

CONTRACT NO.: DA00211 WBS NO.: ICR.10941.11, ETC.

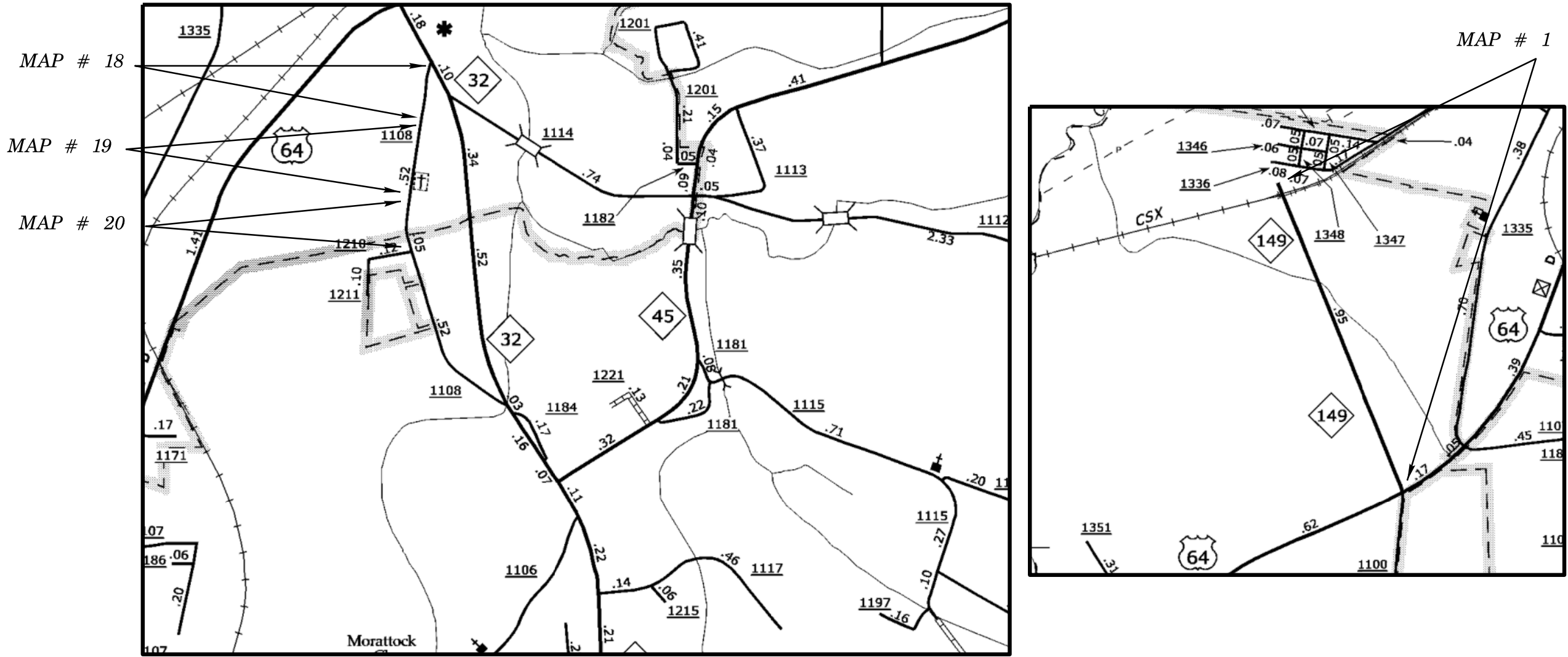


STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

WASHINGTON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10941.11, ETC.	1	11
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

LOCATION: MAP #1 NC 149 FROM US64 TO END MAINT. /MAP #18, 19, 20 SR1108 FROM NC32 TO SR1210
 TYPE OF WORK: RESURFACING



NOT TO SCALE

PROJECT LENGTH

MAP# 1 WBS#1CR.10941.11 = 1.03 MILES
 MAP# 18 WBS#1CR.20941.34 = 0.23 MILES
 MAP# 19 WBS#1CR.20941.34 = 0.15 MILES
 MAP# 20 WBS#1CR.20941.34 = 0.17 MILES

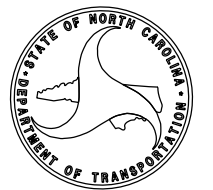
Prepared in the Office of:
DIVISION OF HIGHWAYS

