

Index Of Sheets
RESURFACING

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED ROADWAY QUANTITIES & SIGN TABULATED QUANTITIES
2A	TYPICAL SECTIONS AND PAVEMENT SCHEDULE
3	GENERAL NOTES
3A	SPECIAL NOTES

STANDARD ROADWAY DRAWINGS

DWG. NO.	REV.	DESCRIPTION
ROADWAY DESIGN STANDARDS		
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
TRAFFIC CONTROL APPURTENANCES		
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-15	12-01-09	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR INTERSTATE AND ACCESS CONTROLLED ROUTES

T-WZ-11 03-13-09 ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS

SAFETY APPURTENANCES AND FENCE

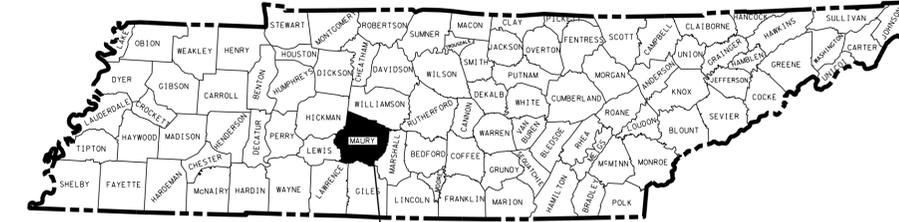
S-GRA-3	GUARDRAIL ANCHOR FOR TYPE 21, 13 AND IN-LINE TERMINALS
S-GRT-2	TYPE 38 GUARDRAIL TERMINAL
S-GRT-2R	EARTH PAD FOR TYPE 38 TERMINAL (RETROFIT)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

