

09/08/99

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

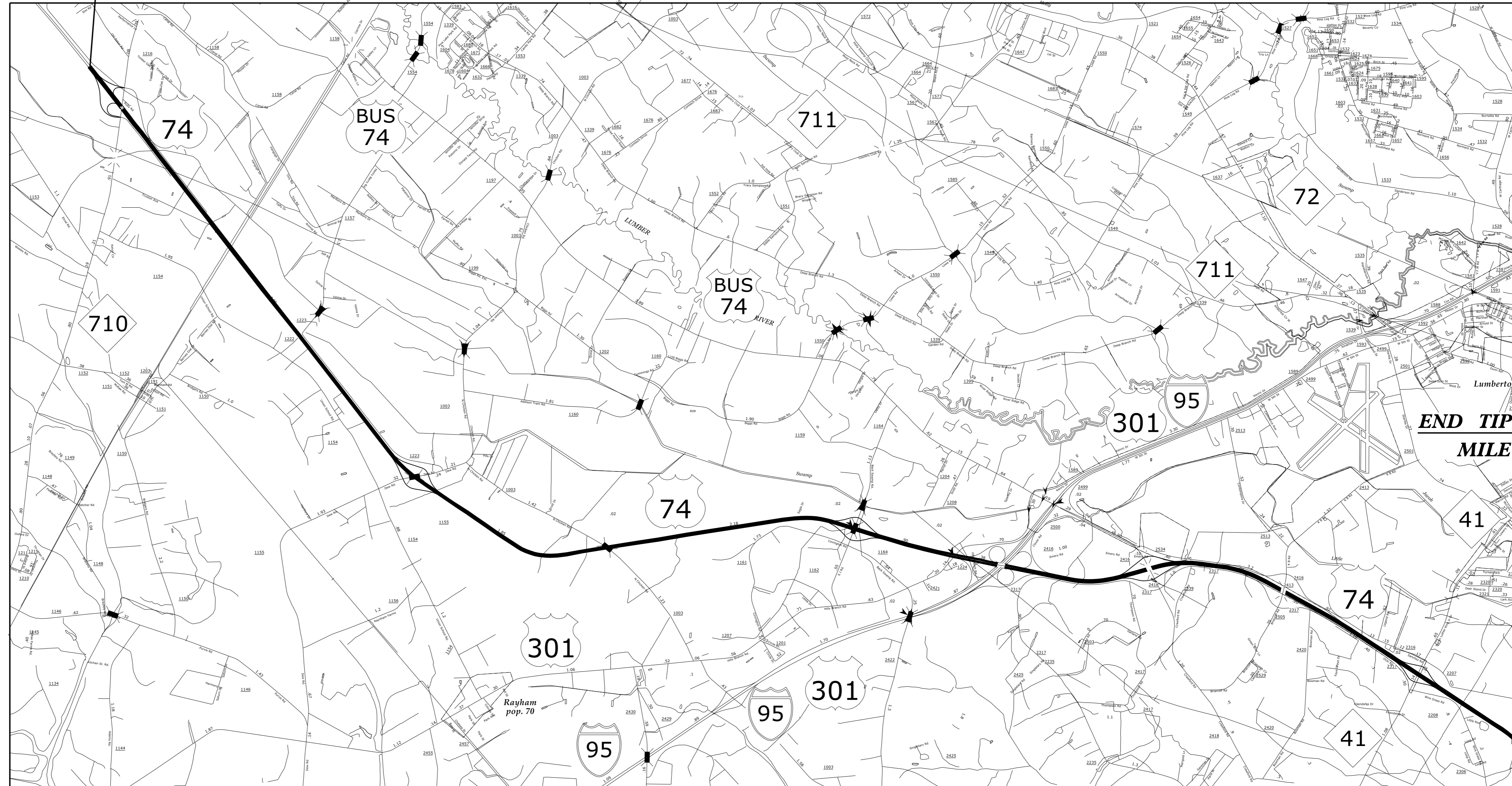
ROBESON COUNTY

LOCATION: I-74 FROM NC 710 (MILE MARKER 199.9)
TO EAST OF NC 41 (MILE MARKER 215)

TYPE OF WORK: PAVEMENT REHABILITATION

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5938B	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45881.1.1	NHPIM-0074(206)	P.E.	
45881.3.1	NHPIM-0074(206)	CONSTR	

