



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

March 27, 2012

Addendum No. 1

Contract No.: DA00126

TIP No.: N/A

WBS No.: 1CR.10581.17, ETC.

Chowan & Martin Counties

Milling, Resurfacing, Open Grade Friction Course and Pavement Markings

To Whom It May Concern:

Reference is made to the proposal previously furnished for this project.

The following revision has been made to the proposal:

Page No. 40, "Bid Form," has been revised to include the increased quantities for the additional map, "Old Hertford Rd. – Map #11." Please void the existing Page No. 40 in the proposal and staple revised Page No. 40 thereto.

Plans Sheets have been renumbered to include the addition of "Typical Section No. 7."

Summary of Quantities has been revised to include the additional information for Map #11

Sincerely,

A handwritten signature in black ink, appearing to read "W. B. Hobbs".

W. B. Hobbs, PE
Division Project Manager

WBH

Attachment

cc: S. D. Baker, PE
D. S. Lee, PE

North Carolina Department of Transportation BID FORM

WBS Number: 1CR.10581.17, ETC.

County: Chowan & Martin

Description: Milling, Resurfacing, Open Grade Friction Course And Pavement Markings,
In Chowan & Martin Counties

LINE	ITEM #	SECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT BID
1	0000100000-N	800	MOBILIZATION	LUMP SUM	LS	LUMP SUM	
2	1297000000-E	607	MILLING ASPHALT PAVEMENT, (1- 1/2") DEPTH	42,447	SY		
3	1297000000-E	607	MILLING ASPHALT PAVEMENT, (2") DEPTH	40,526	SY		
4	1297000000-E	607	MILLING ASPHALT PAVEMENT, (3/4") DEPTH	24,400	SY		
5	1519000000-E	610	ASPHALT CONC. SURFACE COURSE, TYPE S 9.5 B	6,569	TON		
6	1525000000-E	610	ASPHALT CONC. SURFACE COURSE, TYPE SF 9.5 A	2,080	TON		
7	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	535	TON		
8	1577000000-E	620	POLMER MODIFIED ASPHALT BINDER FOR PLANT MIX	67	TON		
9	1663000000-E	650	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-2 MODIFIED	1,101	TON		
10	4399000000-N	1105	TEMPORARY TRAFFIC CONTROL	LUMP SUM	LS	LUMP SUM	
11	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MLS)	34,840	LF		
12	4686000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MLS)	6,000	LF		
13	4710000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MLS)	200	LF		
14	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MLS)	80	EA		
15	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	58,547	LF		
16	4847000000-E	1205	POLYUREA PAVEMENT MARKING LINES (4", HIGHLY REFLECTIVE ELEMENTS)	36,456	LF		

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CONTRACT NO.: DA00126 WBS ELEMENT: ICR.10581.17, ETC.



STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

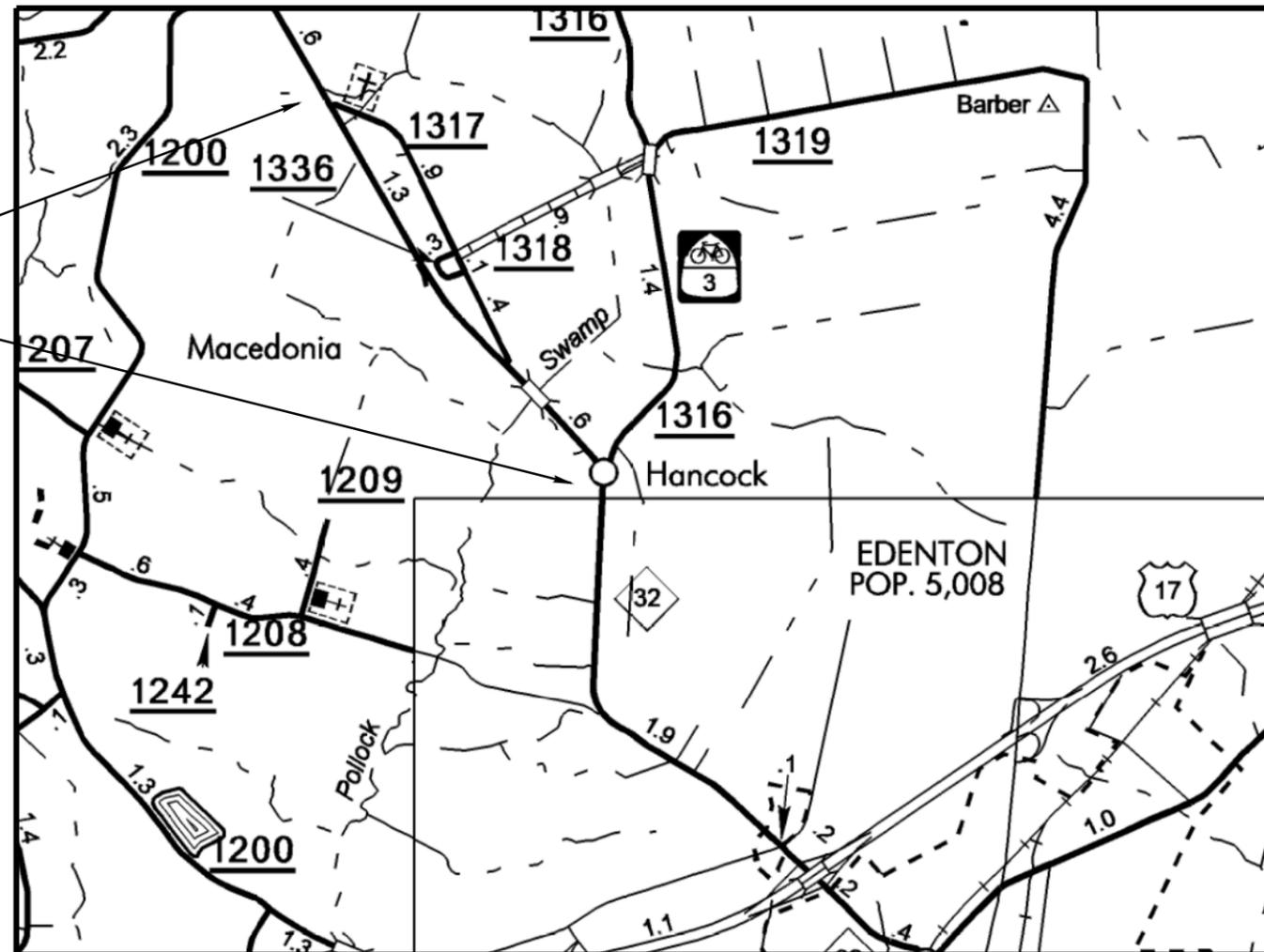
CHOWAN COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	1CR.10581.17, ETC.	1	12
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

