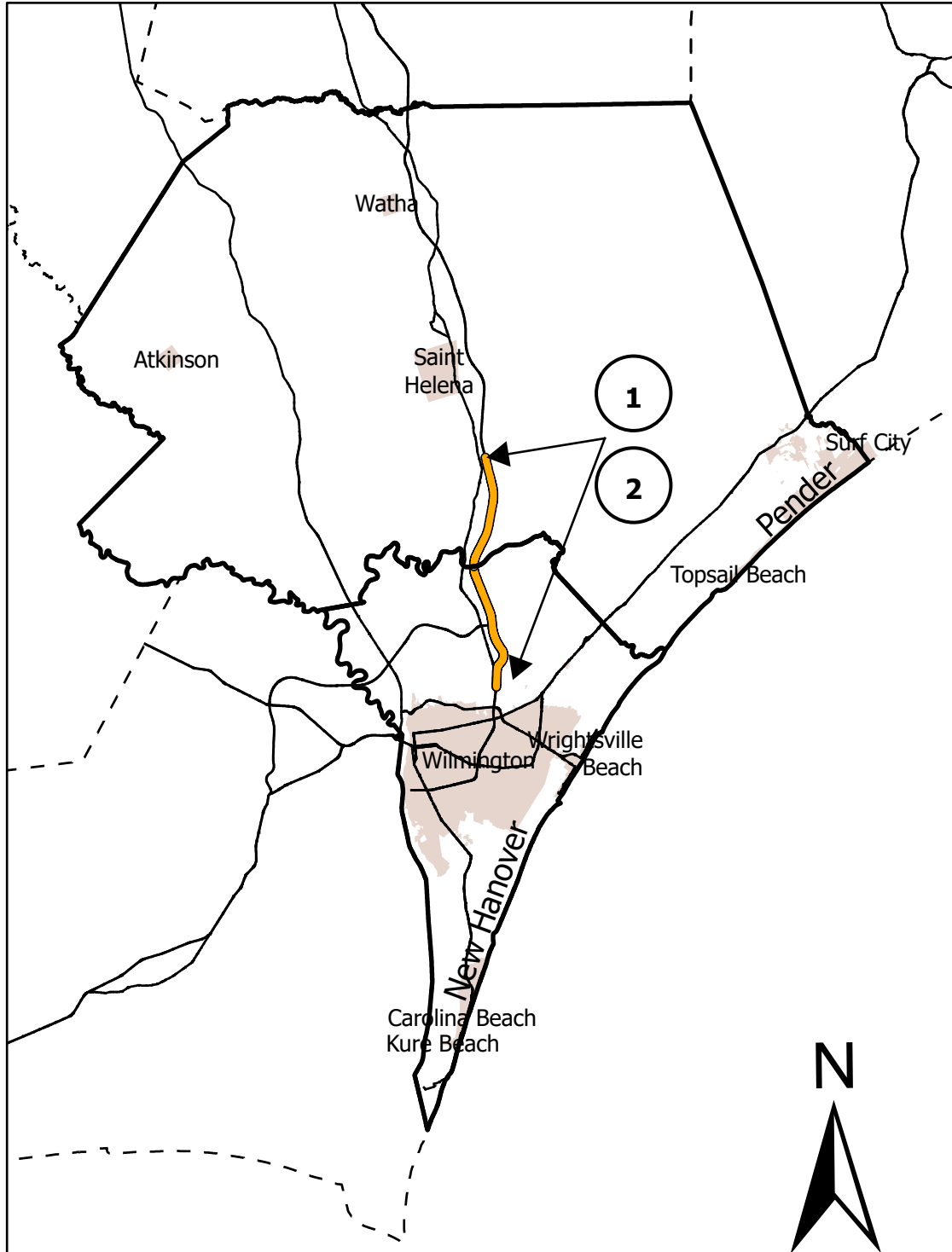
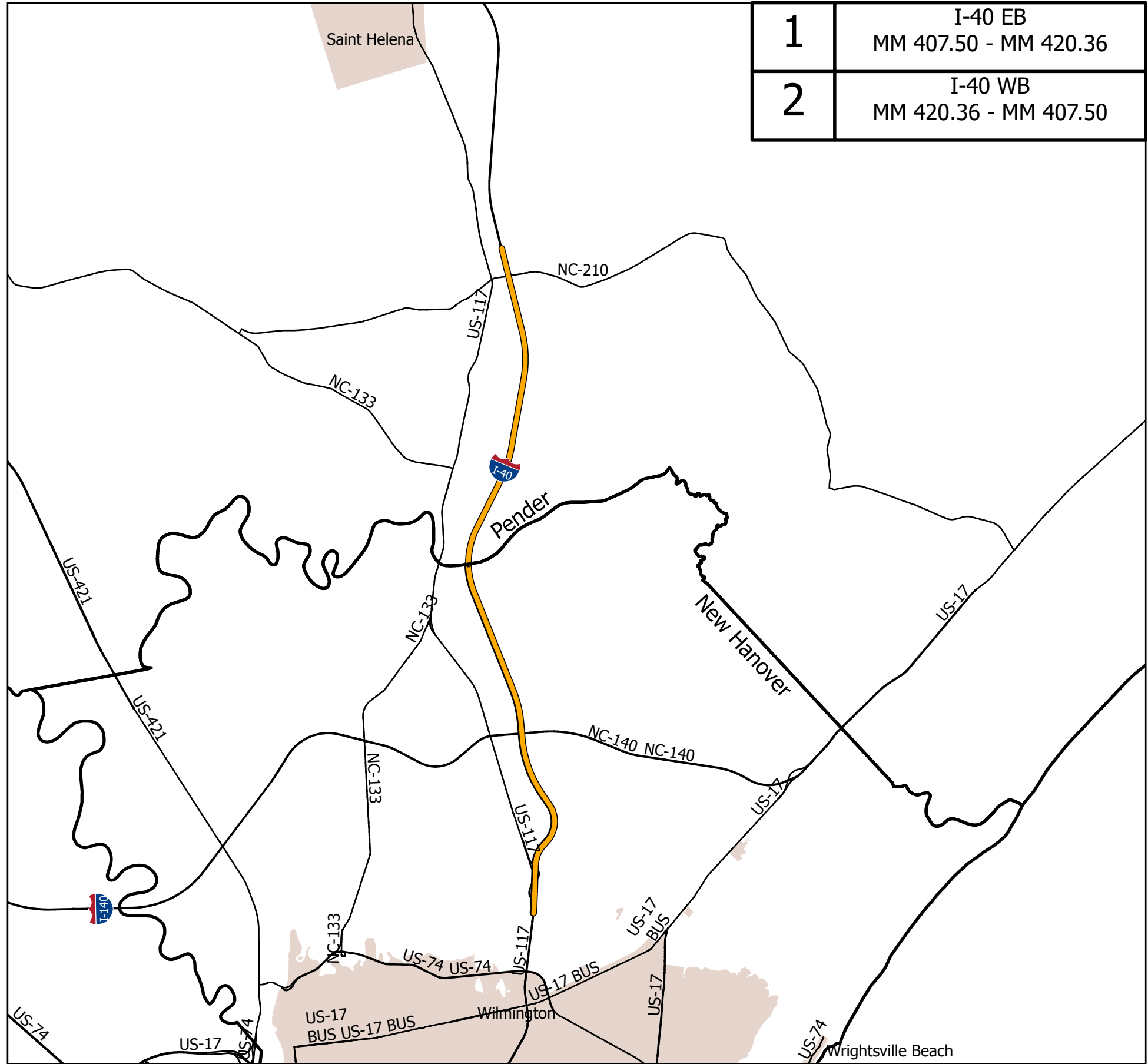


TIP: I-6039 WBS: 47988.3.1  
 I-40 PENDER/NEW HANOVER RESURFACING

PROJECT REFERENCE NO.	SHEET NO.
I-6039	1

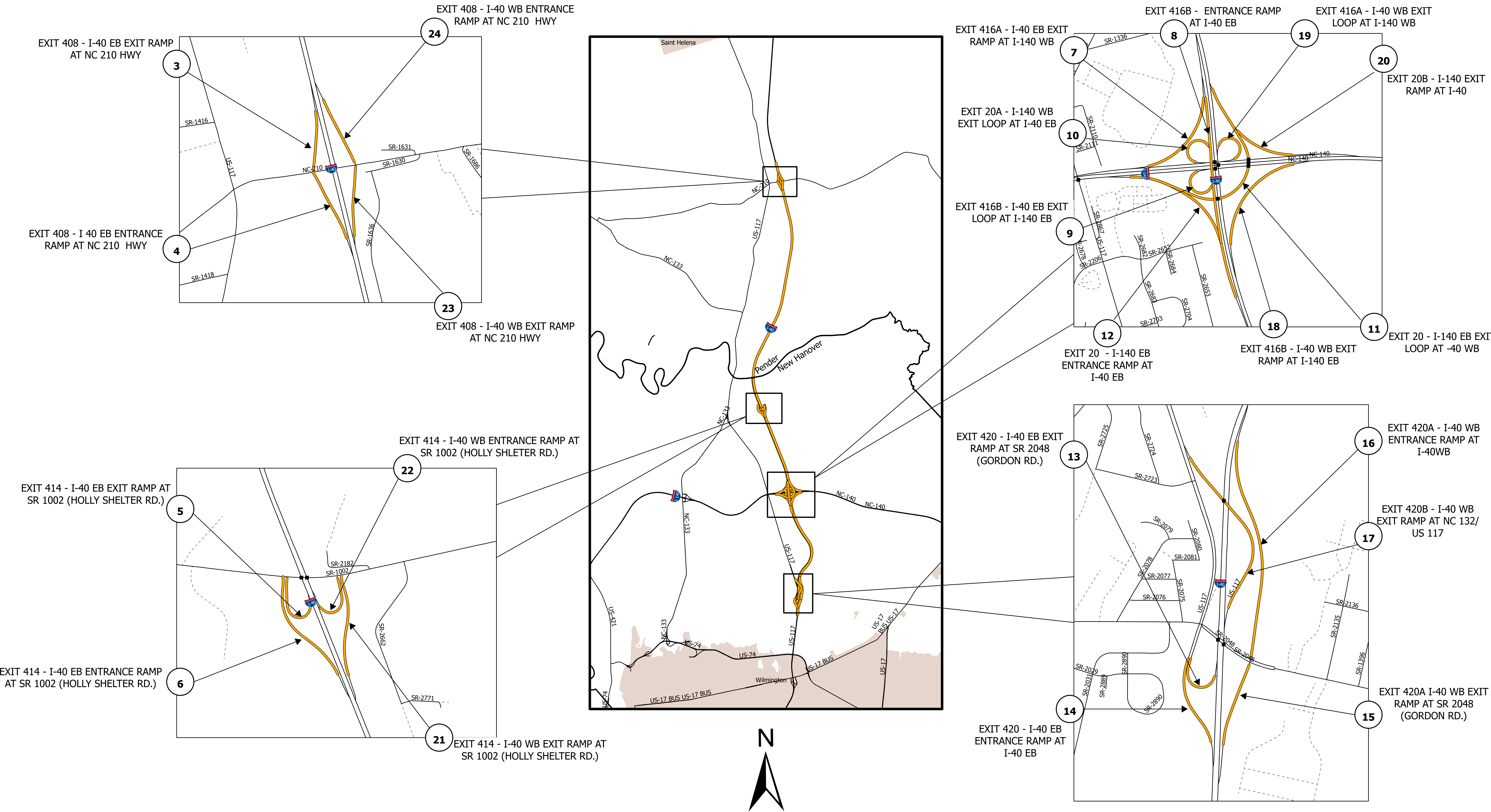


<b>1</b>	I-40 EB MM 407.50 - MM 420.36
<b>2</b>	I-40 WB MM 420.36 - MM 407.50



# TIP: I-6039 WBS: 47988.3.1

## I-40 PENDER/NEW HANOVER RESURFACING RAMP



EXIT 408 - I-40 EB EXIT RAMP AT NC 210 HWY

EXIT 408 - I-40 WB ENTRANCE RAMP AT NC 210 HWY

EXIT 408 - I-40 WB ENTRANCE RAMP AT NC 210 HWY

EXIT 408 - I-40 WB EXIT RAMP AT NC 210 HWY

EXIT 414 - I-40 EB EXIT RAMP AT SR 1002 (HOLLY SHELTER RD.)

