

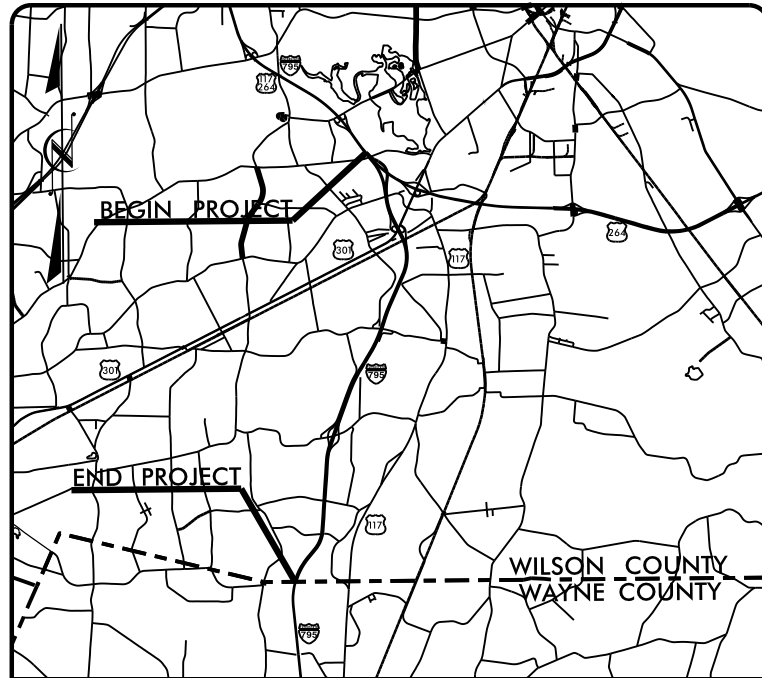
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5937	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45880.1.1		PE	
45880.3.1	NHPIM-0795(007)	CONSTRUCTION	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

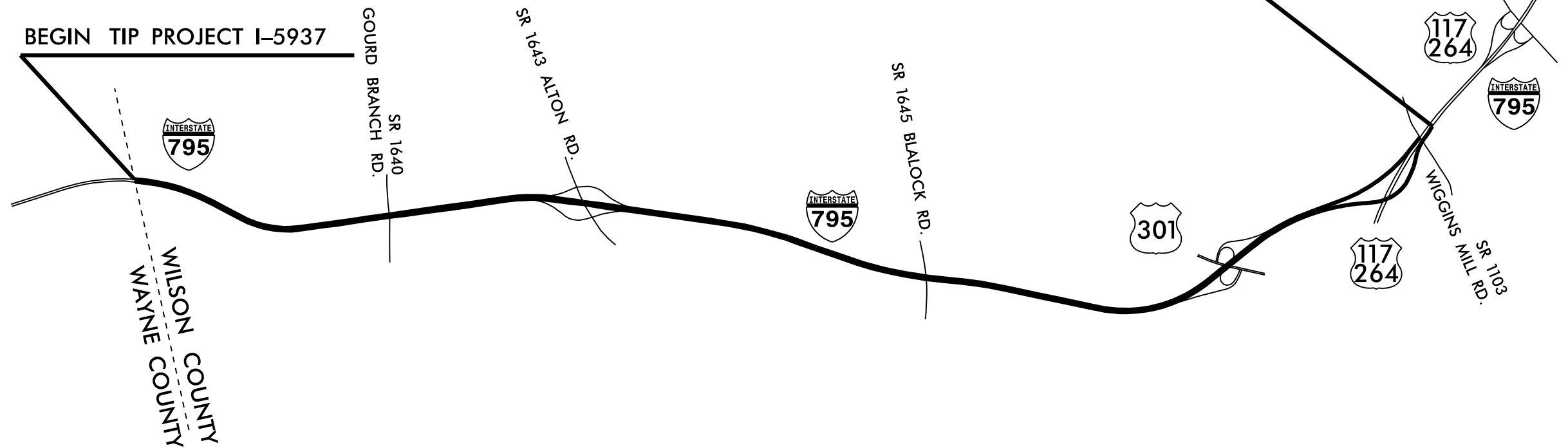
WILSON COUNTY

LOCATION: I795 FROM THE WAYNE COUNTY LINE TO
SR-1103 (WIGGINS MILL ROAD).

TYPE OF WORK: MAINLINE AND RAMP MILLING & PAVING,
SHOULDER RECONSTRUCTION



VICINITY MAP



TIP PROJECT: I-5937

CONTRACT: 204138

31-JAN-2018 09:40 S:\Contracts\Resurfacing Projects\Division 4\I-5937 Wilson March 2018\I-5937_DDC4_TSH.dgn

