

Index Of Sheets
RESURFACING

| SHEET NO. | DESCRIPTION |
|-----------|--|
| 1 | TITLE SHEET |
| 2 | ESTIMATED ROADWAY QUANTITIES |
| 2A | TYPICAL SECTIONS AND PAVEMENT SCHEDULE |
| 2B | GENERAL NOTES |
| 2C | SPECIAL NOTES |

"NO PROJECT COMMITMENTS SHEETS INCLUDED IN THIS SET OF PLANS"
"NO UTILITY SHEETS"

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 |
| ROADSIDE SAFETY DEVICES AND FENCES | | |
| S-GR31-1 | 12-01-14 | W-BEAM GUARDRAIL |
| S-GRT-2 | 11-03-14 | TYPE 38 GUARDRAIL TERMINAL |
| S-GRT-2P | | EARTH PAD FOR TYPE 38 TERMINAL |
| S-GRT-2R | | EARTH PAD FOR TYPE 38 (RETROFIT) |
| S-PL-2 | | SAFETY PLAN AT SIDE ROADS OR PRIVATE DRIVES |
| ROADWAY AND PAVEMENT APPURTENANCES | | |
| RP-H-3 | 01-30-15 | CURB RAMP AND TRUNCATED DOME SURFACE DETAIL |
| TRAFFIC CONTROL APPURTENANCES | | |
| 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 & PAVED SHOULDERS ON CONVENTIONAL ROADS |
| T-M-4 | 07-24-14 | STANDARD INTERSECTION PAVEMENT MARKINGS |
| T-M-16 | 12-01-14 | ASPHALT SHOULDER RUMBLE STRIPE INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED ROUTES |
| T-WZ-10 | 04-02-12 | ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS |

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

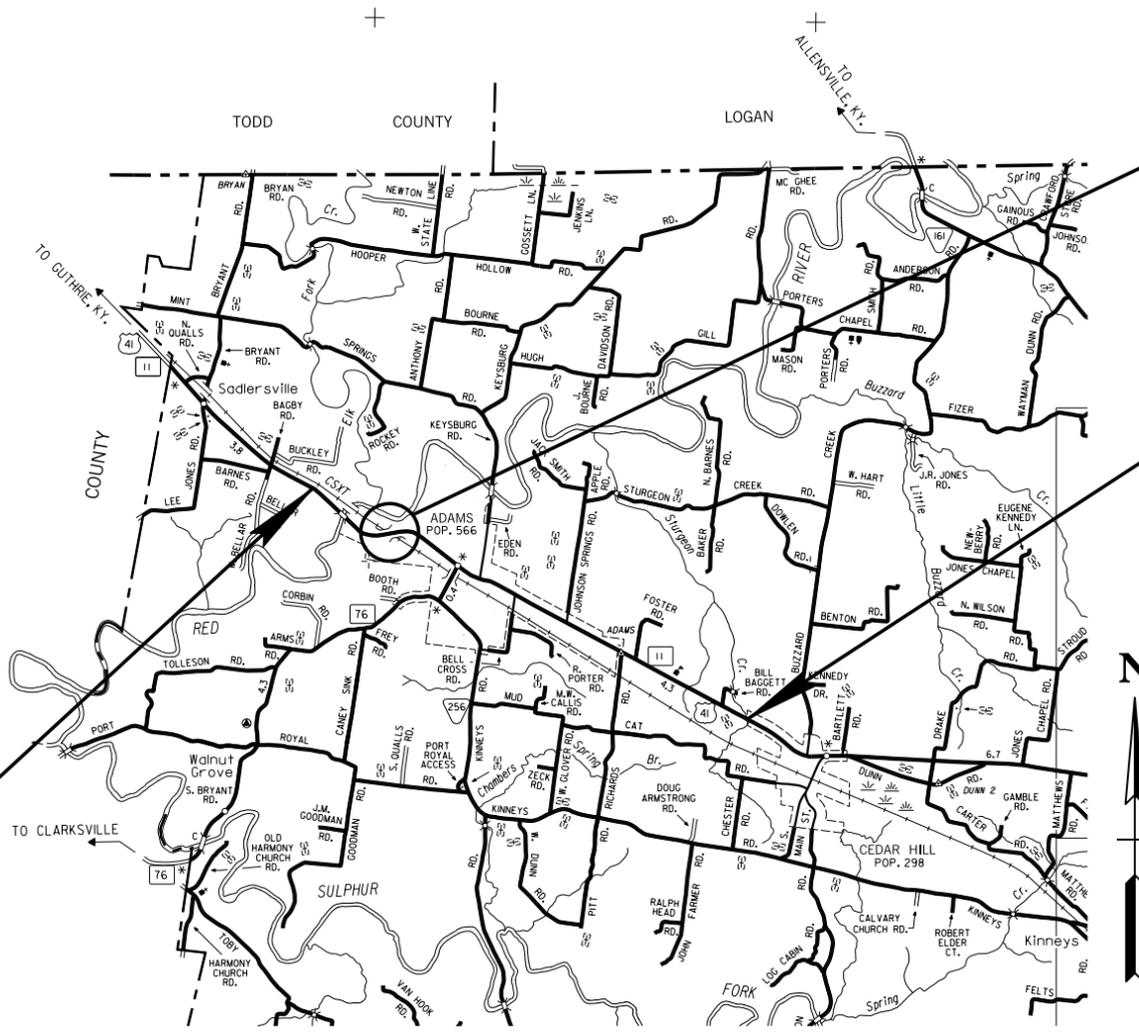
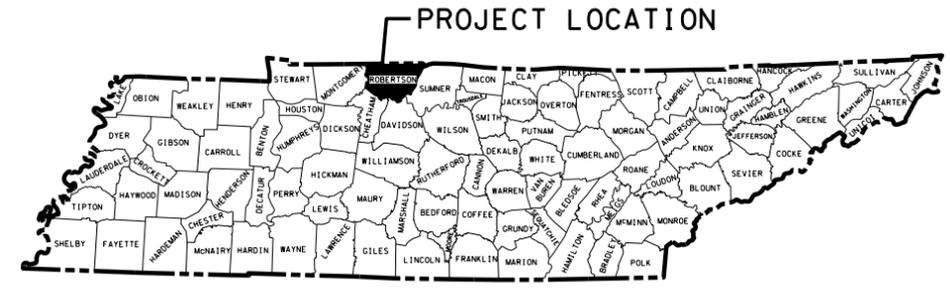
ROBERTSON COUNTY

STATE ROUTE NO. 11
FROM SOUTH OF BILL BAGGETT ROAD (L.M. 19.76)
TO NORTH OF RED RIVER BRIDGE (L.M. 25.00)

RESURFACING

STATE HIGHWAY NO. 11 F.A.H.S. NO. 41

| TENN. | YEAR | SHEET NO. |
|--------------------|-----------------|-----------|
| | 2015 | 1 |
| FED. AID PROJ. NO. | STP/HSIP-11(82) | |
| STATE PROJ. NO. | 74005-8236-14 | |
| STATE PROJ. NO. | 74005-3236-94 | |



**C.S.X. CROSSING #348144U
OVERHEAD (74SR0110007)
(L.M. 24.03)**

74005-8236-14
74005-3236-94

**BEGIN PROJ. NO. STP/HSIP-11(82)
(L.M. 19.76)**

**74005-8236-14
74005-3236-94
END PROJ. NO. STP/HSIP-11(82)
(L.M. 25.00)**

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.

