

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2015	NH/HSIP-317(18)	2
		33070-3234-94	
		33070-8234-14	

ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	100
(2)	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	54
	403-05.01 BITUMINOUS MATERIAL (FOG SEAL) SHOULDER	TON	2
(3)(4)(5)	411-02.10 ACS MIX(PG70-22) GRADING D	TON	8780
(6)	415-01.02 COLD PLANING BITUMINOUS PAVEMENT	S.Y.	111400
	611-09.01 ADJUSTMENT OF EXISTING CATCHBASIN	EACH	3
(7)	712-01 TRAFFIC CONTROL	LS	1
	712-04.02 FLEXIBLE DRUMS (CHANNELIZING)	EACH	75
	712-05.01 WARNING LIGHTS (TYPE A)	EACH	75
(8)	712-06 SIGNS (CONSTRUCTION)	S.F.	1014
	712-08.03 ARROW BOARD (TYPE C)	EACH	2
	713-16.01 CHANGEABLE MESSAGE SIGN UNIT	EACH	2
	713-16.20 SIGNS RIGHT LANE MUST TURN RIGHT	EACH	1
(9)	716-05.05 PAINTED PAVEMENT MARKING (4" LINE)	L.M.	25.3
	717-01 MOBILIZATION	LS	1
	730-14.02 SAW SLOT	L.F.	7460
	730-14.03 LOOP WIRE	L.F.	38000

FOOTNOTES

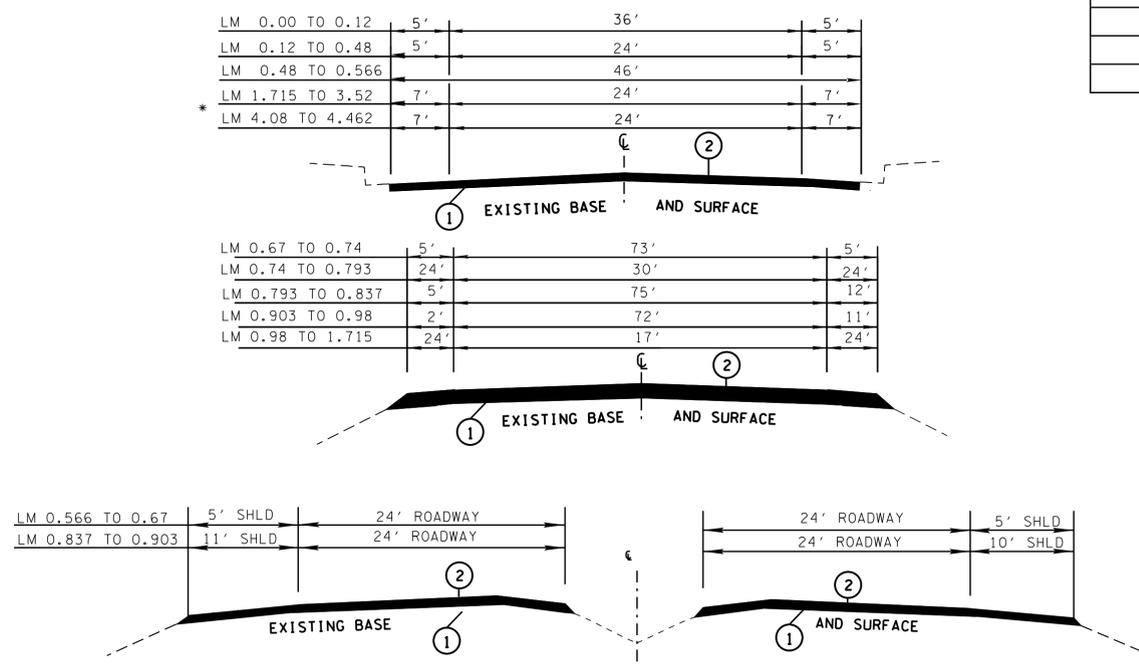
- (1) TO BE USED TO REPAIR SHOULDER FROM LM 0.00 TO 0.04 ON LEFT AND SHOULDER AT PRESERVATION ROAD LM 1.71 AS DIRECTED BY THE TDOT PROJECT SUPERVISOR.
- (2) INCLUDES 3.7 TON FOR SIDE ROADS AND 6.1 TON FOR SPOT LEVELING.
- (3) INCLUDES 613 TON FOR SIDE ROADS AND 1000 TON FOR SPOT LEVELING.
- (4) SEE SPECIAL PROVISION 411-C FOR IDEABILITY.
- (5) A MATERIAL TRANSFER DEVICE (MTD) IS TO BE UAED ON ALL MIXES. SEE SPECIAL PROVISION 407G ALL COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THIS BID ITEM.
- (6) THIS MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR. INCLUDES 9250 SY FROM SIDE ROADS.
- (7) INCLUDES ALL COST ASSOCIATED WITH NIGHT TIME WORK ZONE LIGHTING.
- (8) SEE CONSTRUCTION SIGN TABULATION BLOCK, SHEET 3, FOR DETAILS.
- (9) FOR TEMPORARY PAVEMENT MARKING ON MILLED SURFACE AND INTERMEDIATE LANE LINES.