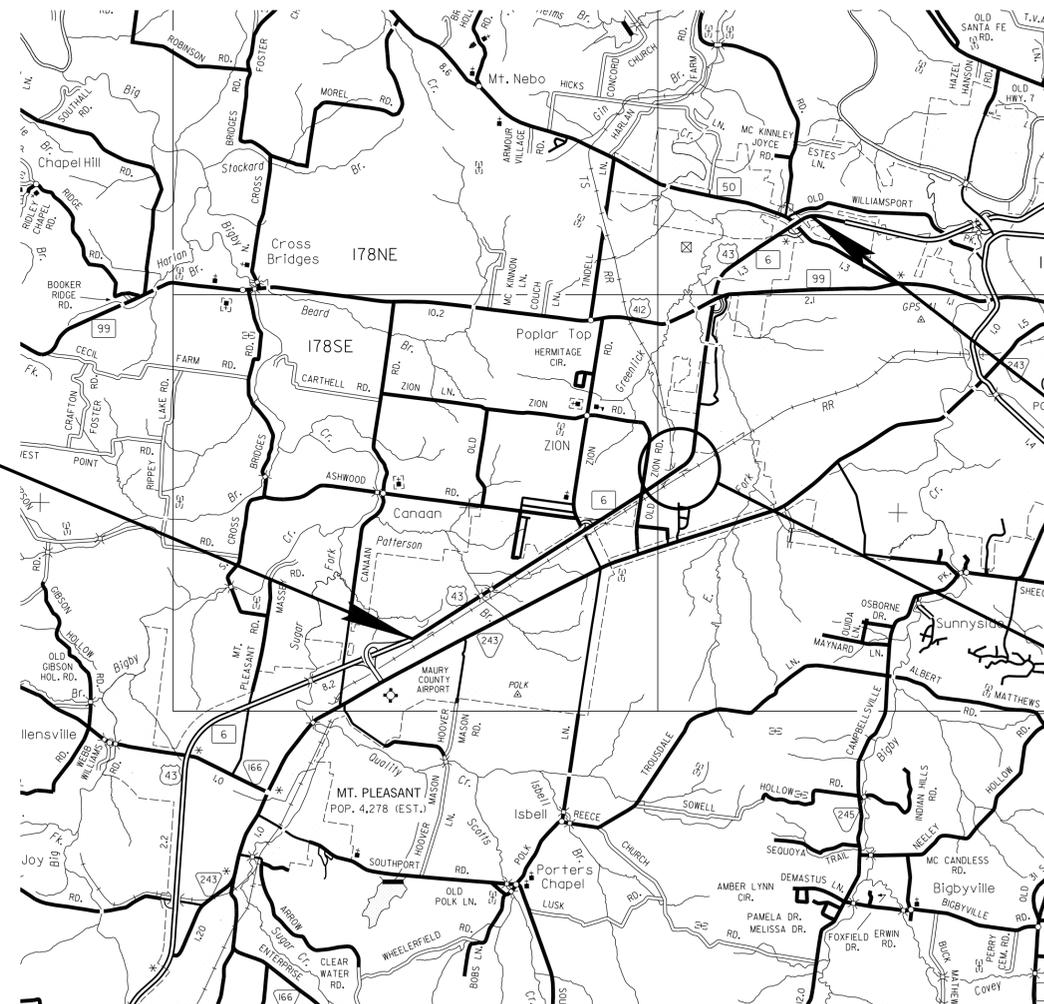
MAURY COUNTY

STATE ROUTE NO. 6
FROM NORTH OF SR-243 CONNECTOR (L.M. 11.35)
TO NORTH OF SR-50 (L.M. 18.70)
RESURFACING

STATE HIGHWAY NO. 06 F.A.H.S. NO. NA



PROJECT LOCATION



SCALE: 1" = 1 MILE

EXCLUSIONS	
LOG MILE	LENGTH (FT.)
① L.M. 13.61 RT.	98'
L.M. 13.61 LT.	98'
L.M. 14.71 RT.	234'
L.M. 14.71 LT.	234'
L.M. 14.83 RT.	178'
L.M. 14.83 LT.	178'
L.M. 18.05 RT.	236'
L.M. 18.05 LT.	236'
TOTAL =	1,492'

- ① ZION ROAD.
- ② C.S.X. RAILROAD.
- ③ WILLIAMSPORT PIKE.

60092-4249-04
60092-3249-94
BEGIN PROJ. NO. HSIP-6(98)
(L.M. 11.35)

60092-4249-04
60092-3249-94
END PROJ. NO. HSIP-6(98)
(L.M. 18.70)

60SR0060037, 60SR0060038
60SR0060039, 60SR0060040
CSX OVERHEAD CROSSINGS

SPECIAL NOTES

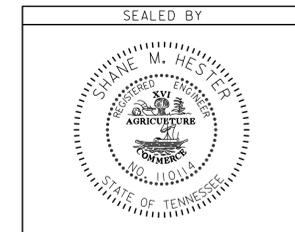
PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

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 BILLY BINION
DESIGNER ALVIN R. WHITE CHECKED BY TERRY ARNOLD
P.E. NO. 98034-4299-04
PIN NO. 119182.00

PROJECT LENGTH 7.067 MILES
TOTAL LANE MILES RESURFACED ... 31.0 MILES

TRAFFIC DATA	
ADT (2014)	18,200
V	55-65 MPH



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

DATE: _____

APPROVED: John Schroer
JOHN SCHROER, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED: _____
DIVISION ADMINISTRATOR DATE

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ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	60092-3249-94 QUANTITY	60092-4249-04 QUANTITY	TOTAL QUANTITY
(1)(2) 303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	100	1951	2051
307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON		300	300
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON		147	147
(3) 411-02.10	ACS MIX(PG70-22) GRADING D	TON		22562	22562
411-12.01	SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	28.8		28.8
415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON		22337	22337
705-01.01	GUARDRAIL AT BRIDGE ENDS	L.F.	81		81
705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	4		4
706-01	GUARDRAIL REMOVED	L.F.	50		50
(4) 712-01	TRAFFIC CONTROL	LS		1	1
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH		50	50
712-05.01	WARNING LIGHTS (TYPE A)	EACH		4	4
(5)(6) 712-06	SIGNS (CONSTRUCTION)	S.F.		988	988
712-08.03	ARROW BOARD (TYPE C)	EACH		2	2
716-01.23	SNWPLWBLE PVMT MRKRS (BI-DIR)(2 COLOR)	EACH	1148		1148
716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	1148		1148
(7) 716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.		3952	3952
(7) 716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.		200	200
(7) 716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH		12	12
(7) 716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH		1	1
(8) 716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.		37.2	37.2
(9) 716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.		37.2	37.2
717-01	MOBILIZATION	LS		1	1

