

05/08/99

**CONTRACT NO. : DA00281 WBS ELEMENT: 2016CPT.01.18.20271.1, ETC**

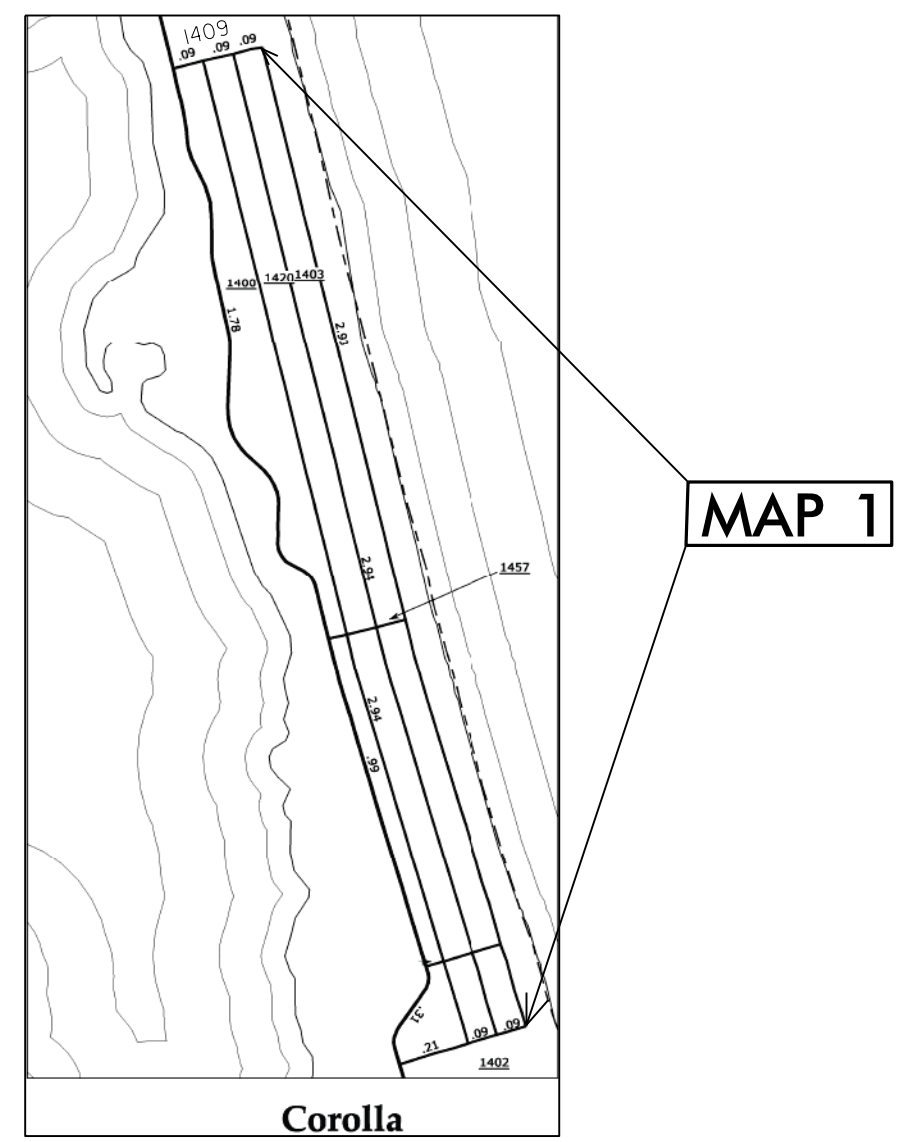
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**CURRITUCK COUNTY**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.01.18.20271.1, ETC	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2016CPT.01.18.20271.1		MAP 1	

**LOCATION: MAP 1 SR 1403 LIGHTHOUSE DRIVE FROM SR 1402 TO SR 1409**

**TYPE OF WORK: RESURFACING, PAVEMENT MARKINGS & SHOULDER RECONSTRUCTION**



**NTS**

**PROJECT LENGTH**

LENGTH OF ROADWAY PROJECT MAP 1 = 2.93 MI

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
113 Airport Dr., Edenton NC, 27932

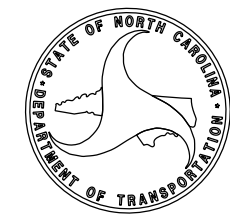
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C.E. SLACHTA  
DIVISION PROPOSALS ENGINEER

**DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA**



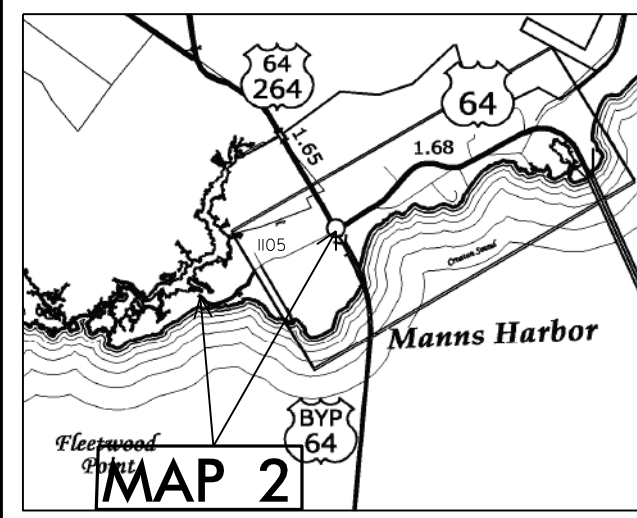
DRAWN BY: BJT

DRAWN BY: BJT 05/08/99

**CONTRACT NO.: DA00281 WBS ELEMENT: 2016CPT.01.18.20271.1, ETC**

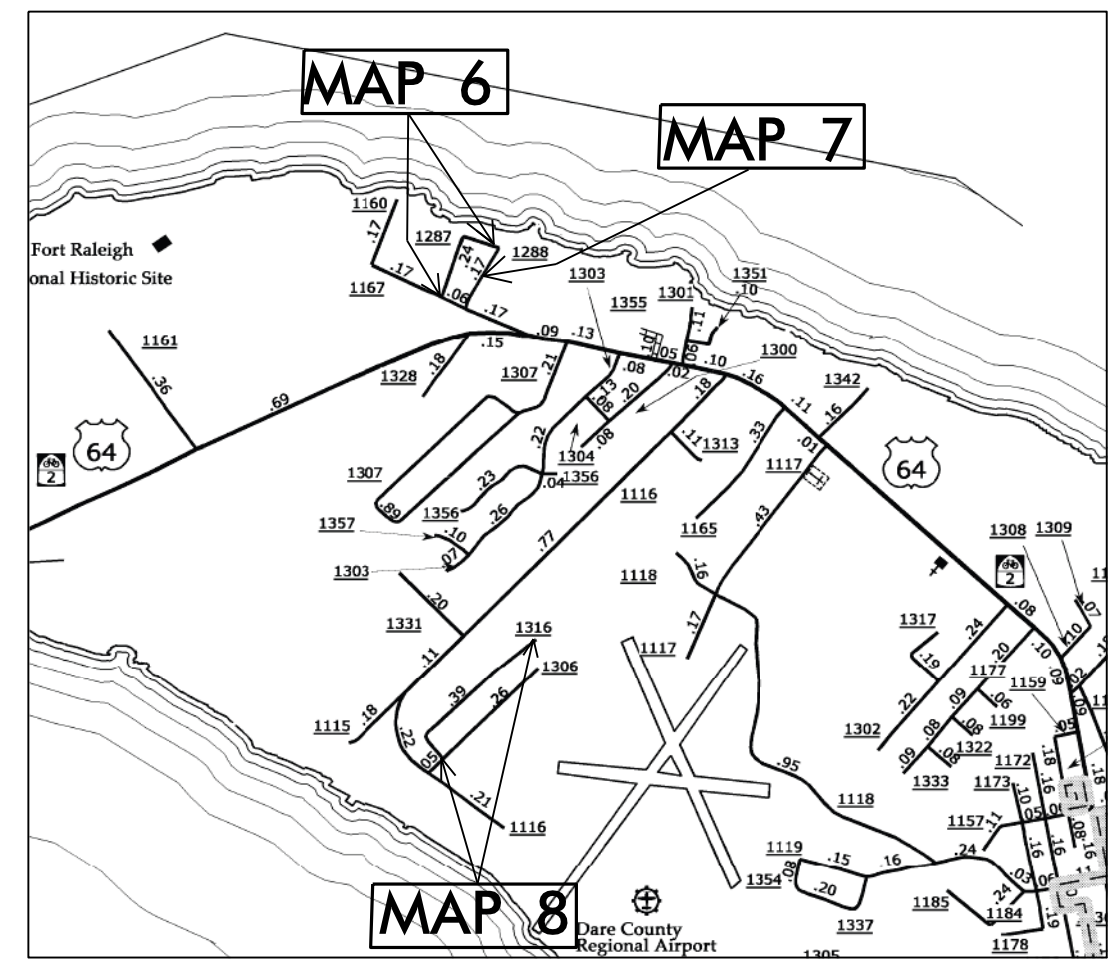
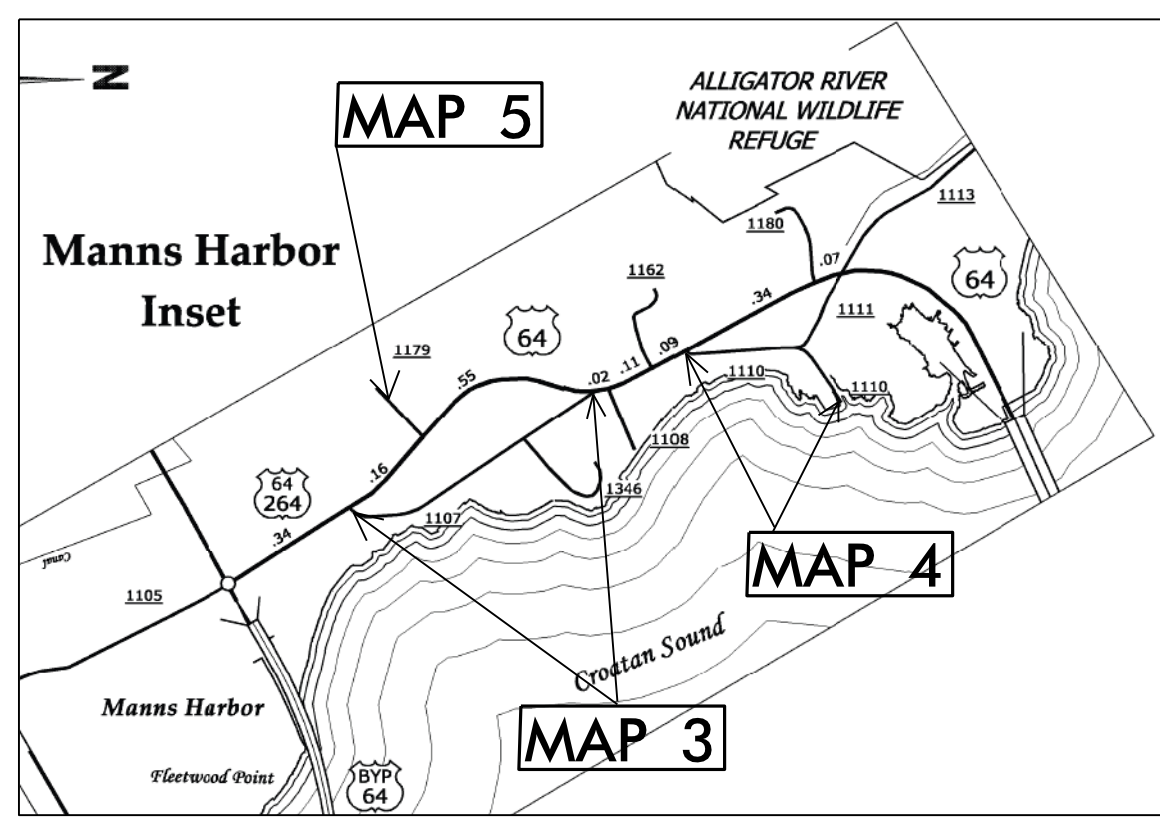
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**DARE COUNTY**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.01.18.20271.1, ETC	2	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2016CPT.01.18.20281.1		MAP 2	
2016CPT.01.18.20281.2		MAP 3	
2016CPT.01.18.20281.3		MAP 4	
2016CPT.01.18.20281.4		MAP 5	
2016CPT.01.18.20281.5		MAP 6	
2016CPT.01.18.20281.6		MAP 7	
2016CPT.01.18.20281.7		MAP 8	



