

05/08/99

WBS ELEMENT: 2017CPT.01.02.20661.1

CONTRACT NO.: DA00301

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NORTHAMPTON COUNTY

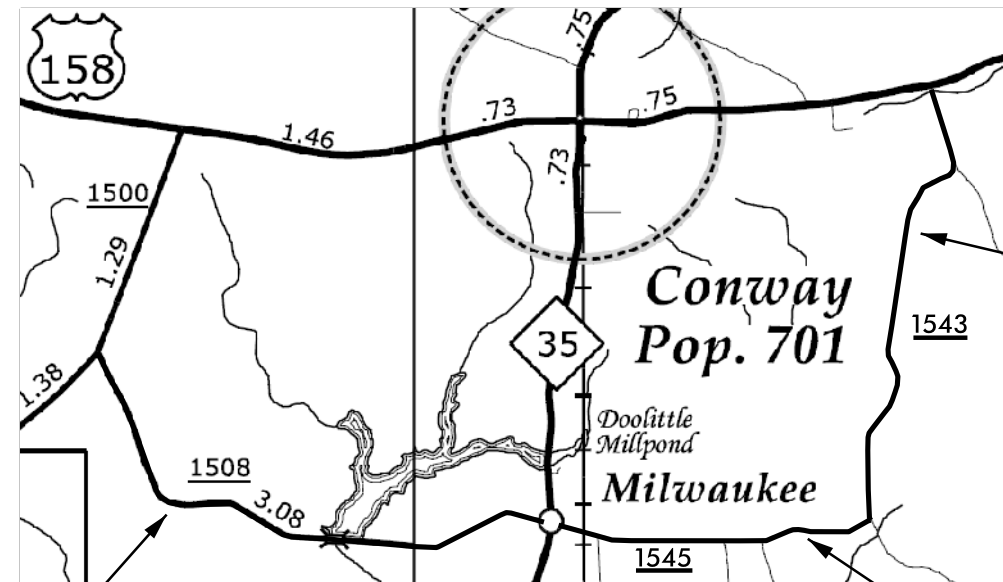
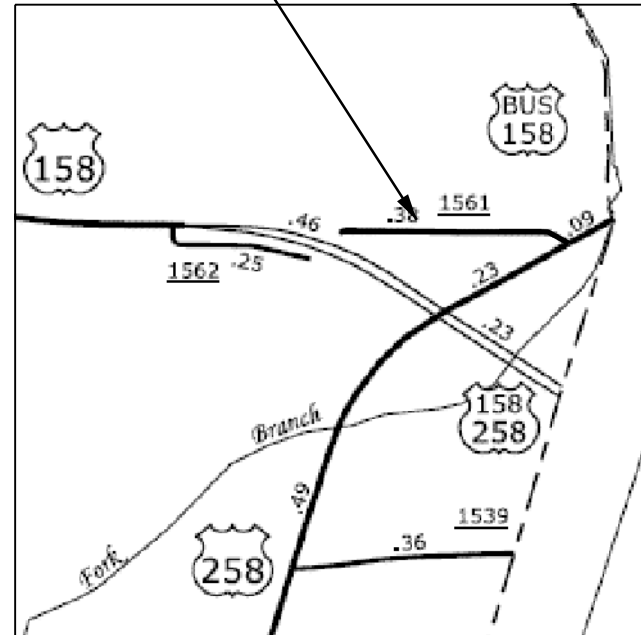
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2017CPT.01.02.20661.1	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2017CPT.01.02.20661.1		MAPS 1 - 6	

LOCATION: MAP 1 SR 1561 FROM US 158 BUS TO END
 MAP 2 SR 1333 FROM NC 35 TO SR 1334
 MAP 3 SR 1543 FROM US 158 TO SR 1545
 MAP 4 SR 1545 FROM NC 35 TO SR 1543
 MAP 5 SR 1508 FROM NC 35 TO SR 1500
 MAP 6 SR 1550 FROM US 258 TO END

