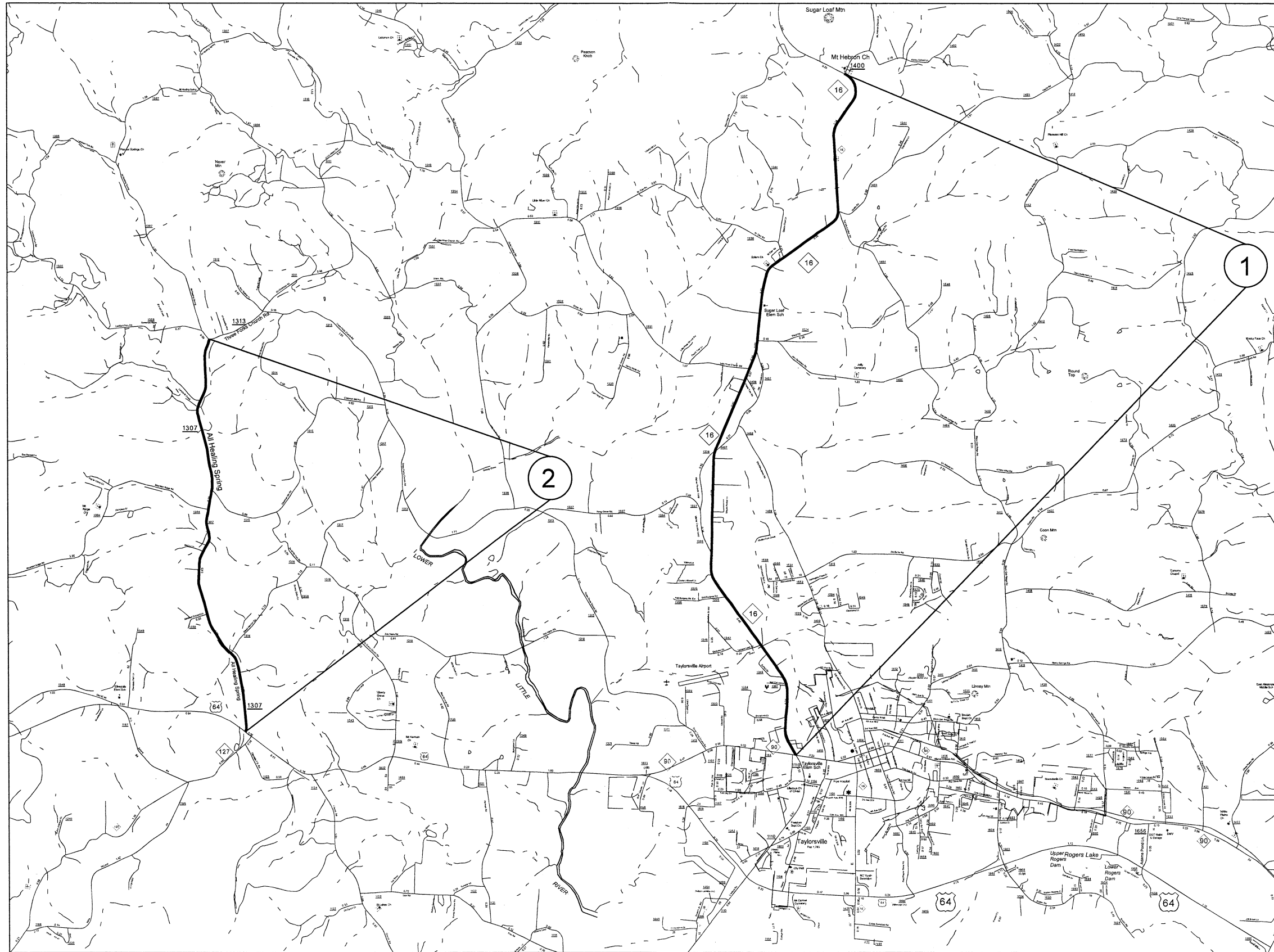


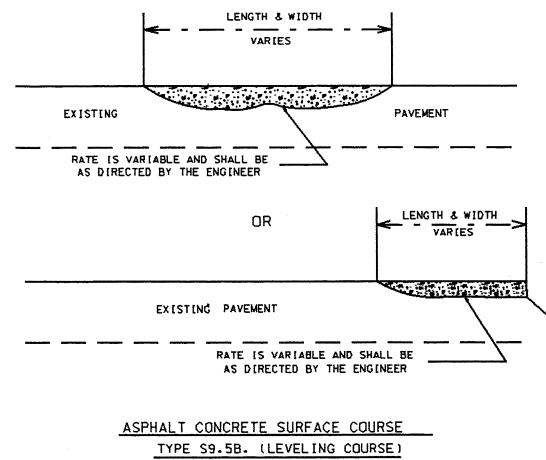
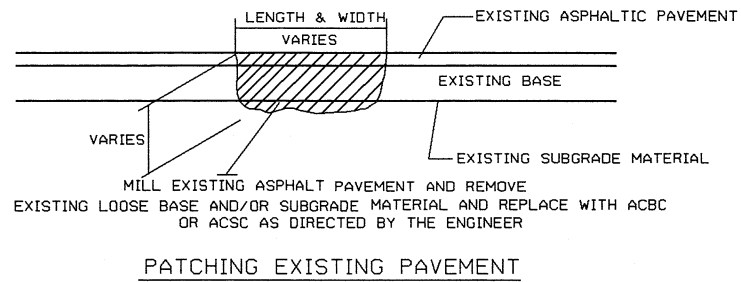
ALEXANDER RESURFACING

PROJECT REFERENCE NO.	
12CR.10021.12	/
12CR.20021.18	

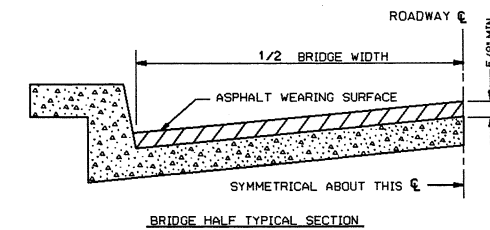


5/14/09

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C1	PROP. APPROX. 1.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
B	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
F	ASPHALT SURFACE TREATMENT, MAT COAT #78M STONE



PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
ALEXANDER COUNTY	3	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
12CR.10021.12		RESURFACING
12CR.20021.18		



