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ARCADIS US, INC.
1210 PREMIER DRIVE SUITE 200

CHATTANOOGA, TN 37421
ANDREW PARR, P.E. NO. 121197

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE OF TENN. CODE ANN. §62-2-306.

SHEET NAME

SHEET NO.

SIGNATURE SHEET ROADWAY-SIGN2

ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND

STANDARD TRAFFIC DESIGN DRAWINGS 1A

ESTIMATED ROADWAY QUANTITIES2

TYPICAL SECTIONS AND PAVEMENT SCHEDULE 2B

YEAR	PROJECT NO.	SHEET NO.
2025	82S358-S8-002	ROADWAY-SIGN2

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	ROADWAY-SIGN1
SIGNATURE SHEET	ROADWAY-SIGN2
TITLE SHEET	1
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND	
STANDARD TRAFFIC DESIGN DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTION AND PAVEMENT SCHEDULE	2B
GENERAL NOTES	2C
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES	2E
EROSION PREVENTION AND SEDIMENT CONTROL NOTES	2E1
TABULATED QUANTITIES.....	2F
UTILITY NOTES AND UTILITY OWNERS.....	3
PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL	T1
NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN THE NUMBERING OF SHEETS.	
NO PROJECT COMMITMENTS IN THIS PLAN SET.	
NO UTILITY SHEETS ARE INCLUDED IN THIS SET OF PLANS.	

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
ROADWAY DESIGN STANDARDS		
RD11-SE-1		TRANSITION AND CROSS SLOPE DETAILS
RD11-SE-2		SUPERELEVATION TRANSITION DETAILS FOR UNDIVIDED ROADWAYS
RD11-SE-2A		SUPERELEVATION TRANSITION SECTIONS FOR UNDIVIDED ROADWAYS
RD11-LR-1		MINIMUM RUNOFF LENGTHS (L _r) FOR URBAN HIGHWAYS
RD11-LR-2		MINIMUM RUNOFF LENGTHS (L _r) FOR RURAL HIGHWAYS
SAFETY DESIGN AND GUARDRAILS		
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-PL-1	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED
S-PL-1A	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED (FOR RIGID OBJECTS)
S-PL-1B	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED ON CURVED ROADWAYS
S-PL-6	07-30-24	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-GR31-1	03-13-25	GUARDRAIL DETAILS
S-GRS-4	05-04-22	SPECIAL CASE GUARDRAIL HEIGHT TRANSITION DETAIL
S-GRT-2P	10-16-20	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL
S-GRT-2R	06-28-19	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL (RETROFIT)
S-GRT-3	06-28-19	TYPE 21 GUARDRAIL END TERMINAL

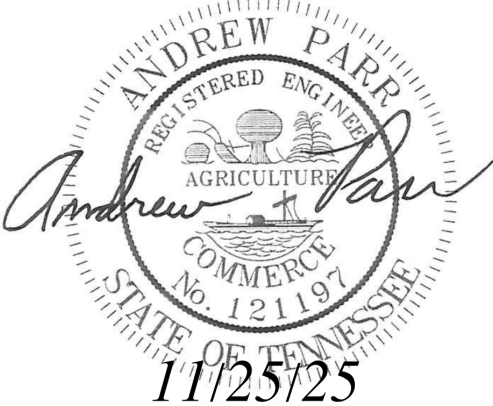
STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
DESIGN - TRAFFIC CONTROL		
T-M-1	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-3	01-24-25	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	01-24-25	STANDARD INTERSECTION PAVEMENT MARKINGS
T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-FAB	03-26-25	FLASHING YELLOW ARROW BOARD

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	82S358-S8-002	1A

REV. 11/25/25 : ADDED SHEET ROADWAY-SIGN2 TO ROADWAY INDEX.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX,
STANDARD ROADWAY
DRAWINGS, AND
STANDARD TRAFFIC
DESIGN DRAWINGS