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



CONTRACT NO.: DA00211 **WBS NO.: 1CR.10941.11, ETC.**

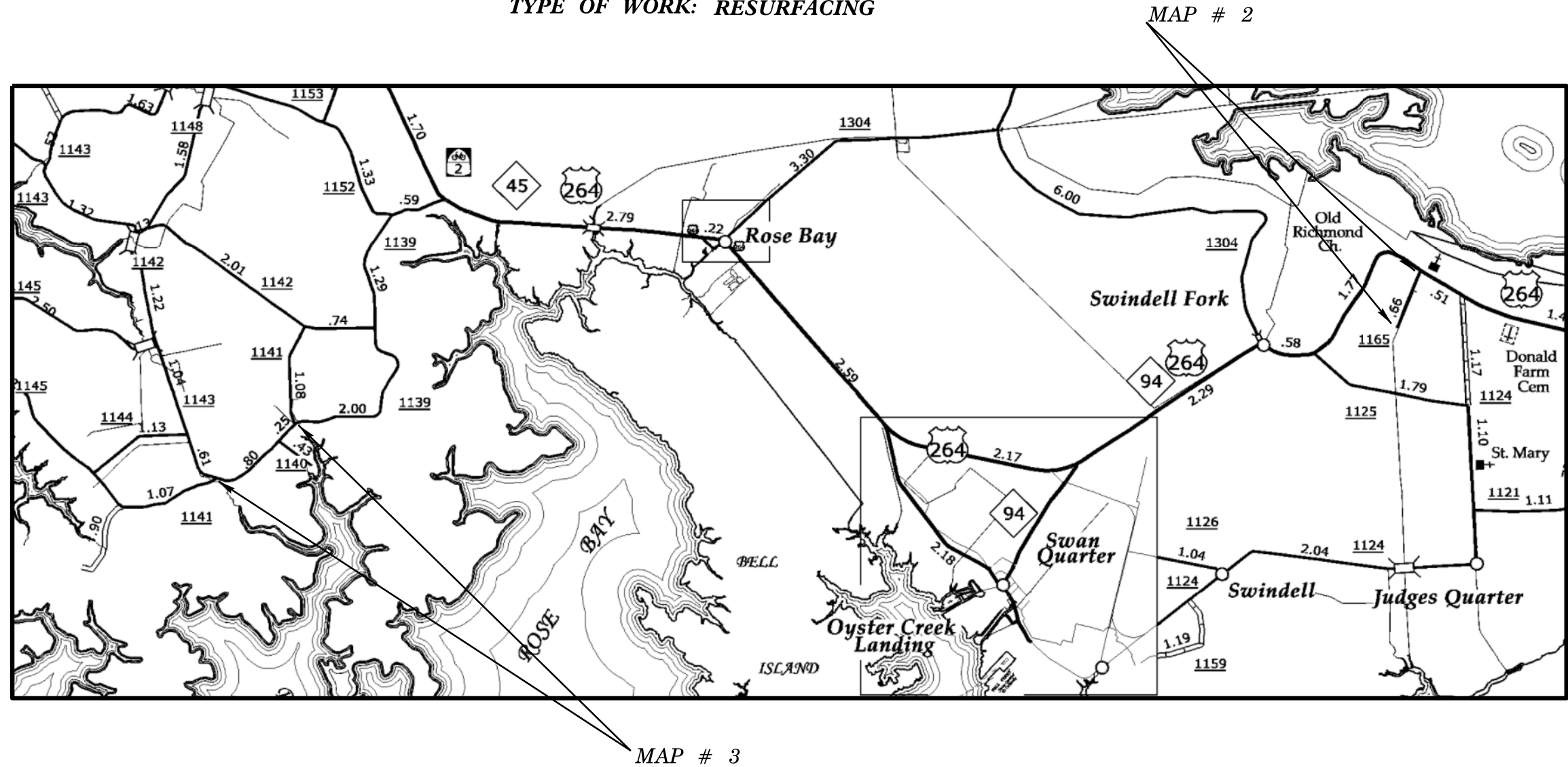


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HYDE COUNTY

STATE	STATE PROJECT REFERENCE NO.	SUBJECT NO.	TOTAL SHEETS
N.C.	1CR.10941.11, ETC.	2	11
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

LOCATION: MAP #2 SR 1165 FROM US264 TO DEAD END / MAP #3 SR1141 FROM SR1139 TO SR1143
TYPE OF WORK: RESURFACING



NOT TO SCALE

PROJECT LENGTH

MAP#2 WBS# 1CR.20481.65 = 0.63 MILES
MAP#3 WBS# 1CR.20481.66 = 1.07 MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS

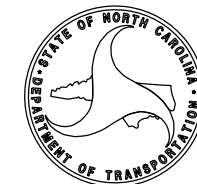
2012 STANDARD SPECIFICATIONS

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**



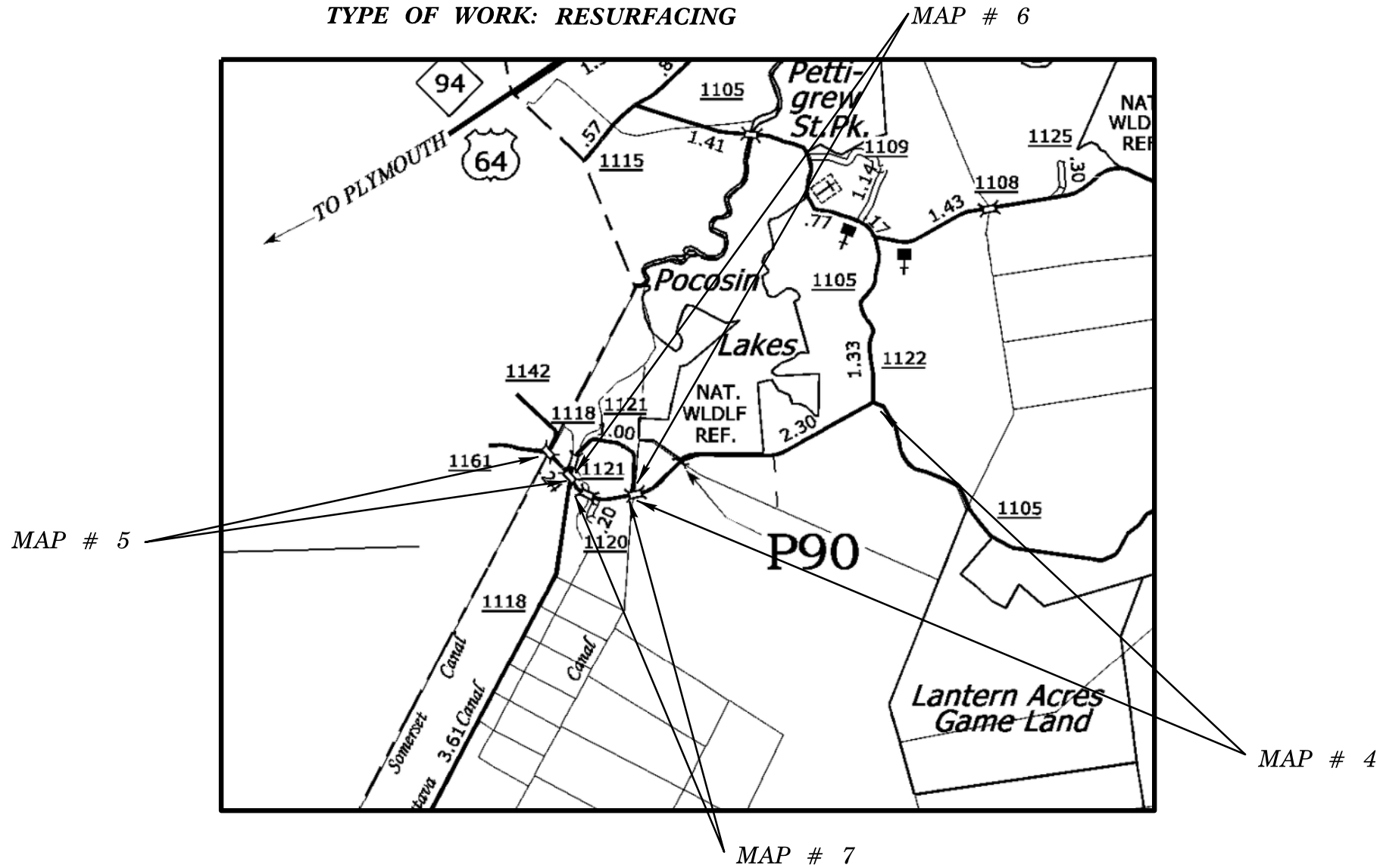
CONTRACT NO.: DA00211 WBS NO.: ICR.10941.11, ETC.



STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
TYRRELL COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10941.11, ETC.	3	11
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

LOCATION: MAP #4 SRII22 FROM SRII21 TO SRII05 /MAP #5 SRII18 FROM SRII21 TO WASHINGTON COUNTY LINE
 MAP #6 SRII21 FROM SRII18 TO SRII22 /MAP #7 SRII21 FROM SRII22 TO SRII18
TYPE OF WORK: RESURFACING



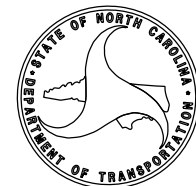
NOT TO SCALE

PROJECT LENGTH	
MAP#4 WBS# ICR.20891.30	= 2.06 MILES
MAP#5 WBS# ICR..20891.31	= 0.24 MILES
MAP#6 WBS# ICR.20891.32	= 1.00 MILES
MAP#7 WBS# ICR.20891.32	= 0.52 MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS

2012 STANDARD SPECIFICATIONS	W.B. HOBBS, P.E. DIVISION PROJECT MANAGER
LETTING DATE: SEPTEMBER 24, 2014	C.E. SLACHTA DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA



02-SEP-2014 13:43 C:\Users\slachta\Documents\Projects\DIVISION PROJECT WORKING FILES\District Three\DA00211Hyde, Tyrrell & Washington Co. Resurfacing (2015)\1 Pre-Bid Documents\DA00211 Plans.dgn slachta AT DICAD25701L

09/05/99

CONTRACT NO.: DA00211 **WBS NO.: ICR.10941.11, ETC.**

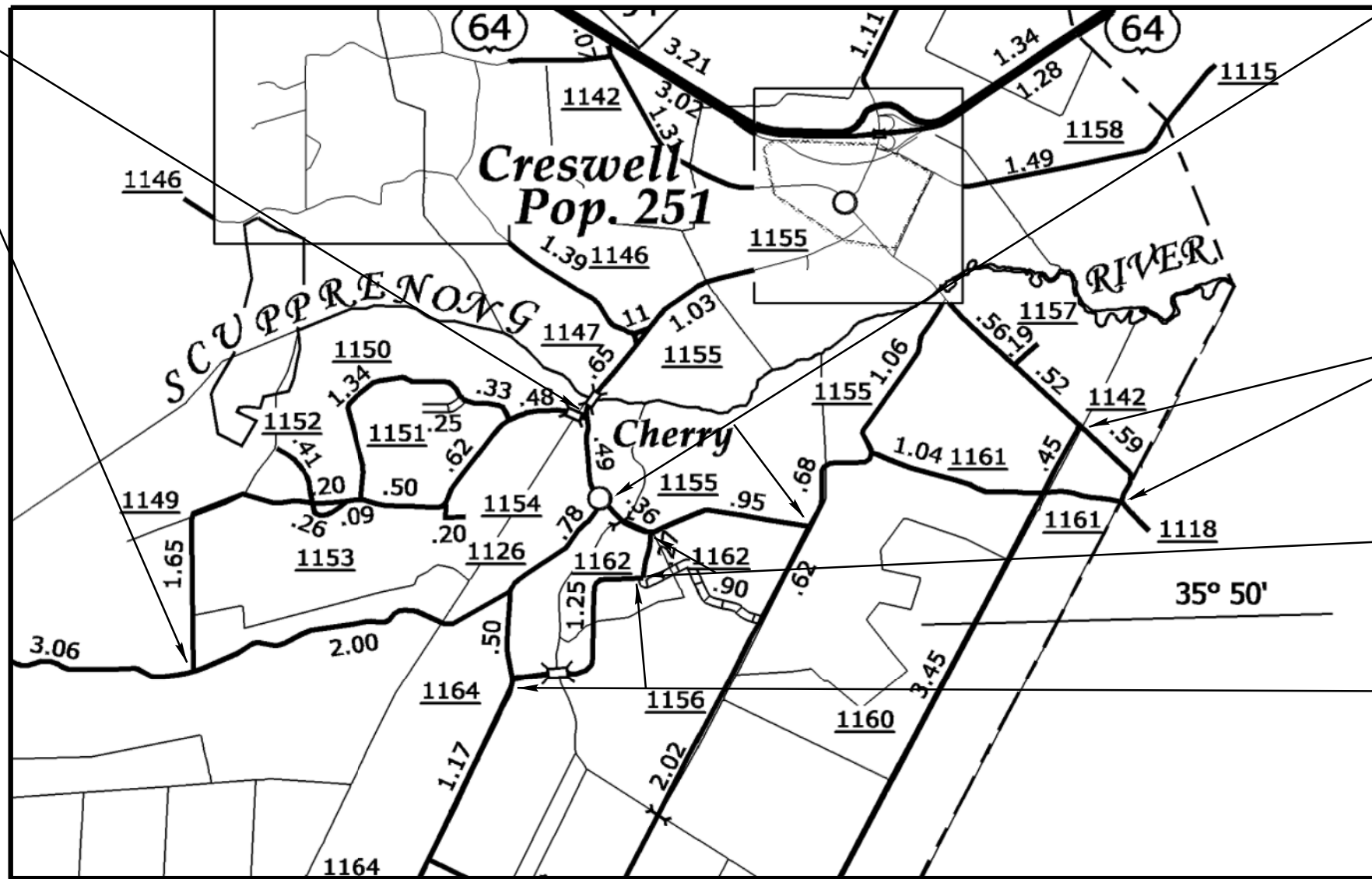


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WASHINGTON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10941.11, ETC.	4	11
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

LOCATION: MAP #8 SRI149 FROM SRI155 TO SRI126 /MAP #10 SRI163 FROM SRI164 TO SRI162 /MAP #12 SRI142 FROM SRI160 TO SRI118
MAP #15 SRI155 FROM SRI126 TO SRI156 /MAP #17 SRI162 FROM SRI163 TO SRI155
TYPE OF WORK: RESURFACING



NOT TO SCALE

PROJECT LENGTH

MAP#8 WBS# ICR.20941.24	=	3.50 MILES
MAP#10 WBS# ICR.20941.26	=	1.24 MILES
MAP#12 WBS# ICR.20941.28	=	0.60 MILES
MAP#15 WBS# ICR.20941.31	=	1.32 MILES
MAP#17 WBS# ICR.20941.33	=	0.30 MILES

Prepared In the Office of: DIVISION OF HIGHWAYS	
2012 STANDARD SPECIFICATIONS	W.B. HOBBS, P.E. DIVISION PROJECT MANAGER
LETTING DATE: SEPTEMBER 24, 2014	C.E. SLACHTA DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

02-SEP-2014 13:45 C:\N\CURRENT\PROJECTS\DIVISION PROJECT WORKING FILES\District Three\DA0021\Hyde, Tyrrell & Washington Co. Resurfacing (2015)\1 Pre-Bid Documents\DA0021\Plans.dgn

