

03-SEP-2014 10:40
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 cslachta AT DICAD25701L

CONTRACT NO. : DA00212 WBS ELEMENT: ICR.10581.25, ETC.

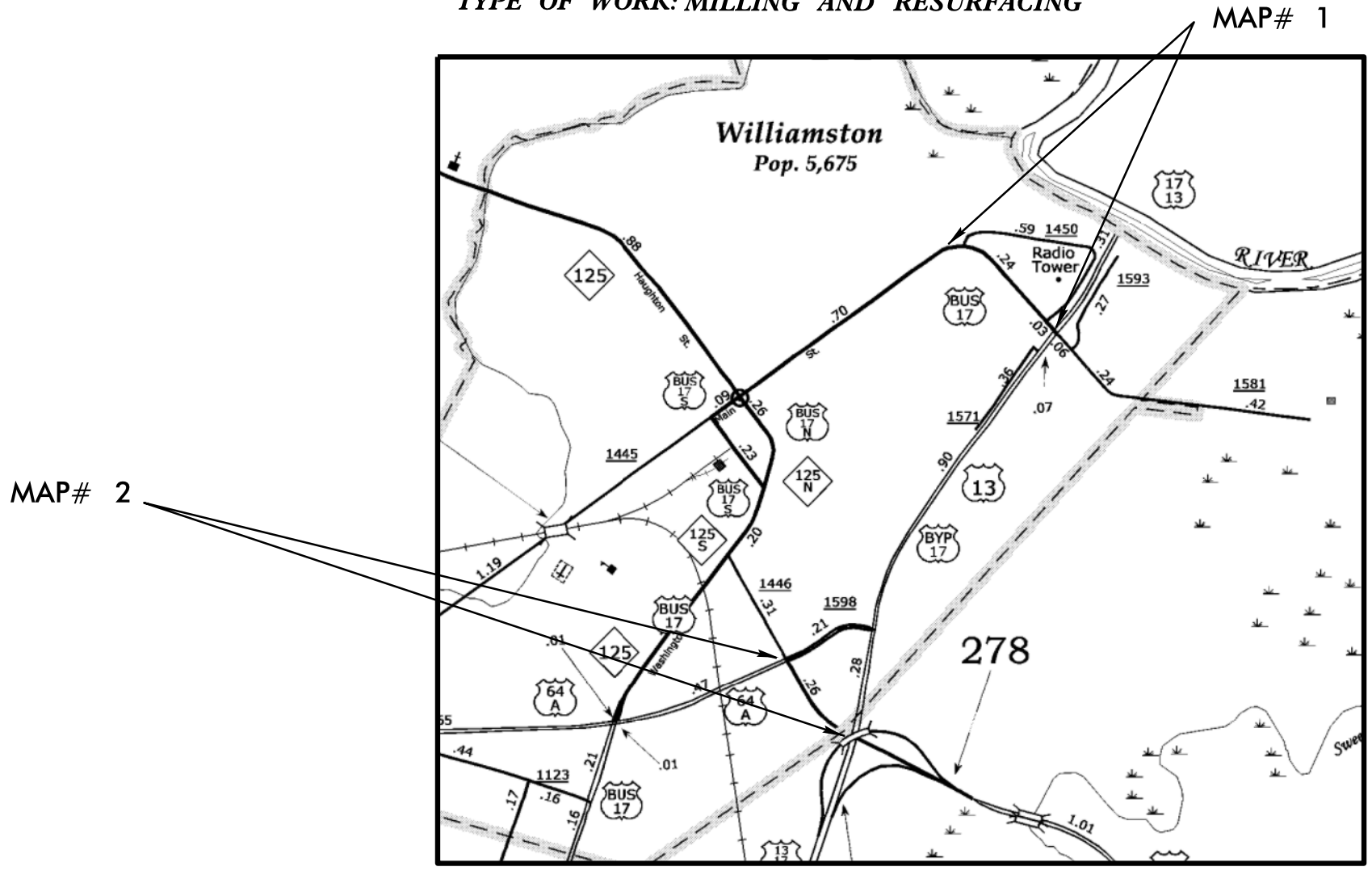


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MARTIN COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	1CR.10581.25, ETC.	1	9
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

LOCATION: MAP #1 US 17 BUS. FROM US-13/17 TO PAVEMENT CHANGE / MAP #2 US64 ALT. FROM US64 TO SR1598
TYPE OF WORK: MILLING AND RESURFACING



NOT TO SCALE

PROJECT LENGTH

MAP#1 WBS# 1CR.10581.25 = 0.37 MILES
 MAP#2 WBS# 1CR.10581.26 = 0.30 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS

2012 STANDARD SPECIFICATIONS

LETTING DATE:
SEPTEMBER 24, 2014

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

C.E. SLACHTA
 DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

03-SEP-2014 10:41
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 slachta AT DICAD23TOLL

CONTRACT NO.: DA00212 WBS ELEMENT: ICR.10581.25, ETC.



