A)	2657	MANHOLE (4" DIAMETER)	(11) EA	15	
611(A)	2658	MANHOLE (5" DIAMETER)	(11) EA	4	
611(A)	2659	MANHOLE (6" DIAMETER)	(11) EA	11	
611(A)	2661	MANHOLE (8" DIAMETER)	(11) EA	4	
611(G)	5112	INLET CI DES. 2 (STD)	(R-44) EA	1	
611(G)	5113	INLET CI DES. 2 (B)	(R-44) EA	4	
611(G)	5117	INLET CI DES. 2 (2B)	(R-44) EA	1	
611(G)	5120	INLET CI DES. 3 (STD)	(R-44) EA	4	
611(G)	5121	INLET CI DES. 3 (B)	(R-44) EA	2	
611(G)	5327	INLET GPI TYPE 1 (DES. 1)		1	
611(G)	5699	INLET-LONGITUDINAL BARRIER-TYPE I, DES. 2		9	
611(G)	5700	INLET-LONGITUDINAL BARRIER-TYPE II, DES. 2	(20) EA	21	
611(G)	6000	INLET (SMD-TYPE 1)		1	
611(G)	6002	INLET (SMD-TYPE 2)		6	
611(L)	0487	JUNCTION BOXES	(11) CF	866	
613(A)	0491	18" R.C. PIPE CLASS III	(10)(13) LF	3321.8	
613(A)	0492	24" R.C. PIPE CLASS III	(10)(13) LF	1181	
613(A)	0493	30" R.C. PIPE CLASS III	(10)(13) LF	21	
613(A)	0494	36" R.C. PIPE CLASS III	(10)(13) LF	1811	
613(A)	0495	42" R.C. PIPE CLASS III	(10)(13) LF	1028.1	
613(A)	0496	48" R.C. PIPE CLASS III	(10)(13) LF	628	
613(A)	4498	43"X26" R.C. PIPE ARCH CLASS A-III	(10)(13) LF	46.2	
613(B)	0689	18" CORR. GALV. STEEL PIPE	(R-46) LF	56	
613(B)	0690	24" CORR. GALV. STEEL PIPE	(R-46) LF	502	
613(B)	0691	30" CORR. GALV. STEEL PIPE	(R-46) LF	300	
613(B)	0692	36" CORR. GALV. STEEL PIPE	(R-46) LF	208	
613(H)	0450	6" PERFORATED PIPE UNDERDRAIN ROUND	(23) LF	1500	
613(I)	1096	6" NON-PERF. PIPE UNDERDRAIN RND.	(23) LF	500	
613(J)	5915	EDGE DRAIN CONDUIT-PERFORATED	(6)(14) LF	6100	
613(K)	5916	EDGE DRAIN OUTLET LATERAL-NONPERFORATED	(6)(14) LF	305	
613(L)	4531	43" X 26" PREFAB. CULVERT END SECTION, ARCH		2	
613(L)	5726	18" PREFAB. CULVERT END SECTION, ROUND		3	
613(L)	5734	36" PREFAB. CULVERT END SECTION, ROUND		1	

PAY QUANTITIES CONTINUED					JP 21899(04)
ROADWAY	0100				
ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QUANTITY	
613(L)	5736	42" PREFAB. CULVERT END SECTION, ROUND	EA	1	
613(Q)	5946	OUTLET LATERAL HEADWALL	(9) EA	10	
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(R-1)(R-48)(R-49)(R-50)(3) LSUM	1	
619(B)	4727	REMOVAL OF CONCRETE PAVEMENT	(R-1)(R-49)(R-50) SY	4486	
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	△ (27)(R-1)(R-49)(R-50) SY	112044	
619(B)	4763	REMOVAL OF CONCRETE PAVEMENT W/ASPHALT OVERLAY	(R-1)(R-49)(R-50) SY	3812	
619(B)	4780	REMOVAL OF GUARDRAIL	(R-1)(R-49)(R-50) LF	1748	
619(B)	4915	REMOVAL OF CONCRETE MEDIAN BARRIER	(R-1)(R-49)(R-50) LF	320	
623(A)	0932	BEAM GUARDRAIL W-BEAM SINGLE	LF	125	
623(G)	8590	GUARDRAIL END TREATMENT (31")	EA	4	
623(I)	8700	GUARDRAIL BRIDGE CONN-THRIE BEAM (31")	EA	4	
624(A)	4281	FENCE-STYLE VWWF	(R-52) LF	300	
624(E)	4293	FENCE-STYLE CLF (6' HIGH, CLASS B)	(R-52) LF	10571	
624(F)	5964	GATES-STYLE CLF (6' HIGH X 16' LONG)		4	
624(F)	5966	GATES-STYLE CLF (6' HIGH X 18' LONG)		1	
627(A)	4317	CONCRETE LONGITUDINAL BARRIER, DESIGN 1	(7) LF	4700	
629(E)	5048	REMOVE AND RESET MAILBOX	EA	8	
871(A)	8325	(SP) IMPACT ATTENUATOR	(8) EA	11	
JP 21899(04)					
STAKING 0600					
642(B)	0096	CONSTRUCTION STAKING LEVEL II	LSUM	1	
JP 21899(04)					
CONSTRUCTION 0640					
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1	
640(A)	1426	FIELD OFFICE	EA	1	
641	1552	MOBILIZATION	LSUM	1	