ESTIMATED SAFETY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(S1)	411-12.02 SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	4.6
(S2)	701-02.01 CONCRETE CURB RAMP (RETROFIT)	S.F.	400
(S3)	705-04.07 TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	1
	712-04.02 FLEXIBLE DRUMS (CHANNELIZATION)	EACH	4
	712-05.01 WARNING LIGHTS (TYPE A)	EACH	4
(S4)	716-01.21 SNWPLWBLE PVMT MRKRS (BI-DIR)(1 COLOR)	EACH	1100
	716-02.04 PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	340
	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	750
	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	50
(S5)	716-02.09 PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	830
	716-02.11 PLASTIC PAVEMENT MARK (6" DOTTED LINE)	L.F.	1240
	716-03.01 PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	5
	716-04.02 PLASTIC PAVEMENT MARKING(DOUBLE TURNING ARROW)	EACH	4
	716-04.05 PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	6
(S6)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	16.6
	730-14.02 SAW SLOT	L.F.	7460
	730-14.03 LOOP WIRE	L.F.	38,000

FOOTNOTES

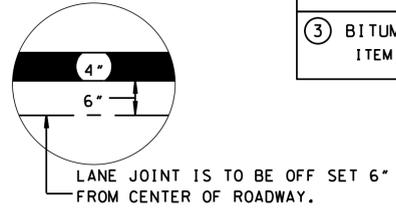
- (S1) TO BE PLACED AT THE JERSEY PIKE INTERSECTION AS DIRECTED BY THE PROJECT SUPERVISOR.
- (S2) SEE GUARDRAIL TABULATION BLOCK FOR DETAILS.
- (S3) TO BE USED AT EXPOSED GUARDRAIL ENDS AS DIRECTED BY TDOT PROJECT SUPERVISOR.
- (S4) THE COST OF REMOVING EXISTING PAVEMENT MARKERS WILL BE INCLUDED IN THE UNIT COST FOR NEW PAVEMENT MARKERS.
- (S5) THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. THE SAME UNIT PRICE SHALL BE PAID FOR PREFORMED PLASTIC.
- (S6) FOR PERMANENT PAVEMENT MARKING ONLY

* EXCLUSION LM 3.52 TO LM 4.08

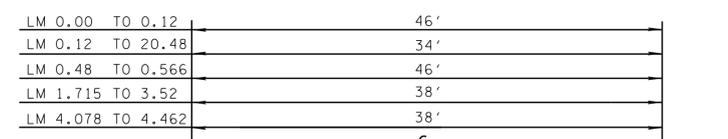


TYPICAL SECTIONS

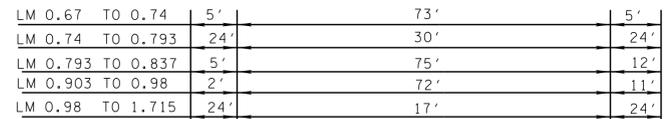
PROPOSED PAVEMENT SCHEDULE	
①	TACK COAT (TC) @ (0.10 GAL./S.Y.) ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
②	BITUMINOUS SURFACE @ 1.25"± THICK (APPROX. 132.5 LBS./S.Y.) ITEM 411-02.10 ACS MIX (PG70-22) GRADING "D"
③	BITUMINOUS SURFACE @ 1.25"± THICK (APPROX. 132.5 LBS./S.Y.) ITEM 411-01.10 ACS MIX (PG64-22) GRADING "D"



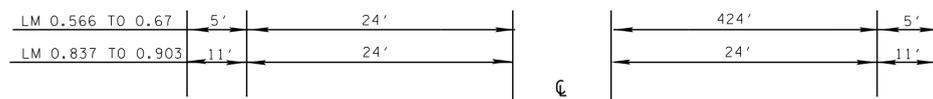
LANE JOINT IS TO BE OFF SET 6" FROM CENTER OF ROADWAY.