- LOCATION:**
- MAP 2 SR 1105 SHIPYARD ROAD FROM US 64 TO DEAD END
  - MAP 3 SR 1107 OLD MANNS HARBOR RD FROM US 64 TO US 64
  - MAP 4 SR 1110 OLD FERRY DOCK RD FROM US 64 TO DEAD END
  - MAP 5 SR 1179 HIGHLAND DR FROM US 64 TO DEAD END
  - MAP 6 SR 1287 ALGONKIAN DR FROM SR 1167 TO SR 1288
  - MAP 7 SR 1288 CEDROW AVE FROM SR 1167 TO SR 1287
  - MAP 8 SR 1316 ROANOKE TRAIL FROM SR 1306 TO DEAD END

**TYPE OF WORK: RESURFACING, PAVEMENT MARKINGS & SHOULDER RECONSTRUCTION**



**NTS**

**PROJECT LENGTH**

LENGTH OF ROADWAY PROJECT MAP 2	= 1.20 MI
LENGTH OF ROADWAY PROJECT MAP 3	= 0.71 MI
LENGTH OF ROADWAY PROJECT MAP 4	= 0.45 MI
LENGTH OF ROADWAY PROJECT MAP 5	= 0.16 MI
LENGTH OF ROADWAY PROJECT MAP 6	= 0.24 MI
LENGTH OF ROADWAY PROJECT MAP 7	= 0.16 MI
LENGTH OF ROADWAY PROJECT MAP 8	= 0.40 MI

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
113 Airport Dr., Edenton NC, 27932

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2012 STANDARD SPECIFICATIONS

LETTING DATE: \_\_\_\_\_

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

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C.E. SLACHTA  
DIVISION PROPOSALS ENGINEER

**DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA**

05/08/99

**CONTRACT NO.: DA00281 WBS ELEMENT: 2016CPT.01.18.20271.1, ETC**

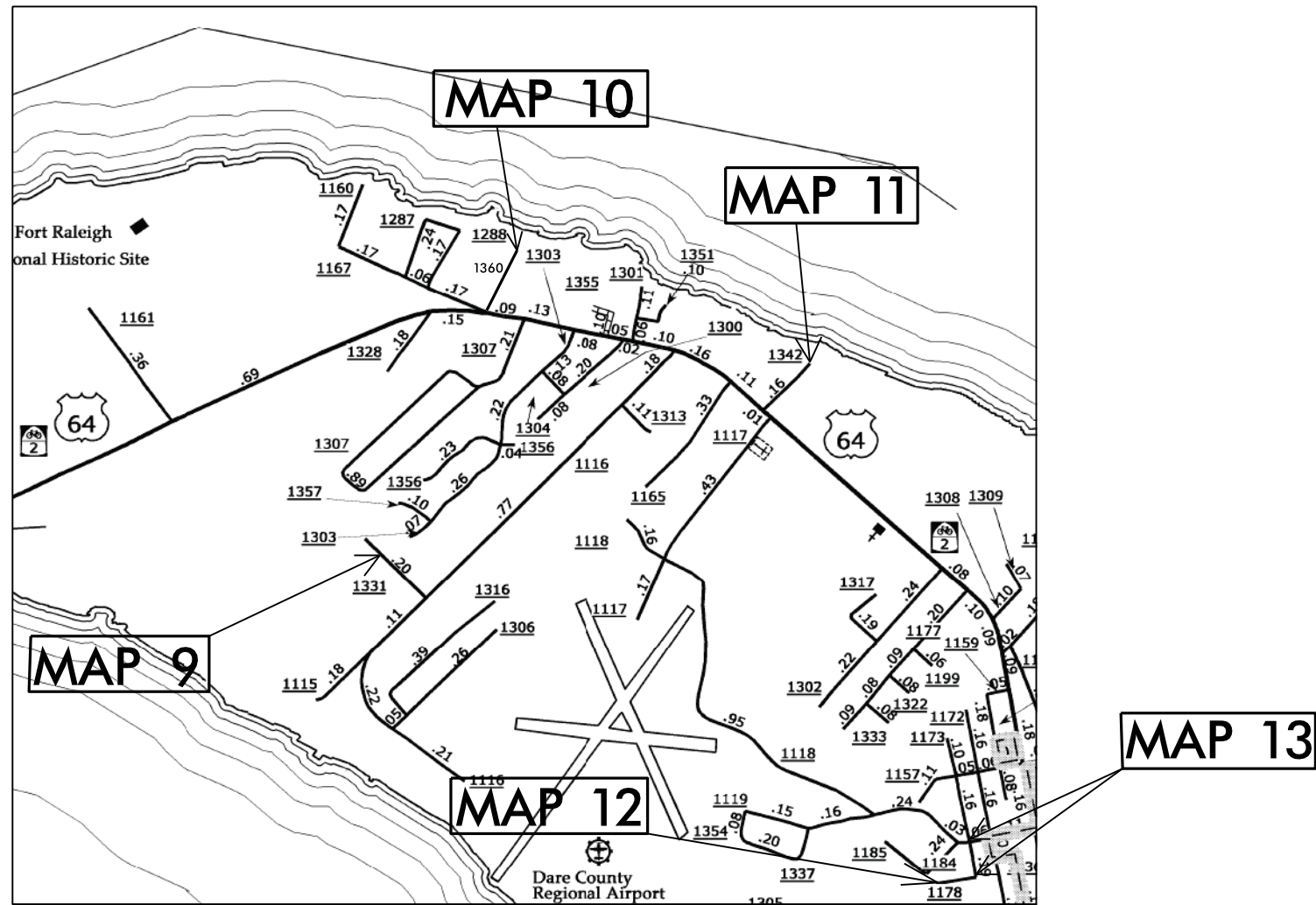
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**DARE COUNTY**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.01.18.20271.1, ETC	3	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2016CPT.01.18.20281.8		MAP 9	
2016CPT.01.18.20281.9		MAP 10	
2016CPT.01.18.20281.10		MAP 11	
2016CPT.01.18.20281.11		MAP 12	
2016CPT.01.18.20281.12		MAP 13	
2016CPT.01.18.20281.13		MAP 14	

**LOCATION: MAP 9 SR 1331 DAPHNE LANE FROM SR 1116 TO CUL-DE-SAC**  
**MAP 10 SR 1360 MORRISON GROVE FROM US 64 TO DEAD END**  
**MAP 11 SR 1342 ELIZABETH DRIVE FROM US 64 TO DEAD END**  
**MAP 12 SR 1178 BERNICE ST FROM SR 1173 TO END**  
**MAP 13 SR 1173 JACKSON ST EXT FROM SR 1178 TO SR 1118**

