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TIP PROJECT: I-5760

CONTRACT: C203868

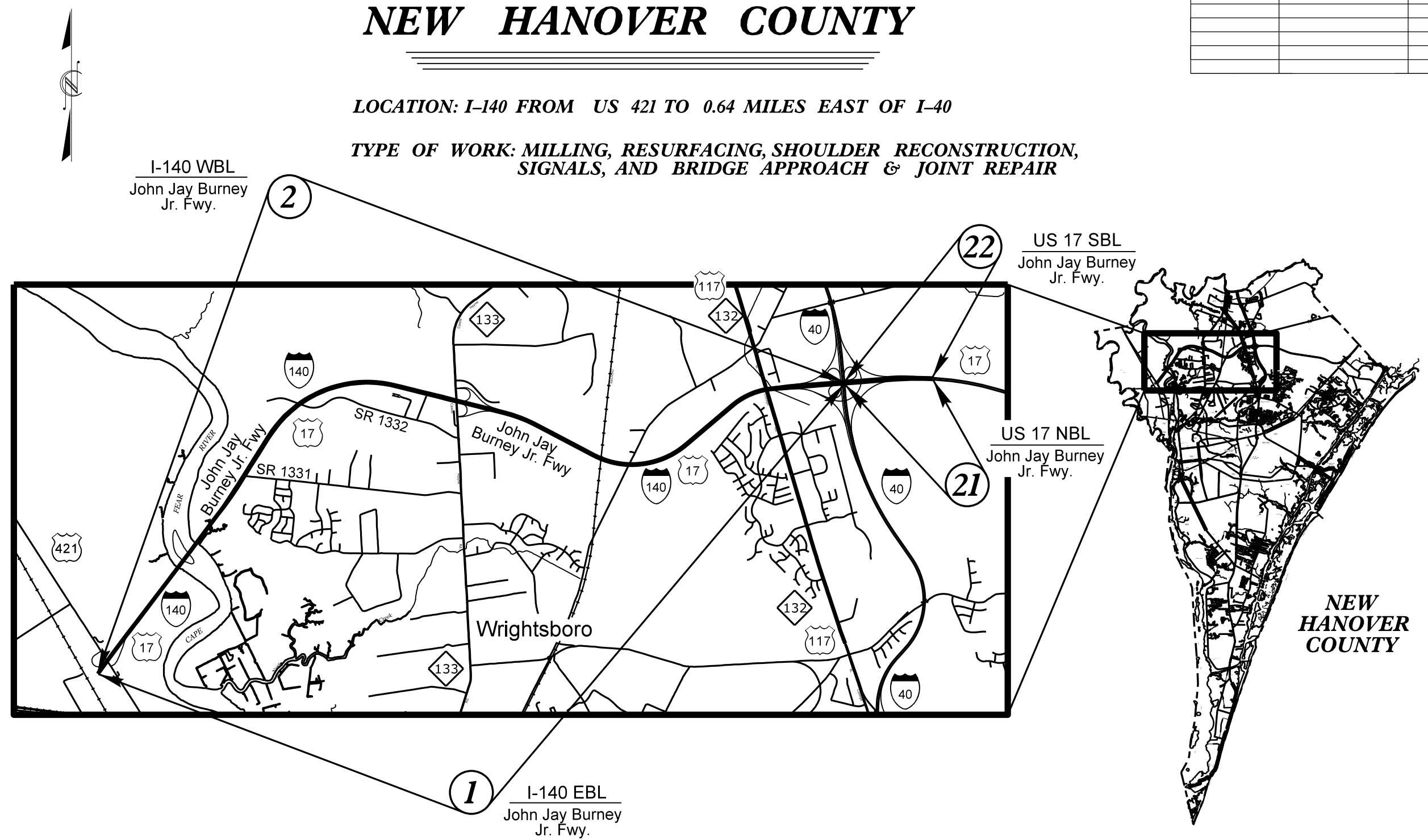
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NEW HANOVER COUNTY

LOCATION: I-140 FROM US 421 TO 0.64 MILES EAST OF I-40

TYPE OF WORK: MILLING, RESURFACING, SHOULDER RECONSTRUCTION,
SIGNALS, AND BRIDGE APPROACH & JOINT REPAIR

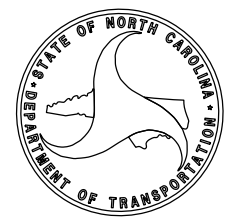
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5760	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
52038.1.1	NHPP-0040(017)	P.E.	
52038.3.1	NHPP-0040(017)	CONST.	



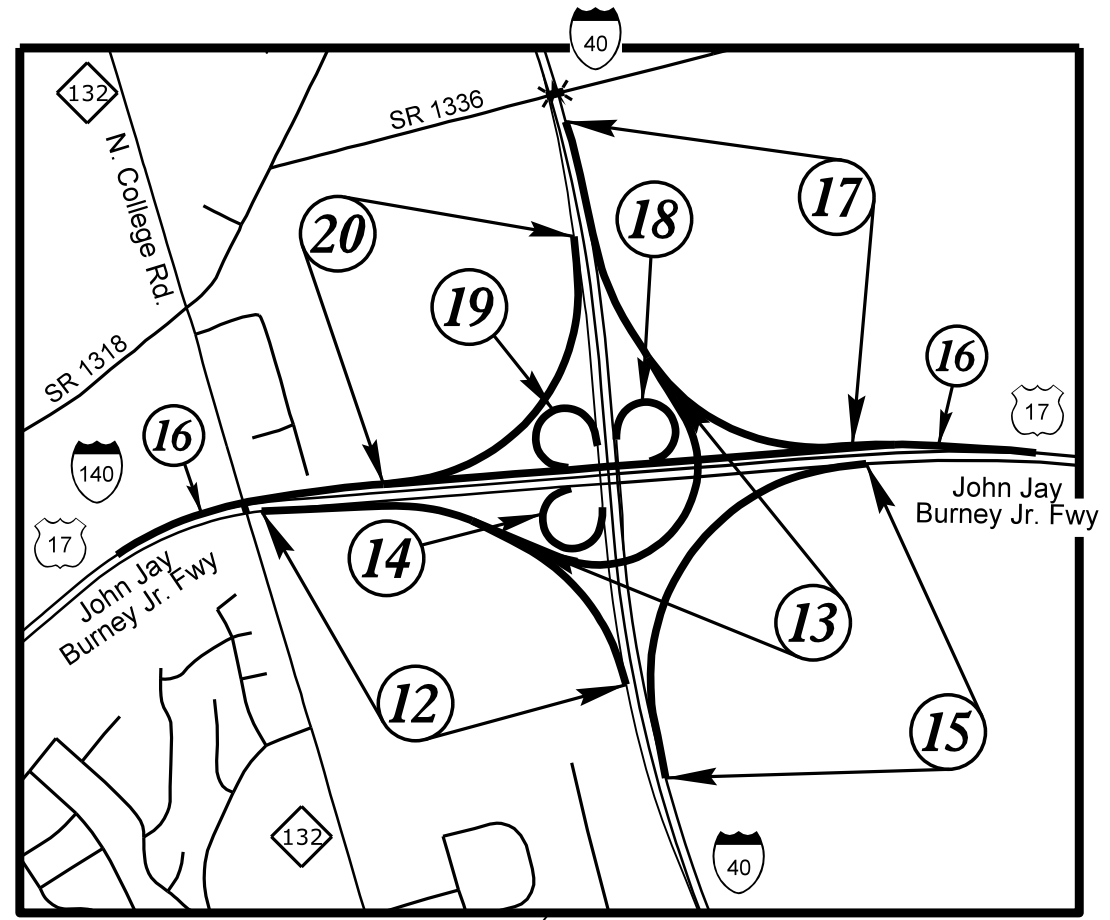
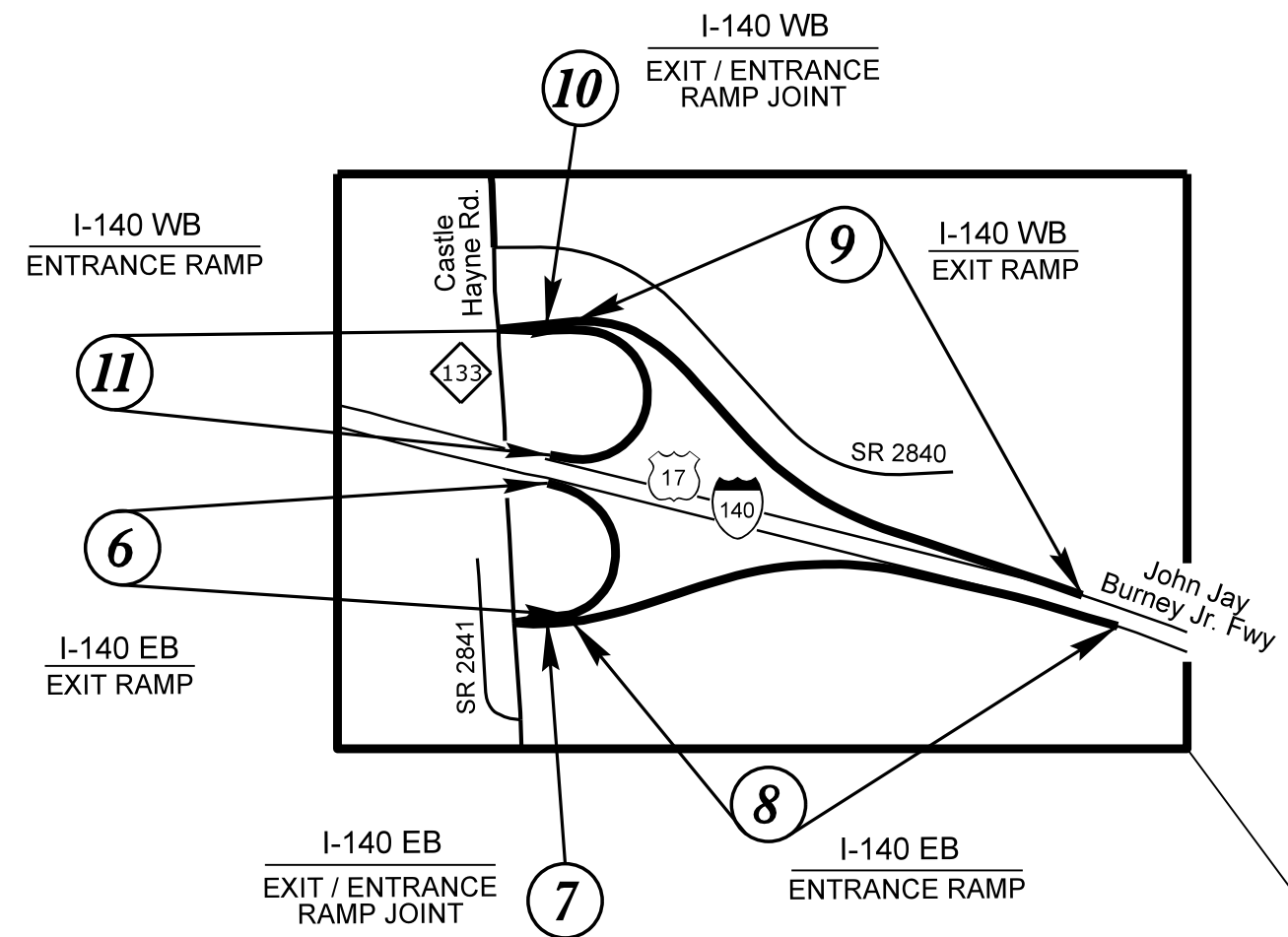
PROJECT LENGTH	
MAP NO. 1 - I-140 (EB) & MAP NO. 2 - I-140 (WB) =	6.802 MI.
MAP NO. 21 - US 17 (NB) & MAP NO. 22 - US 17 (SB) =	0.640 MI.
TOTAL LENGTH OF PROJECT =	7.442 MI.