FOOTNOTES

- (1) TO BE USED AS DIRECTED BY ENGINEER.
- (2) INCLUDES 100 TONS FOR GUARDRAIL END TERMINALS.
- (3) INCLUDES 144 TONS FOR COUNTY ROADS AND RAMPS. USE RIDEABILITY SPECIFICATIONSEE SPECIAL PROVISION NO. 411C. USE MATERIAL TRANSFER DEVICE, SEE SPECIAL PROVISION NO. 407G AND SPECIAL PROVISION NO. 407SE.
- (4) 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.
- (5) SEE SIGN TABULATION BLOCK THIS SHEET FOR DETAILS.
- (6) IN THE EVENT THAT A CONSTRUCTION AND/OR REGULATORY SIGN IS TEMPORARILY DESIGNATED NOT IN USE DURING THE CONSTRUCTION PHASE OF A PROJECT, THE CONTRACTOR SHALL CHOOSE A SIGN COVERING METHOD FROM A DESIGNATED LIST OF METHODS ACCEPTED BY THE DEPARTMENT. SAID SIGN COVERING METHOD SHALL BE SELECTED FROM QUALIFIED PRODUCTS LIST 10, SECTION D OR APPROVED BY THE DIVISION OF MATERIALS AND TEST AND SHALL BE USED TO COVER THESE SIGNS. NO OTHER METHOD FOR SIGN COVERING WILL BE ALLOWED. TEMPORARY SIGN COVERINGS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.
- (7) THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
- (8) QUANTITY BASED ON EXISTING PAVEMENT MARKING AND EDGELINE. TO BE USED ON THE COLD PLANED SURFACE ONLY.
- (9) QUANTITY BASED ON EXISTING PAVEMENT MARKING AND EDGELINE. TO BE USED ON THE FINAL SURFACE ONLY.

SIGNS (CONSTRUCTION) 712-06				
QUANTITY	M.U.T.C.D. NO.	DESCRIPTION	SIZE	712-06 S.F.
4	G20-1	ROAD WORK NEXT 7.35 MILES	48 x 24	32
4	G20-2	END ROAD WORK	48 x 24	32
4	W20-1	ROAD WORK 1500'	48 x 48	64
4	W20-1	ROAD WORK 1000'	48 x 48	64
4	W20-1	ROAD WORK 500'	48 x 48	64
11	W20-1	ROAD WORK AHEAD	48 x 48	176
4	W20-4	ONE LANE ROAD 1000' - PORTABLE	36 x 36	36
4	W20-7a	FLAGGER SYMBOL - PORTABLE	36 x 36	36
4	W16-2	SUPPLEMENTAL PLATE	24 x 18	12
4	W21-2	FRESH OIL - PORTABLE	36 x 36	36
4	W21-5	SHOULDER WORK - PORTABLE	36 x 36	36
4	W20-5	LEFT LANE CLOSED AHEAD	48 x 48	64
4	W20-5	RIGHT LANE CLOSED AHEAD	48 x 48	64
4	W4-2	LANE CLOSED MERGE LEFT - SYMBOL	48 x 48	64
4	W4-2	LANE CLOSED MERGE RIGHT - SYMBOL	48 x 48	64
4	W8-9a	SHOULDER DROP-OFF - PORTABLE	36 x 36	36
12	W8-11	UNEVEN LANES - PORTABLE	36 x 36	108
TOTAL S.F.				988

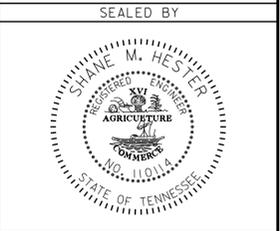
OTHER SIGNS, AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION AND WILL BE MEASURED AND PAID FOR AT THE UNIT BID PRICE. SEE CURRENT M.U.T.C.D. FOR STANDARDS AND TYPICAL APPLICATIONS.

