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

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2014	NH/HSIP-111(91)	2
		93003-3232-94	
		93003-8232-14	
BRIDGE REPAIR		93003-4232-04	

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)-	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	3769
(2)-	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	89
(3)-	407-07.01	INTELLIGENT COMPACTION EQUIPMENT	LS	1
(4)(5)(6)-	411-02.10	ACS MIX(PG70-22) GRADING D	TON	9804
(4)(7)-	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	3454
(8)(9)-	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	136474
	712-01	TRAFFIC CONTROL	LS	1
	712-04.02	FLEXIBLE DRUMS (CHANNELIZATION)	EACH	325
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	80
(10)-	712-06	SIGNS (CONSTRUCTION)	S.F.	1336
	712-08.03	ARROW BOARD (TYPE C)	EACH	2
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2
	717-01	MOBILIZATION	LS	1

FOOTNOTES

(1) INCLUDES 485 TONS FOR RAMPS AS DIRECTED BY THE TDOT PROJECT SUPERVISOR.
(2) INCLUDES 7 TONS FOR RAMPS.
(3) SEE SPECIAL PROVISION 497IC.
(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 SPECIAL PROVISION 411C FOR RIDEABILITY.
(6) INCLUDES 990 TONS FOR RAMPS.
(7) INCLUDES 250 TONS FOR RAMP AND SHOULDER REPAIR.
(8) TO BECOME PROPERTY OF THE CONTRACTOR.
(9) INCLUDES 8017 SY FROM RAMPS.
(10) SEE SIGN TABULATION BLOCK THIS SHEET FOR DETAILS.

ESTIMATED SAFETY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(S1)-	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	200
	411-12.01	SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	15.6
(S1)-	706-01	GUARDRAIL REMOVED	L.F.	350
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	350
	713-02.11	REMOVAL OF EXISTING DELINEATORS	EACH	165
	713-02.14	FLEXIBLE DELINEATOR (WHITE)	EACH	145
	713-02.15	FLEXIBLE DELINEATOR (YELLOW)	EACH	60
	716-01.21	Snwplwble Pvmt Mrkrs (Bi-Dir)(1 Color)	EACH	456
	716-01.23	Snwplwble Pvmt Mrkrs (Bi-Dir)(2 Color)	EACH	520
	716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	890
	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	1504
(S2)-	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	148
	716-03.03	PLASTIC WORD PAVEMENT MARKING (STOP AHEAD)	EACH	4
	716-04.06	PLASTIC PAVEMENT MARKING (WRONG WAY ARROW)	EACH	4
(S3)-	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	22.6
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	20.6
(S4)-	716-12.03	ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE)	L.F.	9340
	716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	4270

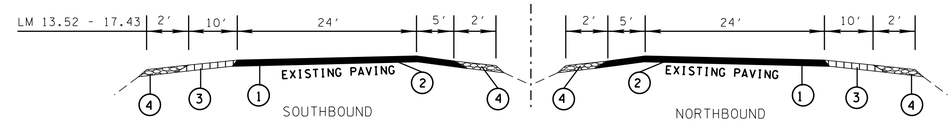
FOOTNOTES

(S1) SEE GUARDRAIL TAB BLOCK THIS SHEET FOR DETAILS.
(S2) 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.
(S3) TEMPORARY PAVEMENT MARKING ON MILLED SURFACE AND INTERMEDIATE LANE LINE MARKING.
(S4) PERMANENT PAVEMENT MARKING ONLY.

ESTIMATED BRIDGE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
604-10.50	Partial Depth Deck Repair	S.Y.	10
617-04.02	TYPE 2 THIN EPOXY OVERLAY	S.Y.	2164

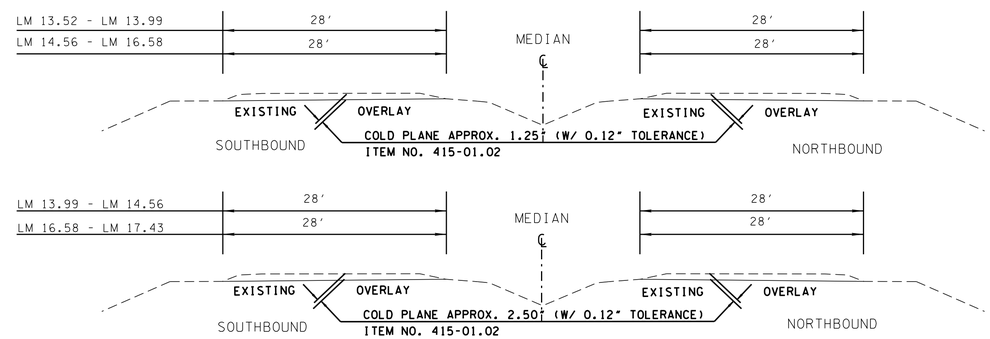
SEE SHEET NOS B1 - B2 FOR BRIDGE REPAIR DETAILS.



TYPICAL SECTIONS

PROPOSED PAVEMENT SCHEDULE

1. TACK COAT (TC) @ (0.10 GAL./S.Y.)
   ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
2. BITUMINOUS SURFACE @ 1.25"± THICK (APPROX. 132.5 LBS./S.Y.)
   ITEM 411-02.10 ACS MIX (PG70-22) GRADING "D"
3. BITUMINOUS SURFACE @ 1.25"± THICK (APPROX. 132.5 LBS./S.Y.)
   ITEM 411-01.07 ACS MIX (PG64-22) GRADING "E" SHOULDERS
4. MINERAL AGGREGATE BASE 3" THICK @2.03 TONS/C.Y. (LOW SHOULDERS)
   ITEM 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING "D"



COLD PLANING DETAILS

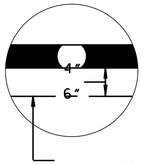
TABULATED SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE IN	SIZE X IN	ITEM NO. 712-06 S.F.
4	G20-1	ROAD WORK NEXT 4 MILES	60	24	40
6	G20-2	END ROAD WORK	48	24	48
17	TN-64	GROOVED PAVEMENT	36	36	153
4	W20-7b	BE PREPARED TO STOP	36	36	36
16	W8-11	UNEVEN LANES	36	36	144
4	W20-1	ROAD WORK AHEAD	48	48	64
4	W20-1	ROAD WORK 1 MILE	48	48	64
4	W20-1	ROAD WORK 1/2 MILE	48	48	64
4	W20-1	ROAD WORK 1500 FT	48	48	64
4	W20-1	ROAD WORK 1000 FT	48	48	64
4	W20-1	ROAD WORK 500 FT	48	48	64
4	W20-4	ONE LANE ROAD AHEAD	36	36	36
2	E5-2A	EXIT CLOSED	48	36	24
2	W20-7a	FLAGGER	36	36	18
4	W21-2	FRESH OIL	30	30	25
2	SPECIAL	MERGE NOW WITH ARROW	48	48	32
4	W20-5R	RIGHT LANE CLOSED 1/2 MILE	48	48	64
4	R4-1	DO NOT PASS IN RIGHT LANE	120	42	140
4	W20-5R	RIGHT LANE CLOSED 1500 FT	48	48	64
4	W4-2R	MERGE SYMBOL	48	48	64
4	W1-4AR	LANE SHIFT SYMBOL	48	48	64
		TOTAL			1336

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.

TABULATED GUARDRAIL

Log Mile	Log Mile	Side	Item No. 705-02.02 Type 2 GR	Item No. 706-01 GR Removal
15.334	15.396	RT.	350	350
TOTAL			350	350



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

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES, TYPICAL SECTION & DETAILS

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