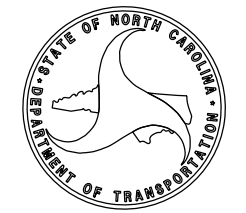
DESIGN DATA
ADT 2016 = 17,000
V = 70 MPH
FUNC CLASS =
INTERSTATE

PROJECT LENGTH

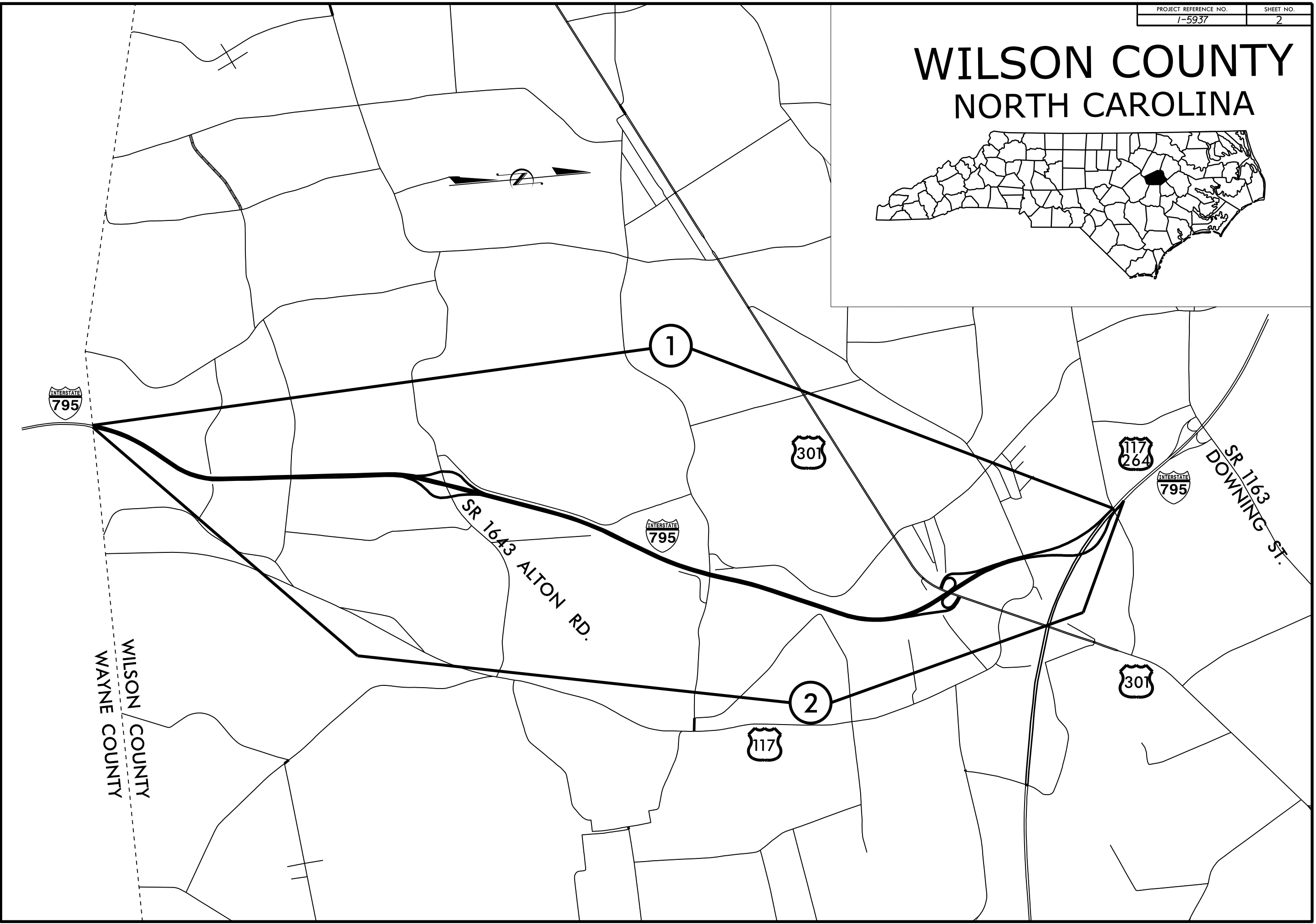
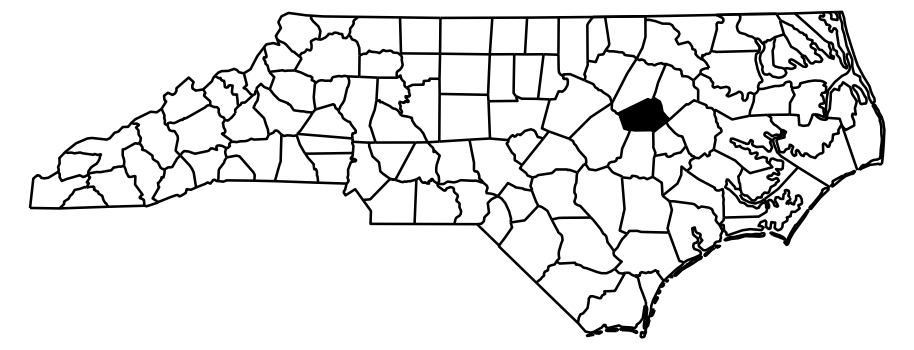
LENGTH ROADWAY TIP PROJECT I-5937 NBL = 7.70 MI
LENGTH ROADWAY TIP PROJECT I-5937 SBL = 7.52 MI

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2018 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: N/A	R.L. KEETER PE PROJECT ENGINEER
LETTING DATE: MARCH 20, 2018	N.A. GAINES PE PROJECT DESIGN ENGINEER