PAY ITEM NOTES

- (R-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS.
- (R-4) INCLUDES 200 CU. YDS. FOR DRIVEWAYS, RETURNS, DIKES, AND MISCELLANEOUS EARTHWORK.
- (R-5) AN ESTIMATED QUANTITY OF 12,366 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-7) FOR TYPE A-SALVAGED TOPSOIL PRICE BID TO INCLUDE COST OF 18 - 46 - 0 FERTILIZER, ESTIMATED AT 150 POUNDS PER ACRE. FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF 10 - 20 - 10 FERTILIZER, ESTIMATED AT 200 POUNDS PER 1000 S.Y. FOR SEEDING PRICE BID TO INCLUDE COST OF 10 - 20 - 10 FERTILIZER, ESTIMATED AT 300 POUNDS PER ACRE.
- (R-8) FOR SOLID SLAB SODDING 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 40 ACRES.
- (R-16) QUANTITY BASED ON TWO APPLICATIONS.
- (R-25) ESTIMATED AT 120 LBS. PER CU. FT.
- (R-28) PRIME COAT SHALL BE APPLIED AT AN ESTIMATED RATE OF 0.35 GAL. PER SQ. YD. WHEN APPLIED TO SUBGRADE, AND 0.25 GAL. PER SQ. YD. WHEN APPLIED TO 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-30) PRICE BID TO INCLUDE COST OF 7660 GALLONS OF TACK COAT, MEETING THE REQUIREMENTS OF SECTION 407 OF THE STANDARD SPECIFICATIONS.
- (R-32) ESTIMATED AT 112 LBS. PER SQ. YD. PER 1" THICK.
- (R-41) QUANTITY INCLUDES AN ESTIMATED 10 C.Y. TO BE USED AS DIRECTED BY THE ENGINEER.
- (R-44) PRICE BID TO INCLUDE COST OF 54-8" BARRIER CURB HOODS.
- (R-46) ANY DRAINAGE STRUCTURE DESCRIBED AS TEMPORARY, SHALL AFTER COMPLETION OF THE PROJECT, BE REMOVED BY AND BECOME THE PROPERTY OF THE CONTRACTOR.
- (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.
- (R-52) INCLUDES 2% FOR GROUND MEASUREMENT.
- (1) ALL TREE REMOVAL TO BE INCLUDED IN PRICE BID FOR CLEARING AND GRUBBING, EVEN WHEN TREES ARE NOT SHOWN ON THE PLANS. TREES OUTSIDE THE TOE OF SLOPE NOT INTERFERING WITH CONSTRUCTION SHALL BE LEFT IN PLACE UNLESS THE TREE TYPE IS EASTERN RED CEDAR. SEE SPECIAL PROVISION 201-1.
- (2) PRICE BID SHALL INCLUDE COST OF MAINTENANCE AND REMOVAL OF SILT DURING CONSTRUCTION WHEN HALF FULL, OR AS DIRECTED BY THE ENGINEER.

