TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2015	STP/HSIP-2(244)	2
		54002-3245-94	
		54002-8245-14	

REV 02-18-15: ADDED ITEM NO. 713-16.05,713-16.09, 713-03.02, 713-16.20,713-16.21, AND REVISED ITEM NO.716-02.05 PER RR REQUEST.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)-	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	102
(2)(3)(4)-	411-03.12	ACS MIX(PG64-22) THIN LIFT D ASPHALT	TON	10034
(5)-	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	170940
	712-01	TRAFFIC CONTROL	LS	1
	712-04.02	FLEXIBLE DRUMS (CHANNELIZATION)	EACH	300
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	80
(6)-	712-06	SIGNS (CONSTRUCTION)	S.F.	1848
	712-08.03	ARROW BOARD (TYPE C)	EACH	2
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2
(7)-	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	10
	717-01	MOBILIZATION	LS	1

FOOTNOTES

(1) INCLUDES 10.4 TON FOR SIDE ROADS, CROSS-OVERS, TURN LANES, BUSINESS ENTS AND DRIVES.
(2) INCLUDES 1024 TONS FOR SIDE ROADS, CROSS-OVERS, TURN LANES, BUSINESS ENTS AND DRIVES.
(3) SEE SPECIAL PROVISION 411C FOR RIDEABILITY
(4) A MATERIAL TRANSFER DEVICE (MTD) IS TO BE USED ON ALL MIXES. SEE SPECIAL PROVISION 407G. ALL COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS BID ITEM.
(5) TO BECOME THE PROPERTY OF THE CONTRACTOR.
(6) SEE CONSTRUCTION SIGN TABULATION BLOCK FOR DETAILS.
(7) TEMPORARY PAVEMENT MARKING ON INTERMITTANT LANE LINES FOR TRAFFIC CONTROL ONLY.

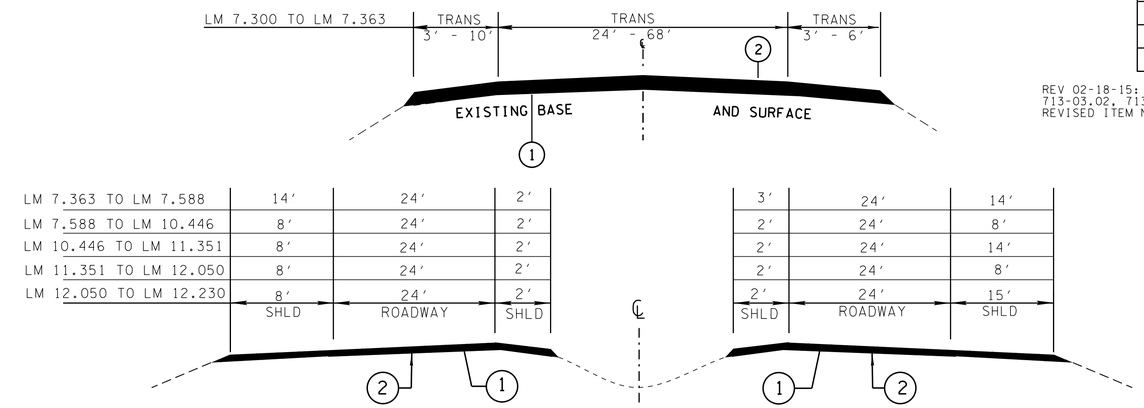
ESTIMATED SAFETY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(S1)-	411-12.01	SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	9.7
(S2)-	411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	7.4
(S6)-	713-02.14	FLEXIBLE DELINEATOR (WHITE)	EACH	144
(S7)(S8)(S12)-	713-16.05	RAILROAD CROSS-BUCK SIGN & SUPPORT	EACH	2
(S10)(S12)-	713-16.09	RAILROAD ADVANCE WARNING SIGN AND SUPPORT	EACH	1
(S9)(S12)-	713-16.20	SIGNS (ADVANCED WARNING SIGN, W10-3)	EACH	4
(S10)(S12)-	713-16.21	SIGNS (STOP AHEAD SIGN, W3-1)	EACH	1
	716-01.21	Snwplwble Pvmt Mrkrs (Bi-Dir)(1 Color)	EACH	113
	716-01.23	Snwplwble Pvmt Mrkrs (Bi-Dir)(2 Color)	EACH	651
(S3)-	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	35
(S11)-	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	409
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	6
(S10)(S12)-	716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EACH	1
(S5)-	716-04.16	PLASTIC PAVEMENT MARKING (NOISE STRIP)	L.F.	72
(S4)-	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	30
	716-12.03	ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE)	L.F.	316

