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

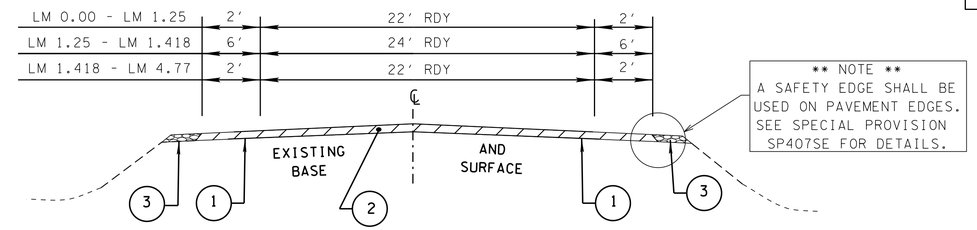
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2014	HSIP-312(16)	2
		06012-3222-94	
		06012-4222-04	

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	395
(1)-	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	25
(2)(3)(4)-	411-01.10	ACS MIX(PG64-22) GRADING D	TON	5368
	712-01	TRAFFIC CONTROL	LS	1
(5)-	712-06	SIGNS (CONSTRUCTION)	S.F.	540
(6)-	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	8
	717-01	MOBILIZATION	LS	1

FOOTNOTES

(1) INCLUDES 2 TONS FOR SIDE ROADS, DRIVEWAYS & SPOT LEVELING.
(2) INCLUDES 473 TONS FOR SIDE ROADS, DRIVEWAYS & SPOT LEVELING.
(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) SEE CONSTRUCTION SIGN TABULATION BLOCK FOR DETAILS.
(6) TEMPORARY PAVEMENT MARKING FOR INTERMEDIATE LANE LINES.



TYPICAL SECTION

PROPOSED PAVEMENT SCHEDULE

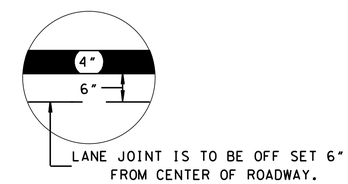
1. TACK COAT (TC)
   ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (AT 0.07 GAL./S.Y.)
2. BITUMINOUS SURFACE @ 1.25"± THICK (APPROX. 132.5 LBS./S.Y.)
   ITEM 411-01.10 ASPHALT CEMENT (PG64-22) (BPMB-HM) GRADING "D"
3. MINERAL AGGREGATE BASE 1.25"± THICK @ 2.03 TONS/C.Y. (SHOULDERS)
   ITEM 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING "D"

ESTIMATED SAFETY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(S1)-	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	180
	411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	7.2
(S1)-	705-01.04	METAL BEAM GUARD FENCE	L.F.	20
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	1288
	705-04.05	GUARDRAIL TERMINAL (TYPE-IN-LINE)	EACH	5
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	9
(S2)-	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	28
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	28
	716-01.21	Snwplwble Pvmt Mrkrs (Bi-Dir)(1 Color)	EACH	315
(S3)-	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	262
(S4)-	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	9.5
(S5)-	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	17.6
(S6)-	716-13.04	SPRAY THERMO PVMT MRKNG (60 mil) (4IN DOTTED LINE)	L.F.	100

FOOTNOTES

(S1) SEE GUARDRAIL TABULATION BLOCK THIS SHEET FOR DETAILS.
(S2) TO BE USED AT EXPOSED GUARDRAIL ENDS. SEE GENERAL NOTE 3, SHEET 4 FOR DETAILS.
(S3) THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. THE SAME UNIT PRICE SHALL BE PAID FOR PREFORMED PLASTIC.
(S4) TEMPORARY EDGE LINE MARKING FOR RUMBLE STRIPE INSTALLATION.
(S5) FOR PERMANENT PAVEMENT MARKING ONLY.
(S6) FOR DOUBLE DOTTED YELLOW CENTERLINE MARKING & DOTTED WHITE EDGE LINE AT WHITE OAK RD.



TABULATED GUARDRAIL

Log Mile	Log Mile	Side	Item No. 303-01 MIN. AGG. (TON)	Item No. 705-01.04 Metal Beam Fence	Item No. 705-02.02 Type 2 G R	Item No. 705-02.02 Type 2 Radius Rail	Item No. 705-04.05 Type In-Line	Item No. 705-04.07 Type 38
0.770	0.877	RT			25			
1.880	1.930	RT	20					1
2.799	2.910	RT	20					1
3.199	3.270	RT					1	
3.283	3.500	RT	20		1150	12.5	1	1
4.720	4.740	RT	20					1
4.740	4.710	LT		20	50	50.0	2	
3.330	3.279	LT	20					1
3.255	3.222	LT	20					1
3.202	3.120	LT	20				1	1
2.900	2.792	LT	20					1
2.799	2.910	LT	20					1
SUB-TOTAL					1225	62.5		
TOTALS			180	20	1287.5		5	9

SIGNS (CONSTRUCTION) 712-06

QTY	MUTCD NO.	DESCRIPTION	SIZE IN X	SIZE IN	ITEM NO. 712-06 S.F.
2	G20-1	ROAD WORK NEXT 5 MILES	36	18	9
14	G20-2	END ROAD WORK	36	18	63
2	W3-4	BE PREPARED TO STOP	36	36	18
26	W8-11	UNEVEN LANES	36	36	234
12	W20-1	ROAD WORK AHEAD	36	36	108
2	W20-1	ROAD WORK 1500 FT	36	36	18
2	W20-1	ROAD WORK 1000 FT	36	36	18
2	W20-1	ROAD WORK 500 FT	36	36	18
2	W20-4	ONE LANE ROAD AHEAD	36	36	18
2	W20-7a	FLAGGER	36	36	18
2	W21-2	FRESH OIL	36	36	18
TOTAL					540

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.

ROBERT W. RODGERS REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 22299 04/29/2014 STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES, TYPICAL SECTION & DETAILS

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