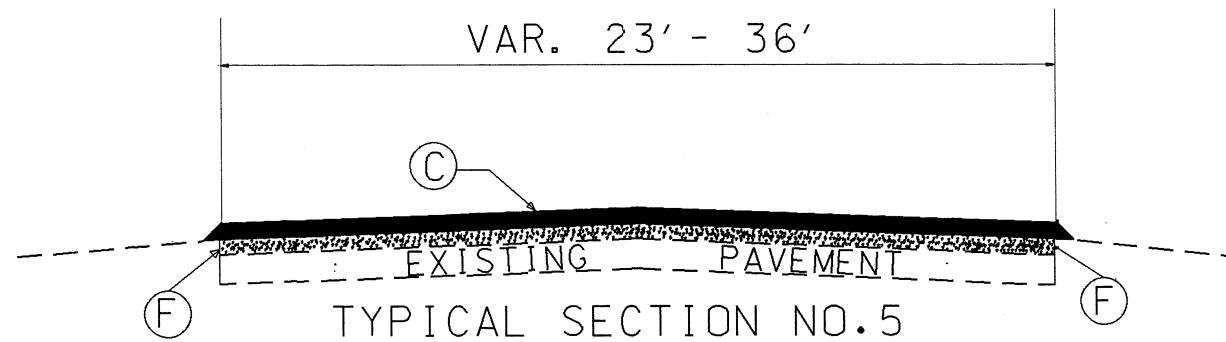
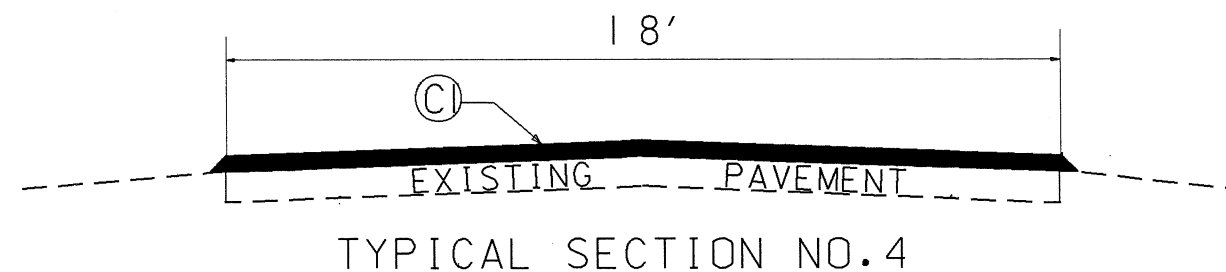
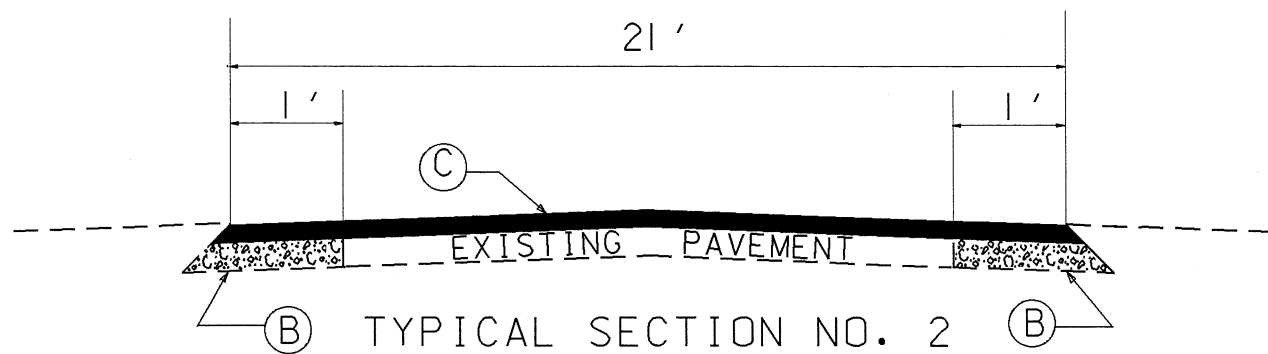