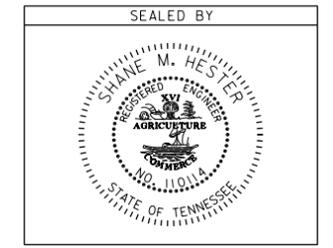
THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT CE MANAGER 2 SHANE HESTER, P.E.
DESIGNER JESSE HOOVER CHECKED BY RUSTY BOGUSKIE
P.E. NO. 98034-4299-04
PIN NO. 103819.01

SCALE: 1" = 1 MILE

**PROJECT LENGTH 5.24 MILES
TOTAL LANE MILES RESURFACED 10.5 MILES**

**UNOFFICIAL
SET
NOT FOR
BIDDING**



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

DATE: _____
APPROVED: John Schroer
JOHN SCHROER, COMMISSIONER

| TRAFFIC DATA | |
|--------------|--------|
| ADT (2015) | 3510 |
| V | 55 MPH |

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|---------|------|-----------------|-----------|
| RESURF. | 2015 | STP/HSIP-11(82) | 2 |

| ESTIMATED ROADWAY QUANTITIES | | | | | |
|------------------------------|--|------|------------------------|----------------------|----------------|
| ITEM NO. | DESCRIPTION | UNIT | 74005-8236-14 QUANTITY | 74005-3236-94 SAFETY | TOTAL QUANTITY |
| (1) | 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D | TON | 1425 | | 1425 |
| (2) | 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2 | TON | 500 | | 500 |
| | 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) | TON | 47 | | 47 |
| (3) | 411-03.12 ACS MIX(PG64-22) THIN LIFT D ASPHALT | TON | 4600 | | 4600 |
| | 411-12.03 SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH) | L.M. | | 7.9 | 7.9 |
| (10) | 415-01.01 COLD PLANING BITUMINOUS PAVEMENT | TON | 4136 | | 4136 |
| | 701-02.01 CONCRETE CURB RAMP (RETROFIT) | S.F. | | 16 | 16 |
| | 705-02.02 SINGLE GUARDRAIL (TYPE 2) | L.F. | | 50 | 50 |
| | 706-06.03 RADIUS RAIL | L.F. | | 100 | 100 |
| | 705-04.05 GUARDRAIL TERMINAL (TYPE-IN-LINE) | EACH | | 4 | 4 |
| | 706-01 GUARDRAIL REMOVED | L.F. | | 100 | 100 |
| (4) | 712-01 TRAFFIC CONTROL | LS | 1 | | 1 |
| | 712-04.01 FLEXIBLE DRUMS (CHANNELIZING) | EACH | 25 | | 25 |
| | 712-05.01 WARNING LIGHTS (TYPE A) | EACH | 4 | | 4 |
| (5) | 712-06 SIGNS (CONSTRUCTION) | S.F. | 630 | | 630 |
| | 716-01.21 SNWPLWBLE PVMT MRKRS (BI-DIR)(1 COLOR) | EACH | | 350 | 350 |
| (8) | 716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE) | L.F. | 12 | | 12 |
| (9) | 716-05.01 PAINTED PAVEMENT MARKING (4" LINE) | L.M. | 18.3 | | 18.3 |
| (6) | 716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE) | L.M. | 7.8 | | 7.8 |
| (7) | 716-13.02 SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE) | L.M. | | 10.5 | 10.5 |
| | 717-01 MOBILIZATION | LS | 1 | | 1 |

| SIGNS (CONSTRUCTION) 712-06 | | | | |
|-----------------------------|----------------|--------------------------------|---------|-------------|
| QUANTITY | M.U.T.C.D. NO. | DESCRIPTION | SIZE | 712-06 S.F. |
| 2 | G20-1 | ROAD WORK NEXT 6 MILES | 48 x 24 | 16 |
| 2 | G20-2 | END ROAD WORK | 48 x 24 | 16 |
| 2 | W20-1 | ROAD WORK 1500' | 48 x 48 | 32 |
| 2 | W20-1 | ROAD WORK 1000' | 48 x 48 | 32 |
| 2 | W20-1 | ROAD WORK 500' | 48 x 48 | 32 |
| 22 | W20-1 | ROAD WORK AHEAD | 48 x 48 | 352 |
| 2 | W20-4 | ONE LANE ROAD 1000' - PORTABLE | 36 x 36 | 18 |
| 2 | W20-7a | FLAGGER SYMBOL - PORTABLE | 36 x 36 | 18 |
| 2 | W16-2 | SUPPLEMENTAL PLATE | 24 x 18 | 6 |
| 2 | W21-2 | FRESH OIL - PORTABLE | 36 x 36 | 18 |
| 2 | W21-5 | SHOULDER WORK - PORTABLE | 36 x 36 | 18 |
| 2 | W8-9a | SHOULDER DROP-OFF - PORTABLE | 36 x 36 | 18 |
| 6 | W8-11 | UNEVEN LANES - PORTABLE | 36 x 36 | 54 |
| TOTAL S.F. | | | | 630 |