EXIT 414 - I-40 EB ENTRANCE RAMP AT SR 1002 (HOLLY SHELTER RD.)

EXIT 414 - I-40 WB ENTRANCE RAMP AT SR 1002 (HOLLY SHELTER RD.)

EXIT 414 - I-40 WB EXIT RAMP AT SR 1002 (HOLLY SHELTER RD.)

EXIT 416A - I-40 EB EXIT RAMP AT I-140 WB

EXIT 20A - I-140 WB EXIT LOOP AT I-40 EB

EXIT 416B - I-40 EB EXIT LOOP AT I-140 EB

EXIT 420 - I-40 EB EXIT RAMP AT SR 2048 (GORDON RD.)

EXIT 420 - I-40 EB ENTRANCE RAMP AT I-40 EB

EXIT 416B - ENTRANCE RAMP AT I-40 EB

EXIT 416A - I-40 WB EXIT LOOP AT I-140 WB

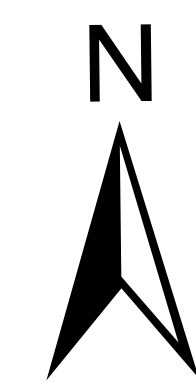
EXIT 20B - I-140 EXIT RAMP AT I-40

EXIT 20 - I-140 EB EXIT LOOP AT I-40 WB

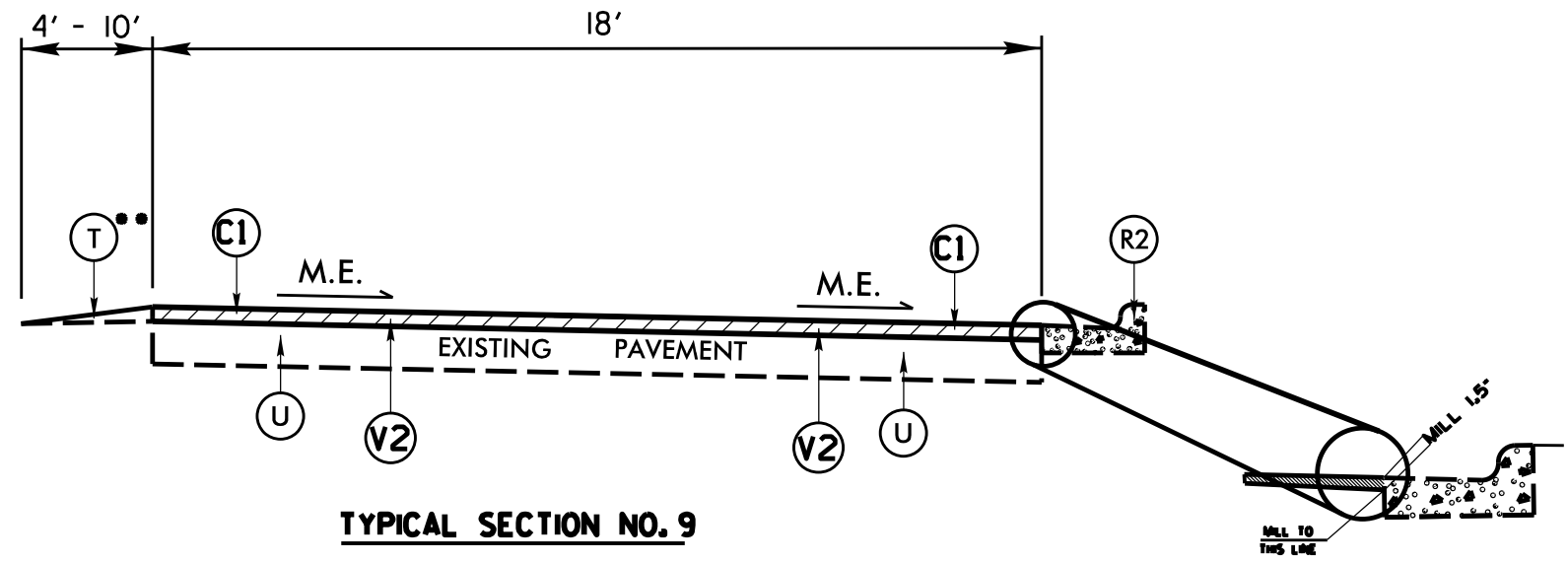
EXIT 420A - I-40 WB ENTRANCE RAMP AT I-40WB

EXIT 420B - I-40 WB EXIT RAMP AT NC 132/ US 117

EXIT 420A I-40 WB EXIT RAMP AT SR 2048 (GORDON RD.)







TYPICAL SECTION NO. 9

MAP NO. 5  
EXIT 414 I-40 EB EXIT RAMP(SR 1002)  
MP 0.04 - MP 0.23

MAP NO. 22  
EXIT 414 I-40 WB ENTRANCE RAMP(I-40 WB)  
MP 0.01 - MP 0.17

PAVEMENT SCHEDULE	
B	PROP. APPROX. 3/4" OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED, AT AN AVERAGE RATE OF 90 LBS. PER SQ.YD.
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
M	MILLED RUMBLE STRIP
R2	EXISTING CONCRETE MONOLITHIC ISLAND
T	AGGREGATE SHOULDER BORROW (ASB) SHLDR. RECONSTR.
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT 1 1/4" TO 2 1/4" DEPTH
V2	MILLING ASPHALT PAVEMENT 1 1/2" DEPTH
V3	MILLING ASPHALT PAVEMENT 1 1/4" DEPTH

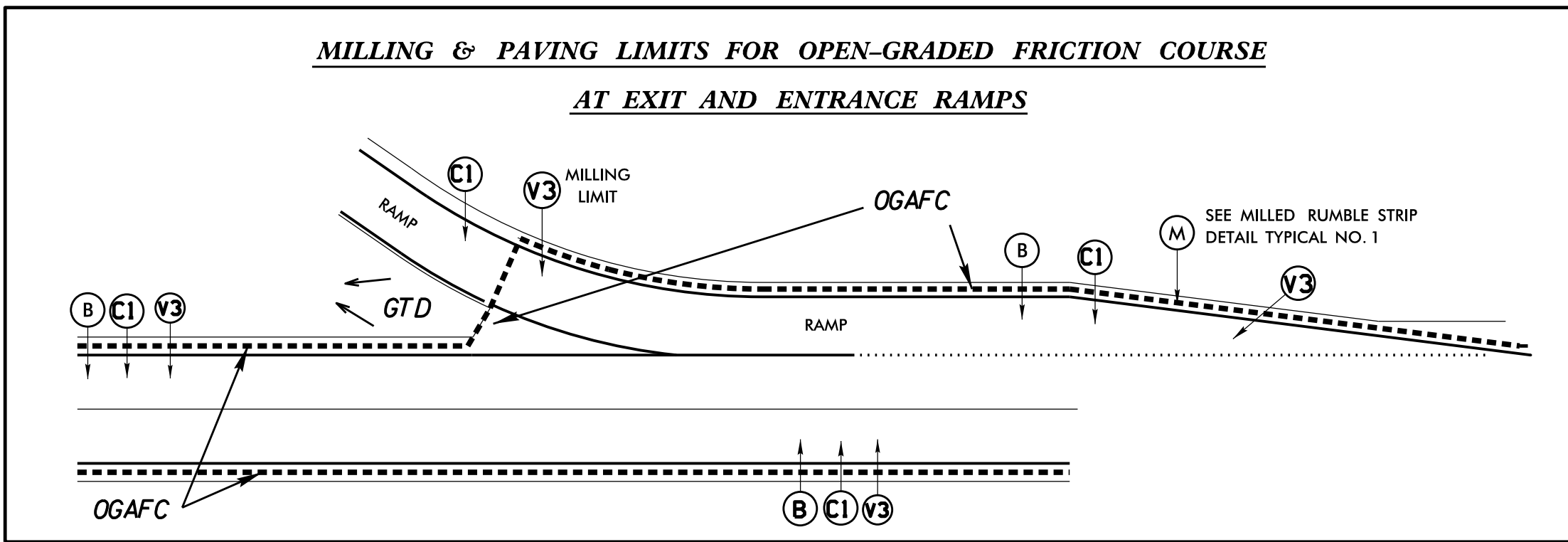
NOTES: ALL MILLED SURFACES MUST BE RESURFACED BY THE END OF EACH WORK DAY.

**V3 MILLING: 3/4" TO REMOVE EXISTING OGAF C AND 1/2" SURFACE COURSE**

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

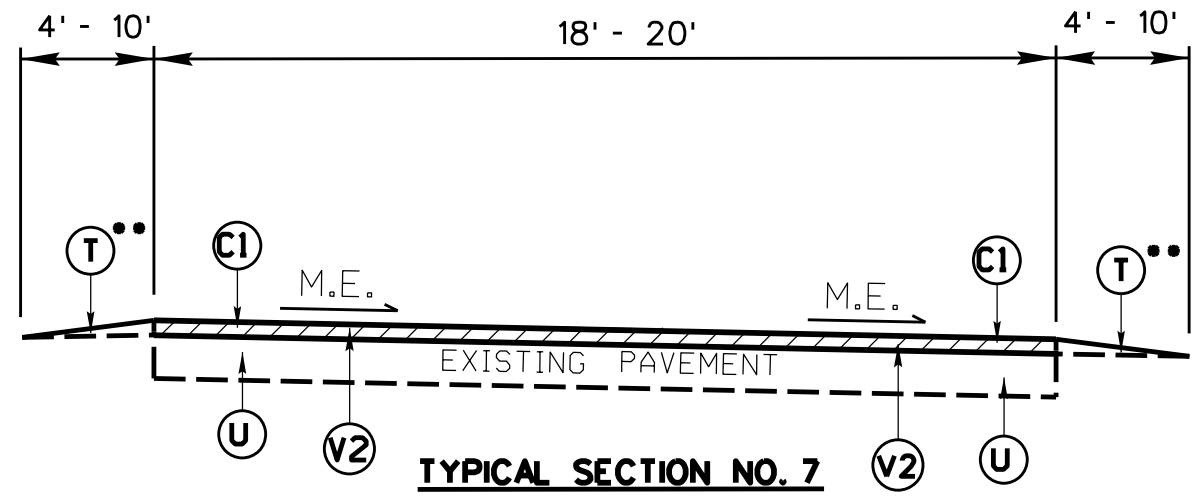
•• SHOULDER WORK ON MAPS NO. 1 - 12, 15 - 22, & 24 AS NEEDED, TO BE DETERMINED BY ENGINEER.