WILSON COUNTY NORTH CAROLINA

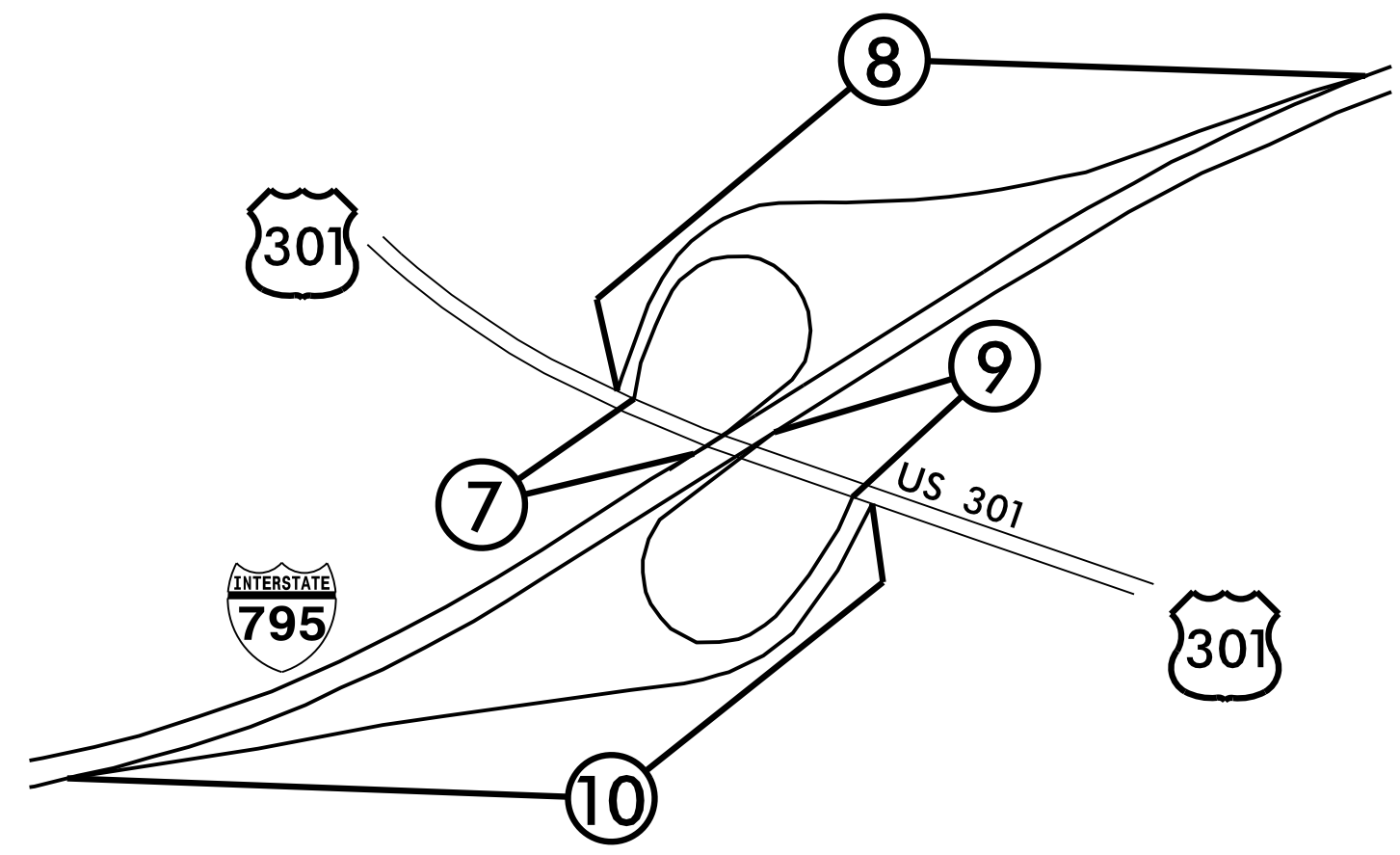