BEGIN TIP PROJECT I-5938B
MILE MARKER 199.9



END TIP PROJECT I-5938B
MILE MARKER 215

TIP PROJECT: I-5938B

CONTRACT:

DESIGN DATA
ADT 2016 = 11,000
ADT 2036 = 20,000

PROJECT LENGTH

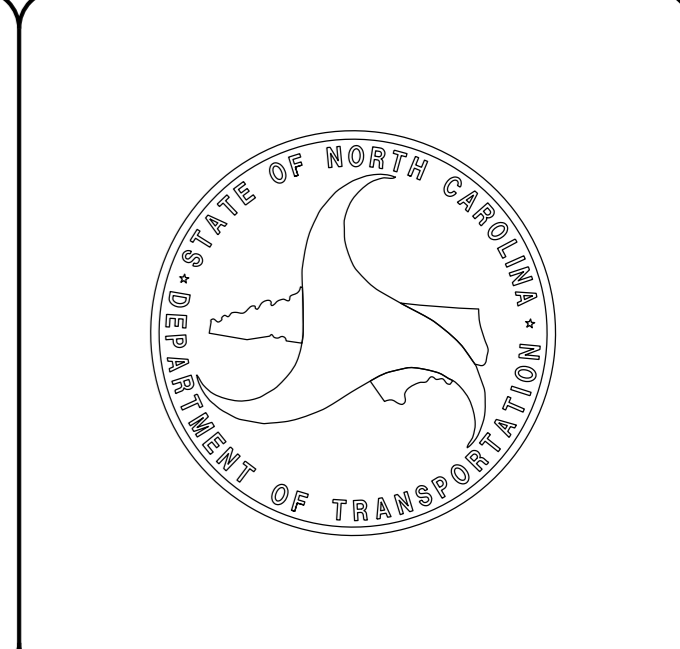
TOTAL PROJECT LENGTH = 15.1 mi

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
NA

LETTING DATE:
OCTOBER 16, 2018



07-AUG-2018 15:07
H:\DDC\Projects\I-5938B I-74 from NC 710 to NC 41-Pv+ Rehab\Submit\I-5938B_Rdy_Tsh.dgn
\$\$\$\$\$USERNAME\$\$\$\$

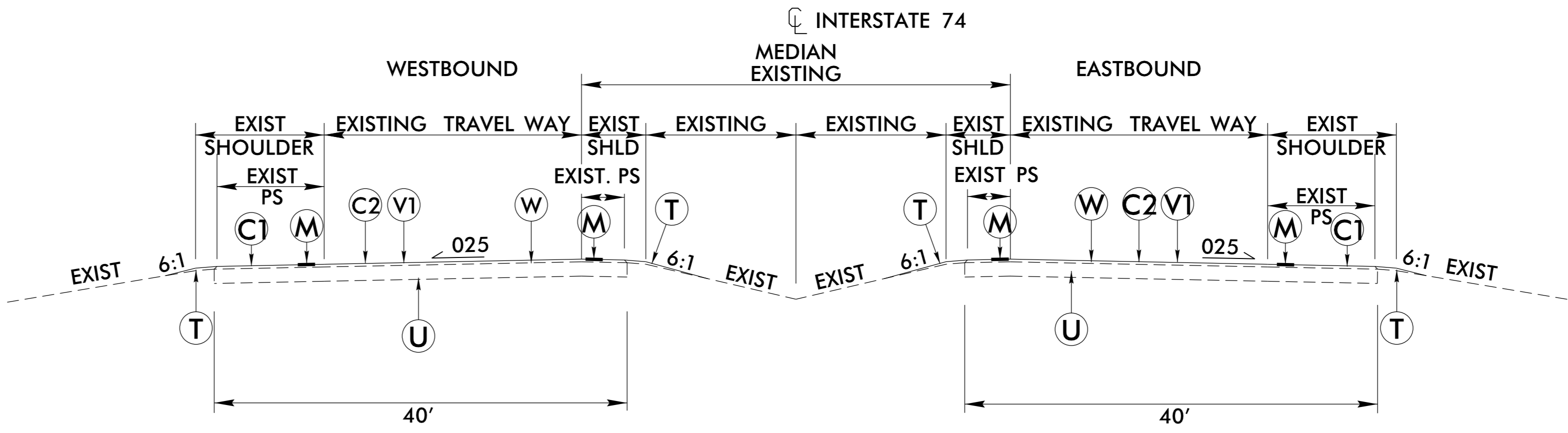
FINAL PAVEMENT SCHEDULE	
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH
D1	PROP. VAR DEPTH ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 2#2" OR GREATER THAN 4" IN DEPTH.
M	PROPOSED MILLED RUMBLE STRIPS
R	EXISTING CURB AND GUTTER
T	AGGREGATE SHOULDER BORROW (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	1/2" MILLED ASPHALT PAVEMENT
V2	0"-2" MILLED ASPHALT PAVEMENT
V3	2" MILLED ASPHALT PAVEMENT
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE STANDARD WEDGING DETAIL) CURVE FROM MILE MARKER 213.7 TO 214.7