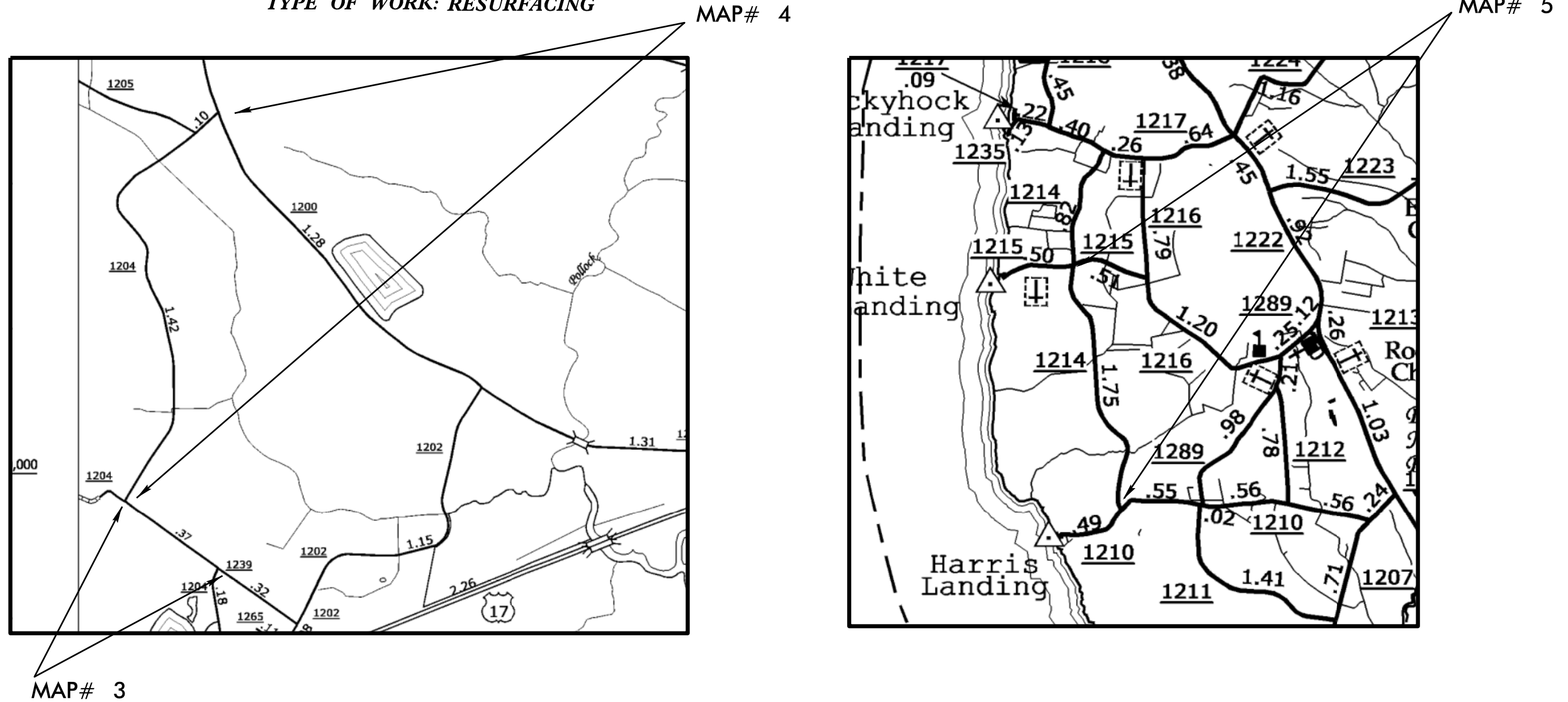
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

CHOWAN COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	1CR.10581.25, ETC.	2	9
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

LOCATION: MAP #3 SR 1204 FROM SR1239 TO SR1203 / MAP #4 SR 1204 FROM SR1203 TO SR1200
 MAP #5 SR1214 FROM SR1210 TO SR1215

TYPE OF WORK: RESURFACING



NOT TO SCALE

PROJECT LENGTH

MAP#3 WBS# 1CR.20211.27	= 0.41 MILES
MAP#4 WBS# 1CR.20211.28	= 1.51 MILES
MAP#5 WBS# 1CR.20211.29	= 1.75 MILES

Prepared In the Office of:

DIVISION OF HIGHWAYS

2012 STANDARD SPECIFICATIONS	<div style="text-align: center;"> <p style="font-size: 0.8em;">W.B. HOBBS, P.E. DIVISION PROJECT MANAGER</p> </div>
LETTING DATE: SEPTEMBER 24, 2014	<div style="text-align: center;"> <p style="font-size: 0.8em;">C.E. SLACHTA DIVISION PROPOSALS ENGINEER</p> </div>

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

03-SEP-2014 10:42
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 cslachta AT DICAD257101

CONTRACT NO. : DA00212 WBS ELEMENT: 1CR.10581.25 ETC.



