

Index of Sheets

SHEET NO.	SHEET NAME
1 ...	TITLE SHEET
2 ...	ESTIMATED ROADWAY QUANTITIES
3 ...	TYPICAL SECTIONS
4 ...	GENERAL NOTES
5 ...	SPECIAL NOTES

Standard Roadway Drawings

DWG. NO.	REV.	DESCRIPTION
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
RD01-S-11	04-04-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
D-PG-3	04-15-97	FERROUS AND ALUMINUM CORRUGATED METAL PIPE
T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
S-GRT-2P		EARTH PAD FOR TYPE 38 TERMINAL
S-GRT-2R		EARTH PAD FOR TYPE 38 TERMINAL (RETROFIT)
T-M-1	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-24-14	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS AND PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	07-24-14	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-15		ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR INTERSTATE AND ACCESS CONTROLLED ROUTES
T-M-15A	11-01-11	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED ROUTES



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 JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT

TDOT C.E. MANAGER 1 TABITHA CAVANESS, P.E., REG. 4

DESIGNER ROSE WILLIAMS/WILLIE COLEMAN, REG. 4 CHECKED BY WILLIE COLEMAN, REG. 4

P.E. NO. 98043-4283-04
PIN: 107546.01

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

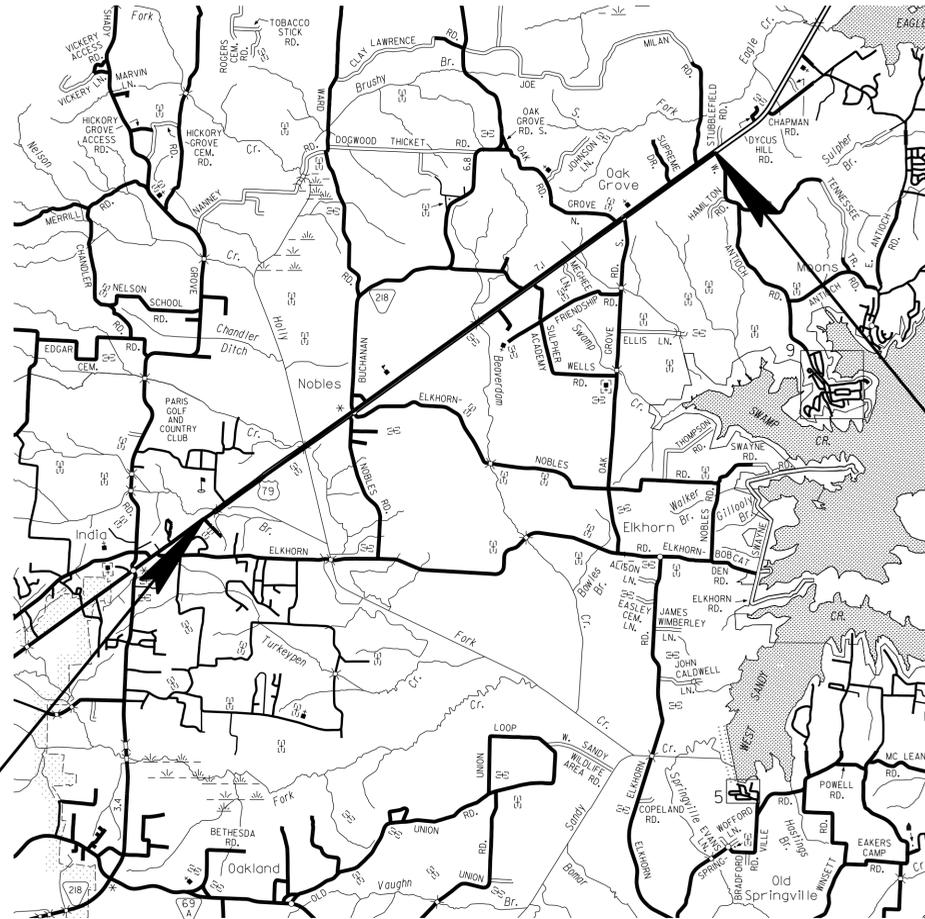
HENRY COUNTY

S.R. 76

FROM: L.M. 18.60 (SERVICE MASTER DR.)
TO: L.M. 25.45 (WEST ANTIOCH RD.)

RESURFACING

STATE HIGHWAY NO. 76 F.A.H.S. NO. N.A.



BEGIN PROJECT L.M. 18.60
(SERVICE MASTER DR.)

END PROJECT L.M. 25.45
(WEST ANTIOCH RD.)

