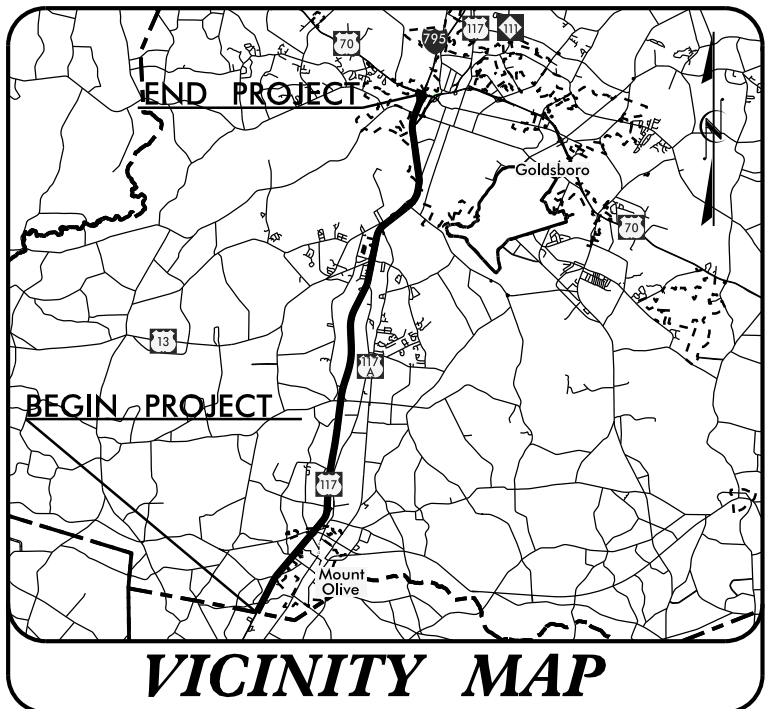


CONTRACT: C204441 TIP PROJECT: I-6048

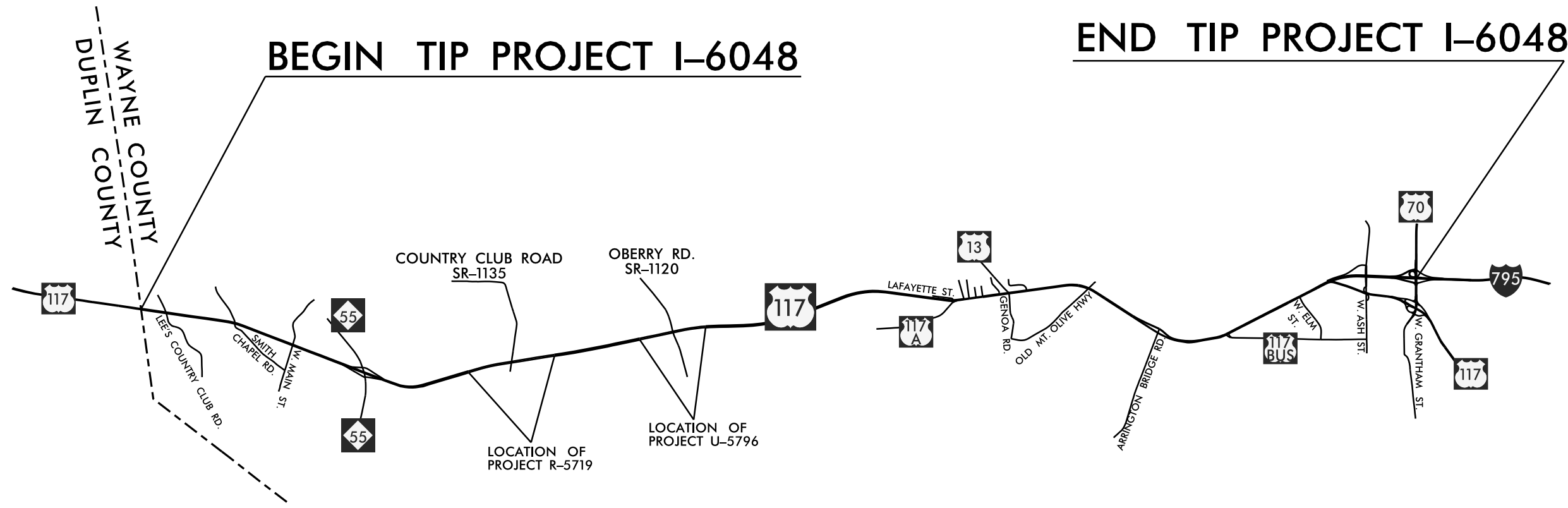


STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
**WAYNE COUNTY**

LOCATION: US 117 (FUTURE I-795) FROM US 70 TO DUPLIN COUNTY LINE

TYPE OF WORK: PAVEMENT REHABILITATION

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-6048	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
47997.1.1		PE	
47997.3.1	NHPIM-0117(048)	CONST	



ADT 2017 = 30,000  
 ADT =  
 K = %  
 D = %  
 T = % \*  
 V = 50 MPH  
 \* TTST = DUAL  
 FUNC CLASS =  
 PRINCIPAL ARTERIAL  
 TIER

**DESIGN DATA**

**PROJECT LENGTH**

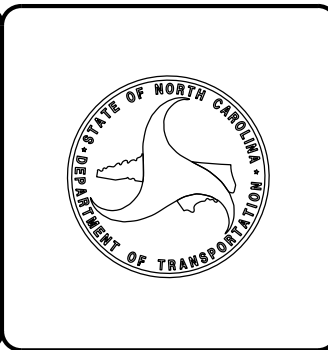
LENGTH ROADWAY I-6048 (US-117 SBL) = 14.72 MI  
 LENGTH ROADWAY I-6048 (US-117 NBL) = 14.74 MI

Prepared in the Office of:  
**DIVISION 4 DDC**  
 509 Ward Blvd., Wilson NC, 27893

