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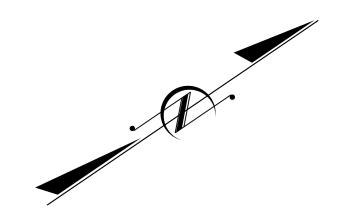
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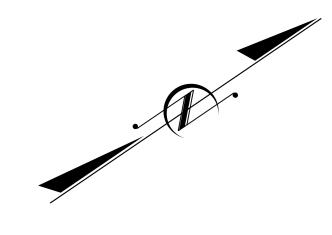
See Sheet 1A For Index of Sheets STATE OF NORTH CAROLINA END PROJECT DIVISION OF HIGHWAYS ROBESON COUNTY BEGIN LOCATION: I-95 FROM MILE MARKER 16 TO MILE MARKER 22 PROJECT [L'EMBERTON ! TYPE OF WORK: MILLING, BRIDGE REHABILITATION, RESURFACING, PAVEMENT MARKINGS AND FENCING VICINITY MAP DETOUR ◆ ◆ BEGIN TIP PROJECT I-5308 END TIP PROJECT I-5308 1527 <u> 1547</u> <u>1528</u> <u>1534</u> 211 <u>1533</u> <u> 1656</u> (301) 2499 Lumberton City Limits 36 EXI 1791 Lumberton Municipal Airport <u>1528</u> <u> 2501</u> 102 144 <u>2510</u>\ (301)95 S **LUMBERTON** EXIT 19 EXIT 20 2413 (301)<u>1536</u>\ Prepared in the Office of: GRAPHIC SCALES PROJECT LENGTH DESIGN DATA **DIVISION OF HIGHWAYS** ADT 2012 = 53,0001000 Birch Ridge Dr., Raleigh NC, 27610 TOTAL LENGTH OF TIP PROJECT I-5308 = 6.000 MI. 2012 STANDARD SPECIFICATIONS **PLANS** RIGHT OF WAY DATE: REKHA PATEL, P.E. ROADWAY DESIGN ENGINEER

PROFILE (HORIZONTAL)

PROFILE (VERTICAL)

I-5308 STATE PROJ. NO. DESCRIPTION NHPP-095-1(93)16 47031.1.FS1 CONST. 47031.3.FS1 NHPP-095-1(93)16





2035

PROJECT ENGINEER

SAMUEL ST. CLAIR PROJECT DESIGN ENGINEER

Lokha U. Kell SIGNATURE:

N/A

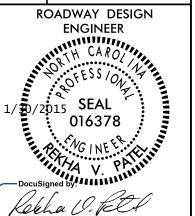
LETTING DATE:

MAY 19, 2015

PROJECT REFERENCE NO.

1-5308

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS



SHEET NO.

IΑ

INDEX OF SHEETS

SHEET NUMBER SHEET TITLE SHEET 1 A INDEX OF SHEETS 2A-1 THRU 2A-2 TYPICAL SECTIONS

> DETAIL NO. 6 FOR PAVING LIMITS AT RAMPS DETAIL NO. 7 FOR PAVING LIMITS AT LOOPS

SHOULDER WEDGE DETAILS 2C-1 TRANSPORTATION MANAGEMENT PLANS TMP-1 THRU TMP-6 PAVEMENT MARKING PLANS PMP-1

EC-1 THRU EC-2 EROSION CONTROL PLANS S-1 THRU S-23 BRIDGE PRESERVATION PLANS

2012 SPECIFICATIONS GENERAL NOTES: EFFECTIVE: 01-17-2012 REVISED: 10-31-2014

TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

EFF. 01-17-2012 REV. 10-30-2012

2012 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch – N. C., Department of Transportation – Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO. TITLE