Prepared In the Office of:
DIVISION OF HIGHWAYS
5501 Barbados Blvd., Castle Hayne, NC 28429

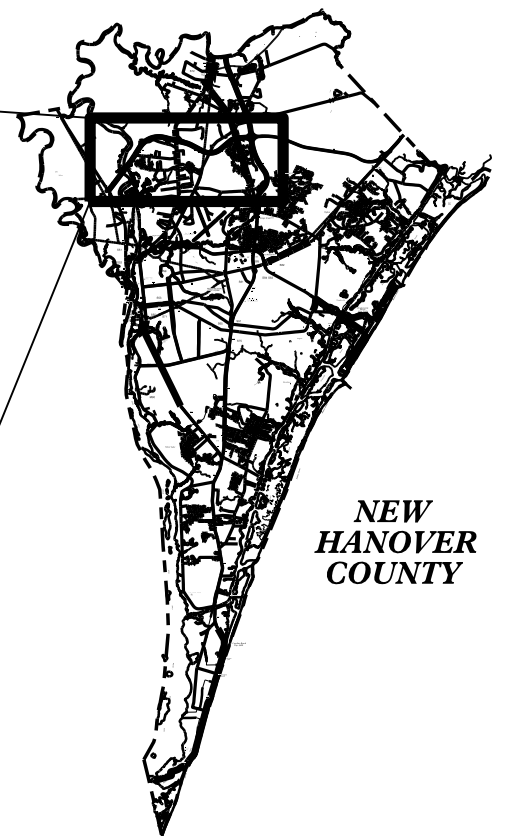
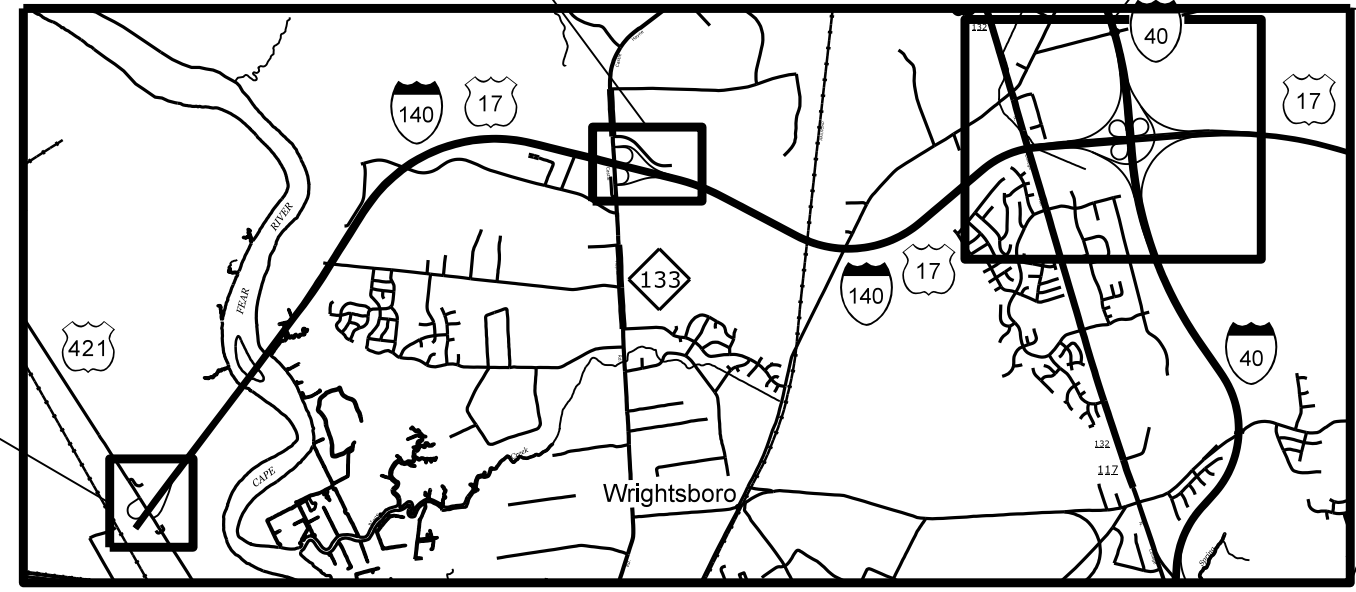
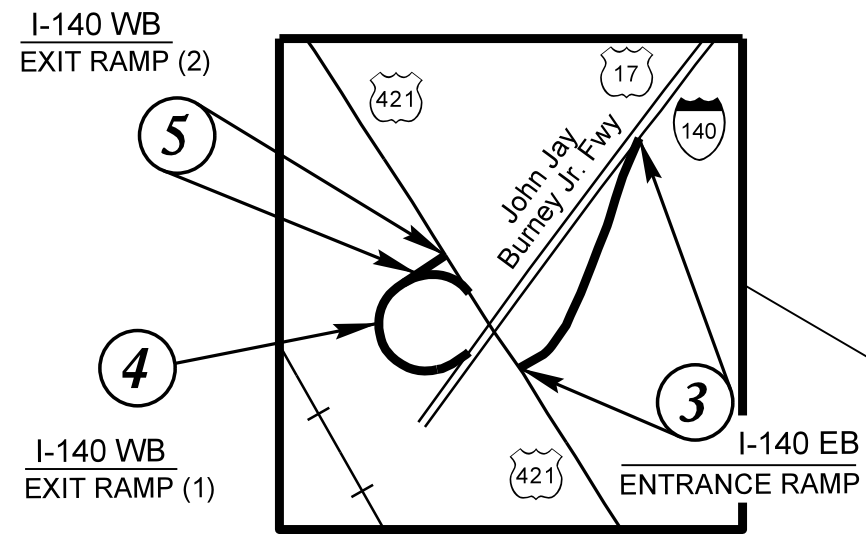
2012 STANDARD SPECIFICATIONS	PROJECT ENGINEER
RIGHT OF WAY DATE:	MARY KIMMEL PROJECT DESIGN TECHNICIAN
LETTING DATE:	NICK DREES PROJECT DESIGN TECHNICIAN
AUGUST 16, 2016	



NEW HANOVER COUNTY - CONT.



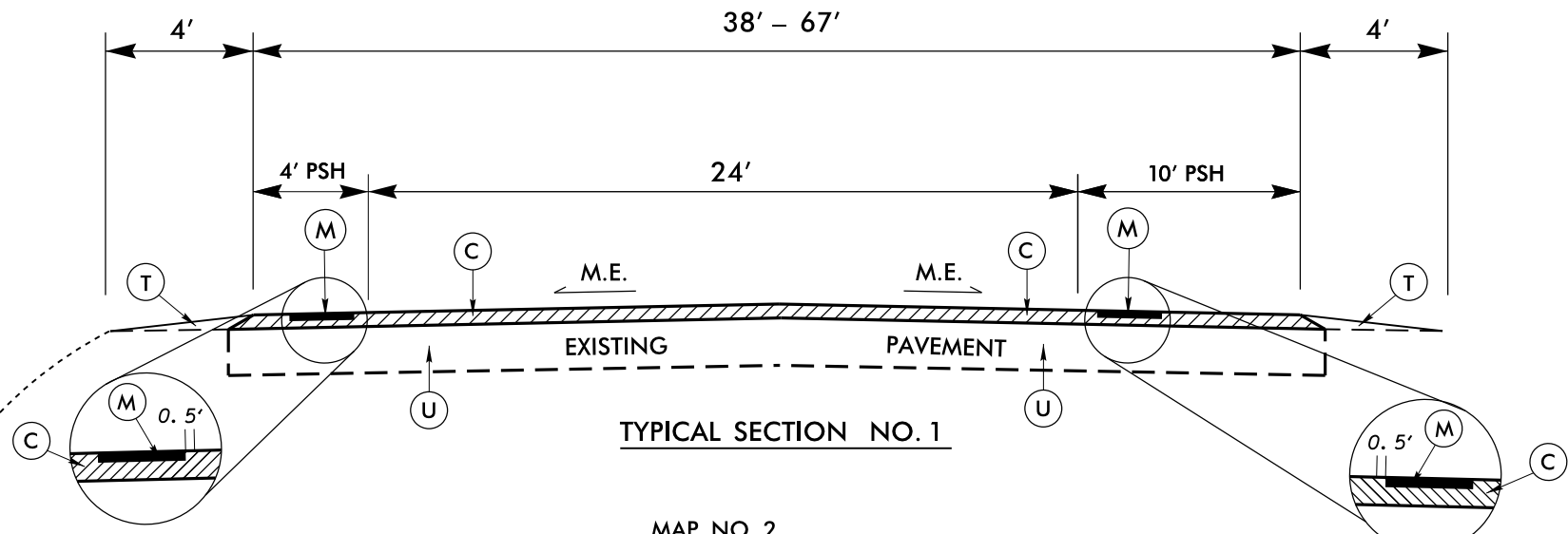
I-140 RAMPS AT THE INTERSECTION OF I-40



NEW HANOVER COUNTY

REVISIONS

16-MAY-2016 13:56
 S:\Division\Resurfacing\Winterstate_Rehab\2016\I-140_Resurfacing\I-5760\I-5760\I-140_Rdy.tsh.dgn
 \$\$\$\$\$\$



TYPICAL SECTION NO. 1

MAP NO. 1
I-140 EB (JOHN JAY BURNEY JR. FWY.)
MP 0.000 – MP 1.880
MP 2.880 – MP 6.791

MAP NO. 2
I-140 WB (JOHN JAY BURNEY JR. FWY.)
MP 0.000 – MP 1.729
MP 2.729 – MP 6.812

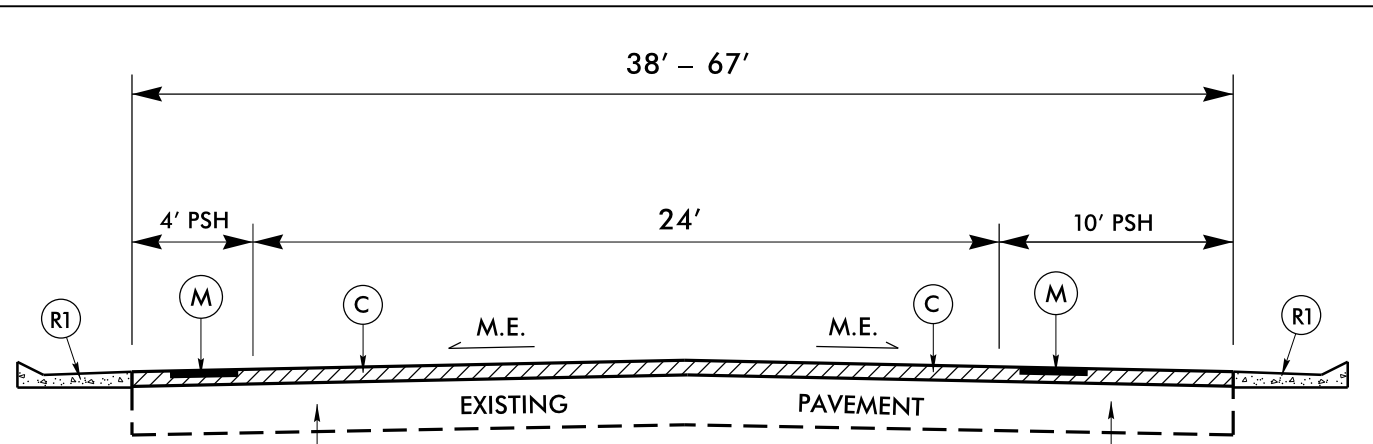
MAP NO. 21
US 17 NBL (JOHN JAY BURNEY JR. FWY.)
MP 10.604 – MP 11.244
(NO ASPHALT WORK BRIDGE #100
MP 10.706 – MP 10.730)

MAP NO. 22
US 17 SBL (JOHN JAY BURNEY JR. FWY.)
MP 6.465 – MP 7.105
(NO ASPHALT WORK BRIDGE #99
MP 6.567 – MP 6.592)

I-140 WB BRIDGES:
DAN CAMERON BRIDGE
(MP 5.412 – MP 6.812)
#105 MP 5.082 – MP 5.106
#119 MP 3.158 – MP 3.190
#121 MP 1.990 – MP 2.038
#123 MP 1.768 – MP 1.800
#95 MP 0.000 – MP 0.005

I-140 EB BRIDGES:
DAN CAMERON BRIDGE
(MP 0.000 – MP 1.400)
#104 MP 1.717 – MP 1.741
#118 MP 3.614 – MP 3.646
#120 MP 4.766 – MP 4.813
#122 MP 4.998 – MP 5.028
#96 MP 6.739 – MP 6.791

NO ASPHALT WORK:



TYPICAL SECTION NO. 1A

SHOULDER BERM GUTTER LOCATIONS

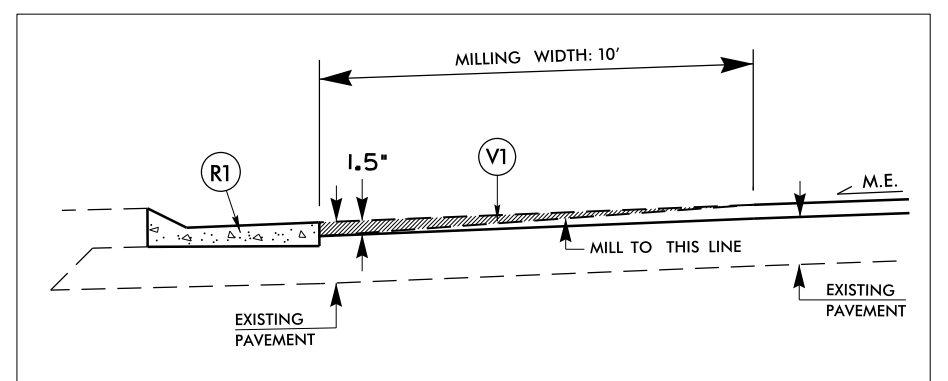
MAP NO. 1
I-140 EB (JOHN JAY BURNEY JR. FWY.)
MP 1.393 – MP 1.453 (RT.)
MP 1.741 – MP 1.849 (RT.)
MP 3.316 – MP 3.614 (RT.)
MP 3.646 – MP 3.674 (RT.)
MP 4.529 – MP 4.766 (RT.)
MP 4.813 – MP 4.859 (RT.)
MP 4.984 – MP 4.998 (RT.)
MP 5.028 – MP 5.075 (RT.)