CONTRACT NO.: DA00211 **WBS NO.: ICR.10941.11, ETC.**

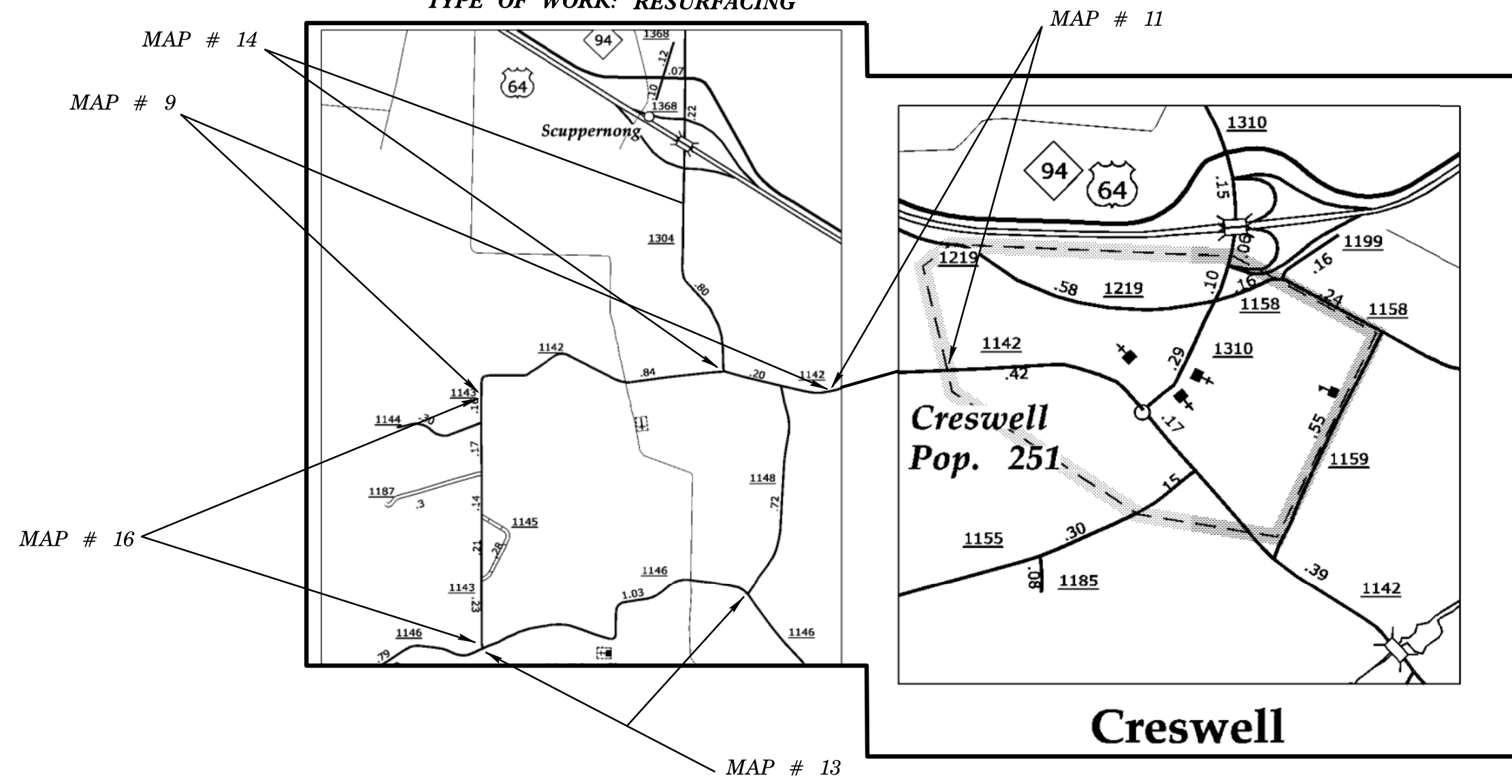


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WASHINGTON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	1CR.10941.1, ETC.	5	11
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

LOCATION: MAP #9 SRI142 FROM SRI143 TO SRI169 /MAP #11 SRI142 FROM CUL DE SAC TO CRESWELL C/L
 MAP #13 SRI146 FROM SRI143 TO SRI148 /MAP #14 SRI304 FROM SRI142 TO NEW PAVEMENT
 MAP #16 SRI143 FROM SRI142 TO SRI146
TYPE OF WORK: RESURFACING



NOT TO SCALE

PROJECT LENGTH	
MAP#9 WBS# 1CR.20941.25	= 2.01 MILES
MAP#11 WBS# 1CR.20941.27	= 1.45 MILES
MAP#13 WBS# 1CR.20941.29	= 1.10 MILES
MAP#14 WBS# 1CR.20941.30	= 0.60 MILES
MAP#16 WBS# 1CR.20941.32	= 0.80 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
---	---

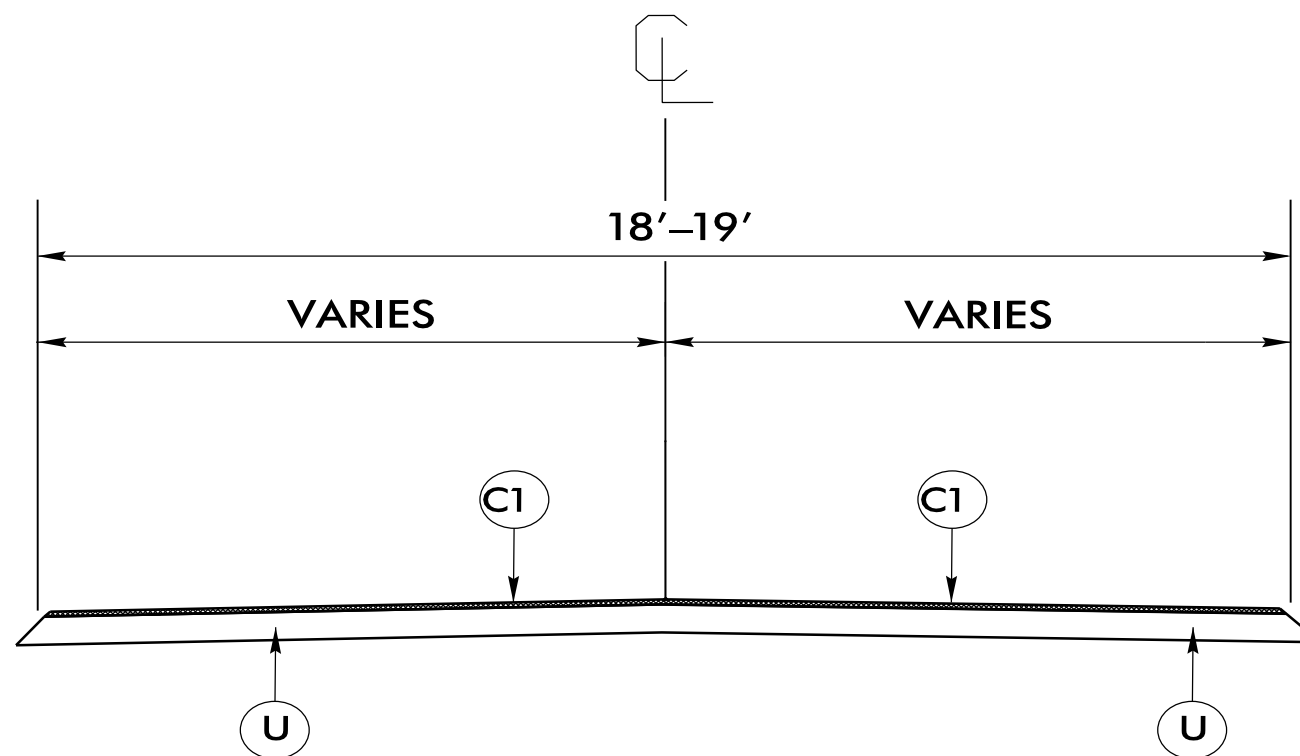
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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.10941.11, ETC.	6 OF 11

