TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2015	STP/HSIP-68(42)	2
		70006-3242-94	
		70006-8242-14	

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)-	403-01.01	BITUMINOUS MATERIAL FOR TACK COAT (MICRO-SURFACING)	TON	27
(2)-	403-05.01	BITUMINOUS MATERIAL (FOG SEAL) SHOULDER	TON	15
(3)(4)-	414-03.01	EMULSIFIED ASPHALT FOR MICRO-SURFACING	TON	218
(4)(5)-	414-03.02	AGGREGATE FOR MICRO SURFACING	TON	1819
(6)(7)-	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	4874
	712-01	TRAFFIC CONTROL	LS	1
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	150
(8)-	712-06	SIGNS (CONSTRUCTION)	S.F.	968
	712-08.03	ARROW BOARD (TYPE C)	EACH	2
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2
(9)-	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	10.7
	717-01	MOBILIZATION	LS	1

FOOTNOTES

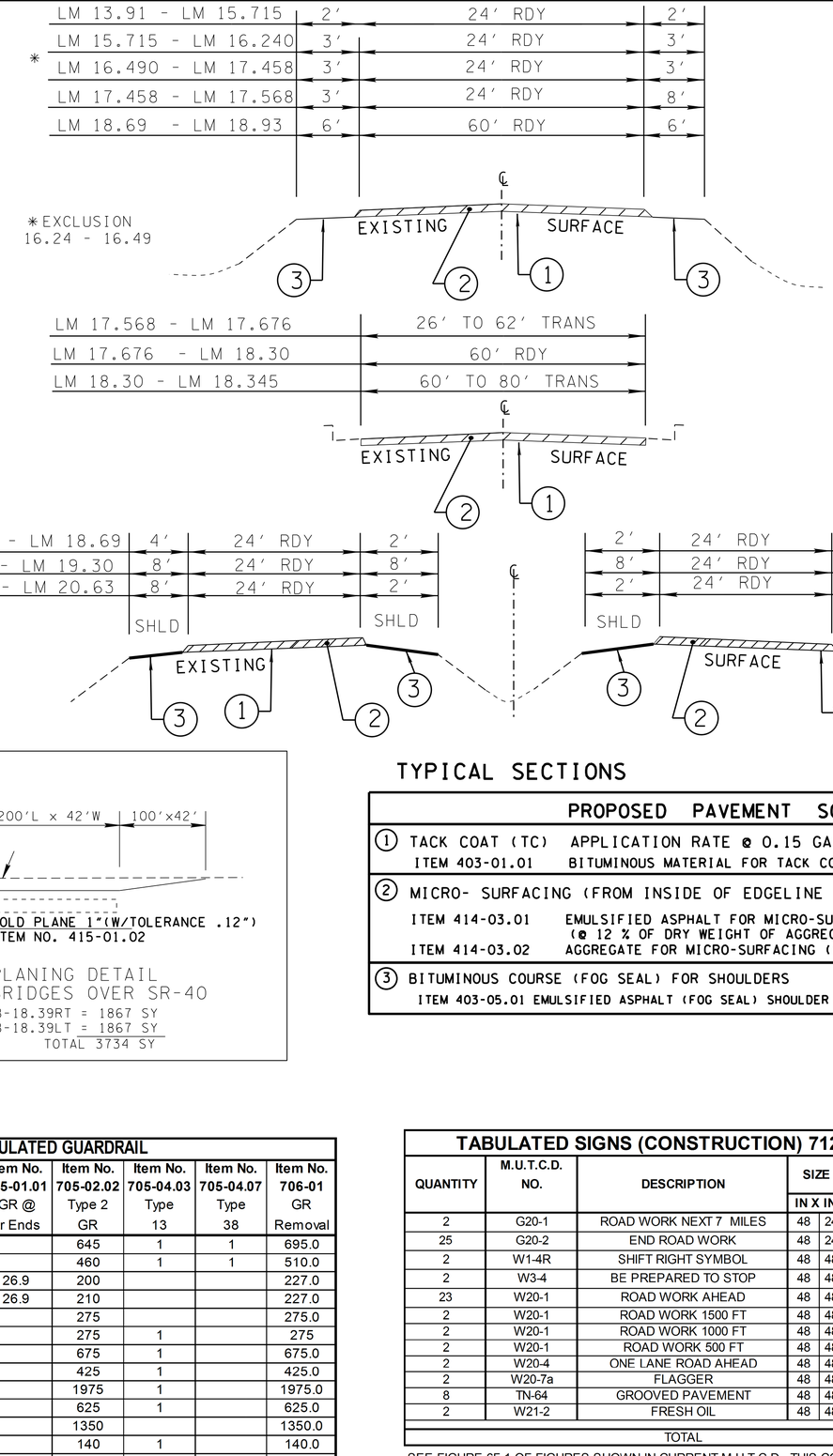
(1) INCLUDES 2.9 TONS FOR SIDE ROADS AND RAMPS AS DIRECTED BY TDOT PROJECT SUPERVISOR.
(2) INCLUDES 2.0 TONS FOR RAMP SHOULDERS AS DIRECTED BY TDOT PROJECT SUPERVISOR.
(3) INCLUDES 23 TONS FOR SIDE ROADS AND RAMPS AS DIRECTED BY TDOT PROJECT SUPERVISOR.
(4) A MATERIAL TRANSFER DEVICE (MTD) IS TO BE USED ON ALL MIXES. SEE SPECIAL PROVISION 407G. ALL COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS ITEM.
(5) INCLUDES 195 TONS FOR SIDE ROADS AND RAMPS AS DIRECTED BY TDOT PROJECT SUPERVISOR.
(6) INCLUDES 1440 SY FROM RAILROAD UNDERPASS @ LM 19.27 AND 3434 SY FROM BRIDGES OVER SR-40. SEE DETAILS ON THIS SHEET AND SHEET NO. R-2.
(7) TO BECOME PROPERTY OF THE CONTRACTOR.
(8) SEE SIGN TABULATION BLOCK THIS SHEET FOR DETAILS.
(9) TEMPORARY PAVEMENT MARKING ON MILLED SURFACE AND INTERMITTANT LANE LINE MARKINGS.