MAP NO. 2
I-140 WB (JOHN JAY BURNEY JR. FWY.)
MP 5.406 – MP 5.415 (RT.)
MP 5.106 – MP 5.153 (RT.)
MP 5.082 – MP 4.983 (RT.)
MP 3.508 – MP 3.190 (RT.)
MP 3.158 – MP 3.149 (RT.)

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
D	PROP. APPROX. 2½" DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ.YD.
M	MILLED RUMBLE STRIP
R1	EXISTING SHOULDER BERM GUTTER
R2	EXISTING CONCRETE 2'-6" CURB & GUTTER
R3	EXISTING CONCRETE MONOLITHIC ISLAND
T	AGGREGATE SHOULDER BORROW (ASB)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 0" - 1½" DEPTH
V2	MILLING ASPHALT PAVEMENT, 2½" DEPTH
V3	FINE MILLING ASPHALT PAVEMENT, 1½" DEPTH

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

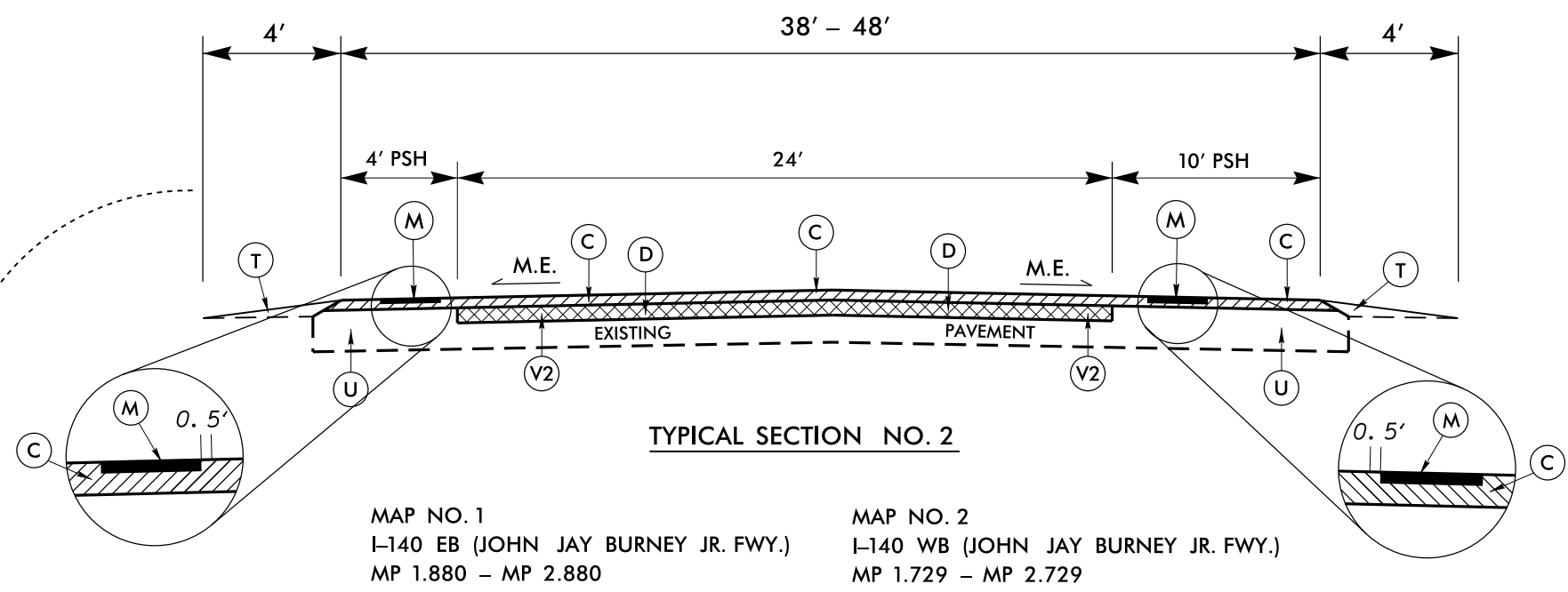
SEE STD. DRAWING 1205.01, SHEET 2 OF 2, TABLE 1 FOR EDGE LINE OFFSETS.



DETAIL FOR TYPICAL NO. 1A & 2A

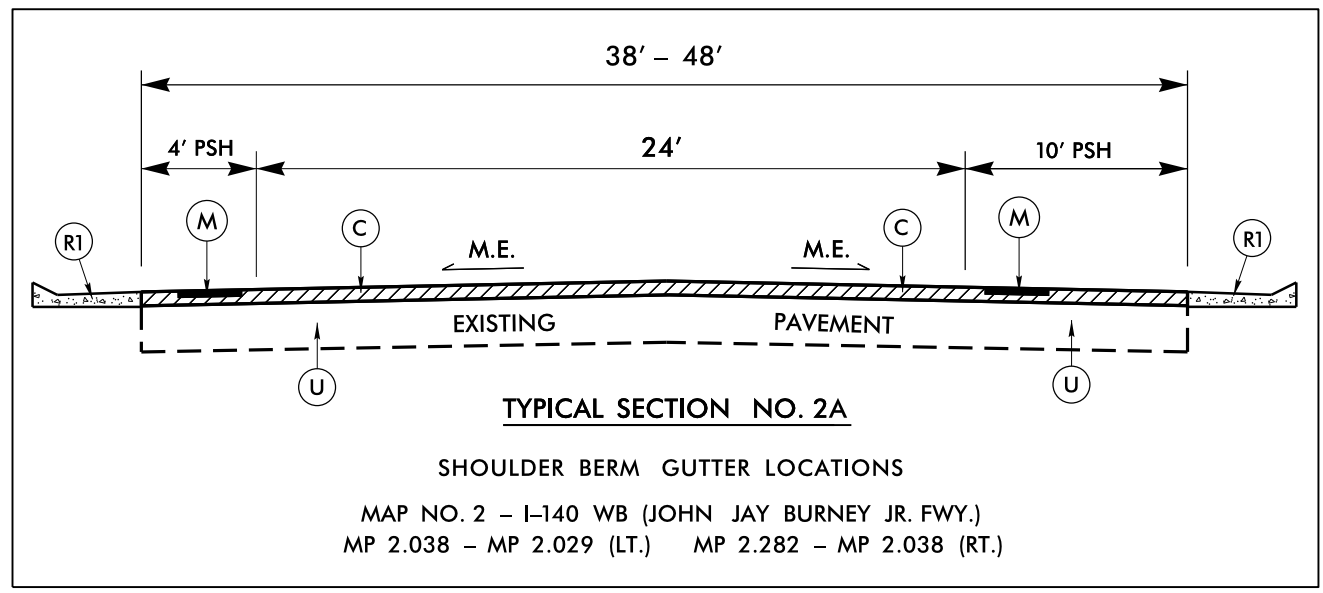
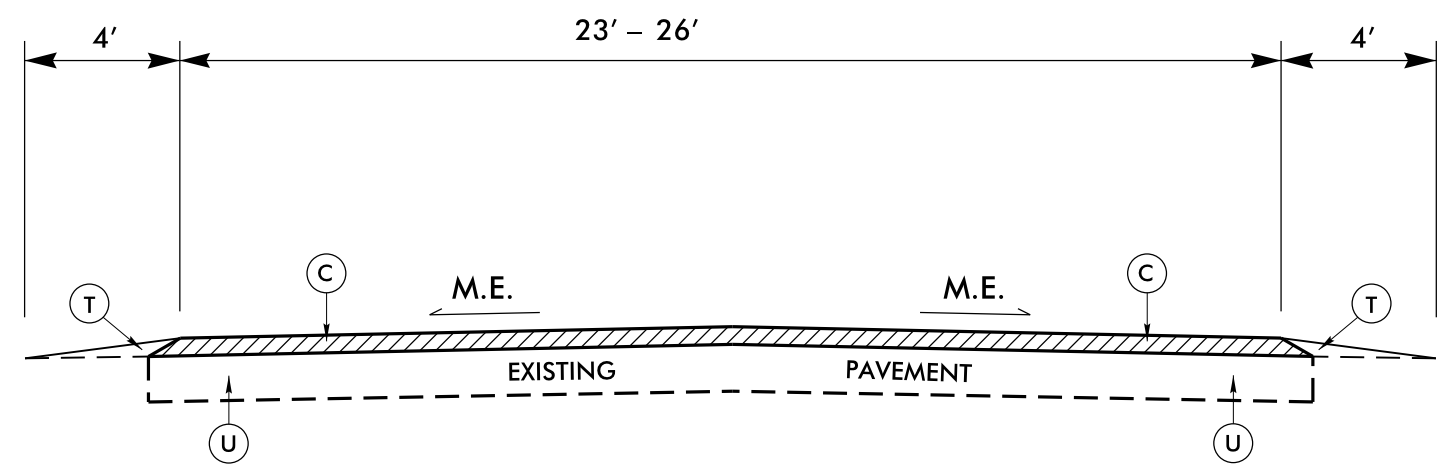
MILLING 0" - 1.5" AT SHOULDER BERM GUTTER (EB & WB DIRECTIONS)

REVISIONS
 22-MAY-2016 13:11
 S:\Division\Resurfacing\Interstate_Rehab\2017\I-140_Resurfacing\I-5760\PALEIGH_REVISIONS\I-5760_I-140_Rdwy_1up_REV_2.dgn
 \$\$\$SUBSERIAL\$\$\$



PAVEMENT SCHEDULE	
C	1½" S9.5C
D	2½" I19.0C
M	MILLED RUMBLE STRIP
R1	EXIST. SHOULDER BERM GUTTER
T	AGGREGATE SHOULDER BORROW (ASB)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PVMT 0" - 1½" DEPTH
V2	MILLING ASPHALT PVMT 2½" DEPTH

NOTE: PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.
SEE STD. DRAWING 1205.01, SHEET 2 OF 2, TABLE 1 FOR EDGE LINE OFFSETS.