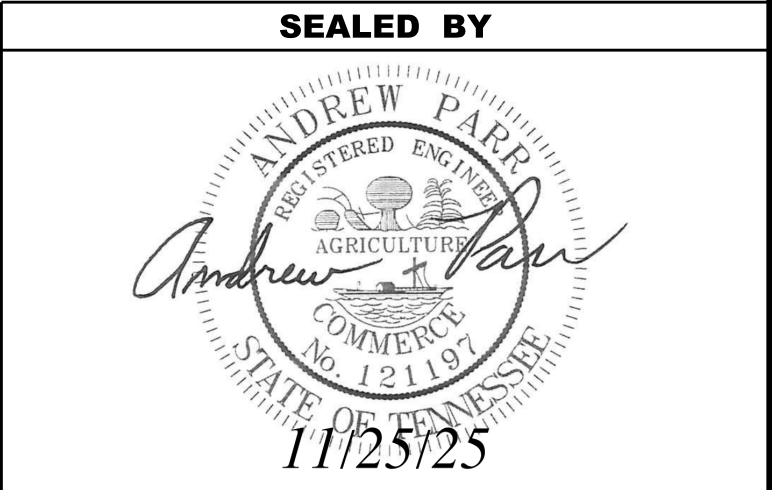
ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 82S358-S8-002
(1)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	13
(2)(3)	705-02.10 GUARDRAIL TRANSITION 27 In To 31 In	EACH	10
(2)	705-04.10 EARTH PAD FOR GUARD RAIL END TREATMENT	EACH	10
(2)(4)	705-06.30 GR TERMINAL (ENERGY ABSORBING) MASH TL2	EACH	10
(2)(5)	706-01 GUARDRAIL REMOVED	L.F.	220
	712-01 TRAFFIC CONTROL	LS	1
	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	40
	712-05.01 WARNING LIGHTS (TYPE A)	EACH	20
(6)	712-06 SIGNS (CONSTRUCTION)	S.F.	637
	712-08.03 ARROW BOARD (TYPE C)	EACH	2
(7)	716-01.21 SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	1335
(8)	716-01.30 REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	735
(9)(10)	716-02.04 PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	115
(9)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	206
(9)	716-02.06 PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	7
(9)	716-04.01 PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	1
(9)	716-04.05 PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	10
(11)	716-05.20 PAINTED PAVEMENT MARKING (6" LINE)	L.M.	10
	716-13.02 SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	L.M.	25
(12)	716-13.05 SPRAY THERMO PVMT MRKNG (60 mil) (6IN DOTTED LINE)	L.F.	3170
	717-01 MOBILIZATION	LS	1
	ALTERNATE AA1		
(13)	307-01.15 ASC MIX (PG64-22) (BPMLC-HM) GRADING CS	TON	682
	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	57
(14)	411-03.08 ACS MIX(PG70-22) THIN LIFT ASPHALT	TON	3411
(15)	415-01.02 COLD PLANING BITUMINOUS PAVEMENT	SY	1543
	ALTERNATE AA2		
(16)	403-01.01 BITUMINOUS MATERIAL FOR TACK COAT (MICRO-SURFACING)	TON	12
(17)	414-03.01 EMULSIFIED ASPHALT FOR MICRO-SURFACING	TON	162
(18)	414-03.02 AGGREGATE FOR MICRO SURFACING	TON	1344
(19)	716-08.20 REMOVAL OF PAVEMENT MARKING (LINE)	L.M.	25