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.

| COLD PLANE | | | | |
|--------------|-------------|------------|------------|-------------|
| LOCATION | LENGTH (FT) | WIDTH (FT) | DEPTH (IN) | TOTAL (TON) |
| LM 20.60 | 50 | 29 | 2 | 17 |
| LM 23.25 | 100 | 29 | 2 | 34 |
| TOTAL | | | | 51 |

* TO BE USED AS DIRECTED BY THE ENGINEER FOR EXISTING PATCHES OVER PIPE CULVERTS

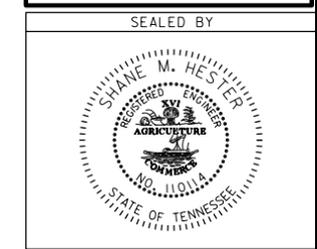
| GUARDRAIL | | | | | | |
|-----------------|------|----|-----------------------------------|------------------------------|-------------------------------------|---------------------------------|
| LOCATION (L.M.) | SIDE | | SINGLE GUARDRAIL 705-02.02 (EACH) | RADIUS RAIL 706-06.03 (L.F.) | GUARDRAIL TERMINAL 705-04.05 (EACH) | GUARDRAIL REMOVED 706-01 (L.F.) |
| | LT | RT | | | | |
| 23.81 | | X | 25 | 50 | 2 | 50 |
| 24.31 | | X | 25 | 50 | 2 | 50 |
| | | | 50 | 100 | 4 | 100 |

| HANDICAP RAMPS | | | | | |
|-----------------|-----|--------|-----------|---------------------------|-------------------------|
| LOCATION (L.M.) | NEW | REPAIR | STD. DWG. | RETROFIT 701-02.01 (S.F.) | REPAIR 716-10.30 (S.F.) |
| 23.23 | | 2 | RP-H-3 | 16 | |
| TOTAL | | | | 16 | 0 |

FOOTNOTES

1. TO BE USED AS DIRECTED BY THE ENGINEER.
2. TO BE USED AS DIRECTED BY THE ENGINEER FOR SPOT LEVELING. ALSO TO BE USED AT EXISTING PATCHES OVER PIPE CULVERTS AT L.M. 20.60 AND L.M. 23.25.
3. INCLUDES 182 TONS FOR PRIVATE DRIVES, BUSINESS ENTRANCES AND COUNTY ROADS.
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. 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).
6. TO BE USED FOR CENTERLINE STRIPING. CENTERLINE MARKING BASED ON 15% PASSING, 34% NO PASS ONE SIDE, AND 51% NO PASS BOTH SIDES.
7. TO BE USED FOR EDGELINE STRIPING.
8. 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.
9. FOR TEMPORARY PAVEMENT MARKING ON COLD PLANED SURFACE.
10. INCLUDES 51 TONS TO BE USED AS DIRECTED BY THE ENGINEER FOR SPOT LEVELING.