PAY ITEM NOTES CONT'D

- (3) APPROXIMATE LOCATIONS FOR ITEMS TO BE REMOVED BY THE CONTRACTOR INCLUDE, BUT NOT LIMITED TO, THE ITEMS LISTED IN SUMMARY CHART ON SHEET 12. ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED CONDITION. CONDITION AND LOCATION OF THESE ITEMS CANNOT BE GUARANTEED. REMOVAL ALSO INCLUDES ALL PIPES, RCB'S, HEADWALLS, AND OTHER ITEMS DEEMED BY THE ENGINEER TO CLEAR THE RIGHT OF WAY.
- (4) PRICE BID FOR TEMPORARY SEEDING SHALL INCLUDE WATERING AS REQUIRED TO ESTABLISH AND MAINTAIN PLANTING.
- (5) PRICE BID TO INCLUDE THE CHEMICAL ADDITIVE(S) TO ACHIEVE THE RATE SPECIFIED FOR THE APPROPRIATE SOIL CLASSIFICATION AS SPECIFIED IN THE MOST CURRENT ODOT MATERIALS DIVISION OHD L-50. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLASSIFY THE SOIL AND DETERMINE THE APPROPRIATE ADDITIVE(S).
- (6) TYPICAL PIPE DIAMETER IS 6", LOCATIONS OF VARIANCE ARE SHOWN IN EDGE DRAIN SUMMARY, SHEET 22. PRICE TO BE BID ACCORDINGLY.
- (7) PRICE BID TO INCLUDE COST OF BARRIER DELINEATOR UNITS. INSTALLATION SHALL BE PER CLB-1-2. ADDITIONALLY FOR F-SHAPED PARAPET SHALL INCLUDE COST OF REINFORCING STEEL TO TIE TO THE SHOULDER.
- (8) ATTENUATORS SHALL BE QUADGUARD ELITE, SCI-100 GM (SMART CUSHION) OR APPROVED EQUAL WITHIN THE SAME CATEGORY. ATTENUATOR SHALL BE REDIRECTIVE, NON-GATING, AND MEET ALL NCHRP-350 TL-3 REQUIREMENTS AND OKLAHOMA DEPARTMENT OF TRANSPORTATION'S IMPACT ATTENUATORS GUIDELINES MATRIX. FOR A COPY OF THIS TABLE VISIT THE OKLAHOMA DEPARTMENT OF TRANSPORTATION TRAFFIC DIVISION WEBSITE AT WWW.OKLADOT.STATE.OK.US/TRAFFIC/PDFFS/ATTENUATORGUIDELINE.PDF PRICE BID TO INCLUDE MATERIAL, LABOR, AND INCIDENTALS REQUIRED TO CONSTRUCT FOOTING PAD PER MANUFACTURER'S SPECIFICATIONS.
- (9) ESTIMATED QUANTITY TO BE USED IN AREAS AS DIRECTED BY THE ENGINEER.
- (10) PRICE BID SHALL INCLUDE COST FOR TRENCH EXCAVATION AND STANDARD BEDDING MATERIAL.
- (11) MASONRY MANHOLES, INLETS, JUNCTION BOXES, ETC. SHALL NOT BE USED.
- (12) SEE DETAILS AND MATERIAL REQUIREMENTS ON SHEET 178.
- (13) PRICE BID SHALL INCLUDE COST OF APPROVED TONGUE AND GROOVE GASKET JOINT.
- (14) PRICE BID SHALL INCLUDE COST OF TRENCH EXCAVATION, BACKFILL, AND CONNECTION TO STORM SEWER STRUCTURES.
- (15) PRICE BID SHALL INCLUDE AN ESTIMATED 100 C.Y. OF ROCK EXCAVATION OF TOTAL.
- (16) ESTIMATED QUANTITY BASED ON DATA OBTAINED FROM GEOTECHNICAL REPORTS. QUANTITY ESTIMATED BASED ON EXCAVATION UNDER WIDENED EMBANKMENT SECTIONS TO A DEPTH OF ONE FOOT. COST OF PROOF ROLLING SHALL BE INCLUDED IN PRICE BID. CONTRACTOR SHALL RECEIVE APPROVAL PRIOR TO COMMENCING WORK.
- (17) PRICE BID SHALL INCLUDE MATERIAL TO REPLACE VOLUME OF MUCK EXCAVATION.
- (18) ESTIMATED QUANTITY BASED ON DATA OBTAINED FROM GEOTECHNICAL REPORTS. QUANTITY ESTIMATED BASED ON EXCAVATION BETWEEN 767+00 TO 780+00 RT. CONTRACTOR SHALL RECEIVE APPROVAL PRIOR TO COMMENCING WORK.
- (19) QUANTITY PAID WILL BE BASED ON TONS/FOOT PER MAINLINE SECTION
- (20) QUANTITY INCLUDES INLETS IN SUPERELEVATION. SEE DETAIL SHEET 11.
- (21) QUANTITY SHALL BE REDUCED IN AN EQUAL AMOUNT TO ANY "ROCK EXCAVATION" PAID.
- (22) PRICE BID SHALL INCLUDE COST OF ALL LABOR, MATERIALS, REMOVALS AND INCIDENTALS TO CONSTRUCT PATCHES IN EXISTING PAVING AS DIRECTED BY THE ENGINEER. FOR ASPHALT PATCHING, CONTRACTOR MAY USE A COLD MIX MATERIAL APPROVED BY THE ENGINEER
- (23) FOR USE IN AREAS WHERE HIGH GROUND WATER ELEVATION OCCUR PER DIRECTION OF ENGINEER.
- (24) ESTIMATED QUANTITY PER GEOTECHNICAL REPORTS REGARDING SEASONAL PERCHED WATER TABLE. PRICE TO INCLUDE TRENCHING AND BACKFILL/COVER MATERIAL
- (25) TOTAL INCLUDES AN ESTIMATED QUANTITY OF 5000 CY FOR USE AS DIRECTED BY ENGINEER IF SUBSURFACE CONDITIONS WARRANT.
- (26) PRICE BID TO INCLUDE COST OF SAWING PAVEMENT.
- △ (27) PRICE BID TO INCLUDE COST OF AGGREGATE BASE REMOVAL.

DESIGN	AKS	6/4	TULSA & ROGERS COUNTY
DRAWN	TML	6/4	
CHECKED	KMM	6/16	
APPROVED			
SQUAD	GARVER		STATE JOB NO. 21899(04) SHEET NO. 12