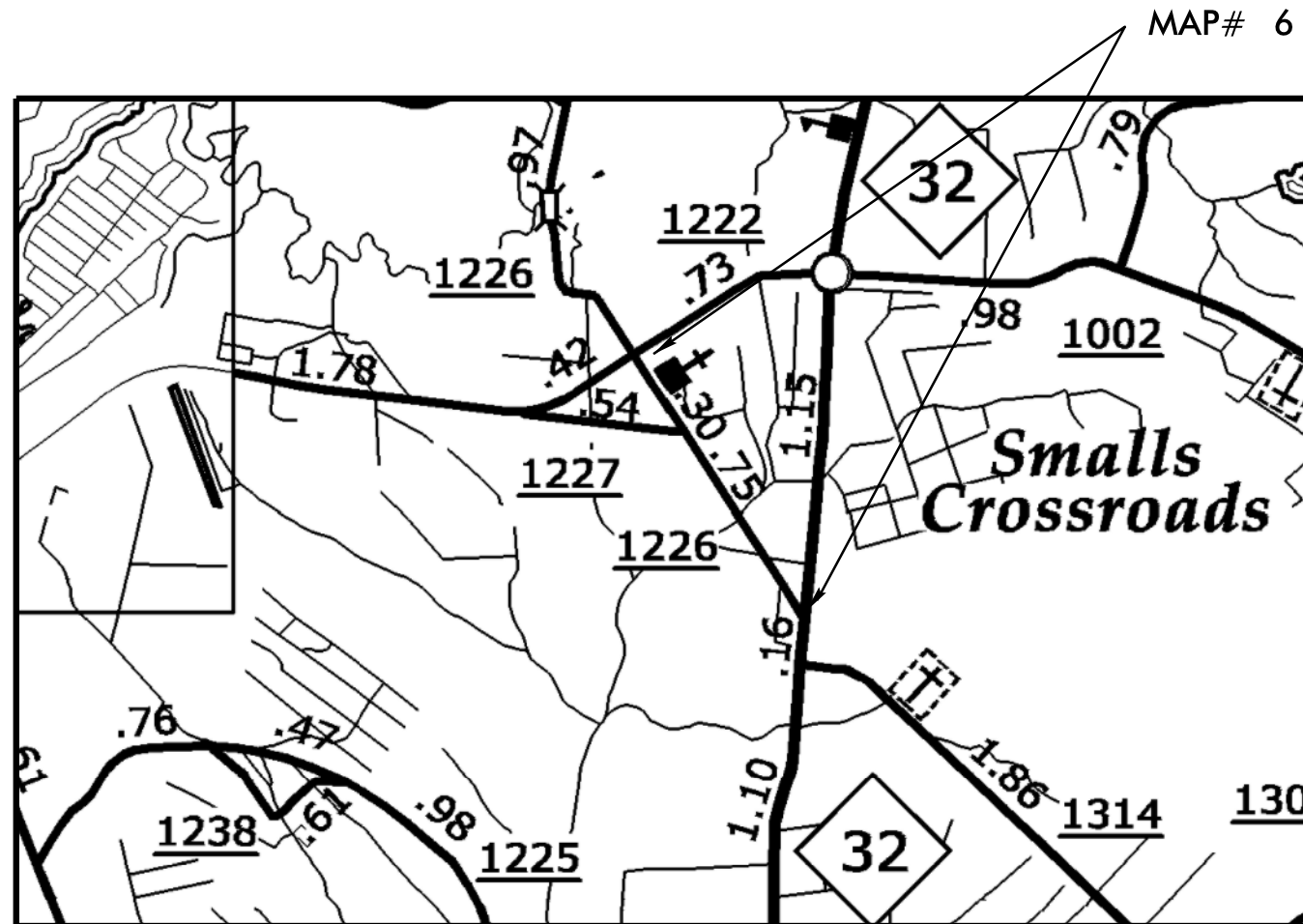
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

CHOWAN COUNTY

LOCATION: MAP #6 SRI226 FROM NC32 TO SRI222

TYPE OF WORK: RESURFACING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	1CR.10581.25, ETC.	3	9
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	



NOT TO SCALE

PROJECT LENGTH
 MAP#6 WBS# 1CR.20211.30 = 1.05 MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS

2012 STANDARD SPECIFICATIONS

LETTING DATE:
 SEPTEMBER 24, 2014

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

C.E. SLACHTA
 DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

03-SEP-2014 10:43 C:\DCurrent\Projects\DIVISION PROJECT WORKING FILES\District Three\DA00212 Chowan & Martin Co. Resurfacing (2015)\Pre-Bid Documents\LRdy_atn_Chowan and Martin resurfacing.dgn
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CONTRACT NO. : DA00212 WBS NO. : ICR.10581.25 ETC.