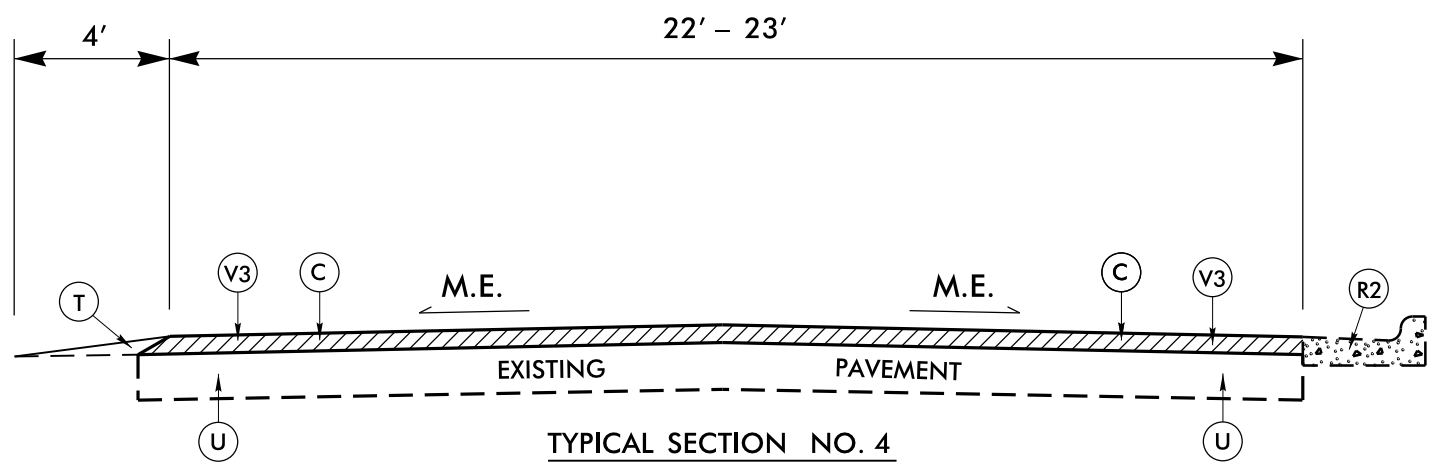
- MAP NO. 3
I-140 EB ENTRANCE RAMP
MP 0.000 – MP 0.241
- MAP NO. 12
I-140 EB EXIT RAMP
MP 0.000 – MP 0.455
- MAP NO. 16
I-140 WB EXIT / ENTRANCE RAMP
MP 0.000 – MP 0.999
(NO ASPHALT WORK BRIDGE #98
MP 0.233 – MP 0.258 & BRIDGE
#97 MP 0.360 – MP 0.412)
- MAP NO. 5
I-140 WB EXIT RAMP
MP 0.000 – MP 0.025
- MAP NO. 13
I-140 EB EXIT RAMP
MP 0.000 – MP 0.502
(NO ASPHALT WORK BRIDGE
#101 MP 0.152 – MP 0.202)
- MAP NO. 8
I-140 EB ENTRANCE RAMP
MP 0.000 – MP 0.203
- MAP NO. 15
I-140 EB ENTRANCE RAMP
MP 0.000 – MP 0.455
- MAP NO. 9
I-140 WB EXIT RAMP
MP 0.000 – MP 0.279
- MAP NO. 17
I-140 WB EXIT RAMP
MP 0.000 – MP 0.369
- MAP NO. 20
I-140 WB ENTRANCE RAMP
MP 0.000 – MP 0.390

REVISIONS

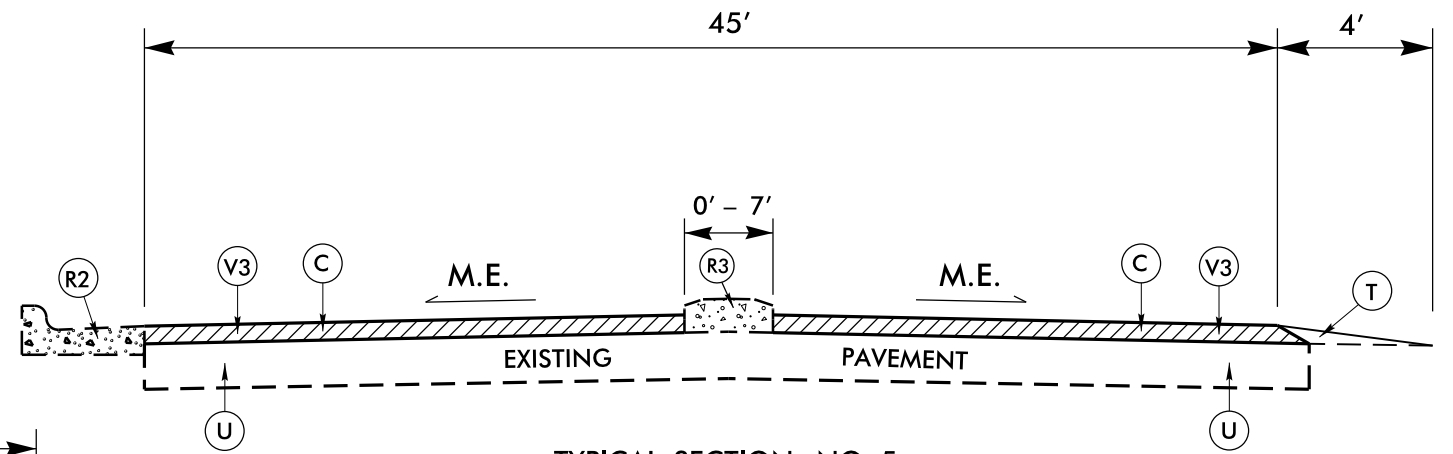
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 I-140_Resurfacing\I-5760\RALEIGH_REVISIONS\I-5760_I-140_Rdwy_Sup_REV_2.dgn
 \$\$\$BUREAU\$\$\$

PAVEMENT SCHEDULE	
C	1½" S9.5C
R2	EXIST. 2'-6" C & G
R3	CONC. MONOLITHIC IS.
T	AGGREGATE SHOULDER BORROW (ASB)
U	EXISTING PAVEMENT
V3	FINE MILLING 1½" DEPTH

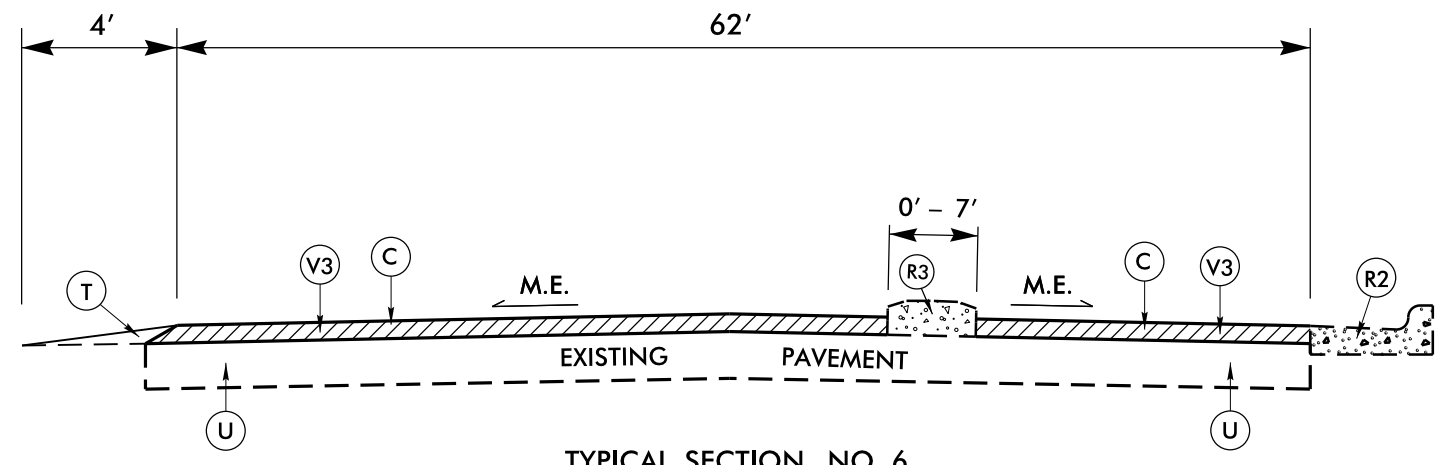
SEE STD. DRAWING 1205.01, SHEET 2 OF 2, TABLE 1 FOR EDGE LINE OFFSETS.



- | | | |
|--|---|---|
| MAP NO. 4
I-140 WB EXIT RAMP
MP 0.000 – MP 0.199 | MAP NO. 11
I-140 WB ENTRANCE RAMP
MP 0.000 – MP 0.133 | MAP NO. 18
I-140 WB ENTRANCE RAMP
MP 0.000 – MP 0.185 |
| MAP NO. 6
I-140 EB EXIT RAMP
MP 0.000 – MP 0.099 | MAP NO. 14
I-140 EB ENTRANCE RAMP
MP 0.000 – MP 0.185 | MAP NO. 19
I-140 WB EXIT RAMP
MP 0.000 – MP 0.180 |



- TYPICAL SECTION NO. 5**
MAP NO. 7
I-140 EB ENTRANCE /EXIT RAMP
MP 0.000 – MP 0.040



- TYPICAL SECTION NO. 6**
MAP NO. 10
I-140 WB ENTRANCE /EXIT RAMP
MP 0.000 – MP 0.066

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

2012 ROADWAY ENGLISH STANDARD DRAWINGS

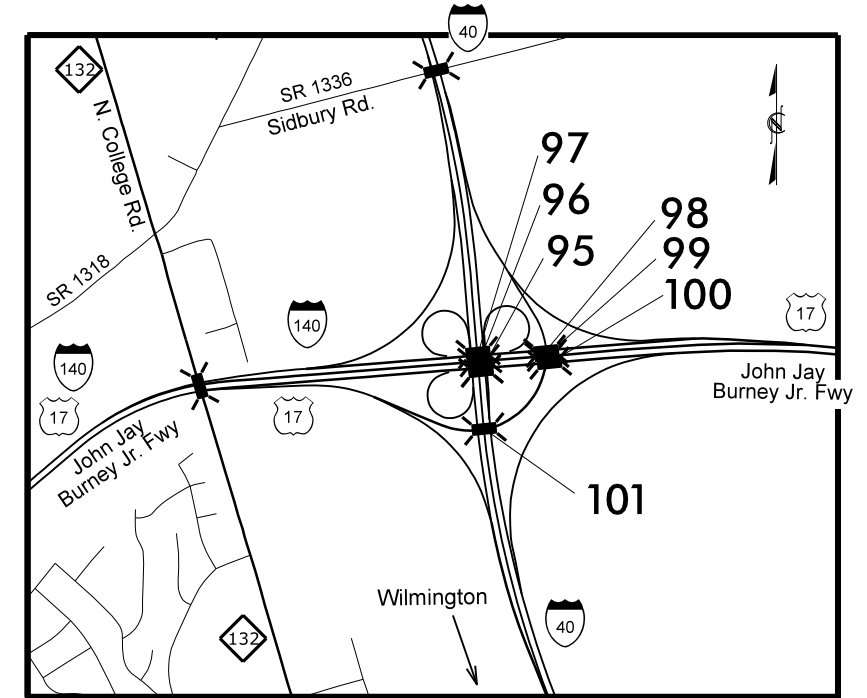
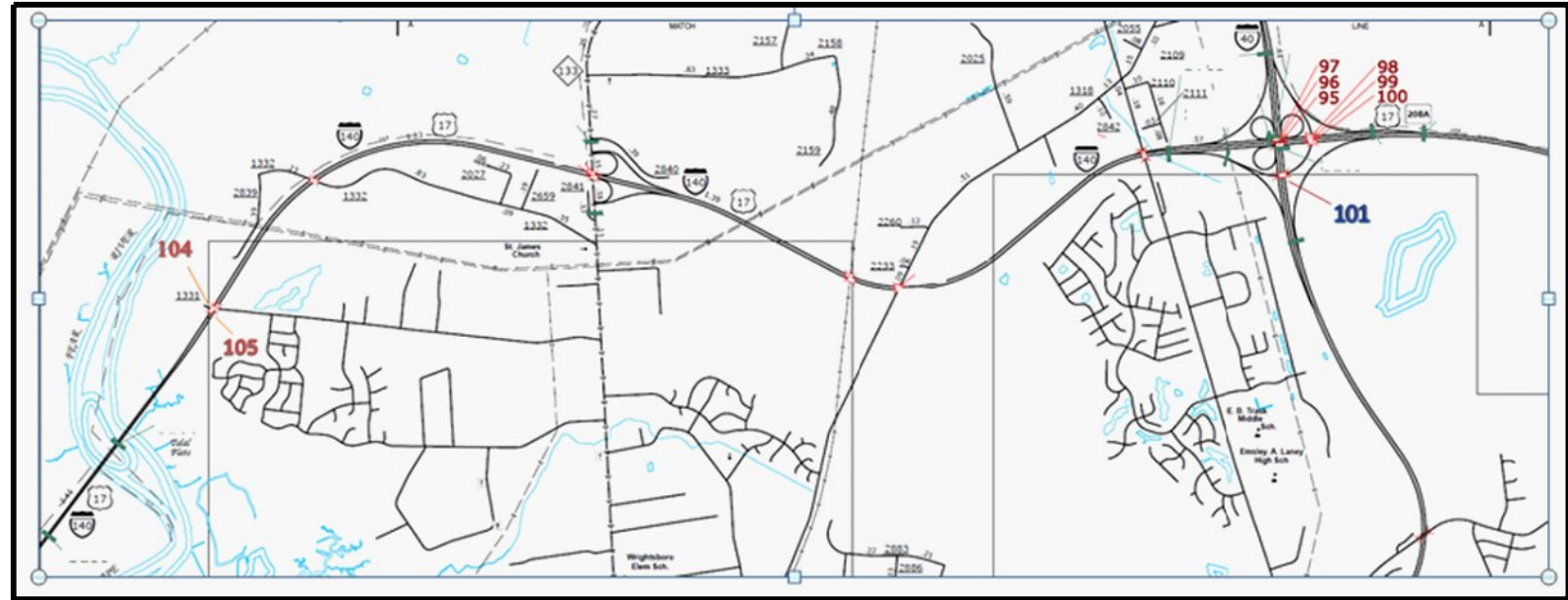
The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
665.01	Asphalt Shoulders - Milled Rumble Strips
DIVISION 8 - INCIDENTALS	
862.01	Guardrail Placement
862.02	Guardrail Installation
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.02	Temporary Lane Closures (Sheet 9 & 10 of 15)

