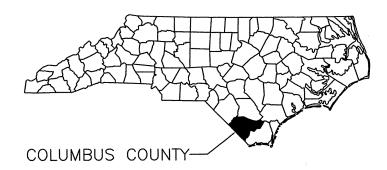
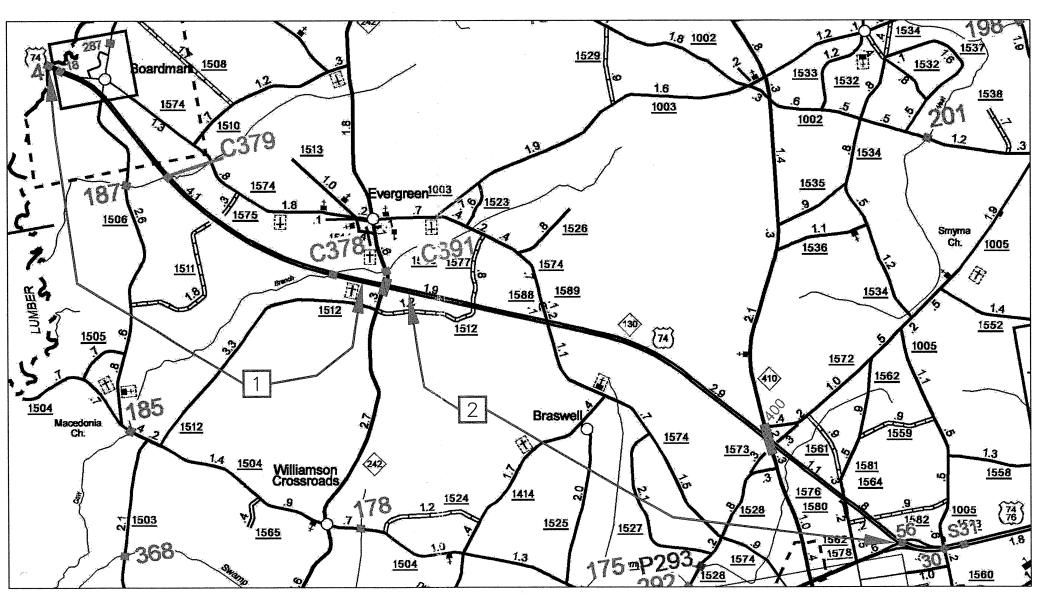
PROJECT REFERENCE NO.
 SHEET NO.

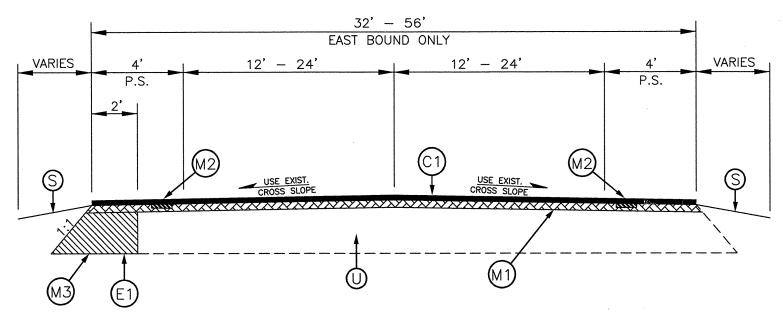
 R-5511 - 45464.3.FS1
 1

RESURFACING MAP - COLUMBUS COUNTY





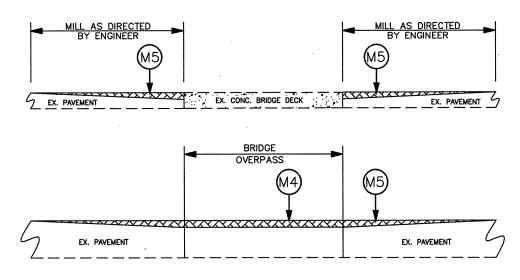




TYPICAL SECTION NO. 1

NOTES:

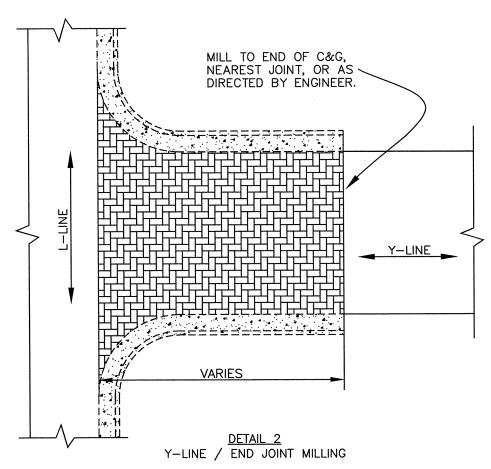
- INCLUDES MILLING ON BRIDGE APPROACHES & BRIDGE UNDERPASSES, AS NEEDED, OR AS DIRECTED BY THE ENGINEER. SEE DETAIL 1.
 INCLUDES INCIDENTAL MILLING AT THE ENDS OF SECTIONS FOR SMOOTH
- 2. INCLUDES INCIDENTAL MILLING AT THE ENDS OF SECTIONS FOR SMOOTH TIE—INS, CURB RADII, AND STREET INTERSECTIONS, AS NEEDED, OR AS DIRECTED BY THE ENGINEER. SEE DETAIL 2.
- 3. CONTRACTOR SHALL BE REQUIRED TO EVEN UP THE ROADWAY PROFILE ACROSS LANES AT THE END OF EACH WORK DAY.



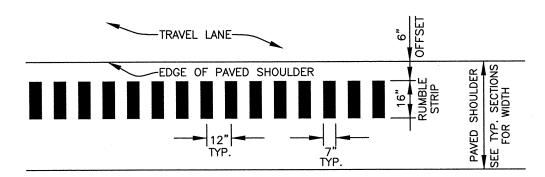
<u>DETAIL 1</u> BRIDGE MILLING

NOTE:
MILLING SHALL BE PERFORMED AT BRIDGE APPROACHES
AND BRIDGE UNDERPASSES AS DIRECTED BY THE ENGINEER,
IN ACCORDANCE WITH THIS DETAIL.

	PAVEMENT SCHEDULE									
C1	Proposed approximately 2" of Asphalt Concrete Surface Course, Type S-9.5-C, at an average rate of 224 pounds per square yard.									
C2	Proposed approximately 2" of Asphalt Concrete Surface Course, Type S9.5B, at an average rate of 224 pounds per square yard.									
D1	Proposed approximately 2½" of Asphalt Concrete Intermediate Course, Type I—19.0—C, at an average rate of 285 pounds per square yard.									
E1	Proposed approximately 5½" of Asphalt Concrete Base Course, Type B-25.0-C, at an average rate of 627 pounds per square yard for standard widening.									
M1	Milling existing asphalt to a depth of ½" for the entire width of the roadway, or as Directed by the Engineer, for roadway profile correction.									
M2	Proposed Milled Rumble Strips, placed in the final asphalt surface, in accordance with Standard Drawing 665.01 of the <u>Roadway</u> <u>Standard Drawings</u> .									
мз	Milling existing soil shoulder, to a depth of 5½", with a width of 2' where indicated by Typical, for standard widening.									
M4	Milling Depth 2" for the entire width of the roadway, or as Directed by the Engineer.									
M5	Incidental Milling 0" — 2" at all Bridge Approaches & Bridge Underpasses, for the entire width of the roadway, or as Directed by the Engineer.									
М6	Milling existing asphalt to a depth of 2½" at all designated Mill & Fill Patch Areas, with a variable width from 12' to 24', or as Directed by the Engineer.									
S	Shoulder Reconstruction									
U	Existing Pavement and Base or Earth Subgrade.									
	DRAWINGS NOT TO SCALE									



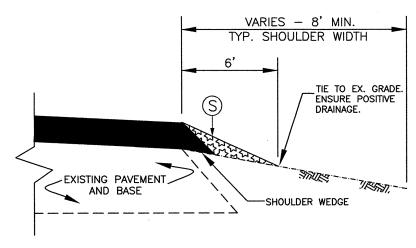
NOTE: INCLUDES INCIDENTAL MILLING AT THE ENDS OF SECTIONS FOR SMOOTH TIE—INS, CURB RADII, AND STREET INTERSECTIONS, AS NEEDED, OR AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH THIS DETAIL.



DETAIL 3 PAVED SHOULDER - PLAN VIEW

REFER TO STD. DWG. NO. 665.01 — "ASPHALT SHOULDERS MILLED RUMBLE STRIPS", IN THE NCDOT <u>ROADWAY STANDARD DRAWINGS</u>, LATEST EDITION, FOR ADDITIONAL INFORMATION.