TYPE OF WORK: RESURFACING

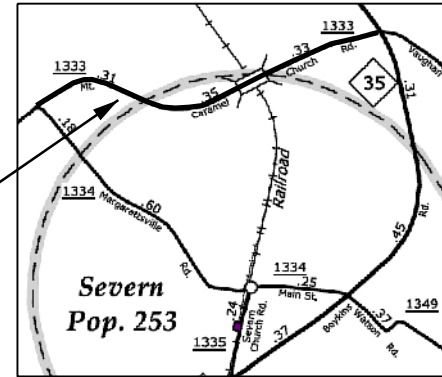


MAP 1

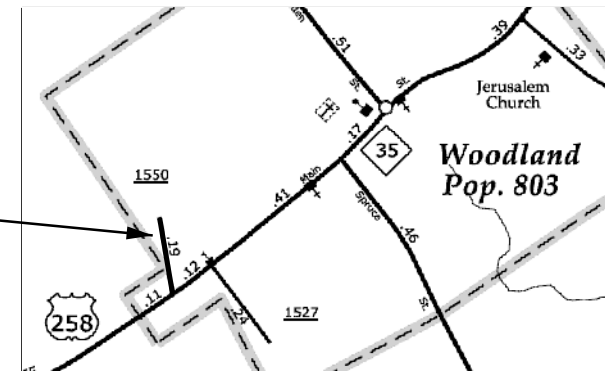


MAP 3

MAP 2



MAP 5



MAP 6

MAP 4

NTS

PROJECT LENGTH	
LENGTH OF ROADWAY PROJECT MAP 1 =	0.44 MI.
LENGTH OF ROADWAY PROJECT MAP 2 =	0.98 MI.
LENGTH OF ROADWAY PROJECT MAP 3 =	2.50 MI.
LENGTH OF ROADWAY PROJECT MAP 4 =	1.75 MI.
LENGTH OF ROADWAY PROJECT MAP 5 =	3.05 MI.
LENGTH OF ROADWAY PROJECT MAP 6 =	0.16 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