NOTES TO CONTRACTOR
 FOR SURFACE MIXES OVER 1" IN THICKNESS, MILL THE EXISTING PAVEMENT IN ACCORDANCE WITH THE FOLLOWING SKETCH AS DIRECTED BY THE ENGINEER.
 LOCATIONS SHALL INCLUDE TIES INTO EXISTING CONCRETE PAVEMENT, AT BRIDGE APPROACHES WHERE THE BRIDGE WILL NOT BE RESURFACED, AND AT THE BEGINNING AND ENDING POINT OF EACH RESURFACING MAP.
 PERFORM THE WORK IN ACCORDANCE WITH SECTION 607 OF THE JANUARY 2018 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. RESURFACING WILL BE ACCOMPLISHED AT THE SAME TIME AS THE MILLING OPERATION.

INCIDENTAL MILLING AT PAVEMENT TIE-INS DETAIL

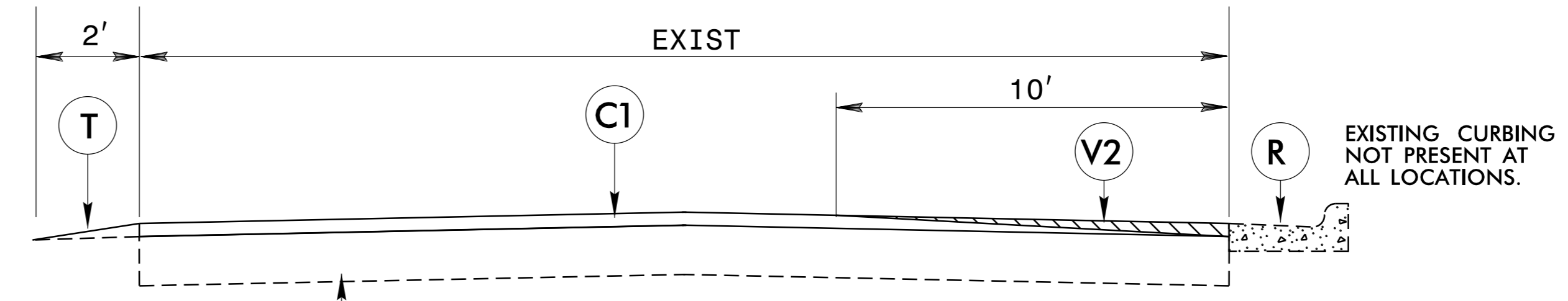
INCLUDES INCIDENTAL MILLING AT THE ENDS OF SECTIONS FOR SMOOTH TIE-INS, CURB RADI AND STREET INTERSECTIONS, AS NEEDED, OR AS DIRECTED BY THE ENGINEER