PROJECT REFERENCE NO. | SHEET NO. R-5511 - 45464.3.FS1

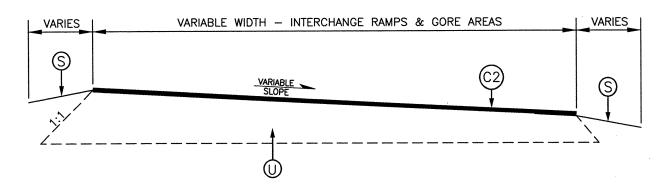


DETAIL 4 SHOULDER RECONSTRUCTION

- 1. SHOULDER SHALL BE RECONSTRUCTED FROM THE EDGE OF PAVEMENT OUT TO A WIDTH OF 6'. ENSURE POSITIVE DRAINAGE AWAY FROM ROADWAY.
- 2. AGGREGATE SHOULDER BORROW (ASB) MATERIAL SHALL BE PLACED USING A
- WIDENING MACHINE OR SIMILAR DEVICE.

 3. A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE EROSION. PULLING DITCHES OR CUTTING SHOULDERS TO GENERATE BORROW MATERIAL WILL NOT BE ALLOWED.
- 4. REQUIRED BORROW MATERIAL MAY BE OBTAINED FROM WIDENING OPERATIONS WITHIN THE PROJECT LIMITS, NCDOT APPROVED BORROW PITS, OR FROM NCDOT STOCKPILES. ANY EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN APPROVED DISPOSAL SITE.

	PAVEMENT SCHEDULE
C1	Proposed approximately 2" of Asphalt Concrete Surface Course, Type S-9.5-C, at an average rate of 224 pounds per square yard.
C2	Proposed approximately 2" of Asphalt Concrete Surface Course, Type S9.5B, at an average rate of 224 pounds per square yard.
D1	Proposed approximately 2½" of Asphalt Concrete Intermediate Course, Type I—19.0—C, at an average rate of 285 pounds per square yard.
E1	Proposed approximately 5½" of Asphalt Concrete Base Course, Type B—25.0—C, at an average rate of 627 pounds per square yard for standard widening.
M1	Milling existing asphalt to a depth of ½" for the entire width of the roadway, or as Directed by the Engineer, for roadway profile correction.
М2	Proposed Milled Rumble Strips, placed in the final asphalt surface, in accordance with Standard Drawing 665.01 of the Roadway Standard Drawings.
М3	Milling existing soil shoulder, to a depth of 5½", with a width of 2' where indicated by Typical, for standard widening.
M4	Milling Depth 2" for the entire width of the roadway, or as Directed by the Engineer.
М5	Incidental Milling 0" — 2" at all Bridge Approaches & Bridge Underpasses, for the entire width of the roadway, or as Directed by the Engineer.
М6	Milling existing asphalt to a depth of 2½" at all designated Mill & Fill Patch Areas, with a variable width from 12' to 24', or as Directed by the Engineer.
S	Shoulder Reconstruction
U	Existing Pavement and Base or Earth Subgrade.
	DRAWINGS NOT TO SCALE

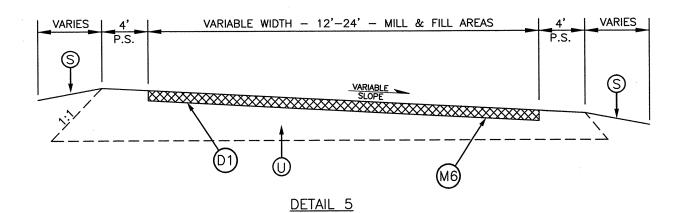


DETAIL 6 RAMPS & GORE AREAS

NOTES:

1. FOR USE WITH ALL INTERCHANGE RAMPS AND GORE AREAS.

2. INCLUDES INCIDENTAL MILLING AT THE ENDS OF SECTIONS FOR SMOOTH TIE—INS, CURB RADII, AND STREET INTERSECTIONS, AS NEEDED, OR AS DIRECTED BY THE ENGINEER. SEE DETAIL 2.