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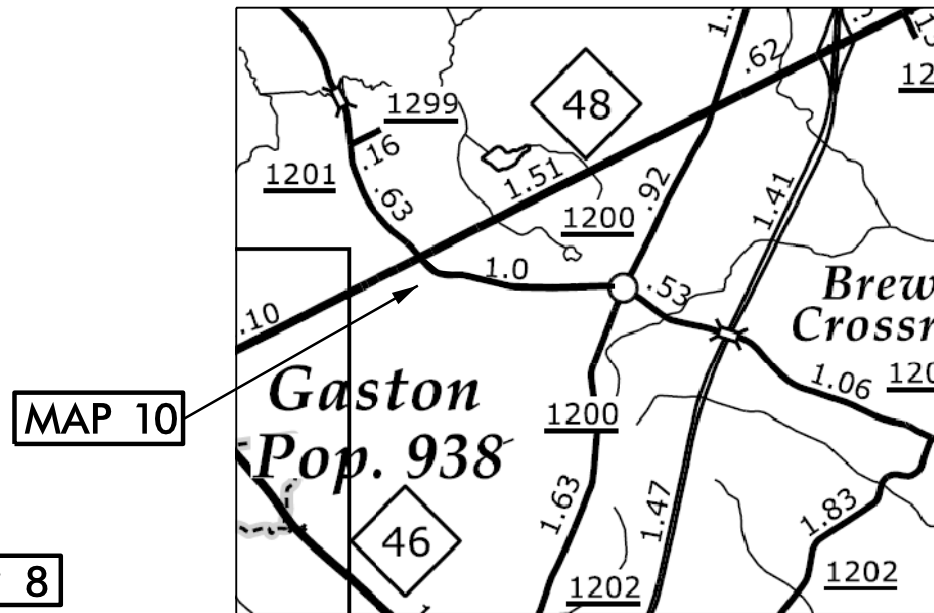
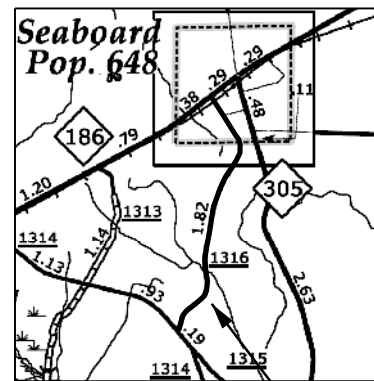
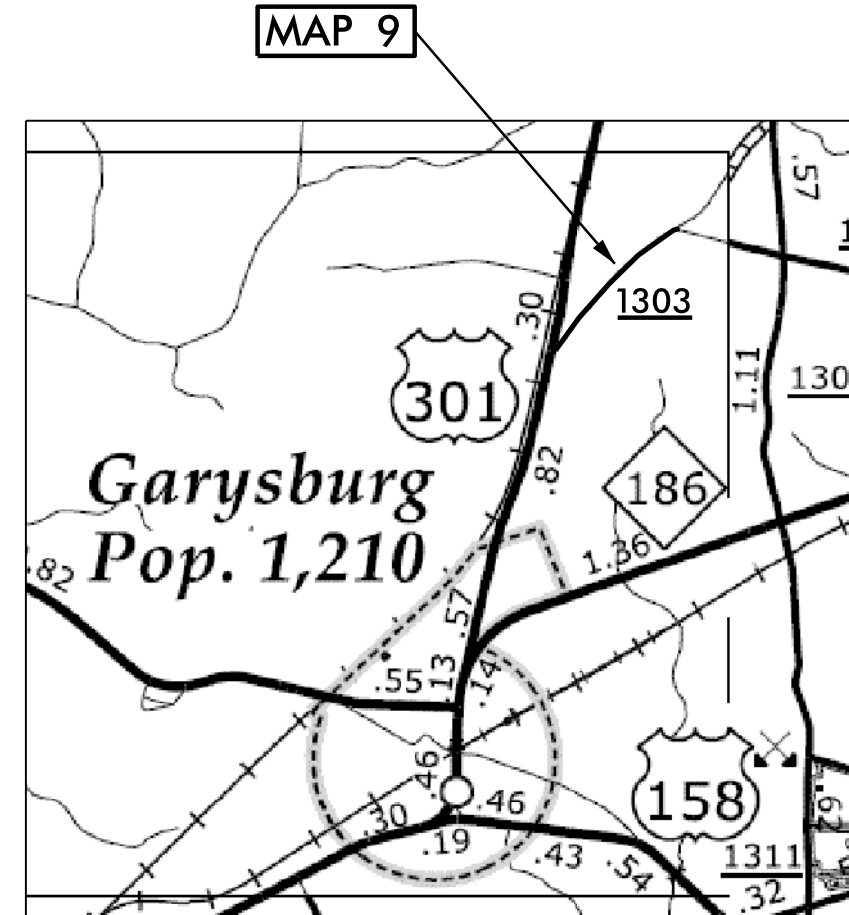
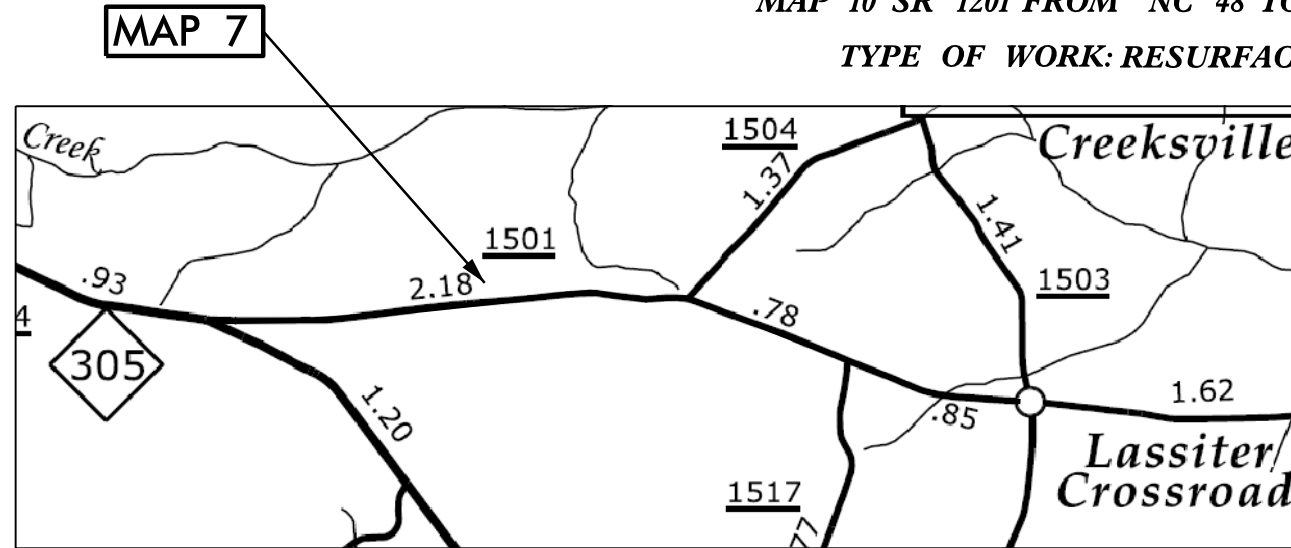
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NORTHAMPTON COUNTY