SCALE: 0 1 2 3 MILES



PROJECT LENGTH **6.85 MILES**
TOTAL LANE MILES RESURFACED **27.40 MILES**

TENN.	YEAR	SHEET NO.
	2015	1
FED. AID PROJ. NO.	STP-NH/HS1P-76(95)	
STATE PROJ. NO.	40011-8272-14	



PROJECT SITE

**UNOFFICIAL
SET
NOT FOR
BIDDING**

SEALED BY

APPROVED: Paul D. Deagan
CHIEF ENGINEER

DATE: _____

APPROVED: John Schroer
JOHN SCHROER, COMMISSIONER

TRAFFIC DATA	
ADT (2015)	7850

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP-NH/HSIP-76(95)	2

FOOTNOTES

ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	40011-8272-14 QUANTITY	STP-NH/HSIP-76(95) QUANTITY	TOTAL QUANTITY
203-06	WATER	M.G.	27	0	27
① 303-02	MINERAL AGGREGATE, TYPE B BASE, GRADING (C OR D)	TON	3626	0	3626
② ③ 307-01.15	ASC MIX (PG64-22) (BPMLC-HM) GRADING CS	TON	7753	0	7753
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	275	0	275
② ④ 411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	5617	0	5617
⑤ ⑥ 411-02.10	ACS MIX(PG70-22) GRADING D	TON	16851	0	16851
⑦ 411-12.01	SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	0	14	14
⑧ 411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	0	14	14
⑨ 415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	330336	0	330336
⑩ 607-39.02	18" PIPE CULVERT (SIDE DRAIN)	L.F.	180	0	180
⑩ 607-39.03	24" PIPE CULVERT (SIDE DRAIN)	L.F.	90	0	90
⑪ 705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	0	4	4
712-01	TRAFFIC CONTROL	LS	0.5	0	0.5
⑫ 712-06	SIGNS (CONSTRUCTION)	S.F.	2688	0	2688
712-08.03	ARROW BOARD (TYPE C)	EACH	4	0	4
716-01.23	Snowplowable Pvmr Mkrks (Bi-Dir)(2 Color)	EACH	0	1065	1065
716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	1065	0	1065
⑬ 716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	0	1030	1030
⑭ 716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	0	12	12
⑭ 716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	62	0	62
⑬ ⑮ 716-12.02	ENHANCED FLATLINE THERMO PVMR MRKNG (6IN LINE)	L.M.	0	32	32
717-01	MOBILIZATION	LS	0.5	0	0.5

- ① FOR SHOULDERS ONLY.
- ② SEE SPECIAL PROVISION NO. 407G FOR MATERIAL TRANSFER DEVICE.
- ③ INCLUDES 155 TONS FOR COUNTY ROADS, CITY STREETS, PRIVATE DRIVES AND BUSINESS FRONTS, 301 TONS FOR CROSSOVERS AND TURN LANES 2919 TONS FOR (INSIDE/OUTSIDE) SHOULDERS.
- ④ FOR OUTSIDE SHOULDERS ONLY.
- ⑤ SEE SPECIAL PROVISION NO. 407G FOR MATERIAL TRANSFER DEVICE AND SPECIAL PROVISION NO. 411C FOR RIDEABILITY SPECIFICATIONS.
- ⑥ INCLUDES 445 TONS FOR CITY STREETS, COUNTY ROADS, PRIVATE DRIVES AND BUSINESS FRONTS, 866 TONS FOR CROSSOVERS AND TURN LANES, 2627 TONS FOR INSIDE SHOULDERS AND 300 TONS FOR SPOT LEVELING.
- ⑦ FOR USE ON INSIDE SHOULDERS ONLY.
- ⑧ FOR USE ON OUTSIDE SHOULDERS ONLY.
- ⑨ INCLUDES 13067 SQ. YDS. FOR CROSSOVER AND TURN LANES
- ⑩ TO BE USED ON BUSINESS ENTRANCES, PRIVATE DRIVES AND FIELD ENTRANCES AS DIRECTED BY THE ENGINEER.
- ⑪ FOR UPGRADE OF EXISTING ANCHORS AT ALL STRUCTURE LOCATIONS IN PROJECT LIMITS. THE COST OF REMOVAL OF EXISTING GUARDRAIL AND ANCHORS TO BE INCLUDED IN THIS ITEM.
- ⑫ QUANTITY INCLUDES
- | | | | |
|----|------------------------|----------|-------------|
| 4 | ROAD WORK NEXT 7 MI. | (G20-1) | (48" X 24") |
| 4 | END ROAD WORK | (G20-2) | (48" X 24") |
| 72 | UNEVEN LANES | (W8-11) | (48" X 48") |
| 32 | ROAD WORK AHEAD | (W20-1) | (48" X 48") |
| 4 | ROAD WORK 1 MILE | (W20-1) | (48" X 48") |
| 4 | ROAD WORK 1500 FT. | (W20-1) | (48" X 48") |
| 4 | ROAD WORK 1000 FT. | (W20-1) | (48" X 48") |
| 4 | ROAD WORK 500 FT. | (W20-1) | (48" X 48") |
| 4 | ONE LANE ROAD AHEAD | (W20-4) | (48" X 48") |
| 4 | FLAGGER AHEAD | (W20-7a) | (48" X 48") |
| 4 | FRESH OIL | (W21-2) | (48" X 48") |
| 28 | SHOULDER WORK | (W21-5) | (48" X 48") |
| 4 | MOTORCYCLE GROOVE SIGN | (TN-64) | (48" X 48") |

THIS CONSTRUCTION SIGNING IS TO BE AS A MINIMUM. OTHER SIGNS AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING DIFFERENT PHASES.