PAVEMENT SCHEDULE	
C1	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 #1

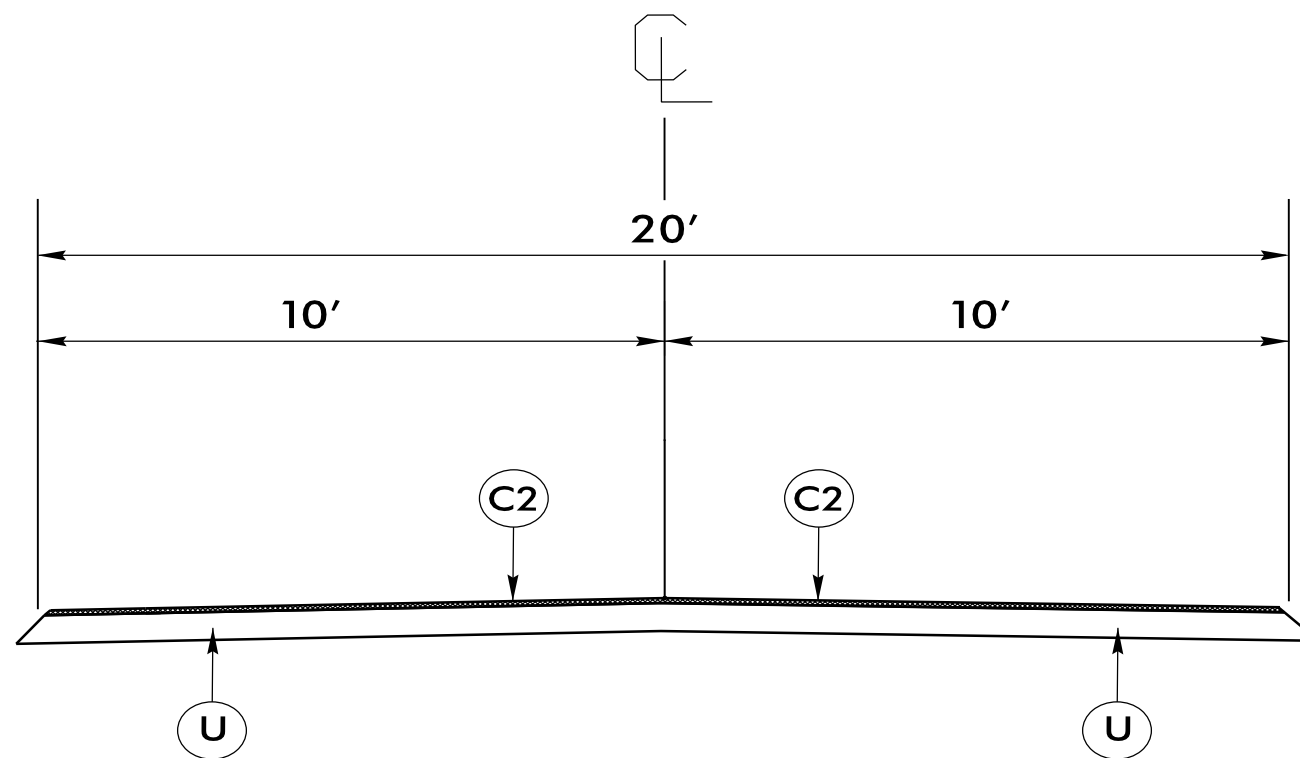
USE WITH MAPS 2, 3, 8, 9, 11 & 15

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.10941.11, ETC.	7 OF 11

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 #2

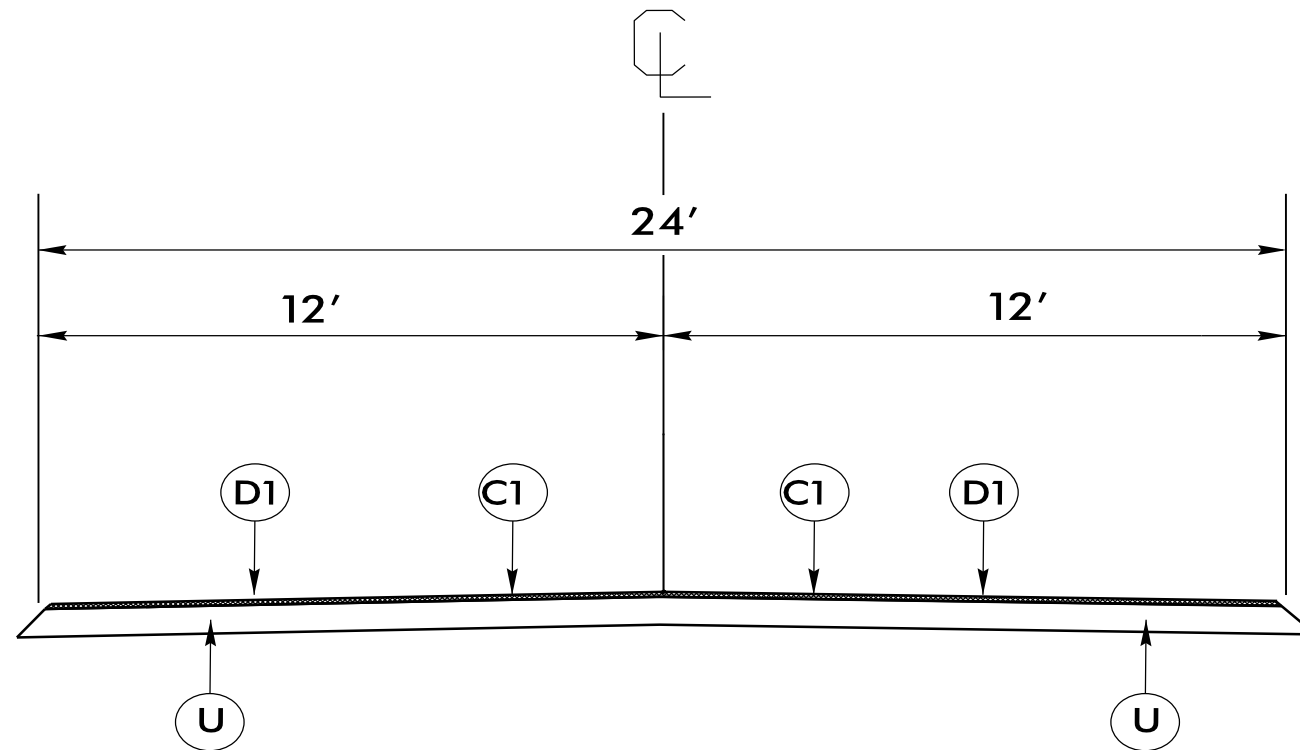
USE WITH MAPS 4, 5, 6, 7, 10, 12, 13, 14, 16 & 17

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.10941.11, ETC.	8 OF 11

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
D1	PROP. APPROX. 2.5" ASPHALT INTERMEDIATE COURSE TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ.YD.
U	EXISTING PAVEMENT.