LOCATION: MAP 7 SR 1501 FROM NC 305 TO SR 1503
MAP 8 SR 1316 FROM NC 186 TO SR 1314
MAP 9 SR 1303 FROM US 301 TO SR 1304
MAP 10 SR 1201 FROM NC 48 TO SR 1200

TYPE OF WORK: RESURFACING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2017CPT.01.02.20661.1	2	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2017CPT.01.02.20661.1		MAPS 7 - 10	



MAP 8

MAP 10

NTS

PROJECT LENGTH

- LENGTH OF ROADWAY PROJECT MAP 7 = 3.74 MI.
- LENGTH OF ROADWAY PROJECT MAP 8 = 2.28 MI.
- LENGTH OF ROADWAY PROJECT MAP 9 = 0.73 MI.
- LENGTH OF ROADWAY PROJECT MAP 10 = 0.92 MI.

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

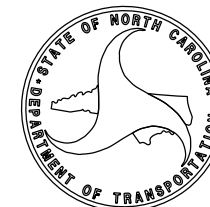
2012 STANDARD SPECIFICATIONS

LETTING DATE: _____

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

C.E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



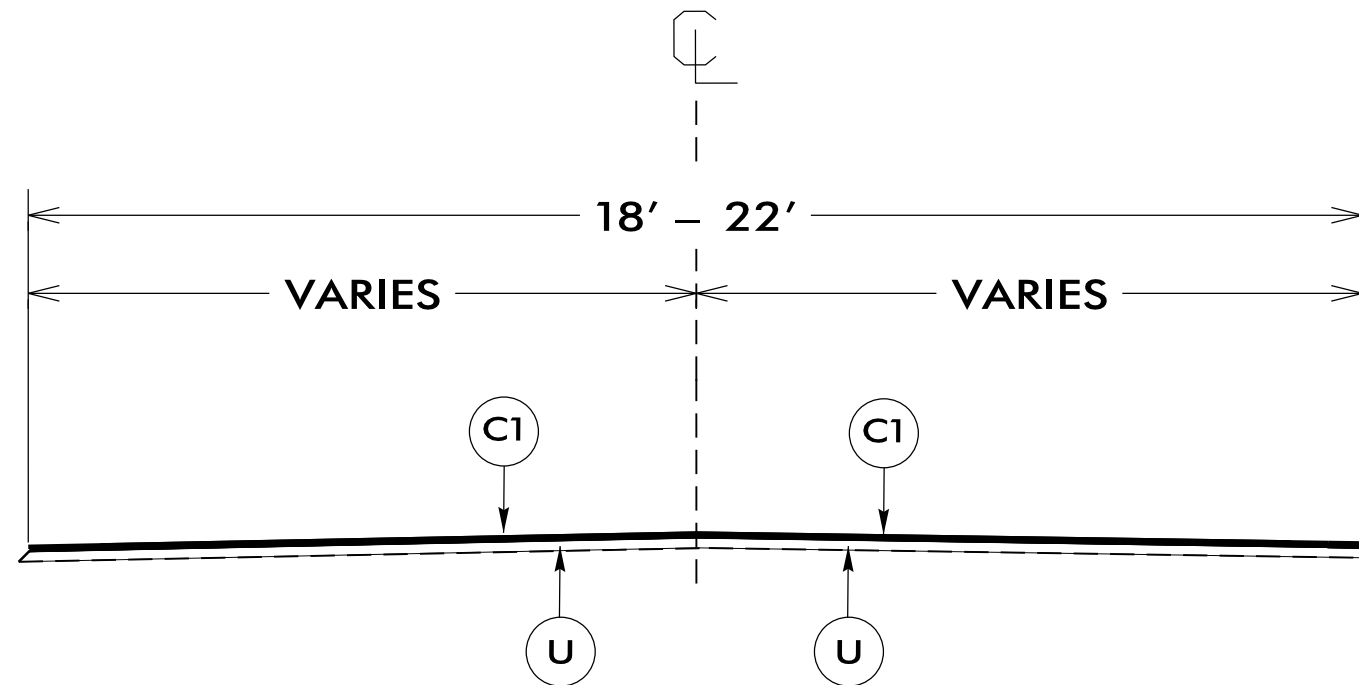
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
U	EXISTING PAVEMENT.