REVISIONS

25-MAY-2016 10:06
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 I-140_Resurfacing\I-5760\RALEIGH_REVISIONS\I-5760_I-140_Rdwy_Exp_REV_2.dgn
 \$\$\$SUSPENSE\$\$\$

BRIDGE LOCATION MAPS, JOINT REPAIR & BRIDGE APPROACH TABLES



I-140 Bridge Joint Repair

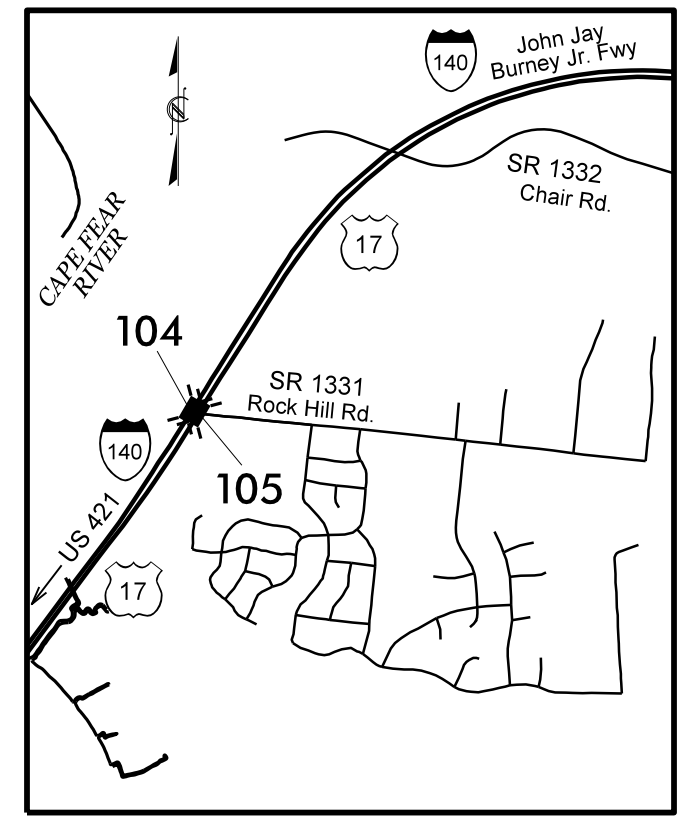
Map #	Bridge #	# Joints	Width	Foam Seal Jt. Replacement (LF)	Elastomeric Joint Repair (CF)
2	104	2	40	80	20
1	105	2	40	80	20
13	101	2	40	80	20
21	100	2	47	94	24
22	99	2	40	80	20
16	98	2	28	56	15
16	97	2	47	94	24
2	96	2	40	80	20
1	95	2	40	80	20
Total:				724	183

I-140 Bridge Approach and Slope Protection Investigation

Map #	Bridge #	# Approaches	# Slopes	Approach and Slope Location	Approach Investigation (EACH)	Slope Investigations (EACH)
1	98	2	2	Leading/Trailing	10	4
2	96	1	1	Leading	10	3
16	95	1	1	Leading	10	3
Total:					30	10

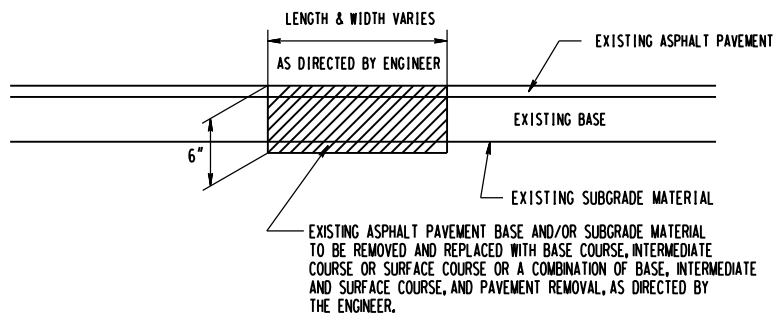
I-140 Bridge Approach and Slope Protection Repair

Map #	Bridge #	Soil Stabilization Foam(GAL)	Foam Void Fill (Gal)	#57 Stone (TON)
1	98	600	4	1
2	96	600	3	1
16	95	600	3	1
Total:		1800	10	3

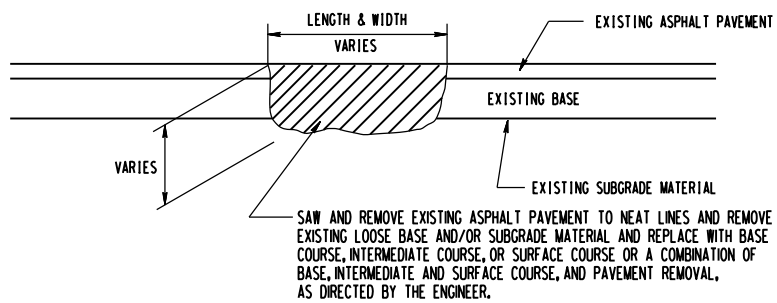


REVISIONS
 21 JUL 2016 14:33
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 8/17/99

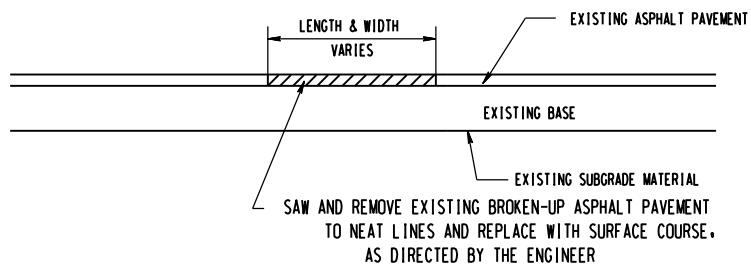
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