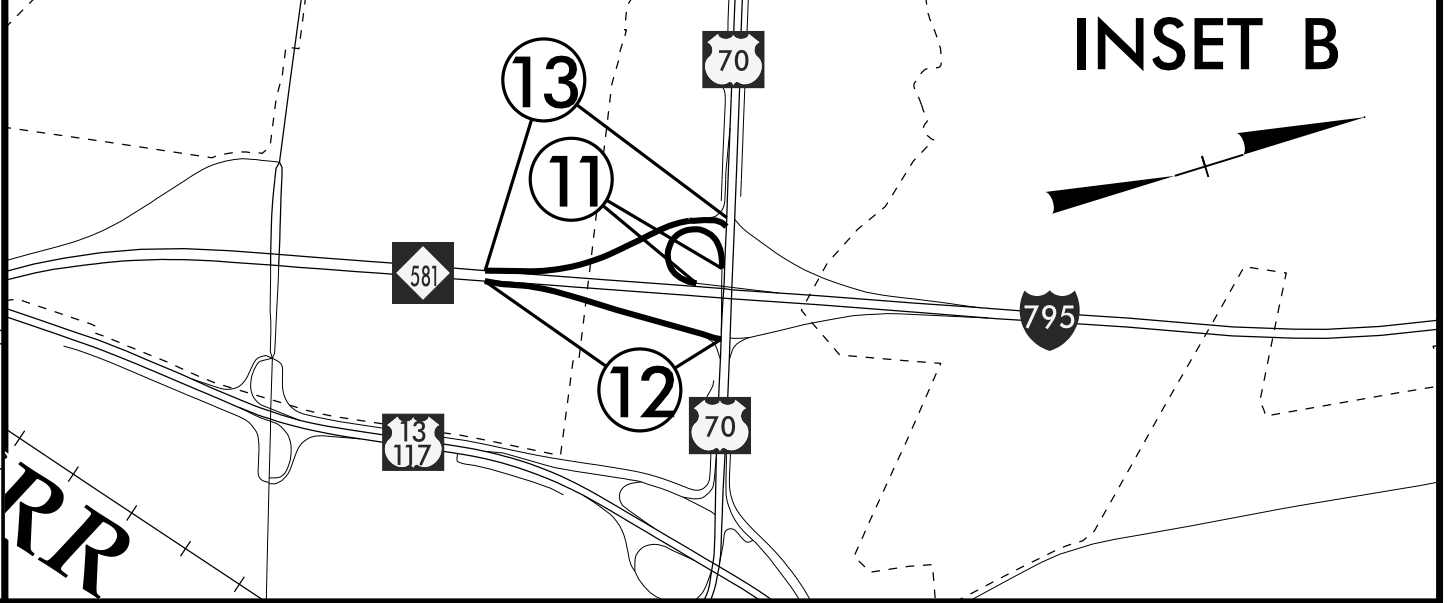
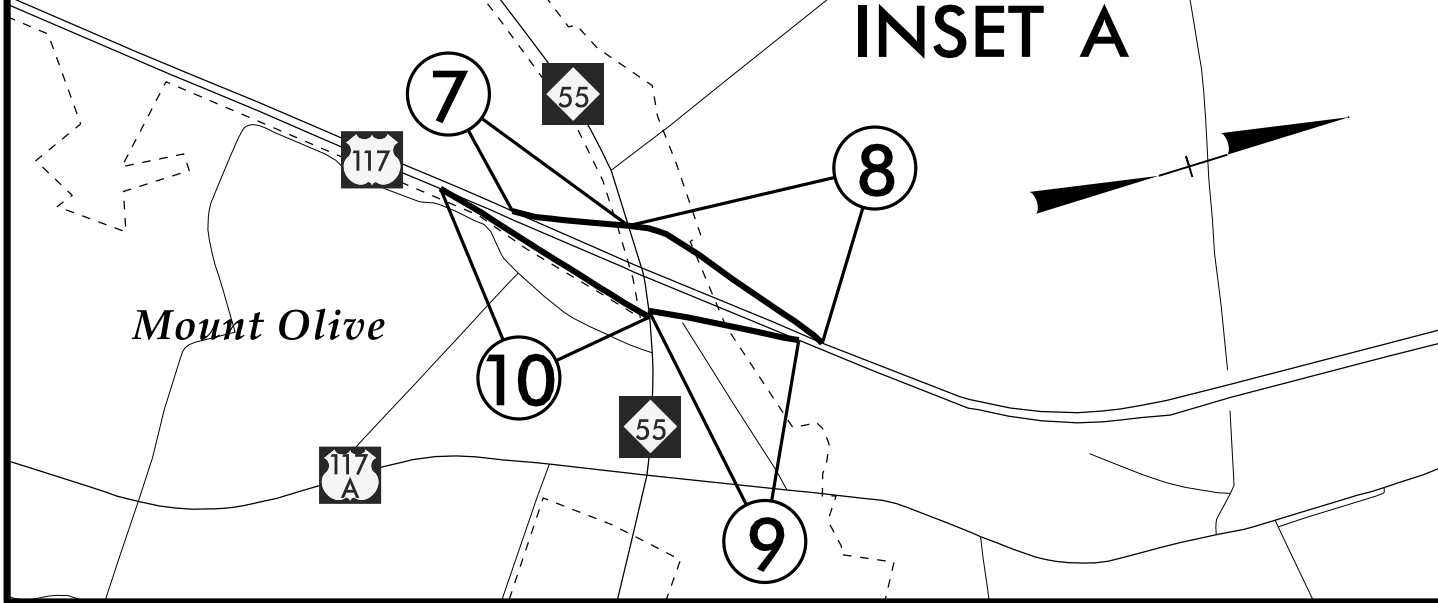
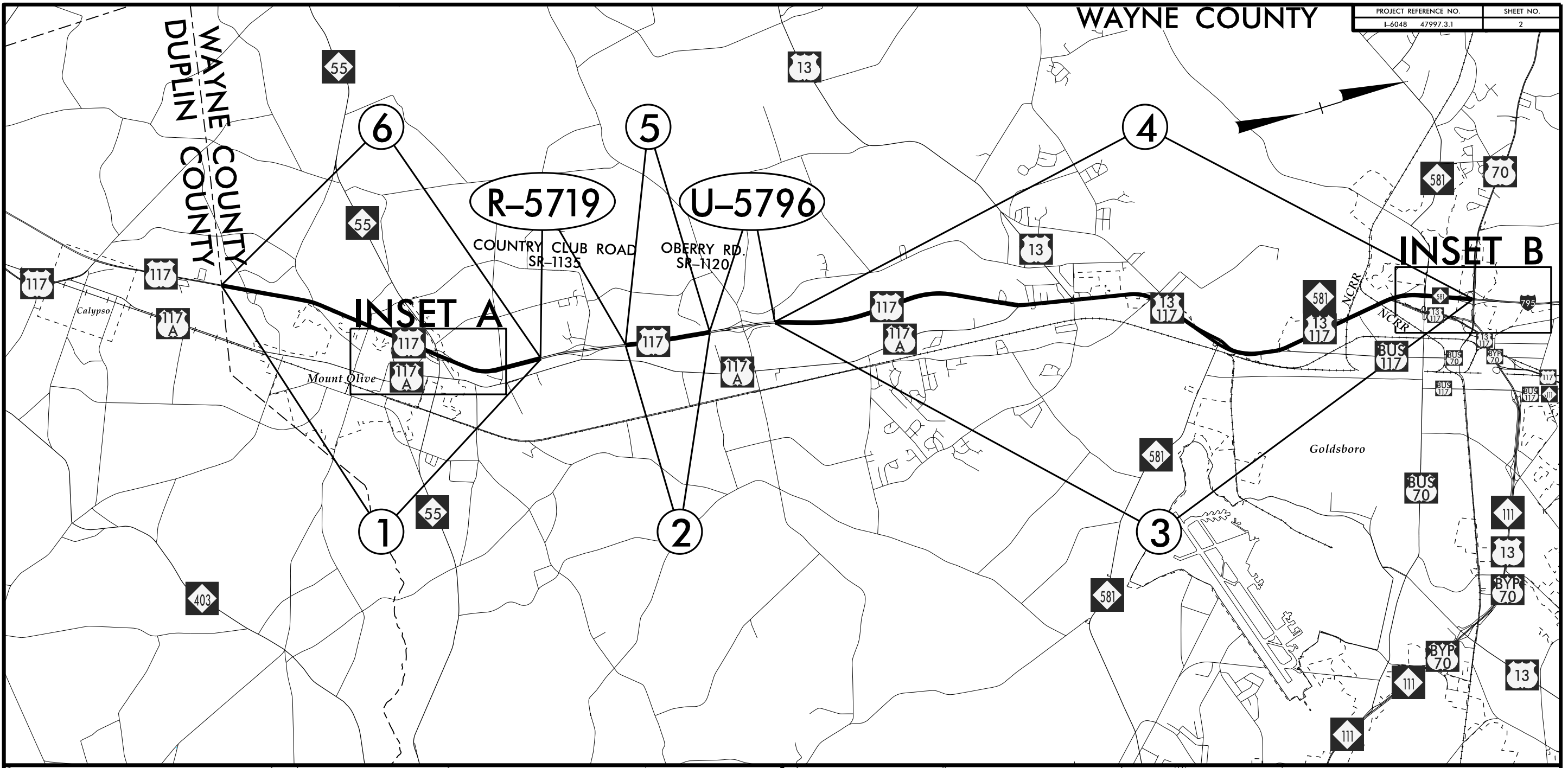
2018 STANDARD SPECIFICATIONS  
 RIGHT OF WAY DATE: N/A  
 LETTING DATE: AUGUST 17, 2021