COLD PLANE APPROX. 1.25" (W/ 0.12" TOLERANCE)
ITEM NO. 415-01.02



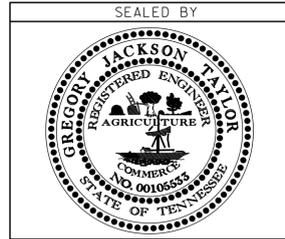
COLD PLANE APPROX. 1.25" (W/ 0.12" TOLERANCE)
ITEM NO. 415-01.02



COLD PLANE APPROX. 1.25" (W/ 0.12" TOLERANCE)
ITEM NO. 415-01.02

COLD PLANE DETAILS

TABULATED GUARDRAIL			
Log Mile	Side	Item No. Type	Item No. GR
0.890	RT	38	Removal
TOTAL		1	50



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES, TYPICAL SECTION & DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2015	NH/HSIP-31 7(1 8)	3
		33070-3234-94	
		33070-8234-14	

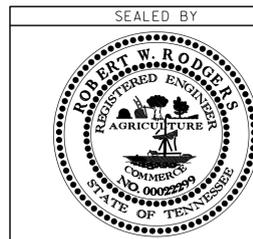
PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

- 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.

SIGNS (CONSTRUCTION) 712-06					
QTY	MUTCD NO.	DESCRIPTION	SIZE		ITEM NO.
			IN	X IN	712-06 S.F.
2	G20-1	ROAD WORK NEXT 5 MILES	36	18	9
4	G20-2	END ROAD WORK	36	18	18
2	W3-4	BE PREPARED TO STOP	36	36	18
13	W8-11	UNEVEN LANES	36	36	117
36	W20-1	ROAD WORK AHEAD	36	36	324
1	W20-1	ROAD WORK 1500 FT	36	36	9
1	W20-1	ROAD WORK 1000 FT	36	36	9
1	W20-1	ROAD WORK 500 FT	36	36	9
2	W20-4	ONE LANE ROAD AHEAD	36	36	18
2	W20-7a	FLAGGER	36	36	18
13	TN-64	GROOVED PAVEMENT	48	48	208
2	W21-2	FRESH OIL	36	36	18
TOTAL					775

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.

UTILITY OWNERS				
UTILITY	NAME	ADDRESS	CONTACT PERSON	PHONE #
Telephone	CenturyLink Communications, LLC	PO Box 100, New Tazewell TN 37825	Jim Arterburn	(423) 626-6882
Gas	Chattanooga Gas Company	PO Box 4569, Atlanta GA 30302-4569	Ben Massengill	(404) 584-3238
Sewer	Collegedale, City of	PO Box 1880, Collegedale TN 37315-1880	John Turner	(423) 396-3135
CATV	Comcast (Xfinity)	2030 East Polymer Drive, Chattanooga TN 37421	Tim Gregory	(706) 252-4185
Water	Eastside Utility District	PO Box 22037, Chattanooga TN 37422	Donald Stafford	(423) 892-2890
Electric	Electric Power Board of Chattanooga	PO Box 182255, Chattanooga TN 37422	David Henderson	(423) 648-3257
Sewer	Hamilton County WWTAA	1250 Market Street, Suite 3050, Chattanooga TN 37402	Cleveland Grimes	(423) 209-7842
Water	Tennessee American Water Company	1500 Riverside Drive, Chattanooga TN 37406	Rosemary Carswell	(423) 771-4703
Electric	Tennessee Valley Authority	1101 Market St MR3F, Chattanooga TN 37402	Missy Davis	(423) 751-7542



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY OWNERS & DROP OFF NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2015	NH/HSIP-31 7(1 8)	4
		33070-3234-94	
		33070-8234-14	

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 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

- (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) ON CURB AND GUTTER SECTIONS, PUBLIC ROAD INTERSECTIONS SHALL BE RESURFACED TO THE END OF RADIUS. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD SHALL BE PROVIDED.
- (17) ON URBAN TYPICAL SECTIONS, (CURB AND GUTTER), RESIDENTIAL DRIVEWAYS AND BUSINESS ENTRANCES SHALL HAVE A MINIMUM WIDTH OF MATERIAL NOT LESS THAN ONE FOOT USED IN THE TRANSITION TO FEATHER THE PAVEMENT EDGE.
- (18) 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.