GUARDRAIL					
LOCATION (L.M.)	SIDE		GUARDRAIL AT BRIDGE 705-01.01 (L.F.)	ANCHOR TYPE 38 705-04.07 (EACH)	GUARDRAIL REMOVED 706-01 (L.F.)
	LT	RT			
LM 13.604 TO LM 13.618		X	27	1	
LM 14.829 TO 14.843		X	27	1	
LM 17.163	X			1	50
LM 18.060 TO 18.075		X	27	1	
			81	4	50

Pre-Construction Ride Numbers									
Test Performed by TDOT Road Profiler									
Test Limits		Direction and Measured Roughness (HC-IRI Number Per Mile)						Average Roughness	
Mile		Pre Ride		Payment		Max. # for Min. Required		Pre-Construction	
From	To	NSEW	*Lane	Number	Table	Final Ride	% Improvement	Percent Pay	HC-IRI Number Per Mile
0.00	1.00	N	1	50	Table 1	55.0		100	43.8
1.00	2.00	N	1	43	Table 1	55.0		100	
2.00	3.00	N	1	37	Table 1	55.0		100	
3.00	4.00	N	1	38	Table 1	55.0		100	
4.00	5.00	N	1	32	Table 1	55.0		100	
5.00	6.00	N	1	35	Table 1	55.0		100	
6.00	7.00	N	1	31	Table 1	55.0		100	
7.00	7.48	N	1	34	Table 1	55.0		100	
REMARKS									
0.00	1.00	N	2	51	Table 1	55.0		100	FROM NORTH OF
1.00	2.00	N	2	45	Table 1	55.0		100	SR 243 CONNECTOR
2.00	3.00	N	2	42	Table 1	55.0		100	TO NORTH OF SR 50
3.00	4.00	N	2	36	Table 1	55.0		100	
4.00	5.00	N	2	37	Table 1	55.0		100	(LM 11.35 TO 18.70)
5.00	6.00	N	2	39	Table 1	55.0		100	
6.00	7.00	N	2	40	Table 1	55.0		100	
7.00	7.48	N	2	37	Table 1	55.0		100	
0.00	1.00	S	1	42	Table 1	55.0		100	
1.00	2.00	S	1	41	Table 1	55.0		100	
2.00	3.00	S	1	42	Table 1	55.0		100	
3.00	4.00	S	1	41	Table 1	55.0		100	
4.00	5.00	S	1	43	Table 1	55.0		100	
5.00	6.00	S	1	44	Table 1	55.0		100	
6.00	7.00	S	1	48	Table 1	55.0		100	
7.00	7.48	S	1	67	Table 1	55.0		100	
0.00	1.00	S	2	48	Table 1	55.0		100	
1.00	2.00	S	2	47	Table 1	55.0		100	
2.00	3.00	S	2	50	Table 1	55.0		100	
3.00	4.00	S	2	51	Table 1	55.0		100	
4.00	5.00	S	2	49	Table 1	55.0		100	
5.00	6.00	S	2	50	Table 1	55.0		100	
6.00	7.00	S	2	53	Table 1	55.0		100	
7.00	7.48	S	2	60	Table 1	55.0		100	

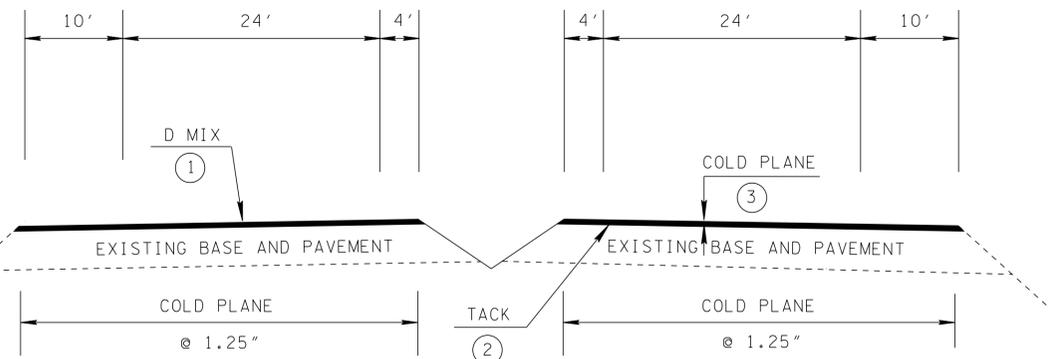
*Lanes to be Left to Right each Direction - 1,2,3,4, etc. with 1 being the Inside Lane

