048061, ETC.		STATE OF NORTH DIVISION OF HIGH HYDE COL	GHWAYS  WNTY  WORLD  THE STATE OF THE STATE	TATE STATE PROJECT REPRENCE NO. SHEET TOTAL SHEETS  N.C. 1C.048061, ETC. 1  STATE PROJECT REPRENCE NO. SHEETS  F.A.PROANO. DESCRIPTION
ENT: 1C.0	TYPI	MAP 5# SR 1311 FROM 5.0 MIN E OF WORK: RESURFACING AND PAVEMEN  SR 1311 MAP #5	LES NORTH OF US 264 FOR 1.5 M	SR 1311 MAP 1#
S ELEM	2			
WB.	LAKE			
NO.:	TAMUSI I ONAL FE REFUGE	KEET	Engelhard	Gibbs point
\$\$\$\$\$SYSTME\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	NOT TO SCALE	PROJECT LENGTH  MAP#1 WBS# 1C.048061 = 5.0 MILES  MAP#5 WBS# 1CR.20481.31 = 1.5 MILES	Prepared in the Office of: DIVISION OF HIGHWAYS  2012 STANDARD SPECIFICATIONS  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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ETC.		STATE OF NORTH CAROLINA  DIVISION OF HIGHWAYS  ———————————————————————————————————
061,		TYRRELL COUNTY
IC.048061,		LOCATION: MAP #2 SR 1229 FROM US 64 TO US 64  TYPE OF WORK: RESURFACING AND PAVEMENT MARKINGS
WBS ELEMENT:		Newfoundland  1229  1222
NO.:	SR 1229 MAP #2	BIG' SAVANNAH Alligator

STATE	STATE PROJECT REPERENCE NO.			NO.	SHEETS
N.C.	1C.04	18061, ETC.		2	
STATE F	PROL NO.	F. A. PROL NO.		DESCRIPT	1091
			L_		
			1		
			-		

PROJECT LENGTH

NOT TO SCALE

MAP#2 WBS# 1C.089032 = 5.3 MILES

2012 STANDARD SPECIFICATIONS

W.B. HOBBS, P.E.

DIVISION PROJECT MANAGER

C.E. SLACHTA

DIVISION PROPOSALS ENGINEER

Prepared in the Office of:
DIVISION OF HIGHWAYS

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA



.ETC. Title & Typicals.dgn g9/88/99 <b>048061, ETC.</b>		STATE OF NORTH DIVISION OF HIE  HYDE CO	IGHWAYS  WORLD  UNTY	STATE STATE PROJECT REFERENCE NO.  N.C. IC.048061, ETC.  STATE PROJ. NO.  F.A.PROA.NO.  DESCRIPTION
Resurfacing (Hyde & TyrrellCo.)\Plan Sheets\lc.04806i, BS ELEMENT: IC.	ТҮРЕ	OF WORK: MIILLING, RESURFACING AND		NC 45 MAP #3
ing Projects/Division NIC.04806 hydetyrre  NIC.04806 ,ETC.20 2 $NO.:$		Swan Gu		
7-00T-20115:36 incontracts/Contracts/Resurfacing/porter AT CSD237485  CONTRACT	NOT TO SCALE	PROJECT LENGTH	Prepared in the Office of:  DIVISION OF HIGHWAYS  2012 STANDARD SPECIFICATIONS  W.B. HOBBS, P.E.  DIVISION PROJECT MANAGER  C.E. SLACHTA  DIVISION PROPOSALS ENGINEER	DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

ELEMENT: IC.04806I, ETC.	LOC	STATE OF NORTH DIVISION OF HIGH HYDE COL  ATION: MAP # 4 SR 1110 FROM SR 1116 TO PE OF WORK: RESURFACING AND PAVEMEN	GHWAYS  WORTY  SR 1108
WBS E		1110 1110	17 04 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /1110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110 14 /110
r NO.:			
CI		PROJECT LENGTH	Prepared in the Office of: DIVISION OF HIGHW

STATE	STATE PROJECT REFERENCE NO.			NO.	SHERTS
N.C.	1C.048061, ETC.		4		
STATE P	ROJ. NO.	F. A. PROJ. NO.		DESCRIPT	70N
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			+-		

MAP#4 WBS# 1CR.20481.30 = 1.8 MILES

VAYS

2012 STANDARD SPECIFICATIONS

W.B. HOBBS, P.E.

