

# STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING

TENN.	YEAR	SHEET NO.
	2014	1
FED. AID PROJ. NO.	NH/HSIP-111(93)	
STATE PROJ. NO.	71005-3234-94, 71005-8234-14	

REVISED 3-25-14: CORRECTED LANE MILES RESURFACED LENGTH.

DESCRIPTION	SHT.
TITLE SHEET	1
ESTIMATED QUANTITIES, TYPICAL SECTIONS & DETAILS	2
UTILITY OWNERS, DROP OFF NOTES & PRE-CONST RIDE NOS.	3
GENERAL NOTES	4
SPECIAL NOTES	5
RAILROAD CROSSING DETAILS	R-1

## STANDARD ROADWAY DRAWINGS

DWG. NO.	REV.	DESCRIPTION
<b>ROADWAY DESIGN STANDARDS</b>		
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
RD-L-2	09-05-01	STANDARD LEGEND FOR UTILITY INSTALLATIONS

<b>SAFETY APPURTENANCES AND FENCE</b>	
S-PL 2	SAFETY PLAN AT SIDE ROADS OR PRIVATE DRIVES
S-GR31-1	W-BEAM GUARDRAIL
S-GR31-2	MEDIAN DIVIDER GUARDRAIL
S-GRT-2	TYPE 38 GUARDRAIL TERMINAL
S-GRA-3	GUARDRAIL ANCHOR FOR TYPE 21, 13 AND IN-LINE TERMINALS

<b>TRAFFIC CONTROL APPURTENANCES</b>	
T-FAB-1	05-27-97 FLASHING YELLOW ARROW BOARD
T-M-1	11-01-11 DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-15-13 DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	09-19-91 MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	11-01-11 STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-5	04-23-13 MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS
T-M-6	06-22-12 MARKING DETAIL FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-7	01-12-12 GORE MARKING DETAILS FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-8	01-12-12 MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS
T-M-9	11-01-11 MARKING DETAILS FOR RAMP INTERSECTIONS
T-M-15A	11-01-11 ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR INTERSTATE AND ACCESS CONTROLLED ROUTES
T-M-16	11-01-11 ASPHALT SHOULDER RUMBLE STRIPE INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED ROUTES
T-PBR-2	11-01-11 DETAIL FOR VERTICAL PANELS AND FLEXIBLE DELINEATORS

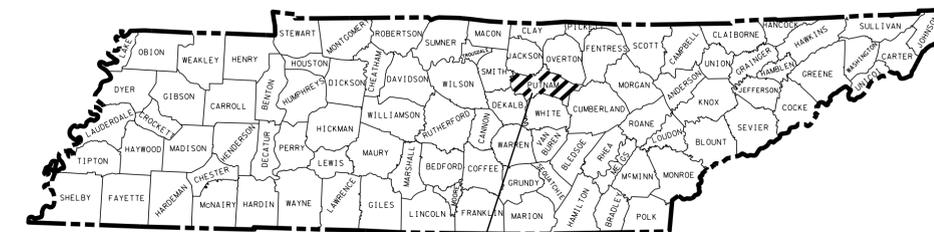
## PUTNAM COUNTY

### STATE ROUTE 111

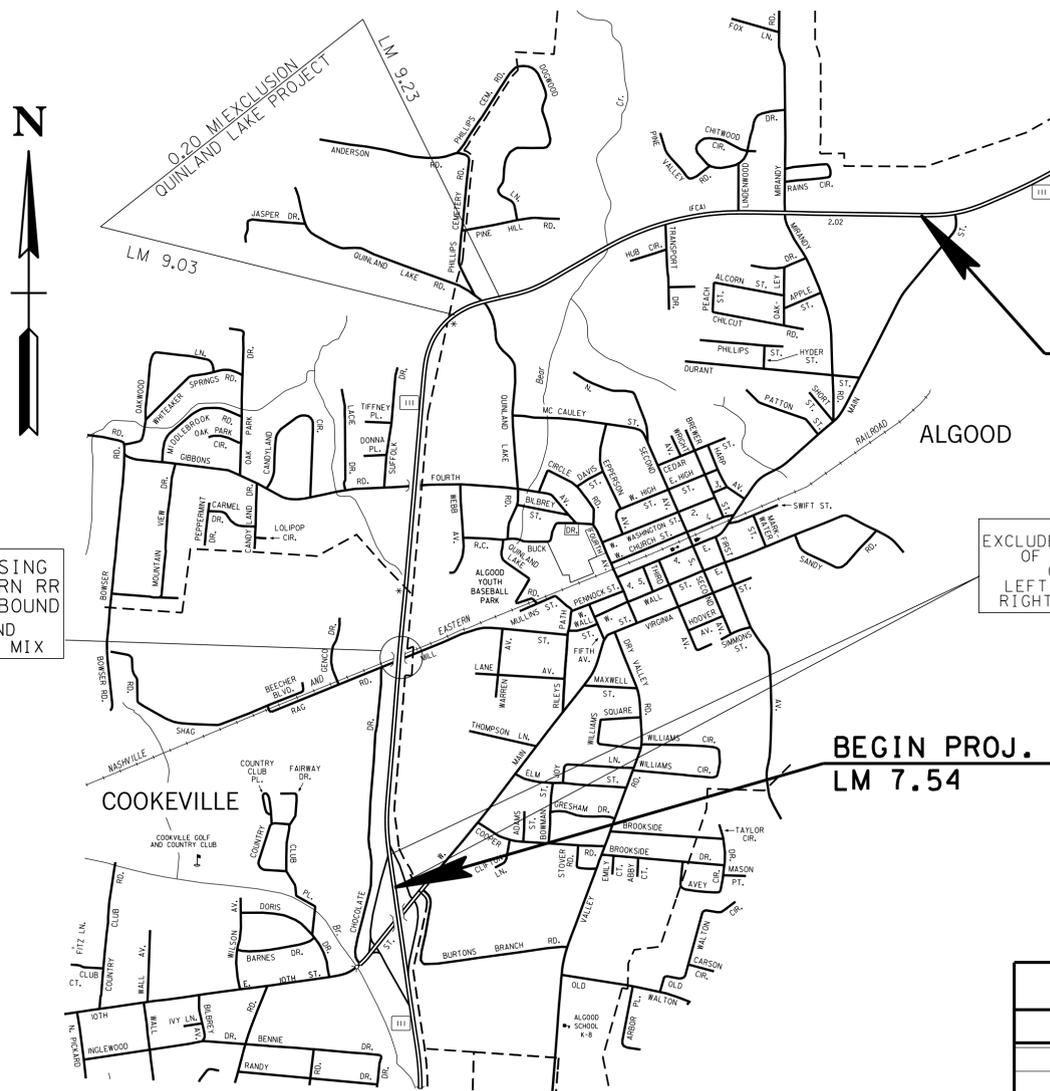
FROM NORTH OF EAST 10TH STREET (LM 7.54)  
TO SOUTH OF MAIN STREET (LM 10.31)