- ⑬ FOR FINAL PAVEMENT MARKING ONLY.
- ⑭ FOR USE AS TEMPORARY LINE MARKINGS.
- ⑮ INCLUDES 1 MILE FOR COUNTY ROADS AND CITY STREETS.

**UNOFFICIAL
SET
NOT FOR
BIDDING**

SEALED BY

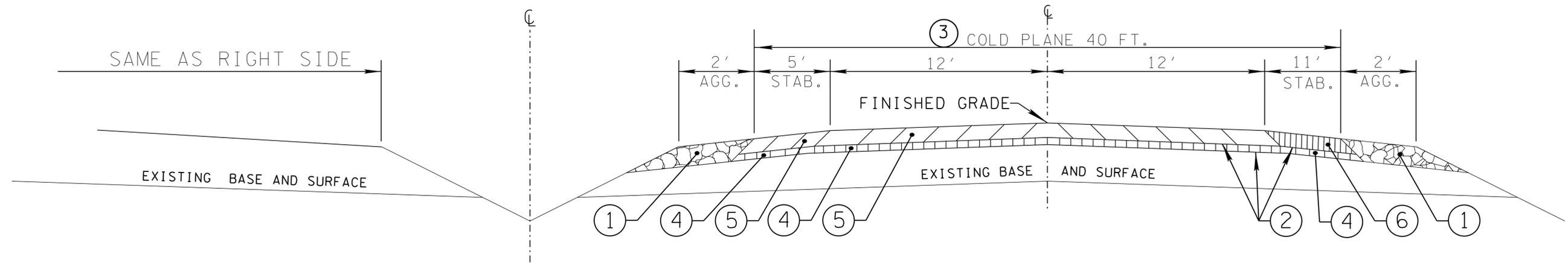


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**ESTIMATED
ROADWAY
QUANTITIES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP-NH/HSIP-76(95)	3

TYPICAL SECTION



FROM: L.M. 18.60 TO L.M. 25.45

PROPOSED PAVEMENT SCHEDULE

①	MINERAL AGGREGATE BASE @ 2"± THICK FOR SHOULDERS ITEM 303-02 MINERAL AGGREGATE, TYPE "B" BASE, GRADING "C OR D"
②	TACK COAT (TC) ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (AT 0.10 GAL./S.Y.)
③	COLD PLANING @ 2"± THICK (APPROX. 210.00 LBS./S.Y.) ITEM 415-01.02 COLD PLANING BITUMINOUS PAVEMENT
④	BITUMINOUS COURSE (LEVELING) @ 0.40"± THICK (APPROX. 46.00 LBS./S.Y.) ITEM 307-01.15 ACS MIX (PG64-22) (BPMLC-HM) GRADING CS
⑤	ASPHALTIC CONCRETE SURFACE (ACS) @ 1.25"± THICK (APPROX. 132.50 LBS./S.Y.) ITEM 411-02.10 ACS MIX (PG70-22) GRADING "D"
⑥	ASPHALTIC CONCRETE SURFACE (ACS) @ 1.25"± THICK (APPROX. 128.75 LBS./S.Y.) ITEM 411-01-07 ACS MIX (PG64-22) GRADING "E" (SHOULDER)

BRIDGE NOTE

THE CONTRACTOR SHALL:

"LEAVE AS IS"
BRIDGES AT L.M. 19.95 (RT/LT) (305')
AND L.M. 22.30 (RT/LT) (165').

PAVE ACROSS EXISTING STRUCTURES WITH
PLANS QUANTITIES ONLY
@ L.M. 18.76 (RT) (55') AND
L.M. 18.79 (LT) (55').

**UNOFFICIAL
SET
NOT FOR
BIDDING**

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**TYPICAL
SECTIONS**
(NOT TO SCALE)

GENERAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP-NH/HSIP-76(95)	4

GRADING

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

THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON OR OFF STATE-OWNED R.O.W. IN A REGULATORY FLOOD WAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY WITHOUT APPROVAL BY SAME. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE, OR LOCAL AGENCY.