DIVISION 6 - ASPHALT BASES AND PAVEMENTS

665.01 Asphalt Shoulders - Milled Rumble Strips

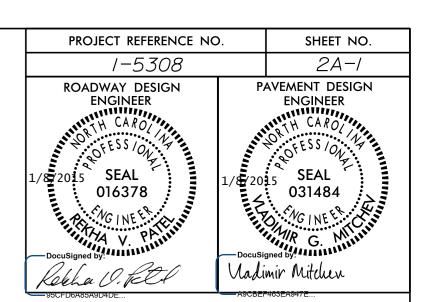
DIVISION 8 - INCIDENTALS

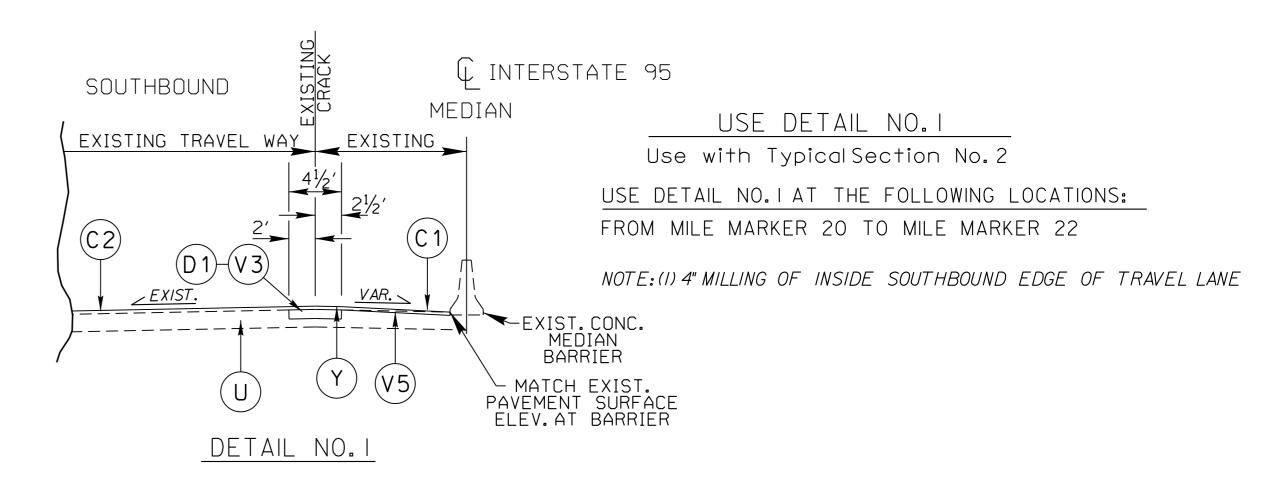
866.01 Chain Link Fence - 4', 5' and 6' High Fence

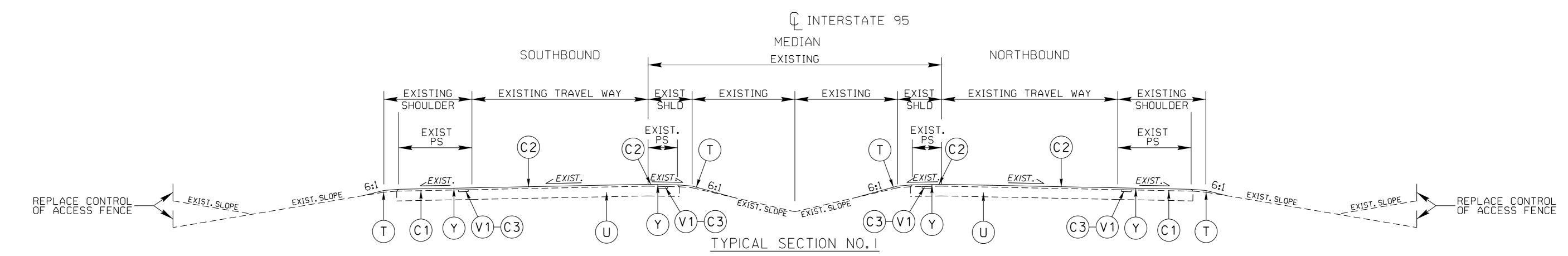
866.02 Woven Wire Fence - with Wood Post

	FINAL PAVEMENT SCHEDULE						
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	V2	1½" MILLED ASPHALT PAVEMENT				
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	V3	4" MILLED ASPHALT PAVEMENT				
СЗ	PROP. APPROX. $1\!\!\!/_2$ " ASPHALT CONCRETE SURFACE COURSE, TYPE SA-1, AT AN AVERAGE RATE OF 50 LBS. PER SQ. YD.	V4	VARIABLE 0" TO 1" MILLED ASPHALT PAVEMENT				
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	V5	VARIABLE 0" TO 1½" MILLED ASPHALT PAVEMENT				
Т	EARTH MATERIAL (SHOULDER RECONSTRUCTION)	V6	VARIABLE 0" TO 1½" MILLED ASPHALT PAVEMENT				
U	EXISTING PAVEMENT	Υ	PROPOSED MILLED RUMBLE STRIPS				
V1	½" MILLED ASPHALT PAVEMENT						