COLD PLANE, RESURFACE AND PAVEMENT MARKINGS

STATE HIGHWAY NO. 111 F.A.H.S. NO.



PROJECT LOCATION



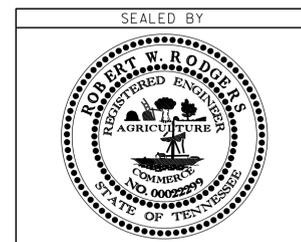
LM 8.12 OVERHEAD CROSSING  
OVER NASHVILLE & EASTERN RR  
NORTH BOUND AND SOUTH BOUND  
COLD PLANE 1.25" AND  
REPLACE WITH 1.25" "D MIX

\* NOTE \*  
EXCLUDE PAVING AND COLD PLANING  
OF E-KRETE TEST SECTIONS  
ON NORTHBOUND LANES  
LEFT LANE LM 7.54 - LM 7.93  
RIGHT LANE LM 7.54 - LM 7.63

71005-3234-94  
71005-8234-14  
END PROJ. NO. NH/HSIP-111(93) (RESURF)  
LM 10.31

71005-3234-94  
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LM 7.54

UNOFFICIAL  
SET  
NOT FOR  
BIDDING



APPROVED: Paul D. Degges  
PAUL D. DEGGES, CHIEF ENGINEER

DATE: \_\_\_\_\_

APPROVED: John Schroer  
JOHN SCHROER, COMMISSIONER

### SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 1, 2006 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT ROAD SP. SV. 2 ROBERT RODGERS  
DESIGNER KEVIN CRISP CHECKED BY DIANE EVITT  
P.E. NO. 98023-4217-04  
PIN NO. 084110.01

EXCLUSIONS	
LM TO LM	LENGTH (MI.)
9.03 - 9.23	0.20
TOTAL =	0.20



PROJECT LENGTH **2.57 MILES**  
TOTAL LANE MILES RESURFACED **9.00 MILES**

NO EQUATIONS

TRAFFIC DATA

AADT (2013)	18,700
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U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: \_\_\_\_\_  
DIVISION ADMINISTRATOR DATE

D8-MAY-2014 15:37 \\J02WF01.tdot.state.tn.us\02Shor\ed\Design County Folder\Design Resurfacing Folder\Resurf 2014\state routes\F02 Putnam-111\Putnam-111-Title.dgn

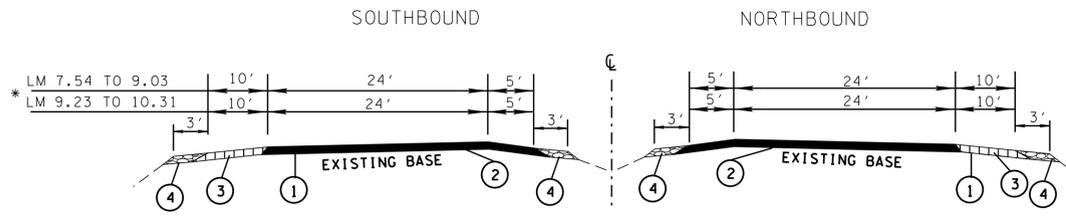
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2014	NH/HSIP-111(93)	2
		71005-3234-94	
		71005-8234-14	

### ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)(2)-	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	3300
(3)-	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	56
(4)(5)(6)-	411-01.10 ACS MIX(PG64-22) GRADING D	TON	2802
(4)(5)-	411-02.10 ACS MIX(PG70-22) GRADING D	TON	5473
(7)(8)-	415-01.02 COLD PLANING BITUMINOUS PAVEMENT	S.Y.	81241
	712-01 TRAFFIC CONTROL	LS	1
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	300
	712-05.03 WARNING LIGHTS (TYPE C)	EACH	300
	712-08.03 ARROW BOARD (TYPE C)	EACH	2
(9)-	712-06 SIGNS (CONSTRUCTION)	S.F.	1609
	713-16.01 CHANGEABLE MESSAGE SIGN UNIT	EACH	2
(10)-	716-05.01 PAINTED PAVEMENT MARKING (4" LINE)	L.M.	12.2
	717-01 MOBILIZATION	LS	1