GUARDRAIL

THE CONTRACTOR SHALL NOT REMOVE ANY SECTIONS OF EXISTING GUARDRAIL TO REWORK SHOULDERS OR FLATTEN SLOPE 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.

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.

DRAINAGE

THE CONTRACTOR SHALL SHAPE DITCHES TO THE SPECIFIED DESIGN. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS.

UTILITIES

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.

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

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

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 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 MARKINGS (4" LINE), L.M.

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 OPERATIONS 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.

PAVING

THE CONTRACTOR SHALL BE REQUIRED TO COLD PLANE AND PAVE IN THE DIRECTION OF TRAFFIC.

RESURFACING

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 CONSTRUCTIONS.

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.

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.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL NOTES

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.

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.

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.

TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.

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 BE PARKED 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.

**UNOFFICIAL
SET
NOT FOR
BIDDING**

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**GENERAL
NOTES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	STP-NH/HSIP-76(95)	5

SPECIAL NOTES

SURFACE IS TO BE CROWNED AS DIRECTED BY THE ENGINEER.

ALL SIGNS WHICH INTERFERE WITH CONSTRUCTION WILL BE RELOCATED OUTSIDE LIMITS OF CONSTRUCTION BY THE CONTRACTOR. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR WILL RESTORE THE SIGNS TO ORIGINAL LOCATION. COST TO BE INCLUDED IN ITEM NO. 712-06.

IF THE CONTRACTOR ELECTS TO UTILIZE SIGN POST ANCHORS (STUBS) FOR SIGN ERECTION, THESE SHALL BE REMOVED WHEN THE SIGNS ARE REMOVED TO AVOID FUTURE DAMAGE TO MOWERS OR OTHER MACHINERY.

UNDER THE DIRECTION OF THE ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO APPLY PAINTED MARKINGS IN THE PAVEMENT AREAS NOT SPECIFICALLY DETAILED IN THE PLANS. PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR ITEM NO. 716-05.01.

UNDER THE DIRECTION OF THE ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO APPLY PLASTIC MARKINGS IN THE PAVEMENT AREAS NOT SPECIFICALLY DETAILED IN THE PLANS. PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR ITEM NO. 716-12.01.

ITEM 303-02 TO BE PLACED BEFORE PLACING SURFACING MATERIAL.

THE CONTRACTOR WILL BE REQUIRED TO CLEAN AND BLADE GRASS FROM SHOULDERS BEFORE PLACING ITEM 303-02. MATERIAL BLADED FROM SHOULDERS TO BE PICKED UP AND DISPOSED OF AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN ITEM 303-02.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY SIGNS AND MAILBOXES DURING THE OPERATION, ANY SIGNS OR MAILBOXES DAMAGED AS A RESULT OF THE OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

MATERIAL TRANSFER DEVICE SHALL BE USED FOR ALL MIXES.

BUSINESS ENTRANCES AND DRIVEWAYS WILL BE PAVED THE SHOULDER WIDTH AND ONE PAVER WIDTH PLUS UP TO THREE FEET LIP OFF.

THE CONTRACTOR SHALL KEEP TWO TRAFFIC LANES, ONE IN EACH DIRECTION, OPEN TO TRAFFIC DURING NON-WORK HOURS / OR NON-WORK DAYS.

ONLY 4 ARROW BOARDS WILL BE PAID FOR DURING THE LIFE OF THIS PROJECT. IF THE CONTRACTOR'S WORK PHASES REQUIRED ADDITIONAL ARROW BOARDS, THEIR COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS.

THE INSIDE SHOULDERS WILL BE PAVED CONCURRENTLY WITH THE INSIDE TRAFFIC LANE.

THE BITUMINOUS MATERIAL DESIGNATED TO RESTORE THE COLD PLANING AREA WILL BE PLACED WITHIN 48 HOURS OF THE COMMENCEMENT OF COLD PLANING OPERATIONS. COLD PLANING OPERATIONS WILL BE LIMITED TO AN AREA EQUAL TO THAT WHICH CAN BE COVERED WITH BITUMINOUS MATERIAL WITHIN THE TIME LIMITS SPECIFIED. EVEN IF COLD PLANING OPERATIONS MUST BE SUSPENDED UNTIL PAVING CATCHES UP.

THE RAISED REFLECTOR SHALL BE REMOVED BEFORE COLD PLANING.

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.

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL

- A. DIFFERENCE 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. DIFFERENCE 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.

SPECIAL EROSION PREVENTION AND SEDIMENT CONTROL

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.

THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS BEFORE CONSTRUCTING EARTH PADS FOR THE TYPE 38 TERMINALS TO ENSURE THAT THE 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. AND 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 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.

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.