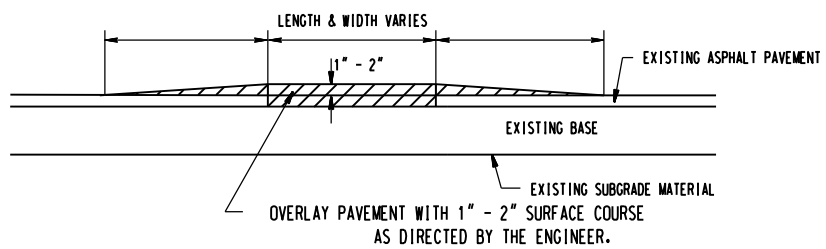
DETAIL NO. 1



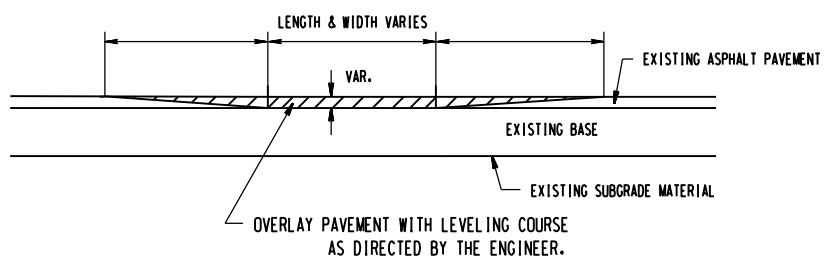
DETAIL NO. 2



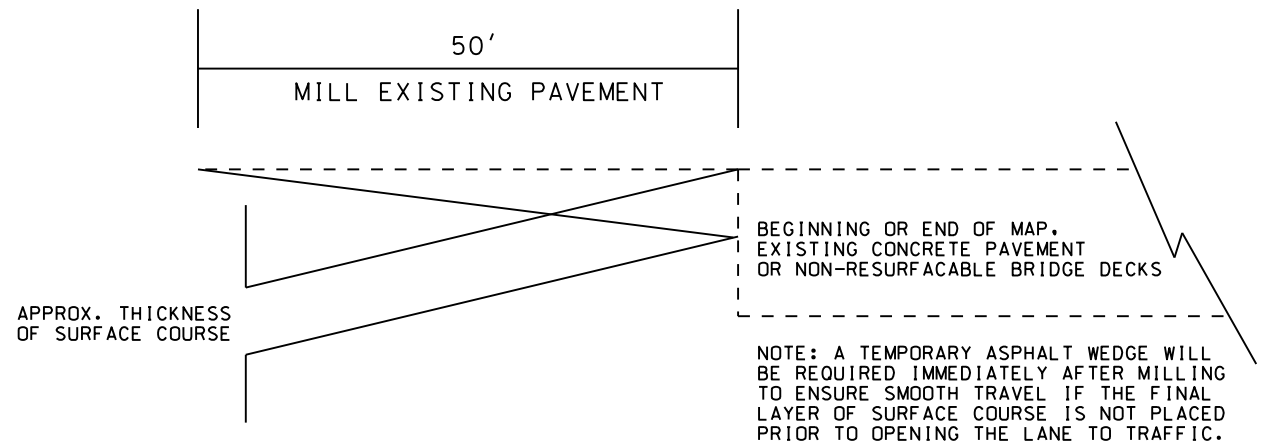
DETAIL NO. 3



DETAIL NO. 4



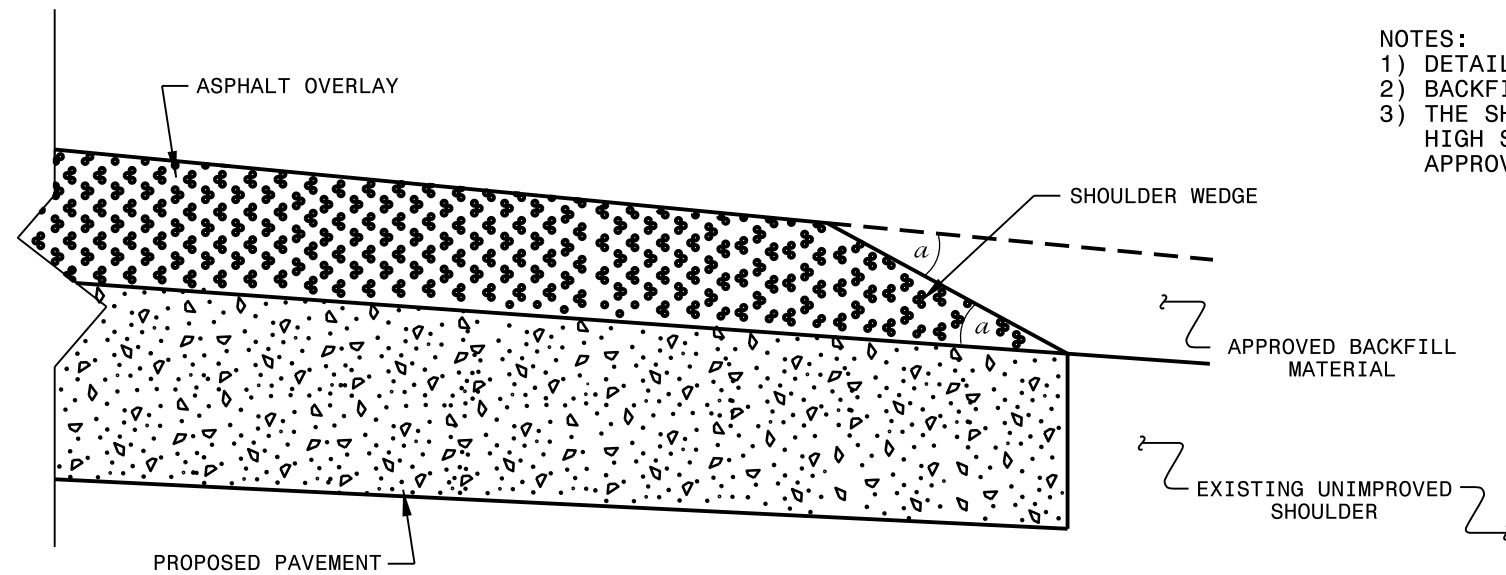
DETAIL NO. 5



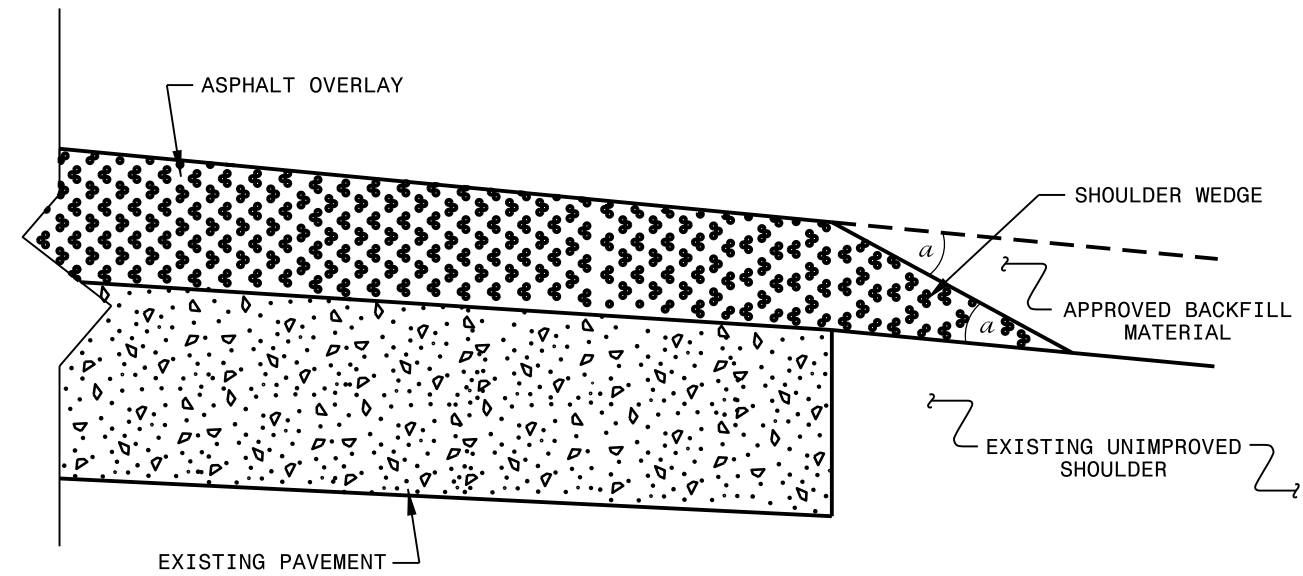
DETAIL FOR INCIDENTAL MILLING:
MAY BE USED AT THE BEGINNING & END OF MAPS
AND AT APPROACH & TRAILING ENDS OF BRIDGES

NOTES:

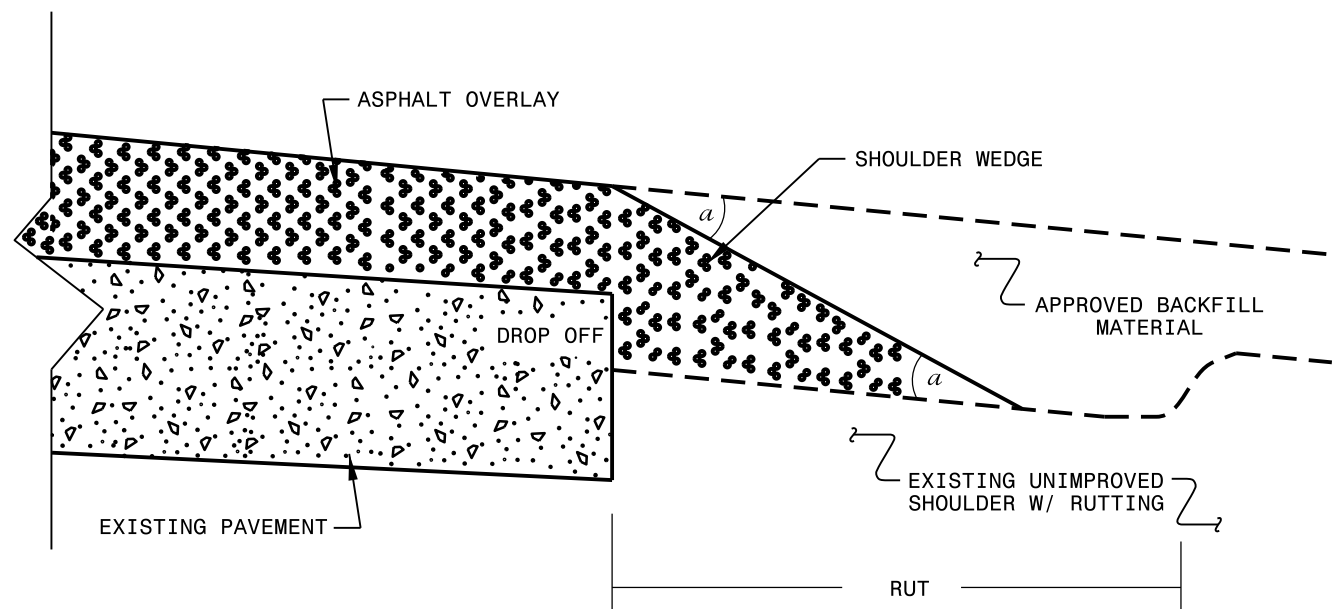
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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°

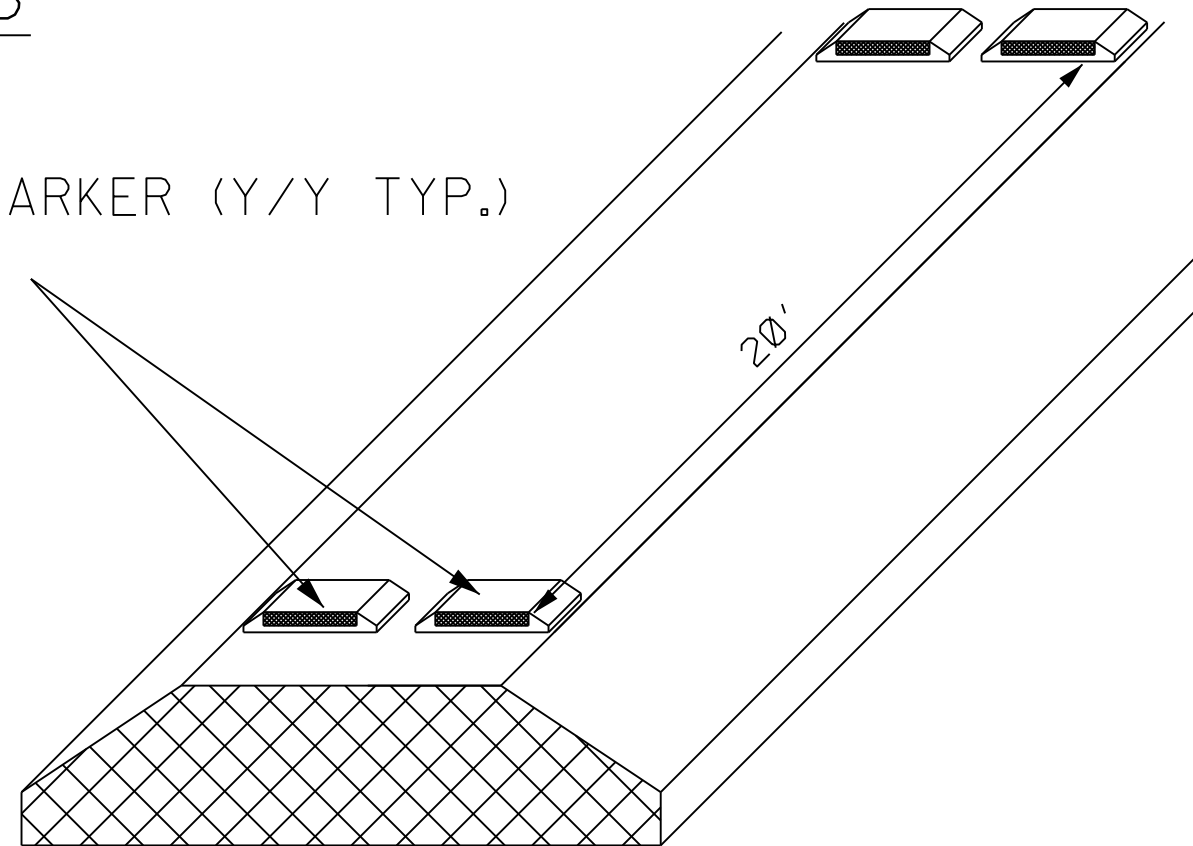
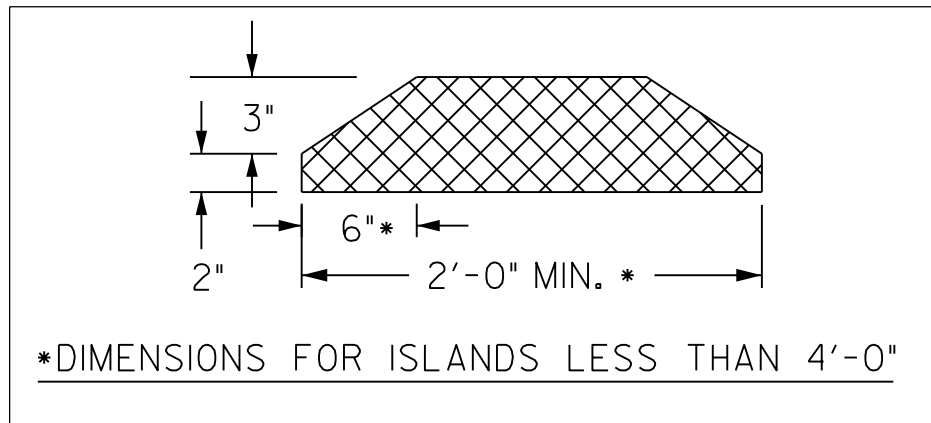
CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 2/2/16
CHECKED BY:	DATE:
FILE SPEC.: susr/details/stand/shoulderwedgedetail.dgn	

24-MAY-2016 06:47 S:\Contracts\Resurfacing Projects\Shoulder Wedge Details\Revised Shoulder Wedge Detail.dgn

PAVEMENT MARKING DETAIL

PAVEMENT MARKER DETAIL FOR CONCRETE ISLANDS

RAISED PAVEMENT MARKER (Y/Y TYP.)
(STD. DWG 1251.01)



MONOLITHIC CONCRETE ISLAND

(SEE STANDARD DRAWINGS 852.01, 852.02, & 852.06 FOR DETAILS.)