MILLING & PAVING LIMITS FOR OPEN-GRADED FRICTION COURSE  
AT EXIT AND ENTRANCE RAMPS



FOR USE WITH TYPICALS 1 & 2

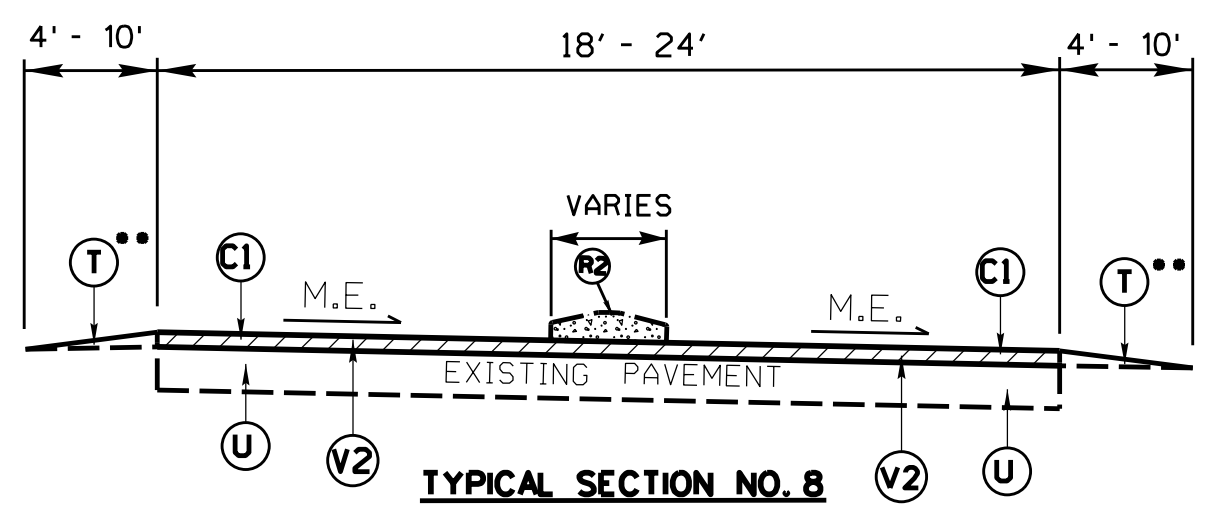
8/17/95  
SYSTEMS  
PLANNING  
DESIGN  
CONSTRUCTION  
MAINTENANCE



MAP NO. 4  
EXIT 408 I-40 EB ENTRANCE RAMP(I-40EB)  
MP 0.00 - MP 0.22

MAP NO. 17  
EXIT 420B I-40 WB EXIT RAMP(I-40 WB)  
MP 9.19 - MP 9.67

MAP NO. 24  
EXIT 408 I-40 WB ENTRANCE RAMP(I-40 WB)  
MP 0.01 - MP 0.22



MAP NO. 3  
EXIT 408 I-40 EB EXIT RAMP(NC 210)  
MP 0.09 - MP 0.27

MAP NO. 6  
EXIT 414 I-40 EB EXIT RAMP(SR 1002)  
MP 0.00 - MP 0.36

MAP NO. 15  
EXIT 420A I-40 WB EXIT RAMP(SR 2048)  
MP 0.11 - MP 0.33

MAP NO. 21  
EXIT 414 I-40 WB EXIT RAMP(SR 1002)  
MP 0.08 - MP 0.39

MAP NO. 23  
EXIT 408 I-40 WB EXIT RAMP(NC 210)  
MP 0.03 - MP 0.24

PAVEMENT SCHEDULE	
B	PROP. APPROX. 3/4" OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED, AT AN AVERAGE RATE OF 90 LBS. PER SQ.YD.
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
M	MILLED RUMBLE STRIP
R1	EXISTING CONCRETE 2'-6" CURB & GUTTER
R2	EXISTING CONCRETE MONOLITHIC ISLAND
T	AGGREGATE SHOULDER BORROW (ASB) SHLDR. RECONSTR.
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT 1 1/4" TO 2 1/4" DEPTH
V2	MILLING ASPHALT PAVEMENT 1 1/2" DEPTH
V3	MILLING ASPHALT PAVEMENT 1/4" DEPTH

**NOTES: ALL MILLED SURFACES MUST BE RESURFACED BY THE END OF EACH WORK DAY.**

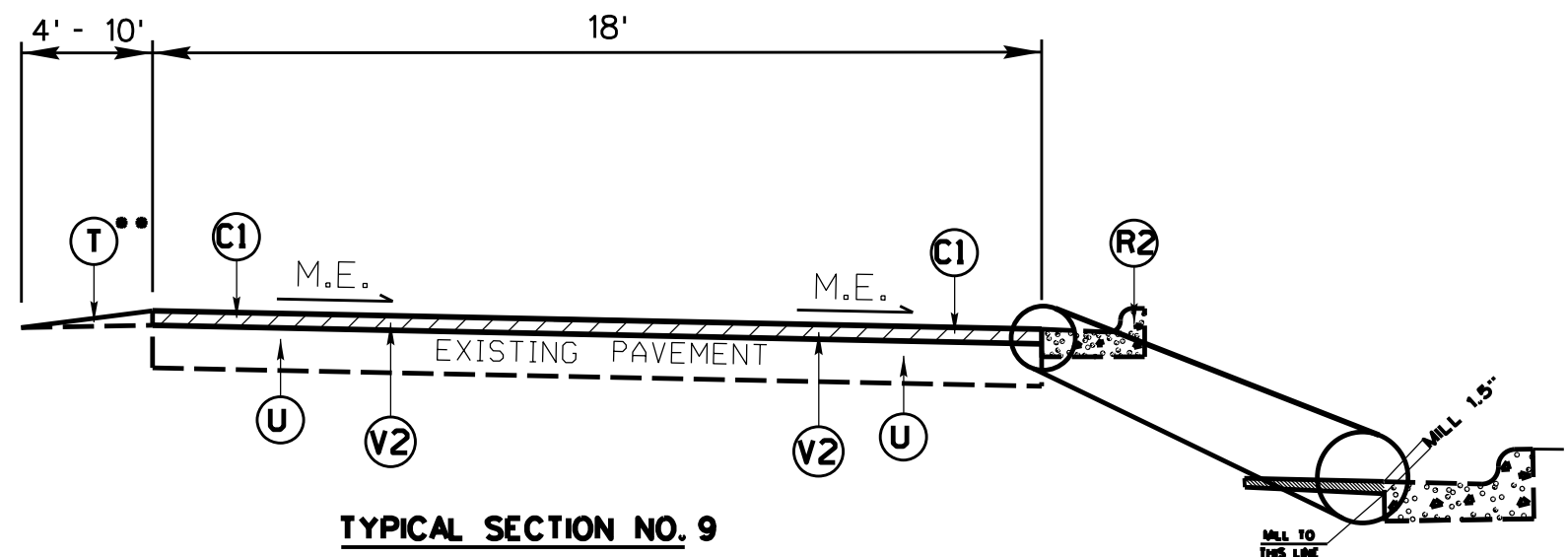
PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

\*\* SHOULDER WORK ON MAPS NO. 1 - 12, 15 - 22, & 24 AS NEEDED, TO BE DETERMINED BY ENGINEER.

REVISIONS

8/17/99

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DESIGN\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$



TYPICAL SECTION NO. 9

MAP NO. 5  
EXIT 414 I-40 EB EXIT RAMP(SR 1002)  
MP 0.04 - MP 0.23

MAP NO. 22  
EXIT 414 I-40 WB ENTRANCE RAMP(I-40 WB)  
MP 0.01 - MP 0.17

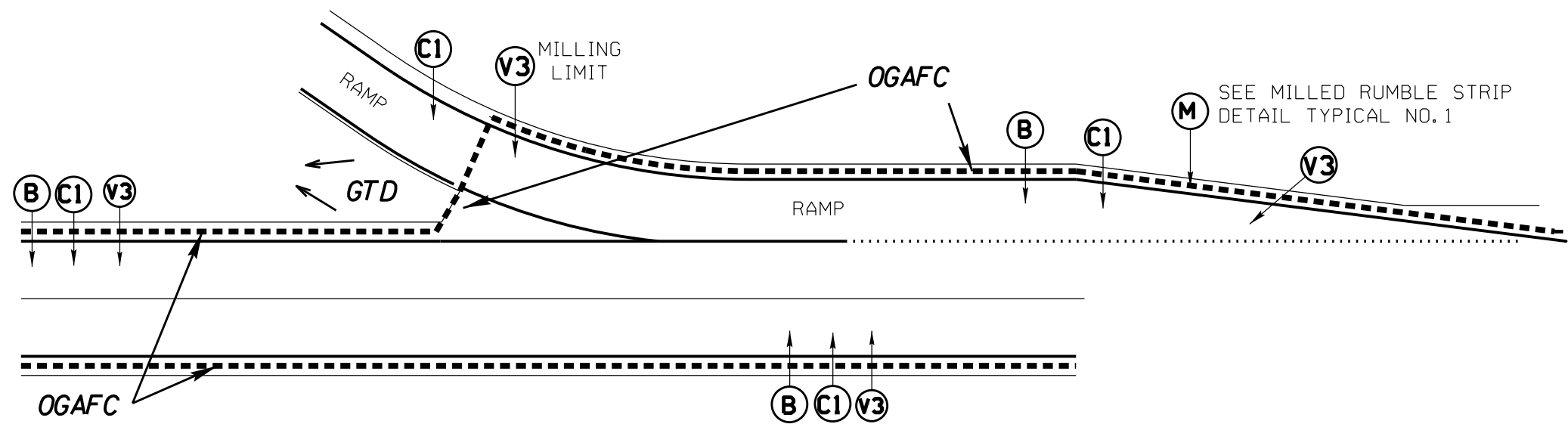
PAVEMENT SCHEDULE	
B	PROP. APPROX. 3/4" OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED, AT AN AVERAGE RATE OF 90 LBS. PER SQ.YD.
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
M	MILLED RUMBLE STRIP
R2	EXISTING CONCRETE MONOLITHIC ISLAND
T	AGGREGATE SHOULDER BORROW (ASB) SHLDR. RECONSTR.
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT 1 1/4" TO 2 1/4" DEPTH
V2	MILLING ASPHALT PAVEMENT 1 1/2" DEPTH
V3	MILLING ASPHALT PAVEMENT 1 1/4" DEPTH

**NOTES: ALL MILLED SURFACES MUST BE RESURFACED BY THE END OF EACH WORK DAY.**

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

\*\* SHOULDER WORK ON MAPS NO. 1 - 12, 15 - 22, & 24 AS NEEDED, TO BE DETERMINED BY ENGINEER.