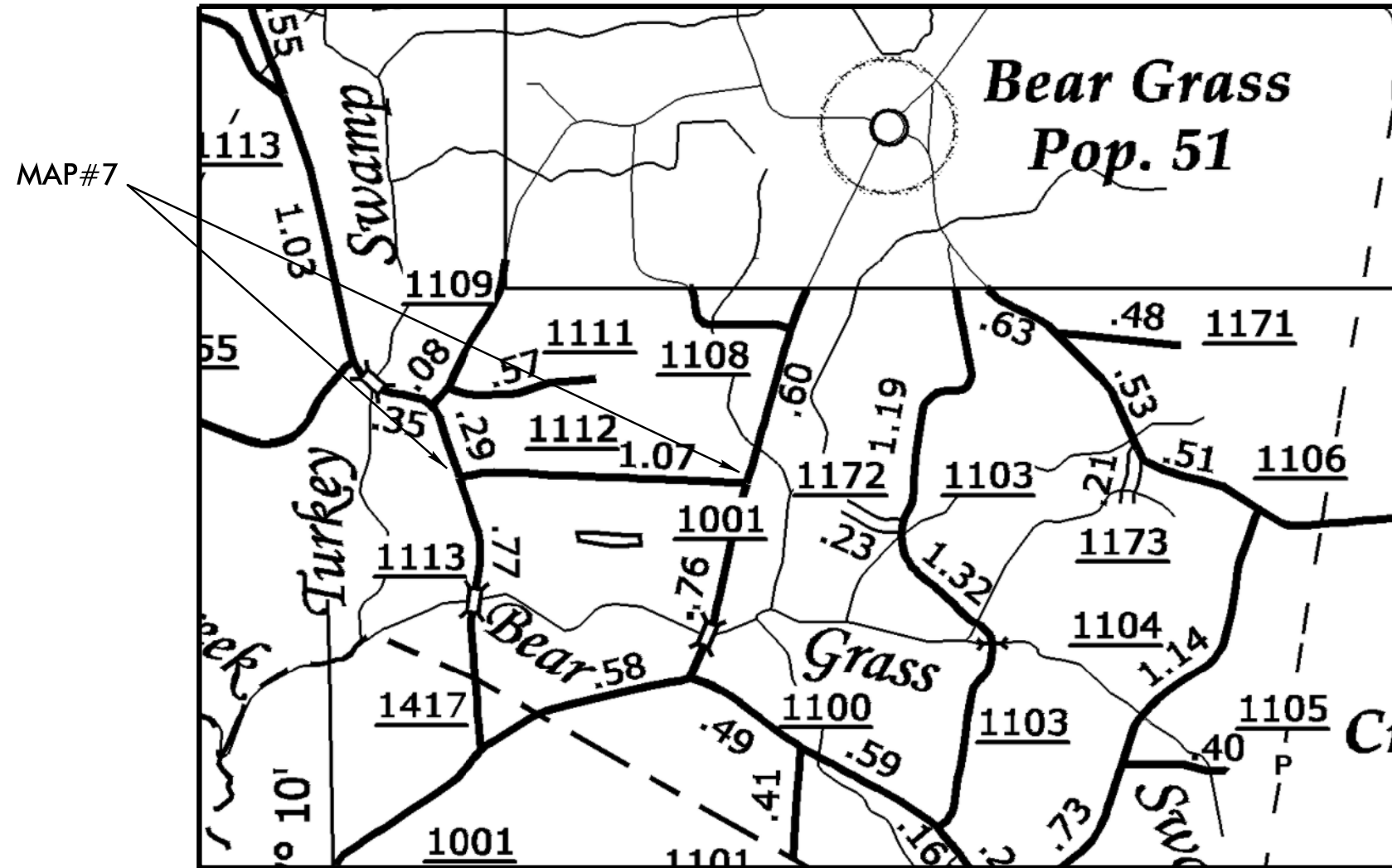


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MARTIN COUNTY

LOCATION: MAP #7 SR1112 FROM SR1001 TO SR1113

TYPE OF WORK: RESURFACING



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	1CR.10581.25, ETC.	4	9
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

NOT TO SCALE

PROJECT LENGTH
MAP#7 WBS# 1CR.20581.56 = 1.05 MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS

2012 STANDARD SPECIFICATIONS

LETTING DATE:
SEPTEMBER 24, 2014

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

C.E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

03-SEP-2014 10:45 C:\D\Cu\ren\PLT\CID\0257101\ AT DICAD257101\ PROJECT WORKING FILES\District Three\DA00212 Chowan & Martin Co. Resurfacing (2015)\Pre-Bid Documents\LRdy_atn_Chowan and Martin resurfacing.dgn 08/08/14

CONTRACT NO.: DA00212 WBS NO.: ICR.10581.25 ETC.

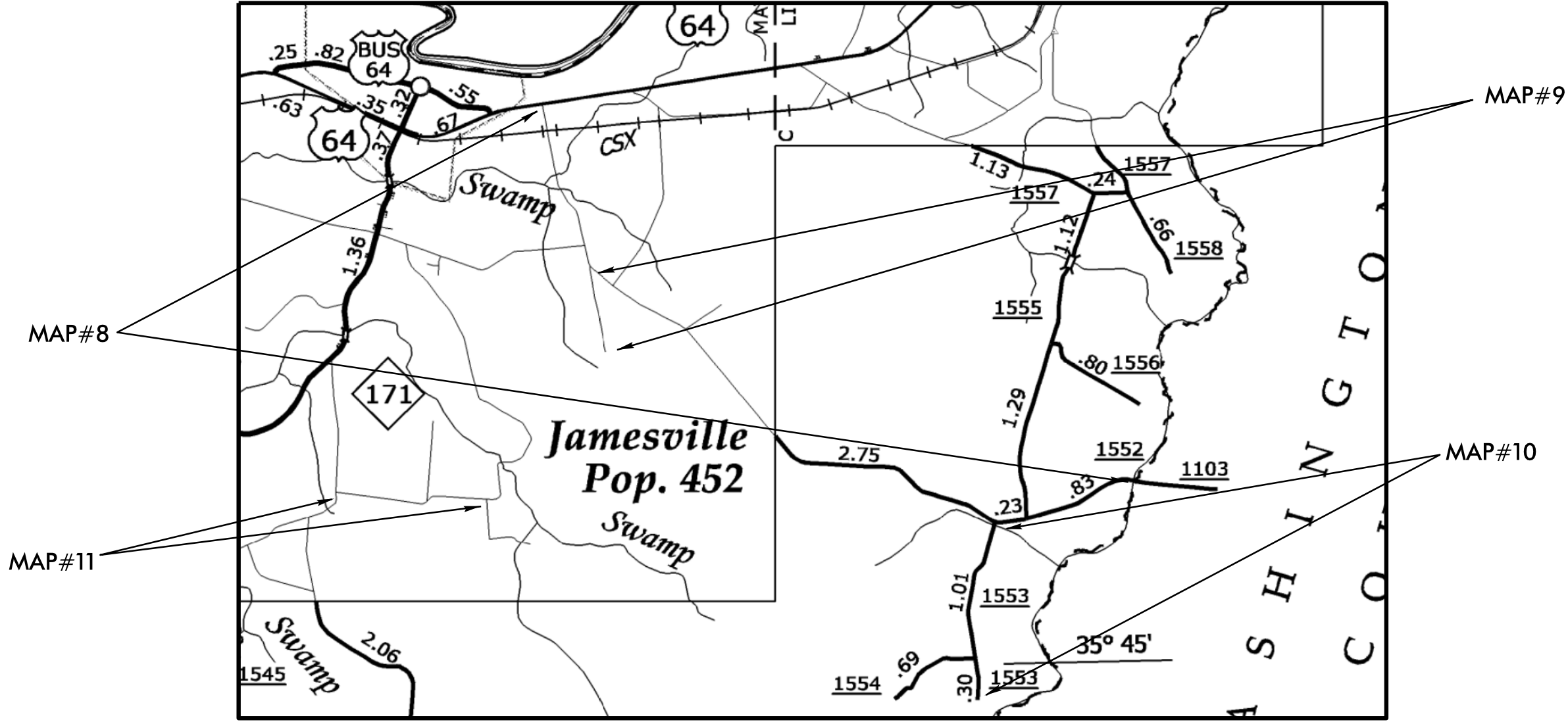


STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

MARTIN COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	1CR.10581.25, ETC.	5	9
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