#### FOOTNOTES

- (1) INCLUDES 700 TONS ADDITIONAL STONE FOR LOW SHOULDERS AS DIRECTED BY TDOT PROJECT SUPERVISOR.
- (2) INCLUDES ALL COSTS ASSOCIATED WITH CLIPPING EXISTING SHOULDERS, REMOVAL AND PROPER DISPOSAL OF CLIPPED MATERIAL AS DIRECTED BY TDOT PROJECT SUPERVISOR.
- (3) INCLUDES 5.6 TONS FOR CROSSOVERS, BUSINESS ENTRANCES, AND ACCESS ROADS.
- (4) A MATERIAL TRANSFER DEVISE (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) SEE SPECIAL PROVISION 411C FOR RIDEABILITY.
- (6) INCLUDES 947 TONS FOR BUSINESS AND ACCESS ROADS.
- (7) TO BECOME PROPERTY OF THE CONTRACTOR.
- (8) INCLUDES 6500 SY FROM RAMP AND TURN LANES.
- (9) SEE SIGN TABULATION BLOCK THIS SHEET FOR DETAILS.
- (10) TRAFFIC CONTROL ON MILLED SURFACES AND INTERMEDIATE LANE LINES.

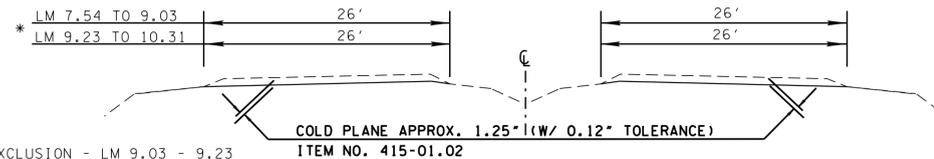


\* EXCLUSION - LM 9.03 - 9.23

#### TYPICAL SECTION

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 411-01.10 ACS MIX (PG64-22) GRADING "D"
④	MINERAL AGGREGATE BASE 3" THICK @ 2.03 TONS/CY ITEM 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING "D"

\* NOTE \*  
EXCLUDE PAVING AND COLD PLANING OF E-KRETE TEST SECTIONS ON NORTHBOUND LANES  
LEFT LANE LM 7.54 - LM 7.93  
RIGHT LANE LM 7.54 - LM 7.63



\* EXCLUSION - LM 9.03 - 9.23

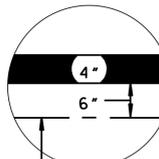
#### COLD PLANING DETAIL SECTION

### ESTIMATED SAFETY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(S1)-	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	140
	411-12.01 SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	5.3
	411-12.03 SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	4.2
	705-02.02 SINGLE GUARDRAIL (TYPE 2)	L.F.	380
	705-04.05 GUARDRAIL TERMINAL (TYPE-IN-LINE)	EACH	6
(S1)-	705-04.07 TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	7
	706-01 GUARDRAIL REMOVED	L.F.	790
	706-05 GUARDRAIL ADJUSTMENT	L.F.	10,610
(S2)-	712-04.02 FLEXIBLE DRUMS (CHANNELIZATION)	EACH	26
	712-05.01 WARNING LIGHTS (TYPE A)	EACH	26
	713-02.11 REMOVAL OF EXISTING DELINEATORS	EACH	60
	713-02.14 FLEXIBLE DELINEATOR (WHITE)	EACH	125
	713-02.15 FLEXIBLE DELINEATOR (YELLOW)	EACH	49
(S5)-	713-16.20 W1-8 SIGNS (CHEVRONS)(30X36), POST & INSTALLATION	EACH	4
	716-01.23 Snowplowable Pvmr Mrks (Bi-Dir)(2 Color)	EACH	495
	716-01.30 REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	410
	716-02.04 PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	210
(S3)-	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	325
	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	11
(S4)-	716-12.01 ENHANCED FLATLINE THERMO PVMR MRKNG (4IN LINE)	L.M.	13.8
	716-12.03 ENHANCED FLATLINE THERMO PVMR MRKNG (8IN BARRIER LINE)	L.F.	1200
	716-12.05 ENHANCED FLATLINE THERMO PVMR MRKNG (6IN DOTTED LINE)	L.F.	2175

#### FOOTNOTES

- (S1) SEE GUARDRAIL TAB BLOCK THIS SHEET FOR DETAILS.
- (S2) TO BE USED AT EXPOSED GUARDRAIL ENDS. SEE GENERAL NOTE 3, SHEET 4.
- (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) PERMANENT PAVEMENT MARKING ONLY.
- (S5) TO REPLACE DAMAGED SIGN PRIOR TO QUINLAND LAKE RD (NORTHBOUND).



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

#### TABULATED SIGNS (CONSTRUCTION) 712-06

QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE		ITEM NO. 712-06 S.F.
			IN	IN	
2	E5-2A	EXIT CLOSED	48	36	24
4	G20-1	ROAD WORK NEXT 3 MILES	60	24	40
14	G20-2	END ROAD WORK	48	24	112
4	R4-1	DO NOT PASS IN RIGHT LANE	120	42	140
4	W4-2L	LEFT LANE ENDS SYMBOL	36	36	36
4	W4-2R	RIGHT LANE ENDS SYMBOL	36	36	36
4	W1-4R	LANE SHIFT SYMBOL	48	48	64
8	W3-4	BE PREPARED TO STOP	36	36	72
16	W8-11	UNEVEN LANES	36	36	144
12	W20-1	ROAD WORK AHEAD	48	48	192
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	W20-4	ONE LANE ROAD AHEAD	36	36	36
4	W20-5R	RIGHT LANE CLOSED 1/2 MILE	48	48	64
4	W20-5R	RIGHT LANE CLOSED 1500 FT	48	48	64
4	SPECIAL	MERGE NOW	48	48	64
2	W20-7a	FLAGGER	48	48	32
17	TN-64	GROOVED PAVEMENT	48	48	272
4	W21-2	FRESH OIL	30	30	25
TOTAL					1609

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.