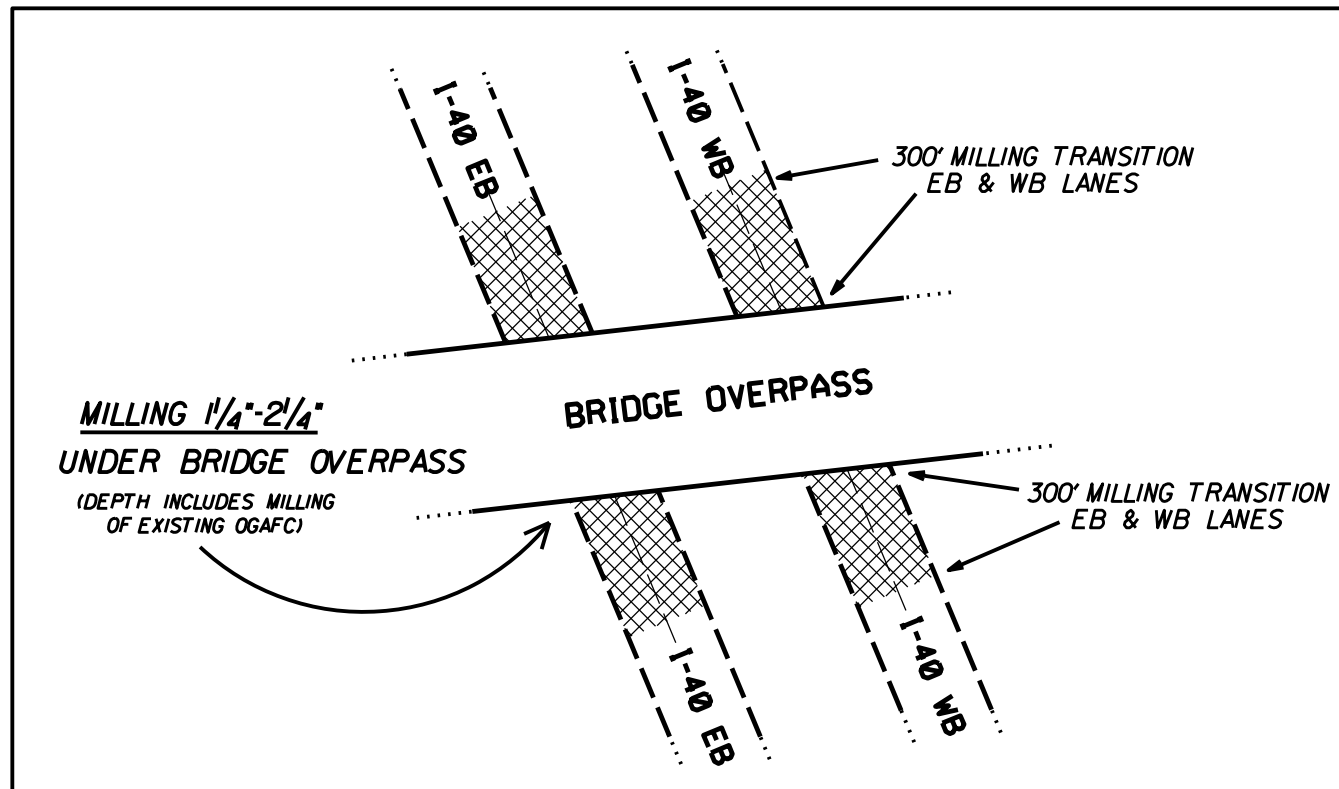
**MILLING & PAVING LIMITS FOR OPEN-GRADED FRICTION COURSE AT EXIT AND ENTRANCE RAMP**



FOR USE WITH TYPICALS 1 & 2

8/17/95 SYSTEMS DESIGN

# MILLING FOR VERTICAL CLEARANCE DETAIL



PAVEMENT SCHEDULE	
B	PROP. APPROX. 3/4" OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED, AT AN AVERAGE RATE OF 90 LBS. PER SQ.YD.
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
M	MILLED RUMBLE STRIP
R1	EXISTING CONCRETE 2'-6" CURB & GUTTER
R2	EXISTING CONCRETE MONOLITHIC ISLAND
T	AGGREGATE SHOULDER BORROW (ASB) SHLDR. RECONSTR.
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT 1 1/4" TO 2 1/4" DEPTH
V2	MILLING ASPHALT PAVEMENT 1 1/2" DEPTH
V3	MILLING ASPHALT PAVEMENT 1/4" DEPTH

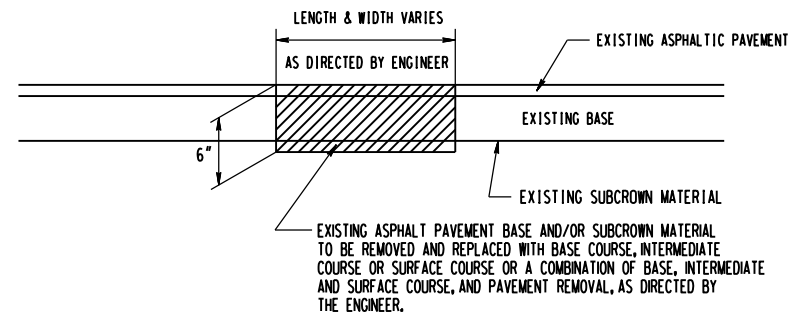
V1

LOCATION	OVERPASS LOCATIONS	BEGIN MILLING MM	END MILLING MM	DISTANCE
NC Highway 210 (Exit 408) EBL	408.05	407.99	408.11	0.12
SR 1336, Sidbury Rd. EBL	416.25	416.19	416.31	0.12
I-140/US 17 Bypass EBL	416.84	416.78	416.90	0.12
I-140/US 17 Bypass EBL	416.85	416.79	416.91	0.12
I-140/US 17 Bypass EBL	416.86	416.80	416.92	0.12
I-140/US 17 Bypass Off-Ramp EBL	416.99	416.93	417.05	0.12
SR 1332, Murrayville Rd. EBL	418.64	418.58	418.70	0.12
NC Highway 132/US 117 EBL	419.54	419.48	419.60	0.12
NC Highway 132/US 117 WBL	419.54	419.60	419.48	0.12
SR 1332, Murrayville Rd. WBL	418.64	418.70	418.58	0.12
I-140/US 17 Bypass Off-Ramp WBL	416.99	417.05	416.93	0.12
I-140/US 17 Bypass WBL	416.86	416.92	416.80	0.12
I-140/US 17 Bypass WBL	416.85	416.91	416.79	0.12
I-140/US 17 Bypass WBL	416.84	416.90	416.78	0.12
SR 1336, Sidbury Rd. WBL	416.25	416.31	416.19	0.12
NC Highway 210 (Exit 408) WBL	408.05	408.11	407.99	0.12

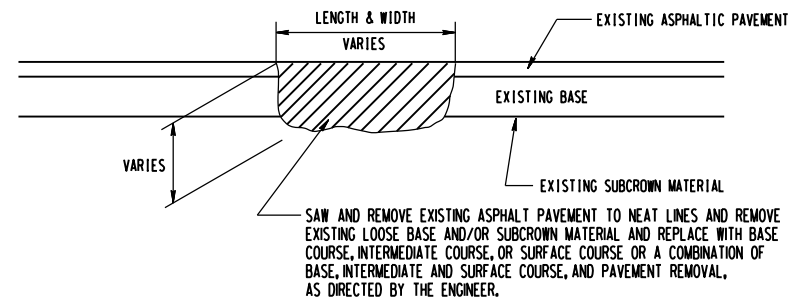
**NOTES: V1 ALL 1 1/4" TO 2 1/4" MILLING WILL BE PERFORMED AT OVERPASS LOCATIONS FOR VERTICAL CLEARANCE**

8/17/99  
 \*\*\*\*\*SYSTEM\*\*\*\*\*  
 \*\*\*\*\*DESIGN\*\*\*\*\*  
 \*\*\*\*\*DRAWING\*\*\*\*\*  
 \*\*\*\*\*NAME\*\*\*\*\*

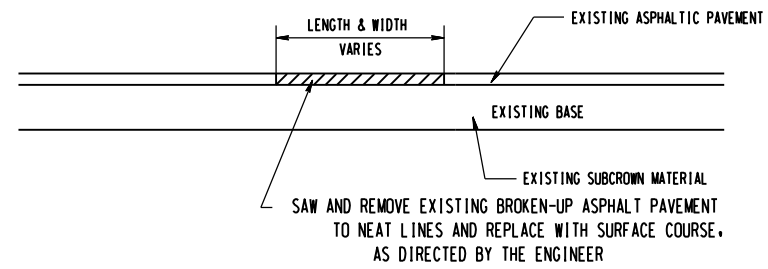
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



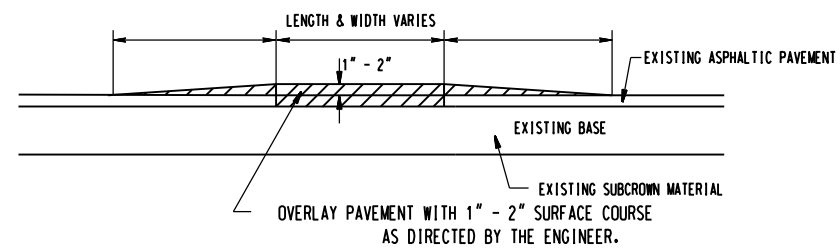
DETAIL NO. 1



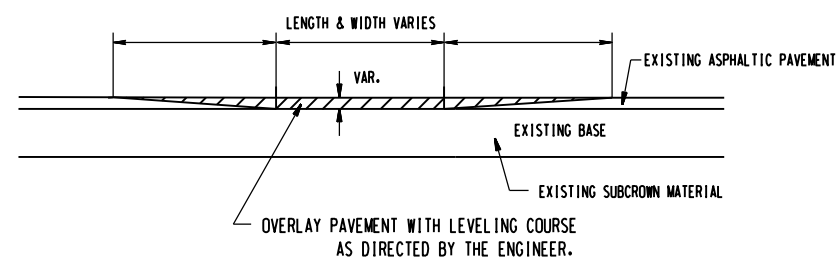
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4