LOCATION: MAP #8 SR1552 FROM US64 TO WASHINGTON COUNTY LINE / MAP #9 SR1551 FROM SR1552 TO DEAD END
MAP #10 SR1553 FROM SR1552 TO DEAD END / MAP #11 SR1548 FROM SR1538 TO SR1549
TYPE OF WORK: RESURFACING



NOT TO SCALE

PROJECT LENGTH
MAP#8 WBS# 1CR.20581.57 = 5.86 MILES
MAP#9 WBS# 1CR.20581.58 = 0.62 MILES
MAP#10 WBS# 1CR.20581.59 = 1.35 MILES
MAP#11 WBS# 1CR.20581.60 = 1.10 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS

2012 STANDARD SPECIFICATIONS

LETTING DATE: SEPTEMBER 24, 2014	W. B. HOBBS, P.E. <small>DIVISION PROJECT MANAGER</small>
	C. E. SLACHTA <small>DIVISION PROPOSALS ENGINEER</small>

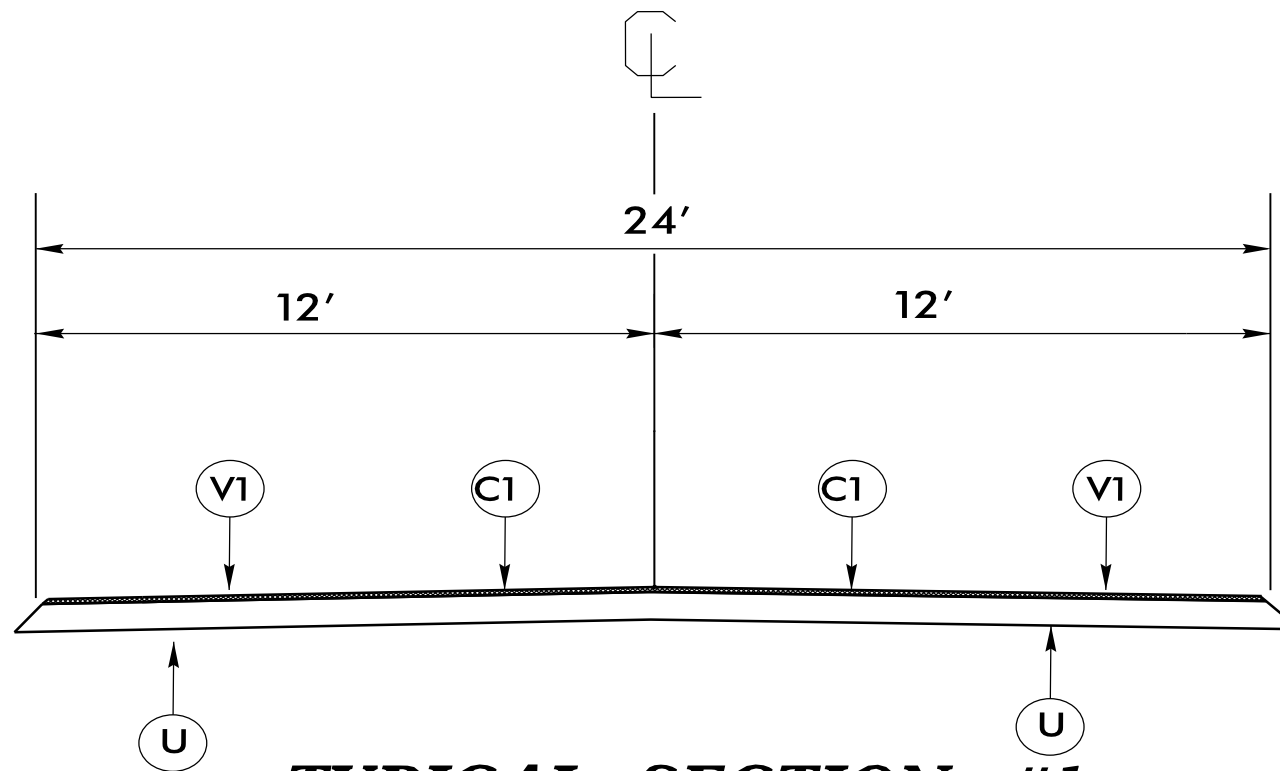
DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

NOTES:

1. ALL PAVED S.R. ROADS TO BE 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. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.25, ETC.	6 OF 9

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
V1	MILLING BITUMINOUS PAVEMENT 1.5" IN DEPTH
U	EXISTING PAVEMENT.