NORTHBOUND TABULATED GUARDRAIL								
Log Mile	Side	Item No. 303-01 MIN AGG (TON)	Item No. 705-02.02		Item No. 705-04.05 Type In-Line	Item No. 705-04.07 Type 38	Item No. 706-01 GR Removal	Item No. 706-05 GR Adjust
			Type 2 GR	Type 2 Shop-Curved				
7.980	RT	20				1	50.0	
7.980	LT	20				1	50.0	
8.200	RT		50				50.0	
8.366	RT		50				50.0	
8.435	RT				1		12.5	
8.512	RT	20				1	50.0	
8.540	LT	20				1	50.0	
8.652	RT				1		12.5	
9.367	RT		40				40.0	
9.367	RT			20			12.5	
9.600	RT				1		12.5	
9.832	RT				1		12.5	
LOCATIONS AT DIRECTED BY TDOT PROJECT SUPERVISOR								4290
SUB TOTAL			140	20				
NBL TOTALS		80	160		4	4	402.5	4290

SOUTHBOUND TABULATED GUARDRAIL								
Log Mile	Side	Item No. 303-01 MIN AGG (TON)	Item No. 705-02.02		Item No. 705-04.05 Type In-Line	Item No. 705-04.07 Type 38	Item No. 706-01 GR Removal	Item No. 706-05 GR Adjust
			Type 2 GR	Type 2 Shop-Curved				
7.968	RT				1		12.5	
8.197	LT	20				1	50.0	
8.644	LT	20				1	50.0	
8.613	RT		40				40.0	
8.666	RT	20				1	50.0	
9.213	RT		40				40	
9.375	RT				1		12.5	
9.537	RT		80				80.0	
9.715	RT			20			12.5	
9.786	RT		40				40.0	
LOCATIONS AT DIRECTED BY TDOT PROJECT SUPERVISOR								6320
SUB TOTAL			200	20				
SBL TOTALS		60	220		2	3	387.5	6320

TOTAL TABULATED GUARDRAIL					
Item No. 303-01	Item No. 705-02.02	Item No. 705-04.05	Item No. 705-04.07	Item No. 706-01	Item No. 706-05
140	380	6	7	790	10610

UNOFFICIAL SET  
NOT FOR BIDDING

SEALED BY



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES, TYPICAL SECTION & DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2014	NH/HSIP-111(93)	3
		71005-3234-94	
		71005-8234-14	

## PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

- A. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:
1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 2 INCHES:
    - a. WARNING SIGNS, UNEVEN PAVEMENT (W8-11) AND/OR SHOULDER DROP-OFF (W8-9A), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.
    - b. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.
    - c. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.
    - d. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.

PUTNAM CO. UTILITY OWNERS				
UTILITY	NAME	ADDRESS	CONTACT PERSON	PHONE#
Sewer	Algood, City of	PO Box 49215, Cookeville TN 38506	Victor Jones	(931) 537-9055
CATV	Charter Communications	38 West Broad Street, Cookeville TN 38501	Preston Kirby	(931) 372-2889
Electric	Cookeville Electric Dept., City of	55 West Davis Road, Cookeville TN 38501	Tony Peek	(931) 520-5400
Gas	Cookeville Gas Dept., City of	PO Box 998, Cookeville TN 38503	Jeff Mills	(931) 520-4427
Sewer	Cookeville Water & Water Quality Dept., City of	PO Box 998, Cookeville TN 38506	Ronnie Kelly	(931) 520-5249
Gas	East Tennessee Natural Gas, LLC	555 Mariott Drive, Suite 600, Nashville TN 37214	Mike Fletcher	(615) 572-5155
Telephone	Frontier/Citizens Communications Company	250 South Franklin Avenue, Cookeville TN 38501	Don Smith	(931) 528-0534
Telephone	Twin Lakes Telephone Co-Op	PO Box 67, Gainesboro TN 38562	James Dobbs	(931) 268-2151
Electric	Upper Cumberland Electric Membership Corp.	138 Gordonsville Highway, Carthage TN 37030-1810	Jimmy Gregory	(800) 261-2940

### Pre-Construction Ride Numbers

Project Ref. No.	NH/HSIP-111(93)	Contract No.	
Project No.	71005-3234-94, 71003-8234-14	Region	2
Contractor	To Be Awarded	County	Putnam
Weather / Temp.	Light Fog 40°F	Route	SR-111
Standard Specs.	Special Provision SP411C	Test Date	February 18, 2014
Equip. Calib. Date	February 3, 2014	Test No.	precon
Milling?	No	Pre-Con Test Date	February 18, 2014
Number of lifts			