MILLING AT CURB AND GUTTER INTERSECTIONS

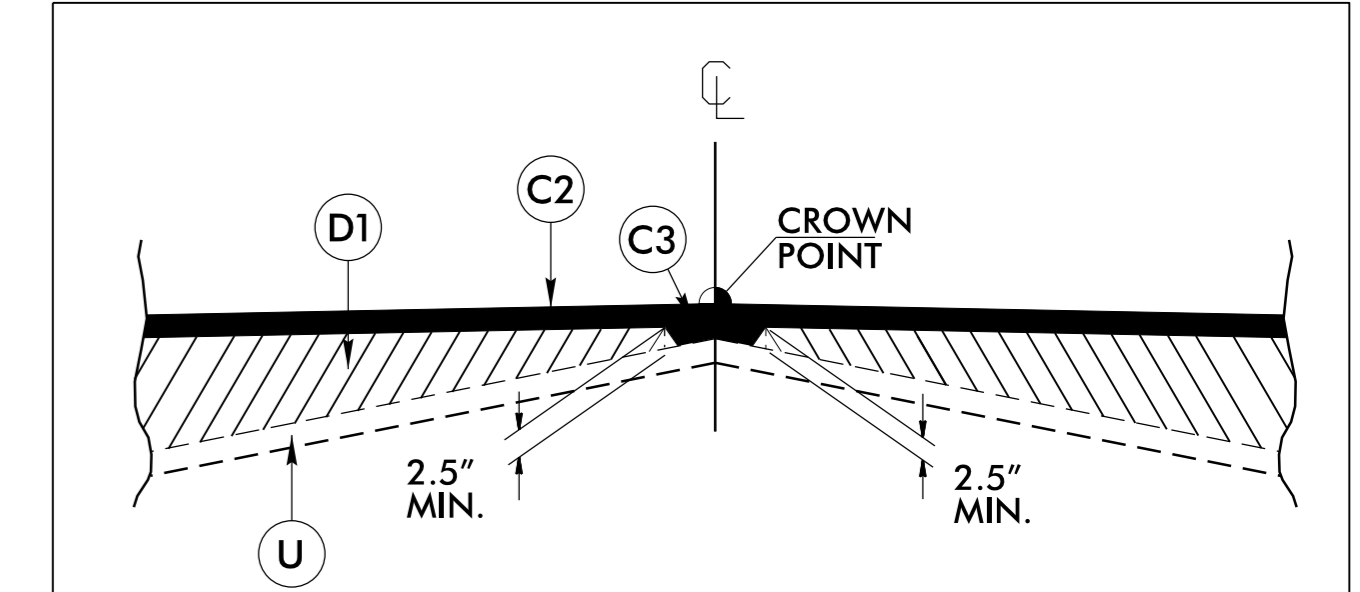


TYPICAL SECTION NO. 1
 -L- FROM NC 710 TO NC 41

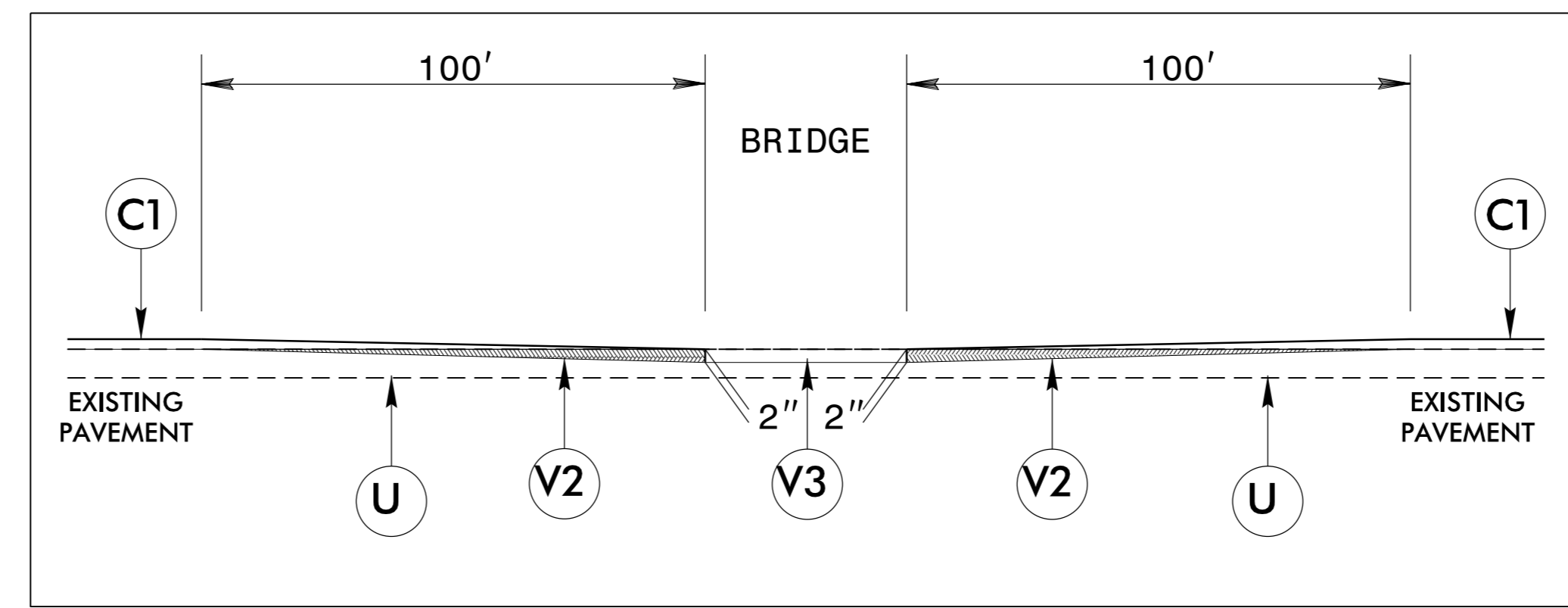
NOTES:
 * WEDGE CURVE FROM MILE MARKERS 213.7 TO 214.7 AS DIRECTED BY ENGINEER TO OBTAIN REQUIRED SUPERELEVATION
 * SUPERELEVATIONS WILL BE PROVIDED BY ENGINEER AND SHALL BE STAKED EVERY 50 FEET THROUGHOUT EACH CURVE FOR EACH LIFT. ITEM SHALL BE PAID UNDER CONSTRUCTION SURVEYING.
 * MILLED SECTIONS SHALL BE RESURFACED IN THE SAME NIGHT.