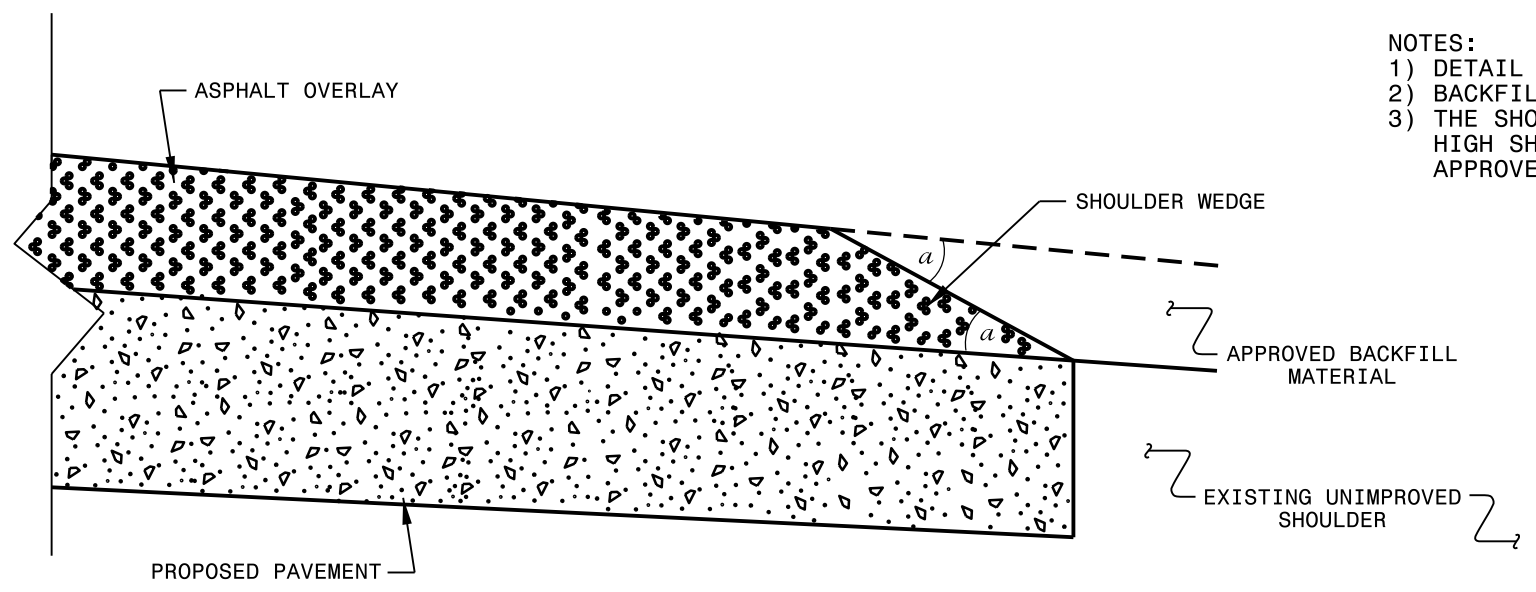
DETAIL NO. 5

REVISIONS

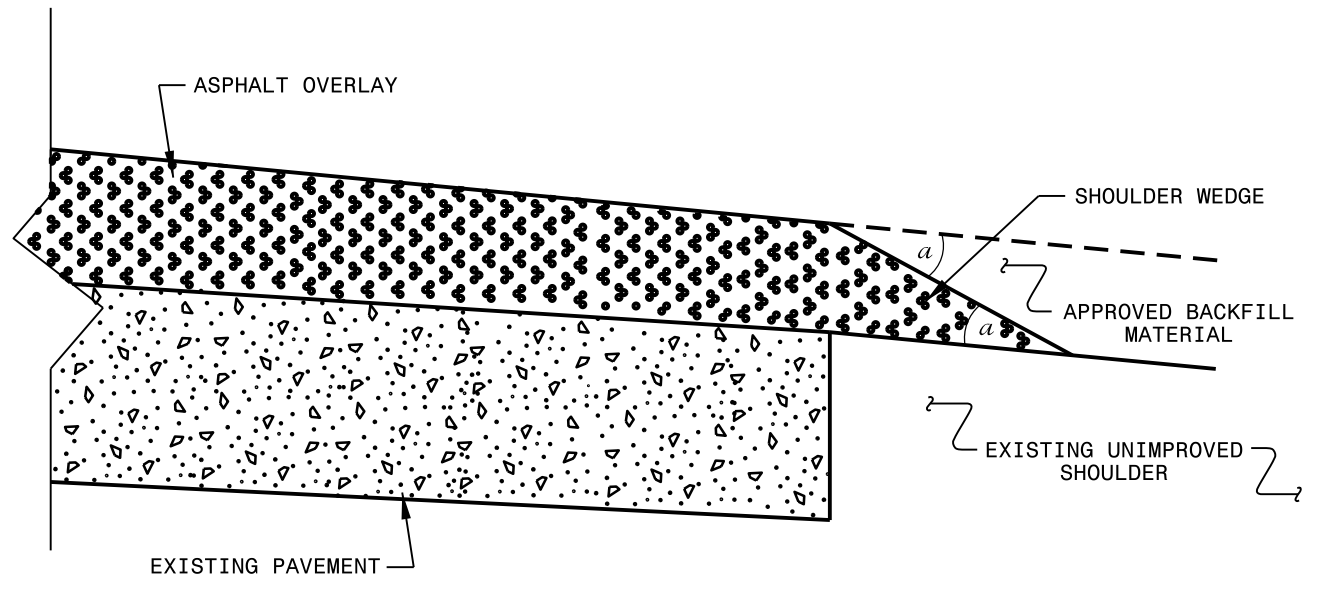
20-APP-2015 ILEF  
 C:\Users\jmkim\OneDrive\Desktop\DETAIL\_PSHS\Microsoft\Station Files\3CR\20711173\_Patch.dgn  
 \$\$\$SERNAME\$\$\$



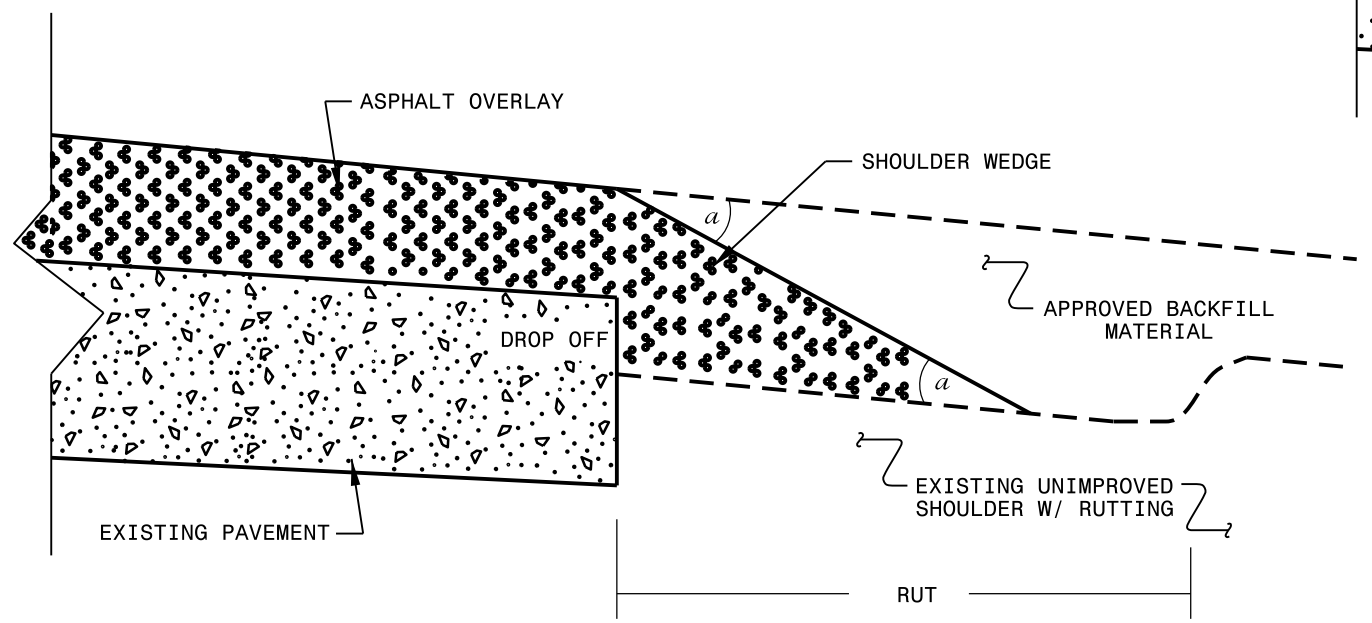
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFD AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**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)

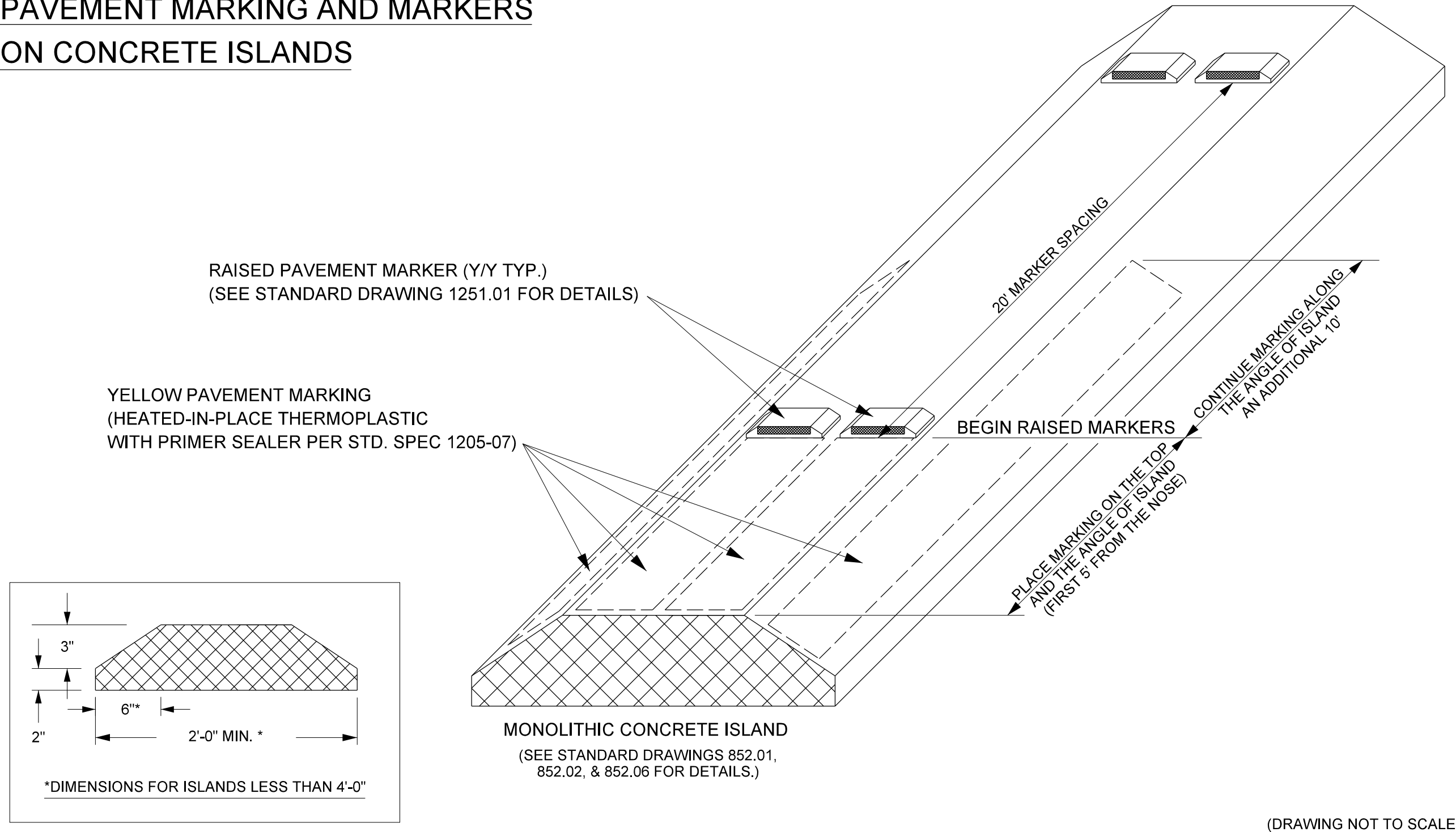
- SHOULDER WEDGE ANGLE = 30°

<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			

27 JUN 2018 13:22  
 C:\Users\jacob.a1\CSO\2018\20180627\Resurfacing Projects\Division 3\Sampson August 2018\Revised Shoulder Wedge Detail.dgn  
 P:\porter