K.G. BOWEN, PE  
 PROJECT ENGINEER

N.A. GAINEY, PE  
 PROJECT DESIGN ENGINEER



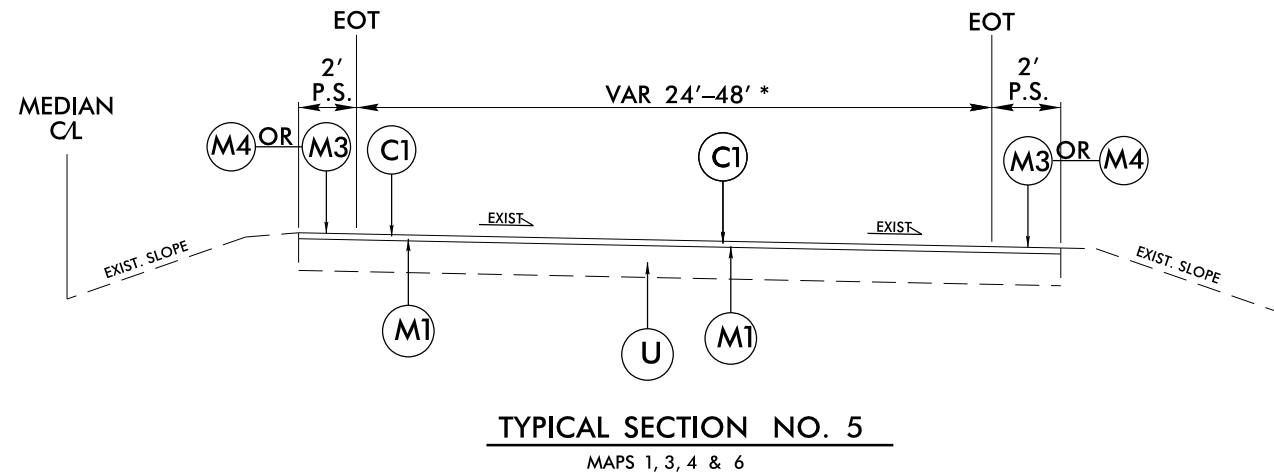
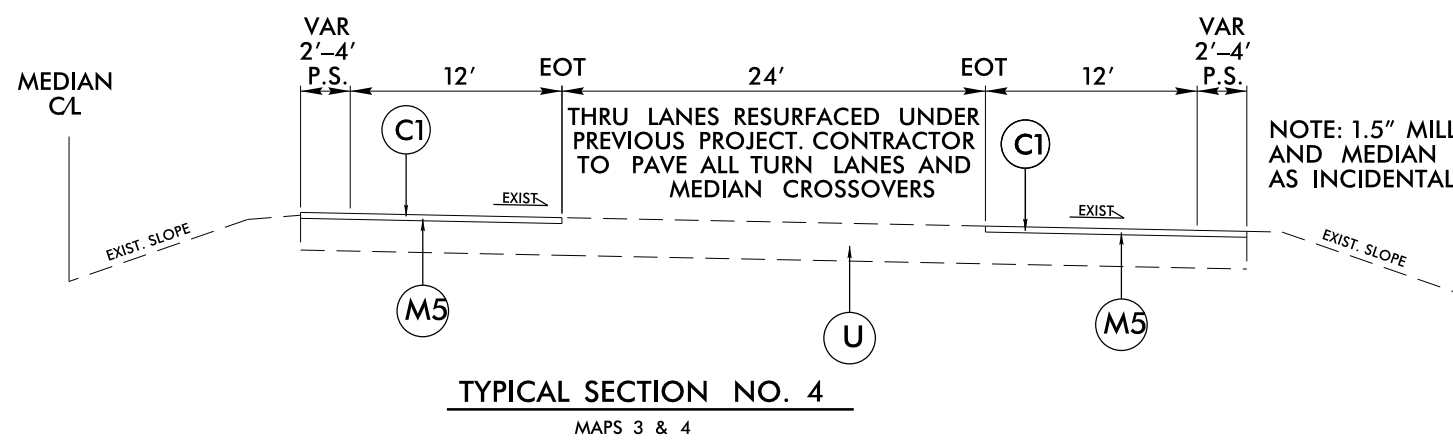
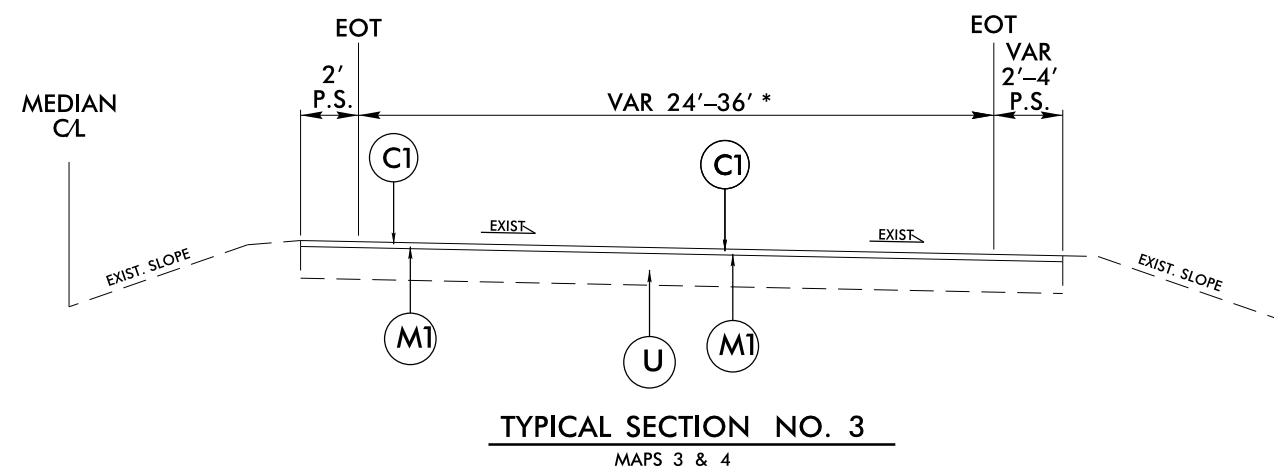