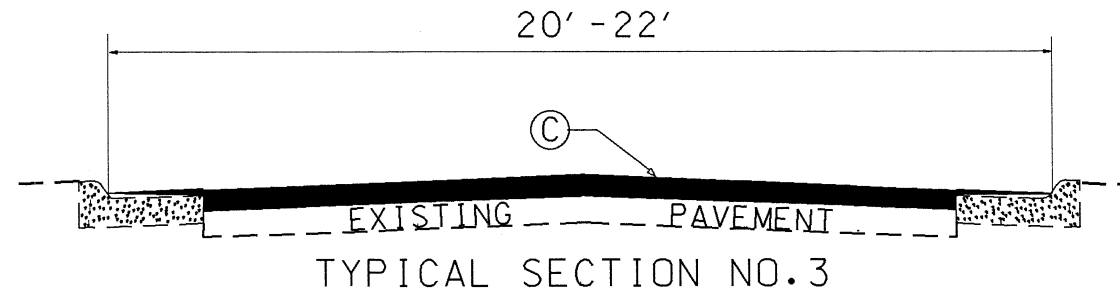
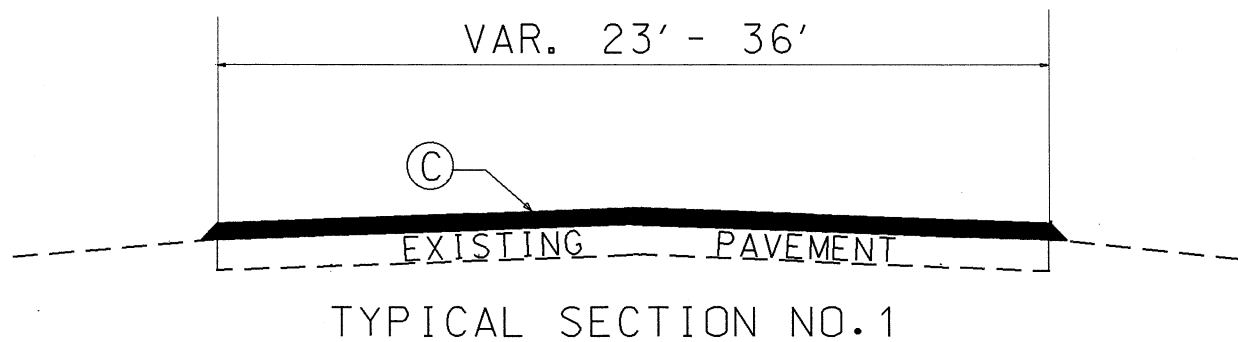
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