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

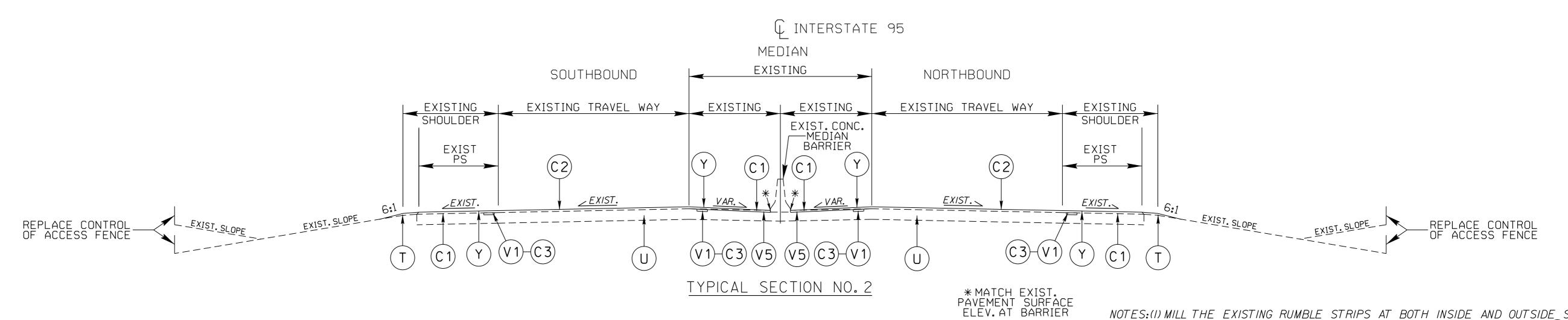






USE TYPICAL SECTION NO. I
FROM MILE MARKER 16 TO SOUTH OF MILE MARKER 17

NOTES:(I) MILL THE EXISTING RUMBLE STRIPS AT BOTH INSIDE AND OUTSIDE SHOULDERS
IN BOTH DIRECTIONS AND FILL WITH SAND-ASPHALT MIX, TYPE SA-I C3
(2) REMOVE AND REPLACE CONTROL OF ACCESS FENCE WITHIN PROJECT LIMITS
INCLUDING RAMPS IN ORIGINAL LOCATION OR AS DIRECTED BY ENGINEER

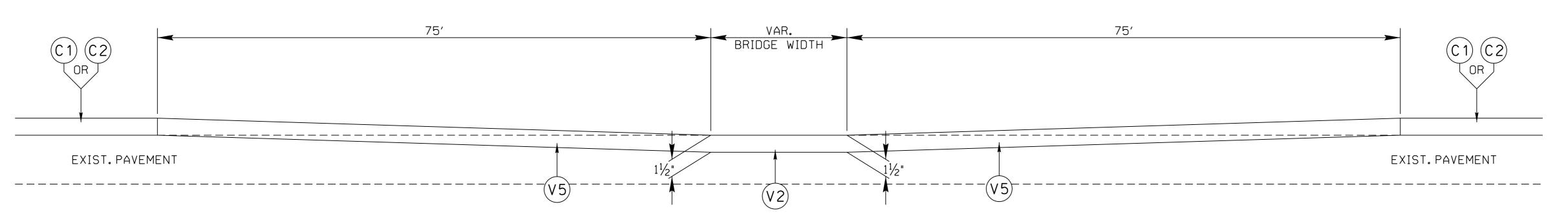


USE TYPICAL SECTION NO.2

FROM SOUTH OF MILE MARKER 17 TO MILE MARKER 22

NOTES:(I) MILL THE EXISTING RUMBLE STRIPS AT BOTH INSIDE AND OUTSIDE SHOULDERS
IN BOTH DIRECTIONS AND FILL WITH SAND-ASPHALT MIX, TYPE SA-I (C3)
(2) REMOVE AND REPLACE CONTROL OF ACCESS FENCE WITHIN PROJECT LIMITS
INCLUDING RAMPS IN ORIGINAL LOCATION OR AS DIRECTED BY ENGINEER

