STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION 6

PLANS

Letting Date: November 1, 2023

CONTRACT ID: DF00456

TIP NO.: -----

FEDERAL AID NO.: STATE FUNDED

WBS ELEMENT NO.: 2024CPT.06.08.20241.1

ROUTE NO.: VARIES

LOCATION: VARIES

COUNTY: COLUMBUS

LENGTH OF PROJECT: 1.82 MILES

TYPE OF WORK: RESURFACING, MILLING & PAVEMENT MARKINGS



PAVEMENT SCHEDULE

C1	$1\frac{1}{2}''$ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW

EXISTING ASPHALT PAVEMENT U

3∕4″ MILLING V1





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PAVEMENT SCHEDULE

C1	$1\frac{1}{2}''$ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5 AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	šВ

- SHOULDER RECONSTRUCTION WITH T1 AGGREGATE SHOULDER BORROW
- EXISTING ASPHALT PAVEMENT U
- V1 3∕4″ MILLING



2. AGGREGATE SHOULDER BORROW (ASB) MATERIAL SHALL BE PLACED USING A WIDENING MACHINE OR SIMILAR DEVICE AND COMPACTED USING A ROLLER ASB SHALL TIE FLUSH TO PAVEMENT AND EXISTING SHOULDER.



NOTES TO CONTRACTOR

FOR SURFACE MIXES OVER 1" IN THICKNESS, MILL THE EXISTING PAVEMENT IN ACCORDANCE WITH THE FOLLOWING SKETCH AS DIRECTED BY THE ENGINEER. LOCATIONS SHALL INCLUDE TIES INTO EXISTING CONCRETE PAVEMENT, AT BRIDGE APPROACHES WHERE THE BRIDGE WILL NOT BE RESURFACED, AND AT THE BEGINNING AND ENDING POINT OF EACH RESURFACING MAP.

PERFORM THE WORK IN ACCORDANCE WITH SECTION 607 OF THE JANUARY 2018 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. RESURFACING WILL BE ACCOMPLISHED AT THE SAME TIME AS THE MILLING OPERATION.



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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 $\frac{1}{2}$ 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	

Single 6'X (when wired sep	6′loop barately):
Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

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 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 pavement width									

TWO LANE - TWO WAY ROADWAY50MPH OR LESS									
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 pavement width									

SCHEMATIC OF ROADWAY (NOT TO SCALE)

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

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.06.07.20091.1, etc	

SUMMARY OF QUANTITIES

													122000000-Е	124500000-Е	126000000-E	129700000-E	151900000-E	152000000-E	1575000000-E	170400000-E	283000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES LANE	FINAL	WARM MIX	LENGTH	WIDTH	BEGIN MP	END MP	INCIDENTAL	SHOULDER	AGGREGATE	0.75" MILLING	SURFACE	LEVELING	ASPHALT	PATCHING	ADJ. OF
						TYPE	SURFACE	ASPHALT					STONE BASE	RECONSTRUCTI	SHOULDER		COURSE, S9.5B	COURSE, S9.5B	BINDER FOR	EXISTING	MANHOLES
							TESTING	REQUIRED						ON	BORROW				PLANT MIX	PAVEMENT	
							REQUIRED		MI	FT			TONS	SMI	TON	SY	TONS	TONS	TONS	TONS	EA
2024CPT.06.08.20241.1	Columbus	1	SR-1562 / N ELM ST	SR 1562 FROM US 76 TO US 74 BUS	1	2	NO	NO	0.8	20	0.55	1.35	10	1.60	240	9,387	818	20	55	10	6
	TOTAL F	OR MAP NO	0.1						0.8				10	1.60	240	9,387	818	20	55	10	6
2024CPT.06.08.20241.1	Columbus	2	SR-1560 / STACK TURNER RD	FROM SR 1562 TO SR 1005	2	2	NO	NO	1.015	20	0	1.015	10	2.03	304		1,038		67		
	TOTAL F	OR MAP NO	0. 2						1.015				10	2.03	304		1,038		67		
TOTAL F	OR PROJ NO). 2024CPT	.06.08.20241.1						1.815				20	3.63	544	9,387	1,856	20	122	10	6
	GRA	ND TOTAL							1.815				20	3.63	544	9,387	1,856	20	122	10	6

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.06.08.20241.1		

THERMOPLASTIC AND PAINT QUANTITIES

												441300000-Е	445700000-N	468500	0000-Е	481000	0000-Е
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE	LENGTH	WIDTH	BEGIN MP	END MP	WORK ZONE	TEMPORARY	4" X 90 M	4" X 90 M	4" WHITE	4" YELLOW
							TYPE					ADVANCE/GE	TRAFFIC	WHITE	YELLOW	PAINT	PAINT
												NERAL	CONTROL	THERMO	THERMO		
												WARNING					
												SIGNING					
								MI	FT			SF	LS	LF	LF	LF	LF
2024CPT.06.08.20241.1	Columbus	1	SR-1562 / N ELM ST	SR 1562 FROM US 76 TO US 74 BUS	1	2		0.8	20	0.55	1.35	112		8,608	8,448	8,608	8,448
TOTAL FOR MAP NO. 1							0.8				112		8,608	8,448	8,608	8,448	
2024CPT.06.08.20241.1	Columbus	2	SR-1560 / STACK TURNER RD	FROM SR 1562 TO SR 1005	2	2		1.015	20	0	1.015	112	1.00	10,921	7,612		
TOTAL FOR MAP NO. 2							1.015				112	1	10,921	7,612			
							1.815				224	1	19,529	16,060	8,608	8,448.000	
TOTAL		J. 2024CP1.	00.08.20241.1											35,	589	17,	056
CRAND TOTAL							1.815				224	1	19,529	16,060	8,608	8,448.000	
	GRA	IND I UTAL												35,	589	17,	056

PROJECT NO.	SHEET NO.	TOTAL NO.
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