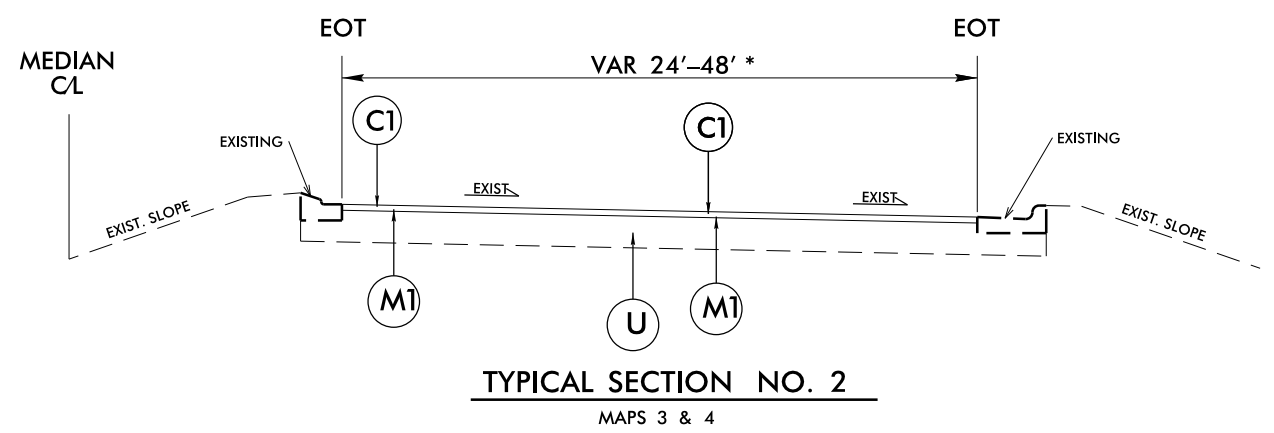
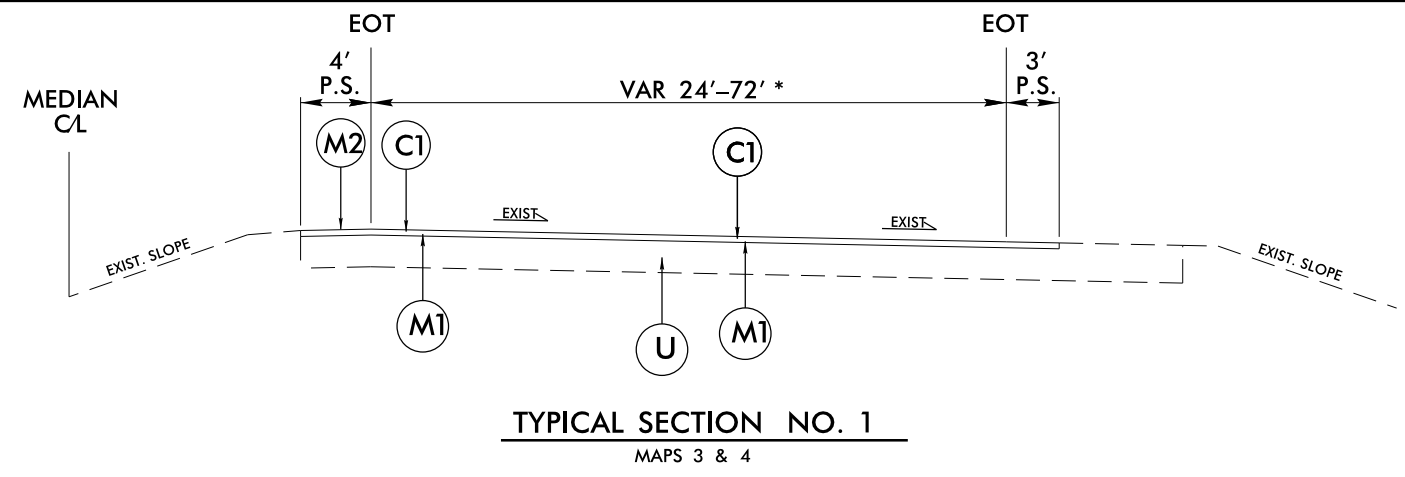
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 \$\$\$CDGN\$\$\$\$\$\$\$  
 \$\$\$USERNAME\$\$\$\$\$



### PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD
D1	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YARD
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YARD
M1	MILL EXISTING ASPHALT PAVEMENT 1.5" IN DEPTH
M2	MILLED RUMBLE STRIPS
M3	12" MILLED RUMBLE STRIPS
M4	8" MILLED RUMBLE STRIPS (6" EDGE LINE ON MILLED RUMBLE STRIPS)
M5	INCIDENTAL MILLING
T	EARTH MATERIAL
U	EXISTING PAVEMENT

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE. SEE SHOULDER WEDGE DETAIL



NOTE: MAP 1 & 6 USE 12" MILLED RUMBLE STRIPS (M3) FROM SR-1141 TO NC-55 SOUTHERN RAMPS AND FROM NC-55 NORTHERN RAMPS TO PAVEMENT JOINT 2950' SOUTH OF COUNTRY CLUB RD  
USE 8" MILLED RUMBLE STRIPS (M4) IN AREA OF NC-55.  
NO MILLED RUMBLE STRIPS FROM COUNTY LINE TO SR-1141

MAP 3 & 4 USE 12" MILLED RUMBLE STRIPS (M3) FROM PAVEMENT JOINT 2200' NORTH OF OBERRY RD TO US-117A. NO MILLED RUMBLE STRIPS FROM US-117A TO PAVEMENT JOINT .09 MI NORTH OF US 13 SOUTH.

\* INCLUDES ALL ADDITIONAL THRU LANES, TURN LANES AND MEDIAN CROSSOVERS

NOTE: LIMITS OF TYPICAL SECTIONS INDICATED ON THE SUMMARY OF QUANTITIES ARE APPROXIMATE. TYPICAL SECTION LIMITS AND TRANSITIONS TO BE VERIFIED BY THE ENGINEER IN FIELD.

5/14/99  
30-JUN-2021 15:05  
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\$\$\$\$\$USERNAME\$\$\$\$\$

5/14/99

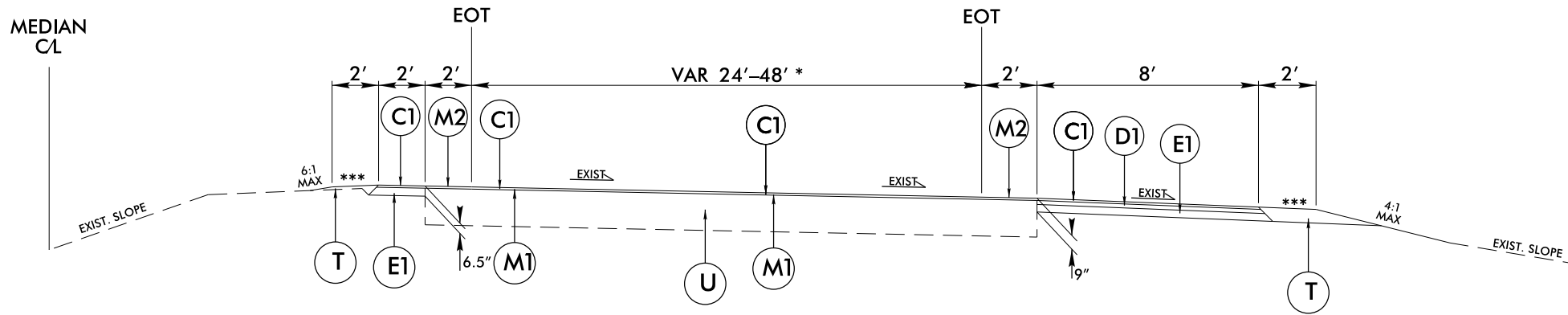
\*\*\* SEE 2018 ROADWAY STANDARD  
DRAWING 560.02 SHEETS 1 AND 2

PROJECT REFERENCE NO.	SHEET NO.
I-6048 47997.3.1	4

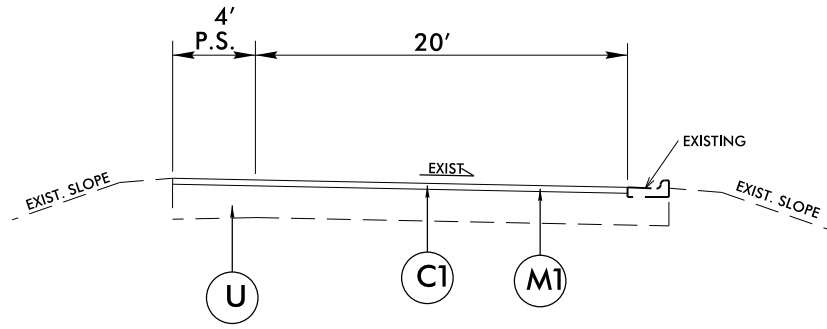
### PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD
D1	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YARD
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YARD
M1	MILL EXISTING ASPHALT PAVEMENT 1.5" IN DEPTH
M2	MILLED RUMBLE STRIPS
M3	12" MILLED RUMBLE STRIPS
M4	8" MILLED RUMBLE STRIPS (6" EDGE LINE ON MILLED RUMBLE STRIPS)
M5	INCIDENTAL MILLING
T	EARTH MATERIAL
U	EXISTING PAVEMENT