**UNOFFICIAL
SET
NOT FOR
BIDDING**

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**SPECIAL
NOTES**

Index of Sheets

SHEET NO.	SHEET NAME
1 ...	TITLE SHEET
2 ...	ESTIMATED ROADWAY QUANTITIES
3 ...	TYPICAL SECTIONS
4 ...	GENERAL NOTES AND SPECIAL NOTES
5 ...	PRE-CONSTRUCTION RIDE NUMBERS

Standard Roadway Drawings

DWG. NO.	REV.	DESCRIPTION
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
RD01-S-11	04-04-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
D-PG-3	04-15-97	FERROUS AND ALUMINUM CORRUGATED METAL PIPE
S-GRT-2P		EARTH PAD FOR TYPE 38 TERMINAL
S-GRT-2R		EARTH PAD FOR TYPE 38 (RETROFIT)
T-M-1	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-24-14	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS AND PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	07-24-14	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-16A		ASPHALT CENTER LINE RUMBLE STRIPE

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING

HENRY COUNTY

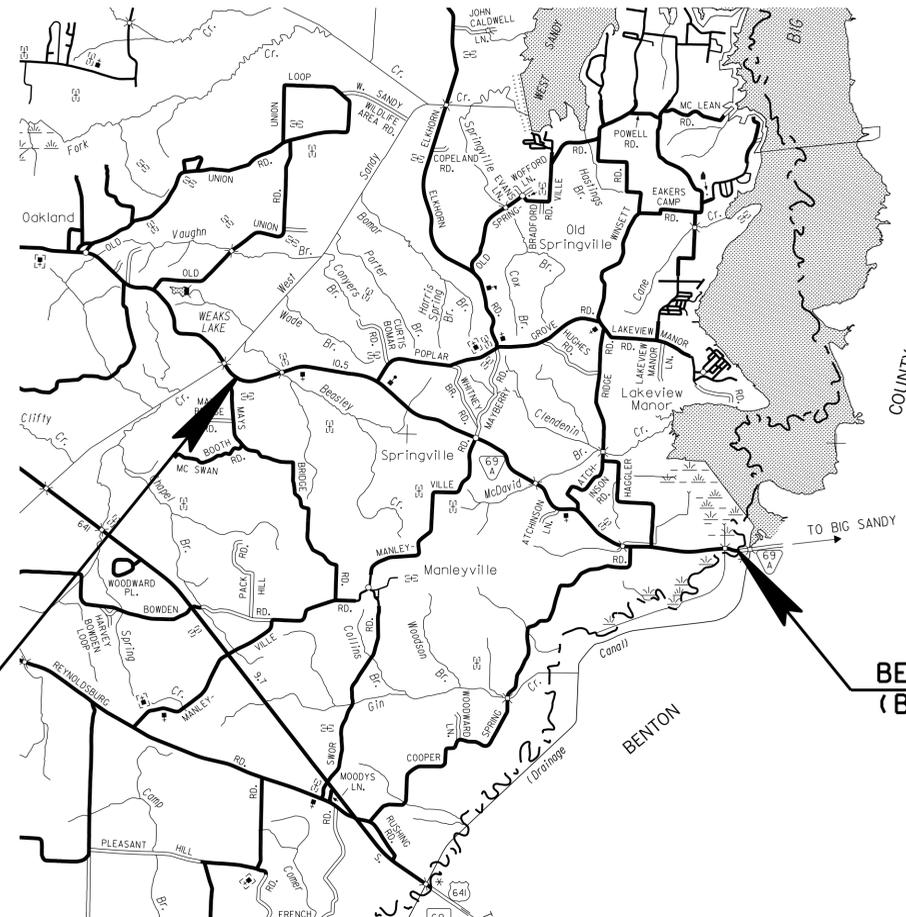
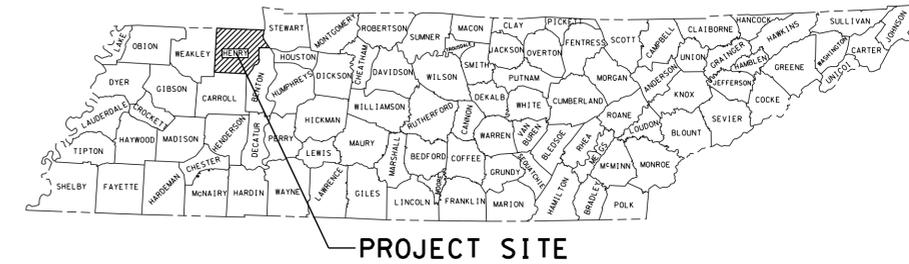
S.R. 69A

FROM: L.M. 0.00 (BENTON CO. LINE)
TO: L.M. 6.21 (N. OF MAYS BR. RD.)

RESURFACING

STATE HIGHWAY NO. 69A F.A.H.S. NO. N.A.