# PAVEMENT MARKING DETAIL

## PAVEMENT MARKING AND MARKERS ON CONCRETE ISLANDS



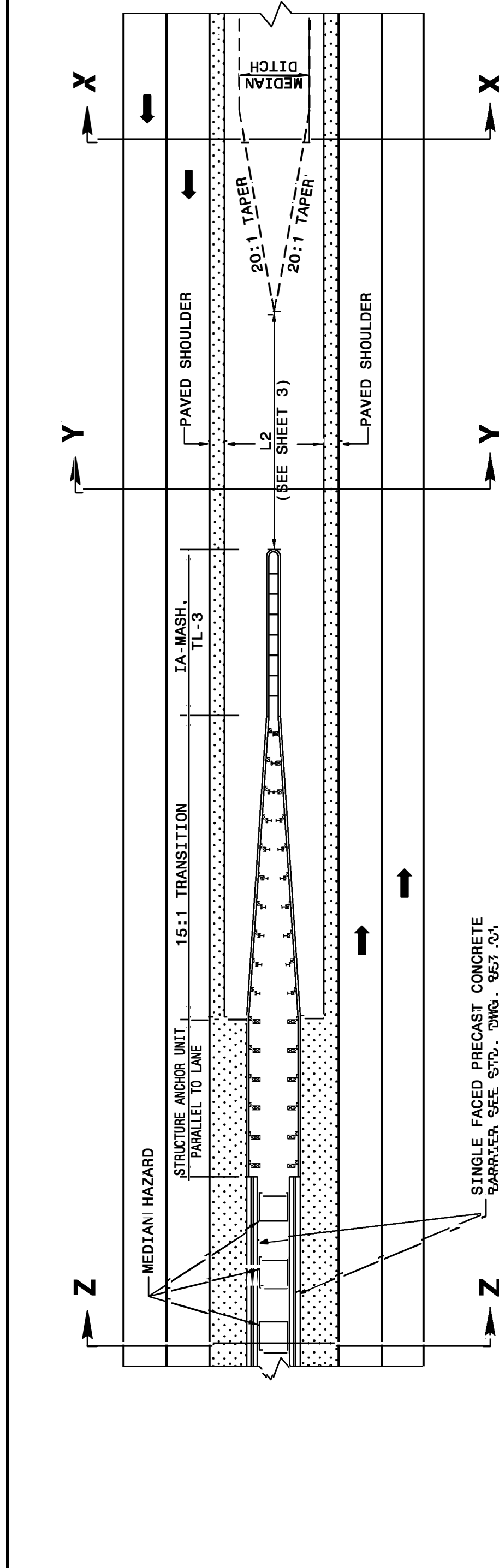
(DRAWING NOT TO SCALE)

04-SEP-2018 08:31 S:\Contracts\Special Details\Howerton\Standard Drawings\Division 8\862D01 Impact Attenuator Sheets 1 and 2.dgn  
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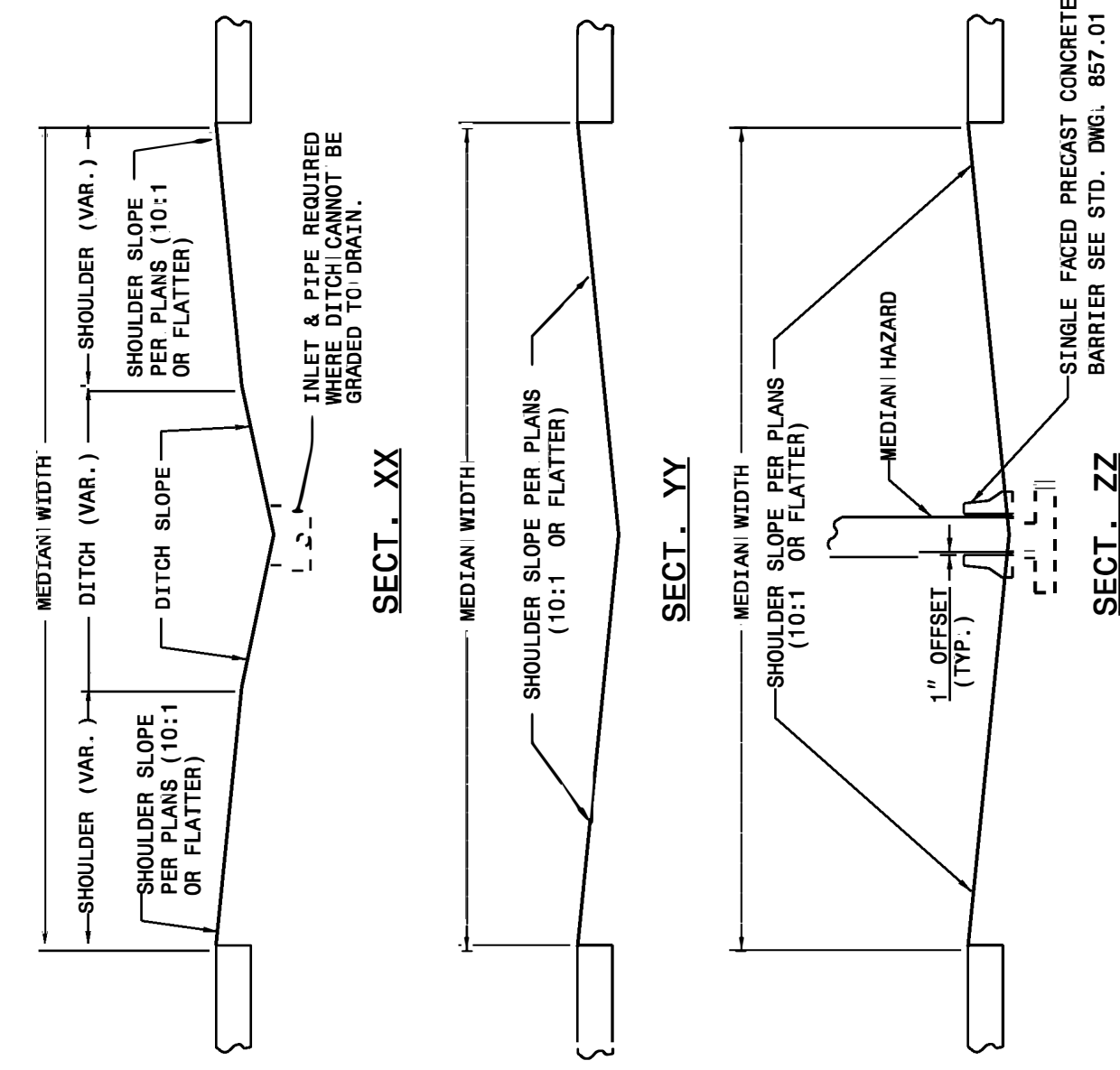
STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR  
**GUARDRAIL PLACEMENT**