SIGNALIZATION

- (19) IF RESURFACING IS INCLUDED IN THE PROJECT, SIGNAL DETECTION LOOPS SHALL BE INSTALLED BEFORE THE FINAL SURFACE IS APPLIED.
- (20) ANY SIGNAL HEADS, WHEN VISIBLE TO DRIVERS BUT NOT OPERATIONAL, SHALL BE COMPLETELY COVERED.
- (21) THE PROJECT ENGINEER SHALL NOTIFY THE LOCAL GOVERNMENTAL AGENCY RESPONSIBLE FOR TRAFFIC CONTROL MAINTENANCE AT LEAST ONE DAY IN ADVANCE OF THE COLD PLANING ACTIVITY AT SIGNALIZED INTERSECTIONS WHERE DETECTOR LOOPS ARE ON THE PAVEMENT. THE MAINTAINING AGENCY WILL THEN BE RESPONSIBLE FOR DISCONNECTING THE LOOP DETECTORS AND MAKING ANY NECESSARY TIMING ADJUSTMENTS IN THE SIGNAL CONTROLLER PRIOR TO THE CONSTRUCTION.
- (22) LOOPS SHALL BE INSTALLED IN THE LEVELING COURSE IF A LEVELING COURSE IS PROVIDED.

- (23) LOOP REPLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS.

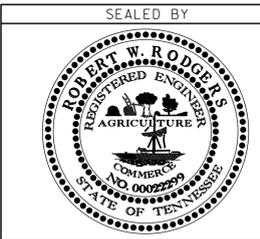
CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (24) 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.
- (25) 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.
- (26) 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.
- (27) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (28) 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.
- (29) 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.
- (30) 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

- (31) 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.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL
NOTES

GENERAL NOTES - continued

- (1) 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.
 - (2) IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY LOCAL REGULATIONS. THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.
 - (3) ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S ON-SITE REPRESENTATIVE WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.
 - (4) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO MPDES, AQUATIC RESOURCES ALTERATION PERMIT(S) CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.
- SPILL PREVENTION, MANAGEMENT AND NOTIFICATION**
- (5) ONLY NEEDED PRODUCTS WILL BE STORED ON-SITE BY THE CONTRACTOR. THE CONTRACTOR WILL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS, PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING WILL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S SITE SUPERINTENDENT WILL INSPECT MATERIAL STORAGE AREA REGULARLY TO ENSURE PROPER USE AND DISPOSAL.
 - (6) WHEN POSSIBLE, ALL PRODUCTS WILL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFF SITE, THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS WILL BE FOLLOWED.
 - (7) ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE.
 - (8) ALL PAINT CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.
 - (9) FOR ALL HAZARDOUS MATERIALS STORED ON SITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP WILL BE CLEARLY POSTED, SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.
 - (10) APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT WILL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ON-SITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT WILL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.
 - (11) ALL SPILLS WILL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY, THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
 - (12) THE CONTRACTOR'S SITE SUPERINTENDENT WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.

- (13) WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD, SEE THE LATEST TENNESSEE GENERAL PERMIT NO. TNR100000 STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES SECTION 5.1 FOR REPORTING REQUIREMENTS.

ENVIRONMENTAL

- (14) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION COMPREHENSIVE INSPECTION OFFICE SHALL BE INVITED TO ALL PRE-CONSTRUCTION MEETINGS.

SPECIAL NOTES

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) ADDITIONAL FLAGGING PERSONNEL WILL BE REQUIRED AS DIRECTED BY THE TDOT PROJECT SUPERVISOR DUE TO THE LARGE NUMBER OF BUSINESS ENTRANCES AND SIDE STREETS.
- (7) THE CONTRACTOR SHALL PROVIDE FLAGGER AT EACH SIDEROAD WITHIN THE PAVING OPERATION.
- (8) A MINIMUM OF TWO (2) TYPE "C" ARROW BOARDS WILL BE REQUIRED. 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.
- (9) 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.