NOTES

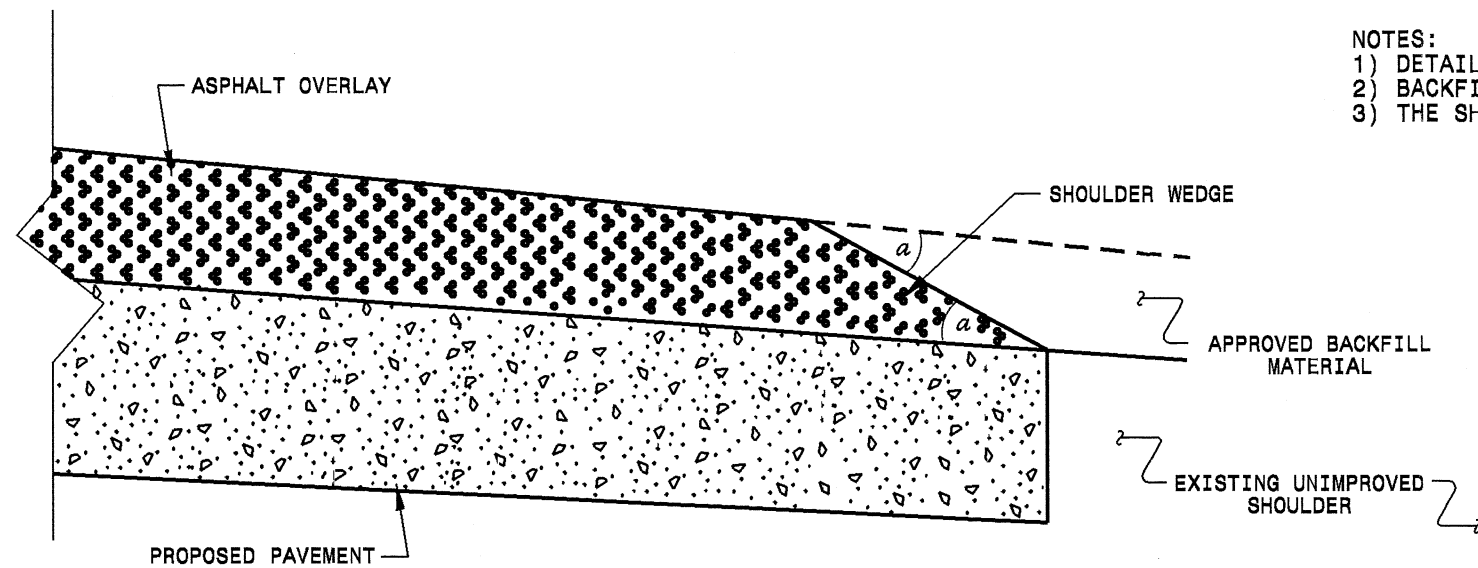
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.
MILL BRIDGE APPROACHES 100' TO PROVIDE A SMOOTH TRANSITION AS DIRECTED, THIS WILL BE PAID FOR AS INCIDENTAL MILLING.
MILL BRIDGE 1.5 INCHES ON MAP 2 AND REPLACE WITH 1.5 INCHES OF S9.5B, THIS WILL BE PAID AS 1.5 INCH MILLING.

ALL UNPAVED S.R. ROADS TO BE SURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.
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.
SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE NOTED.
BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