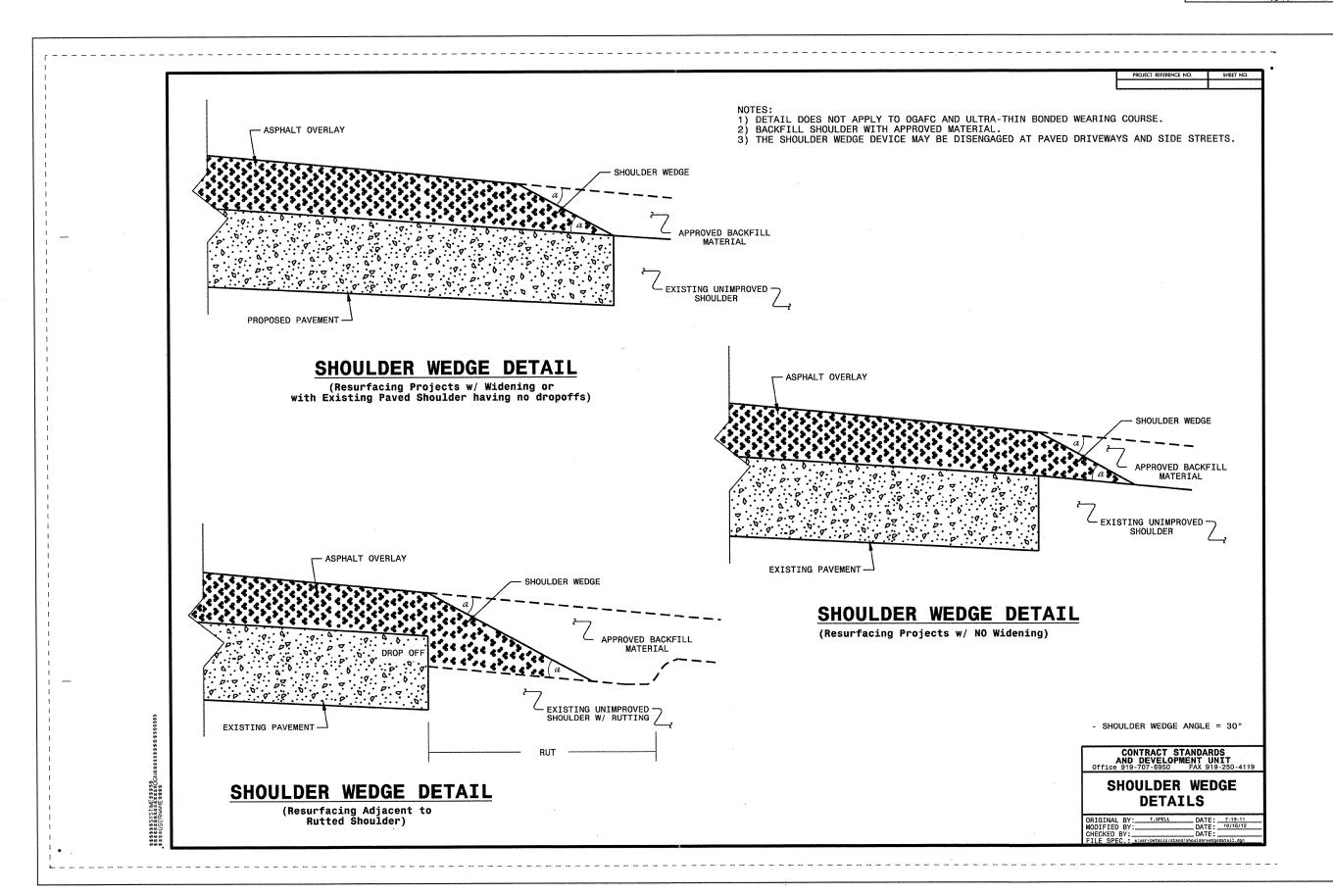
NOTES:

1. DISTRESSED AREAS TO BE REPAIRED BY MILL & FILL SHALL BE DESIGNATED BY THE ENGINEER.

MILL & FILL PAVEMENT REPAIR

- 2. MILL DISTRESSED AREAS TO A DEPTH AS INDICATED.
- 3. FILL MILLED AREAS WITH ASPHALT CONCRETE INTERMEDIATE COURSE BACK FLUSH WITH THE EXISTING ASPHALT LEFT IN PLACE, PRIOR TO PLACEMENT OF PROPOSED ASPHALT SURFACE COURSE..

	PAVEMENT SCHEDULE
C1	Proposed approximately 2" of Asphalt Concrete Surface Course, Type S-9.5-C, at an average rate of 224 pounds per square yard.
C2	Proposed approximately 2" of Asphalt Concrete Surface Course, Type S9.5B, at an average rate of 224 pounds per square yard.
D1	Proposed approximately 2½" of Asphalt Concrete Intermediate Course, Type I—19.0—C, at an average rate of 285 pounds per square yard.
E1	Proposed approximately 5½" of Asphalt Concrete Base Course, Type B-25.0-C, at an average rate of 627 pounds per square yard for standard widening.
. M1	Milling existing asphalt to a depth of ½" for the entire width of the roadway, or as Directed by the Engineer, for roadway profile correction.
M2	Proposed Milled Rumble Strips, placed in the final asphalt surface, in accordance with Standard Drawing 665.01 of the <u>Roadway</u> <u>Standard Drawings</u> .
М3	Milling existing soil shoulder, to a depth of 5½", with a width of 2' where indicated by Typical, for standard widening.
M4	Milling Depth 2" for the entire width of the roadway, or as Directed by the Engineer.
M5	Incidental Milling 0" — 2" at all Bridge Approaches & Bridge Underpasses, for the entire width of the roadway, or as Directed by the Engineer.
М6	Milling existing asphalt to a depth of $2\frac{1}{2}$ " at all designated Mill & Fill Patch Areas, with a variable width from 12' to 24', or as Directed by the Engineer.
S	Shoulder Reconstruction
U	Existing Pavement and Base or Earth Subgrade.
	DRAWINGS NOT TO SCALE