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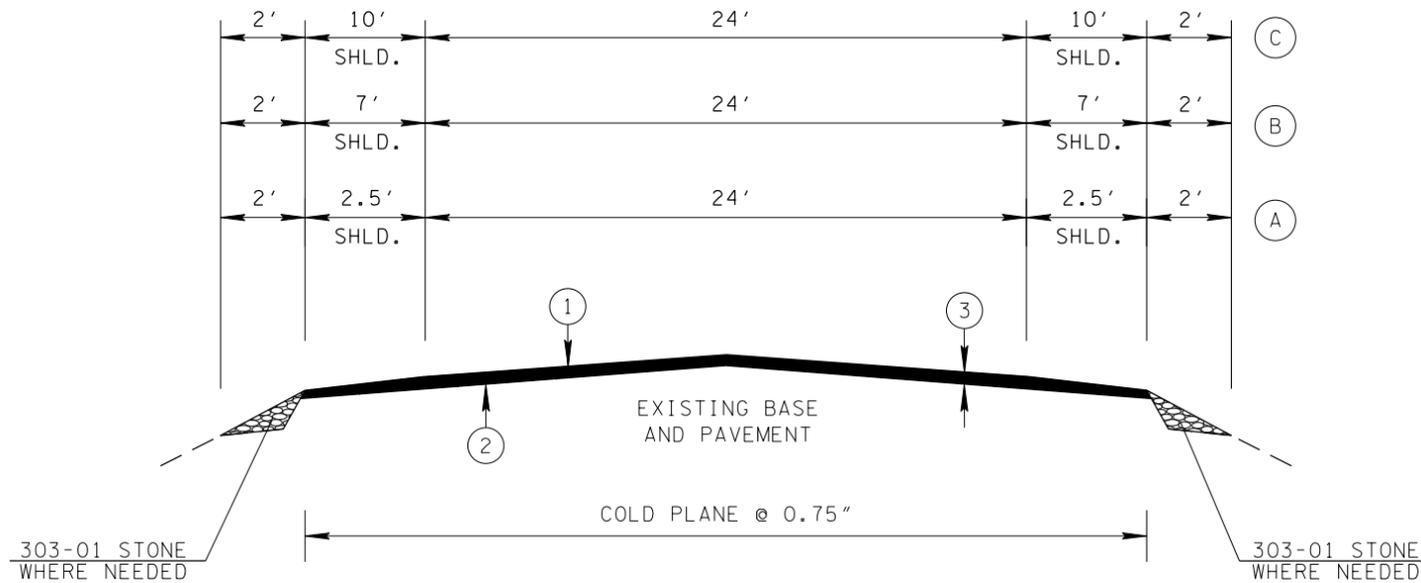


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

D2-JUN-2015 09:30 \\J03WF01\dot.state.tn.us\035Shared\SURVEY\DESIGN\Resurfacing Plans\2015\07-July Letting\Roberts\SRIPIN\03819.01\LM 19.76-LM25.00 JH\Turn in Documents\On File\Info Set DGN's\01-03819-01-Construction-0002.dgn

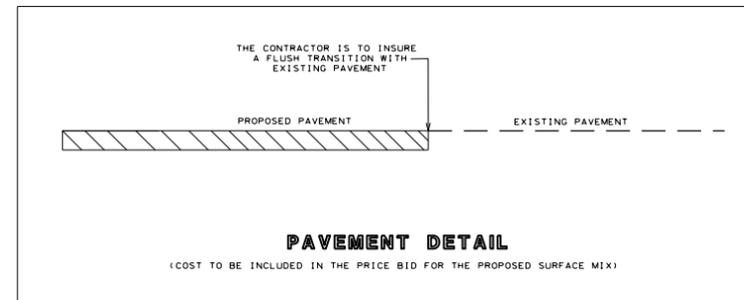
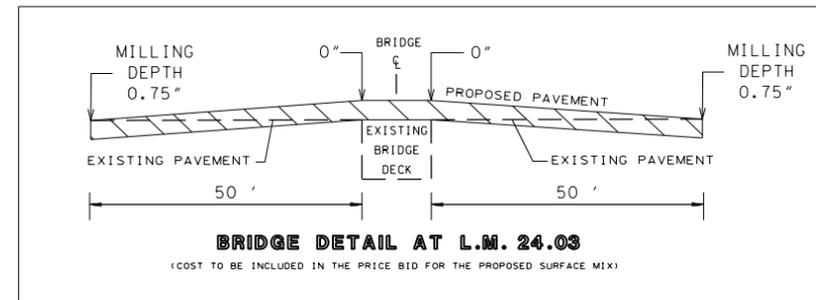
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|---------|------|-----------------|-----------|
| TYPE | YEAR | PROJECT NO. | SHEET NO. |
| RESURF. | 2015 | STP/HSIP-11(82) | 2A |
| | | | |
| | | | |