REVISIONS

8/17/99

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PROJECT NO.	SHEET NO.
I-5760	10

SUMMARY OF QUANTITIES

PROJECT NO.	COUNTY	MAP NO.	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BRIDGE APPROACH SLAB INVESTIGATION EA	BRIDGE SLOPE PROTECTION INVESTIGATION BRG EA	DEBRIS REMOVAL EXISTING SHOULDER BERM GUTTER LF	FOAM SEAL JOINT REPLACEMENT LF	STRUCTURAL FOAM VOID FILL/STABILIZATION GAL	SOIL STABILIZATION FOAM GAL	AGGREGATE SHOULDER BORROW TON	#57 STONE TON	SHOULDER RECONST. SMI	2 1/2" MILLING SY	0" - 1.5" MILLING SY	INC. MILLING SY	INT. COURSE, I19.0C TONS	SURFACE COURSE, S9.5C TONS	LEVELING COURSE, S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TON	MILLED RUMBLE STRIPS LF	PATCHING EXISTING PAVEMENT (FULL DEPTH) TON	PATCHING EXISTING PAVEMENT (MILL) TON				
52038.1.1	New Hanover	1	I-140 EB (JOHN JAY BURNEY JR. FWY)	FROM US 421 TO I-40 (MP 0.000 - MP 6.791)	1, 1A, 2	2	2WD	NO	NO	6.791	38 - 67	10.00	3.00	4,220	320.00	3.00	600.00	392	1	13.60	14,080	3,175	4,450	2,111	10,219	100	711.00	71,713	200	200				
TOTAL FOR MAP NO. 1										6.791		10.00	3.00	4,220	320.00	3.00	600.00	392	1	13.60	14,080	3,175	4,450	2,111	10,219	100	711.00	71,713	200	200				
52038.1.1	New Hanover	2	I-140 WB (JOHN JAY BURNEY JR. FWY)	FROM I-40 TO US 421 (MP 0.000 - MP 6.812)	1, 1A, 2, 2A	2	2WD	NO	NO	6.812	38 - 67	10.00	3.00	4,520	320.00	3.00	600.00	393	1	13.60	14,080	3,515	4,450	2,111	10,254	100	713.00	71,935	200	200				
TOTAL FOR MAP NO. 2										6.812		10.00	3.00	4,520	320.00	3.00	600.00	393	1	13.60	14,080	3,515	4,450	2,111	10,254	100	713.00	71,935	200	200				
52038.1.1	New Hanover	3	I-140 EB ENTRANCE RAMP AT US 421	FROM US 421 TO I-140 (MP 0.000 - MP 0.241)	3	1	2WD	NO	NO	0.241	24							18		0.12			200		301		18.00		5	5				
TOTAL FOR MAP NO. 3										0.241								18		0.12			200		301		18.00		5	5				
52038.1.1	New Hanover	4	I-140 WB EXIT RAMP AT US 421	FROM I-140 WB TO US 421 (MP 0.000 - MP 0.199)	4	1	2WD	NO	NO	0.199	23							15		0.20			50		238		14.00		2	5				
TOTAL FOR MAP NO. 4										0.199								15		0.20			50		238		14.00		2	5				
52038.1.1	New Hanover	5	I-140 WB EXIT RAMP LEG AT US 421	FROM MAP 4 TO US 421 (MP 0.000 - MP 0.025)	3	1	2WD	NO	NO	0.025	24							2		0.08			50		31		2.00			5				
TOTAL FOR MAP NO. 5										0.025								2		0.08			50		31		2.00			5				
52038.1.1	New Hanover	6	I-140 EB EXIT RAMP	FROM I-140 EB TO MAP 7 (MP 0.000 - MP 0.099)	4	1	2WD	NO	NO	0.099	22							8		0.09			20		113		7.00			5				
TOTAL FOR MAP NO. 6										0.099								8		0.09			20		113		7.00			5				
52038.1.1	New Hanover	7	I-140 EB ENTRANCE / EXIT RAMP JOINT	FROM MAPS 6 / 8 TO US 133 (CASTLE HAYNE RD.) [MP 0.000 - MP 0.040]	5	2	2WD	NO	NO	0.04	45							5		0.04					93		6.00			5				
TOTAL FOR MAP NO. 7										0.04								5		0.04				93		6.00			5					
52038.1.1	New Hanover	8	I-140 EB ENTRANCE RAMP	FROM MAP 7 TO I-140 EB (MP 0.000 - MP 0.203)	3	1	2WD	NO	NO	0.203	24							15		0.41					253		15.00			5				
TOTAL FOR MAP NO. 8										0.203								15		0.41				253		15.00			5					
52038.1.1	New Hanover	9	I-140 WB EXIT RAMP	FROM I-140 WB TO MAP 10 (MP 0.000 - MP 0.279)	3	1	2WD	NO	NO	0.279	24							21		0.56					348		21.00			5				
TOTAL FOR MAP NO. 9										0.279								21		0.56				348		21.00			5					
52038.1.1	New Hanover	10	I-140 WB ENTRANCE / EXIT RAMP JOINT	FROM MAPS 9 / 11 TO NC 133 (CASTLE HAYNE RD.) [MP 0.000 - MP 0.066]	6	2	2WD	NO	NO	0.066	62							5		0.07			200		212		13.00			5				
TOTAL FOR MAP NO. 10										0.066								5		0.07			200		212		13.00			5				
52038.1.1	New Hanover	11	I-140 WB ENTRANCE RAMP	FROM MAP 10 TO I-140 WB (MP 0.000 - MP 0.133)	4	1	2WD	NO	NO	0.133	23							10		0.13					159		9.00			5				
TOTAL FOR MAP NO. 11										0.133								10		0.13				159		9.00			5					
52038.1.1	New Hanover	12	I-140 EB EXIT RAMP AT I-40 EB	FROM I-140 EB TO I-40 EB (MP 0.000 - MP 0.455)	3	1	2WD	NO	NO	0.455	25							34		0.91					592		35.00			5				
TOTAL FOR MAP NO. 12										0.455								34		0.91				592		35.00			5					
52038.1.1	New Hanover	13	I-140 EB EXIT RAMP AT I-40 WB	FROM MAP 12 AT GORE TO MAP 17 AT GORE (MP 0.000 - MP 0.502)	3	1	2WD	NO	NO	0.502	25				160.00			38		1.00			450		653		39.00			5				
TOTAL FOR MAP NO. 13										0.502					160.00			38		1.00			450		653		39.00			5				
52038.1.1	New Hanover	14	I-140 EB ENTRANCE RAMP AT I-40 EB	I-40 EB GORE TO I-140 EB GORE (MP 0.000 - MP 0.185)	4	1	2WD	NO	NO	0.185	23							14		0.19					221		13.00			5				
TOTAL FOR MAP NO. 14										0.185								14		0.19				221		13.00			5					
52038.1.1	New Hanover	15	I-140 EB ENTRANCE RAMP AT I-40 WB	FROM I-40 WB TO I-140 EB (MP 0.000 - MP 0.455)	3	1	2WD	NO	NO	0.455	26							34		0.91					615		36.00			5				
TOTAL FOR MAP NO. 15										0.455								34		0.91				615		36.00			5					
52038.1.1	New Hanover	16	I-140 EXIT/ENTRANCE LANE AT US 17 SB	FROM US 17 SB TO I-140 WB (MP 0.000 - MP 0.999)	3	1	2WD	NO	NO	0.999	25	10.00	4.00		236.00	4.00	600.00	76	1	1.70			425		1,401		83.00			5				
TOTAL FOR MAP NO. 16										0.999					236.00	4.00	600.00	76	1	1.70			425		1,401		83.00			5				
52038.1.1	New Hanover	17	I-140 WB EXIT RAMP TO I-40 WB	FROM MAP 16 AT GORE TO I-40 WB (MP 0.000 - MP 0.369)	3	1	2WD	NO	NO	0.369	23							28		0.74					532		31.00			5				
TOTAL FOR MAP NO. 17										0.369								28		0.74				532		31.00			5					
52038.1.1	New Hanover	18	I-140 WB ENTRANCE RAMP OFF I-40 WB	FROM GORE AT I-40 WB TO GORE AT I-140 WB (MP 0.000 - MP 0.185)	4	1	2WD	NO	NO	0.185	23							14		0.19					221		13.00			5				
TOTAL FOR MAP NO. 18										0.185								14		0.19				221		13.00			5					
52038.1.1	New Hanover	19	I-140 WB EXIT RAMP AT I-40 EB	FROM GORE AT I-140 WB TO GORE AT I-40 EB (MP 0.000 - MP 0.180)	4	1	2WD	NO	NO	0.18	23							14		0.18					215		13.00			5				
TOTAL FOR MAP NO. 19										0.18								14		0.18				215		13.00			5					
52038.1.1	New Hanover	20	I-140 WB ENTRANCE RAMP	FROM GORE AT I-40 EB TO GORE AT MAP 16 (MP 0.000 - MP 0.390)	3	1	2WD	NO	NO	0.39	24							29		0.78					487		29.00			5				
TOTAL FOR MAP NO. 20										0.39								29		0.78				487		29.00			5					
52038.1.1	New Hanover	21	US 17 NB (JOHN JAY BURNEY JR. FWY)	FROM I-40/I-140 INTERSECTION TO 0.64 MI. NORTH (MP 10.604 - MP 11.244)	1	2	2WD	NO	NO	0.64	38 - 67				94.00			48		1.28			250		1,263	25	76.00	6,758	5	5				
TOTAL FOR MAP NO. 21										0.64					94.00			48		1.28			250		1,263	25	76.00	6,758	5	5				
52038.1.1	New Hanover	22	US 17 SB (JOHN JAY BURNEY JR. FWY)	FROM 0.64 MI. SOUTH OF I-40/I-140 TO I-40/I-140 INTERSECTION (MP 6.465 - MP 7.105)	1	2	2WD	NO	NO	0.64	38 - 67				80.00			48		1.28			250		1,263	50	78.00	6,758	5	5				
TOTAL FOR MAP NO. 22										0.64					80.00			48		1.28			250		1,263	50	78.00	6,758	5	5				
TOTAL FOR PROJ NO. 52038.1.1										19.888						30.00	10.00	8,740	1,210.00	10.00	1,800.00	1,261	3	38.04	28,160	6,690	10,795	4,222	29,684	275	1,975.00	157,164	417	500
GRAND TOTAL										19.888						30.00	10.00	8,740	1,210.00	10.00	1,800.00	1,261	3	38.04	28,160	6,690	10,795	4,222	29,684	275	1,975.00	157,164	417	500