FOOTNOTES	
(1)	INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK. SEE SHEET NO. 2C, FINAL PAVEMENT MARKING NOTE (6) FOR MORE INFORMATION.
(2)	SEE SHEET NUMBER 2F FOR PROPOSED GUARDRAIL TABULATION BLOCK.
(3)	COST INCLUDES THE LENGTH OF GUARDRAIL NECESSARY TO TRANSITION FROM EXISTING HEIGHT OF GUARDRAIL TO 31 INCHES.
(4)	INCLUDES ALL MATERIAL NECESSARY FOR THE CONSTRUCTION OF THE PAD AND ANY NECESSARY EPSC MEASURES.
(5)	GUARDRAIL SHALL BE REMOVED SUCH THAT NEW COMBINED GUARDRAIL AND END TERMINAL LENGTH IS EQUAL TO OR GREATER THAN EXISTING.
(6)	SEE SHEET NUMBER 2F FOR TRAFFIC CONTROL SIGN TABULATION BLOCK.
(7)	USE 20' SPACING FOR THE FOLLOWING LOCATIONS: L.M. 0.000 - L.M. 1.274, L.M. 1.444 - L.M. 1.990, L.M. 2.981 - L.M. 3.528, L.M. 3.704 - L.M. 4.359, AND L.M. 5.040 - 5.660.
(8)	ANY DAMAGE THAT OCCURS DURING REMOVAL SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE TDOT MANAGER.
(9)	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.
(10)	8" BARRIER LINE TO BE USED.
(11)	TO BE USED FOR TEMPORARY STRIPING DURING PLACEMENT OF SPOT LEVELING ONLY. NO PAYMENT WILL BE MADE FOR TEMPORARY STRIPING DURING PLACEMENT OF THE FINAL SURFACE (ON EITHER EXISTING SURFACE OR FINAL) COURSE DUE TO THE CONTRACTOR'S METHODS OF CONSTRUCTION.
(12)	SEE SHEET 2F FOR TABULATION BREAKDOWN OF LOCATIONS.
(13)	TO BE USED FOR SPOT LEVELING. TO BE USED ONLY TO CORRECT DEFICIENCIES ON EXISTING PAVEMENT AND IS NOT TO BE COMBINED WITH OTHER COURSES.
(14)	INCLUDES 150 TONS FOR COUNTY ROADS AND 99 TONS FOR TURN LANES. BUSINESS ENTRANCES AND PRIVATE DRIVES ARE TO BE TIED-IN AS NEEDED OR AS DIRECTED BY THE TDOT MANAGER.
(15)	TO BE USED AT THE BEGINNING AND END OF THE PROJECT LIMITS AND FOR THE BRIDGE OVER SOUTH FORK HOLSTON RIVER/RIVERSIDE CIRCLE
(16)	NO PAYMENT WILL BE MADE DIRECTLY FOR THE WATER REQUIRED TO DILUTE THE TACK COAT.
(17)	INCLUDES 1 TON FOR TURN LANES.
(18)	INCLUDES 6 TONS FOR TURN LANES.
(19)	INCLUDES THE COST ASSOCIATED WITH THE REMOVAL OF EXISTING SPECIALTY MARKINGS WHERE MICRO-SURFACE IS TO BE PLACED.

THERE ARE NO UTILITY ADJUSTMENTS WITHIN PROJECT LIMITS

TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	82S358-S8-002	2

REV. 11/25/25 : CHANGED ITEM NUMBER 411-03.13 IN ALTERNATE AA1 TO 411-03.08.