DIVISION PROJECT MANAGER

C.E. SLACHTA

DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA



NOT TO SCALE

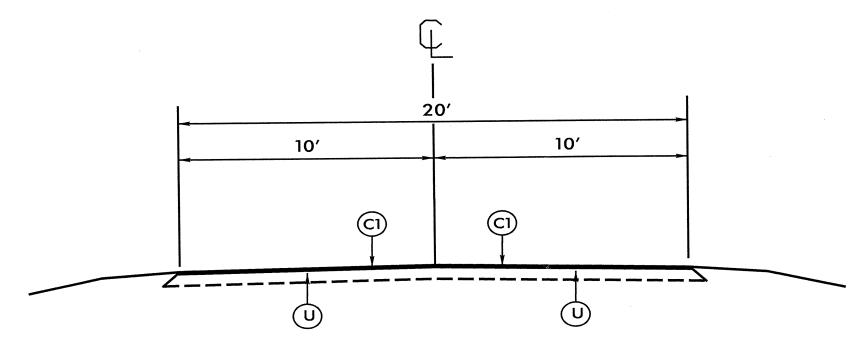
C.048061, ETC.		STATE OF NORTH DIVISION OF HIS  TYRRELL C	GHWAYS  OUNTY	N.C. IC.048061, ETC. 5  PTATE PROLNO. P.A.PROLNO. DESCRIPTION
ELEMENT: 1C.04	TYPE OF WORK:	MAP #6 SR 1214 FROM SR 1209 TO SR 121 MAP #7 SR 1110 FROM US 64 TO SR 1111 MAP #8 SR 1114 FROM SR 1113 TO SR 1115 WIDENING, RESURFACING AND PAVEMENT	5	SR 1214 MAP #6
WBS ELEA	Travis	SR 1114 MAP #8	Colored 1203 1203 1203 1200 1200 1200 1200 1200	1214 6CUIPPERNONS 1205 1205
NO.:	1239 1244 1246 1246 1306 1306	1235 6	1116 1118 SCUPPEF 1116 1118 SCUPPEF 1116 1118 1105 1105	1110
CT	Columbia	PROJECT LENGTH	Prepared in the Office of:  DIVISION OF HIGHWAYS	DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA
CONTRA	NOT TO SCALE	MAP#6 WBS# 1CR.20891.19 = 1.7 MILES MAP#7 WBS# 1CR.20891.20 = 1.0 MILES MAP#8 WBS# 1CR.20891.21 = .70 MILES	2012 STANDARD SPECIFICATIONS  W.B. HOBBS, P.E.  DIVISION PROJECT MANAGER  C.E. SLACHTA  DIVISION PROPOSALS ENGINEER	TRAMPORTAL OF TRAMPORTAL

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- 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. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
- 4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFENCE NO.	SHEET NO.
1C.048061,ETC.	6

	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

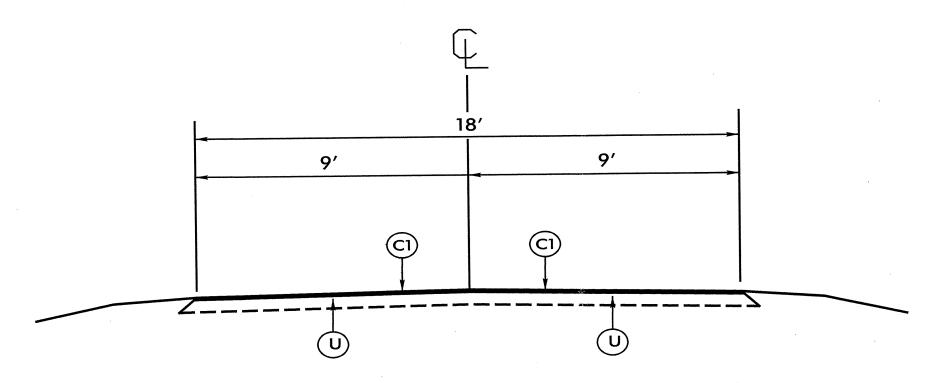


TYPICAL SECTION #1
USE WITH MAPS 1, 4 & 5

- 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. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
- 4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFENCE NO.	SHEET NO.
1C.048061, ETC.	7