**TYPE OF WORK: RESURFACING, PAVEMENT MARKINGS & SHOULDER RECONSTRUCTION**



**NTS**

**PROJECT LENGTH**

LENGTH OF ROADWAY PROJECT MAP 9 = 0.21 MI  
 LENGTH OF ROADWAY PROJECT MAP 10 = 0.19 MI  
 LENGTH OF ROADWAY PROJECT MAP 11 = 0.16 MI  
 LENGTH OF ROADWAY PROJECT MAP 12 = 0.10 MI  
 LENGTH OF ROADWAY PROJECT MAP 13 = 0.25 MI

Prepared in the Office of:  
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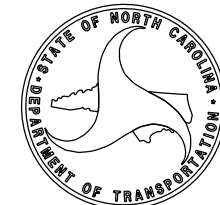
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C.E. SLACHTA  
 DIVISION PROPOSALS ENGINEER

**DIVISION OF HIGHWAYS**  
**STATE OF NORTH CAROLINA**



DRAWN BY: BJT

# C O N T R A C T P A V E M E N T S C H E D U L E

<b>C1</b>	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
<b>U</b>	EXISTING PAVEMENT
<b>T</b>	EARTH MATERIAL

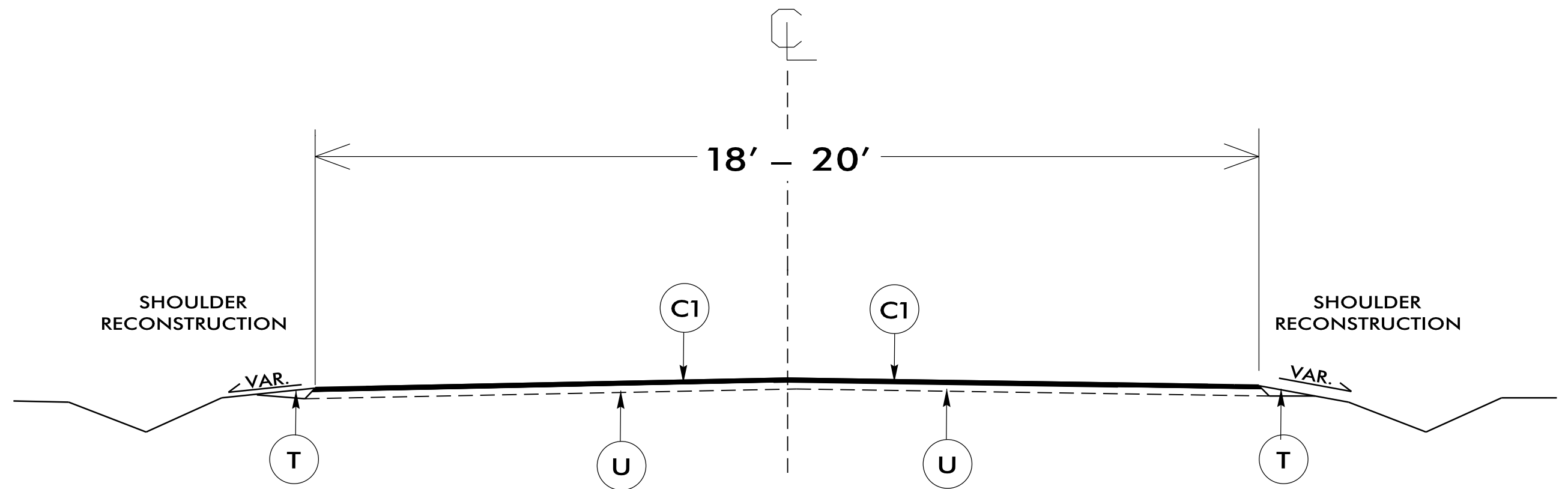
5/14/99

PROJECT REFERENCE NO.	SHEET NO.
2016CPT.01.18.20271.1, ETC	5

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
T	EARTH MATERIAL

NOTES:

- \*ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER
- \*EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES



# TYPICAL SECTION NO. 1

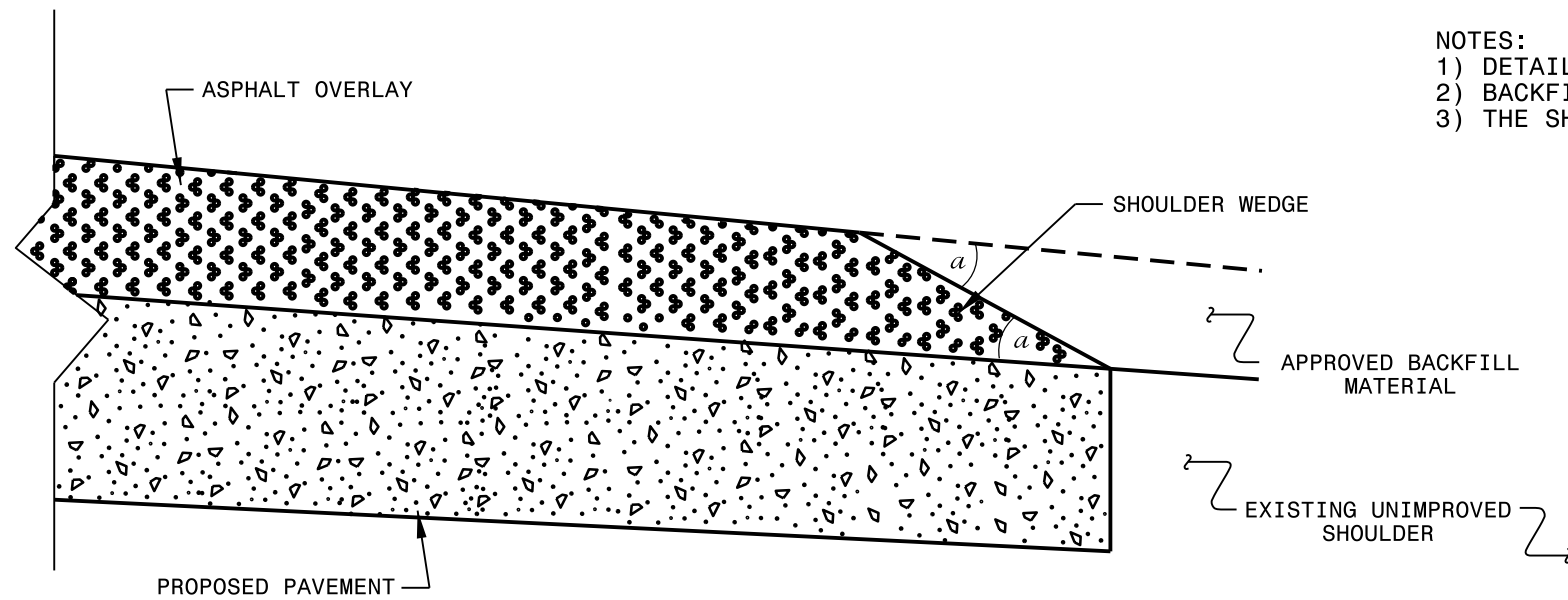
USE WITH MAPS 1 - 13

NTS

05056-2015 12:37  
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 Date Co. Secondary Resurfacing

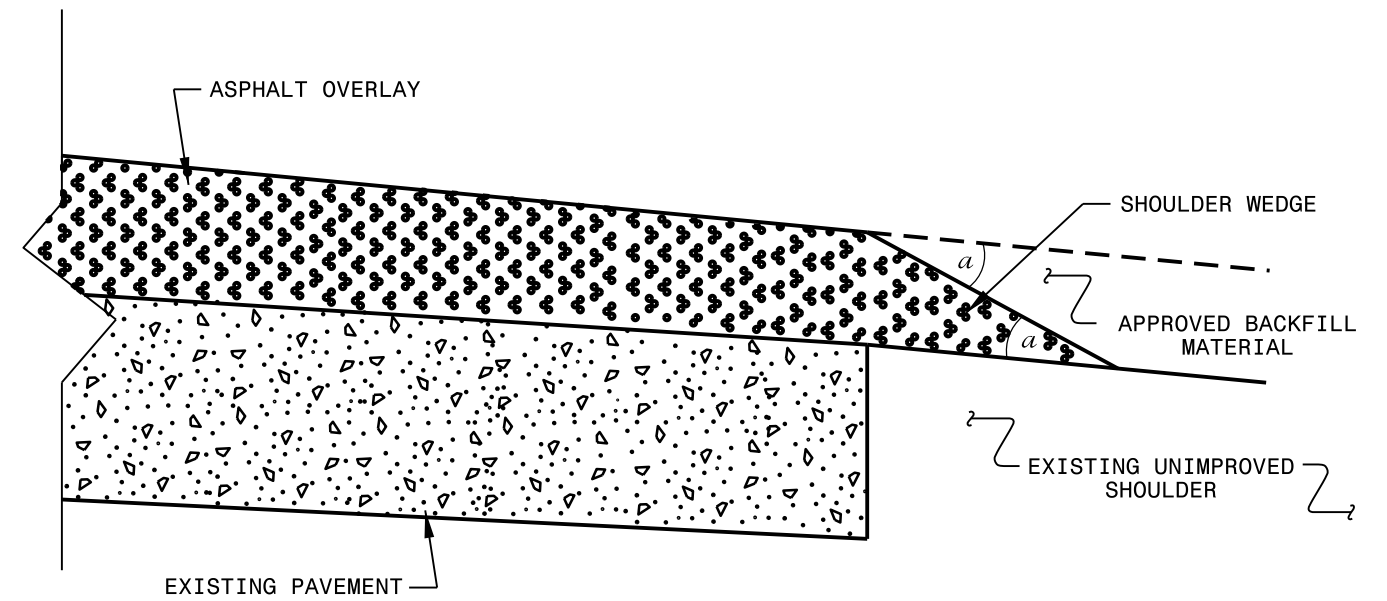
NOTES:

- 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.