TYPICAL SECTION

- Ⓐ L.M. 19.76 TO L.M. 22.90
L.M. 23.00 TO L.M. 23.42
- Ⓑ L.M. 22.90 TO L.M. 23.00
- Ⓒ L.M. 23.42 TO L.M. 25.00

| PROPOSED PAVEMENT SCHEDULE | |
|----------------------------|---|
| ① | SURFACE @ (85 LB/S.Y.) 411-03.12 ACS MIX (PG64-22) THIN LIFT D ASPHALT |
| ② | TACK COAT @ 0.10 GAL/SY 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) |
| ③ | COLD PLANING @ 0.75" THICK 415-01.01 COLD PLANING OF BITUMINOUS PAVEMENT |



| BRIDGE NOTES | | | |
|--------------|---------------|--------------|--|
| LOCATION | BRIDGE NO. | LENGTH (FT.) | RECOMMENDATION |
| L.M. 24.03 | 74SR0110007 | 200 | PAVE WITH TOP COAT |
| L.M. 24.58 | 74-SR11-24.58 | 280 | COLD PLANE 0.75" OF THE EXISTING ASPHALT AND REPLACE WITH 0.75" NEW ASPHALT. |

SPECIAL NOTES:

THE CONTRACTOR SHOULD TAKE EXTREME CARE WHEN COLD PLANING THE EXISTING ASPHALT OFF BRIDGE DECK, SO AS NOT TO DAMAGE THE EXISTING DECK, SEALANT AND/OR EXPANSION JOINT MEMBERS (STEEL PLATES, BARS, AND/OR HEADERS). IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY REPAIRS ON ALL DAMAGED MEMBERS TO THE SATISFACTION OF THE PROJECT ENGINEER AT NO ADDITIONAL COST.

ALL SHOULDERS WILL BE DEGRASSSED/CLIPPED AND CLEANED OF ALL VEGETATION, GRASS, AND DEBRIS. SEE SPECIAL NOTES. ALL COSTS TO BE INCLUDED IN OTHER ITEMS OF WORK.

THERE ARE NO UTILITY ADJUSTMENTS ON THIS PROJECT

UNOFFICIAL SET NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|---------|------|------------------|-----------|
| RESURF. | 2015 | STP/HS1P-11 (82) | 2B |
| | | | |
| | | | |

GENERAL NOTES

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

- (2) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES WHERE AND AS DIRECTED BY THE ENGINEER.
- (3) 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

- (4) 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

- (5) 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.

FINAL PAVEMENT MARKING IF 6" SPRAY THERMOPLASTIC (60 mil) IS USED

- (6) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" SPRAY THERMOPLASTIC (60 mil) 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. 716-13.02, SPRAY THERMO PVMT MRKNG (60 mil) (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

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

RESURFACING

- (8) 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.
- (9) 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.
- (10) 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.
- (11) 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

- (12) 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.
- (13) 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.
- (14) 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.
- (15) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (16) 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.

- (17) 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.
- (18) 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

- (19) 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.
- (20) 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.

