TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	41005-3240-94 QUANTITY	41005-8240-14 QUANTITY	TOTAL QUANTITY
(1)(2)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	75	2025	2100
(1)	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	0	200	200
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	0	70	70
(3)	411-02.10	ACS MIX(PG70-22) GRADING D	TON	0	10614	10614
	411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	11.49	0	11.49
(4)	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	0	12580	12580
(1)(5)	604-10.07	CONCRETE REMOVAL	LS	0	1	1
(1)(5)	604-10.08	CONCRETE	LS	0	1	1
	607-37.02	18" CORRUGATED METAL PIPE CULVERT	L.F.	0	25	25
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	25	0	25
	705-04.05	GUARDRAIL TERMINAL (TYPE-IN-LINE)	EACH	1	0	1
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	3	0	3
	706-01	GUARDRAIL REMOVED	L.F.	75	0	75
	706-06.03	RADIUS RAIL	L.F.	25	0	25
(6)	712-01	TRAFFIC CONTROL	LS	0	1	1
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	0	25	25
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	0	4	4
(7)(8)	712-06	SIGNS (CONSTRUCTION)	S.F.	0	1270	1270
(12)	713-15.36	REMOVE SIGN, SUPPORT & FOOTING	EACH	3	0	3
	713-16.05	RAILROAD CROSS-BUCK SIGN & SUPPORT	EACH	4	0	4
	713-16.09	RAILROAD ADVANCE WARNING SIGN AND SUPPORT	EACH	3	0	3
	713-16.20	SIGNS (R1-2, YIELD SIGN)	EACH	2	0	2
	716-01.21	SNWPLWBLE PVMT MRKRS (BI-DIR)(1 COLOR)	EACH	631	0	631
	716-01.22	SNWPLWBLE PVMT MRKRS (MONO-DIR)(1 COLOR)	EACH	80	0	80
(9)	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	0	75	75
(9)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	0	48	48
(9)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	0	10	10
(9)	716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EACH	3	0	3
(10)	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	0	34.26	34.26
(11)	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	34.26	0	34.26
	717-01	MOBILIZATION	LS	0	1	1

FOOTNOTES

(1) TO BE USED AS DIRECTED BY THE PROJECT ENGINEER.

(2) INCLUDES 75 TONS TO BE USED FOR GUARDRAIL END TERMINALS.

(3) INCLUDES 680 TONS FOR COUNTY ROADS, BUSINESS ENTERANCES, PRIVATE DRIVES, FIELD ENTRANCES, STATE ROUTES, EXTRA WIDTH FOR SHOULDER FROM LM 13.101 TO LM 13.445, TURN LANES @ VARIOUS LOCATIONS FROM LM 13.904 TO LM 17.920 AND SR-100 INTERSECTION @ LM 17.920. USE RIDEABILITY SPECIFICATION SEE SPECIAL PROVISION NO. 411C, USE MATERIAL TRANSFER DEVICE, SEE SPECIAL PROVISION NO. 407G AND SPECIAL PROVISION NO. 407SE.

(4) INCLUDES 808 TONS FOR EXTRA WIDTH FOR SHOULDER FROM LM 13.101 TO LM 13.445, TURN LANES @ VARIOUS LOCATIONS FROM LM 13.904 TO LM 17.920 AND SR-100 INTERSECTION @ LM 17.920.

(5) ADDITIONAL WORK REQUIRED @ LM 13.435 RT. TO REMOVE EXISTING GUARDRAIL AND REPAIR CONCRETE DITCH AFTER GUARDRAIL INSTALLATION.

(6) THE CONTRACTOR SHALL COMPLY WITH SECTION 712 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION REGARDING TEMPORARY TRAFFIC CONTROL AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

(7) SEE SIGN TABULATION BLOCK THIS SHEET FOR DETAILS.

(8) IN THE EVENT THAT A CONSTRUCTION AND/OR REGULATORY SIGN IS TEMPORARILY DESIGNATED NOT IN USE DURING THE CONSTRUCTION PHASE OF A PROJECT, THE CONTRACTOR SHALL CHOOSE A SIGN COVERING METHOD FROM A DESIGNATED LIST OF METHODS ACCEPTED BY THE DEPARTMENT. SAID SIGN COVERING METHOD SHALL BE SELECTED FROM QUALIFIED PRODUCTS LIST 10, SECTION D OR APPROVED BY THE DIVISION OF MATERIALS AND TEST AND SHALL BE USED TO COVER THESE SIGNS. NO OTHER METHOD FOR SIGN COVERING WILL BE ALLOWED. TEMPORARY SIGN COVERINGS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.

(9) THE CONTRACTOR MAY ELECT TO SUBSITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.

(10) QUANTITY BASED ON 5% NO PASS ONE SIDE AND 95% NO PASS BOTH SIDES AND EDGELINES, TO BE USED ON THE FIRST LAYER OF PAVEMENT.