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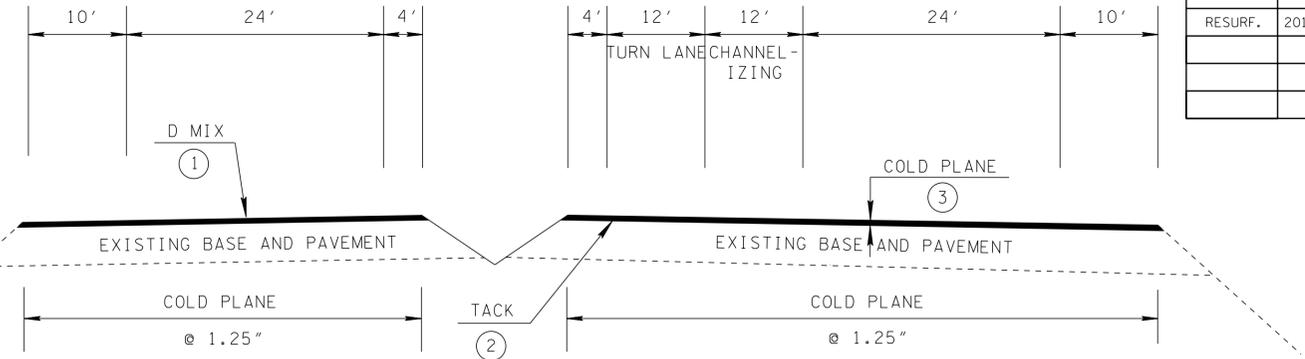
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ESTIMATED ROADWAY QUANTITIES & SIGN TABULATED QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2014	HSP-6(98)	2A



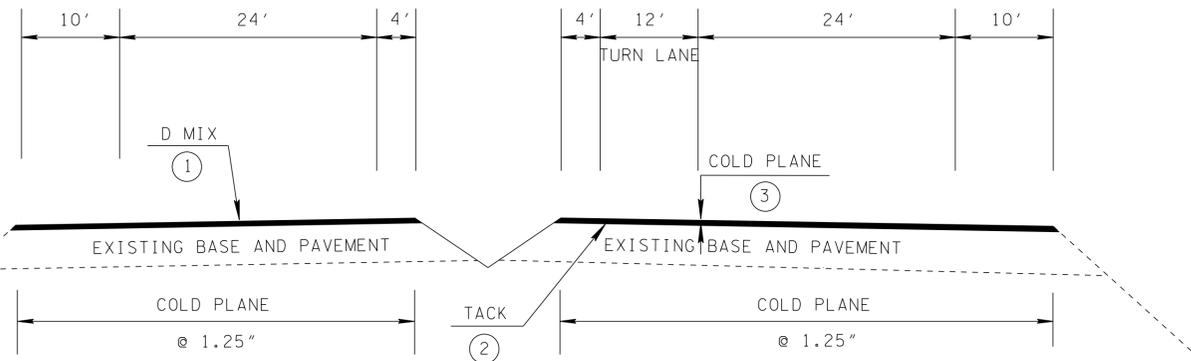
TYPICAL SECTION

L.M. 11.35 TO L.M. 11.68
L.M. 11.86 TO L.M. 13.62
L.M. 13.77 TO L.M. 15.43
L.M. 15.82 TO L.M. 16.63
L.M. 16.74 TO L.M. 17.93
L.M. 18.01 TO L.M. 18.70



