TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2014	NH/HSIP-10(57)	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 75006-8227-14	SAFETY 75006-3227-94	TOTAL QUANTITY
1	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	500	0	500
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	54	0	54
2, 3, 4	411-01.10	ACS MIX(PG64-22) GRADING D	TON	8337	0	8279
5	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	8258	0	8258
	611-01.20	ADJUSTMENT OF EXISTING MANHOLE	EACH	8	0	8
	701-02.01	CONCRETE CURB RAMP (RETROFIT)	S.F.	0	2706	2706
	716-10.30	TRUNCATED DOME DETECTABLE WARNING MAT	S.F.	0	294	294
6	712-01	TRAFFIC CONTROL	LS	1	0	1
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	25	0	25
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	4	0	4
7	712-06	SIGNS (CONSTRUCTION)	S.F.	456	0	456
	712-08.03	ARROW BOARD (TYPE C)	EACH	2	0	2
	716-01.21	SNOWPLOWABLE PAVEMENT MARKERS (Bi-Dir)(1 Color)	EACH	0	240	240
8	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	71	0	71
8	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	559	0	559
8	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	34	0	34
8	716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	4	0	4
8	716-04.02	PLASTIC PAVEMENT MARKING(DOUBLE TURNING ARROW)	EACH	4	0	4
8	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	8	0	8
	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	16.23	0	16.23
	716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	44	0	44
	716-12.01	ENHANCED FLATLINE THERMO PVMT MRKNG (4IN LINE)	L.M.	16.23	0	16.23
	730-14.02	SAW SLOT	L.F.	15000	0	15000
	730-14.03	LOOP WIRE	L.F.	32400	0	32400
	717-01	MOBILIZATION	LS	1	0	1

FOOTNOTES

1. TO BE USED AS DIRECTED BY THE ENGINEER FOR SPOT LEVELING.
2. FOR RIDEABILITY, SEE SPECIAL PROVISION 411C.
3. FOR MATERIAL TRANSFER DEVICE, SEE SPECIAL PROVISION NO. 407G.
4. INCLUDES 57 TONS FOR INTERSECTIONS.
5. INCLUDES 57 TONS FOR INTERSECTIONS.
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. IN THE EVENT THAT A CONSTRUCTION AND/OR REGULATORY SIGN IS TEMPORAIRILY 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).
8. 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.

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	80.0
0.00	1.00	N	1	62	Table 1	55.0		100	
1.00	2.00	N	1	72	Table 1	55.0		100	
2.00	3.00	N	1	69	Table 1	55.0		100	
3.00	3.50	N	1	66	Table 1	55.0		100	
0.00	1.00	N	2	78	Table 1	55.0		100	
1.00	2.00	N	2	77	Table 1	55.0		100	
2.00	3.00	N	2	91	Table 2	63.7	30	100	REMARKS
3.00	3.57	N	2	92	Table 2	64.4	30	100	FROM SR 96
									TO SR 268
0.00	1.00	S	1	65	Table 1	55.0		100	(LM 14.45 TO 17.89)
1.00	2.00	S	1	77	Table 1	55.0		100	
2.00	3.00	S	1	63	Table 1	55.0		100	
3.00	3.41	S	1	78	Table 1	55.0		100	
0.00	1.00	S	2	80	Table 2	56.0	30	100	
1.00	2.00	S	2	97	Table 2	67.9	30	100	
2.00	3.00	S	2	100	Table 2	70.0	30	100	
3.00	3.33	S	2	113	Table 2	79.1	30	100	

HANDICAP RAMPS

LOCATION	NEW	REPAIR	STD. DWG.	NEW 701-02.01 (S.F.)	REPAIR 716-10.30 (S.F.)
INTERSECTION, 14.585	4		RP-H-3, RP-H-9	356	
INTERSECTION, 14.669	4		RP-H-3, RP-H-9	356	
INTERSECTION, 14.870	4		RP-H-3, RP-H-9	356	
INTERSECTION, 15.083	4		RP-H-3, RP-H-9	356	
CITY STREET, 15.170	3		RP-H-3, RP-H-9	294	
CITY STREET, 15.209	2		RP-H-3, RP-H-9	178	
CITY STREET, 15.249	2		RP-H-3, RP-H-9	178	
INTERSECTION, 15.331	4		RP-H-3, RP-H-9	356	
CITY STREET, 15.914	1		RP-H-3, RP-H-9	98	
CITY STREET, 16.045	2		RP-H-3, RP-H-9	178	
INTERSECTION, 17.630		3	RP-H-3, RP-H-9		294
TOTAL				2706	294

UTILITY ADJUSTMENTS

TYPE	OWNER	NUMBER
SEWER MANHOLE	City of Murfreesboro	6
TELEPHONE MANHOLE	Bell South	2
GAS VALVE		0
WATER VALVE	Consolidated Utility	3

STATE STORM DRAIN ADJUSTMENTS

CATCHBASINS	0
MANHOLES	8

SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE	712-06 S.F.
2	G20-1	ROAD WORK NEXT 5.23 MILES	36 x 18	9
2	G20-2	END ROAD WORK	36 x 18	9
2	W20-1	ROAD WORK 1500'	36 x 36	18
2	W20-1	ROAD WORK 1000'	36 x 36	18
2	W20-1	ROAD WORK 500'	36 x 36	18
26	W20-1	ROAD WORK AHEAD	36 x 36	234
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.				456

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.

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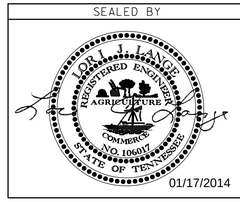

01/17/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

7-JAN-2014 10:50
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