REVISED 3/26/12

LOCATION: NC 32 .10 MILE SOUTH OF SR1316 TO 100' PASSED SR1317 NORTH END
TYPE OF WORK: MILLIG, OPEN GRADE FRICTION COURSE & LONG LIFE PAVEMENT MARKINGS

NC 32 MAP # 12



NOT TO SCALE

PROJECT LENGTH

WBS# 43441.31. = 2.1 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS

2012 STANDARD SPECIFICATIONS

LETTING DATE:
 APRIL 18, 2012

W.B. HOBBS, P.E.
 DIVISION PROJECT MANAGER

C.E. SLACHTA
 DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA



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CONTRACT NO.: DA00126 WBS ELEMENT: 1CR.10581.17, ETC.



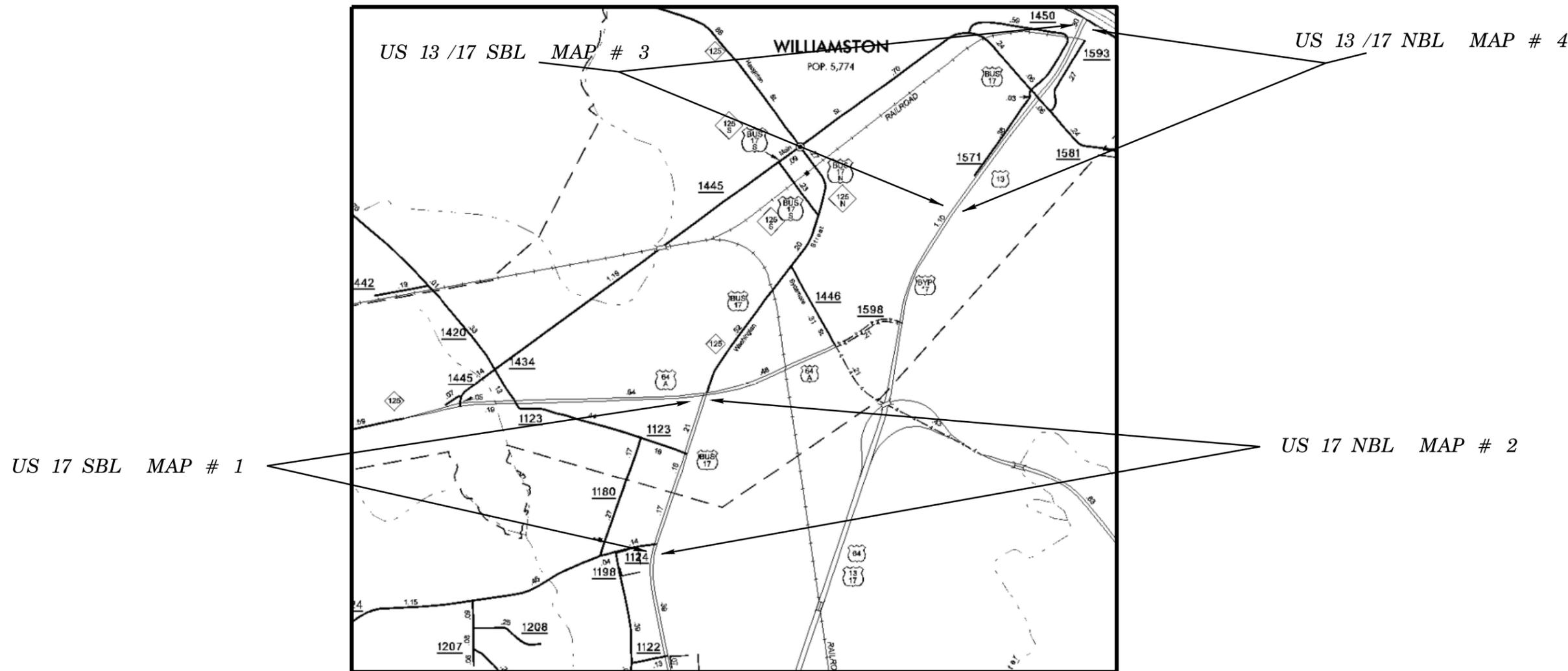
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MARTIN COUNTY

LOCATION: US 17 FROM US 64 ALT. SOUTH TO .36 MILES NEW PAVEMENT
 US 13 /17 FORM ROANOKE RIVER BRIDGE SOUTH TO BEGIN NEW PAVEMENT
 TYPE OF WORK: MILLING, RESURFACING & LONG LIFE PAVEMENT MARKINGS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	1CR.10581.17, ETC.	2	12
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

REVISED 3/26/12



NOT TO SCALE

PROJECT LENGTH

WBS# 1CR.10581.17 = .70 MILES
 WBS# 1CR.10581.18 = .81 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS

2012 STANDARD SPECIFICATIONS

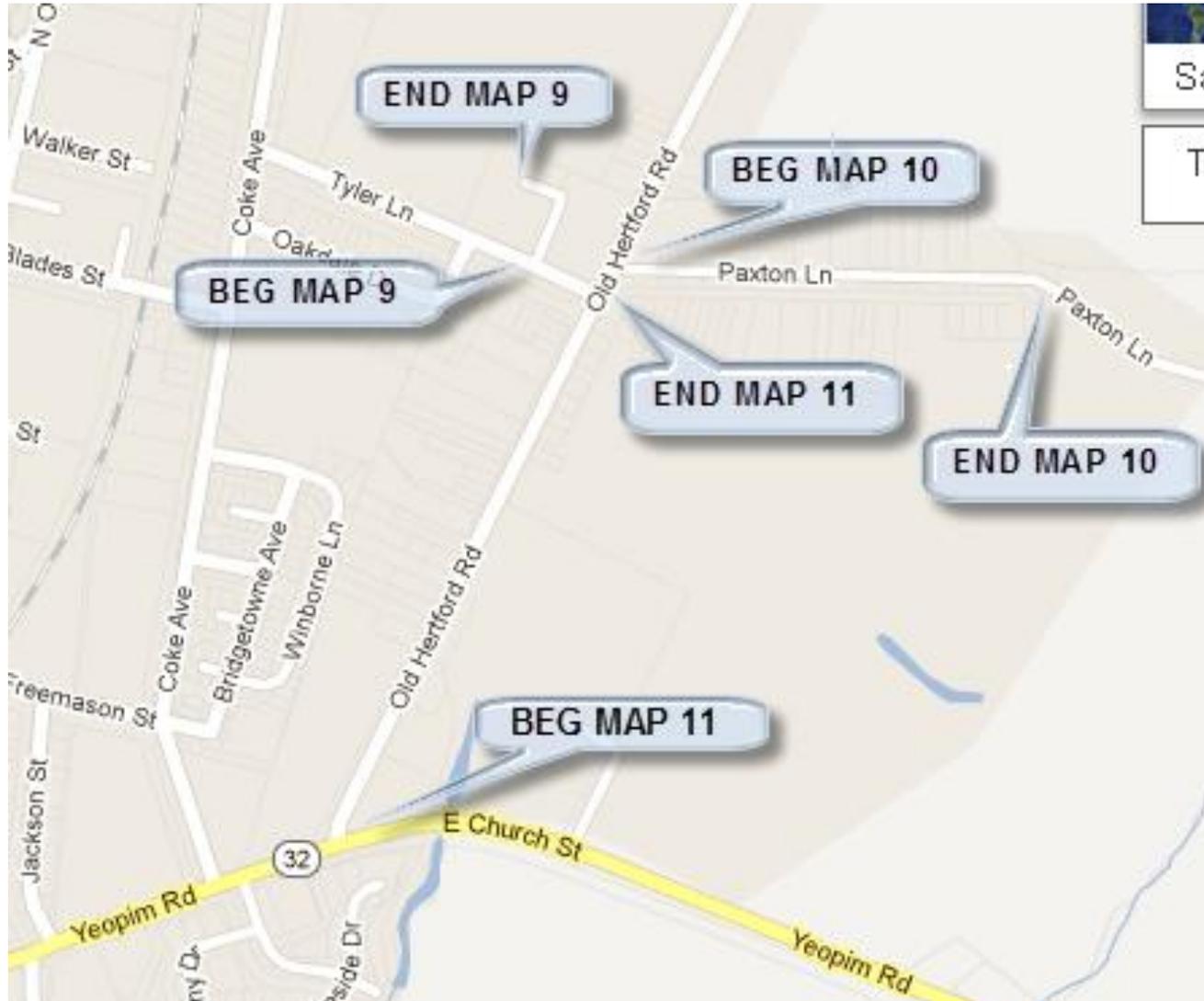
LETTING DATE:
 APRIL 18, 2012

W.B. HOBBS, P.E.
 DIVISION PROJECT MANAGER

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 DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA





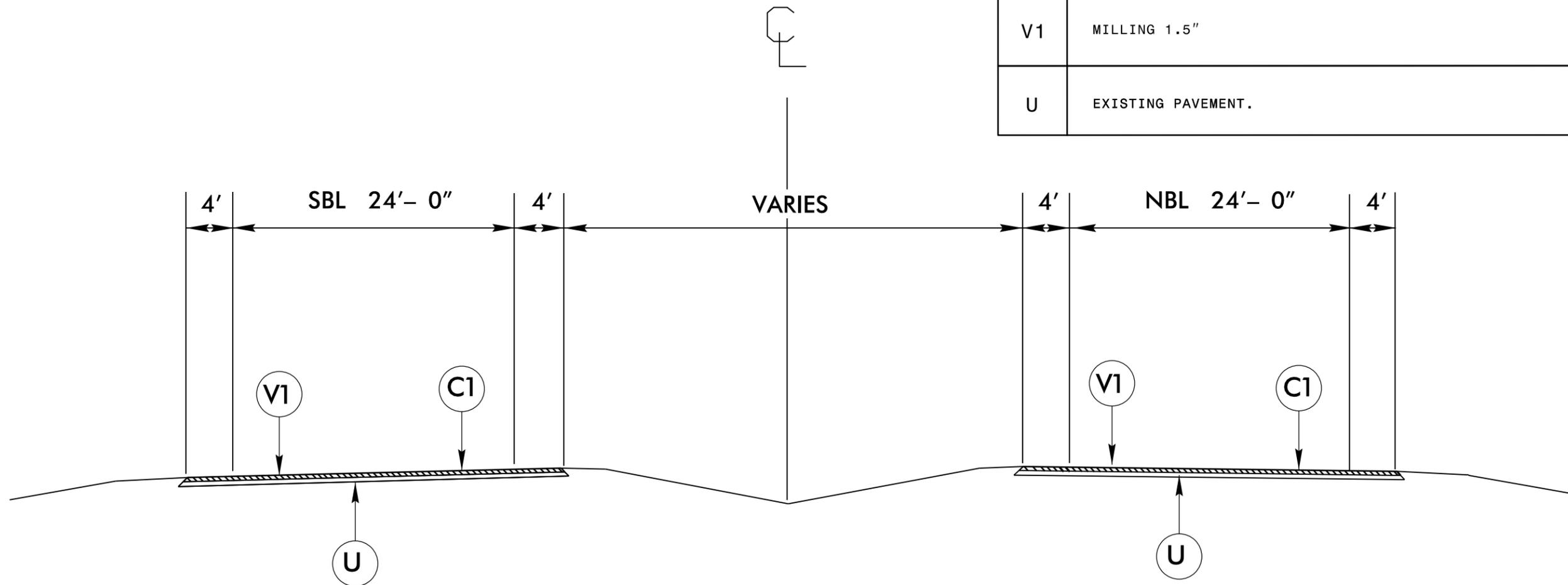
NOTES:

1. ALL PAVED INTERSECTIONS, CROSS OVERS AND TURN LANES TO BE MILLED AND RESURFACED TO THE ENDS OF THE RADIORAS DIRECTED BY THE ENGINEER
2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND TURN LANES ARE INCLUDED IN THE SUMMARY OF QUANTITIES
3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

REVISED 3/26/12

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.17, ETC.	5 OF 12

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE S 9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
V1	MILLING 1.5"
U	EXISTING PAVEMENT.



TYPICAL SECTION #1
USE WITH MAP 1 & 2

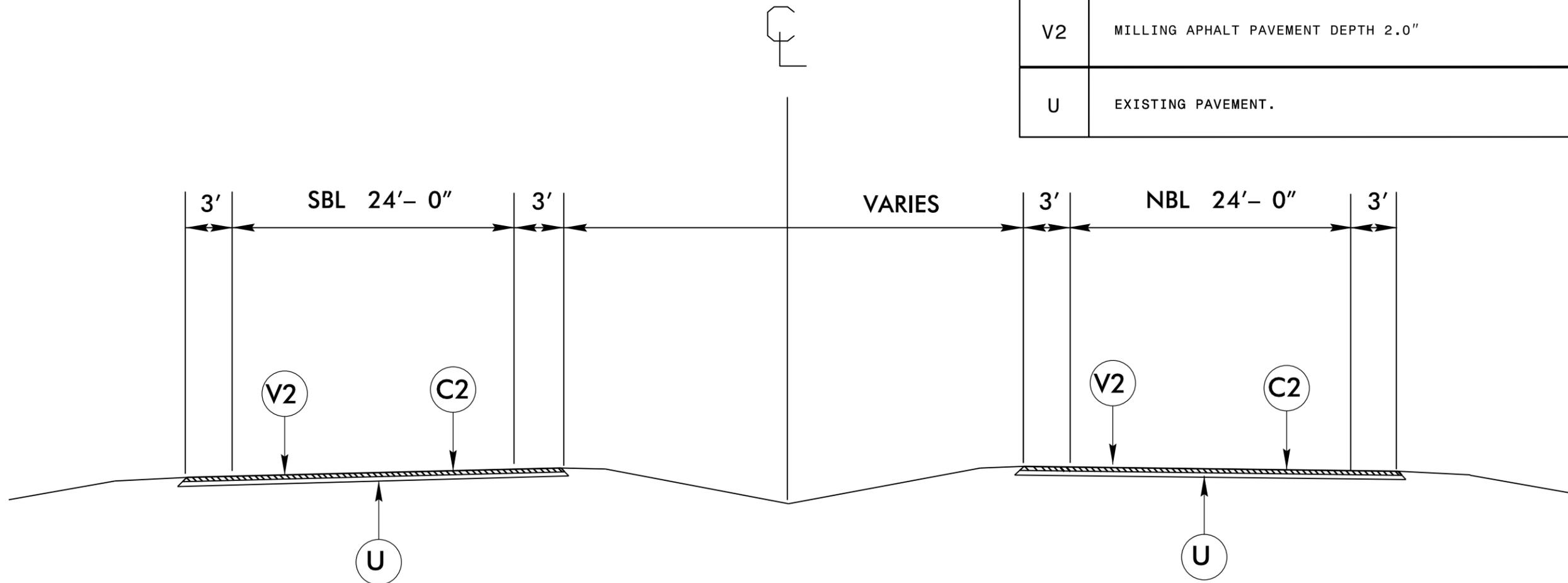
NOTES:

1. ALL PAVED INTERSECTIONS, CROSS OVERS AND TURN LANES TO BE MILLED AND RESURFACED TO THE ENDS OF THE RADIORS DIRECTED BY THE ENGINEER
2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND TURN LANES ARE INCLUDED IN THE SUMMARY OF QUANTITIES
3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

REVISED 3/26/12

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.17, ETC.	6 OF 12

PAVEMENT SCHEDULE	
C2	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE TYPE S 9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ.YD.
V2	MILLING APHALT PAVEMENT DEPTH 2.0"
U	EXISTING PAVEMENT.