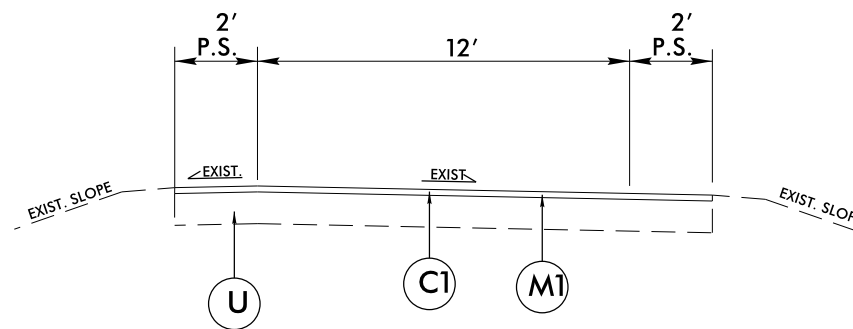
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE. SEE SHOULDER WEDGE DETAIL



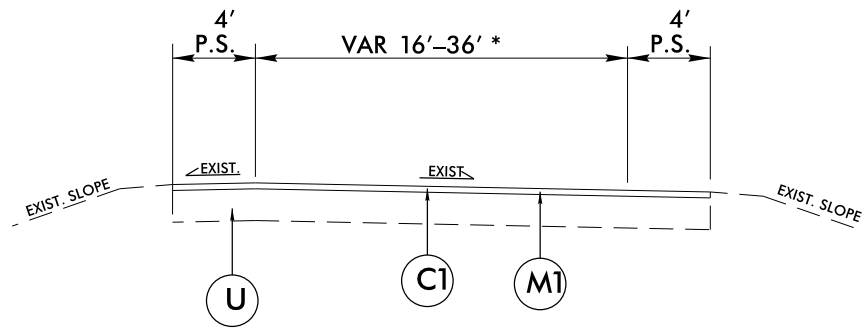
**TYPICAL SECTION NO. 6**  
MAPS 2 & 5



**TYPICAL SECTION NO. 7**  
MAP 11



**TYPICAL SECTION NO. 9**  
MAPS 7, 8, 9, & 10



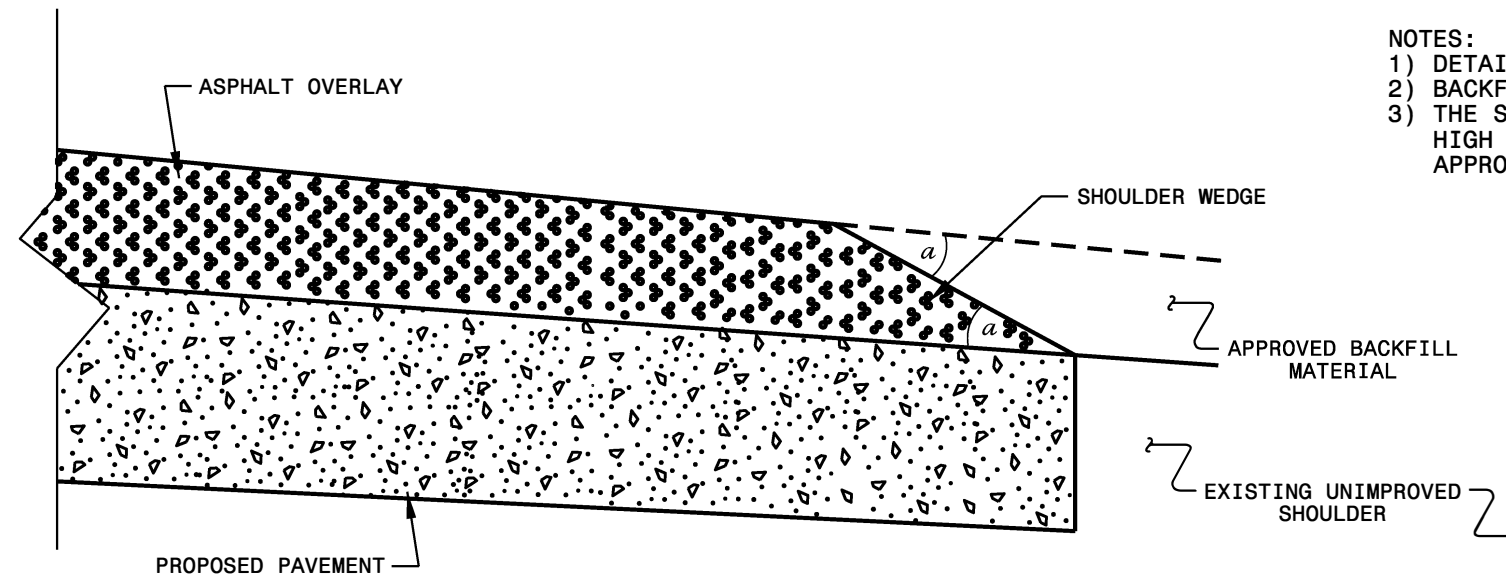
**TYPICAL SECTION NO. 8**  
MAPS 12 & 13