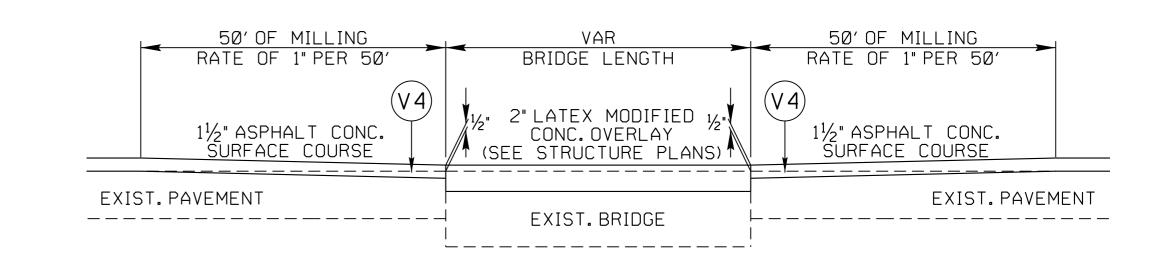
.au/Proj. .au/Proj.15308_rdy_typ.dgn RNAMF&&&



DETAIL NO. 2 FOR MILLING UNDER BRIDGES

USE DETAIL NO.2
Use with Typical Section No.2

PAVEMENT SCHEDULE	
C2	1½" TYPE S9.5D
V2	1½" MILLED ASPHALT PAVEMENT
V4	VAR. 0" TO 1" MILLED ASPHALT PAVEMENT
V5	VAR. 0" TO 1½" MILLED ASPHALT PAVEMENT



DETAIL NO.3 FOR TIE-IN AT BRIDGE

USE DETAIL NO.3

Use with Typical Section No.2

USE DETAIL NO. 3 AT THE FOLLOWING LOCATIONS:

BRIDGE NO. 144 ON 1-95 OVER RAILROAD BRIDGE NO. 145 ON 1-95 OVER RAILROAD

BRIDGE NO.146 ON 1-95 OVER LUMBER RIVER

NOTE:(I) ASPHALT CONC SURFACE COURSE (A.C.S.C.)

MAY REQUIRE MODIFICATION TO MATCH FINISHED GRADE.

GRADE TO BE DETERMINED IN FIELD. A.C.S.C.MAY BE USED

TO WEDGE FOR TIE-IN AT APPROACH AS APPROVED BY ENGINEER.

PROJECT REFERENCE NO.

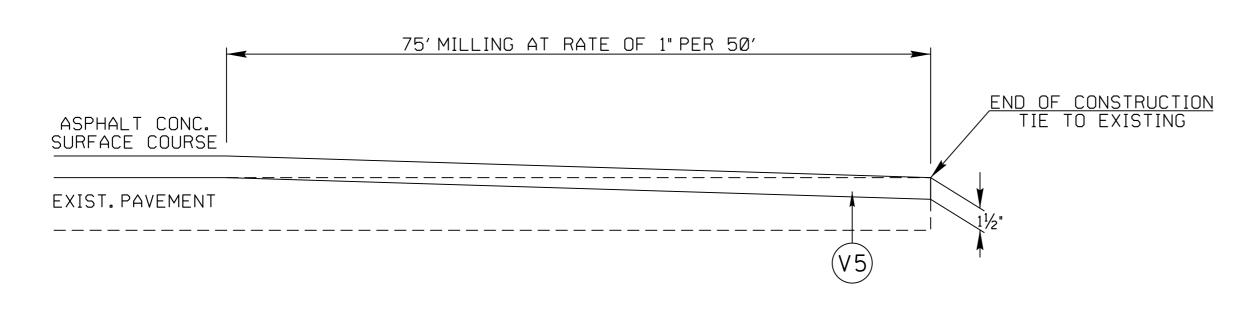
1-5308

ROADWAY DESIGN

SHEET NO.