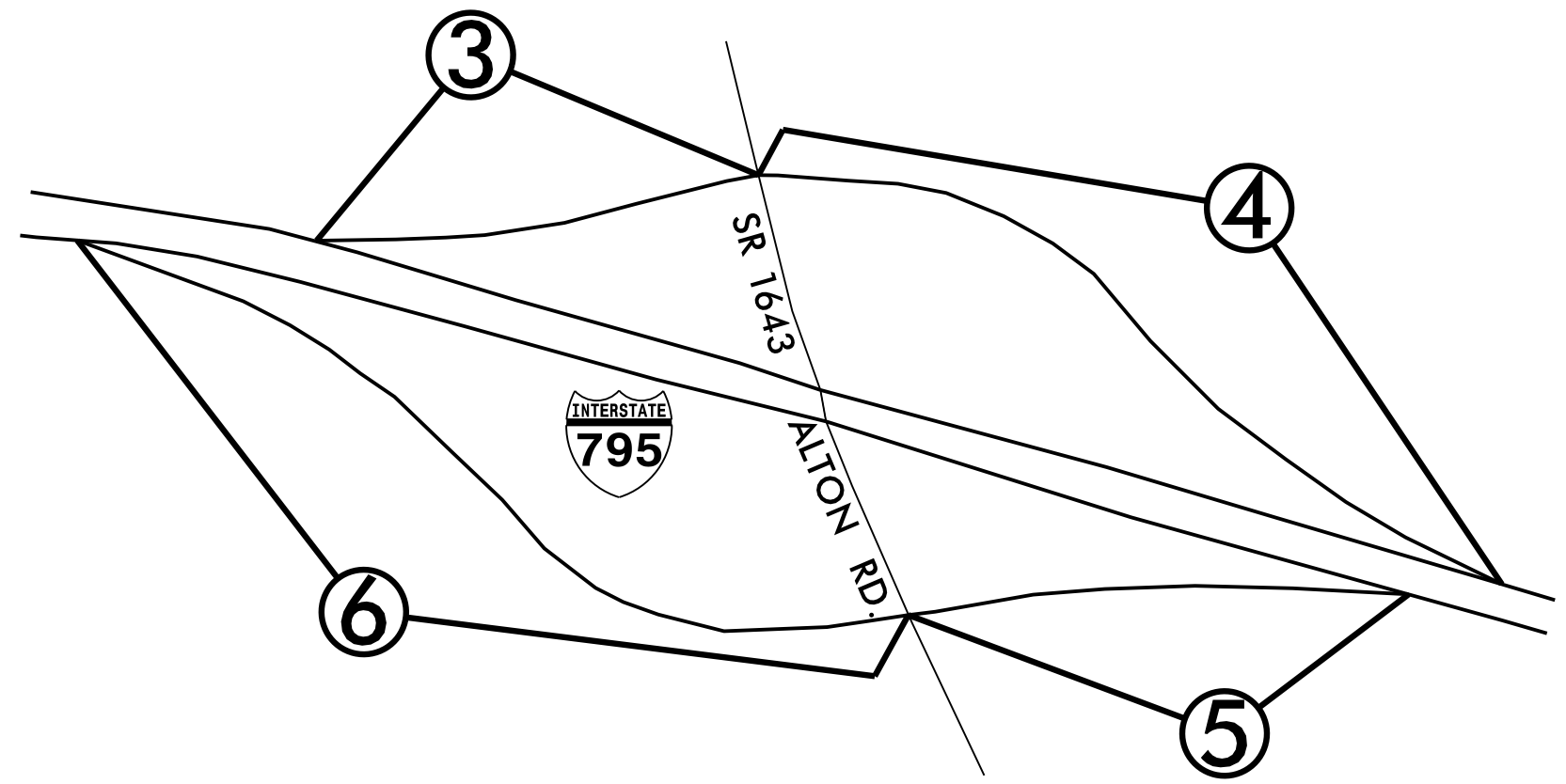
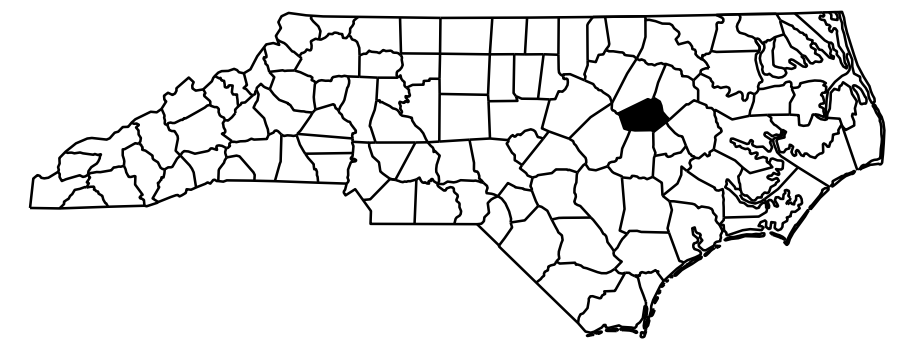