(11) QUANTITY BASED ON 5% NO PASS ONE SIDE AND 95% NO PASS BOTH SIDES AND EDGELINES, TO BE USED ON THE FINAL LAYER OF PAVEMENT. SEE SPECIAL PROVISION NO. 716ST.

(12) RAILROAD ADVANCE WARNING SIGNS.

ESTIMATED BRIDGE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	41005-4240-04 QUANTITY
604-10.50	BRIDGE DECK REPAIRS (PARTIAL DEPTH OF SLAB)	S.Y.	5
617-04.01	TYPE 1 THIN EPOXY OVERLAY (EPOXY-URETHANE)	S.Y.	7260

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2014	STP/HSIP-48(49)	2
BRIDGE REPAIR	2014	41005-4240-04	2

REV. 01-28-14: ADDED BRIDGE REPAIR PROJECT NUMBER TO PROJECT NO. BLOCK AND ADDED ESTIMATED BRIDGE QUANTITIES BLOCK.

SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE	712-06 S.F.
2	G20-1	ROAD WORK NEXT 7.72 MILES	48 x 24	16
2	G20-2	END ROAD WORK	48 x 24	16
2	W20-1	ROAD WORK 1500'	48 x 48	32
2	W20-1	ROAD WORK 1000'	48 x 48	32
2	W20-1	ROAD WORK 500'	48 x 48	32
62	W20-1	ROAD WORK AHEAD	48 x 48	992
2	W20-4	ONE LANE ROAD 1000' - PORTABLE	36 x 36	18
2	W20-7a	FLAGGER SYMBOL - PORTABLE	36 x 36	18
2	W16-2	SUPPLEMENTAL PLATE	24 x 18	6
2	W21-2	FRESH OIL - PORTABLE	36 x 36	18
2	W21-5	SHOULDER WORK - PORTABLE	36 x 36	18
2	W8-9a	SHOULDER DROP-OFF - PORTABLE	36 x 36	18
6	W8-11	UNEVEN LANES - PORTABLE	36 x 36	54
		TOTAL S.F.		1270

OTHER SIGNS, AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION AND WILL BE MEASURED AND PAID FOR AT THE UNIT BID PRICE. SEE CURRENT M.U.T.C.D. FOR STANDARDS AND TYPICAL APPLICATIONS.

GUARDRAIL

LOCATION (L.M.)	SIDE LT	SIDE RT	GUARDRAIL SINGLE 705-02.02 (L.F.)	TYPE IN-LINE 705-04.05 EACH	ANCHOR TYPE 38 705-04.07 (EACH)	GUARDRAIL REMOVED 706-01 (L.F.)	RADIUS RAIL 706-06.03 (L.F.)
LM 13.939	X				1	25	
LM 13.440		X	25		1	12.5	
LM 13.435	X				1	25	
LM 14.263		X		1		12.5	25
			25	1	3	75	25

Pre-Construction Ride Numbers

Test Performed by TDOT Road Profiler									Average Roughness
Test Limits		Direction and Measured Roughness (HC-IRI Number Per Mile)							Pre-Constuction
Mile				Pre Ride	Payment	Max. # for	Min. Required	Percent	HC-IRI Number Per Mile
From	To	NSEW	*Lane	Number	Table	Final Ride	%Improvement	Pay	76.8
0.00	1.00	N	1	96	Table 2	67.2	30	100	
1.00	2.00	N	1	77	Table 1	55.0		100	
2.00	3.00	N	1	74	Table 1	55.0		100	
3.00	4.00	N	1	93	Table 2	65.1	30	100	
4.00	5.00	N	1	88	Table 2	61.6	30	100	
5.00	6.00	N	1	54	Table 1	55.0		100	
6.00	7.00	N	1	55	Table 1	55.0		100	
7.00	7.65	N	1	71	Table 1	55.0		100	REMARKS
0.00	1.00	S	1	69	Table 1	55.0		100	FROM WEST END AVE
1.00	2.00	S	1	64	Table 1	55.0		100	TO SR 230
2.00	3.00	S	1	66	Table 1	55.0		100	
3.00	4.00	S	1	89	Table 2	62.3	30	100	(LM 12.97 TO LM 20.69)
4.00	5.00	S	1	70	Table 1	55.0		100	
5.00	6.00	S	1	74	Table 1	55.0		100	
6.00	7.00	S	1	75	Table 1	55.0		100	
7.00	7.63	S	1	114	Table 2	79.8	30	100	

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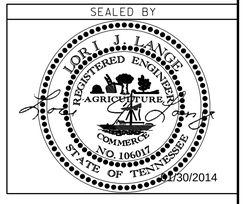

2/30/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES & SIGN TABULATED QUANTITIES

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