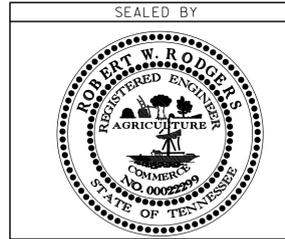
Test Performed by TDOT Road Profiler							
Test Limits (mile)		Direction and Measured Roughness ( HC-IRI Number Per Mile )					
From	To	NSEW	*Lane	Pre Ride Number	Payment Table	Max. # for Final Ride	Min. Required % Improvement
0.00	1.00	N	1	29	Table 1	55.0	
1.00	2.00	N	1	38	Table 1	55.0	
2.00	2.77	N	1	29	Table 1	55.0	
0.00	1.00	N	2	32	Table 1	55.0	
1.00	2.00	N	2	43	Table 1	55.0	
2.00	2.77	N	2	36	Table 1	55.0	
0.00	1.00	S	1	36	Table 1	55.0	
1.00	2.00	S	1	38	Table 1	55.0	
2.00	2.80	S	1	30	Table 1	55.0	
0.00	1.00	S	2	36	Table 1	55.0	
1.00	2.00	S	2	37	Table 1	55.0	
2.00	2.80	S	2	33	Table 1	55.0	

Average Roughness  
Pre-Construction  
HC-IRI Number Per Mile  
**35.0**

REMARKS  
from North of East 10th Street  
to South of Main Street  
  
Excludes overpass over railroad  
and Quinland Lake Road Project section

\*Lanes to be Left to Right each Direction - 1,2,3,4, etc. with 1 being the Inside Lane

**UNOFFICIAL  
SET  
NOT FOR  
BIDDING**



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

**DROP OFF NOTES,  
UTILITY OWNERS  
& PRE-CONST  
RIDE NOS.**

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2014	NH/HSIP-111(93)	4
		71005-3234-94	
		71005-8234-14	

# GENERAL NOTES

## GRADING

- (1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.

## GUARDRAIL

- (2) THE CONTRACTOR SHALL NOT REMOVE ANY SECTIONS OF EXISTING GUARDRAIL TO REWORK SHOULDERS OR FLATTEN SLOPES UNTIL THE ENGINEER CONCURS IN THE NECESSITY OF REMOVAL DUE TO CONSTRUCTION REQUIREMENTS AND THE APPROPRIATE WARNING DEVICES ARE INSTALLED. THE PROPOSED GUARDRAIL, INCLUDING ANY ANCHOR SYSTEM, SHALL BE INSTALLED QUICKLY TO MINIMIZE TRAFFIC EXPOSURE TO ANY HAZARD. NO PAYMENT WILL BE MADE FOR A SECTION OF PROPOSED GUARDRAIL, INCLUDING ANCHORS, UNTIL IT IS COMPLETE IN PLACE.
- (3) IF ANY APPROACH END OF A SECTION OF GUARDRAIL OR BRIDGE RAIL MUST TEMPORARILY BE LEFT INCOMPLETE AND EXPOSED TO TRAFFIC, THE CONTRACTOR SHALL USE TWO (2) TEMPORARY BARRICADES OR DRUMS WITH TYPE A LIGHTS AND ROUNDED END ELEMENTS AS MINIMUM MEASURES TO PROTECT TRAFFIC FROM THE HAZARD OF AN EXPOSED END. ALL COST OF FURNISHING AND INSTALLING A TEMPORARY ROUNDED END ELEMENT SHALL BE INCLUDED IN THE COST OF THE PROPOSED GUARDRAIL.

## UTILITIES

- (4) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.
- (5) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR IT'S REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (6) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (7) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.
- (8) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106.

## MISCELLANEOUS

- (9) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES WHERE AND AS DIRECTED BY THE ENGINEER.

- (10) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA

## PAVEMENT MARKINGS - FINAL PAVEMENT MARKING

- (11) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 4" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.01, ENHANCED FLATLINE THERMO PVMT MRKNG (4IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

## PAVEMENT - PAVING

- (12) THE CONTRACTOR SHALL BE REQUIRED TO COLD PLANE AND PAVE IN THE DIRECTION OF TRAFFIC.

## RESURFACING

- (13) WHERE DIRECTED BY THE TDOT ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SHAPE PUBLIC SIDE ROADS, BUSINESS ENTRANCES, AND PRIVATE DRIVES, AS WELL AS CLEANING OF EXISTING DRAINS BEFORE PLACING MATERIALS. ALL COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (14) ALL PUBLIC SIDE ROADS SHALL BE PAVED ONE PAVER WIDTH THROUGH THE INTERSECTION AS A MINIMUM. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD OR BUSINESS ENTRANCE SHALL BE PROVIDED. SHOULD THE PAVEMENT OF THE INTERSECTING PUBLIC ROAD BE DISTRESSED, THE RESURFACING WIDTH MAY BE INCREASED TO THE NORMAL RIGHT OF WAY LINE.
- (15) PRIVATE DRIVEWAYS, FIELD ENTRANCES, AND BUSINESS ENTRANCES WILL BE RESURFACED A PAVER WIDTH (LANE WIDTH) AS A MINIMUM. A PAVEMENT TAPER TO TRANSITION THE NEW PAVEMENT SHALL BE REQUIRED, IT SHALL BE BASED ON AN ADDITIONAL ONE FOOT OF WIDTH PER ONE INCH DEPTH OF PAVEMENT. IF THE SHOULDER IS NARROW ENOUGH THAT THE SUM OF THE SHOULDER AND THE TRANSITION ARE LESS THAN A PAVER WIDTH, THE TRANSITION SHALL OCCUR WITHIN THE PAVER WIDTH. IF THE SUM OF THE SHOULDER AND THE TRANSITION IS GREATER THAN A PAVER WIDTH (LANE WIDTH), THE TRANSITION SHALL OCCUR OUTSIDE OF THE PAVER WIDTH.
- (16) IN ALL CASES, THE LENGTH OF THE PAVEMENT TRANSITION, THE THICKNESS AND WIDTH OF THE RESURFACING AND ANY ADDITIONAL PAVEMENT MATERIALS SHALL BE AS DIRECTED BY THE TDOT ENGINEER.