PROJECT REFERENCE NO.	SHEET NO.
2017CPT.01.02.20661.1	3

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 SUMMARY OF QUANTITIES
- *SHOULDER RECONSTRUCTION TO BE PERFORMED BY OTHERS
- *PAVEMENT MARKINGS TO BE PERFORMED BY OTHERS
- *WARM MIX ASPHALT REQUIRED ON MAP 5 (SR 1508) AND MAP 7 (SR 1501).
- *BRIDGE #17 ON MAP 5 (SR 1508) SHALL BE MILLED 1.25" AND RESURFACED WITH 1.25" OF ASPHALT.



TYPICAL SECTION NO. 1

USE WITH MAPS 1 & 3-10

NTS

08-DEC-2016 10:41 AM C:\Users\resur\Documents\Projects\2017\2017-2018\1\Pre-Bid Documents\Sht 1 - 4 DA00301 Plans.dgn PROJECT WORKING FILES\District Two\DA00301 Northampton Co. Resurfacing (2017 - 2018)\1\Pre-Bid Documents\Sht 1 - 4 DA00301 Plans.dgn

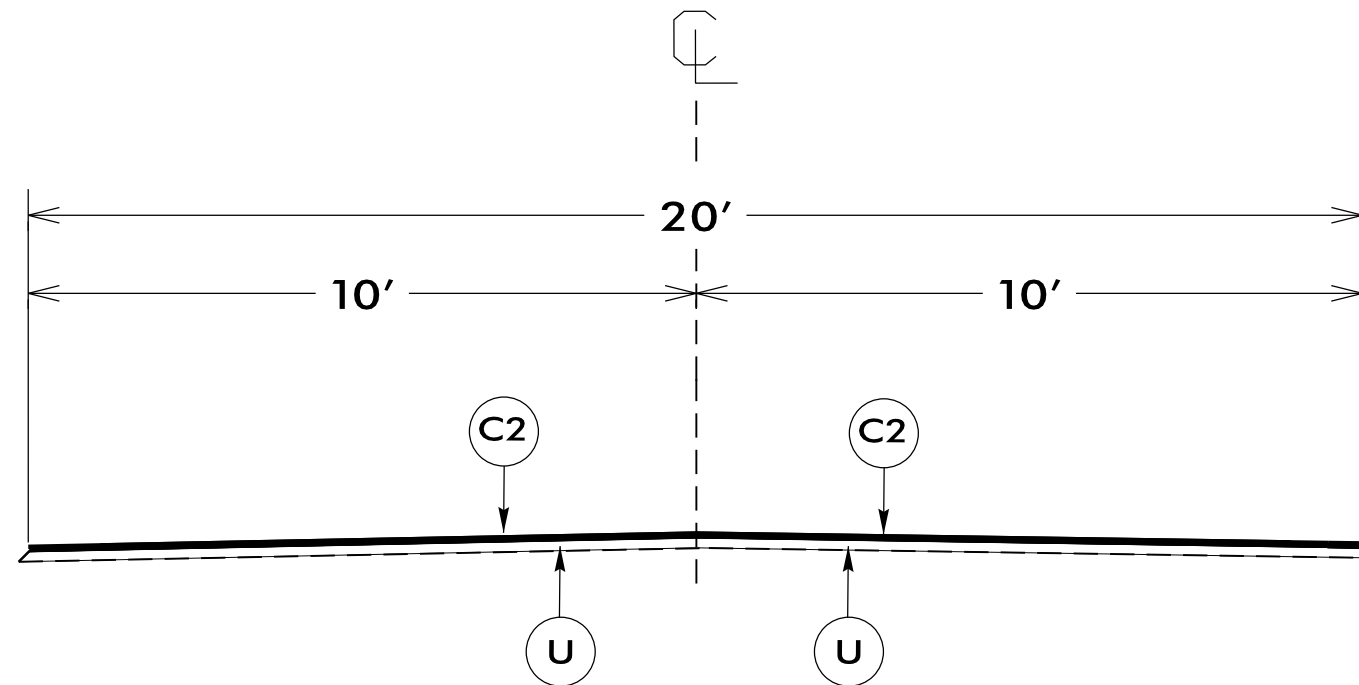
P A V E M E N T S C H E D U L E

C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
U	EXISTING PAVEMENT.