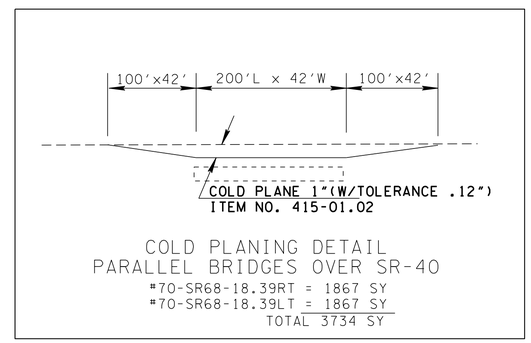
ESTIMATED SAFETY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	95
	705-01.01	GUARDRAIL AT BRIDGE ENDS	L.F.	54
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	7505
(S1)-	705-04.03	GUARDRAIL TERMINAL (TYPE 13)	EACH	9
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	2
(S2)-	706-01	GUARDRAIL REMOVED	L.F.	7649
(S3)-	712-04.02	FLEXIBLE DRUMS (CHANNELIZATION)	EACH	40
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	40
	716-01.21	Snwplwble Pvmt Mrkrs (Bi-Dir)(1 Color)	EACH	380
	716-01.23	Snwplwble Pvmt Mrkrs (Bi-Dir)(2 Color)	EACH	392
	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	113
(S4)(S5)-	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	500
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	10
	716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EACH	1
	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	5
(S6)(S7)-	716-13.02	SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	L.M.	32.1
	716-13.08	SPRAY THERMO PVMT MRKNG (40 mil) (8IN BARRIER LINE)	L.F.	135