## SIGNING

- (17) THE TOP OF THE SIGN FOOTINGS SHALL BE PLACED LEVEL WITH THE GROUND LINE.
- (18) AFTER THE SIGN LOCATIONS HAVE BEEN STAKED, BUT PRIOR TO ORDERING ANY MATERIAL FOR THE SUPPORTS, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE REGIONAL CONSTRUCTION OFFICE.
- (19) THE EXISTING FOOTINGS ARE TO BE REMOVED 6 INCHES BELOW GROUND LINE.

## CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (20) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.
- (21) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.
- (22) A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.

- (23) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (24) USE OF BARRICADES, PORTABLE BARRIER RAILS, VERTICAL PANELS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (25) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF A OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE.. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (26) ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

## EROSION PREVENTION AND SEDIMENT CONTROL

### LITTER, DEBRIS, WASTE, PETROLEUM

- (27) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS WILL BE PICKED UP AND REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS. AFTER USE, MATERIALS USED FOR EPSC WILL BE REMOVED FROM THE SITE.
- (28) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

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GENERAL  
NOTES

# SPECIAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2014	NH/HSIP-111(93)	5
		71005-3234-94	
		71005-8234-14	

## TRAFFIC CONTROL

- (1) THE CONTRACTOR SHALL COMPLY WITH SECTION 712 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION REGARDING TEMPORARY TRAFFIC CONTROL AND THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- (2) SHOULD A FLAGGING OPERATION FOR TRAFFIC CONTROL BE UTILIZED FOR RESURFACING, THE CONTRACTOR SHALL MAKE PROVISIONS TO SAFELY CONTROL TRAFFIC INGRESS AT ALL ROADWAY ENTRANCES WITHIN THE FLAGGED WORK ZONE TO THE SATISFACTION OF THE ENGINEER, ALL COST ASSOCIATED WITH THE CONTROLS WILL BE INCLUDED IN THE PRICE BID FOR TRAFFIC CONTROL.
- (3) EXISTING CONSTRUCTION, REGULATORY AND WARNING SIGNS WHICH CONFLICT WITH THE CONSTRUCTION SIGNING SHALL BE REMOVED DURING CONSTRUCTION AND REINSTALLED AS DIRECTED BY THE ENGINEER. ALL COSTS TO BE INCLUDED IN THE PRICE BID FOR ITEM NO. 712-01, TRAFFIC CONTROL, PER LUMP SUM.
- (4) THE CONTRACTOR SHALL GIVE THE TDOT PROJECT SUPERVISOR A MINIMUM OF SEVEN (7) DAYS NOTICE PRIOR TO STARTING WORK SO THAT SUFFICIENT NOTICE CAN BE PREPARED AND DISTRIBUTED TO THE MEDIA.
- (5) IMMEDIATELY UPON COMPLETION OF EACH CONSTRUCTION PHASE, ALL TRAFFIC CONTROL ITEMS THAT ARE NOT NECESSARY FOR THE SUCCEEDING PHASE SHALL BE REMOVED, COVERED OR TURNED TO FACE AWAY FROM TRAFFIC.
- (6) THE CONTRACTOR SHALL PROVIDE FLAGGER AT EACH SIDEROAD WITHIN THE PAVING OPERATION.
- (7) A MINIMUM OF TWO (2) TYPE "C" ARROW BOARDS WILL BE REQUIRED AT EACH SITE. IF THE CONTRACTOR SCHEDULES HIS OPERATIONS SUCH THAT MORE THAN TWO (2) ARROW BOARDS ARE REQUIRED, THE COST OF ALL ADDITIONAL ARROW BOARDS WILL BE AT THE CONTRACTOR'S EXPENSE.
- (8) TWO (2) CHANGEABLE MESSAGE SIGNS UNITS (ITEM NO. 713-16.01) WILL BE REQUIRED ON THIS PROJECT. THE SIGNS WILL BE USED FOR ADVANCED WARNING OR AS DIRECTED BY THE ENGINEER.
- (9) ACCESS TO THE PROJECT WILL BE PERMITTED AT THE INTERCHANGES ONLY. THE CONTRACTOR WILL BE PERMITTED TO CROSS MEDIAN AT EXISTING CROSS-OVERS ONLY.

## LANE CLOSURES

- (10) THE RESTRICTION OF TRAFFIC TO ONE LANE SHALL NOT EXCEED ONE DAY'S PAVING OPERATION.
- (11) LANE CLOSURE WITH LEFT LANE MERGE AND LANE SHIFT TRAFFIC CONTROL IS TO BE USED ON ALL LANE CLOSURES.
- (12) THE CONTRACTOR SHALL KEEP ALL TRAFFIC LANES OPEN TO TRAFFIC DURING NON-WORKING HOURS AND/OR NON-WORK DAYS.
- (13) OVERNIGHT LANE CLOSURES WILL NOT BE ALLOWED UNLESS DIRECTED BY THE TDOT PROJECT SUPERVISOR.
- (14) THE CONTRACTOR SHALL NOT BE ALLOWED TO INTERRUPT TRAFFIC FLOW AND SHALL MAINTAIN ALL LANES OF TRAFFIC IN EACH DIRECTION ON THE FOLLOWING DAYS:
  - A. OFFICIAL STATE HOLIDAYS.
  - B. FRIDAY AT 6:00 PM UNTIL TUESDAY AT 7:00 AM, IF A STATE HOLIDAY OCCURS OR IS OBSERVED ON MONDAY.
  - C. THURSDAY AT 6:00 PM UNTIL MONDAY AT 7:00 AM, IF A STATE HOLIDAY OCCURS OR IS OBSERVED ON FRIDAY.
  - D. DURING LOCAL FESTIVALS, GAMES OR EVENTS THAT COULD BE IMPEDED BY THE PAVING OPERATIONS WHERE AND AS DIRECTED BY THE TDOT PROJECT SUPERVISOR.