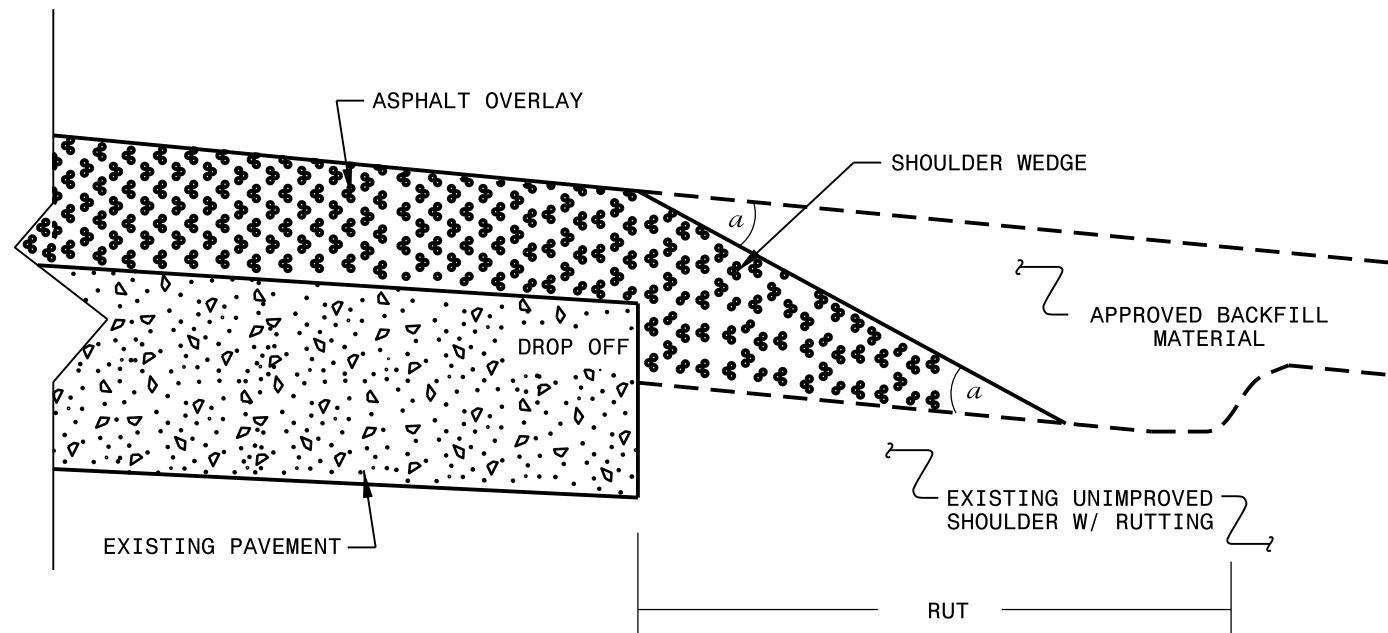
**SHOULDER WEDGE DETAIL**

(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)

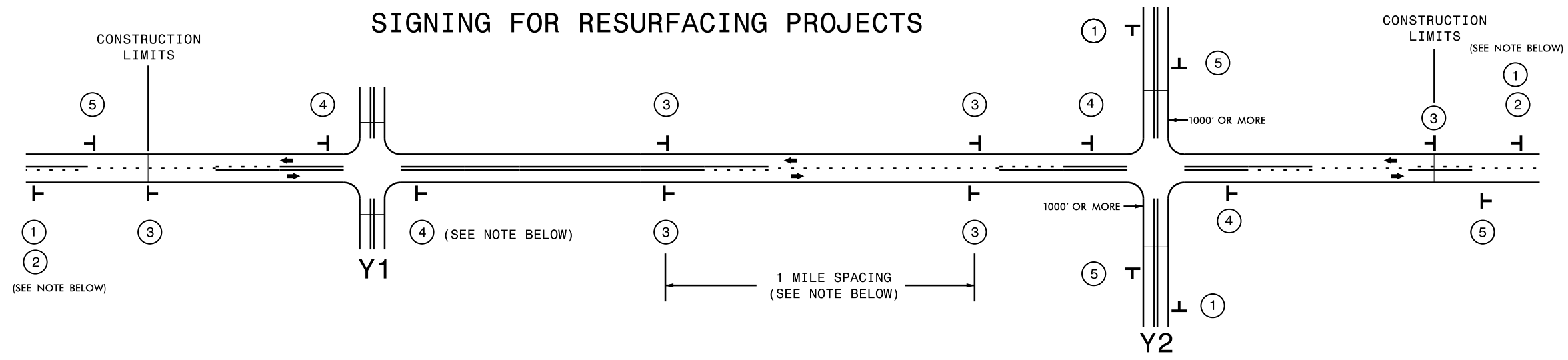
- SHOULDER WEDGE ANGLE = 30°

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.: s:\usr\details\stand\shoulderwedgedetail.dgn