PROJECT NO.	SHEET NO.
I-5760	12

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	440000000-E	440500000-E	441000000-E	441500000-N	442000000-N	442200000-N	443000000-N	444500000-E	448000000-N	451000000-N	460000000-N	465000000-N	468000000-E		
										WORK ZONE SIGNS (STATIONARY)	WORK ZONE SIGNS (PORTABLE)	WORK ZONE SIGNS (BARRICADE MOUNTED)	FLASHING ARROW BOARD	PORTABLE CHANGABLE MSG SIGN	PORTABLE CHANGABLE MSG SIGN (SHORT TERM)	DRUMS	BARRICADES (TYPE III)	TMA	LAW ENFORCEMENT	GENERIC TRAFFIC CONTROL ITEM DIGITAL SPEED LIMIT SIGN	TEMPORARY RAISED PAVEMENT MARKERS	6" X90 M YELLOW THERMO	6" X90 M WHITE THERMO	
NO		NO			NO					SF	SF	SF	EA	EA	DAY	EA	LF	EA	HR	EA	EA	LF	LF	
52038.1.1	New Hanover	1	I-140 EB (JOHN JAY BURNEY JR. FWY)	FROM US 421 TO I-40 (MP 0.000 - MP 6.791)	1, 1A, 2	2	2WD	6.791	38 - 67	406	485	32	2	3	30	200	36	1	100	3	1,358	35,582	35,533	
TOTAL FOR MAP NO. 1										406	485	32	2	3	30	200	36	1	100	3	1,358	35,582	35,533	
52038.1.1	New Hanover	2	I-140 WB (JOHN JAY BURNEY JR. FWY)	FROM I-40 TO US 421 (MP 0.000 - MP 6.812)	1, 1A, 2, 2A	2	2WD	6.812	38 - 67										100			35,582	35,533	
TOTAL FOR MAP NO. 2																			100			35,582	35,533	
52038.1.1	New Hanover	3	I-140 EB ENTRANCE RAMP AT US 421	FROM US 421 TO I-140 (MP 0.000 - MP 0.241)	3	1	2WD	0.241	24													1,300	1,300	
TOTAL FOR MAP NO. 3																						1,300	1,300	
52038.1.1	New Hanover	4	I-140 WB EXIT RAMP AT US 421	FROM I-140 WB TO US 421 (MP 0.000 - MP 0.199)	4	1	2WD	0.199	23													1,100	1,100	
TOTAL FOR MAP NO. 4																							1,100	1,100
52038.1.1	New Hanover	5	I-140 WB EXIT RAMP LEG AT US 421	FROM MAP 4 TO US 421 (MP 0.000 - MP 0.025)	3	1	2WD	0.025	24													300	220	
TOTAL FOR MAP NO. 5																							300	220
52038.1.1	New Hanover	6	I-140 EB EXIT RAMP	FROM I-140 EB TO MAP 7 (MP 0.000 - MP 0.099)	4	1	2WD	0.099	22													900	900	
TOTAL FOR MAP NO. 6																							900	900
52038.1.1	New Hanover	7	I-140 EB ENTRANCE / EXIT RAMP JOINT	FROM MAPS 6 / 8 TO US 133 (CASTLE HAYNE RD.) [MP 0.000 - MP 0.040]	5	2	2WD	0.04	45													300	200	
TOTAL FOR MAP NO. 7																							300	200
52038.1.1	New Hanover	8	I-140 EB ENTRANCE RAMP	FROM MAP 7 TO I-140 EB (MP 0.000 - MP 0.203)	3	1	2WD	0.203	24													1,100	1,100	
TOTAL FOR MAP NO. 8																							1,100	1,100
52038.1.1	New Hanover	9	I-140 WB EXIT RAMP	FROM I-140 WB TO MAP 10 (MP 0.000 - MP 0.279)	3	1	2WD	0.279	24													1,475	1,475	
TOTAL FOR MAP NO. 9																							1,475	1,475
52038.1.1	New Hanover	10	I-140 WB ENTRANCE / EXIT RAMP JOINT	FROM MAPS 9 / 11 TO NC 133 (CASTLE HAYNE RD.) [MP 0.000 - MP 0.066]	6	2	2WD	0.066	62													300	450	
TOTAL FOR MAP NO. 10																							300	450
52038.1.1	New Hanover	11	I-140 WB ENTRANCE RAMP	FROM MAP 10 TO I-140 WB (MP 0.000 - MP 0.133)	4	1	2WD	0.133	23													650	650	
TOTAL FOR MAP NO. 11																							650	650
52038.1.1	New Hanover	12	I-140 EB EXIT RAMP AT I-40 EB	FROM I-140 EB TO I-40 EB (MP 0.000 - MP 0.455)	3	1	2WD	0.455	25													2,150	2,400	
TOTAL FOR MAP NO. 12																							2,150	2,400
52038.1.1	New Hanover	13	I-140 EB EXIT RAMP AT I-40 WB	FROM MAP 12 AT GORE TO MAP 17 AT GORE (MP 0.000 - MP 0.502)	3	1	2WD	0.502	25													1,175	1,175	
TOTAL FOR MAP NO. 13																							1,175	1,175
52038.1.1	New Hanover	14	I-140 EB ENTRANCE RAMP AT I-40 EB	I-40 EB GORE TO I-140 EB GORE (MP 0.000 - MP 0.185)	4	1	2WD	0.185	23													1,050	25	
TOTAL FOR MAP NO. 14																							1,050	25
52038.1.1	New Hanover	15	I-140 EB ENTRANCE RAMP AT I-40 WB	FROM I-40 WB TO I-140 EB (MP 0.000 - MP 0.455)	3	1	2WD	0.455	26													2,300	2,300	
TOTAL FOR MAP NO. 15																							2,300	2,300
52038.1.1	New Hanover	16	I-140 EXIT/ENTRANCE LANE AT US 17 SB	FROM US 17 SB TO I-140 WB (MP 0.000 - MP 0.999)	3	1	2WD	0.999	25													5,300	5,000	
TOTAL FOR MAP NO. 16																							5,300	5,000
52038.1.1	New Hanover	17	I-140 WB EXIT RAMP TO I-40 WB	FROM MAP 16 AT GORE TO I-40 WB (MP 0.000 - MP 0.369)	3	1	2WD	0.369	23													1,100	1,100	
TOTAL FOR MAP NO. 17																							1,100	1,100
52038.1.1	New Hanover	18	I-140 WB ENTRANCE RAMP OFF I-40 WB	FROM GORE AT I-40 WB TO GORE AT I-140 WB (MP 0.000 - MP 0.185)	4	1	2WD	0.185	23													1,050	25	
TOTAL FOR MAP NO. 18																							1,050	25
52038.1.1	New Hanover	19	I-140 WB EXIT RAMP AT I-40 EB	FROM GORE AT I-140 WB TO GORE AT I-40 EB (MP 0.000 - MP 0.180)	4	1	2WD	0.18	23													1,050	25	
TOTAL FOR MAP NO. 19																							1,050	25
52038.1.1	New Hanover	20	I-140 WB ENTRANCE RAMP	FROM GORE AT I-40 EB TO GORE AT MAP 16 (MP 0.000 - MP 0.390)	3	1	2WD	0.39	24													2,060	2,060	
TOTAL FOR MAP NO. 20																							2,060	2,060
52038.1.1	New Hanover	21	US 17 NB (JOHN JAY BURNEY JR. FWY)	FROM I-40/I-140 INTERSECTION TO 0.64 MI. NORTH (MP 10.604 - MP 11.244)	1	2	2WD	0.64	38 - 67													3,379	3,379	
TOTAL FOR MAP NO. 21																							3,379	3,379
52038.1.1	New Hanover	22	US 17 SB (JOHN JAY BURNEY JR. FWY)	FROM 0.64 MI. SOUTH OF I-40/I-140 TO I-40/ I-140 INTERSECTION (MP 6.465 - MP 7.105)	1	2	2WD	0.64	38 - 67													3,379	3,379	
TOTAL FOR MAP NO. 22																							3,379	3,379
TOTAL FOR PROJ NO. 52038.1.1										406	485	32	2	3	30	200	36	1	200	3	1,358	102,582	96,679	
GRAND TOTAL										19,888												1,358	102,582	96,679
																						199,261		

PROJECT NO.	SHEET NO.
I-5760	14

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4847100000-E		4847120000-E	4850000000-E	4865000000-E	4890000000-E	4900000000-N		4905000000-N		
										6" YELLOW POLYUREA (HIGHLY REFLECTIVE ELEMENTS) LF	6" WHITE POLYUREA (HIGHLY REFLECTIVE ELEMENTS) LF	12" WHITE POLYUREA (HIGHLY REFLECTIVE ELEMENTS) LF	REMOVAL OF PAVEMENT MARKING LINES (4") LF	REMOVAL OF PAVEMENT MARKING LINES (12") LF	6" BLACK POLYUREA LF	CRYSTAL & RED MARKERS EA	YELLOW & YELLOW MARKERS EA	SNOW PLOWABLE MARKERS (C/R) EA	SNOW PLOWABLE MARKERS (Y/Y) EA	
52038.1.1	New Hanover	1	I-140 EB (JOHN JAY BURNEY JR. FWY)	FROM US 421 TO I-40 (MP 0.000 - MP 6.791)	1, 1A, 2	2	2WD	6.791	38 - 67	4,418	6,237	500	9,035	500	1,620	60		559		
TOTAL FOR MAP NO. 1										4,418	6,237	500	9,035	500	1,620	60		559		
52038.1.1	New Hanover	2	I-140 WB (JOHN JAY BURNEY JR. FWY)	FROM I-40 TO US 421 (MP 0.000 - MP 6.812)	1, 1A, 2, 2A	2	2WD	6.812	38 - 67	4,418	6,857		12,895		1,620	60		434		
TOTAL FOR MAP NO. 2										4,418	6,857		12,895		1,620	60		434		
52038.1.1	New Hanover	3	I-140 EB ENTRANCE RAMP AT US 421	FROM US 421 TO I-140 (MP 0.000 - MP 0.241)	3	1	2WD	0.241	24											
TOTAL FOR MAP NO. 3										0.241										
52038.1.1	New Hanover	4	I-140 WB EXIT RAMP AT US 421	FROM I-140 WB TO US 421 (MP 0.000 - MP 0.199)	4	1	2WD	0.199	23									10		
TOTAL FOR MAP NO. 4										0.199								10		
52038.1.1	New Hanover	5	I-140 WB EXIT RAMP LEG AT US 421	FROM MAP 4 TO US 421 (MP 0.000 - MP 0.025)	3	1	2WD	0.025	24											
TOTAL FOR MAP NO. 5										0.025										
52038.1.1	New Hanover	6	I-140 EB EXIT RAMP	FROM I-140 EB TO MAP 7 (MP 0.000 - MP 0.099)	4	1	2WD	0.099	22											
TOTAL FOR MAP NO. 6										0.099										
52038.1.1	New Hanover	7	I-140 EB ENTRANCE / EXIT RAMP JOINT	FROM MAPS 6 / 8 TO US 133 (CASTLE HAYNE RD.) [MP 0.000 - MP 0.040]	5	2	2WD	0.04	45								14		12	
TOTAL FOR MAP NO. 7										0.04							14		12	
52038.1.1	New Hanover	8	I-140 EB ENTRANCE RAMP	FROM MAP 7 TO I-140 EB (MP 0.000 - MP 0.203)	3	1	2WD	0.203	24											
TOTAL FOR MAP NO. 8										0.203										
52038.1.1	New Hanover	9	I-140 WB EXIT RAMP	FROM I-140 WB TO MAP 10 (MP 0.000 - MP 0.279)	3	1	2WD	0.279	24											
TOTAL FOR MAP NO. 9										0.279										
52038.1.1	New Hanover	10	I-140 WB ENTRANCE / EXIT RAMP JOINT	FROM MAPS 9 / 11 TO NC 133 (CASTLE HAYNE RD.) [MP 0.000 - MP 0.066]	6	2	2WD	0.066	62								34	28	8	
TOTAL FOR MAP NO. 10										0.066							34	28	8	
52038.1.1	New Hanover	11	I-140 WB ENTRANCE RAMP	FROM MAP 10 TO I-140 WB (MP 0.000 - MP 0.133)	4	1	2WD	0.133	23											
TOTAL FOR MAP NO. 11										0.133										
52038.1.1	New Hanover	12	I-140 EB EXIT RAMP AT I-40 EB	FROM I-140 EB TO I-40 EB (MP 0.000 - MP 0.455)	3	1	2WD	0.455	25											
TOTAL FOR MAP NO. 12										0.455										
52038.1.1	New Hanover	13	I-140 EB EXIT RAMP AT I-40 WB	FROM MAP 12 AT GORE TO MAP 17 AT GORE (MP 0.000 - MP 0.502)	3	1	2WD	0.502	25	125	125		250		25					
TOTAL FOR MAP NO. 13										0.502	125	125	250		25					
52038.1.1	New Hanover	14	I-140 EB ENTRANCE RAMP AT I-40 EB	I-40 EB GORE TO I-140 EB GORE (MP 0.000 - MP 0.185)	4	1	2WD	0.185	23											
TOTAL FOR MAP NO. 14										0.185										
52038.1.1	New Hanover	15	I-140 EB ENTRANCE RAMP AT I-40 WB	FROM I-40 WB TO I-140 EB (MP 0.000 - MP 0.455)	3	1	2WD	0.455	26											
TOTAL FOR MAP NO. 15										0.455										
52038.1.1	New Hanover	16	I-140 EB/ENTRANCE LANE AT US 17 SB	FROM US 17 SB TO I-140 WB (MP 0.000 - MP 0.999)	3	1	2WD	0.999	25	400	400		800		25			129		
TOTAL FOR MAP NO. 16										0.999	400	400	800		25			129		
52038.1.1	New Hanover	17	I-140 WB EXIT RAMP TO I-40 WB	FROM MAP 16 AT GORE TO I-40 WB (MP 0.000 - MP 0.369)	3	1	2WD	0.369	23											
TOTAL FOR MAP NO. 17										0.369										
52038.1.1	New Hanover	18	I-140 WB ENTRANCE RAMP OFF I-40 WB	FROM GORE AT I-40 WB TO GORE AT I-140 WB (MP 0.000 - MP 0.185)	4	1	2WD	0.185	23											
TOTAL FOR MAP NO. 18										0.185										
52038.1.1	New Hanover	19	I-140 WB EXIT RAMP AT I-40 EB	FROM GORE AT I-140 WB TO GORE AT I-40 EB (MP 0.000 - MP 0.180)	4	1	2WD	0.18	23											
TOTAL FOR MAP NO. 19										0.18										
52038.1.1	New Hanover	20	I-140 WB ENTRANCE RAMP	FROM GORE AT I-40 EB TO GORE AT MAP 16 (MP 0.000 - MP 0.390)	3	1	2WD	0.39	24											
TOTAL FOR MAP NO. 20										0.39										
52038.1.1	New Hanover	21	US 17 NB (JOHN JAY BURNEY JR. FWY)	FROM I-40/I-140 INTERSECTION TO 0.64 MI. NORTH (MP 10.604 - MP 11.244)	1	2	2WD	0.64	38 - 67	129	136		265		10	5				
TOTAL FOR MAP NO. 21										0.64	129	136	265		10	5				
52038.1.1	New Hanover	22	US 17 SB (JOHN JAY BURNEY JR. FWY)	FROM 0.64 MI. SOUTH OF I-40/I-140 TO I-40/I-140 INTERSECTION (MP 6.465 - MP 7.105)	1	2	2WD	0.64	38 - 67	125	135		260		10	5				
TOTAL FOR MAP NO. 22										0.64	125	135	260		10	5				
TOTAL FOR PROJ NO. 52038.1.1										19,888	9,615	13,890	500	23,505	500	3,310	130	48	1,160	20
GRAND TOTAL										19,888	9,615	13,890	500	23,505	500	3,310	130	48	1,160	20