TENN.	YEAR 2015	SHEET NO. 1
FED. AID PROJ. NO.	HSIP-69(90)	
STATE PROJ. NO.	40009-4214-04	



END PROJECT L.M. 6.21
(N. OF MAYS BR. RD.)

BEGIN PROJECT L.M. 0.00
(BENTON CO. LINE)



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 JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT

TDOT C.E. MANAGER 1 TABITHA CAVANESS, P.E., REG. 4

DESIGNER ROSE WILLIAMS/WILLIE COLEMAN, REG. 4 CHECKED BY WILLIE COLEMAN, REG. 4

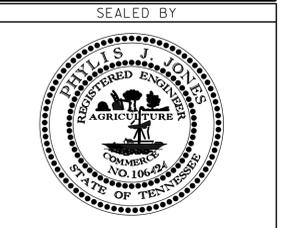
P.E. NO. 98043-4283-04
PIN: 117780.00

SCALE: 0 1 2 3 MILES

PROJECT LENGTH **6.21 MILES**
TOTAL LANE MILES RESURFACED **12.42 MILES**

TRAFFIC DATA	
ADT (2015)	1930

**UNOFFICIAL
SET
NOT FOR
BIDDING**



APPROVED: Paul D. Decker
CHIEF ENGINEER

DATE: _____

APPROVED: John Schroer
JOHN SCHROER, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	HSIP-69(90)	2

FOOTNOTES

ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	40009-4214-04 QUANTITY	HSIP-69(90) QUANTITY	TOTAL QUANTITY
	203-06 WATER	M.G.	6	0	6
①	303-02 MINERAL AGGREGATE, TYPE B BASE, GRADING (C OR D)	TON	822	0	822
②③	307-01.15 ASC MIX (PG64-22) (BPMLC-HM) GRADING CS	TON	2162	0	2162
	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	58	0	58
③④	411-02.10 ACS MIX (PG70-22) GRADING D	TON	625	0	625
⑤⑥	411-03.12 ACS MIX (PG64-22) THIN LIFT D ASPHALT	TON	3994	0	3994
	411-12.04 SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (4IN WIDTH)	L.M.	0	13	13
⑦	415-01.02 COLD PLANING BITUMINOUS PAVEMENT	S.Y.	1600	0	1600
⑧	607-39.02 18" PIPE CULVERT (SIDE DRAIN)	L.F.	318	0	318
⑧	607-39.03 24" PIPE CULVERT (SIDE DRAIN)	L.F.	90	0	90
⑨	705-04.07 TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	0	4	4
	712-01 TRAFFIC CONTROL	LS	0.5	0	0.5
⑩	712-06 SIGNS (CONSTRUCTION)	S.F.	1328	0	1328
	716-01.21 Snwplwble Pvmt Mrks (Bi-Dir)(1 Color)	EACH	0	412	412
	716-01.30 REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	412	0	412
⑪	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	0	250	250
⑬	716-05.01 PAINTED PAVEMENT MARKING (4" LINE)	L.M.	25	0	25
⑪⑫	716-13.01 SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	0	26	26
	717-01 MOBILIZATION	LS	0.5	0	0.5

- ① FOR SHOULDERS ONLY.
- ② INCLUDES 127 TONS FOR COUNTY ROADS, PRIVATE DRIVES AND 36 TONS FOR BUSINESS FRONTS.
- ③ SEE SPECIAL PROVISION NO. 407G FOR MATERIAL TRANSFER DEVICE.
- ④ FOR SPOT LEVELING ONLY.
- ⑤ SEE SPECIAL PROVISION NO. 407G FOR MATERIAL TRANSFER DEVICE AND SPECIAL PROVISION NO. 411C FOR RIDEABILITY SPECIFICATIONS.
- ⑥ INCLUDES 239 TONS FOR COUNTY ROADS, PRIVATE DRIVES AND 68 TONS FOR BUSINESS FRONTS.
- ⑦ FOR BRIDGE ENDS AT L.M. 0.12 ONLY.
- ⑧ TO BE USED ON BUSINESS ENTRANCES, PRIVATE DRIVES AND FIELD ENTRANCES AS DIRECTED BY THE ENGINEER.
- ⑨ FOR UPGRADE OF EXISTING ANCHORS AT ALL STRUCTURE LOCATIONS IN PROJECT LIMITS. THE COST OF REMOVAL OF EXISTING GUARDRAIL AND ANCHORS TO BE INCLUDED IN THIS ITEM.
- ⑩ QUANTITY INCLUDES