## SIGNING FOR RESURFACING PROJECTS



LEGEND	
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW

### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	MAINLINE (-L-) SIGNING		-Y- LINE SIGNING		
	① ②	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> <li>LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>SUBDIVISION ROADS</li> <li>DEAD END ROADS</li> </ol>	
	③		<p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>	<p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p>	
	④		<p>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p>	<p>   </p> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>	
⑤		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>			

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 AT D:\CAD\20261



**RESURFACING  
 ADVANCE WARNING SIGNS  
 FOR  
 RURAL AND SUBURBAN  
 2 LANE ROADWAYS**

PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.01.18.20271.1, ETC.	8	

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	MOBILIZATION LS	BORROW CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	SURFACE COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	SEED & MULCHING AC	TEMPORARY TRAFFIC CONTROL LS	4" YELLOW PAINT LF	4" WHITE PAINT LF
2016CPT.01.18.20271.1	Currituck	1	SR 1403 LIGHTHOUSE DR FROM SR 1402 AND SR 1409	1	2	2WU	NO	NO	2.93	20	1	1,000	8	5.86	3,139	210	2		2.75	1	15,400	
2016CPT.01.18.20281.1	Dare	2	SR 1105 SHIPYARD ROAD FROM US 64 TO DEAD END	1	2	2WU	NO	NO	1.2	18	*	400	30	2.04	1,158	78		4,000	1.00	*	15,840	25,824
2016CPT.01.18.20281.2	Dare	3	SR 1107 OLD MANN'S HARBOR RD FROM US 64 TO US 64	1	2	2WU	NO	NO	0.71	20	*	250	20	1.31	761	51		1,000	0.75	*	9,372	15,279
2016CPT.01.18.20281.3	Dare	4	SR 1110 OLD FERRY DOCK ROAD FROM US 64 TO DEAD END	1	2	2WU	NO	NO	0.45	18	*	320	10	0.84	434	29			0.50	*	5,940	9,684
2016CPT.01.18.20281.4	Dare	5	SR 1179 HIGHLAND DR FROM US 64 TO DEAD END	1	2	2WU	NO	NO	0.16	20	*	40	10	0.31	171	11			0.19	*		
2016CPT.01.18.20281.5	Dare	6	SR 1287 ALGONKIAN DR FROM SR 1167 TO SR 1288	1	2	2WU	NO	NO	0.24	19	*	80	2	0.51	244	16			0.31	*		
2016CPT.01.18.20281.6	Dare	7	SR 1288 CEDROW AVE FROM SR 1167 TO SR 1287	1	2	2WU	NO	NO	0.16	20	*	40	2	0.32	171	11			0.20	*		
2016CPT.01.18.20281.7	Dare	8	SR 1316 ROANOKE TRAIL FROM SR 1306 TO DEAD END	1	2	2WU	NO	NO	0.4	20	*	160	10	0.79	429	29			0.50	*		
2016CPT.01.18.20281.8	Dare	9	SR 1331 DAPHNE LANE FROM SR 1116 TO CUL-DE-SAC	1	2	2WU	NO	NO	0.21	20	*	40	2	0.40	225	15			0.25	*		
2016CPT.01.18.20281.9	Dare	10	SR 1360 MORRISON GROVE FROM US 64 TO DEAD END	1	2	2WU	NO	NO	0.19	20	*	40	10	0.38	204	14			0.25	*		
2016CPT.01.18.20281.10	Dare	11	SR 1342 ELIZABETH DR FROM US 64 TO DEAD END	1	2	2WU	NO	NO	0.16	20	*	40	10	0.32	171	11			0.25	*		
2016CPT.01.18.20281.11	Dare	12	SR 1178 BERNICE ST FROM SR1173 TO END	1	2	2WU	NO	NO	0.1	20	*	40	10	0.20	107	7			0.10	*		
2016CPT.01.18.20281.12	Dare	13	SR 1173 JACKSON ST EXT FROM SR 1178 TO SR 1118	1	2	2WU	NO	NO	0.25	20	*	100	10	0.50	292	20			0.20	*		
<b>GRAND TOTAL</b>									<b>7.16</b>		<b>1</b>	<b>2,550</b>	<b>134</b>	<b>13.78</b>	<b>7,506</b>	<b>502</b>	<b>2</b>	<b>5,000</b>	<b>7.25</b>	<b>1</b>	<b>46,552</b>	<b>50,787</b>