NIGHT WORK

- (10) LIGHTS FOR NIGHT WORK TO BE APPROVED BY THE TDOT PROJECT SUPERVISOR.
- (11) NIGHT WORK SHALL BE DONE BETWEEN THE HOURS OF 6:00 PM AND 4:30 AM. ALL WORK TO BE DONE AT NIGHT SHALL BE DURING THESE HOURS. THIS INCLUDES CONSTRUCTION, MOBILIZATION OF EQUIPMENT AND PLACEMENT AND REMOVAL OF TRAFFIC CONTROL DEVICES.
- (12) ALL CONSTRUCTION SIGNS THAT ARE TO REMAIN IN PLACE DURING CONSTRUCTION MAY BE INSTALLED DURING DAYTIME HOURS AS DIRECTED BY THE TDOT PROJECT SUPERVISOR.

LANE CLOSURES

- (13) THE RESTRICTION OF TRAFFIC TO ONE LANE SHALL NOT EXCEED ONE DAY'S PAVING OPERATION.
- (14) THE CONTRACTOR SHALL KEEP ALL TRAFFIC LANES OPEN TO TRAFFIC DURING NON-WORKING HOURS AND/OR NON-WORK DAYS.
- (15) ALL WORK SHALL BE PERFORMED BETWEEN THE HOURS OF 6:00 PM AND 4:30 AM SUNDAY THROUGH THURSDAY.
- (16) THE CONTRACTOR MUST MAINTAIN ALL LANES OPEN TO TRAFFIC BETWEEN THE HOURS OF 4:30 AM AND 6:00 PM.

- (17) THE CONTRACTOR SHALL SCHEDULE PAVING OPERATIONS TO PREVENT INTERRUPTION OF SCHOOL TRAFFIC DURING MORNING START AND AFTERNOON DISMISSAL.
- (18) 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 4:00 AM UNTIL TUESDAY AT 6:00 PM, IF A STATE HOLIDAY OCCURS OR IS OBSERVED ON MONDAY.
 - C. THURSDAY AT 4:00 AM UNTIL SUNDAY AT 6:00 PM, 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

- (19) 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.
- (20) TDOT MAINTENANCE FORCES ARE TO DEGRASS AND REMOVE SEDIMENT FROM GUTTER AND PERFORM ANY REPAIRS TO GUTTER AND CURB INLETS AS NEEDED BEFORE PAVING COMMENCES.
- (21) ALL CATCHBASINS ARE TO BE CHECKED AND CLEANED AFTER PAVING HAS BEEN COMPLETED. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK. COST IS TO BE INCLUDED IN OTHER ITEMS OF CONSTRUCTION.
- (22) 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.
- (23) ANY QUANTITY REMAINING ON ITEMS COMPLETED PRIOR TO THE PAVING OPERATION WILL NOT BE CONVERTED TO ADDITIONAL ASPHALT FOR THE ROADWAY.
- (24) ITEM NO. 303-01, CRUSHED STONE FOR SHOULDERS, IS TO BE PLACED TO EXISTING SHOULDER WIDTH OR AS DIRECTED BY THE TDOT PROJECT SUPERVISOR. ALL COSTS OF CONSTRUCTING SHOULDERS, SHAPING OR CLIPPING OF EXISTING SHOULDERS AND DISPOSAL OF ANY DEBRIS FROM SHOULDER CLIPPING ARE TO BE INCLUDED IN THE UNIT BID PRICE FOR ITEM NO. 303-01.

COLD PLANING

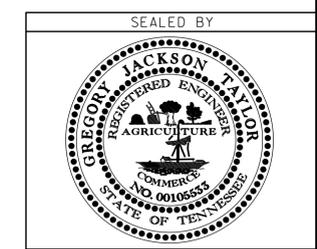
- (25) THE CONTRACTOR WILL BE REQUIRED TO PAVE THE COLD PLANED PAVEMENT WITHIN A PERIOD OF 48 HOURS.
- (26) PROVIDED THAT THE CONTRACTOR USES A COLD PLANED PLANNING MACHINE WITH THE MILLING DRUM SPECIFICATIONS OF CLOSELY SPACED FINE TOOTH (5/16 INCHES OR SMALLER) MILLING DRUM, MOVING FORWARD AT MODERATE 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.
- (27) ALL COLD PLANED MATERIAL IS TO BECOME THE PROPERTY OF THE CONTRACTOR.
- (28) IF SUBSURFACE PAVEMENT FAILURE IS EXPOSED AFTER MILLING, REMOVE AREA OF FAILURE TO SOUND PAVEMENT AND REPLACE WITH "D" MIX PRIOR TO PROPOSED OVERLAY.
- (29) 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 "D" MIX MATERIAL.
- (30) ADJUSTMENT OF EXISTING MANHOLE INCLUDES LOWERING BEFORE MILLING OPERATION BEGINS AND RAISING BACK UP AFTER FINAL PAVING.