PROJECT REFERENCE NO. 2017CPT.01.02.20661.1	SHEET NO. 4
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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 SUMMARY OF QUANTITIES
- *SHOULDER RECONSTRUCTION TO BE PERFORMED BY OTHERS
- *PAVEMENT MARKINGS TO BE PERFORMED BY OTHERS



TYPICAL SECTION NO. 2

USE WITH MAP 2

NTS

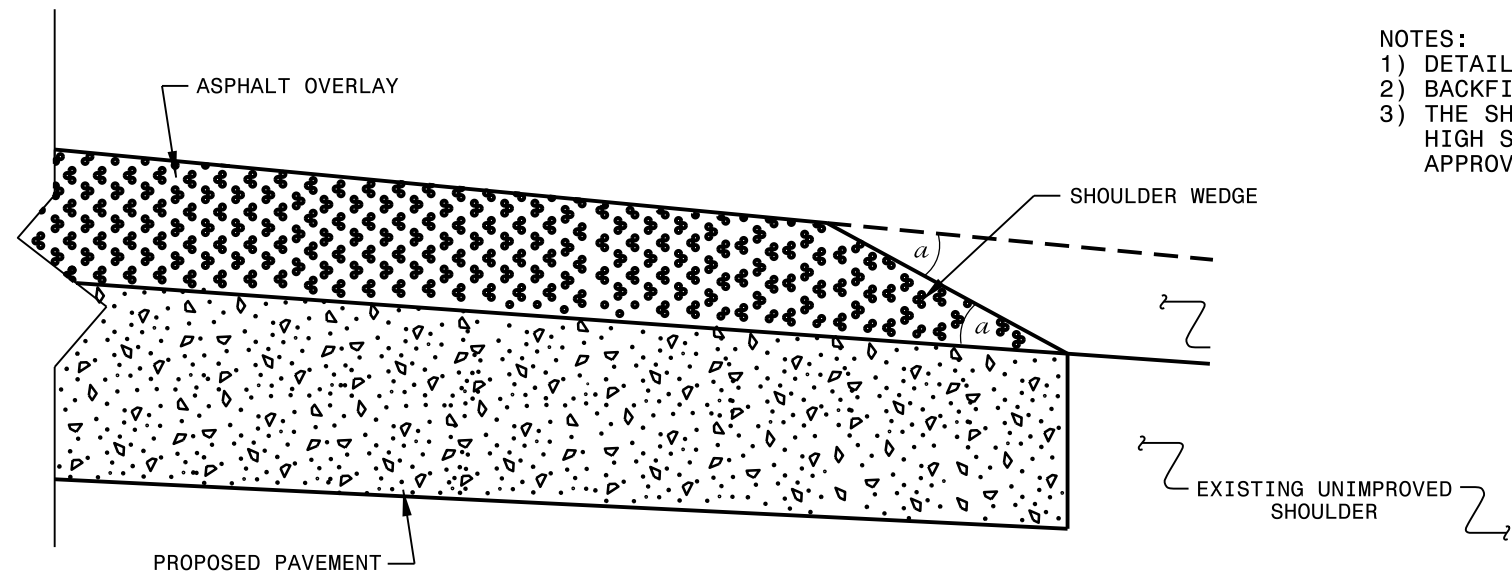
PROJECT NO.	SHEET NO.
2017CPT.01.02.20661.1	5