## PAVING

- (15) ALL SURPLUS PATCHING AND JOINT MATERIAL IS TO BE REMOVED BEFORE PLACING TACK COAT AND SURFACE. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (16) MATERIAL TRANSFER DEVICE (MTD) TO BE USED ON ALL MIXES. COST TO BE INCLUDED IN THE UNIT PRICE BID ON ASPHALT PAVEMENT ITEMS. SEE SPECIAL PROVISION 407G.
- (17) ALL DRAINS ACROSS BRIDGES NEED TO BE CHECKED AND CLEANED AFTER PAVING IS COMPLETE. COST TO BE INCLUDED IN OTHER ITEMS.
- (18) THE FIVE FOOT INSIDE SHOULDER SHALL BE PAVED CONCURRENTLY WITH THE INSIDE TRAFFIC LANE.

- (19) ANY QUANTITY REMAINING ON ITEMS COMPLETED PRIOR TO THE PAVING OPERATION WILL NOT BE CONVERTED TO ADDITIONAL ASPHALT FOR THE ROADWAY.
- (20) ALL COSTS OF CLIPPING OF EXISTING SHOULDERS AND DISPOSAL OF ANY DEBRIS FROM SHOULDER CLIPPING ARE TO BE INCLUDED IN THE UNIT BID PRICE FOR OTHER ITEMS.

## COLD PLANING

- (21) THE CONTRACTOR WILL BE REQUIRED TO PAVE THE COLD PLANED PAVEMENT WITHIN A PERIOD OF 48 HOURS.
- (22) PROVIDED THAT THE CONTRACTOR USES A COLD PLANED PLANNING MACHINE WITH THE MILLING DRUM SPECIFICATIONS OF CLOSELY SPACED FINE TOOTH (5/16 INCHES OR SMALLER) MILLING DRUM, MOVING FORWARD AT MODERATE SPEED (50 TO 65 FPM.) AND THE UNDER SURFACE REMAINS INTACT (HAVING NO LOOSE MATERIAL OR GOUGES,) THEN THE CONTRACTOR MAY GET PERMISSION FROM REGION 2 CONSTRUCTION TO MILL ALL SURFACES BEFORE COVERING WITH BITUMINOUS MATERIAL.
- (23) ALL COLD PLANED MATERIAL IS TO BECOME THE PROPERTY OF THE CONTRACTOR.
- (24) IF SUBSURFACE PAVEMENT FAILURE IS EXPOSED AFTER MILLING, REMOVE AREA OF FAILURE TO SOUND PAVEMENT AND REPLACE WITH "D" MIX PRIOR TO PROPOSED OVERLAY.
- (25) AT THE COMPLETION OF COLD PLANING OPERATION, ANY DEPRESSIONS WILL BE CLEANED AND BROUGHT TO PROPER GRADE WITH "D" MIX MATERIAL. THE COST OF THE CLEAN UP WILL BE INCLUDED IN THE UNIT PRICE FOR WITH "D" MIX MATERIAL.
- (26) THE CONTRACTOR SHOULD TAKE EXTREME CARE WHEN COLD PLANING THE EXISTING ASPHALT OFF BRIDGE DECK AS NOT TO DAMAGE THE EXISTING BRIDGE DECK SEALANT AND/OR EXPANSION JOINT MEMBERS (STEEL PLATES, BARS AND/OR HEADERS). IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY REPAIRS ON ALL DAMAGED MEMBERS TO THE SATISFACTION OF THE TDOT PROJECT SUPERVISOR AT NO ADDITIONAL COST.

## PAVEMENT MARKING

- (27) THE CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT OF ALL PAVEMENT MARKING. ANY CHANGE FROM THE EXISTING PAVEMENT MARKINGS MUST BE APPROVED BY THE REGION 2 TRAFFIC MANAGER.
- (28) EXISTING PAVEMENT MARKINGS IN THE EXCLUSION AREAS AND SIDE ROAD RADII SHALL BE RE-TRACED AS DIRECTED BY THE TDOT PROJECT SUPERVISOR DURING FINAL STRIPING.
- (29) RAMPS SHALL BE MARKED UP TO WHERE THEY CONNECT TO THE INTERSECTING ROADWAY.
- (30) ALL COST ASSOCIATED WITH REMOVAL OF EXISTING SPECIALTY PAVEMENT MARKINGS THAT ARE TO BE RESTRIPEDED SHALL BE INCLUDED WITH THE COST OF OTHER ITEMS.
- (31) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT AND TAPERED JOINTS SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS BEFORE DARK HOURS, SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01, PAINTED PAVEMENT MARKING (4") LINE.