TYPICAL SECTION #3

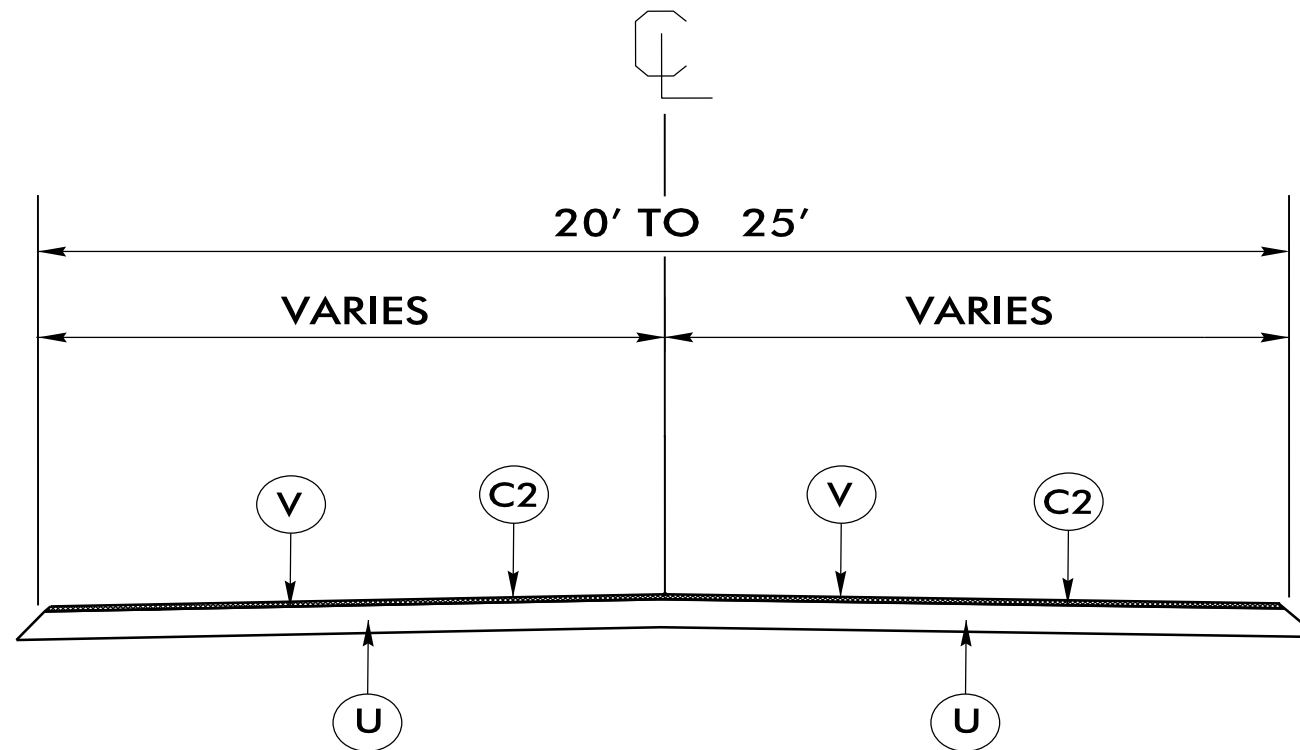
USE WITH MAP #1

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.10941.11, ETC.	9 OF 11

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



TYPICAL SECTION #4

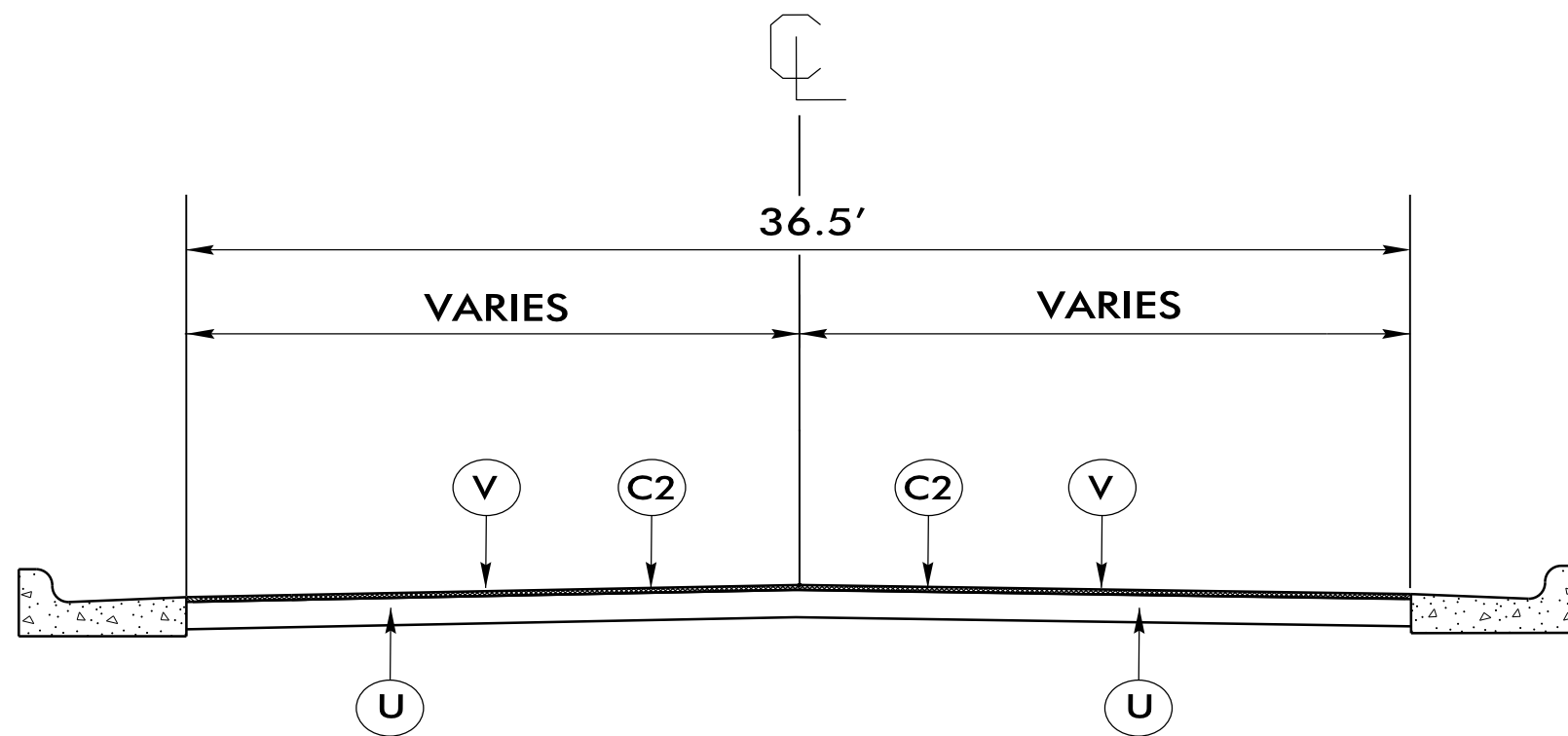
USE WITH MAPS #18 & #20

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.10941.11, ETC.	10 OF 11

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



TYPICAL SECTION #5

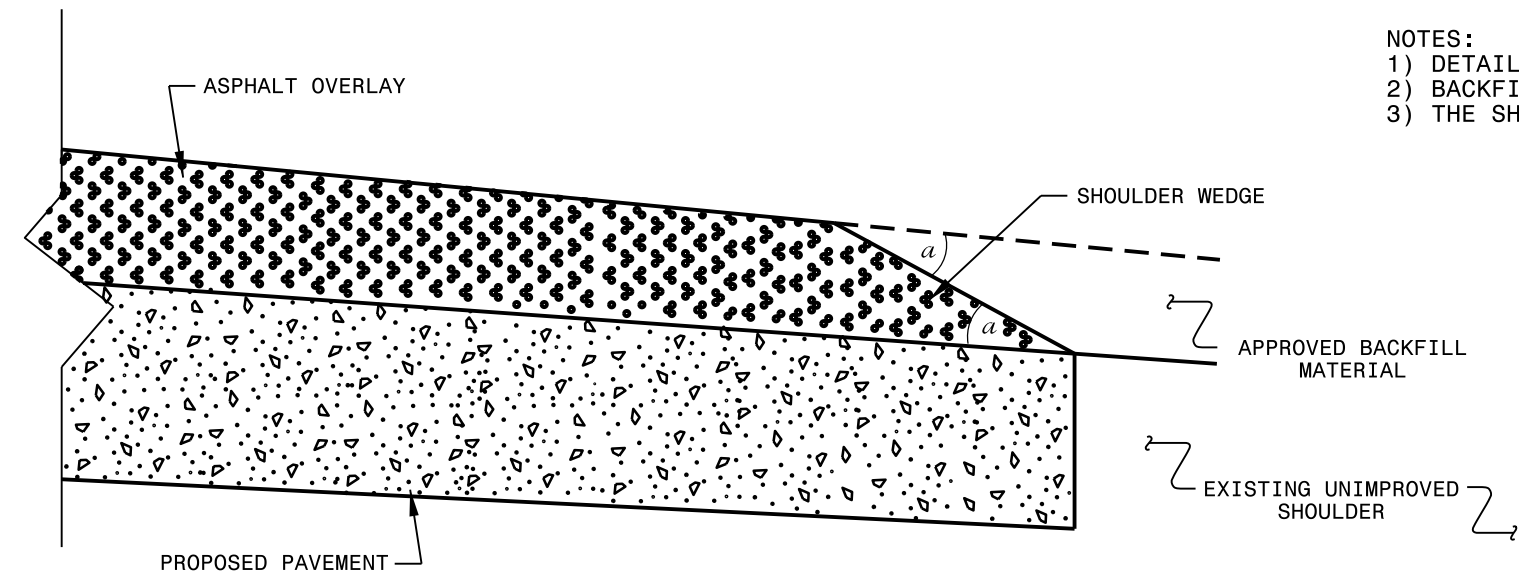
USE WITH MAP #19

PROJECT NO.	SHEET NO.	TOTAL NO.
1CR.10941.11, ETC.	11	11

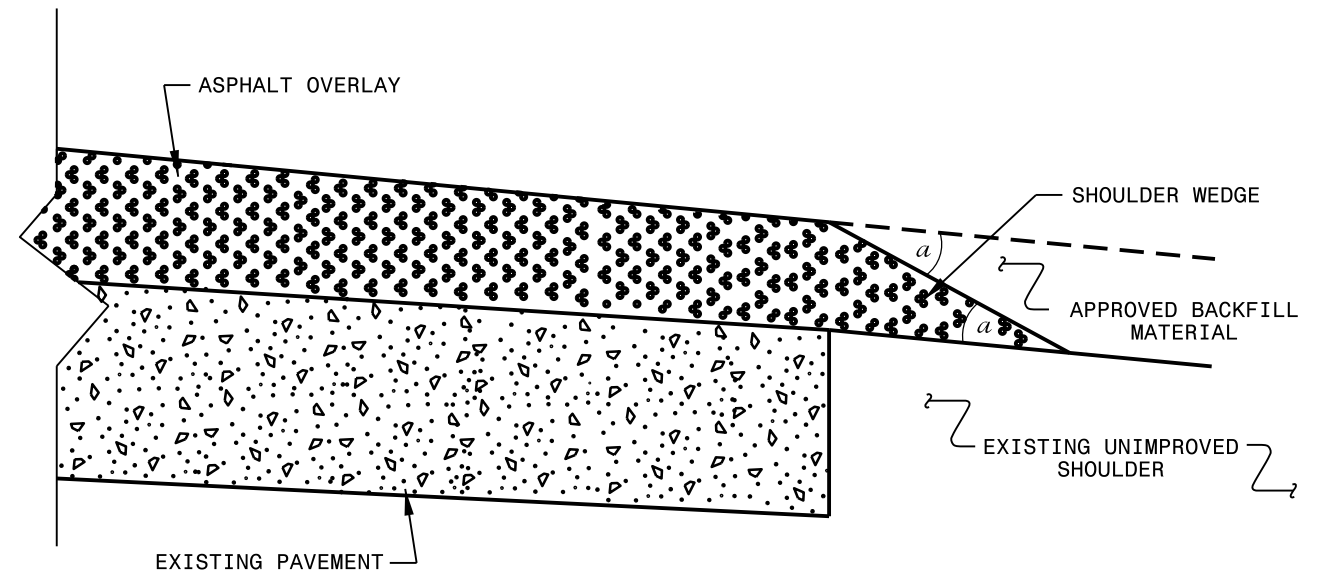
SUMMARY OF QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	MOBILIZATION	1½" MILLING	INCIDENTAL MILLING	SURFACE COURSE, 119.0B	SURFACE COURSE, S9.5B	SURFACE COURSE, SF9.5A	ASPHALT BINDER FOR PLANT MIX	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	TEMPORARY TRAFFIC CONTROL
NO		NO			NO				MI	FT	LUMP SUM	SY	SY	TONS	TONS	TONS	TONS	EA	EA	LS
1CR.10941.11	Washington	1	NC 149	FROM US 64 TO END MAINT.	3	2	NO	NO	1.03	24	1		225	2,425	1,446		203			1