\* INCLUDES ALL ADDITIONAL THRU LANES, TURN LANES AND MEDIAN CROSSOVERS

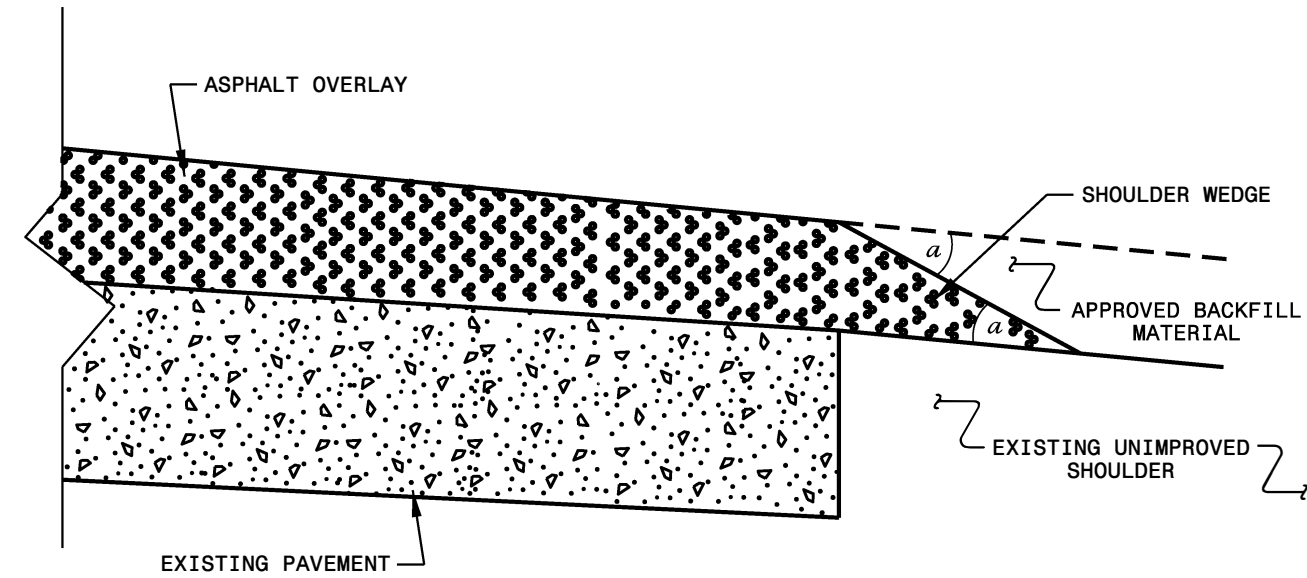
NOTE: LIMITS OF TYPICAL SECTIONS INDICATED ON THE SUMMARY OF QUANTITIES ARE APPROXIMATE. TYPICAL SECTION LIMITS AND TRANSITIONS TO BE VERIFIED BY THE ENGINEER IN FIELD.

30 JUN 2021 15:05  
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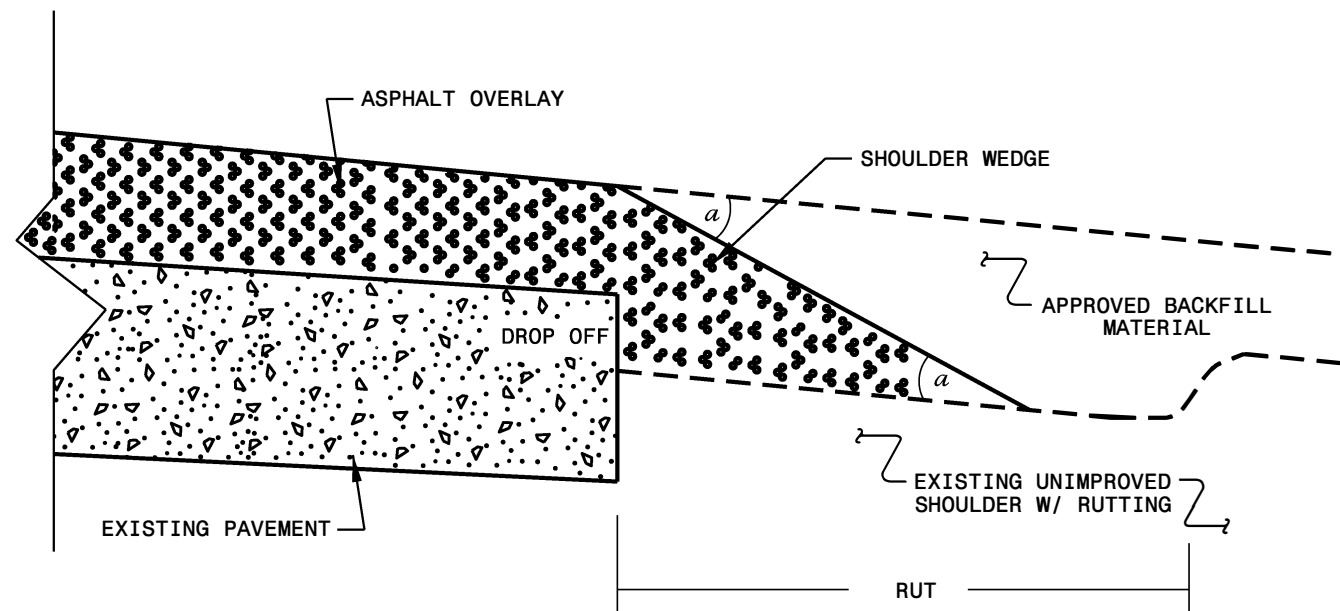
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**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°

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>	
Office 919-707-6950 FAX 919-250-4119	
<b>SHOULDER WEDGE DETAILS</b>	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 2/2/16
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn	