TYPICAL SECTION #1

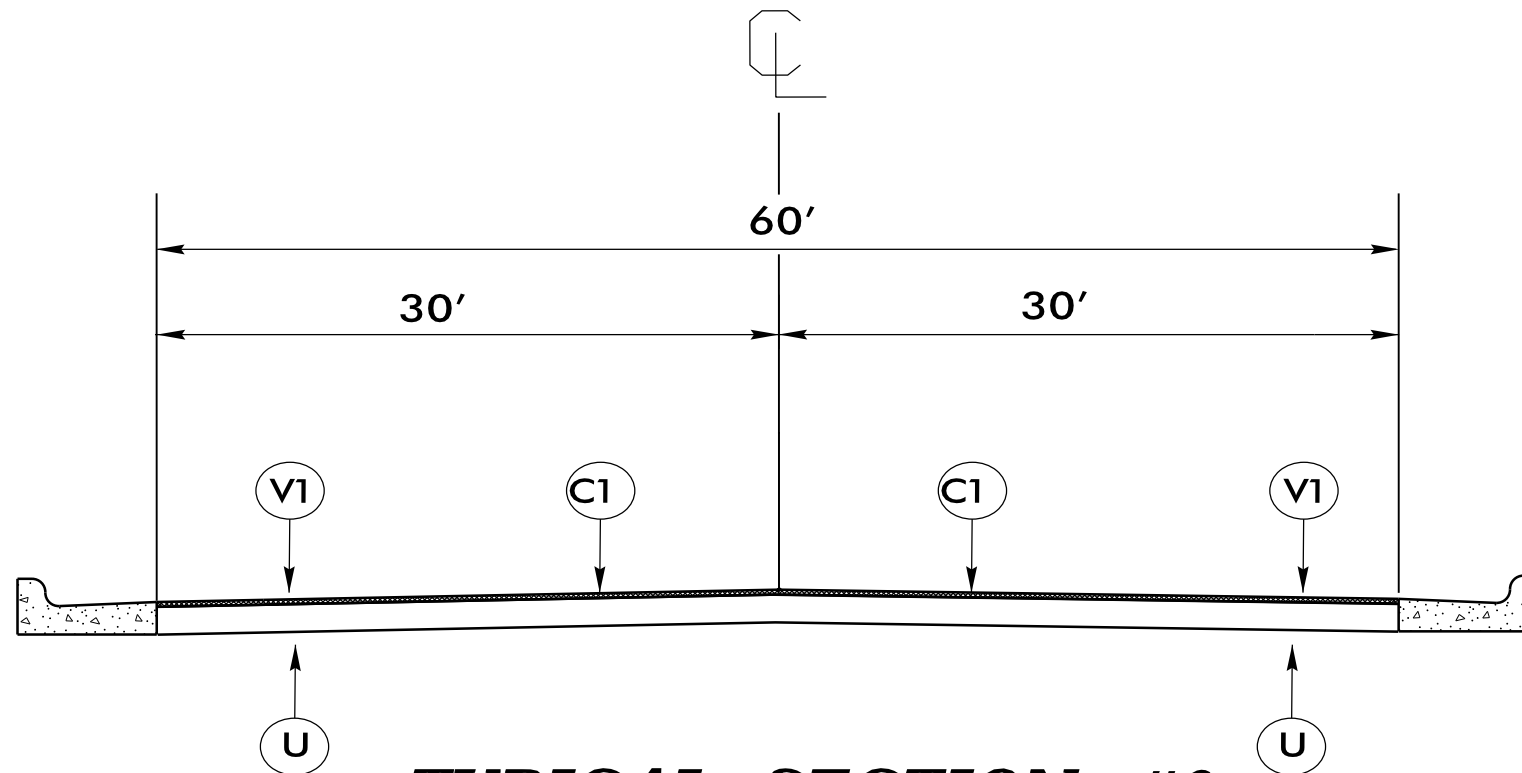
USE WITH MAP 1

NOTES:

1. ALL PAVED S.R. ROADS TO BE 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. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.25, ETC.	7 OF 9

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
V1	MILLING BITUMINOUS PAVEMENT 1.5" IN DEPTH
U	EXISTING PAVEMENT.



TYPICAL SECTION #2

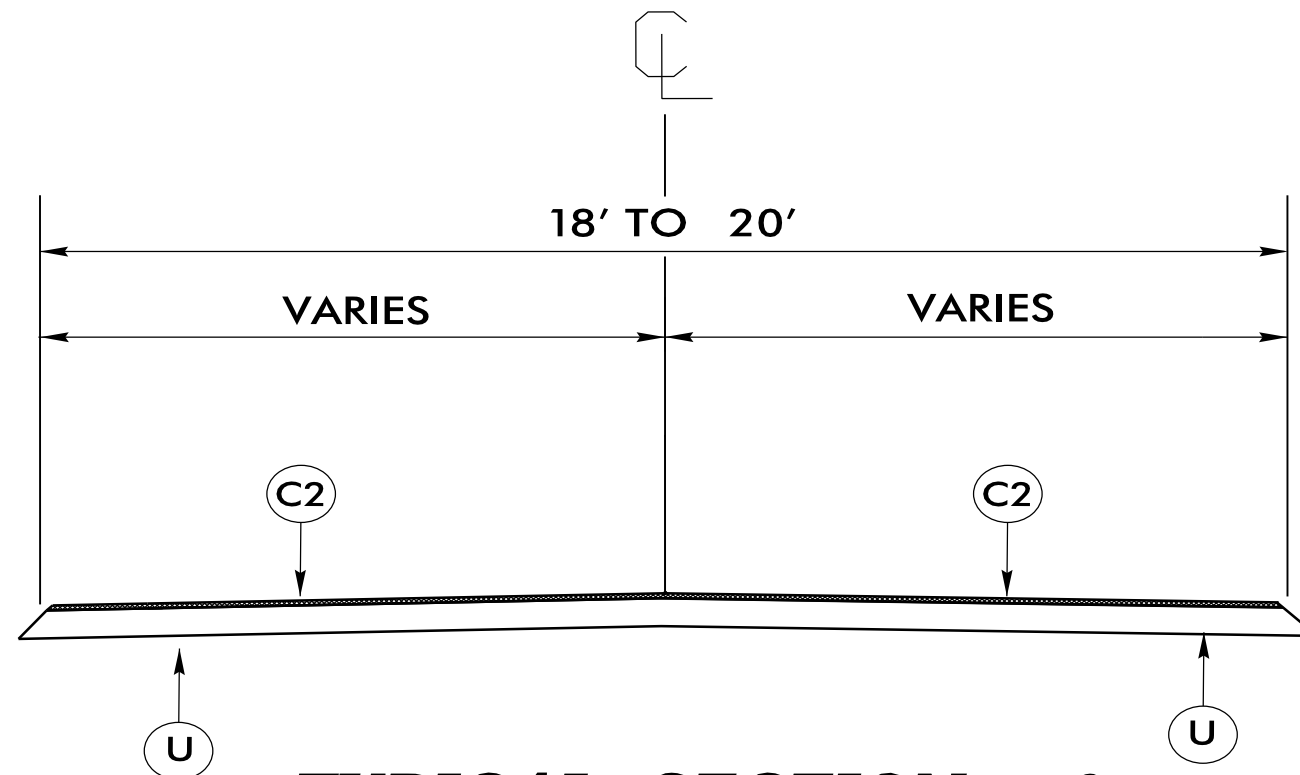
USE WITH MAP 2

NOTES:

1. ALL PAVED S.R. ROADS TO BE 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. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.25, ETC.	8 OF 9

PAVEMENT SCHEDULE	
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
U	EXISTING PAVEMENT.