1CR.20481.65	Hyde	2	SR 1165	FROM US 64 TO DEAD END	1	2	NO	NO	0.63	18	*		225			608	41			*
1CR.20481.66	Hyde	3	SR 1141	FROM SR 1139 TO SR 1143	1	2	NO	NO	1.07	18	*		225			1,033	69			*
1CR.20891.30	Tyrrell	4	SR 1122	FROM SR1121 TO 1105	2	2	NO	NO	2.06	20	*		725			2,207	148			*
1CR.20891.31	Tyrrell	5	SR 1118	FROM SR 1121 TO WASHINGTON COUNTY LINE	2	2	NO	NO	0.24	20	*		725			257	17			*
1CR.20891.32	Tyrrell	6	SR 1121	FROM SR 1118 TO SR1122	2	2	NO	NO	1	20	*		625			1,071	72			*
1CR.20891.32	Tyrrell	7	SR 1121	FROM SR 1122 TO SR 1118	2	2	NO	NO	0.52	20	*		625			557	37			*
1CR.20941.24	Washington	8	SR 1149	FROM SR 1155 TO SR 1126	1	2	NO	NO	3.5	18	*		725			3,377	226			*
1CR.20941.25	Washington	9	SR1142	FROM SR 1143 TO SR 1169	1	2	NO	NO	2.01	18	*		225			1,940	130			*
1CR.20941.26	Washington	10	SR 1163	FROM SR 1164 TO SR 1162	2	2	NO	NO	1.24	20	*		225			1,329	89			*
1CR.20941.27	Washington	11	SR 1142	FROM CUL DE SAC TO CRESWELL C/L	1	2	NO	NO	1.45	18	*		225			1,399	94			*
1CR.20941.28	Washington	12	SR 1142	FROM SR 1160 TO SR 1118	2	2	NO	NO	0.6	20	*		225			643	43			*