# SUMMARY OF QUANTITIES

PROJECT NO.	SHEET NO.	TOTAL NO.
I-6048 47997.3.1	9	

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYPICAL SECTION NO.	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	4845000000-N	4845000000-N	4845000000-N	4845000000-N	4891000000-E	4891000000-E	4895000000-N	6084000000-E	7444000000-E																	
												PAINT PAVEMENT MARKING SYMBOL RIGHT TURN ARROW	PAINT PAVEMENT MARKING SYMBOL STRAIGHT & LEFT TURN ARROW	PAINT PAVEMENT MARKING SYMBOL STRAIGHT ARROW	PAINT PAVEMENT MARKING SYMBOL STRAIGHT & RIGHT TURN ARROW	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS) WHITE	THERMOPLASTIC PAVEMENT MARKING LINES (16", 90 MILS) WHITE	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER (CRYSTAL/RED)	SEEDING & MULCHING	INDUCTIVE LOOP SAWCUT																	
												EA	EA	EA	EA	LF	LF	EA	ACR	LF																	
I-6048 47997.3.1	WAYNE	1	US 117 NBL	DUPLIN COUNTY LINE TO PAVEMENT JOINT 2950' SOUTH OF COUNTRY CLUB RD	5	2	MD	NO	NO	4.29	28	6		18				370																			
TOTAL FOR MAP NO. 1											4.29	6	18			370																					
I-6048 47997.3.1	WAYNE	2	US 117 NBL	PAVEMENT JOINT 2860' NORTH OF COUNTRY CLUB RD TO PAVEMENT JOINT 2250' SOUTH OF OBERRY RD	6	2	MD	NO	NO	1.09	38							75	1.50																		
TOTAL FOR MAP NO. 2											1.09					75	1.50																				
I-6048 47997.3.1	WAYNE	3	US 117 NBL	PAVEMENT JOINT 2200' NORTH OF OBERRY RD TO PAVEMENT JOINT .09 MI NORTH OF US 13 SOUTH	5	2	MD	NO	NO	3.99	28	6		22		60		315		600																	
I-6048 47997.3.1	WAYNE	3	US 117 NBL	PAVEMENT JOINT .09 MI NORTH OF US 13 SOUTH TO PAVEMENT JOINT 0.30 MI SOUTH OF US-117 BUS	4	2	MD	NO	NO	2.53	14	6			150		105			750																	
I-6048 47997.3.1	WAYNE	3	US 117 NBL	PAVEMENT JOINT 0.30 MI SOUTH OF US-117 BUS TO NCRR RXR	3	2	MD	NO	NO	1.18	28			4		110	90	130			450																
I-6048 47997.3.1	WAYNE	3	US 117 NBL	NCRR RXR TO NCRR RXR	2	2	MD	NO	NO	0.46	24			2	2	110	90	55			450																
I-6048 47997.3.1	WAYNE	3	US 117 NBL	NCRR RXR TO US 70	1	3	MD	NO	NO	1.20	43	8		12		110		210			1,200																
TOTAL FOR MAP NO. 3											9.36	20	40	2	540	180	815		3,450																		
I-6048 47997.3.1	WAYNE	4	US 117 SBL	US 70 TO NCRR RXR	1	3	MD	NO	NO	1.20	43	2		12		220	140	205			1,200																
I-6048 47997.3.1	WAYNE	4	US 117 SBL	NCRR RXR TO NCRR RXR	2	3	MD	NO	NO	0.45	36			4	2	170	140	85			600																
I-6048 47997.3.1	WAYNE	4	US 117 SBL	NCRR RXR TO PAVEMENT JOINT 0.30 MI SOUTH OF US-117 BUS	3	2	MD	NO	NO	1.18	28			2	2	60		130			450																
I-6048 47997.3.1	WAYNE	4	US 117 SBL	PAVEMENT JOINT 0.30 MI SOUTH OF US-117 BUS TO PAVEMENT JOINT .05 MI NORTH OF US 13 SOUTH	4	2	MD	NO	NO	2.57	14	9				130		75			600																
I-6048 47997.3.1	WAYNE	4	US 117 SBL	PAVEMENT JOINT .05 MI NORTH OF US 13 SOUTH TO PAVEMENT JOINT 2200' NORTH OF OBERRY RD	5	2	MD	NO	NO	3.94	28	10		34		100		320			600																
TOTAL FOR MAP NO. 4											9.34	21	52	4	680	280	815		3,450																		
I-6048 47997.3.1	WAYNE	5	US 117 SBL	PAVEMENT JOINT 2250' SOUTH OF OBERRY RD TO PAVEMENT JOINT 2860' NORTH OF COUNTRY CLUB RD	6	2	MD	NO	NO	1.09	38							75	1.50																		
TOTAL FOR MAP NO. 5											1.09							75	1.50																		
I-6048 47997.3.1	WAYNE	6	US 117 SBL	PAVEMENT JOINT 2950' SOUTH OF COUNTRY CLUB RD TO DUPLIN COUNTY LINE	5	2	MD	NO	NO	4.29	28	8		18		80		410																			
TOTAL FOR MAP NO. 6											4.29	8	18		80		410																				
I-6048 47997.3.1	WAYNE	7	US-117 SBL ENTRANCE RAMP	NC-55 TO US-117	9	1		NO	NO	0.13	16							10																			
TOTAL FOR MAP NO. 7											0.13							10																			
I-6048 47997.3.1	WAYNE	8	US 117 SBL EXIT RAMP	US-117 TO NC-55	9	1		NO	NO	0.26	16	2	2		60		25			300																	
TOTAL FOR MAP NO. 8											0.26	2	2		60		25		300																		
I-6048 47997.3.1	WAYNE	9	US 117 NBL ENTRANCE RAMP	NC-55 TO US-117	9	1		NO	NO	0.18	16																										
TOTAL FOR MAP NO. 9											0.18																										
I-6048 47997.3.1	WAYNE	10	US 117 NBL EXIT RAMP	US-117 TO NC-55	9	1		NO	NO	0.27	16	2	2		40		20			300																	
TOTAL FOR MAP NO. 10											0.27	2	2		40		20		300																		
I-6048 47997.3.1	WAYNE	11	US-117 SBL EXIT LOOP	US-117 TO US-70	7	1		NO	NO	0.15	24																										
TOTAL FOR MAP NO. 11											0.15																										
I-6048 47997.3.1	WAYNE	12	US-117 NBL EXIT RAMP	US-117 TO US-70	8	1		NO	NO	0.22	24	2						40			450																
TOTAL FOR MAP NO. 12											0.22	2					40		450																		
I-6048 47997.3.1	WAYNE	13	US-117 SBL ENTRANCE RAMP	US 70 TO US-117	8	1		NO	NO	0.25	24							30																			
TOTAL FOR MAP NO. 13											0.25						30																				
TOTAL											30.92	61	4	128	6	1,400	460	2,685	3	7,950																	
PAY ITEM TOTAL																1,400	460	2,685	3	7,950																	