SUMMARY OF QUANTITIES

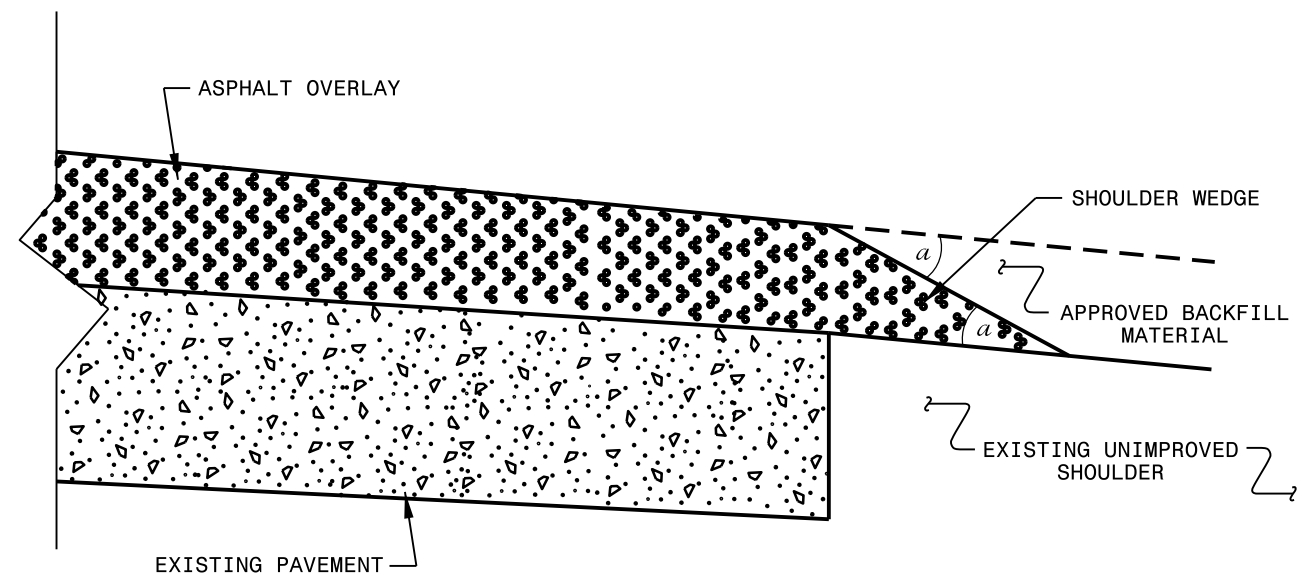
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	MOBILIZATION	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, SF9.5A	ASPHALT BINDER FOR PLANT MIX	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL
NO		NO			NO					MI	FT	LS	SY	TONS	TONS	TONS	EA	EA	SF	LS
2017CPT.01.02.20661.1	Northampton	1	SR 1561	FROM US 158 BUS. TO END	1	2	2WU	NO	NO	0.44	22	1	-	-	512	34	-	-	56	1
2017CPT.01.02.20661.1	Northampton	2	SR 1333	FROM NC 35 TO SR 1334	2	2	2WU	NO	NO	0.98	20	*	100	1,043	-	63	-	-	104	*
2017CPT.01.02.20661.1	Northampton	3	SR 1543	FROM US 158 TO SR 1545	1	2	2WU	NO	NO	2.50	18	*	-	-	1,862	125	-	-	136	*
2017CPT.01.02.20661.1	Northampton	4	SR 1545	FROM NC 35 TO SR 1543	1	2	2WU	NO	NO	1.75	18	*	-	-	1,362	91	-	2	80	*
2017CPT.01.02.20661.1	Northampton	5	SR 1508	FROM NC 35 TO SR 1500	1	2	2WU	NO	YES	3.05	20	*	190	-	2,525	169	-	-	80	*
2017CPT.01.02.20661.1	Northampton	6	SR 1550	FROM US 258 TO END	1	2	2WU	NO	NO	0.16	20	*	-	-	142	10	-	-	56	*
2017CPT.01.02.20661.1	Northampton	7	SR 1501	FROM NC 305 TO SR 1503	1	2	2WU	NO	YES	3.74	20	*	-	-	3,110	208	-	-	136	*
2017CPT.01.02.20661.1	Northampton	8	SR 1316	FROM NC 186 TO SR 1314	1	2	2WU	NO	NO	2.28	20	*	-	-	1,901	127	2	3	128	*
2017CPT.01.02.20661.1	Northampton	9	SR 1303	FROM US 301 TO SR 1304	1	2	2WU	NO	NO	0.73	20	*	-	-	610	41	-	-	104	*
2017CPT.01.02.20661.1	Northampton	10	SR 1201	FROM NC 48 TO SR 1200	1	2	2WU	NO	NO	0.92	21	*	-	-	813	54	-	-	86	*
TOTAL										16.56		1	290	1,043	12,837	922	2	5	966	1

NOTES:

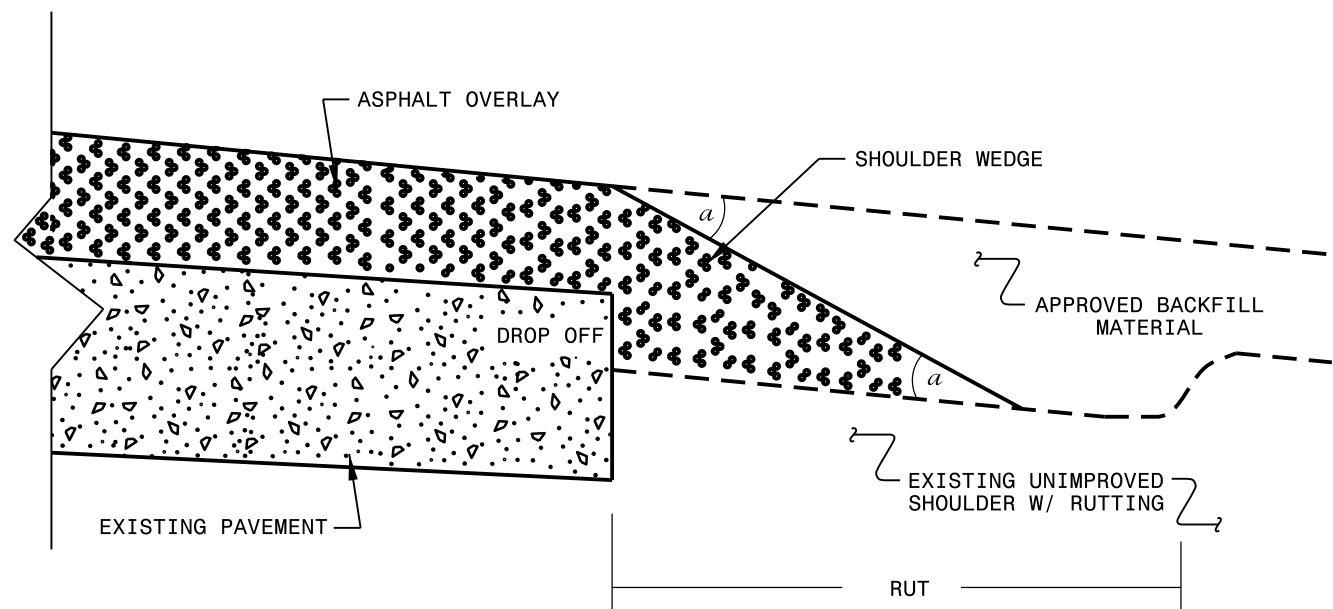
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ NO Widening)



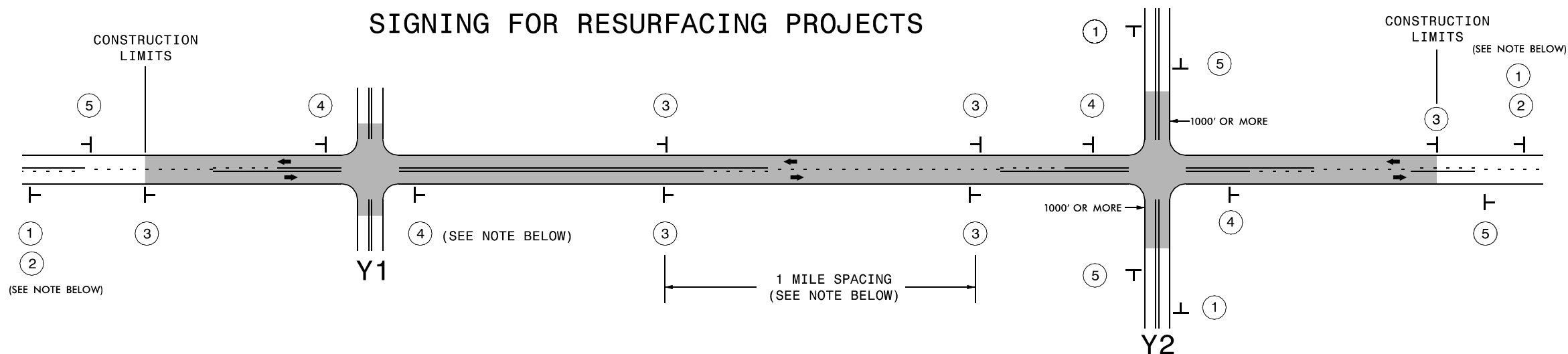
SHOULDER WEDGE DETAIL
(Resurfacing Adjacent to
Rutted Shoulder)

- 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	CHECKED BY:	DATE: 2/2/16
MODIFIED BY:	DATE:	CHECKED BY:	DATE:
FILE SPEC.: susr/details/stand/shoulderwedgedetail.dgn			

SYSTEM: 2017CPT.01.02.20661.1, ETC.
 USER: T.SPELL
 DATE: 7/19/11
 TIME: 10:00 AM

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	<p>W20-1 48" X 48"</p>	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <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> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>W20-1 48" X 48"</p> </div> <div style="text-align: center;"> <p>W20-7 A 48" X 48"</p> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>
	②	<p>W7-3aP 24" X 18"</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>	
	③	<p>SP 13107 48" X 48"</p>	<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>	
	④	<p>SP 13106 48" X 48"</p>	<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>	
⑤	<p>G20-2 A 48" X 24"</p>	<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>		



RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS

8/8/2013 S:\T\U\WZTC\Resurfacing\2013Documents\New_Pr ocedures_05_09_2013\Resurfacing_AdvWarn_2Ln.dgn User:fmarr ett