TYPICAL SECTION #2

USE WITH MAP 3 & 4

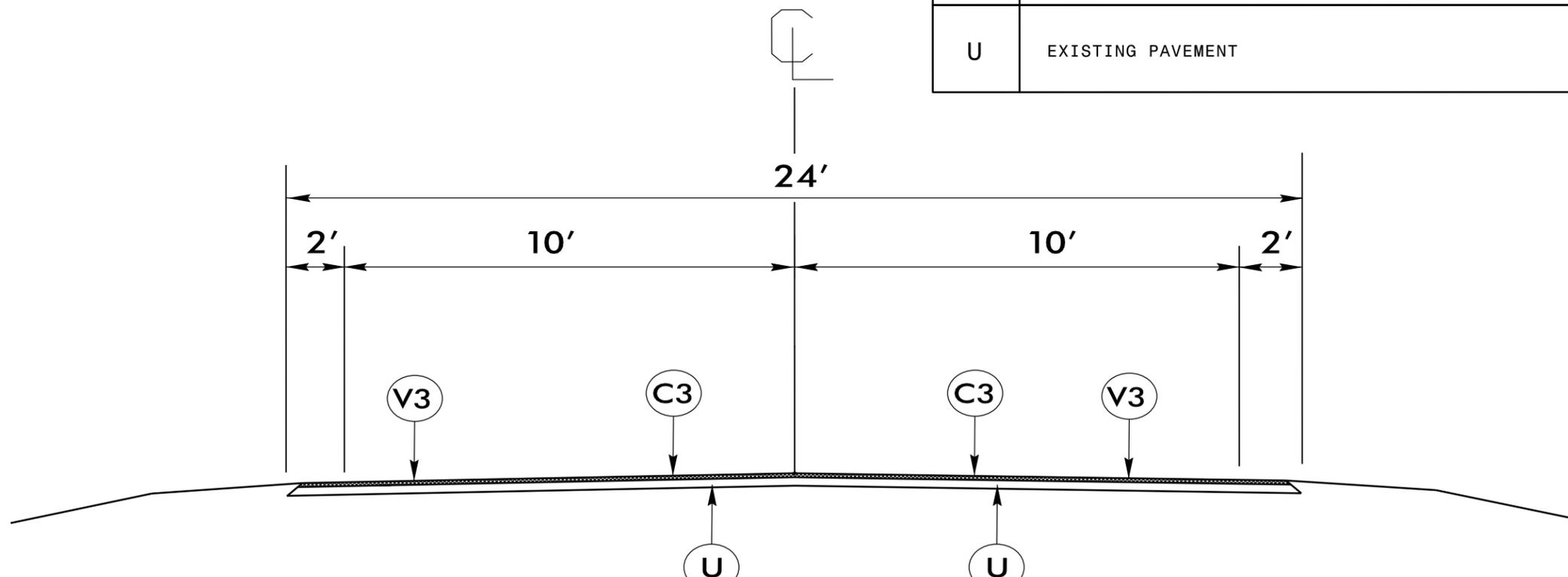
NOTES:

1. ALL PAVED S.R. ROADS TO BE MILLED, RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

REVISED 3/26/12

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.17, ETC.	7 OF 12

PAVEMENT SCHEDULE	
C3	PROP. APPROX. 3/4" OPEN-GRADE FRICTION COURSE, TYPE FC 2 MODIFIED AT AN AVERAGE RATE OF 90 LBS. PER SQ.YD.
V3	MILLING ASHALT PAVEMENT DEPTH 3/4"
U	EXISTING PAVEMENT



TYPICAL SECTION #3

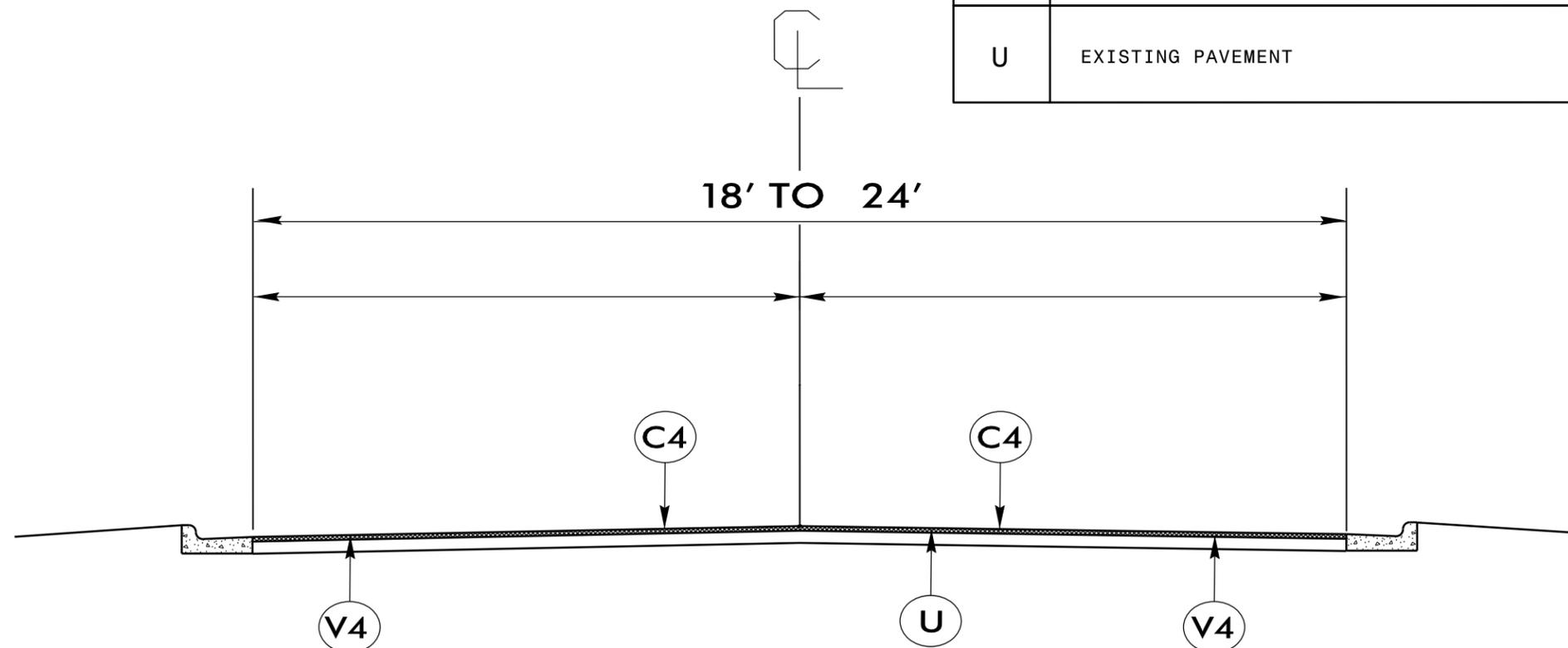
USE WITH MAP 12

NOTES:

1. ALL PAVED S.R. ROADS TO BE MILLED, RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.17, ETC.	8 OF 12

PAVEMENT SCHEDULE	
C4	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE SF9.5A AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
V4	MILLING ASHALT PAVEMENT DEPTH 1.5"
U	EXISTING PAVEMENT



TYPICAL SECTION #4

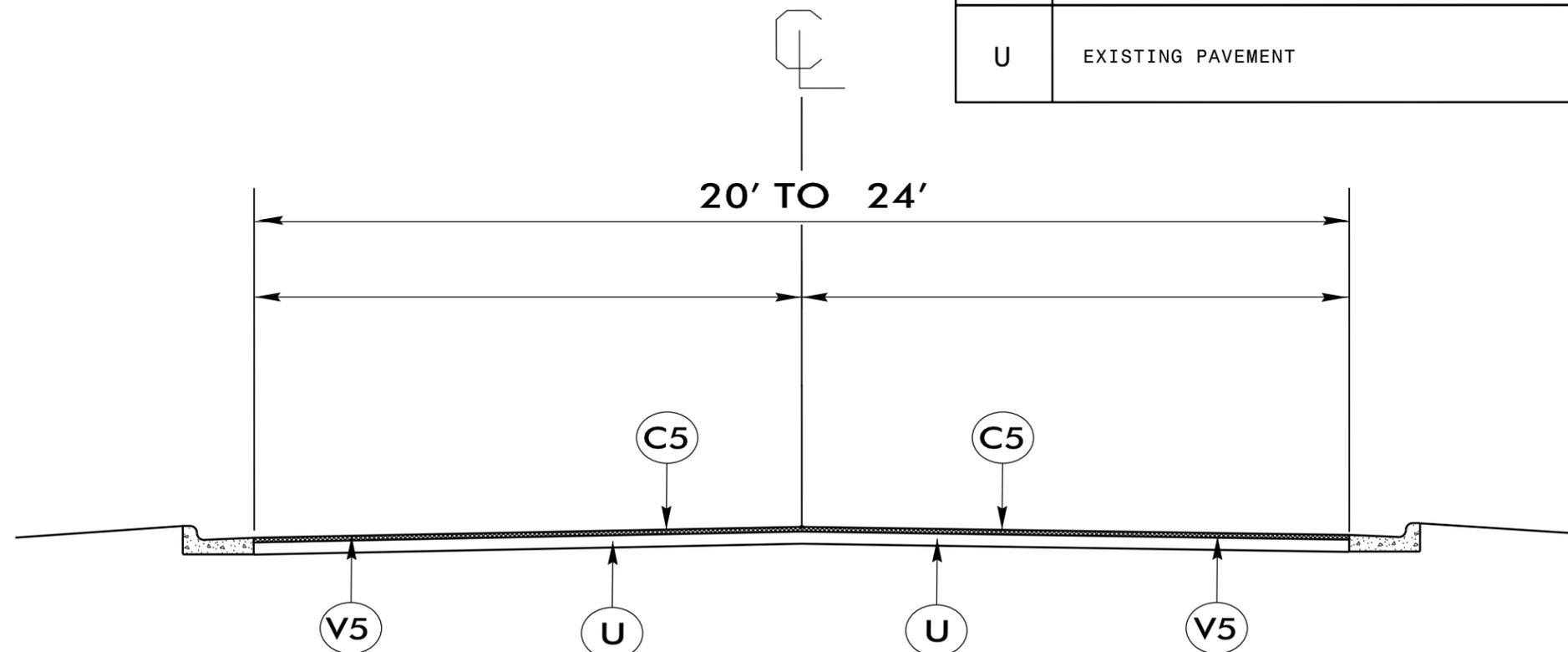
USE WITH MAPS 5, 6 AND 7

NOTES:

1. ALL PAVED S.R. ROADS TO BE MILLED, RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.17, ETC.	9 OF 12

PAVEMENT SCHEDULE	
C5	PROP. APPROX. 2" ASPHALT SURFACE COURSE, TYPE SF 9.5 A AT AN AVERAGE RATE OF 220 LBS. PER SQ.YD.
V5	MILLING ASHALT PAVEMENT DEPTH 2"
U	EXISTING PAVEMENT