SHEET 1 OF 11  
**862D01**



SINGLE FACED PRECAST CONCRETE BARRIER SEE STD. DWG. 857.01



ROADWAY DETAIL DRAWING FOR  
**GUARDRAIL PLACEMENT**

SHEET 1 OF 11  
**862D01**

STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

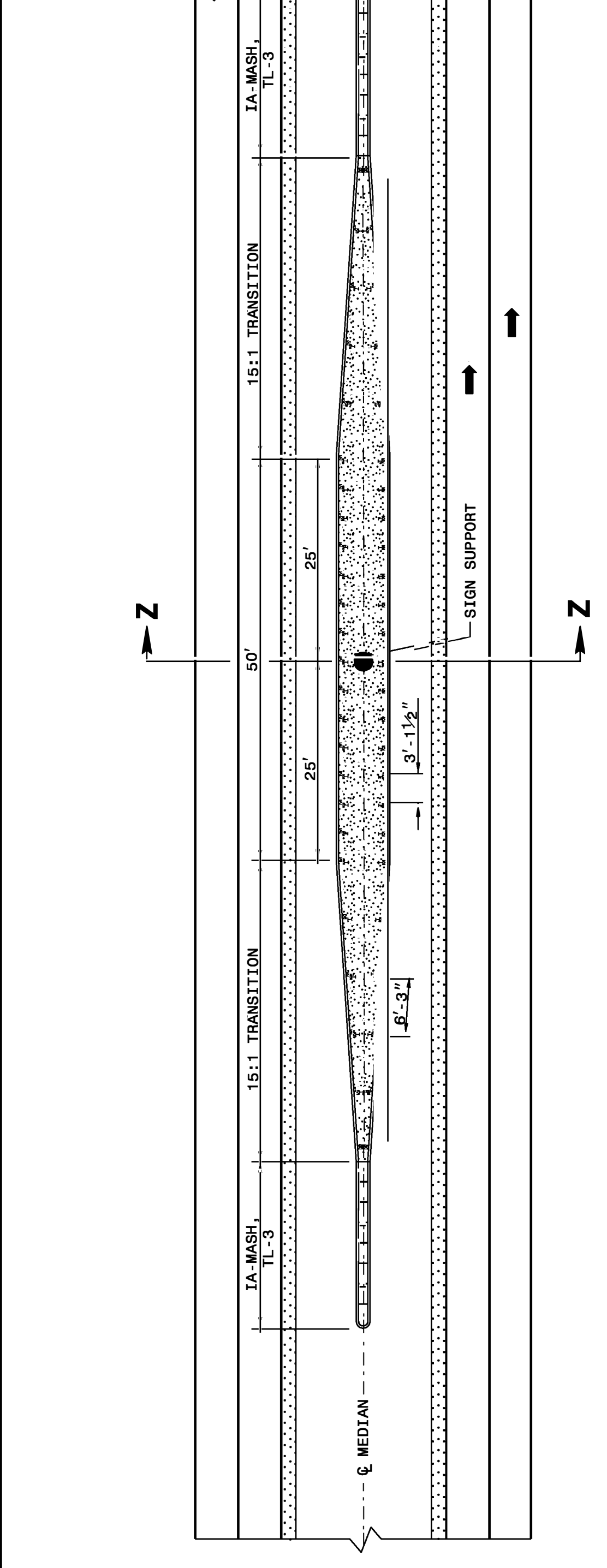
ROADWAY DETAIL DRAWING FOR  
**GUARDRAIL AT UNDERPASS**

SHEET 1 OF 11  
**862D01**

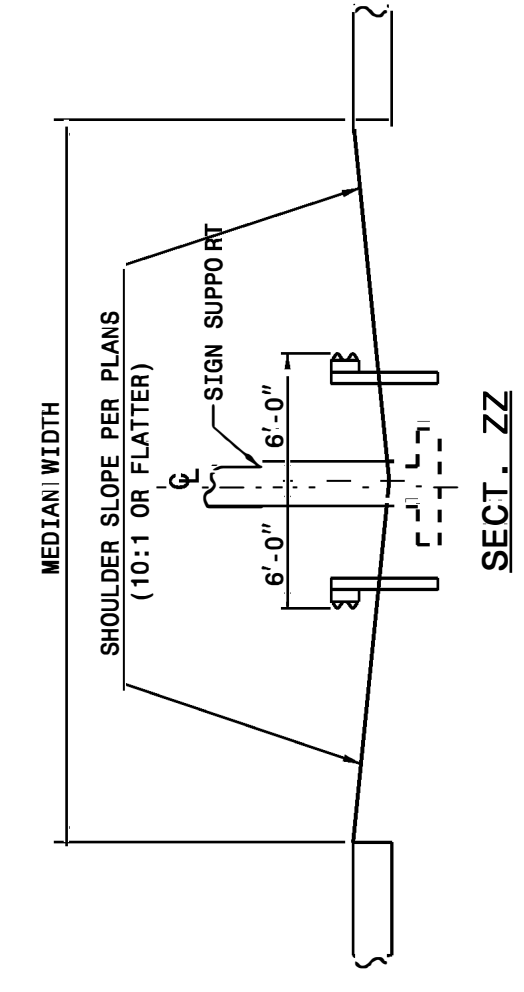
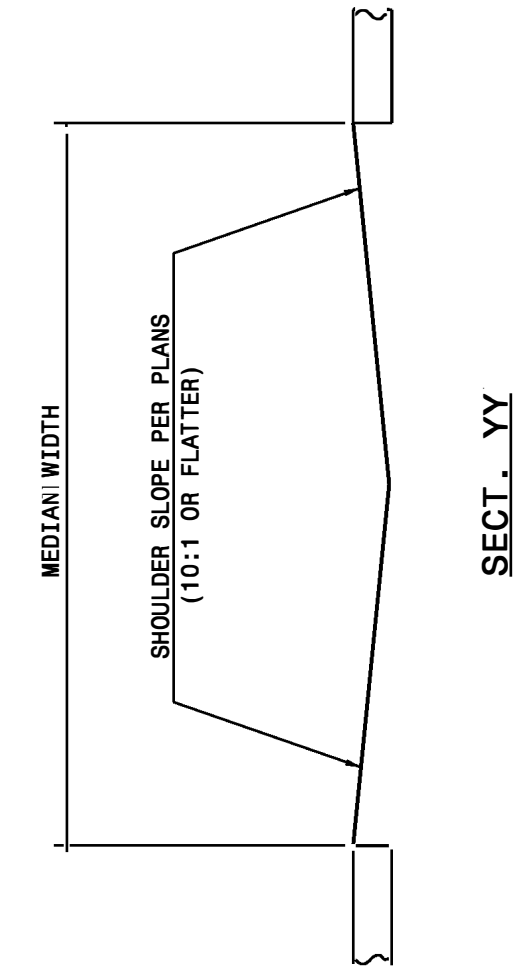
STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR  
**GUARDRAIL PLACEMENT**

SHEET 2 OF 11  
**862D01**



NOTE SPECIAL LAYER OF PAVEMENT .....  
 USE 3'-1 1/2" POST SPACING ON THE 50' OF GUARDRAIL PARALLEL TO LANES AND 6'-3" POST SPACING ON 15:1 TRANSITION SECTIONS.  
 GRADE MEDIAN IN THE VICINITY OF THE SIGN SUPPORT AS ILLUSTRATED IN THE ROADWAY STANDARD DRAWINGS (STANDARD 862.01 SHEET 1 OF 12).



ROADWAY DETAIL DRAWING FOR  
**GUARDRAIL AT MEDIAN SIGN SUPPORT**

SHEET 2 OF 11  
**862D01**

STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

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

**SEE TITLE BLOCK**

ORIGINAL BY: J HOWERTON DATE: 08-23-18  
 MODIFIED BY: DATE: \_\_\_\_\_  
 CHECKED BY: DATE: \_\_\_\_\_  
 FILE SPEC.: \_\_\_\_\_



DocuSigned by:  
 Nicole Hecker  
 588432303416405

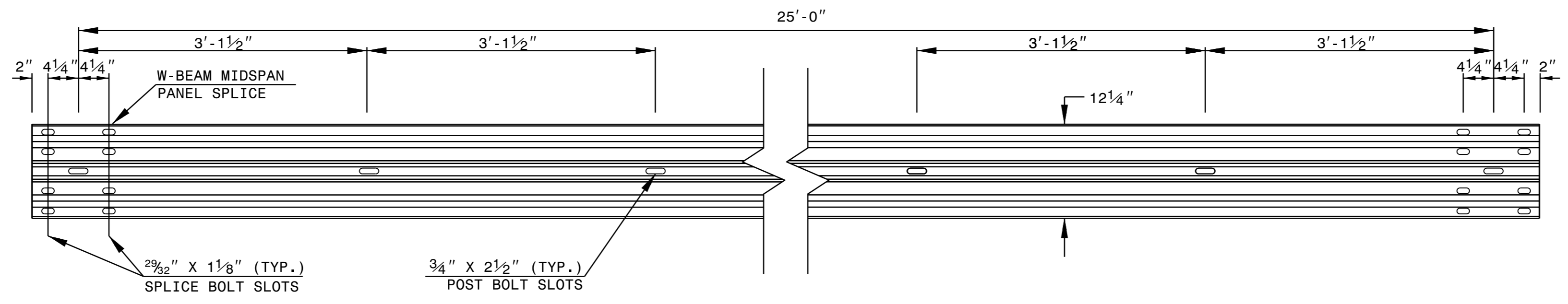
04/18/2023

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

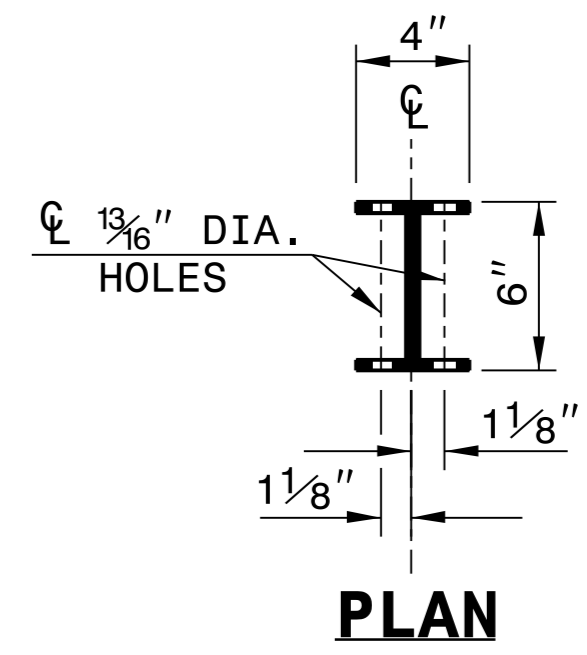
STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR  
**GUARDRAIL INSTALLATION**