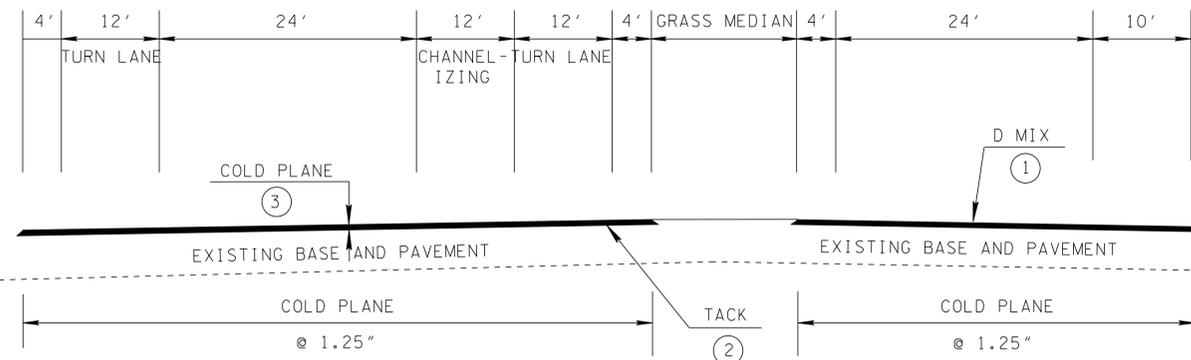
TYPICAL SECTION

L.M. 15.43 TO L.M. 15.61
L.M. 15.67 TO L.M. 15.76 (SIDES REVERSED)



TYPICAL SECTION

L.M. 11.68 TO L.M. 11.86
L.M. 13.62 TO L.M. 13.77
L.M. 15.76 TO L.M. 15.82
L.M. 16.63 TO L.M. 16.74
L.M. 17.93 TO L.M. 18.01

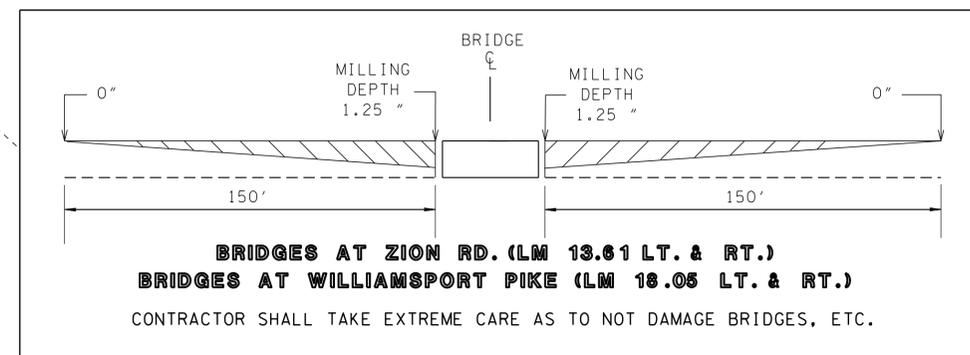
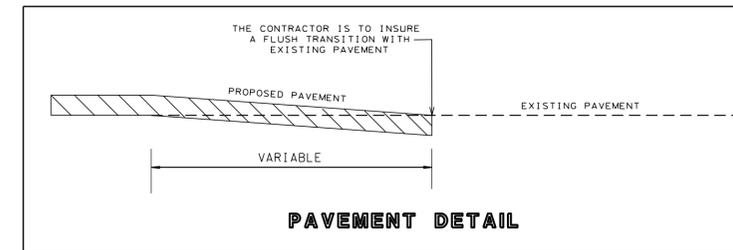


TYPICAL SECTION

L.M. 15.61 TO L.M. 15.67

PAVEMENT SCHEDULE	
①	SURFACE @ 1.25" THICK (APPROX. 132.50 LBS/SY) 411-02.10 ACS MIX (PG70-22) GRADING D
②	TACK COAT @ 0.10 GAL/SY. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
③	COLD PLANING @ 1.25" 415-01.01 COLD PLANING OF BITUMINOUS PAVEMENT

SPECIAL BRIDGE NOTES	
(A)	EXCLUDE RESURFACING ACROSS THE FOLLOWING STRUCTURES: ZION ROAD (L.M. 13.61 LT. & RT.) C.S.X. RAILROAD (L.M. 14.71 LT. & RT.) C.S.X. RAILROAD (L.M. 14.83 LT. & RT.) WILLIAMSPORT PIKE (L.M. 18.05 LT. & RT.)
(B)	RESURFACE WITH PLANS QUANTITIES ACROSS THE FOLLOWING STRUCTURES: BRANCH (L.M. 12.30 LT. & RT.) BRANCH (L.M. 16.35 LT. & RT.) BRANCH (L.M. 16.78 LT. & RT.) BRANCH (L.M. 16.98 LT. & RT.)



