STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION 6

PLANS

Letting Date: March 2, 2022

CONTRACT ID: DF00302

TIP NO.: -----

FEDERAL AID NO.: STATE FUNDED

WBS ELEMENT NO.: 2022CPT.06.12.10091.1

ROUTE NO.: NC 211

LOCATION: FROM COLUMBUS COUNTY TO SR 1755

COUNTY: BLADEN

LENGTH OF PROJECT: 9.54 MILES

TYPE OF WORK: RESURFACING, MILLING & PVT. MKGS.

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	PAVEMENT SCHEDULE
C1	$1\frac{1}{2}$ " ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	2 ¹ ⁄2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C,AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW
U	EXISTING ASPHALT PAVEMENT
V1	0"-1 ¹ /2" MILLING
V2	1 ¹ /2" MILLING
V3	2" MILLING
V4	2 ¹ /2" MILLING





vDUC Work Files/Projects/Kesurfacing/2022 Spring/D3/C1/typ.dgn ME\$\$\$\$







		PROJECT REFERENCE NO.	SHEET NO.
NOTES:		2022071.00.12.10091.1	4
 UPON CONTEMPORARY WITHIN TIME CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR COMPLETING 	APLETION OF S PAINT MARKIN & FRAME ESTAE OR SHALL BEGI WITHIN 3 DA LLING. OR SHALL BEGI ACE WITHIN 3 G MILL & FILL	SURFACE MILLING, GS SHALL BE INSTA BLISHED IN STD. SP N MILL & FILL YS OF COMPLETING N PLACEMENT OF DAYS OF OPERATION.	LLED ECS.
MILL AS DIRECTED BY ENGINEER V1 EX. PAVEMENT	EX. CONC. BRIDGE DECK	MILL AS DIRECTED BY ENGINEER	
	V2	V1	
EX. PAVEMENT	EX. AWS		
Image: state of the state	BRIDGE MILLING MILL AS DIRECTED BY ENGINEI V2 I EX. RR CROSSING RAILROAD TRACKS MILL LING APPROAC RFORMED AT RR CROSSINGS, E CTED BY THE ENGINEER, IN ACC	ER	
EXISTING PAVEMENT A	4' AS DIRECTED BY E VARIABLE CROSS SLOP ND BASE	NGINEER	
O AREAS TO BE REPAIRED THE ENGINEER AFTER COM AREAS WITH ASPHALT INT	BY MILL & FILL SHALL IPLETION OF SURFACI	BE E MILLING. BACK	

- FLUSH WITH THE MILLED ASPHALT SURFACE LEFT IN PLACE, PRIOR TO
- PLACEMENT OF PROPOSED ASPHALT SURFACE COURSE.





CE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. Y USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	NO REQUIRED STATI FOLLOWING -Y
SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)	1) LESS THAN 1000' OF 2) SUBDIVISION ROADS 3) DEAD END ROADS
LACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART HEREAFTER. HEREAFTER. T TEE INTERSECTIONS INSTALL INITIALLY 1_2 MILE FROM INTERSECTION ND SPACE 1 MILE APART THEREAFTER.	WHEN PAVING/CONSTRUCTI AN UNSIGNED -Y- LINE, SHALL BE USED ALONG TH REMOVE UPON COMPLETION
HESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. EAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. NSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. OR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, REAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES RE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. OR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION LONG -L- LINE.	ROAD WORK AHEAD 48'' X 48'' PLACED 500' IN ADVANCE OF FLAGGER.
CE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN N WORK ENDS AT A 3-WAY TEE INTERSECTION.	
RE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE	
TRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE NDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY	



GUIDELINES FOR LANE WIDTHS ON RESURFACING PROJECTS

Contractor shall place the new pavement markings in accordance with this table and detail unless otherwise directed by the Engineer.

