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

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2014	NH/HSIP-255(13)	2

REV. 01-28-14: ADDED ITEM NOS. 713-11.01, 713-16.20, 713-16.21, 713-16.22, 713-16.23, 713-16.24, 713-16.25, 713-16.26, 713-16.27, 713-16.28, 716-03.10, 716-04.02, 716-04.03, 716-04.15, 716-12.02, 716-12.04 AND 716-12.05. CHANGED QUANTITY ON ITEM NOS. 716-02.04, 716-02.09, 716-04.05, 716-04.12, 716-05.01 AND 716-12.01. ADDED FOOTNOTE NO. 14.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	19084-3217-94 QUANTITY	19084-8217-14 QUANTITY	TOTAL QUANTITY
(1)(2)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	100	250	350
(1)	307-01.15	ASC MIX (PG64-22) (BPMLC-HM) GRADING CS	TON	0	500	500
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	0	41	41
(3)	411-02.10	ACS MIX(PG70-22) GRADING D	TON	0	6250	6250
(4)	411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	0.61	0	0.61
(13)	411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	0.61	0	0.61
	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	0	6182	6182
	611-01.20	ADJUSTMENT OF EXISTING MANHOLE	EACH	0	6	6
	611-01.23	ADJUSTMENT OF WATER VALVE	EACH	0	8	8
(5)	611-09.02	REWORK CATCHBASIN	EACH	0	5	5
	701-02.01	CONCRETE CURB RAMP (RETROFIT)	S.F.	990	0	990
	705-01.01	GUARDRAIL AT BRIDGE ENDS	L.F.	108	0	108
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	400	0	400
	705-04.03	GUARDRAIL TERMINAL (TYPE 13)	EACH	2	0	2
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	2	0	2
(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)	712-06	SIGNS (CONSTRUCTION)	S.F.	0	710	710
	712-08.03	ARROW BOARD (TYPE C)	EACH	0	2	2
	713-11.01	"U" SECTION STEEL POSTS	LB.	1015	0	1015
	713-16.20	SIGNS (R3-17 BIKE LANE)	EACH	16	0	16
	713-16.21	SIGNS (R3-17AP AHEAD)	EACH	3	0	3
	713-16.22	SIGNS (R3-17BP ENDS)	EACH	4	0	4
	713-16.23	SIGNS (W11-1 "FYG")	EACH	8	0	8
	713-16.24	SIGNS (W16-1P "FYG")	EACH	8	0	8
	713-16.25	SIGNS (R4-11)	EACH	1	0	1
	713-16.26	SIGNS (W11-2 PEDESTRIAN)	EACH	2	0	2
	713-16.27	SIGNS (W16-7P DIAGONAL ARROW "FYG")	EACH	2	0	2
	713-16.28	SIGNS (R1-5)	EACH	2	0	2
(8)	716-01.21	SNWPLWBLE PVMT MRKRS (BI-DIR)(1 COLOR)	EACH	148	0	148
(8)	716-01.22	SNWPLWBLE PVMT MRKRS (MONO-DIR)(1 COLOR)	EACH	50	0	50
(9)	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	3000	1300	4300
(9)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	0	350	350
(9)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	0	45	45
(9)	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	0	380	380
(9)	716-03.03	PLASTIC WORD PAVEMENT MARKING (STOP AHEAD)	EACH	0	5	5
(9)	716-03.09	PLASTIC WORD PAVEMENT MARKING (YIELD)	EACH	0	2	2
(9)	716-03.10	PLASTIC WORD PAVEMENT MARKING (AHEAD)	EACH	0	2	2
(9)	716-04.02	PLASTIC PAVEMENT MARKING(DOUBLE TURNING ARROW)	EACH	0	4	4
(9)	716-04.03	PLASTIC PAVEMENT MARKING (4" DOTTED LINE)	L.F.	625	1300	1925
(9)	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	0	5	5
(9)	716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	0	32	32
(9)	716-04.15	PLASTIC PAVEMENT MARKING-BIKE SYMBOL/ARROW SHARED	EACH	38	0	38
(10)	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	4.83	11.27	16.1
	716-10.30	TRUNCATED DOME DETECTABLE WARNING MAT	S.F.	24	0	24
(11)	716-12.01	ENHANCED FLATLINE THERMO PVMT MRKNG (4IN LINE)	L.M.	1.61	11.27	12.88
(14)	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	3.22	0	3.22
	716-12.03	ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE)	L.F.	0	1000	1000
	716-12.04	ENHANCED FLATLINE THERMO PVMT MRKNG (4IN DOTTED LINE)	L.F.	625	0	625
(14)	716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	1600	0	1600
(12)	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	11.7	0	11.7
	717-01	MOBILIZATION	LS	0	1	1
(8)	730-14.02	SAW SLOT	L.F.	0	8400	8400
(8)	730-14.03	LOOP WIRE	L.F.	0	18300	18300