PAVEMENT MARKING

- (31) 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.
- (32) 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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2015	NH/HSIP-317(18)	5
		33070-3234-94	
		33070-8234-14	

02-FEB-2015 14:46 \\J02WF01.tdot.state.tn.us\02Shoredesign\County Folder\Design Resurfacing Folders\Resurf 2015\2015 State Routes\FB Hamilton-317\005_Ham-317_GNSN.dgn



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2015	NH/HSIP-31 7(1 8)	6
		33070-3234-94	
		33070-8234-14	

- (1) 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.
- (2) THE CONTRACTOR WILL BE REQUIRED TO INSTALL THE RAISED PAVEMENT MARKERS, TYPE 2 AND SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS AS SOON AS POSSIBLE AFTER THE COMPLETION OF THE SHOULDER PAVEMENT. THE FLEXIBLE DELINEATORS SHALL BE INSTALLED AS SOON AS POSSIBLE AFTER THE SHOULDER STONE PLACEMENT.

SIGNALS

- (3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF SIGNAL WORK WITH THE OWNER SO THE PROVISIONS CAN BE MADE TO PLACE THE SIGNAL ON TIMED OPERATION UNTIL THE NEW LOOPS ARE INSTALLED AND ACTIVATED.
- (4) BEFORE CUTTING SAW SLOTS AND INSTALLING LOOP WIRE THE CONTRACTOR MUST CONTACT CITY OF CHATTANOOGA TRAFFIC ENGINEER FOR LOCATION OF POWER SOURCE AND ANY OTHER QUESTIONS. CONTACT JOHN WALL CHATTANOOGA TRAFFIC ENGINEERING @ (423)757-5003.
- (5) LOOP WIRE MUST BE INSTALLED BEFORE PUTTING DOWN FINAL SURFACE. THIS WILL REQUIRE MILLING IN ADVANCE IN THE AREA WHERE LOOP WIRE WILL BE INSTALLED AND MAY REQUIRE TWO OR MORE ELECTRICAL CREWS TO PUT IN THE LOOPS IN A TIMELY MANNER.

CLEANING DITCHES

- (6) 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.
- (7) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS PRIOR TO CLEANING OR REMOVAL/REPLACEMENT OF DITCHES, SIDE DRAINS, AND CROSS DRAINS TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G., STREAMS, WETLANDS, AND SPRINGS) ARE NOT IMPACTED. IF THE CONTRACTOR/TDOT INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION IMMEDIATELY.

GUARDRAIL

- (8) ALL EXISTING GUARDRAIL REMOVED FROM THIS PROJECT IS TO BECOME THE PROPERTY OF THE CONTRACTOR.
- (9) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS BEFORE CONSTRUCTING EARTH PADS FOR TYPE 38 TERMINALS TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G., STREAMS, WETLANDS AND SPRINGS) ARE NOT IMPACTED. IF THE CONTRACTOR/TDOT INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION IMMEDIATELY.
- (10) IF THE REMOVAL OF ANY TREES WITH A DIAMETER AT BREAST HEIGHT (DBH) GREATER THAN 3 INCHES IS DEEMED NECESSARY DURING THE CONSTRUCTION OF EARTH PADS FOR TYPE 38 GUARDRAIL TERMINALS, THE CONTRACTOR/TDOT INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, ECOLOGY SECTION IMMEDIATELY.

NPDES

- (11) IT IS OUR UNDERSTANDING THAT THE PROJECT WILL NOT DISTURB GREATER THAN 1.0 ACRE. IF IT IS DEEMED NECESSARY TO DISTURB GREATER THAN 1.0 ACRE, THE CONTRACTOR/TDOT INSPECTOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION IMMEDIATELY.

MISCELLANEOUS

- (12) 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.