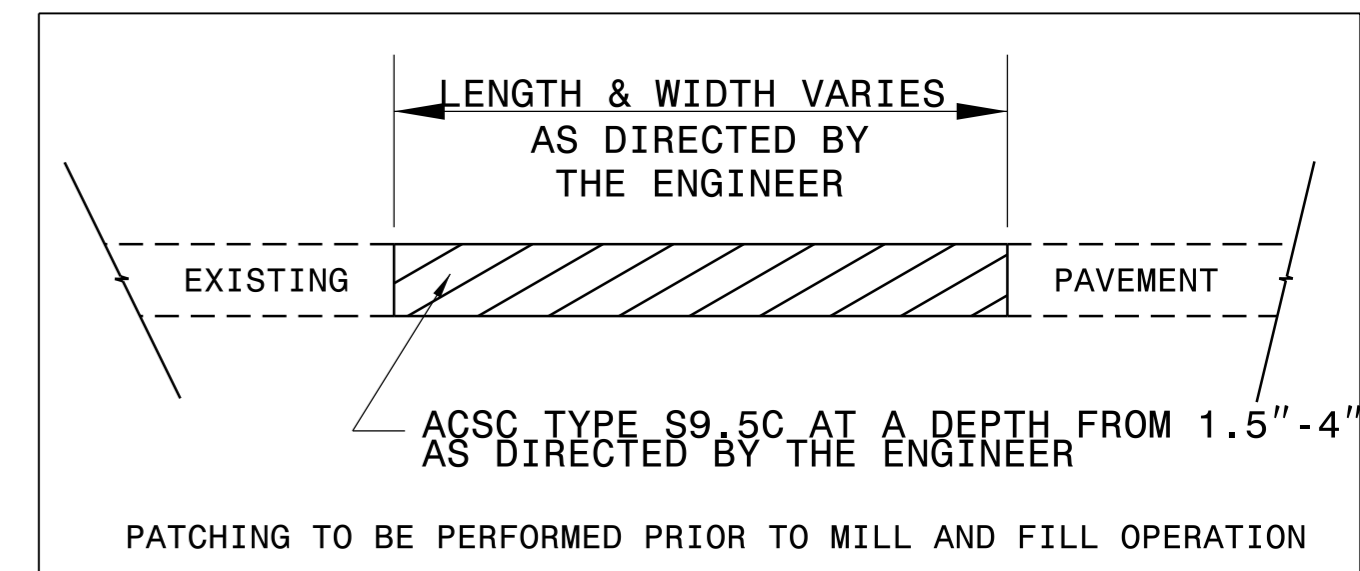
TYPICAL SECTION NO. 2
 RAMPS AND LOOPS
 *INCLUDES ALL RAMPS AND LOOPS UP TO TIE INS AT -Y- LINES