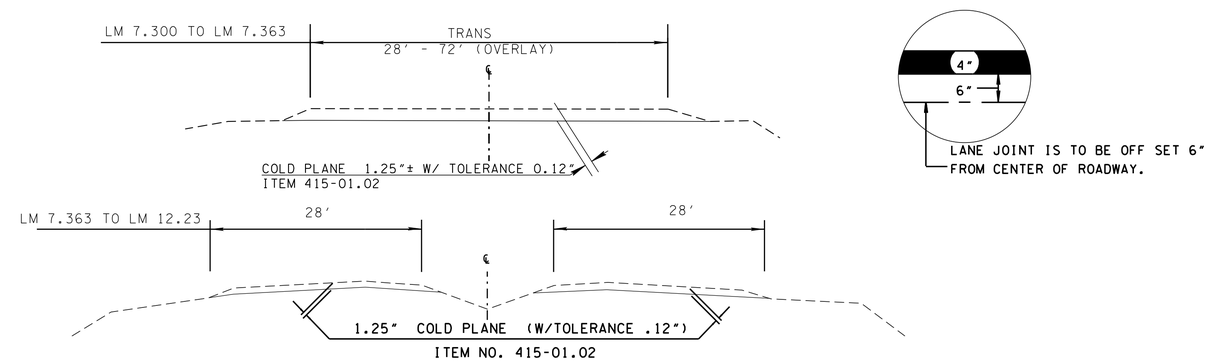
FOOTNOTES

(S1) FOR INSIDE SHOULDERS ONLY.
(S2) FOR OUTSIDE SHOULDERS ONLY.
(S3) THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THE THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
(S4) FOR PERMANENT PAVEMENT MARKING ONLY.
(S5) SEE DETAIL THIS SHEET FOR INFORMATION.
(S6) TO BE PLACED IN ACCORDANCE WITH CURRENT MUTCD ALONG EDGE OF ROADWAY AND CROSSOVERS.
(S7) INCLUDES "STOP" SIGN (R1-1) AND RETROREFLECTIVE RED AND WHITE STRIPS.
(S8) INCLUDES REMOVAL OF EXISTING PRIVATE CROSSING SIGN.
(S9) QTY TO REPLACE ADVANCED WARNING SIGNS ON BOTH APPROACHES ON SR-2.
(S10) QTY TO BE PLACED ON WESTBOUND APPROACH ON ROBINSON RD.(SEE SHT R-1)
(S11) QTY INCLUDES 24 L.F. OF STOP LINE FOR RR CROSSING.
(S12) PROPOSED SIGNS AND PAVEMENT MARKING WILL BE IN ACCORDANCE WITH MUTCD TABLE 2C-4 AND ATTACHED STD DWGS T-RR-6, T-S-16, AND T-S-16A.

TYPICAL SECTION



PROPOSED PAVEMENT SCHEDULE	
1	BITUMINOUS SURFACE "THIN LIFT" 1" THICK @ 85 LBS/SY ITEM 411-03.12 ACS MIX (PG64-22) THIN LIFT D ASPHALT
2	TACK COAT (TC) @ 0.10 GAL/S.Y. ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)



COLD PLANING
TYPICAL SECTION

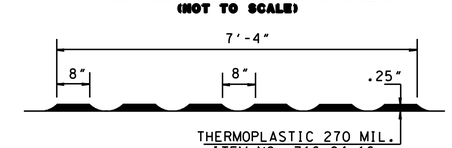
TABULATED SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE IN X IN		ITEM NO. 712-06 S.F.
3	G20-1	ROAD WORK NEXT 5 MILES	48	24	24
24	G20-2	END ROAD WORK	48	24	192
4	W1-4R	SHIFT RIGHT SYMBOL	48	48	64
4	W3-4	BE PREPARED TO STOP	48	48	64
26	W8-11	UNEVEN LANES	48	48	416
21	W20-1	ROAD WORK AHEAD	48	48	336
3	W20-1	ROAD WORK 1500 FT	48	48	48
3	W20-1	ROAD WORK 1000 FT	48	48	48
3	W20-1	ROAD WORK 500 FT	48	48	48
4	W20-4	ONE LANE ROAD AHEAD	48	48	64
4	W20-7a	FLAGGER	48	48	64
26	TN-64	GROOVED PAVEMENT	48	48	416
4	W21-2	FRESH OIL	48	48	64
		TOTAL			1848

SEE FIGURE 6F-1 OF FIGURES SHOWN IN CURRENT M.U.T.C.D. THIS CONSTRUCTION SIGNING IS TO BE CONSTRUCTED AS A MINIMUM. OTHER SIGNS AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING DIFFERENT PHASES.

NOISE STRIP INSTALLATION TYPICAL SECTION & TABULATED QUANTITIES

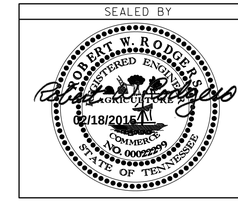
(NOT TO SCALE)



LENGTH ACROSS PAVEMENT IS 12'
(ONE UNIT INCLUDES QUANTITY FOR ALL 6 STRIPS)
12' WIDTH x 6 STRIPS = 72 LIN FT/PER UNIT
CAN BE ADJUSTED FOR FIELD CONDITIONS

ITEM 716-04.16
1 UNIT @ 72 LF/UNIT = 72 LF TOTAL
@ LM 7.41

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES, TYPICAL SECTION & DETAILS

8-FEB-2015 08:05
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