PROJECT NO.	SHEET NO.	TOTAL NO.
45464.3.FS1 R-5511	6	

SUMMARY OF QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	FINAL	WARM	LENGTH	WIDTH	AGGREGATE	0.5"	2.5"	2" MILLING	INCIDENTAL	BASE	INTERMEDIATE	SURFACE	SURFACE	ASPHALT	ASPHALT	PATCHING	MILLED
						SURFACE	MIX			SHOULDER	MILLING	MILLING		MILLING	COURSE,	COURSE, 119.0C	COURSE,	COURSE,	CONC	BINDER FOR	EXISTING	RUMBLE
						TESTING	ASPHALT	·		BORROW					B25.0C		S9.5B	S9.5C	SURFACE	PLANT MIX	PAVEMENT	STRIPS
						REQUIRED	REQUIRED												COURSE,			(ASPHALT
						,													TYPE S9.5C			CEMENT
																			(LEVELING			CONCRETE)
																			COURSE)			
NO		NO			NO			MI	FT	TON	SY	SY	SY	SY	TONS	TONS	TONS	TONS	TON	TONS	TONS	LF
				FROM ROBESON COUNTY LINE TO																		
45464.3.FS1	Columbus	1	US 74 - A EBL	CONST. JT. WEST OF NC 242	1	NO	NO	4.36	32	1,324	81,852	2,112		6,936	1,669	301		10,093	79	689	65	46,042
				FROM CJ - E. OF NC 242 TO US 76																		
45464.3.FS1	Columbus	2	US 74 - B (EBL)	(CJ @ FLYOVER)	1	NO	NO	6.21	32	2,262	116,582	2,112	1,502	5,600	2,377	301	1,419	14,402	118	1,062	93	65,578
	L		*																			
	GRAND T	OTAL	FOR PROJ NO. 4	5464.3.FS1 R-5511				10.57		3,586	198,434	4,224	1,502	12,536	4,046	602	1,419	24,495	197	1,751	158	111,620

THERMOPLASTIC AND PAINT QUANTITIES

					1	4589000000-N	4595000000-E	000-E 468800000-E		469000000-Е 470000000-Е 471000000-Е				4725000000-E		481500000	4900000000-N			
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	WIDTH	TEMPORARY	WORK ZONE	6" X 90 M	6" X 90 M	6" X 120 M	12" X 90 M	24" X 120 M	THERMO	THERMO RT	THERMO	6" WHITE	12" WHITE	CRYSTAL &
								TRAFFIC	ADVANCE/	WHITE	YELLOW	WHITE	WHITE	WHITE	LT	ARROW 90 N	1 STR	PAINT	PAINT	RED MARKERS
								CONTROL	GENERAL	THERMO	THERMO	THERMO	THERMO	THERMO	ARROW		ARROW			
									WARNING						90 M		90 M			
									SIGNING											
NO		NO			NO			LS	SF	LF	LF	LF	LF	LF	EA	EA	EA	LF	LF	EA
				FROM ROBESON COUNTY LINE TO																
45464.3.FS1	Columbus	1	US 74 - A EBL	CONST. JT. WEST OF NC 242	1	2	32	*	56	25,000	25,000	7,700		100	3	3	6	7,700		350
				FROM CJ - E. OF NC 242 TO US 76																
45464.3.FS1	Columbus	2	US 74 - B (EBL)	(CJ @ FLYOVER)	1	2	32	*	56	35,000	35,000	9,850	1,400	50	3	3	9	9,850	1,400	1,425
	······································	L																		
								1	112	60,000	60,000	17,550	1,400	150	6	6	15	17,550	1,400	1,775
GRAND TOTAL FOR PROJ NO. 45464.3.FS1 R-5511										120,0	000					27				