	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



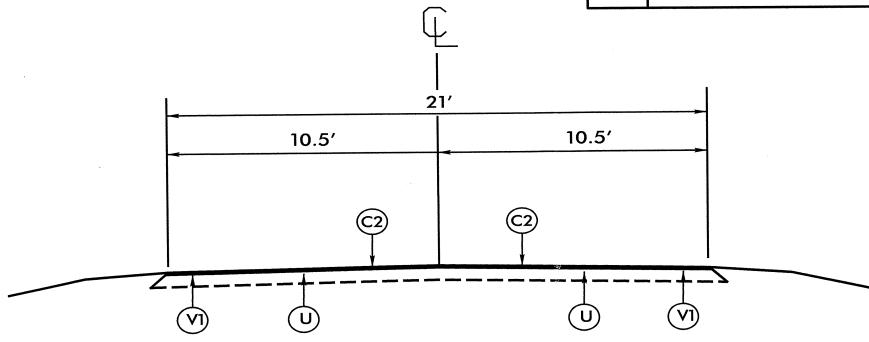
# TYPICAL SECTION #2

USE WITH MAPS 2 & 8

- 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. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
- 4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFENCE NO.	SHEET NO.	
1CR.048061, ETC.	8	

	PAVEMENT SCHEDULE
C2	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE TYPE \$9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ.YD.
V1	MILLING ASPHALT PAVEMENT DEPTH 2''
U	EXISTING PAVEMENT



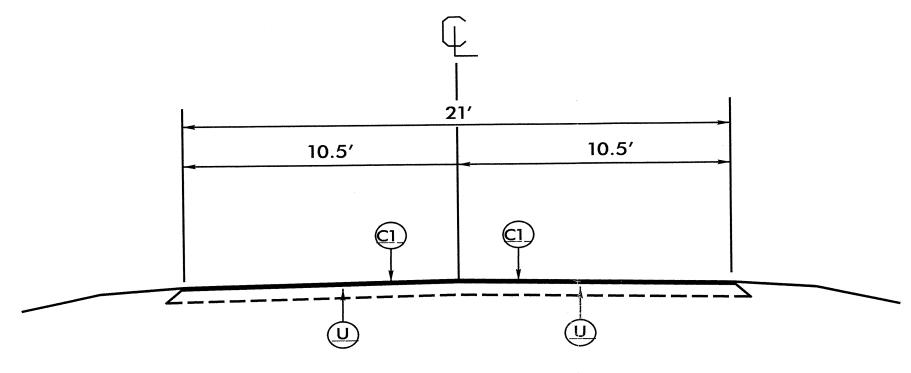
# TYPICAL SECTION #3

USE WITH MAP 3

- 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. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
- 4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFENCE NO.	SHEET NO.
1C.048061, ETC.	9

	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

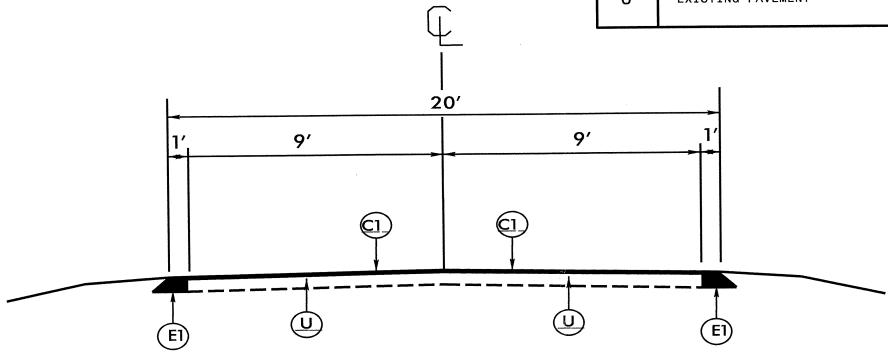


# TYPICAL SECTION #4 USE WITH MAP 6

- 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. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
- 4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFENCE NO.	SHEET NO.			
1C.048061, ETC.	10			