WILSON COUNTY
WAYNE COUNTY

REVISIONS

24-JAN-2018 17:48
S:\Contracts\2018\1-5937\Wilson March 2018\1-5937_DDC4_PSH_Resurf.dgn
8/17/99

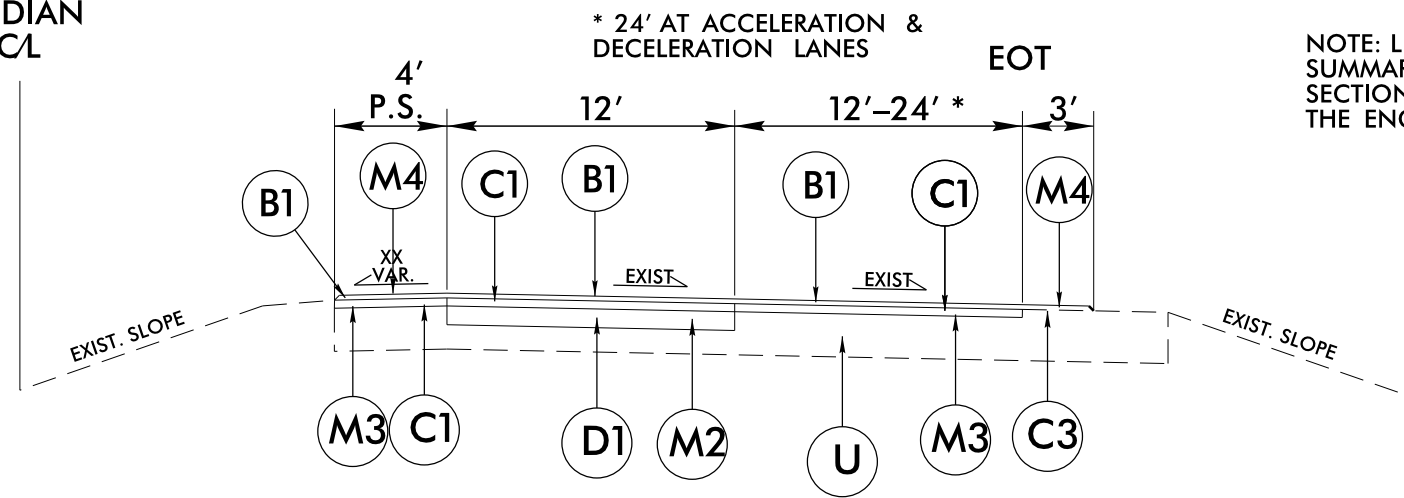
WILSON COUNTY NORTH CAROLINA



REVISIONS

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 8/17/99

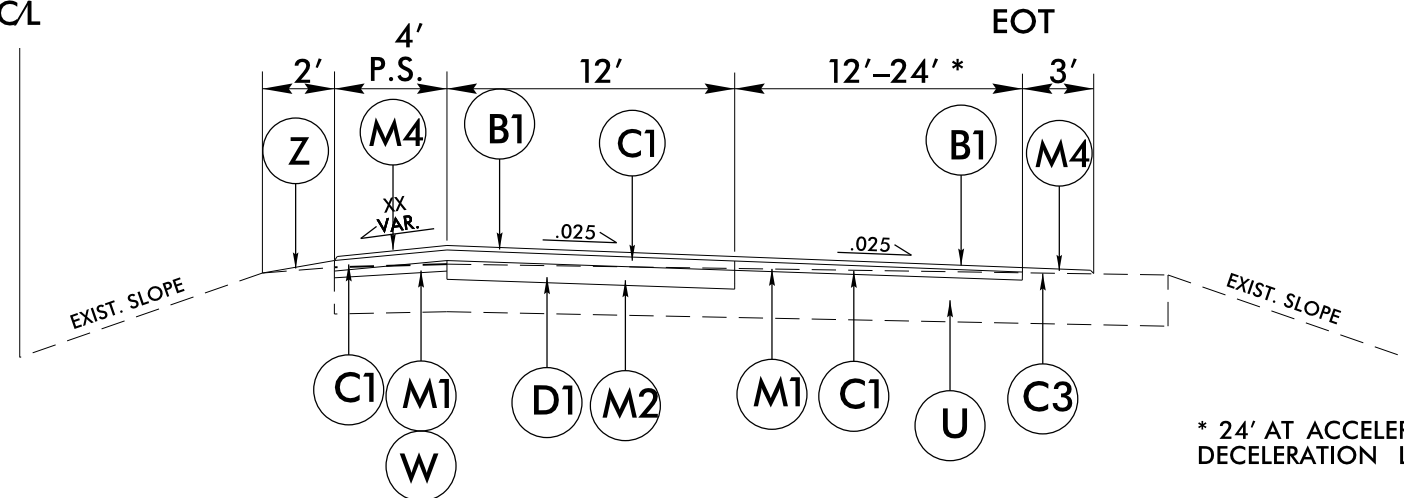
MEDIAN CL



TYPICAL SECTION NO. 1

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.

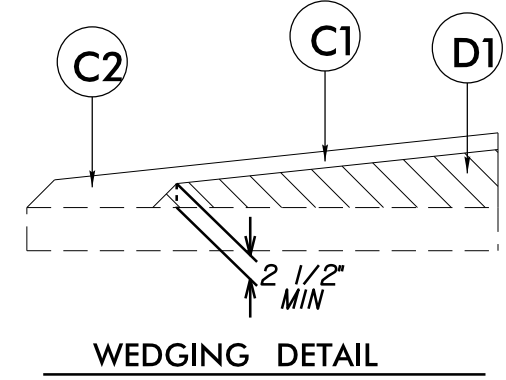
MEDIAN CL



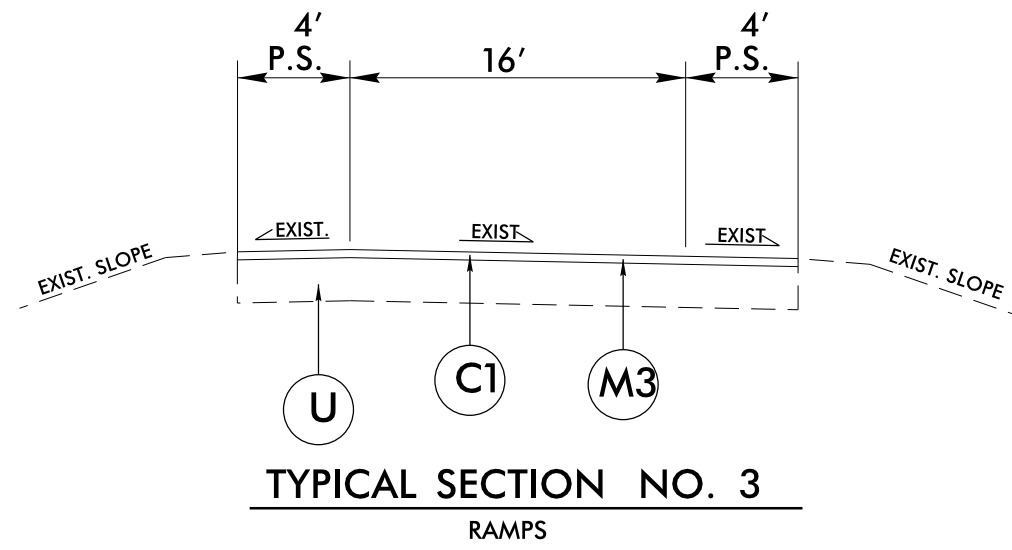
TYPICAL SECTION NO. 2

NOTE: TYPICAL SECTION 2A ON SOQ INDICATES REVERSE CROWN SECTIONS. MIRROR TYPICAL SECTION 2.