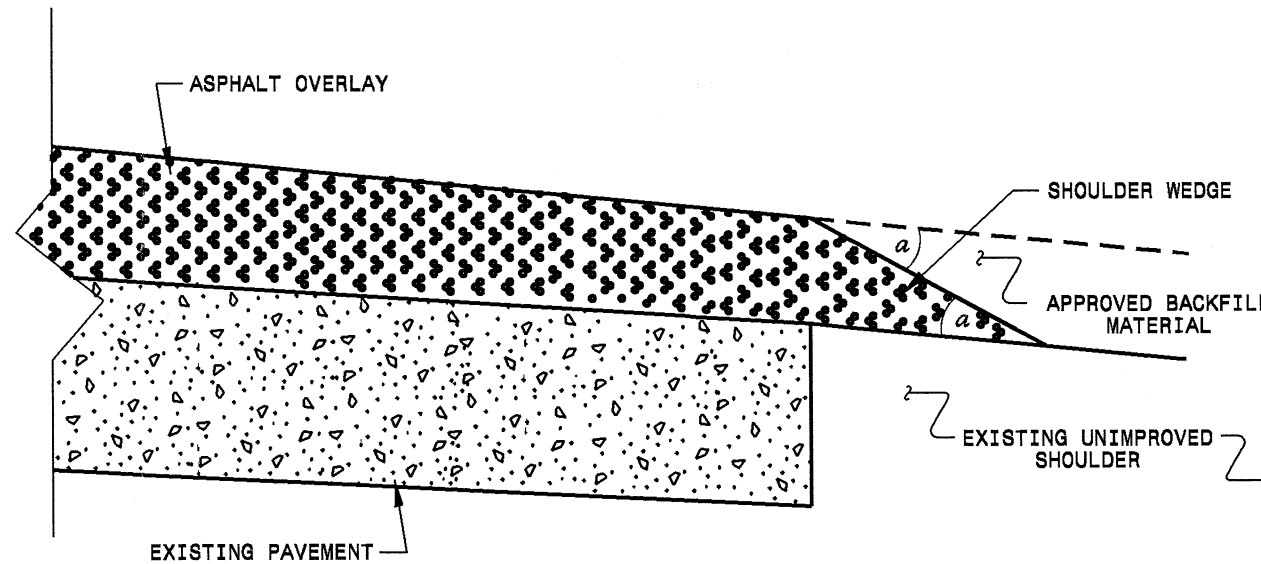


SHOULDER RECONSTRUCTION ON SECONDARY MAPS
WILL BE HANDLED BY STATE FORCES

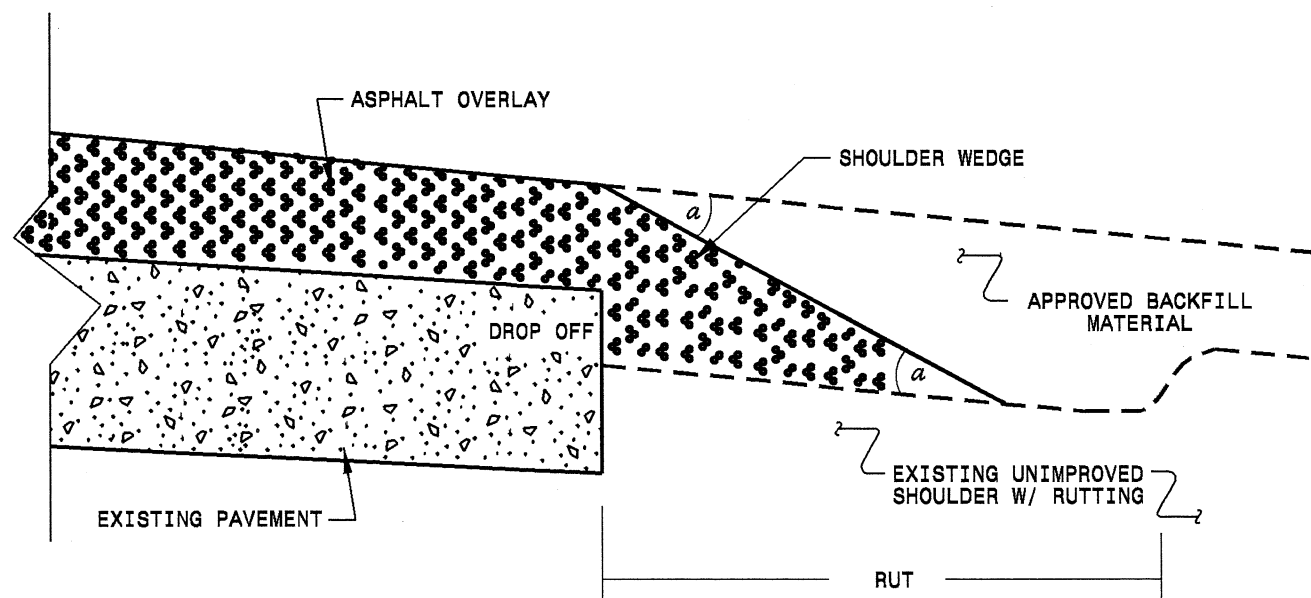
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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: 10/18/12
 CHECKED BY: DATE:
 FILE SPEC: s:\user\details\stand\shoulderwedgedetail.dgn