1CR.20941.29	Washington	13	SR 1146	FROM SR 1143 TO 1148	2	2	NO	NO	1.1	20	*		225			1,179	79			*
1CR.20941.30	Washington	14	SR 1304	FROM SR 1142 TO NEW PAVEMENT	2	2	NO	NO	0.6	20	*		225			643	43			*
1CR.20941.31	Washington	15	SR 1155	FROM SR 1126 TO SR 1156	1	2	NO	NO	1.32	19	*		225			1,344	90			*
1CR.20941.32	Washington	16	SR 1143	FROM SR 1142 TO SR 1146	2	2	NO	NO	0.8	20	*		225			857	57			*
1CR.20941.33	Washington	17	SR 1162	FROM SR 1163 TO SR 1155	2	2	NO	NO	0.3	20	*		225			321	22			*
1CR.20941.34	Washington	18	SR 1108	FROM NC 32 FOR TO BEG CURB AND GUTTER	4	2	NO	NO	0.23	25	*	3,373				308	21			*
1CR.20941.34	Washington	19	SR 1108	FROM FORM BEG CURB AND GUTTER TO END CURB AND GUTTER	5	2	NO	NO	0.15	36.5	*	3,212				292	20	7	2	*
1CR.20941.34	Washington	20	SR 1108	FORM END CURB AND GUTTER TO SR 1210	4	2	NO	NO	0.17	20	*	1,995				182	12			*
GRAND TOTAL									20.02		1	8,580	6,125	2,425	1,446	19,547	1,513	7	2	1

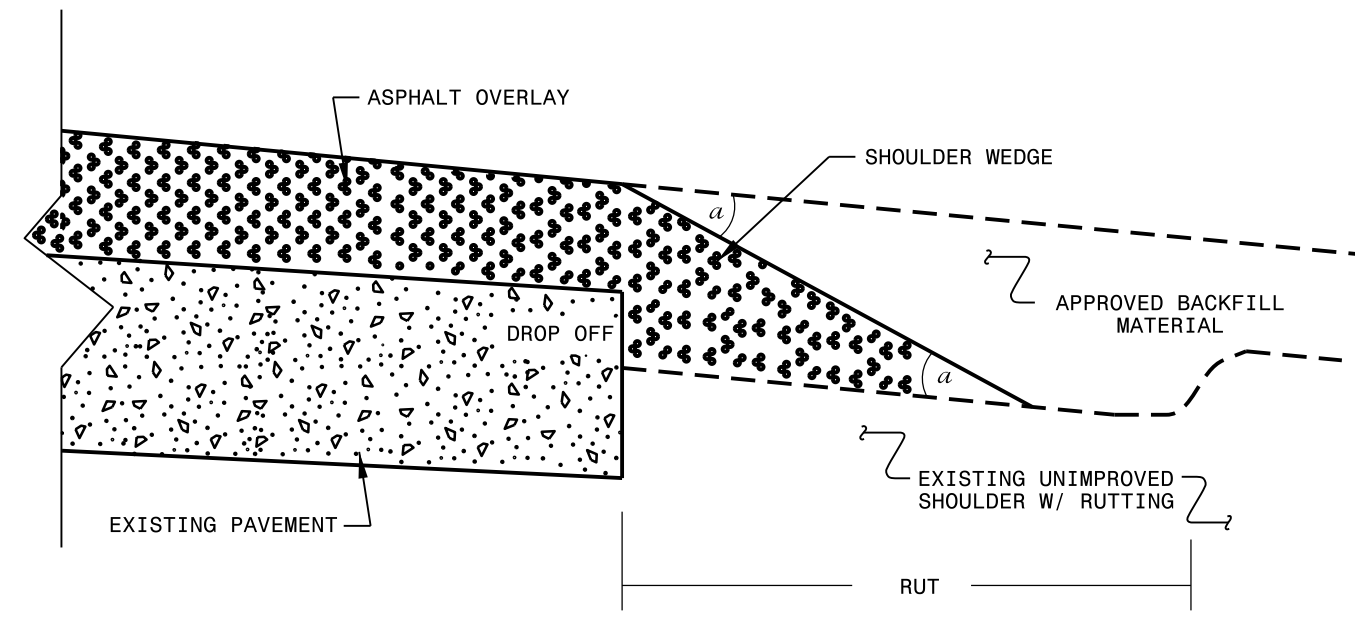
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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