* 24' AT ACCELERATION & DECELERATION LANES

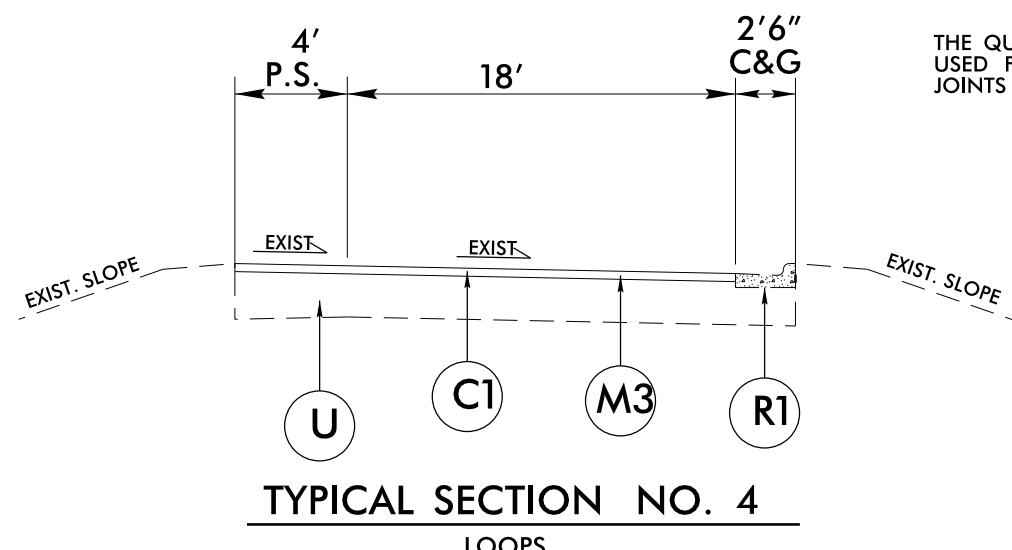


WEDGE WHERE NECESSARY ON SHOULDER TO ACHIEVE DESIRED CROSS SLOPE



TYPICAL SECTION NO. 3

RAMPS



TYPICAL SECTION NO. 4

LOOPS

PAVEMENT SCHEDULE

B1	PROP. OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MOD., AT AN AVERAGE RATE OF 90 LBS. PER SQ. YARD
C1	PROP. APPROX. 2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YARD
C2	PROP. VAR. DEPTH ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YARD PER 1" DEPTH TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH
C3	PROP. ASPHALT CONC. SURFACE COURSE, TYPE S4.75A, AT A RATE OF 100 LBS. PER SQ. YARD PER 1" DEPTH TO FILL EXISTING RUMBLE STRIPS.
D1	PROP. VAR. DEPTH ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YARD PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 2 1/2" OR GREATER THAN 4" IN DEPTH
M1	MILL EXISTING ASPHALT PAVEMENT 0" TO 2" IN DEPTH
M2	MILL EXISTING ASPHALT PAVEMENT 2" TO 4 1/2" IN DEPTH
M3	MILL EXISTING ASPHALT PAVEMENT 2" IN DEPTH
M4	MILLED RUMBLE STRIPS
U	EXISTING PAVEMENT
R1	EXISTING 2'6" CONCRETE CURB AND GUTTER
W	WEDGING (SEE DETAIL)
Z	SHOULDER RECONSTRUCTION USING AGGREGATE SHOULDER BORROW AS DIRECTED BY THE ENGINEER.

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

PAVED SHOULDER SLOPES

TAPER PAVING OPERATIONS ACROSS EXISTING PAVED SHOULDERS ACCORDING TO THE PLANS AND AS DIRECTED BY THE ENGINEER

MEDIAN PAVED SHOULDERS

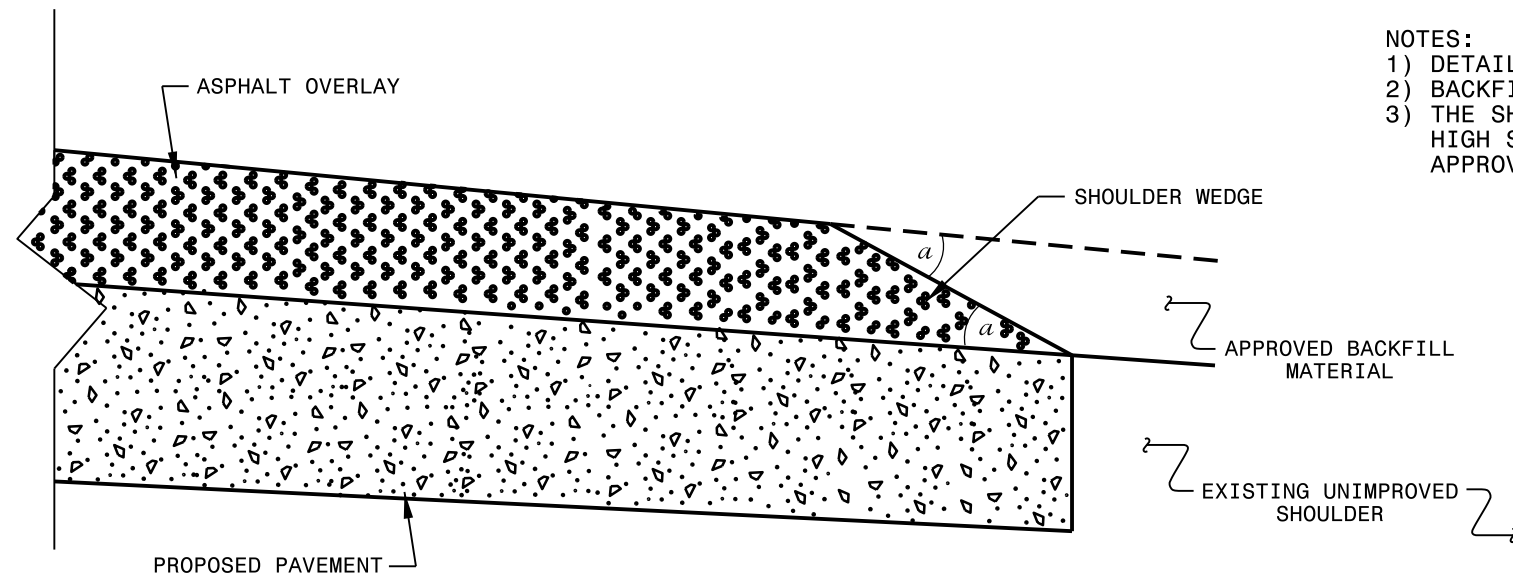
XX 0.035 MAX. SLOPE IN TANGENT SECTIONS
0.06 MAX. ROLLOVER IN SUPERELEVATED SECTIONS

THE QUANTITY FOR OGAFC FC-1 MOD. IS INCLUDED TO BE USED FOR RAMP TIE-INS, GORE AREAS AND CONSTRUCTION JOINTS PER NCDOT STANDARD SPECIFICATION.