WEDGING DETAIL



MILLING UNDER BRIDGES



PATCHING EXISTING PAVEMENT

6/2/99 07_AUG_2018 15:08 1-5938B 1-74 From NC 710 to NC 41-PV't Rehab\Submit\1-5938B_Rdy_4jpp.dgn

PROJECT NO.	SHEET NO.	TOTAL NO.
45881.3.1	3	
I-59388		

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0000400000-N	0106000000-E	1245000000-E	1260000000-E	1297000000-E	1308000000-E	1330000000-E	1503000000-E	1523000000-E	1524200000-E	1575000000-E	1577000000-E	1704000000-E	1840000000-E	4600000000-N	4423000000-N	4424000000-N	4434000000-N	6084000000-E		
												CONSTRUCTION SURVEYING	BORROW	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	2" MILLING	1/2" MILLING	0" TO 2" MILLING	INCIDENTAL MILLING	INTERMEDIATE COURSE, I19.0C	SURFACE COURSE, S9.SC	SURFACE COURSE, S9.SD	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	LANE CLOSURE	RAMP/LOOP CLOSURE	WORK ZONE DIGITAL SPEED LIMIT SIGNS	WORK ZONE PRESENCE LIGHTING	SEQUENTIAL FLASHING WARNING LIGHTS	SEED & MULCHING
											LS	CY	SMI	TON	SY	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	TONS	LF	EA	EA	EA	EA	EA	AC	
45881.3.1	Robeson	1	I-74	FROM MM 199.9 (NC 710) TO MM 215	1&2	2	MD	NO	NO	30.2	40	1.00	100	83.05	13,711	34,200	708,693	20,000	18,900	1,991	44,267	65,847	2,752	3,753	100	350,800	100.00	44.00	5.00	15.00	10.00	1.00
TOTAL FOR MAP NO. 1											30.2	1.00	100	83.05	13,711	34,200	708,693	20,000	18,900	1,991	44,267	65,847	2,752	3,753	100	350,800	100.00	44.00	5.00	15.00	10.00	1.00
TOTAL FOR PROJ NO. 45881.3.1											30.2	1.00	100	83.05	13,711	34,200	708,693	20,000	18,900	1,991	44,267	65,847	2,752	3,753	100	350,800	100.00	44.00	5.00	15.00	10.00	1.00
GRAND TOTAL											30.2	1.00	100	83.05	13,711	34,200	708,693	20,000	18,900	1,991	44,267	65,847	2,752	3,753	100	350,800	100.00	44.00	5.00	15.00	10.00	1.00

PROJECT NO.	SHEET NO.	TOTAL NO.
45881.3.1	4	
I-5938B		

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4400000000-E	4510000000-N	4688000000-E	4690000000-E	4700000000-E	4710000000-E	4725000000-E						4810000000-E			4820000000-E	4845000000-N						4905000000-N			
										STATIONARY WORK ZONE SIGN	LAW ENFORCEMENT	6" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	6" X 120 M WHITE THERMO	12" X 90 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO RAMP ARROW 90 M	THERMO MERGE ARROW 90 M	THERMO LT STR RT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	PAINT LT ARROW	PAINT RT ARROW	PAINT STR ARROW	PAINT STR & RT ARROW	PAINT LT STR RT ARROW	PAINT RAMP ARROW	PAINT MERGE ARROW	SNOW PLOWABLE MARKERS	
									MI	FT	SF	HR	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA				
45881.3.1	Robeson	1	I-74	FROM MM 199.9 (NC 710) TO MM 215	1&2	2	MD	30.2	40	630	1,052.00	217,512	231,212	45,288	24,411	575	19	6	2	10	6	48	2	385,000	160,000	25,600	19	6	2	10	2	6	18	2,946	
TOTAL FOR MAP NO. 1									30.2		630	1,052	217,512	231,212	45,288	24,411	575	19	6	2	10	6	48	2	385,000	160,000	25,600	19	6	2	10	2	6	18	2,946
TOTAL FOR PROJ NO. 45881.3.1									30.2		630	1,052	217,512	231,212	45,288	24,411	575	19	6	2	10	6	48	2	385,000	160,000	25,600	19	6	2	10	2	6	18	2,946
GRAND TOTAL									30.2		630	1,052	217,512	231,212	45,288	24,411	575	19	6	2	10	6	48	2	385,000	160,000	25,600	19	6	2	10	2	6	18	2,946
											448,724							93						545,000				63							