2A-2

PAVEMENT DESIGN



DETAIL NO. 5 FOR MILLING PAVEMENT AT THE END OF CONSTRUCTION

USE DETAIL NO.5

Use with Typical Section No. 2

USE DETAIL NO. 5 AT THE FOLLOWING LOCATIONS:

BEGIN PROJECT MILE MARKER 16 NORTHBOUND AND SOUTHBOUND

END PROJECT MILE MARKER 22 NORTHBOUND AND SOUTHBOUND

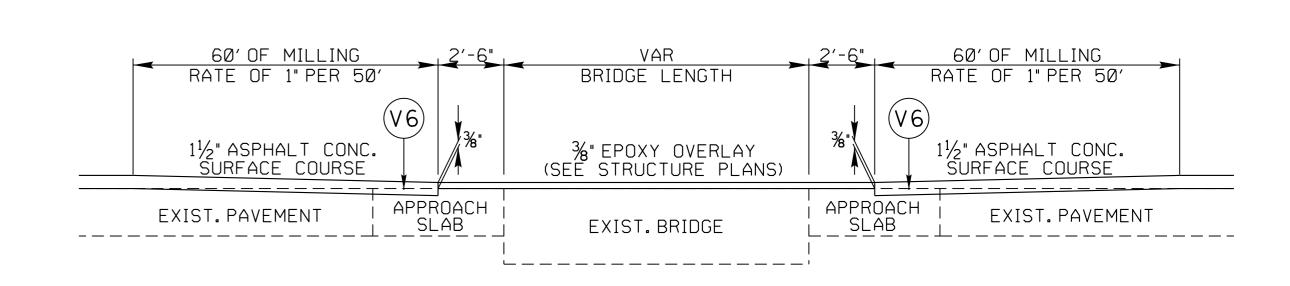
END OF CONST.LIMITS - FOUR RAMPS AT EXIT 17 ON 1-95

END OF CONST.LIMITS - FOUR RAMPS AT EXIT 19 ON 1-95
END OF CONST.LIMITS - FOUR RAMPS AND TWO LOOPS AT EXIT 20 ON 1-95

END OF CONST.LIMITS - FOUR RAMPS AT EXIT 22 ON 1-95

NOTES: (I) MILL AT A RATE OF I" PER 50'

(2) USE DETAILS 6 AND 7 (SHEET 2B-I) TO LOCATE END OF CONST. LIMITS FOR RAMPS AND LOOPS



DETAIL NO. 4 FOR TIE-IN AT BRIDGE

USE DETAIL NO.4

Use with Typical Section No. 2

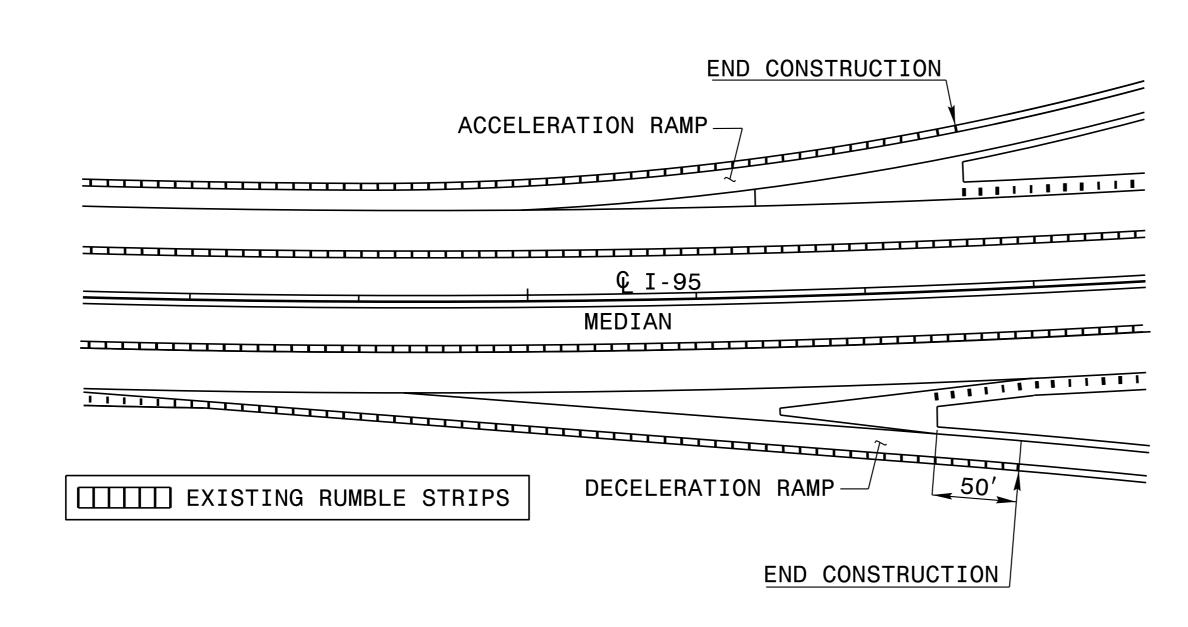
USE DETAIL NO. 4 AT THE FOLLOWING LOCATIONS:

BRIDGE NO.147 ON 1-95 OVER LUMBER RIVER

NOTE:(I) ASPHALT CONC SURFACE COURSE (A.C.S.C.) ON APPROACH SLABS
MAY REQUIRE MODIFICATION TO MATCH FINISHED GRADE.
GRADE TO BE DETERMINED IN FIELD. A.C.S.C.MAY BE USED
TO WEDGE FOR TIE-IN AT APPROACH AS APPROVED BY ENGINEER.

VAR. 0" TO 1½8" MILLED ASPHALT PAVEMENT

	project reference no. $1-5308$		SHEET NO.
			2B-I
	ROADWAY DESIGN ENGINEER LARO OFESS/ON 1/872015 SEAL 016378 OFESS/ON PARTITION DocuSigned by: PARTITION SUBJECT DEABSASDADE		



DETAIL NO.6 FOR PAVING LIMTS AT RAMPS

USE DETAIL NO.6 AT THE FOLLOWING LOCATIONS:

BEGIN PROJECT MILE MARKER 16 NORTHBOUND AND SOUTHBOUND

END PROJECT MILE MARKER 22 NORTHBOUND AND SOUTHBOUND

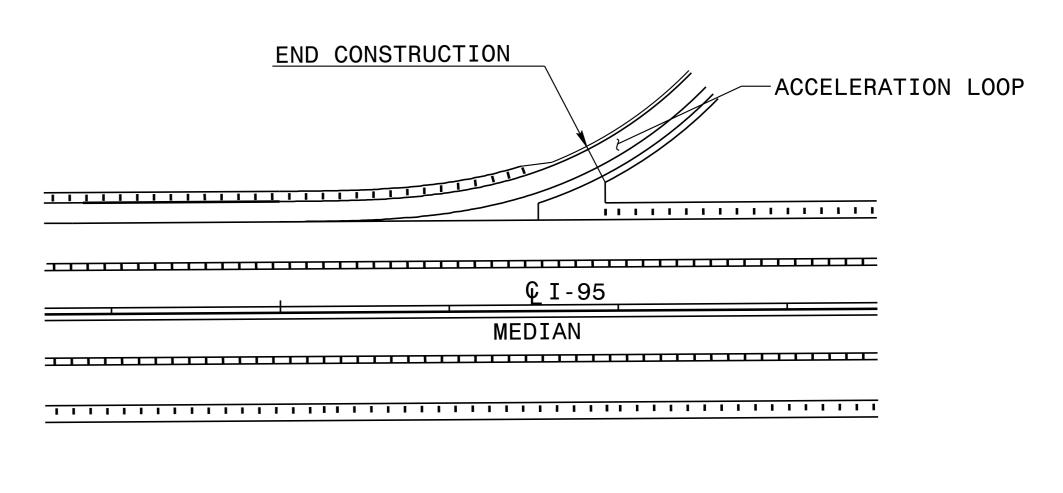
END OF CONST.LIMITS - FOUR RAMPS AT EXIT 17 ON 1-95

END OF CONST.LIMITS - FOUR RAMPS AT EXIT 19 ON 1-95 END OF CONST.LIMITS - FOUR RAMPS AT EXIT 20 ON 1-95

END OF CONST.LIMITS - FOUR RAMPS AT EXIT 22 ON 1-95

NOTES:(I) USE DETAIL 5 (SHEET 2A-2) FOR MILLING PAVEMENT AT END OF CONST.

(2) RESURFACE THE RAMPS TO THE END OF CONSTRUCTION LIMITS.