TYPICAL SECTION #5

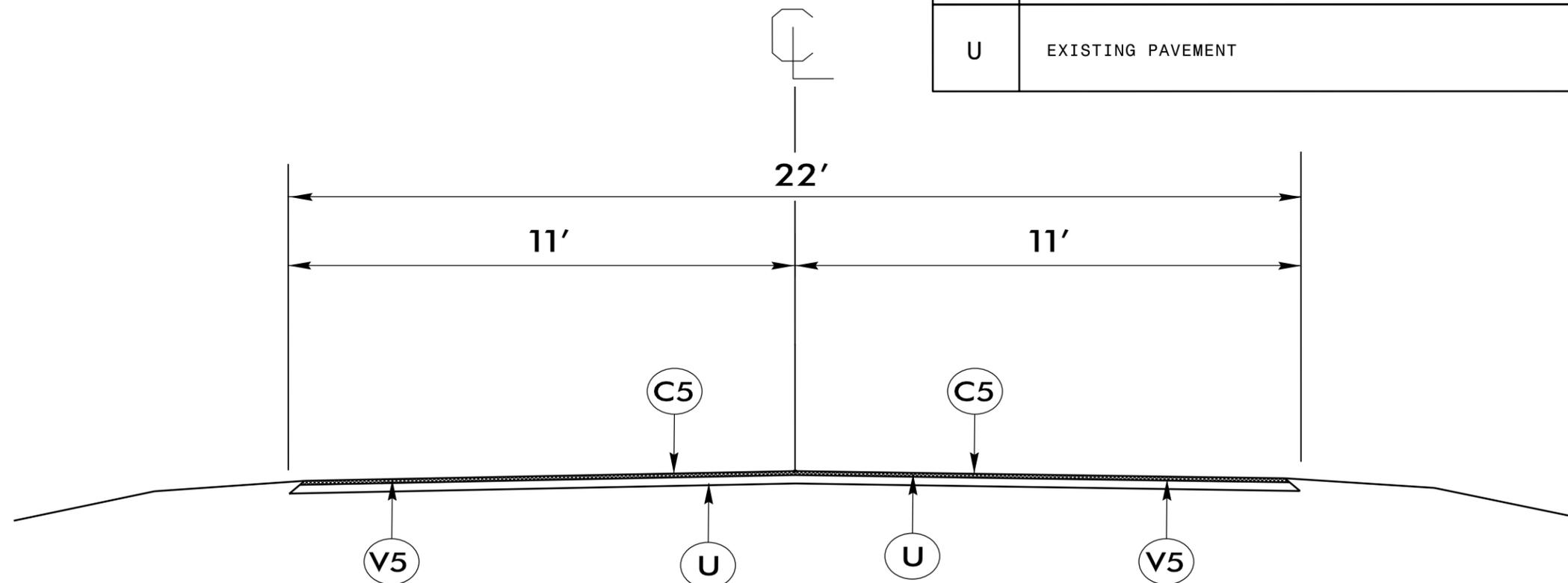
USE WITH MAPS 8 AND 9

NOTES:

1. ALL PAVED S.R. ROADS TO BE MILLED, RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.17, ETC.	10 OF 12

PAVEMENT SCHEDULE	
C5	PROP. APPROX. 2" ASPHALT CONCRETE COURSE, TYPE SF 9.5 A AT AN AVERAGE RATE OF 220 LBS. PER SQ.YD.
V5	MILLING ASHALT PAVEMENT DEPTH 2"
U	EXISTING PAVEMENT



TYPICAL SECTION #6

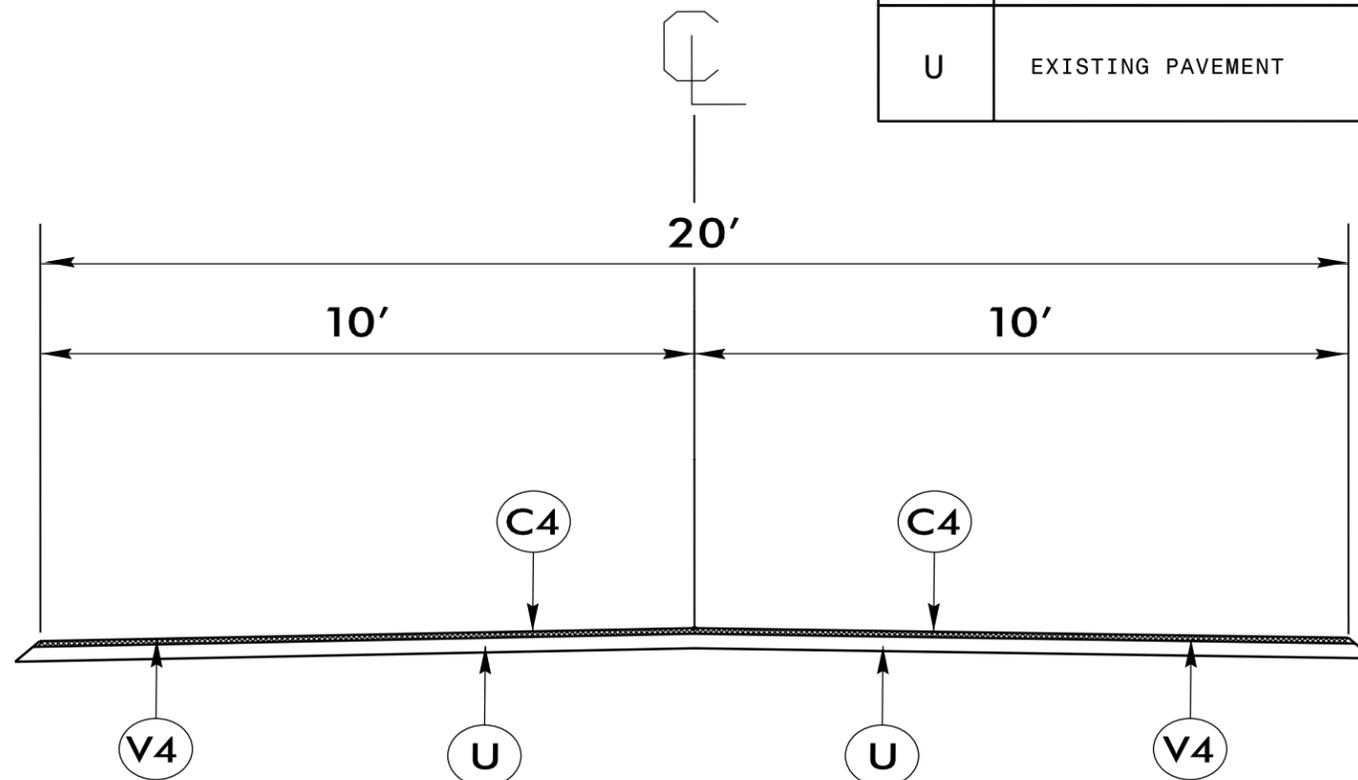
USE WITH MAPS 10

NOTES:

1. ALL PAVED S.R. ROADS TO BE MILLED, RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.17, ETC.	11 OF 12

PAVEMENT SCHEDULE	
C4	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE SF9.5A AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
V4	MILLING ASHALT PAVEMENT DEPTH 1.5"
U	EXISTING PAVEMENT



TYPICAL SECTION #7

USE WITH MAPS 11

PROJECT NO.	SHEET NO.	TOTAL NO.
1CR.10581.17, ETC.	12	12

REVISED 3/26/12

SUMMARY OF QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH	WIDTH	MOBILIZATION	1½" MILLING	2" MILLING	¾" MILLING	SURFACE COURSE, \$9.5B	SURFACE COURSE, \$9.5A	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX	OGAFC, TYPE FC 2 MOD
NO		NO			NO		MI	FT	LS	SY	SY	SY	TONS	TONS	TON	TON	TONS
1CR.10581.17	Martin	1	US 17 SOUTH BOUND LANE	FROM US 64 ALT .70 MILES SOUTH TO NEW PAVEMENT	1	NO	0.7	32	1	15,151			1,416		85		
1CR.10581.17	Martin	2	US17 NORTH BOUND LANE	NORTH BOUND LANE FROM NEW PAVEMENT TO US 64 ALT	1	NO	0.7	32	*	16,607			1,401		84		
1CR.10581.18	Martin	3	US 13/17 SOUTH BOUND LANE	FROM RONOAKE RIVER BRIDGE SOUTH TO BEGIN NEW PAVEMENT	2	NO	0.81	30	*		15,682		1,876		113		
1CR.10581.18	Martin	4	US 13/17 NORTH BOUND LANE	FROM NEW PAVEMENT NORTH TO RONOAKE RIVER BRIDGE	2	NO	0.81	30	*		15,682		1,876		113		
36249.3113	Chowan	5	EAST KING STREET	BETWEEN BROAD AND COLONIAL	4	NO	0.07	24	*	1,084				92	6		
36249.3113	Chowan	6	EAST KING STREET	BETWEEN S OAKUM AND R/R TRACKS	4	NO	0.06	18	*	700				91	6		
36249.3113	Chowan	7	WEST WATER STREET	FROM GRANVILLE TO BROAD STREET	4	NO	0.15	24	*	2,323				193	13		
36249.3113	Chowan	8	SOUTH OAKUM STREET	BETWEEN EAST KINGS STREET AND EAST QUEEN STREET	5	NO	0.15	24	*		2,323			307	21		
36249.3113	Chowan	9	BLADES CIRCLE	FROM BLADES STREET TO DEAD END	5	NO	0.09	20	*		1,161			167	11		
36249.3113	Chowan	10	PAXTON LANE	FROM OLD HERTFORD RD FOR .40 MILES	6	NO	0.4	22	*		5,678			684	46		
36249.3113	Chowan	11	OLD HERTFORD ROAD	FROM OLD HERTFORD RD TO TYLER LANE	7	NO	0.51	20		6,582				546	37		
43441.3.1	Chowan	12	NC 32 NORTH	NC 32 .10 MILE SOUTH OF SR 1316 TO TO 100' PASSED SR1317 NORTH END	3	NO	2.1	24	*			24,400				67	1,101
GRAND TOTAL							6.04		1	42,447	40,526	24,400	6,569	2,080	535	67	1,101

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" X 120 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 STR & LT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	4" WHITE POLYUREA	4" YELLOW POLYUREA	CRYSTAL & RED MARKERS	INDUCTIVE LOOP SAWCUT	LEAD-IN CABLE (18-4)	
NO		NO			LS	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	LF	LF	EA	LF	LF	
1CR.10581.17	Martin	1	US 17 SOUTH BOUND LANE	FROM US 64 ALT .70 MILES SOUTH TO NEW PAVEMENT	1	4,000	4,000	1,800	50	3	3	3	3	3	5,800	4,000			110	1,000	200	
1CR.10581.17	Martin	2	US17 NORTH BOUND LANE	NORTH BOUND LANE FROM NEW PAVEMENT TO US 64 ALT	*	4,000	4,000	1,800	50	3	3	3	3	3	4,000	5,800			110	1,000	200	
1CR.10581.18	Martin	3	US 13/17 SOUTH BOUND LANE	FROM RONOAKE RIVER BRIDGE SOUTH TO BEGIN NEW PAVEMENT	*	4,710	4,710	1,200	50	9	3	9	4	3	5,910	4,710			114			
1CR.10581.18	Martin	4	US 13/17 NORTH BOUND LANE	FROM NEW PAVEMENT NORTH TO RONOAKE RIVER BRIDGE	*	4,710	4,710	1,200	50	9	3	9	4	3	5,910	4,710			114			
36249.3113	Chowan	5	EAST KING STREET	BETWEEN BROAD AND COLONIAL	*																	
36249.3113	Chowan	6	EAST KING STREET	BETWEEN S OAKUM & R/R TRACKS	*																	
36249.3113	Chowan	7	WEST WATER STREET	FROM GRANVILLE STREET TO BROAD STREET	*																	
36249.3113	Chowan	8	SOUTH OAKUM STREET	BETWEEN EAST KINGS STREET AND EAST QUEEN STREET	*																	
36249.3113	Chowan	9	BLADES CIRCLE	FROM BLADES STREET TO DEAD END	*																	
36249.3113	Chowan	10	PAXTON LANE	FROM OLD HERTFORD RD FOR .40 MILES	*										10,975	6732						
43441.3.1	Chowan	11	NC 32 NORTH	NC 32 .10 MILE SOUTH OF SR 1316 TO TO 100' PASSED SR1317 NORTH END	*												22,596	13,860	154			
GRAND TOTAL					1	17,420	17,420	6,000	200	24	12	24	14	6	32,595	25,952	22,596	13,860	602	2,000	400	
							34,840			80					58,547		36,456					