**UNOFFICIAL
SET
NOT FOR
BIDDING**

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**GENERAL
NOTES**

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|---------|------|-----------------|-----------|
| RESURF. | 2015 | STP/HSIP-11(82) | 2C |
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SPECIAL NOTES

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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:
 1. REPAIR OF SHOULDERS AND DITCHES THROUGHOUT THE LENGTH OF THE PROJECT.
 2. DEGRASS ALL SHOULDERS, MATERIAL SHALL BE PICKED UP AND REMOVED.
 3. REMOVE ALL GARBAGE AND CONSTRUCTION DEBRIS FROM PROJECT.
 4. CLEANING AND STRAIGHTENING ENDS OF EXISTING SIDEDRAINS AND CROSSEDRAINS 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

- (3) 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.
- (4) 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

PAVING

- (5) SURFACE TO BE CROWNED AS DIRECTED BY THE ENGINEER.
- (6) ALL STRUCTURES (DRAINAGE STRUCTURES, MANHOLES, UTILITY BOXES, ETC.) SHALL HAVE A FINISHED GRADE COMPATIBLE WITH THE FINISHED GRADE OF THE ROADWAY.

RESURFACING

- (7) AFTER ANY COLD PLANING OPERATION, TEMPORARY STRIPING WILL BE REQUIRED BEFORE RETURNING TRAFFIC ONTO EXCAVATED ROADWAY.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (8) 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.
- (9) 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

NPDES

- (10) 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.

- (11) 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.

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

- (12) 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.

WORK RESTRICTIONS

- (13) NO TIME RESTRICTIONS, BUT ALL CONSTRUCTION ACTIVITIES WILL NOT INTERFERE WITH SCHOOL OR WORK TRAFFIC EITHER AM OR PM OR AS DIRECTED BY THE ENGINEER.

RAILROAD CROSSING NOTES

- (14) 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 CSXT SO AS TO MAINTAIN CLEARANCE AND NOT INTERRUPT TRAFFIC IN ANY MANNER.
- (15) 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.
- (16) BRIDGE OVER CSXT RAILROAD AT L.M. 24.03 (348144U) (74SR0110009) TO BE PAVED WITH 0.75" THICK OF THIN LIFT "D MIX".
- (17) THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT A DETAILED AND COMPREHENSIVE PLAN, PROCEDURE AND SCHEDULE FOR REVIEW AND APPROVAL BY THE PUBLIC PROJECT ENGINEERS/MANAGERS FOR THE RAILROAD BEING AFFECTED BY THIS PROJECT FOR THE FOLLOWING TASK IN THE RAILROAD'S RIGHT OF WAY:
 - (A) COLD PLANING AND RESURFACING ON HIGHWAY BRIDGE DECK OVER THE RAILROAD
- (18) THE CONTRACTOR SHALL USE EXTREME CARE AND TAKE ANY MEASURE NECESSARY TO PREVENT DEBRIS FROM FALLING ON TO THE RAILROAD'S RIGHT OF WAY. THE COST OF REMOVING AND DISPOSING OF DEBRIS AND THE COMPLETE AND FULL PROTECTION OF THE CONTRACTOR'S WORK AREA FOR COLD PLANING AND RESURFACING SHALL BE INCLUDED IN UNIT ITEM BID ON.
- (19) FOR ANY COLD PLANING OR RESURFACING OVER OR UNDER THE RAILROAD, IT IS ANTICIPATED THAT RAILROAD FLAGGING SERVICES MAY BE REQUIRED. FOR ANY OTHER ASPECT OF THE CONTRACTOR'S WORK ON THE BRIDGE DECK OVER THE RAILROAD'S RIGHT OF WAY, FLAGGING WILL BE AT THE RAILROAD'S DISCRETION.
- (20) SEE AGREEMENT/STATE CONTRACT SPECIAL PROVISION 105C(R) REGARDING INSURANCE AND RAILROAD FLAGGING SERVICES REQUIREMENTS, FOR WORK OVER, UNDER AND/OR ADJACENT TO THE RAILROAD'S RIGHT OF WAY.

FOR CSX RAILROAD:

**UNOFFICIAL
SET
NOT FOR
BIDDING**

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**SPECIAL
NOTES**