2	ROAD WORK NEXT 6 MI.	(G20-1)	(48" X 24")
2	END ROAD WORK	(G20-2)	(48" X 24")
32	UNEVEN LANES	(W8-11)	(48" X 48")
21	ROAD WORK AHEAD	(W20-1)	(48" X 48")
2	ROAD WORK 1 MILE	(W20-1)	(48" X 48")
2	ROAD WORK 1500 FT.	(W20-1)	(48' X 48")
2	ROAD WORK 1000 FT.	(W20-1)	(48" X 48")
2	ROAD WORK 500 FT.	(W20-1)	(48" X 48")
2	ONE LANE ROAD AHEAD	(W20-4)	(48" X 48")
2	FLAGGER AHEAD	(W20-7a)	(48" X 48")
2	FRESH OIL	(W21-2)	(48" X 48")
12	SHOULDER WORK	(W21-5)	(48" X 48")
2	MOTORCYCLE GROOVE SIGN	(TN-64)	(48" X 48")

THIS CONSTRUCTION SIGNING IS TO BE AS A MINIMUM. OTHER SIGNS AS DIRECTED BY THE ENGINEER MAY BE REQUIRED DURING DIFFERENT PHASES.

- ⑪ FOR FINAL PAVEMENT MARKING ONLY.
- ⑫ FOR USE AS TEMPORARY LINE MARKINGS.
- ⑬ INCLUDES 1 MILE FOR COUNTY ROADS AND CITY STREETS.

**UNOFFICIAL
SET
NOT FOR
BIDDING**

SEALED BY

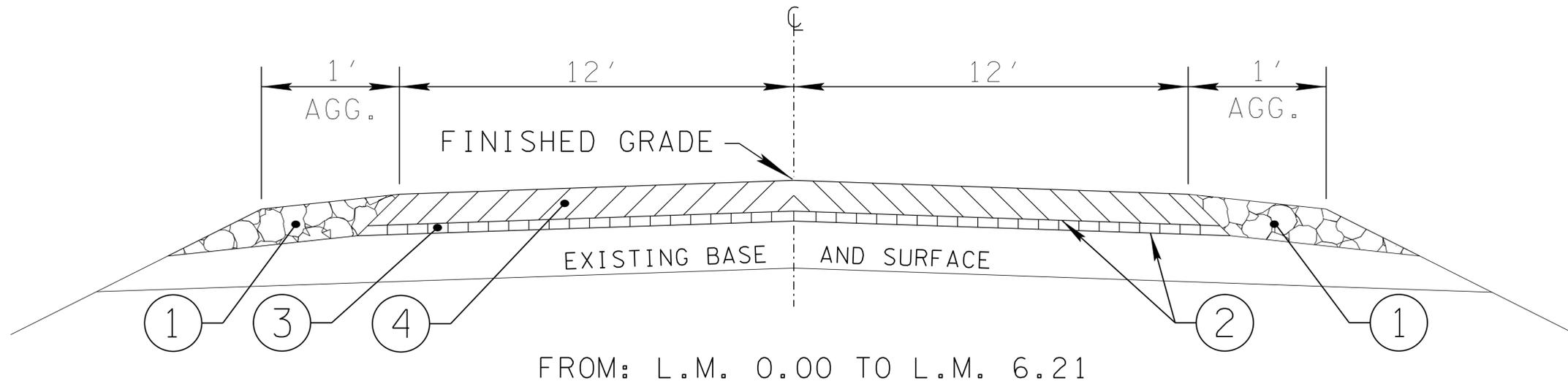


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**ESTIMATED
ROADWAY
QUANTITIES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	HSIP-69(90)	3

TYPICAL SECTION



PROPOSED PAVEMENT SCHEDULE	
①	MINERAL AGGREGATE BASE @ 2"± THICK FOR SHOULDERS ITEM 303-02 MINERAL AGGREGATE, TYPE "B" BASE, GRADING "C OR D"
②	TACK COAT (TC) ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (AT 0.07 GAL./S.Y.)
③	BITUMINOUS COURSE (LEVELING) @ 0.40"± THICK (APPROX. 46.00 LBS./S.Y.) ITEM 307-01.15 ACS MIX (PG64-22) (BPMLC-HM) GRADING CS
④	ASPHALTIC CONCRETE SURFACE (ACS) @ 0.80"± THICK (APPROX. 85.00 LBS./S.Y.) ITEM 411-03.12 ACS MIX (PG64-22) THIN LIFT D ASPHALT
⑤	COLD PLANING @ 1.50"± THICK (APPROX. 157.50 LBS./S.Y.) ITEM 415-01.02 COLD PLANING BITUMINOUS PAVEMENT (300' OFF BR. ENDS AT L.M. 0.12)

BRIDGE NOTE

THE CONTRACTOR SHALL:
"LEAVE AS IS"
BRIDGES AT L.M. 0.12 (276')

PAVE ACROSS EXISTING STRUCTURES
WITH PLANS QUANTITIES ONLY AT
L.M. 1.28. (33'), L.M. 2.50 (27')
AND L.M. 5.66 (70').