TYPICAL SECTION #3

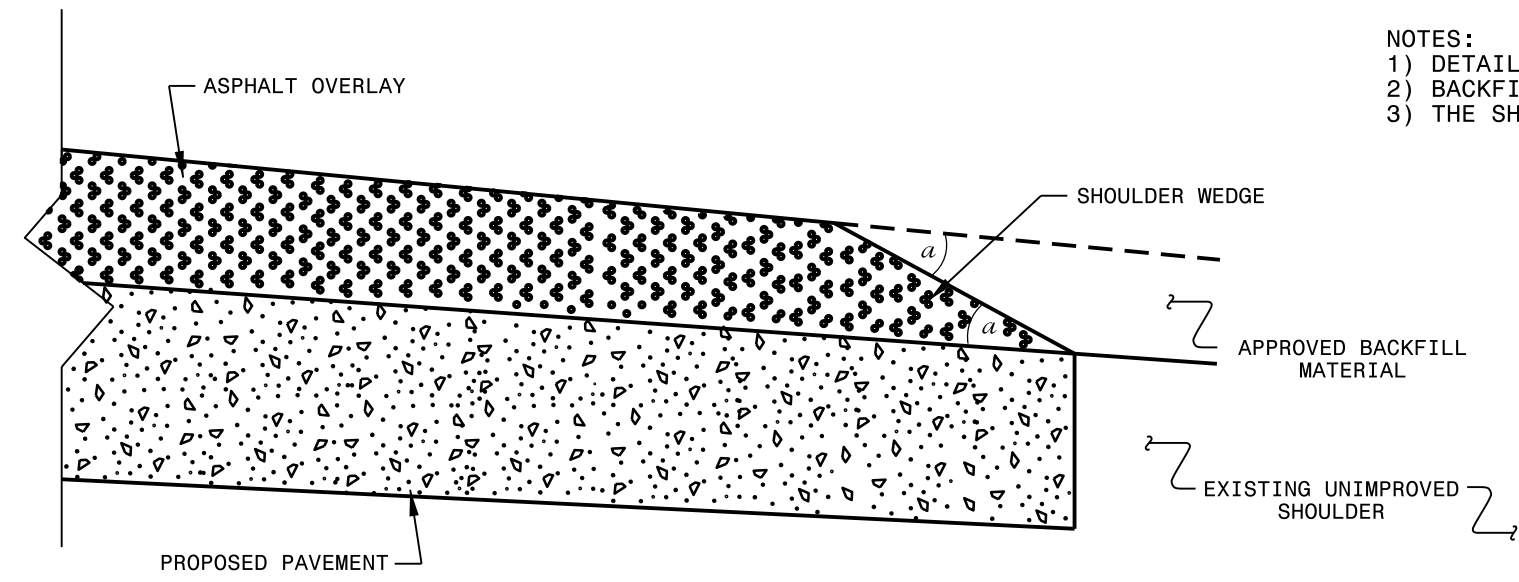
USE WITH MAP 3, 4, 5, 6, 7, 8, 9, 10 AND 11