TITTE EXISTING RUMBLE STRIPS

DETAIL NO.7 FOR PAVING LIMTS AT LOOPS

USE DETAIL NO. 7 AT THE FOLLOWING LOCATIONS:

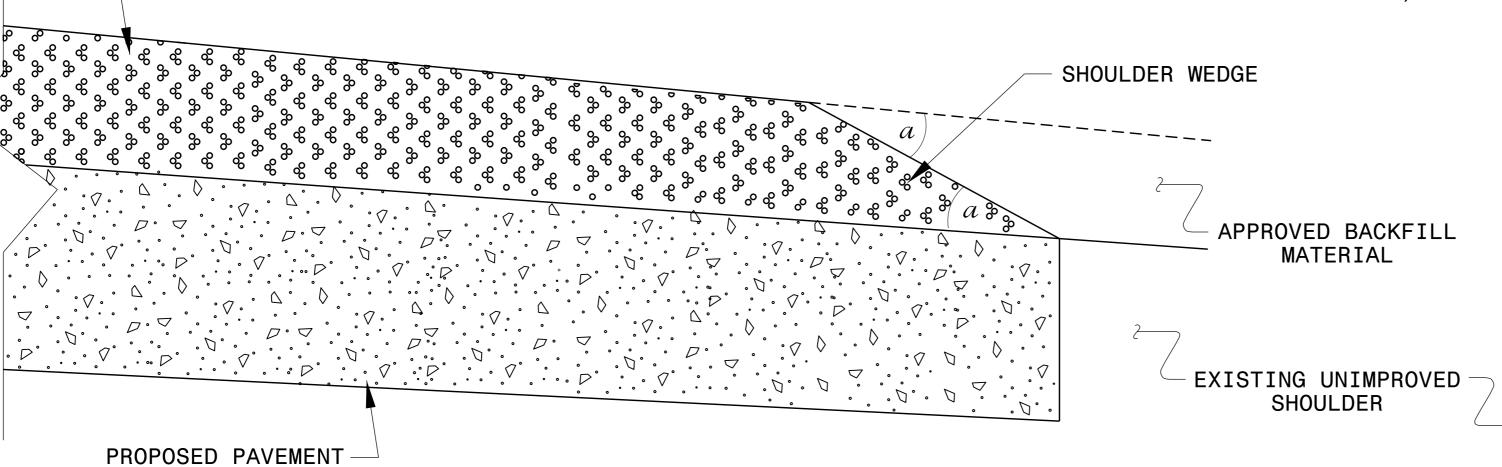
END OF CONST.LIMITS - TWO LOOPS AT EXIT 20 ON 1-95

NOTES:(I) USE DETAIL 5 (SHEET 2A-2) FOR MILLING PAVEMENT AT END OF CONST.
(2) RESURFACE THE LOOPS TO THE END OF CONSTRUCTION LIMITS.



NOTES:

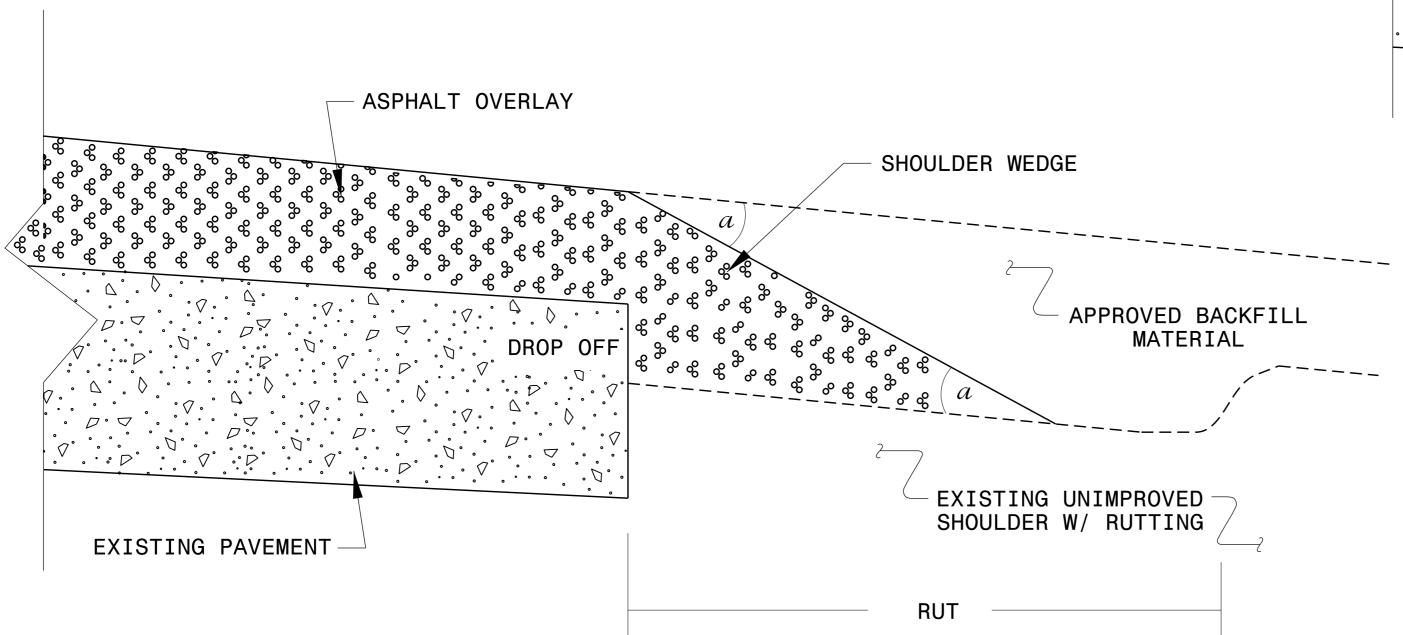
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