**UNOFFICIAL
SET
NOT FOR
BIDDING**



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**TYPICAL
SECTIONS**
(NOT TO SCALE)

GENERAL NOTES

GRADING

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

THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON OR OFF STATE-OWNED R.O.W. IN A REGULATORY FLOOD WAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY WITHOUT APPROVAL BY SAME. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE, OR LOCAL AGENCY.

GUARDRAIL

THE CONTRACTOR SHALL NOT REMOVE ANY SECTIONS OF EXISTING GUARDRAIL TO REWORK SHOULDERS OR FLATTEN SLOPE 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.

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.

DRAINAGE

THE CONTRACTOR SHALL SHAPE DITCHES TO THE SPECIFIED DESIGN. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS.

UTILITIES

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.

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

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

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 LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01 PAINTED PAVEMENT MARKINGS (4" LINE), L.M.

PERMANENT PAVEMENT LINE MARKINGS SHALL BE 4" SPRAY THERMOPLASTIC (60 ml) 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. 716-13.01, SPRAY THERMO PVMT MRKNG (60 ml) (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 OPERATIONS 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.

RESURFACING

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 CONSTRUCTIONS.

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.

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.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL NOTES

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.

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.

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.

TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.

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 BE PARKED 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.

SPECIAL NOTES

SURFACE IS TO BE CROWNED AS DIRECTED BY THE ENGINEER.

ALL SIGNS WHICH INTERFERE WITH CONSTRUCTION WILL BE RELOCATED OUTSIDE LIMITS OF CONSTRUCTION BY THE CONTRACTOR. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR WILL RESTORE THE SIGNS TO ORIGINAL LOCATION. COST TO BE INCLUDED IN ITEM NO. 712-06.

IF THE CONTRACTOR ELECTS TO UTILIZE SIGN POST ANCHORS (STUBS) FOR SIGN ERECTION. THESE SHALL BE REMOVED WHEN THE SIGNS ARE REMOVED TO AVOID FUTURE DAMAGE TO MOWERS OR OTHER MACHINERY.

UNDER THE DIRECTION OF THE ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO APPLY PAINTED MARKINGS IN THE PAVEMENT AREAS NOT SPECIFICALLY DETAILED IN THE PLANS. PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR ITEM NO. 716-05.01.

UNDER THE DIRECTION OF THE ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO APPLY PLASTIC MARKINGS IN THE PAVEMENT AREAS NOT SPECIFICALLY DETAILED IN THE PLANS. PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR ITEM NO. 716-13.01.

THE CONTRACTOR WILL BE REQUIRED TO ESTABLISH AND LOCATE ALL NO-PASSING ZONES AS WELL AS PROVIDING THE LAYOUT OF ALL PAVEMENT MARKINGS REQUIRED ON THE PROJECT. THE ESTABLISHMENT OF NO-PASSING ZONES IS TO BE IN ACCORDANCE WITH CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ITEM 303-02 TO BE PLACED BEFORE PLACING SURFACING MATERIAL.

THE CONTRACTOR WILL BE REQUIRED TO CLEAN AND BLADE GRASS FROM SHOULDERS BEFORE PLACING ITEM 303-02. MATERIAL BLADED FROM SHOULDERS TO BE PICKED UP AND DISPOSED OF AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN ITEM 303-02.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY SIGNS AND MAILBOXES DURING THE OPERATION, ANY SIGNS OR MAILBOXES DAMAGED AS A RESULT OF THE OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

MATERIAL TRANSFER DEVICE SHALL BE USED FOR ALL MIXES.

BUSINESS ENTRANCES AND DRIVEWAYS WILL BE PAVED THE SHOULDER WIDTH AND ONE PAVER WIDTH PLUS UP TO THREE FEET LIP OFF.

THE BITUMINOUS MATERIAL DESIGNATED TO RESTORE THE COLD PLANING AREA WILL BE PLACED WITHIN 48 HOURS OF THE COMMENCEMENT OF COLD PLANING OPERATIONS. COLD PLANING OPERATIONS WILL BE LIMITED TO AN AREA EQUAL TO THAT WHICH CAN BE COVERED WITH BITUMINOUS MATERIAL WITHIN THE TIME LIMITS SPECIFIED. EVEN IF COLD PLANING OPERATIONS MUST BE SUSPENDED UNTIL PAVING CATCHES UP.

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.

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL

- A. DIFFERENCE 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. DIFFERENCE 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.

SPECIAL EROSION PREVENTION AND SEDIMENT CONTROL

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.

THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS BEFORE CONSTRUCTING EARTH PADS FOR THE TYPE 38 TERMINALS TO ENSURE THAT THE 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. AND 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 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.

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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2015	HS1P-69(90)	4

**UNOFFICIAL
SET
NOT FOR
BIDDING**

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES
AND
SPECIAL NOTES**