PROJECT NO.	SHEET NO.	TOTAL NO.
1CR.10581.25, ETC.	9	9

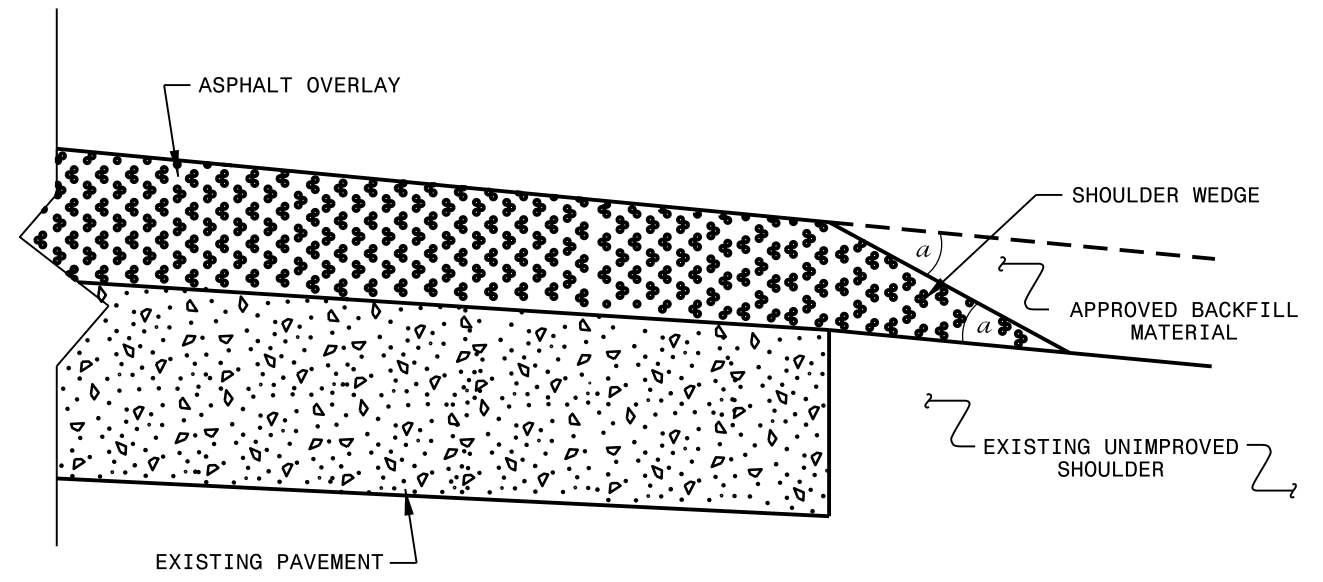
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	MOBILIZATION LUMP SUM	1½" MILLING SY	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	TEMPORARY TRAFFIC CONTROL LUMP SUM
1CR.10581.25	Martin	1	US 17 BUS.	FROM US 13/17 TO PAVEMENT CHANGE	1	2	NO	NO	0.37	24	1	5,210		484		29	1
1CR.10581.26	Martin	2	US 64 ALT.	FROM US 64 TO SR 1598	2	3	NO	NO	0.3	60	*	10,560		978		59	*
1CR.20211.27	Chowan	3	SR 1204	FROM SR 1239 TO SR1203	3	2	NO	NO	0.41	20	*		225		439	29	*
1CR.20211.28	Chowan	4	SR 1204	FROM SR 1203 TO SR 1200	3	2	NO	NO	1.51	20	*		225		1,618	108	*
1CR.20211.29	Chowan	5	SR 1214	FROM SR 1210 TO SR 1215	3	2	NO	NO	1.75	18	*		225		1,689	113	*
1CR.20211.30	Chowan	6	SR 1226	FROM NC 32 TO SR 1222	3	2	NO	NO	1.05	20	*		225		1,125	75	*
1CR.20581.56	Martin	7	SR 1112	FROM 1001 TO SR 1113	3	2	NO	NO	1.05	18	*		725		1,125	75	*
1CR.20581.57	Martin	8	SR 1552	FROM US 64 TO WASHINGTON COUNTY LINE	3	2	NO	NO	5.86	20	*		225		6,279	421	*
1CR.20581.58	Martin	9	SR 1551	FROM SR 1552 TO DEAD END	3	2	NO	NO	0.62	18	*		225		598	40	*
1CR.20581.59	Martin	10	SR 1553	FROM SR 1552 DEAD END	3	2	NO	NO	1.35	18	*		225		1,303	87	*
1CR.20581.60	Martin	11	SR 1548	FROM SR 1538 TO SR 1549	3	2	NO	NO	1.1	20	*		225		1,061	71	*
GRAND TOTAL									15.37		1	15,770	2,525	1,462	15,237	1,107	1

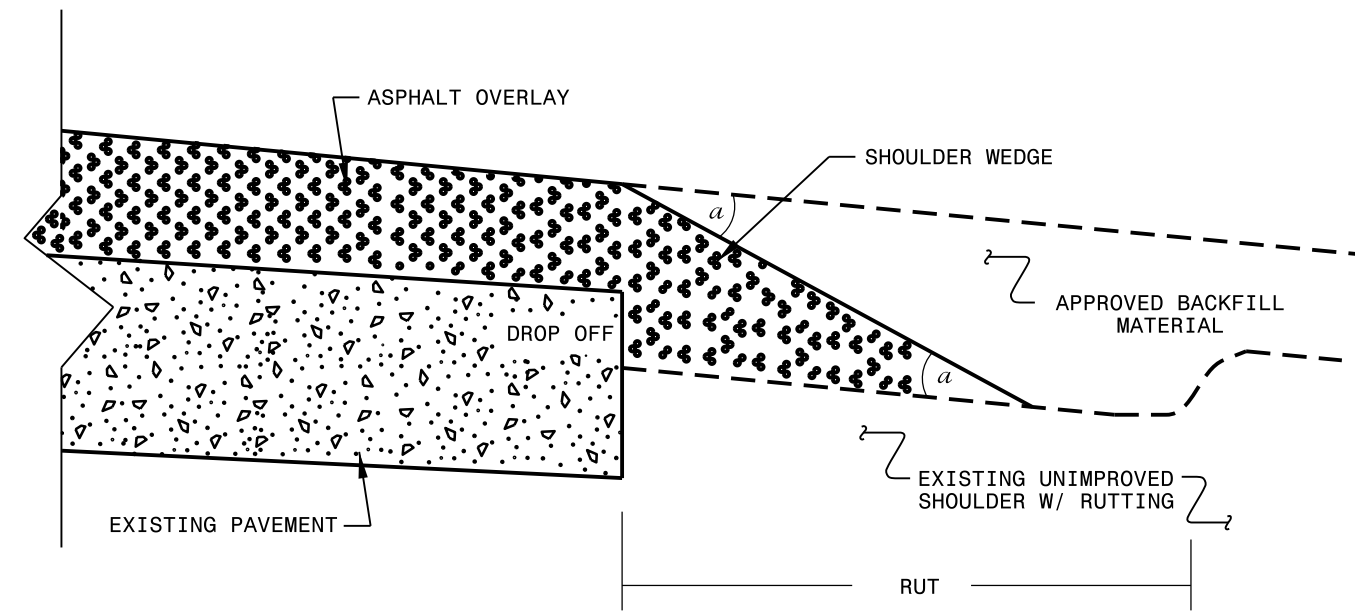
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT			
Office 919-707-6950		FAX 919-250-4119	
SHOULDER WEDGE DETAILS			
ORIGINAL BY: T.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 10/16/12		
CHECKED BY:	DATE:		
FILE SPEC.: susr/details/stand/shoulderwedgedetail.dgn			

SYSTEMS DESIGN USER NAME