BRIDGES AT ZION RD. (LM 13.61 LT. & RT.)
BRIDGES AT WILLIAMSPORT PIKE (LM 18.05 LT. & RT.)
CONTRACTOR SHALL TAKE EXTREME CARE AS TO NOT DAMAGE BRIDGES, ETC.

SPECIAL NOTE:

THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK AND INCLUDE ALL COSTS THEREOF IN THE PRICES BID FOR OTHER ITEMS OF CONSTRUCTION: REPAIR OF SHOULDERS AND DITCHES. SHOULDERS SHALL BE DEGRASSED, MATERIAL SHALL BE PICKED UP AND REMOVED. CLEANING AND STRAIGHTENING ENDS OF EXISTING SIDEDRAINS AND CROSSDRAINS WHERE DIRECTED BY THE ENGINEER.

THERE ARE NO UTILITY ADJUSTMENTS ON THIS PROJECT



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2014	HSP-6(98)	3

GUARDRAIL

- (1) 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.

MISCELLANEOUS

- (1) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES WHERE AND AS DIRECTED BY THE ENGINEER.
- (2) 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

TEMPORARY PAVEMENT MARKING ON INTERMEDIATE LAYERS

- (1) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAYS WORK. 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), L.M.

FINAL PAVEMENT MARKING IF 6" ENHANCED FLATLINE THERMOPLASTIC IS USED

- (2) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" 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. 716-12.02, ENHANCED FLATLINE THERMO PVMT MRKNG (6IN 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

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

RESURFACING

- (3) 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.
- (4) 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.
- (5) 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.
- (6) 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.

GENERAL NOTES

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (1) 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.
- (2) 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.
- (3) 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.
- (4) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (5) 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.
- (6) 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 AN 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.

EROSION PREVENTION AND SEDIMENT CONTROL

LITTER, DEBRIS, WASTE, PETROLEUM

- (1) 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.
- (2) 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.

SPECIAL NOTES

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

- (1) 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:
- (2) 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.

MISCELLANEOUS

- (1) THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK AND INCLUDE ALL COSTS THEREOF IN THE PRICES BID FOR OTHER ITEMS OF CONSTRUCTION: REPAIR OF SHOULDERS AND DITCHES. SHOULDERS SHALL BE DEGRADED, MATERIAL SHALL BE PICKED UP AND REMOVED. CLEANING AND STRAIGHTENING ENDS OF EXISTING SIDEDRAINS AND CROSSDRAINS WHERE DIRECTED BY THE ENGINEER.
- (2) THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN WORKING AROUND EXISTING GUARDRAIL, HIGHWAY SIGNS, OR ANY DEPARTMENT OF TRANSPORTATION STRUCTURE TO AVOID DAMAGE DURING THE COURSE OF CONSTRUCTION. ANY DAMAGE WILL BE REPLACED OR REPAIRED AT HIS OWN EXPENSE.

PAVEMENT MARKINGS

- (1) THE CONTRACTOR WILL BE REQUIRED TO ESTABLISH AND LOCATE ALL NO-PASSING ZONES. THE ESTABLISHMENT OF NO-PASSING ZONES IS TO BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009, PART III, MARKING. ALL NO-PASSING ZONES WILL BE APPROVED BY THE ENGINEER WITH ADVICE FROM THE REGIONAL TRAFFIC ENGINEER PRIOR TO THE MARKING APPLICATION.
- (2) THE CONTRACTOR IS TO PROVIDE THE LAYOUT OF ALL EXISTING PAVEMENT MARKINGS BEFORE BEGINNING THE RESURFACING PROJECT. EXISTING MARKINGS SHALL BE REFERENCED AS NEEDED TO ENSURE THAT ALL NEW MARKINGS ARE REPLACED IN THEIR CORRESPONDING LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

PAVEMENT

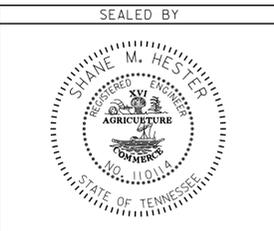
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- (1) SURFACE TO BE CROWNED AS DIRECTED BY THE ENGINEER..