FOOTNOTES

(1) TO BE USED AS DIRECTED BY ENGINEER.

(2) INCLUDES 100 TONS FOR GUARDRAIL END TERMINALS.

(3) INCLUDES 656 TONS FOR COUNTY ROADS, BUSINESS ENTERANCES, RAMPS, TURN LANES AND CROSSOVERS. USE RIDEABILITY SPECIFICATIONSEE SPECIAL PROVISION NO. 411C, USE MATERIAL TRANSFER DEVICE, SEE SPECIAL PROVISION NO. 407G AND SPECIAL PROVISION NO. 407SE.

(4) TO BE USED @ L.M. 4.41 TO L.M. 4.44, LT. SIDE LM 4.57 TO 4.70, LT. SIDE LM 5.04 TO LM 5.46 AND LM 5.46 TO LM 5.56.

(5) INCLUDES FURNISHING AND INSTALLING TYPE "B" GRATES AND INSTALLING TO ELEVATION MATCHING NEW PAVEMENT. QUANTITY INCLUDES 2 AREA DRAINS.

(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.

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.

(8) QUANTITY MAYBE INCREASED OR DECREASED AS DIRECTED BY THE ENGINEER.

(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 EXISTING PAVEMENT MARKING AND EDGELINE. TO BE USED ON THE COLD PLANED SURFACE ONLY.

(11) QUANTITY BASED ON EXISTING PAVEMENT MARKING AND EDGELINE. TO BE USED ON THE FINAL SURFACE ONLY.

(12) SEE SPECIAL PROVISIONS NO. 716ST.

(13) TO BE USED @ LM 4.44 TO LM 4.57, RT. SIDE LM 4.57 TO LM 4.70 AND RT. SIDE LM 5.04 TO LM 5.46.

(14) TO BE USED FOR BIKEWAY IMPROVEMENTS.

GUARDRAIL

LOCATION (L.M.)	SIDE LT	SIDE RT	GUARDRAIL AT BRIDGE 705-01.01 (L.F.)	GUARDRAIL SINGLE 705-02.02 (L.F.)	ANCHOR TYPE 38 705-04.07 (EACH)	TERMINAL TYPE 13 705-04.03 (EACH)
L.M. 5.195		X			1	
L.M. 5.200	X					1
L.M. 5.230		X	27			
L.M. 5.230	X		27			
L.M. 5.275		X	27			
L.M. 5.275	X		27			
L.M. 5.315		X				1
L.M. 5.330	X				1	
VARIOUS				400		
			108	400	2	2

HANDICAP RAMPS

LOCATION	REPAIR	NEW	STD. DWG.	QUANTITY 701-02.01 (S.F.)	QUANTITY 716-10.30 (S.F.)
I-24 @ HARDING PL.	2	6	RP-H-3, RP-H-7	540	16
PERIMETER PARK	1	1	RP-H-3, RP-H-7	90	8
METROPLEX		2	RP-H-7	180	
ANTIOCH PK.		2	RP-H-7	180	
TOTAL				990	24

SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE	712-06 S.F.
2	G20-1	ROAD WORK NEXT 2.36 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
27	W20-1	ROAD WORK AHEAD	48 x 48	432
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.				710

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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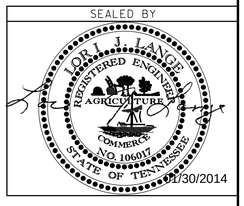

01/30/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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