3-JAN-2015 13:47
 \\J02WF01.tdot.state.tn.us\02Shoredesign\County Design\Folder\Resurfacing\Resurfacing\2015\2015 State Routes\FF8 Hamilton-317\006-Ham-317_SN.dgn



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

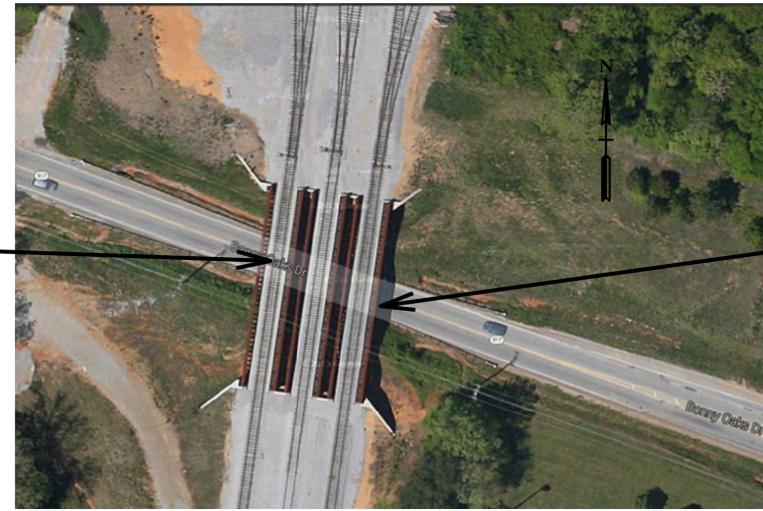
**SPECIAL
NOTES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF	2015	NH/HSIP-317(18)	7
		33070-3234-94	
		33070-8234-14	

**NSRR
UNDERPASS
#736672R
@ LM 3.067**



SR-317
FACING EAST



SR-317
FACING WEST

**NORFOLK SOUTHERN RAILWAY
SPECIAL NOTES**

- (1) THE CONTRACTOR SHALL NOT, FOR ANY REASON, STORE CONSTRUCTION EQUIPMENT UPON NOT STORE OR DUMP WASTE CONSTRUCTION MATERIALS UPON THE RAILROAD'S RIGHTS-OF-WAY.
- (2) THE CONTRACTOR IS PROHIBITED FROM INSTALLING ANY CONSTRUCTION SIGNS, MESSAGE BOARDS, ARROW BOARDS AND/OR OTHER TEMPORARY TRAFFIC CONTROL SIGNS OR DEVICES WITHIN THE RAILROAD'S RIGHTS-OF-WAY, AND IN ALL CASES, THESE SIGNS MUST NEVER BE PLACED IN A POSITION SO AS TO OBSTRUCT THE VIEW OF ANY ADVANCE RAILROAD WARNING SIGNS OR OF ANY OTHER RAILROAD GRADE CROSSING WARNING DEVICES SUCH AS CROSS-BUCK SIGNS, CROSSING SIGNALS, ETC.
- (3) 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 WITHIN 25 FEET OF THE RAILROAD'S R.O.W. WILL REQUIRE THE PRESENCE AND PERMISSION OF AN AUTHORIZED RAILROAD WATCHMAN.
- (4) SEE SPECIAL PROVISION 105C(SL)(R) TO SET UP FLAGGING SERVICES AND SUBMIT FOR INSURANCE REQUIRED FOR WORK AT OR NEAR THE RAILROAD GRADE CROSSINGS ON SR-62, SR-84 AND SR-164.
- (5) THE CONTRACTOR SHALL COORDINATE HIS WORK AT THE RAILROAD CROSSING IN ACCORD WITH SUPPLEMENTAL SPECIFICATION 100SS, SUBSECTION 107.16 OF THE STATE CONTRACT WITH THE FOLLOWING REPRESENTATIVE OF THE RAILROAD:

Mr. Don Sutherland – Division Engineer
Norfolk Southern Corporation
 Central Division Office
 7208 Old Rutledge Pike
 Knoxville, TN 37914
 Phone: (865) 521-1407
 E-Mail: donald.sutherland@nscorp.com

AND

Mr. Daniel Parker, Engineer–Public Improvements
Norfolk Southern Corporation
 1200 Peachtree Street, NE
 Atlanta, GA 30309
 Phone: (404) 529-1256
 E-Mail: daniel.parker@nscorp.com



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**NSRR
UNDERPASS
DETAILS**