TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2015	HSIP-29I(10) HSIP-96(40)	3
		71008-3203-94 71008-4203-04	
		44011-3200-94 44011-4200-04	
		71031-3212-94 71031-4212-04	

PUTNAM SR 96 ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)-	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	382
(2)(3)-	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	457
(4)-	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	27
(5)-	405-01.01	BITUMINOUS MATERIAL (BSC)	TON	115
(5)-	405-01.02	MINERAL AGGREGATE (BSC)	TON	961
(6)-	411-03.07	ACS MIX(PG64-22) THIN LIFT CS ASPHALT	TON	2922
	712-01	TRAFFIC CONTROL	LS	0.6
(7)-	712-06	SIGNS (CONSTRUCTION)	S.F.	630
(8)-	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	39
	717-01	MOBILIZATION	LS	0.6

FOOTNOTES

(1) TO BE USED FROM LM 0.030 TO LM 0.500 AS DIRECTED BY THE TDOT PROJECT SUPERVISOR.
(2) MATERIAL TRANSFER DEVICE SHOULD NOT BE USED DUE TO ROAD BEING TOO NARROW, AND NOT STABLE ENOUGH TO SUPPORT THE MATERIAL TRANSFER DEVICE.
(3) SPOT "BM-2" PLACEMENT AS DIRECTED BY TDOT PROJECT SUPERVISOR.
(4) INCLUDES 0.6 TONS FOR SIDE ROADS AND ENTRANCES.
(5) CHIP SEAL TO BE OMITTED IN SPOT AREAS WHERE "BM-2" WAS PLACED.
(6) SKID RESISTANT MATERIAL TO BE USED FOR CS MIX.
(7) SEE CONSTRUCTION SIGN TABULATION BLOCK THIS SHEET FOR DETAILS.
(8) TEMPORARY PAVEMENT MARKING FOR INTERMEDIATE LANE LINES.

PUTNAM SR 96 ESTIMATED SAFETY QUANTITIES

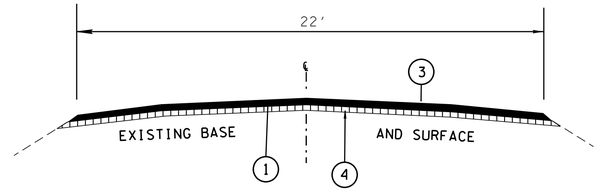
	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	100
	411-12.04	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (4IN WIDTH)	L.M.	1
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	
	706-01	GUARDRAIL REMOVED	L.F.	30
(S1)-	712-04.02	FLEXIBLE DRUMS (CHANNELIZATION)	EACH	
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	
(S2)-	713-16.20	SIGNS (OM3-L Permanent Sign)	EACH	
	713-16.21	SIGNS (OM3-R Permanent Sign)	EACH	20
	713-16.22	SIGNS (W2-2 Intersection Permanent Sign)	EACH	
	713-16.23	SIGNS (R1-1 - 36" X 36" Stop Sign)	EACH	
(S3)-	716-01.21	Snwplwble Pvmt Mrkrs (Bi-Dir)(1 Color)	EACH	
(S4)-	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	30
(S5)(S6)-	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	

FOOTNOTES

(S1) INCLUDES 8 FOR GUARDRAIL PROTECTION AT EXPOSED ENDS. SEE GENERAL NOTE NO. 3, SHEET 6.
(S2) TO BE PLACED AS DIRECTED BY THE PROJECT SUPERVISOR. INCLUDES COST OF INSTALLATI OF SIGN & POST AND REMOVING & DISPOSING OF EXISTING SIGN IF APPLICABLE.
(S3) INCLUDES COST OF REMOVAL OF EXISTING RAISED PAVEMENT MARKERS.
(S4) THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPL/
(S5) FOR PERMANENT PAVEMENT MARKING ONLY.
(S6) INCLUDES COST OF REMOVAL OF EXISTING PAVEMENT MARKERS.

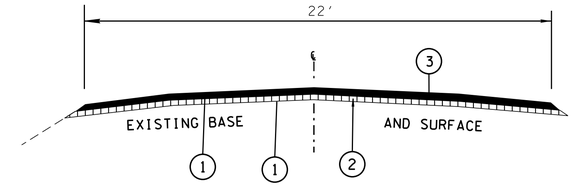
PUTNAM SR 96 TABULATED GUARDRAIL

Log Mile	Side	Item No. 303-01 Mineral Aggregate	Item No. 705-04.07 Type 38	Item No. 706-01 GR Removal
1.120	Lt.	25	1	
1.202	Lt.	25	1	
5.992	Rt.	25	1	37.5
6.158	Rt.	25	1	37.5
TOTAL		100	4	75



LM 0.000 TO LM 2.980

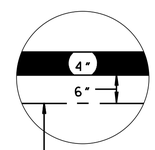
LM 3.278 TO LM 6.530



LM 2.980 TO LM 3.278

TYPICAL SECTIONS

PROPOSED PAVEMENT SCHEDULE
(1) TACK COAT (TC) @ (0.70 GAL./S.Y.) ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
(2) BITUMINOUS BASE GRADING B-M2 2.00" THICK @ APPROX. 226 LBS./S.Y. ITEM 307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING B-M2
(3) BITUMINOUS SURFACE "THIN LIFT CS" @ 65 LBS/SY ITEM 411-03.07 ACS MIX (PG64-22) THIN LIFT CS ASPHALT @ 65 LBS/S.Y.
(4) BITUMINOUS SEAL COAT (BSC) APPLICATION 405-01.01 BITUMINOUS MATERIAL FOR (BSC) @ 0.26-0.36 GAL/SY. 405-01.02 MINERAL AGGREGATE FOR (BSC) @ 16-26 LB/SY.



LANE JOINT IS TO BE OFF SET 6" FROM CENTER OF ROADWAY.

PUTNAM SR 96 SIGNS (CONSTRUCTION) 712-06

QTY	MUTCD NO.	DESCRIPTION	SIZE IN X IN		ITEM NO. 712-06 S.F.
1	G20-1	ROAD WORK NEXT 9 MILES	60	24	10
10	G20-2	END ROAD WORK	48	24	80
1	W3-4	BE PREPARED TO STOP	36	36	9
35	W8-11	UNEVEN LANES	36	36	315
6	W20-1	ROAD WORK AHEAD	48	48	96
2	W20-1	ROAD WORK 1 MILE	48	48	32
2	W20-1	ROAD WORK 1/2 MILE	48	48	32
2	W20-1	ROAD WORK 1000 FT	48	48	32
1	W20-4	ONE LANE ROAD AHEAD	36	36	9
1	W20-7a	FLAGGER	36	36	9
1	W21-2	FRESH OIL	30	30	6
		TOTAL			630

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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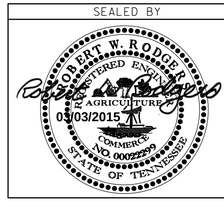

PUTNAM SR-96

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES, TYPICAL SECTION & DETAILS

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