## CLEANING DITCHES

- (32) DITCHES MAY NEED TO BE CLEANED OUT AS DIRECTED BY THE TDOT PROJECT SUPERVISOR. ALL COST ASSOCIATED WITH CLEANING DITCHES TO BE INCLUDED IN OTHER ITEMS.
- (33) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS BEFORE CLEANING OUT OR REMOVAL/REPLACEMENT OF DITCHES, SIDEDRAINS, AND CROSSDRAINS. TO ENSURE THAT THE DRAINAGE FEATURES/ WATER-COURSES ARE NOT STREAMS OR WETLANDS. IF THE CONTRACTOR/TDOT INSPECTOR IS UNSURE WHETHER THE DRAINAGE FEATURES ARE STREAMS OR WETLANDS, THE INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION TO OBTAIN THE APPROPRIATE PERMITS.

## GUARDRAIL

- (34) ALL EXISTING GUARDRAIL REMOVED FROM THIS PROJECT IS TO BECOME THE PROPERTY OF THE CONTRACTOR.

- (35) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS BEFORE CONSTRUCTING EARTH PADS FOR THE TYPE 38 TERMINALS TO ENSURE THAT ENVIRONMENTAL FEATURES (STREAMS, WETLANDS OR SPRINGS) ARE NOT IMPACTED DURING CONSTRUCTION. IF THE CONTRACTOR/TDOT INSPECTOR IS UNSURE WHETHER THE ENVIRONMENTAL FEATURES ARE STREAMS, WETLANDS OR SPRINGS, THE INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION SO AN ACCURATE DETERMINATION CAN BE ASSESSED.

- (36) DURING CONSTRUCTION OF THE EARTH PADS FOR THE TYPE 38 GUARDRAIL TERMINALS, EXISTING VEGETATION WILL BE REQUIRED TO BE REMOVED FOR THE PROPOSED PAD AND SLOPES, IF DURING THE VEGETATION REMOVAL, ANY TREES GREATER THAN 5 INCHES IN DIAMETER ARE REQUIRED TO BE REMOVED, CONTACT THE TDOT ENVIRONMENTAL DIVISION ECOLOGY SECTION IMMEDIATELY. DUE TO THE RECENT MODIFICATION OF THE USFWS STANCE REGARDING THE INDIANA B AT, NO TREES > 5" DBH SHOULD BE CUT WITHOUT CLEARANCE FROM THE TDOT ENVIRONMENTAL DIVISION ECOLOGY SECTION.

## NPDES

- (37) DUE TO THE TYPE OF WORK, IT IS OUR UNDERSTANDING THAT THE PROJECT WILL NOT DISTURB MORE THAN ONE ACRE. IF THE DISTURBED AREA IS MORE THAN ONE ACRE, PLEASE CONTACT THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION BECAUSE A NPDES PERMIT WILL BE REQUIRED.

## MISCELLANEOUS

- (38) TIME ON THE PROJECT WILL START THE DAY THAT CONSTRUCTION SIGNS ARE PUT UP OR IN ACCORDANCE WITH SP108B IF A MAXIMUM AMOUNT OF CALENDAR DAYS IS SPECIFIED.

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SPECIAL  
NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2014	NH/HSIP-111(93)	R-1
		71005-3234-94	
		71005-8234-14	

PARALLEL OVERHEAD BRIDGES OVER  
NASHVILLE & EASTERN RAILROAD  
LM 8.12 RT & LT



SOUTHBOUND APPROACH  
@ LM 8.165



NORTHBOUND APPROACH  
@ LM 8.108

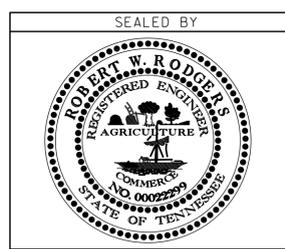
**NASHVILLE & EASTERN RAILROAD NOTES**

- (1) THE CONTRACTOR SHALL NOT, FOR ANY REASON, STORE CONSTRUCTION EQUIPMENT UPON NOR STORE OR DUMP WASTE CONSTRUCTION MATERIALS UPON THE RAILROAD'S RIGHTS-OF-WAY.
- (2) THE CONTRACTOR SHALL CONDUCT HIS WORK SO AS TO PROTECT THE RAILROAD'S TRACK FACILITIES AND PROPERTY FROM DAMAGE AND ANY WORK BY THE CONTRACTOR OVER OR WITHIN 25 FEET OF THE RAILROAD'S R.O.W. WILL REQUIRE THE PRESENCE AND PERMISSION OF AN AUTHORIZED RAILROAD WATCHMAN.
- (3) SEE SPECIAL PROVISION 105C(SL)(R) TO SET UP FLAGGING SERVICES AND SUBMIT FOR INSURANCE REQUIRED FOR WORK AT OR NEAR THE RAILROAD GRADE CROSSING ON SR-111.
- (4) THE CONTRACTOR SHALL COORDINATE HIS WORK AT THE RAILROAD CROSSING WITH THE FOLLOWING REPRESENTATIVES OF THE RAILROAD:

**Nashville & Eastern Railway:**  
Mr. William J. Drunsic, President  
Nashville & Eastern Railroad Corporation  
5138 Main Street  
Batten Shire Bldg  
Manchester Center, VT 05255  
Phone: (800) 722-8725 (ext#1)  
Fax: (802) 362-1918

Mr. Craig Wade, Vice Pres & General Manager  
Nashville & Eastern Railroad Corporation  
514 Knoxville Avenue  
Lebanon, TN 37087  
Phone (615) 444-1567  
Fax: (615) 444-4682  
Cell: (615) 445-5353

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NASHVILLE &  
EASTERN RR

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

RAILROAD  
CROSSING  
DETAILS