6/2/99
24-JAN-2018 15:47
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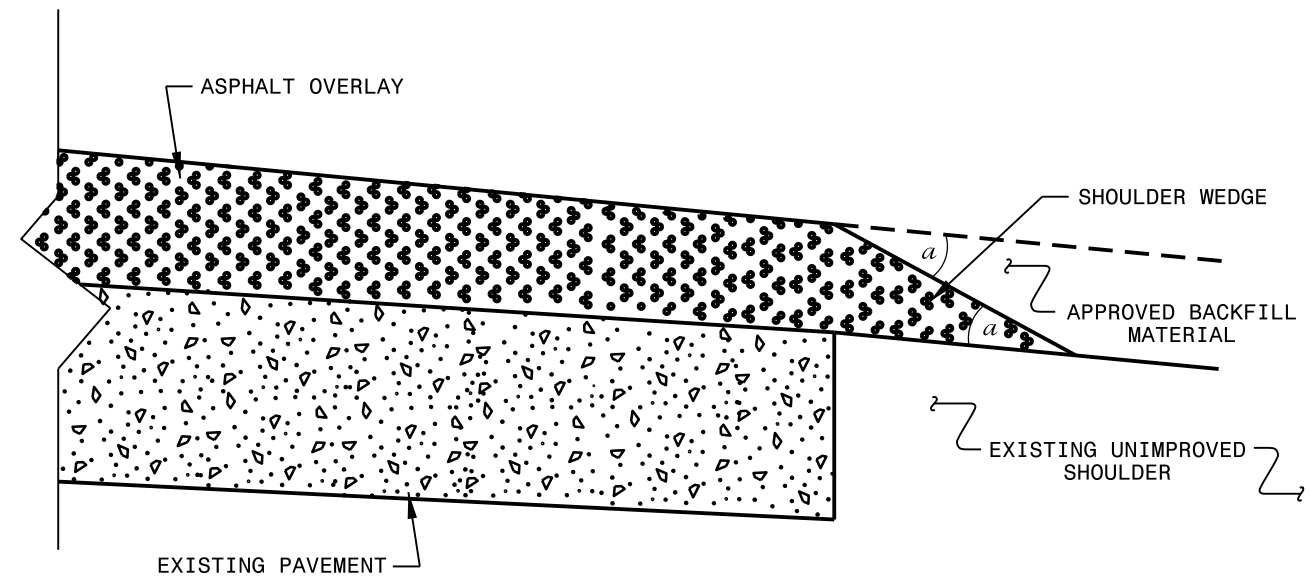
NOTES:

- 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, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



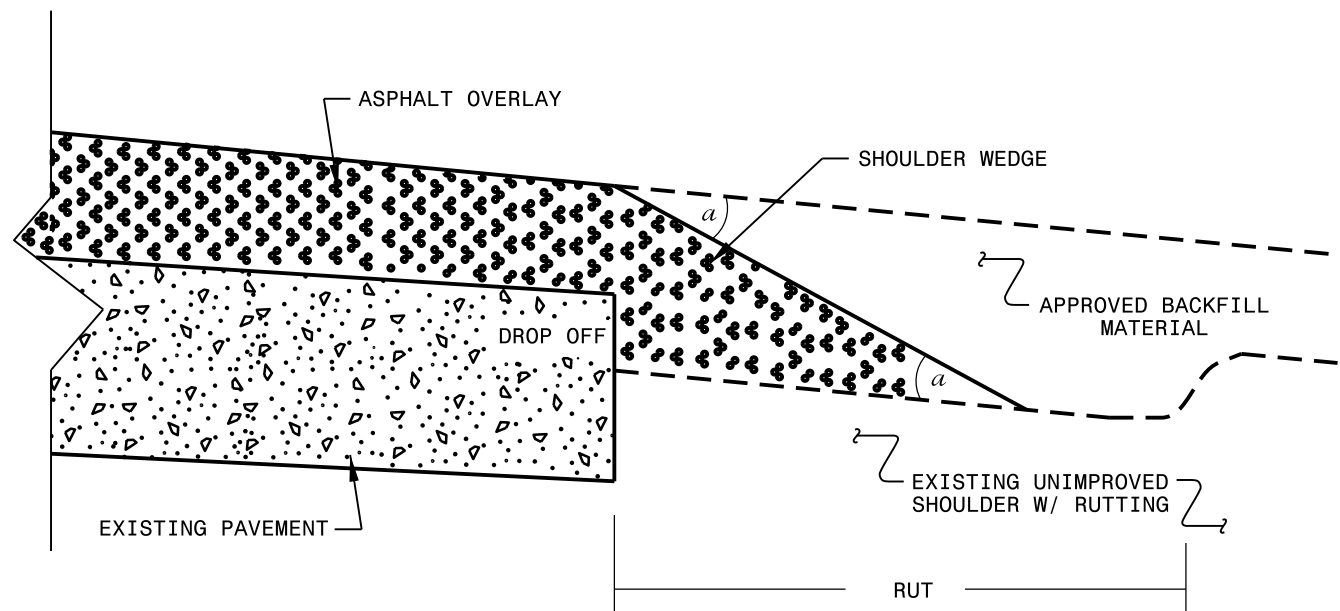
SHOULDER WEDGE DETAIL

(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°

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: 2/2/16	
CHECKED BY:	DATE:	
FILE SPEC.: szusr/details/stand/shoulderwedgedetail.dgn		