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (1) THE CONSTRUCTION SIGNS, FLAGMEN AND OTHER TRAFFIC CONTROL DEVICES WILL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL
NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2014	HSIP-6(98)	3A

SPECIAL NOTES (CONT.)

- (2) ONE ADVANCE ROAD CONSTRUCTION AHEAD SIGN IS TO BE PLACED ON ALL SIDE ROADS PRIOR TO THEIR INTERSECTION WITH THE PROPOSED PROJECT. LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OR CONTRACTORS SUPERINTENDENT.

EROSION PREVENTION AND SEDIMENT CONTROL

ENVIRONMENTAL

FOR GUARDRAIL TERMINALS

- (1) 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, SPRINGS OR WETLANDS, THE INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION ECOLOGY OR PERMITS SECTION SO AN ACCURATE DETERMINATION CAN BE ASSESSED.
- (2) 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 3 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 BAT NO TREES > 3" DBH SHOULD BE CUT WITHOUT CLEARANCE FROM THE TDOT ENVIRONMENTAL DIVISION ECOLOGY SECTION.

NPDES

- (1) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS, BEFORE CLEANING OUT OR REMOVAL/REPLACEMENT OF DITCHES, SIDE DRAINS, AND CROSS DRAINS, TO ENSURE THAT THE DRAINAGE FEATURES / WATERCOURSES 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.
- (2) 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.

RAILROAD CROSSING NOTES

- (1) THE CONTRACTOR SHALL CONDUCT HIS WORK SO AS TO PROTECT THE RAILROAD'S TRACKS AND PROPERTIES FROM ANY DAMAGE. THE WORK SHALL BE DONE IN ACCORDANCE WITH REGULATIONS STIPULATED BY EACH INDIVIDUAL RAILROAD BEING AFFECTED BY THIS PROJECT SO AS TO MAINTAIN CLEARANCE AND NOT INTERRUPT TRAFFIC IN ANY MANNER.
- (2) THE CONTRACTOR SHALL NOT, FOR ANY REASON, STORE CONSTRUCTION EQUIPMENT UPON NOR STORE OR DUMP WASTE CONSTRUCTION MATERIALS UPON THE RAILROAD'S RIGHT-OF-WAY.
- (3) BRIDGES OVER CSXT RAILROAD LT. AND RT. AT L.M. 14.71 & 14.83 TO BE EXCLUDED FROM RESURFACING. HOWEVER, RESTRIPIING WILL BE REQUIRED ON THESE STRUCTURES.
- (4) SEE AGREEMENT/STATE CONTRACT SPECIAL PROVISION 105C(R) REGARDING INSURANCE AND RAILROAD FLAGGING SERVICES REQUIREMENTS, FOR WORK OVER AND/OR ADJACENT TO THE RAILROAD'S RIGHT OF WAY. THIS IS PAVEMENT MARKING RESTIPIING WORK OVER AND ADJACENT TO THE RAILROAD,

FOR CSX RAILROAD:

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 Fax: (770) 819-2850
 E-Mail: bill_r_stewart@csx.com
 AND TO
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 AND TO
 General Engineering Consultant Designate
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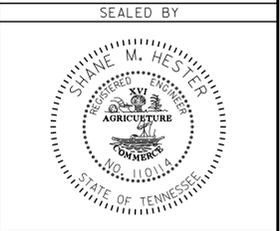
WORK RESTRICTIONS

- (1) WORK TO BE DONE AT NIGHT, LANE CLOSURES ALLOWED BETWEEN 8:00PM AND 6:00AM, SEE SPECIAL PROVISION 108B.

NO WORK SHALL BE ALLOWED DURING THE FOLLOWING HOLIDAY PERIODS:

- A) MULE DAY WEEKEND FRIDAY THRU SATURDAY
 B) THANKSGIVING WEEKEND THURSDAY THRU SUNDAY
 C) MEMORIAL DAY WEEKEND FRIDAY THRU MONDAY
 D) JULY 4TH WEEKEND DEPENDS ON DAY HOLIDAY FALLS ON
 E) LABOR DAY WEEKEND FRIDAY THRU MONDAY
 F) WORK VETERANS DAY

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STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

**SPECIAL
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