PROJECT NO.	SHEET NO.	TOTAL NO.
12CR.10021.12 12CR.20021.18	5	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	AGGREGATE SHOULDER BORROW TON	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1 1/2" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0B TONS	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE SY	ADJ. OF DROP INLETS EA	ADJ. OF MAN-HOLES EA	ADJ. OF METER OR VALVE BOXES EA
12CR.10021.12	Alexander	1	NC 16	FROM NC 90 TO MT. HEBRON CHURCH RD (SR-1400)	5	2	NO	NO	3.22	24	516	150	6.44		100		4,264	400		280	425	45,338			1
TOTAL FOR PROJ NO. 12CR.10021.12 (Primary Resurfacing)									3.22		516	150	6.44		100		4,264	400		280	425	45,338			1
12CR.20021.18	Alexander	2	ALL HEALING SPRING RD (SR-1307)	FROM US 64/NC 90 TO THREE FORKS CH. RD (SR-1313)	2	2	NO	NO	3.097	21		200		225	495	1,708	3,588	350		311	400				
12CR.20021.18	Alexander	3	STEEL BRIDGE LOOP (SR-1140)	FROM SHILOH CH. RD (SR-1208) TO SHILOH CH. RD (SR-1208)	3	2	NO	NO	0.492	22		25			50		675	200		53	100		11	1	1
12CR.20021.18	Alexander	4	OLD MOUNTAIN RD (SR-1005)	FROM NC 90 TO OLD MOUNTAIN VILLAGE RD (SR-1683)	1	2	NO	NO	2.008	23		150			50		2,558	1,150		223	230				
12CR.20021.18	Alexander	5	CHESTERFIELD DR (SR-1851)	FROM WAYSIDE CH RD (SR-1135) TO DEAD END	4	2	NO	NO	0.379	18		15							251	17	10				
12CR.20021.18	Alexander	6	TERRY'S LANE (SR-1852)	FROM CHESTERFIELD DR (SR-1851) TO DEAD END	4	2	NO	NO	0.114	18		10							76	5	5				
TOTAL FOR PROJ NO. 12CR.20021.18 (Secondary Resurfacing)									6.09			400		225	595	1,708	6,821	1,700	327	609	745		11	1	1
GRAND TOTAL									9.31		516	550	6.44	225	695	1,708	11,085	2,100	327	889	1,170	45,338	11	1	2

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LENGTH	WIDTH	4457000000-N TEMPORARY TRAFFIC CONTROL LS	4413000000-E WORK SONE ADVANCE/GENERAL WARNING SIGNING SF	4685000000-E 4" X 90 M WHITE THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4710000000 24" X 120 M WHITE THERMO LF	47210000 THERMO MSG SCHOOL 120 M EA	4725000000-E THERMO LT ARROW 90 M EA	4725000000-E THERMO STR & RT ARROW 90 M EA	4810000000-E 4" WHITE PAINT LF	4810000000-E 4" YELLOW PAINT LF	4905000000-N SNOW PLOWABLE MARKERS EA	
12CR.10021.12	Alexander	1	NC 16	FROM NC 90 TO MT. HEBRON CHURCH RD (SR-1400)	5	2	3.22	24	*	460	34,000	34,000	136	12	6	1				215
TOTAL FOR PROJ NO. 12CR.10021.12 (Primary Resurfacing)							3.22		1	460	34,000	34,000	136	12	6	1				215
12CR.20021.18	Alexander	2	ALL HEALING SPRING RD (SR-1307)	FROM US 64/NC 90 TO THREE FORKS CH. RD (SR-1313)	2	2	3.097	21									65,400	65,400		
12CR.20021.18	Alexander	3	STEEL BRIDGE LOOP (SR-1140)	FROM SHILOH CH. RD (SR-1208) TO SHILOH CH. RD (SR-1208)	3	2	0.492	22	*								10,400	10,400		
12CR.20021.18	Alexander	4	OLD MOUNTAIN RD (SR-1005)	FROM NC 90 TO OLD MOUNTAIN VILLAGE RD (SR-1683)	1	2	2.008	23						3	3		42,400	42,400	140	
12CR.20021.18	Alexander	5	CHESTERFIELD DR (SR-1851)	FROM WAYSIDE CH RD (SR-1135) TO DEAD END	4	2	0.379	18												
12CR.20021.18	Alexander	6	TERRY'S LANE (SR-1852)	FROM CHESTERFIELD DR (SR-1851) TO DEAD END	4	2	0.114	18												
TOTAL FOR PROJ NO. 12CR.20021.18 (Secondary Resurfacing)							6.09		1	683					3	3	118,200	118,200	140	
GRAND TOTAL							9.31		1	1,143	34,000	34,000	136	12	9	4	118,200	118,200	355	