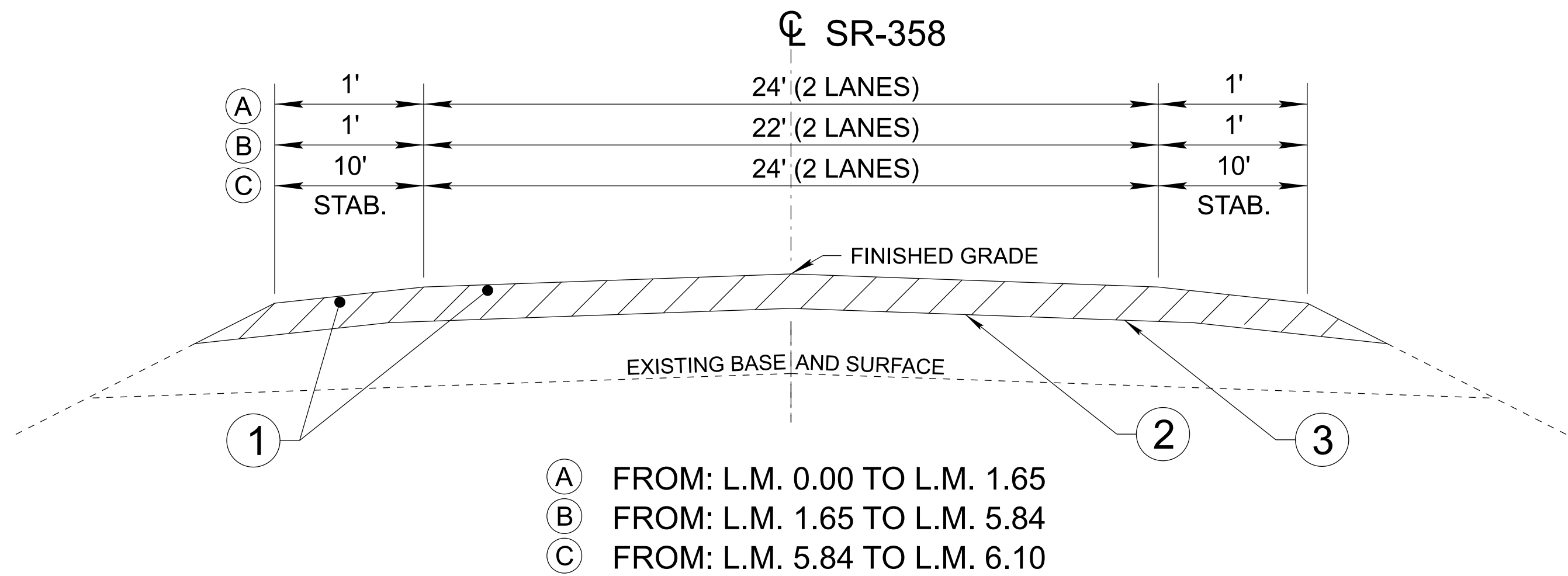


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

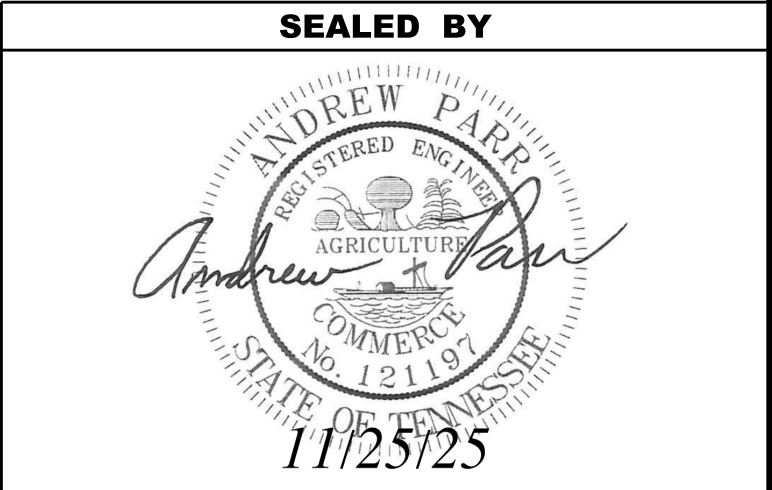
TYPE	YEAR	PROJECT NO.	SHEET NO.
RESURF.	2025	82S358-S8-002	2B

REV. 11/25/25 : CHANGED ITEM NUMBER
411-03.13 IN ALTERNATE AA1 PROPOSED
PAVEMENT SCHEDULE TO 411-03.08.



PROPOSED PAVEMENT SCHEDULE	
ALTERNATE AA1	
①	ASPHALTIC CONCRETE SURFACE (HM) @ 0.75"± THICK (APPROX. 65 LBS./S.Y.) ITEM 411-03.08 ACS MIX (PG70-22) THIN LIFT ASPHALT
②	TACK COAT ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD
③	BITUMINOUS COURSE (SPOT LEVELING) ITEM 307-01.15 ASPHALT CONCRETE MIX (PG64-22) (BPM LC-HM) GRADING "CS"
COLD PLANING @ 0.75"± THICK (APPROX. 78.8 LBS./S.Y.) ITEM 415-01.02 COLD PLANING BITUMINOUS PAVEMENT	

PROPOSED PAVEMENT SCHEDULE	
ALTERNATE AA2	
①	MICRO-SURFACING @ 22 LBS/SY ITEM 414-03.01 EMULSIFIED ASPHALT FOR MICRO-SURFACING ITEM 414-03.02 AGGREGATE FOR MICRO-SURFACING
②	TACK COAT (TC) FOR MICRO-SURFACING ITEM 403-01.01 BITUMINOUS MATERIAL FOR TACK COAT (TC) SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD



STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
TYPICAL SECTION AND PAVEMENT SCHEDULE