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE SF9.5A , AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
E1	PROP. APPROX. 5.5" ASPHALT CONCRETE SURFACE BASE TYPE B25.0 B , AT AN AVERAGE RATE OF 627 LBS. PER SQ.YD.
U	EXISTING PAVEMENT



# TYPICAL SECTION #5

USE WITH MAP 7

PROJECT NO.	SHEET NO.	TOTAL NO.
1C.048061, ETC.	11	

## SUMMARY OF QUANTITIES

PROJECT	COUNTY	МАР	ROUTE	DESCRIPTION	ТҮР	FINAL SURFACE TESTING REQUIRED	LENGTH	WIDTH	2" MILLING	BASE COURSE, B25.0B	SURFACE COURSE, S9.5B	SURFACE COURSE, SF9.5A	ASPHALT BINDER FOR PLANT MIX
NO		NO			NO		MI	FT	SY	TONS	TONS	TONS	TONS
1C.048061	Hyde	1	SR 1311	FROM US 264 TO 5.0 MILES NORTH	1	NO	5	20				5,357	359
1C.089032	Tyrrell	2	SR 1229	FROM US 64 TO US 64	2	NO	5.3	18				5,114	343
1CR.10481.10	Hyde	3	NC 45	FROM US 264 TO NC 94	3	NO	2	21	24,640		2,790		137
1CR.20481.30	Hyde	4	SR 1110	FROM SR 1116 TO SR 1108	1	NO	1.8	20	·			1,929	129
1CR.20481.31	Hyde	5	SR 1311	FROM 5.0 Miles NORTH OF US 264 FOR 1.5 MILES	1	NO	1.5	20				1,607	108
1CR.20891.19	Tyrrell	6	SR 1214	FROM SR 1209 TO SR 1216	4	NO	1.7	21				1,912	128
1CR.20891.20	Tyrrell	7	SR 1110	FROM US 64 TO SR 1111	5	NO	1	20		548		1,078	96
1CR.20891.21	Tyrrell	8	SR 1114	FROM SR 1113 TO SR 1115	2	NO	0.7	18				675	45
									-				
				GRAND TOTAL			19		24,640	548	2,790	17,672	1,345

## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT	COUNTY	МАР	ROUTE	DESCRIPTION	LENGTH	WIDTH	TEMPORARY TRAFFIC CONTROL	4" WHITE PAINT	4" YELLOW PAINT
NO		NO					LS	LF	LF
1C.048061	Hyde	1	SR 1311	FROM US 264 TO 5.0 MILES NORTH	5	20	*	107,600	66,000
1C.089032	Tyrrell	2	SR 1229	FROM US 64 TO US 64	5.3	18	*	114,056	69,960
1CR.10481.10	Hyde	3	NC 45	FROM US264 TO NC 94	2	21	*	43,040	26,400
1CR.20481.30	Hyde	4	SR 1110	FROM SR 1116 TO SR 1108	1.8	20	*	38,736	23,760
1CR.20481.31	Hyde	5	SR 1311	FROM 5.0 MILE NORTH OF US 264 FOR 1.5 MILES	1.5	20	*	32,280	19,800
1CR.20891.19	Tyrrell	6	SR 1214	FROM SR 1209 TO SR 1216	1.7	21	*	36,584	22,440
1CR.20891.20	Tyrrell	7	SR 1110	FROM US 64 TO SR 1111	1	18	*	21,520	13,200
1CR.20891.21	1CR.20891.21 Tyrrell 8 SR 1114 FROM SR 1113 TO SR 1115				0.7	18	*	15,064	9,240
GRAND TOTAL								408,880	250,800
OWN DOLL							1	6	59,680