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5937 - 45880.3.1	6	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	2" MILLING SY	0-2" MILLING SY	2-4.5" MILLING SY	ASPHALT CONC INT COURSE, TYPE I19.0C TON	ASPHALT CONC SURFACE COURSE, TYPE S4.75A TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D TON	OGAFC, TYPE FC-1 MOD TON	ASPHALT BINDER FOR PLANT MIX TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX TON	MILLED RUMBLE STRIPS std. 665.01 LF	SHOULDER RECONSTRUCTION SMI	AGGREGATE SHOULDER BORROW TON	INDUCTIVE LOOP SAWCUT LF					
I-5937	WILSON	1	I-795 SBL	WAYNE/WILSON COUNTY LINE MP 11.78 TO MP 11.32	1	2	MD	YES	NO	0.46	28	4,318		3,238	554	7	846	376	27	71	4,858								
				MP 11.32 TO MP 11.21	2	2	MD	YES	NO	0.11	28				1,033	774	132	2	212	90	6	18	1,162	0.11	22				
				MP 11.21 TO MP 10.82	1	2	MD	YES	NO	0.39	28				3,661	2,746	469	6	718	319	23	60	4,118						
				MP 10.82 TO MP 9.73	2	2	MD	YES	NO	1.09	28					10,231	7,674	1,312	16	2,107	892	64	175	11,510	1.09	218			
				MP 9.73 TO MP 9.39	1	2	MD	YES	NO	0.34	28					5,297	2,394	409	5	861	373	20	72	3,590					
				MP 9.39 TO MP 8.52	2	2	MD	YES	NO	0.87	28						9,837	6,125	1,047	13	1,877	787	51	155	9,187	0.87	174		
				MP 8.52 TO MP 8.07	2A	2	MD	YES	NO	0.45	28						4,224	3,168	542	7	869	368	26	72	4,752	0.45	90		
				MP 8.07 TO MP 7.13	2	2	MD	YES	NO	0.94	28						8,823	6,618	1,132	14	1,816	769	55	150	9,926	0.94	188		
				MP 7.13 TO MP 6.89	2A	2	MD	YES	NO	0.24	28						2,253	1,690	289	4	464	196	14	38	2,534	0.24	48		
				MP 6.89 TO MP 6.38	2	2	MD	YES	NO	0.51	28						4,787	3,590	614	8	985	417	30	82	5,386	0.51	102		
				MP 6.38 TO MP 5.71	1	2	MD	YES	NO	0.67	28						6,289	4,717	807	10	1,233	548	39	104	7,075				
				MP 5.71 TO MP 5.43	2	2	MD	YES	NO	0.28	28						5,048	1,971	337	4	825	338	16	68	2,957	0.28	56		
				MP 5.43 TO MP 5.01	1	2	MD	YES	NO	0.42	28						6,057	2,957	506	6	1,010	439	25	84	4,435				
MP 5.01 TO MP 4.87	2	2	MD	YES	NO	0.14	28						1,314	986	169	2	270	115	8	22	1,478	0.14	28						
MP 4.87 TO US-264	1	2	MD	YES	NO	0.61	28						5,726	4,294	734	9	1,122	499	36	94	6,442								
I-5937	WILSON	2	I-795 NBL	WAYNE/WILSON COUNTY LINE MP 11.78 TO MP 11.34	1	2	MD	YES	NO	0.44	28	4,130		3,098	530	7	810	360	26	68	4,646								
				MP 11.34 TO MP 11.23	2	2	MD	YES	NO	0.11	28				1,033	774	132	2	212	90	6	18	1,162	0.11	22				
				MP 11.23 TO MP 10.82	1	2	MD	YES	NO	0.41	28				3,849	2,886	494	6	754	336	24	63	4,330						
				MP 10.82 TO MP 9.73	2	2	MD	YES	NO	1.09	28					10,231	7,674	1,312	16	2,107	892	64	175	11,510	1.09	218			
				MP 9.73 TO MP 9.41	1	2	MD	YES	NO	0.32	28					4,661	2,253	385	5	774	336	19	65	3,379					
				MP 9.41 TO MP 7.80	2	2	MD	YES	NO	1.61	28						17,043	11,334	1,938	24	3,337	1,404	95	276	17,002	1.61	322		
				MP 7.80 TO MP 7.27	2A	2	MD	YES	NO	0.53	28						4,975	3,731	638	8	1,024	434	31	85	5,597	0.53	106		
				MP 7.27 TO MP 6.40	2	2	MD	YES	NO	0.87	28						8,166	6,125	1,047	13	1,681	712	51	139	9,187	0.87	174		
				MP 6.40 TO MP 5.68	1	2	MD	YES	NO	0.72	28						8,280	5,069	867	11	1,495	658	42	125	7,603				
				MP 5.68 TO MP 5.39	2	2	MD	YES	NO	0.29	28						5,517	2,042	349	4	889	363	17	73	3,062	0.29	58		
		MP 5.39 TO US-264	1	2	MD	YES	NO	1.31	28						12,297	9,222	1,577	20	2,410	1,072	77	203	13,834						
		3	SBL ENTRY RAMP	SR-1643 TO I-795	3	1		NO	NO	0.16	24											16							
		4	SBL EXIT RAMP	I-795 TO SR-1643	3	1		NO	NO	0.30	24											28							
5	NBL ENTRY RAMP	SR-1643 TO I-795	3	1		NO	NO	0.16	24											15									
6	NBL EXIT RAMP	I-795 TO SR-1643	3	1		NO	NO	0.32	24											30									
7	SBL ENTRY LOOP	US-301 TO I-795	4	1		NO	NO	0.20	22											17									
8	SBL EXIT RAMP	I-795 TO US-301	3	1		NO	NO	0.36	24											36									
9	NBL ENTRY LOOP	US-301 TO I-795	4	1		NO	NO	0.20	22											17									
10	NBL EXIT RAMP	I-795 TO US-301	3	1		NO	NO	0.36	24											41				400					
GRAND TOTAL FOR PROJ NO. 45880.3.1										17.28		95,803	94,515	107,149	18,322	228	34,206	13,186	895	2,754	160,723	9.13	1,826	400					