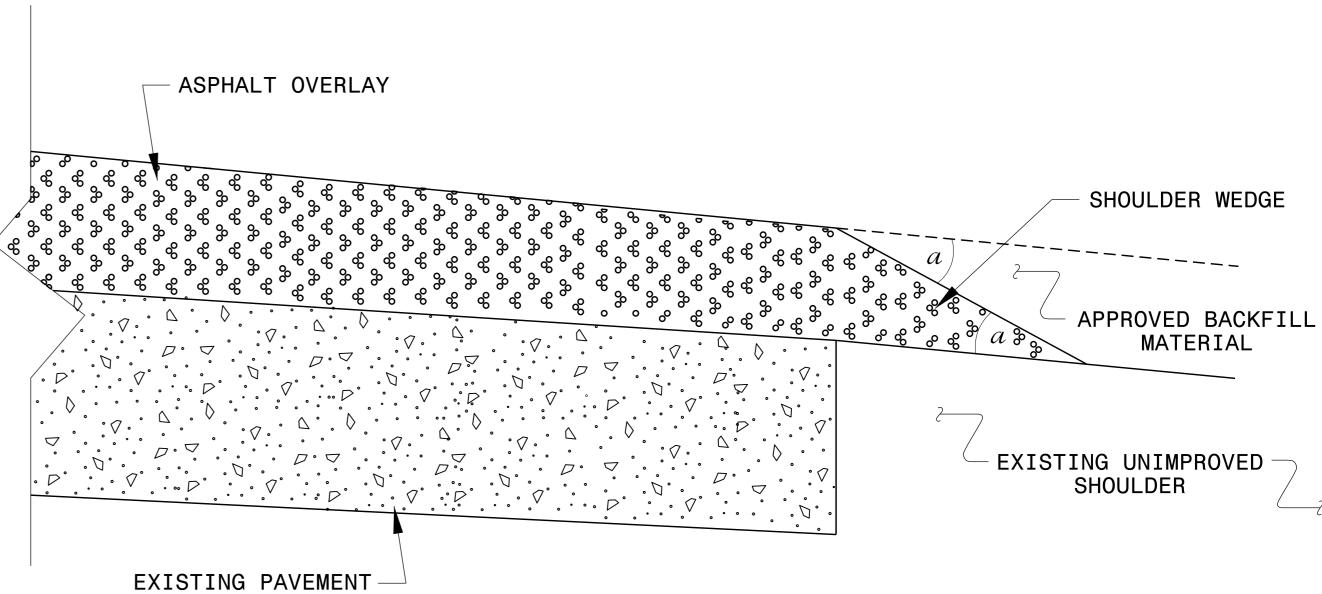


SHOULDER WEDGE DETAIL

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

ASPHALT OVERLAY





SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ NO Widening)



- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT Office 919-707-6950 FAX 919-250-4119

SHOULDER WEDGE DETAILS

ORIGINAL BY: T.SPEL	L DATE:7-19-11				
MODIFIED BY:	DATE:				
CHECKED BY:	DATE:				
FILE SPEC.: s:usr/details/stand/shoulderwedgedetail.dgn					

SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)