TWO LANE -	TWO LANE - TWO WAY ROADWAY - 55 MPH												
ROADWAY WIDTH	LANE WIDTH	SHOULDER WIDTH											
18'	9' *	0'											
20'	10' *	0'											
22'	10'	1'											
24'	10'	2'											
26'	11'	2'											
28'	12'	2'											
32'	12'	4'											
* May vary due to pavemer	nt width												

TWO LANE - TWO	WAY ROADWAY MPH OR LESS	(50									
ROADWAY WIDTH	LANE WIDTH	SHOULDER WIDTH									
18'	9' *	0'									
20'	10' *	0'									
22'	10'	1'									
24'	10'	2'									
26'	11'	2'									
28'	11'	3'									
32'	11'	5'									
* May vary due to pavemer	* May vary due to pavement width										

SCHEMATIC OF ROADWAY (NOT TO SCALE)

| WHITE LINE |
|------------|------------|------------|------------|------------|
| | CL OF I | ROADWAY | | MIDTH |
| | | | | ROADWAY |
| WHITE LINE |
| | | | | |

PROJECT REFERENCE NO.	SHEET NO.
2022CPT.06.12.10091.1	7
	2022CPT.06.12.10091.1

														PROJ	ECT NO.	SHEET NO.	TOTAL NO.
	SUMMARY OF QUANTITIES														2022CPT.06.12.10091.1		
											1220000000-E	129700	0000-E	1330000000-E	150300000-E	1523000000-E	1575000000-E
PROJECT NO COUNTY MAP NO ROUTE DESCRIPTION		ON SURFACE SURFACE UN SURFACE		FINAL SURFACE TESTING	FINAL URFACE ESTING REQUIRED		VARM MIX H H H ASPHALT N H H H REQUIRED H H		2.5" MILLING	2" MILLING	INCIDENTAL MILLING	INTERMEDIATE COURSE, 119.0C	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX			
						Ľ	REQUIRED	QUIRED	MI	FT	TONS	SY	SY	SY	TONS	TONS	TONS
2022CPT.06.12.10091.1	Bladen	1	NC 211	FROM COLUMBUS CL TO SR 1755	1 2	2WU	NO	NO	9.54	32	95	939	179,098	4,444	134	15,447	933
TOTAL I	For Map No	D. 1							9.54		95	939	179,098	4,444	134	15,447	933
	NO 2022CB	T 06 12 100	01 1						9.54		95	939	179,098	4,444	134	15,447	933
TOTAL FOR PROJ NO. 2022CP1.00.12.10091.1											180,037						
								9.54		95	939	179,098	4,444	134	15,447	933	
GRA												180,	037				

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	TH	I E F	r M C	DPLASTIC	A N	I D		Ρ	AINT (Q U A N	ΙΤΙΤ	IES			2022CPT.06	12.10091.1		
									441300000-Е	4457000000-N	46850	00000-E	469500000-E	472500000-Е	4810000	000-E	490000	0000-N
PROJECT NO	COUNTY	ΜΑΡ ΝΟ	ROUTE	DESCRIPTION	LANES	NE TYPE	LENGTH	WIDTH	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	8" X 90 M YELLOW THERMO	THERMO LT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	YELLOW & YELLOW MARKERS	CRYSTAL & RED MARKERS
					•	Ľ	MI	FT	SF	LS	LF	LF	LF	EA	LF	LF	EA	EA
2022CPT.06.12.10091.1	Bladen	1	NC 211	FROM COLUMBUS CL TO SR 1755	1 2	2WU	9.54	32	1,068	1	100,742	70,520	100	6	100,742	70,520	630	8
TOTAL F	OR MAP NO	. 1					9.54		1,068	1	100,742	70,520	100	6	100,742	70,520	630	8
	O 2022CPT	06 12 100	01 1				9.54		1,068	1	100,742	70,520	100	6	100,742	70,520	630	8
TOTAL FOR PROJ NO. 2022CP1.06.12.10091.1									171,262			171,262		6	38			
						9.54		1,068	1	100,742	70,520	100	6	100,742	70,520	630	8	
GRA	GRANDIOTAL										17	171,262			171,2	262	6	38