FOOTNOTES

(S1) SEE GUARDRAIL TABULATION BLOCK THIS SHEET FOR DETAILS.
(S2) TO BECOME PROPERTY OF THE CONTRACTOR.
(S3) TO BE USED AT EXPOSED GUARDRAIL ENDS. SEE GENERAL NOTE 3, SHEET NO. 4 FOR DETAILS.
(S4) CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
(S5) INCLUDES ALL COSTS ASSOCIATED WITH REMOVAL EXISTING SPECIALTY PAVEMENT MARKINGS.
(S6) FOR PERMANENT PAVEMENT MARKING ONLY.
(S7) INCLUDES ALL COSTS ASSOCIATED WITH THE REMOVAL EXISTING PAVEMENT MARKINGS.





TYPICAL SECTIONS

PROPOSED PAVEMENT SCHEDULE

1. TACK COAT (TC) — APPLICATION RATE @ 0.15 GAL/S.Y.(DILUTED)
   ITEM 403-01.01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
2. MICRO- SURFACING (FROM INSIDE OF EDGELINE TO INSIDE OF EDGELINE)
   ITEM 414-03.01 EMULSIFIED ASPHALT FOR MICRO-SURFACING (@ 12 % OF DRY WEIGHT OF AGGREGATE)
   ITEM 414-03.02 AGGREGATE FOR MICRO-SURFACING (@ 22 LBS/SY)
3. BITUMINOUS COURSE (FOG SEAL) FOR SHOULDERS
   ITEM 403-05.01 EMULSIFIED ASPHALT (FOG SEAL) SHOULDER (@ 0.15 GAL/SY)(DILUTED)

TABULATED GUARDRAIL

Log Mile	Log Mile	Side	Item No. 303-01 MIN AGG (TON)	Item No. 705-01.01 GR @ Br Ends	Item No. 705-02.02 Type 2 GR	Item No. 705-04.03 Type 13	Item No. 705-04.07 Type 38	Item No. 706-01 GR Removal
14.303	14.425	Rt EB	30		645	1	1	695.0
15.019	15.016	Lt EB	30		460	1	1	510.0
18.325	18.362	Lt EB		26.9	200			227.0
18.339	18.357	Rt EB		26.9	210			227.0
18.582	18.626	Rt EB			275			275.0
18.697	18.767	Rt EB	5		275	1		275
18.927	19.082	Rt EB	5		675	1		675.0
19.138	19.247	Rt EB	5		425	1		425.0
19.338	19.747	Rt EB	5		1975	1		1975.0
19.848	19.978	Rt EB	5		625	1		625.0
19.727	19.289	Lt WB			1350			1350.0
19.702	19.651	Rt WB	5		140	1		140.0
19.512	19.418	Rt WB	5		250	1		250
TOTAL			95	53.8	7505	9	2	7649

TABULATED SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE IN X IN		ITEM NO. 712-06 S.F.
2	G20-1	ROAD WORK NEXT 7 MILES	48	24	16
25	G20-2	END ROAD WORK	48	24	200
2	W1-4R	SHIFT RIGHT SYMBOL	48	48	32
2	W3-4	BE PREPARED TO STOP	48	48	32
23	W20-1	ROAD WORK AHEAD	48	48	368
2	W20-1	ROAD WORK 1500 FT	48	48	32
2	W20-1	ROAD WORK 1000 FT	48	48	32
2	W20-1	ROAD WORK 500 FT	48	48	32
2	W20-4	ONE LANE ROAD AHEAD	48	48	32
2	W20-7a	FLAGGER	48	48	32
8	TN-64	GROOVED PAVEMENT	48	48	128
2	W21-2	FRESH OIL	48	48	32
TOTAL					968

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.

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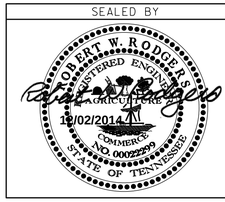

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES, TYPICAL SECTION & DETAILS

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