TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	NH/HSIP-55(23)	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 64005-8223-14	SAFETY QUANTITY 64005-3223-94	TOTAL QUANTITY
1	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	500	375	875
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	60		60
2	411-03.12	ACS MIX(PG64-22) THIN LIFT D ASPHALT	TON	8519		8519
	411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.		14.5	14.5
7	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	265		265
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.		200	200
	705-04.05	GUARDRAIL TERMINAL (TYPE-IN-LINE)	EACH		1	1
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH		15	15
	706-01	GUARDRAIL REMOVED	L.F.	788		788
	706-06.03	RADIUS RAIL	L.F.		25	25
3	712-01	TRAFFIC CONTROL	LS	1		1
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	25		25
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	4		4
4	712-06	SIGNS (CONSTRUCTION)	S.F.	683		683
	716-01.21	SNWPLWBLE PVMT MRKRS (BI-DIR)(1 COLOR)	EACH		766	766
8	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	179		179
8	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	655		655
8	716-02.06	PLASTIC PAVEMENT MARKING (LEFT TURN ARROW)	EACH	7		7
8	716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	1		1
8	716-03.03	PLASTIC WORD PAVEMENT MARKING (STOP AHEAD)	EACH	1		1
8	716-04.02	PLASTIC PAVEMENT MARKING(DOUBLE TURNING ARROW)	EACH	7		7
8	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	4		4
8	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	1		1
5,6	716-13.02	SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	L.M.		28	28
	717-01	MOBILIZATION	LS	1		1

FOOTNOTES

1 INCLUDES 375 TONS TO BE USED AS DIRECTED BY THE ENGINEER FOR GUARDRAIL ANCHORS.

2 INCLUDES 186 TONS FOR COUNTY ROADS, PRIVATE DRIVES, BUSINESS, AND FIELD ENTRANCES.

3 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.

4 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).

5 QUANTITY IS BASED ON 45 % PASS, 22 % NO PASS ONE SIDE, AND 33 % NO PASS BOTH SIDES FOR FINAL PAVEMENT MARKINGS.

6 SEE SPECIAL PROVISION 716ST FOR FINAL PAVEMENT MARKING DETAIL.

7 ITEM TO BE USED FROM L.M. 3.844 TO L.M.3.888 AS WELL AS 10' OF RT SHOULDER FROM L.M. 1.956 TO L.M. 2.107 AND 5' FO RT SHOULDER FROM L.M. 2.640 TO L.M. 2.735.

8 THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.

SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE	712-06 S.F.
2	G20-1	ROAD WORK NEXT 11 MILES	64 x 24	21.3
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
25	W20-1	ROAD WORK AHEAD	48 x 48	400
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.		**683**

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.

THERE ARE NO UTILITY ADJUSTMENTS ON THIS PROJECT

BRIDGE NOTES

LOCATION	LENGTH (FT.)	RECOMMENDATION
L.M. 0.31	142.5'	LEAVE AS IS
L.M. 2.77	40.0'	COLD PLANE 0.75" OF THE EXISTING ASPHALT AND REPLACE WITH 0.75" NEW ASPHALT.
L.M. 3.88	185.0'	LEAVE AS IS
L.M. 4.25	185.0'	LEAVE AS IS
L.M. 5.95	49.0'	COLD PLANE 0.75" OF THE EXISTING ASPHALT AND REPLACE WITH 0.75" NEW ASPHALT.

SPECIAL NOTE

THE CONTRACTOR SHOULD TAKE EXTREME CARE WHEN COLD PLANING THE EXISTING ASPHALT OFF BRIDGE DECK, SO AS NOT TO DAMAGE THE EXISTING DECK, SEALANT AND/OR EXPANSION JOINT MEMBERS (STEEL PLATES, BARS, AND/OR HEADERS).
IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY REPAIRS ON ALL DAMAGED MEMBERS TO THE SATISFACTION OF THE PROJECT ENGINEER AT NO ADDITIONAL COST.

GUARDRAIL

LOCATION (L.M.)	SIDE LT	SIDE RT	GUARDRAIL SINGLE 705-02.02 (L.F.)	TERMINAL 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.)
0.296	X	X	25		2	100	
0.345	X	X	25		2	100	
2.730	X		12.5		1	62.5	
2.762		X	12.5		1	50	
3.916		X	12.5		1	50	
3.695	X		12.5		1	50	
5.897	X		12.5		1	50	
5.904		X	12.5		1	50	
5.929	X		12.5		1	50	
5.934		X	12.5		1	50	
6.142		X	12.5	1		25	25
6.176	X		12.5		1	50	
6.367		X	12.5		1	50	
6.667	X		12.5		1	50	
			200	**1**	**15**	**787.5**	**25**

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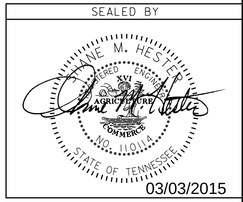

03/03/2015

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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