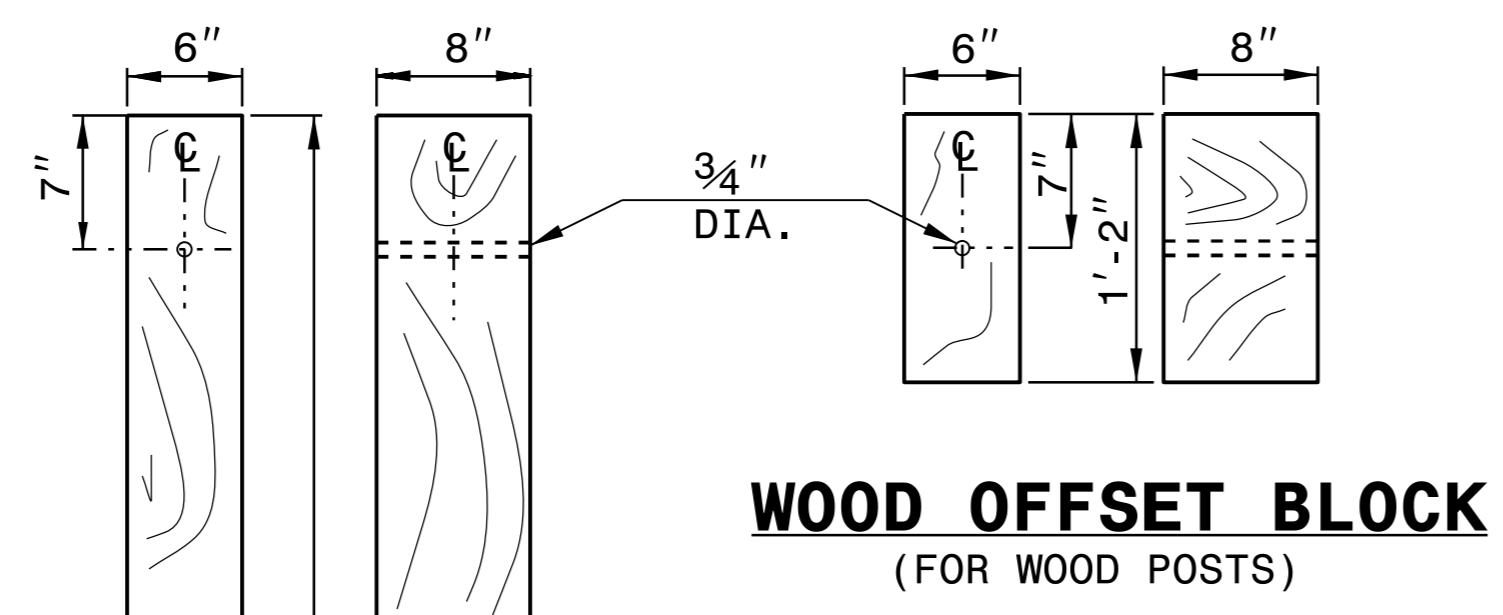
SHEET 6 OF 8  
**862D02**



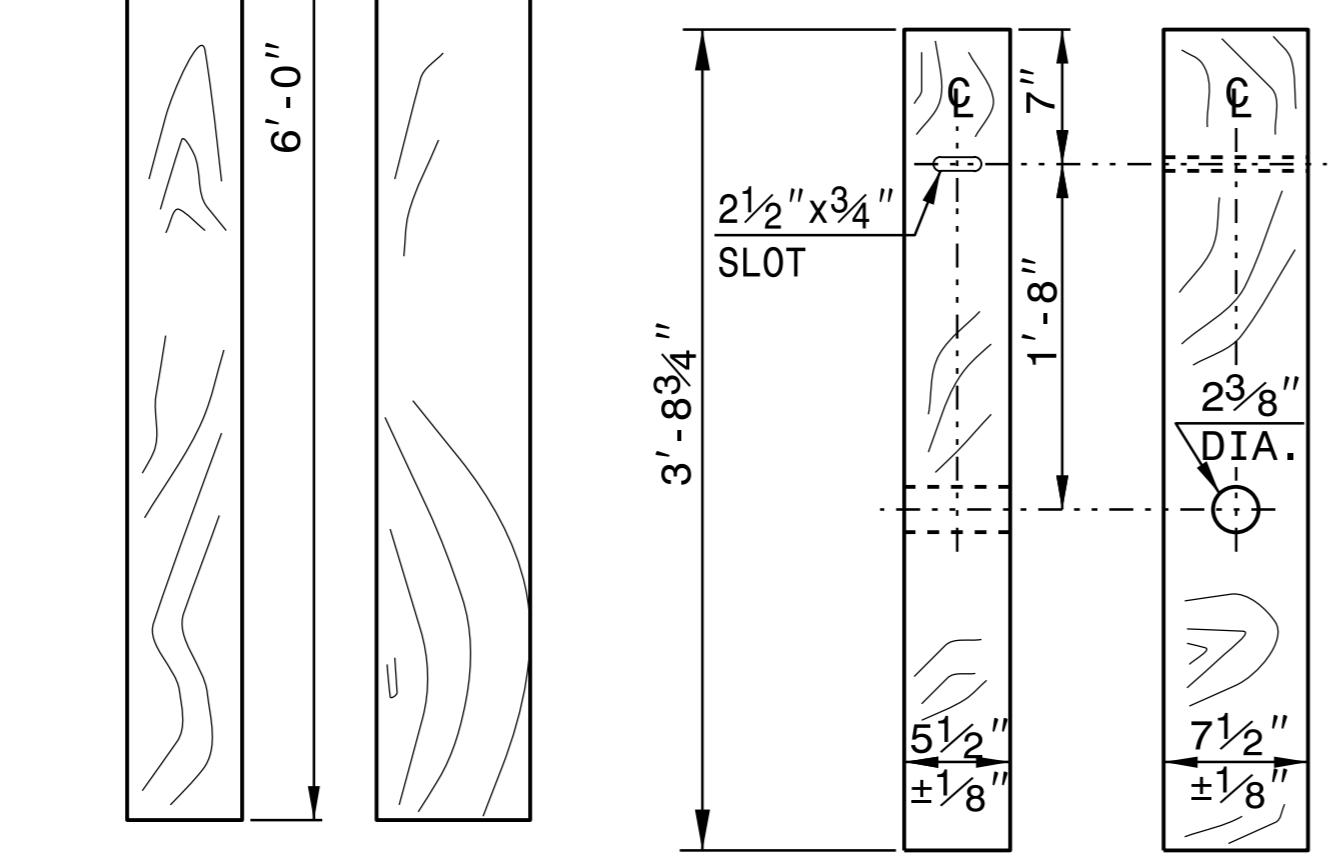
**STANDARD W-BEAM GUARDRAIL**



**PLAN**

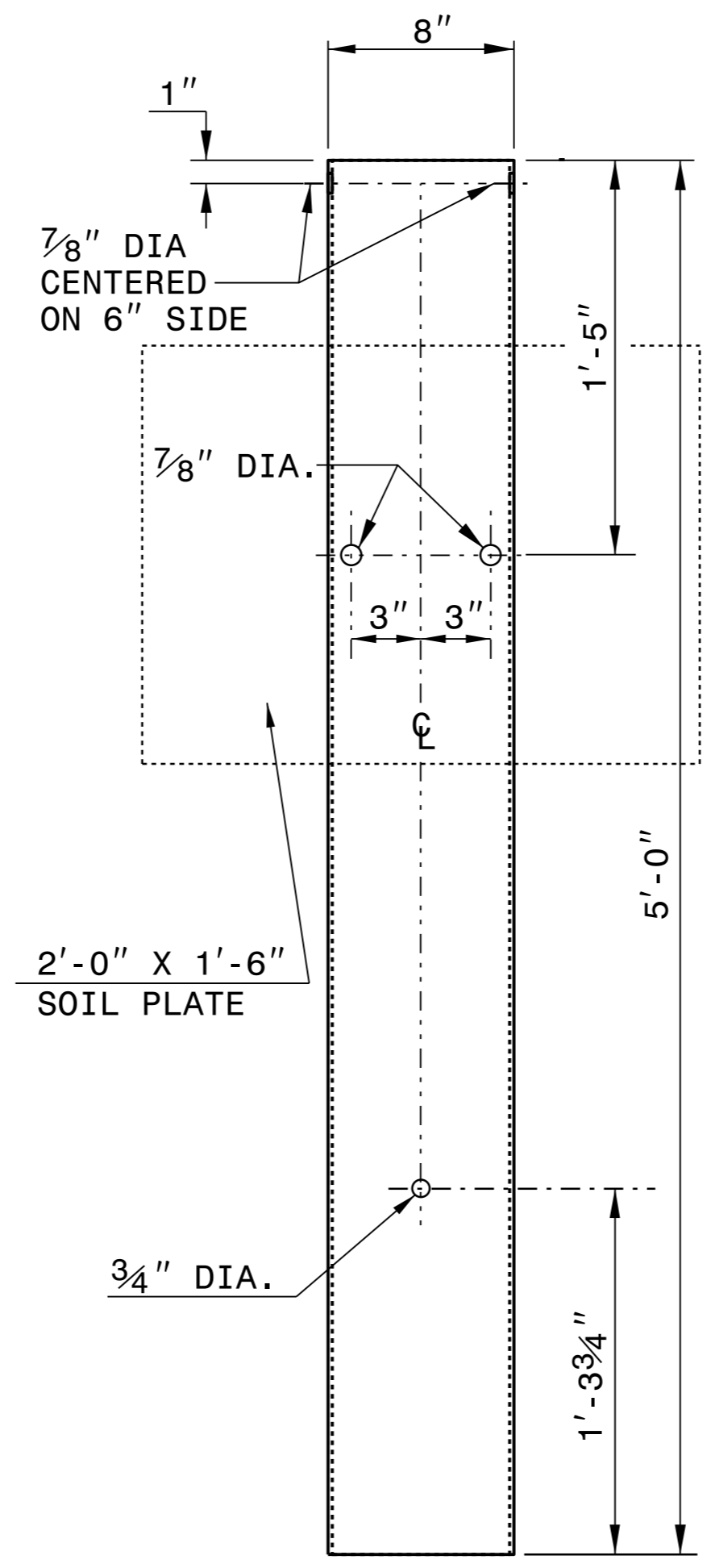


**WOOD OFFSET BLOCK  
(FOR WOOD POSTS)**

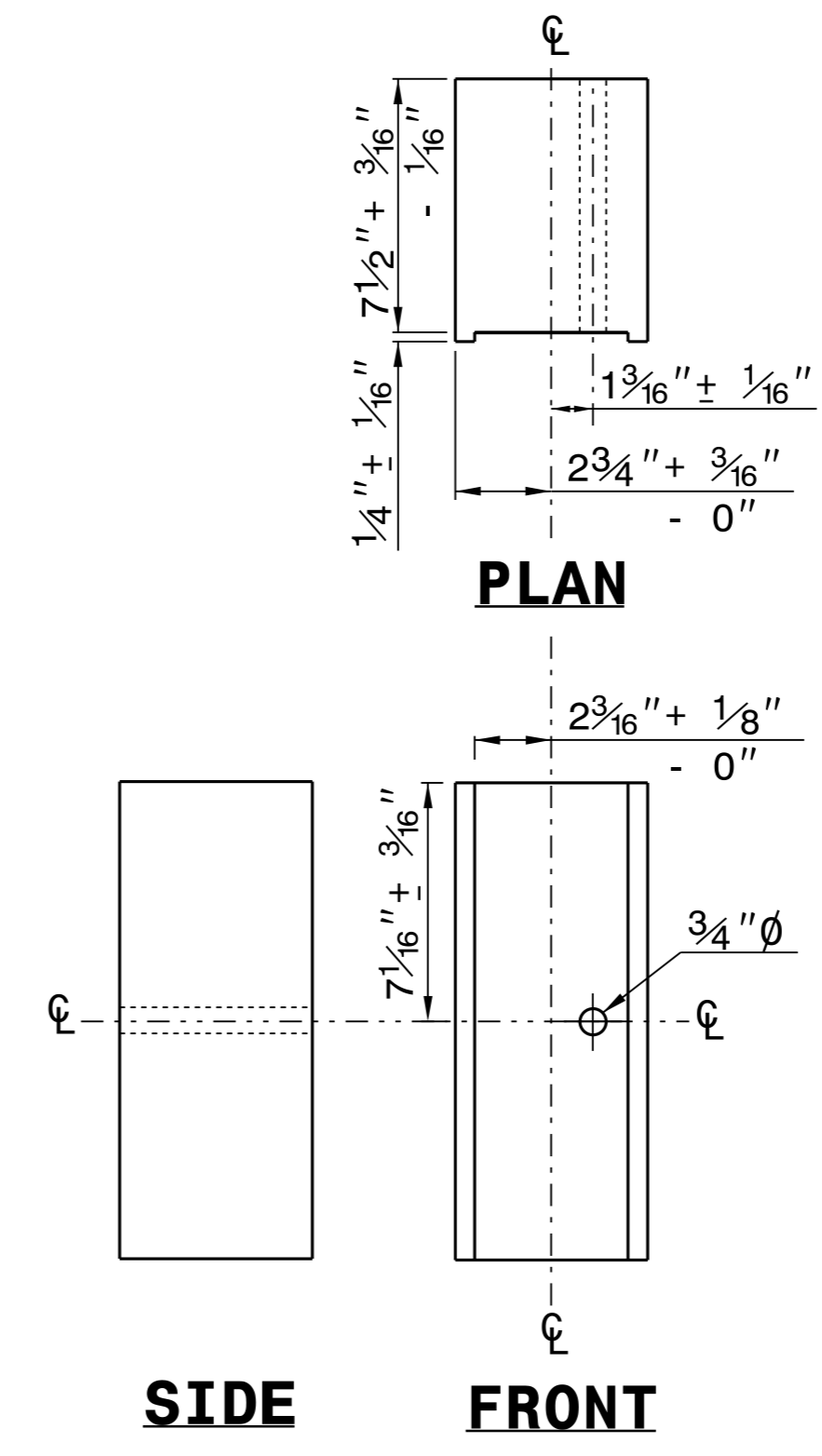


**STANDARD  
LINE POST**

**SHORT WOOD  
BREAKAWAY POST**



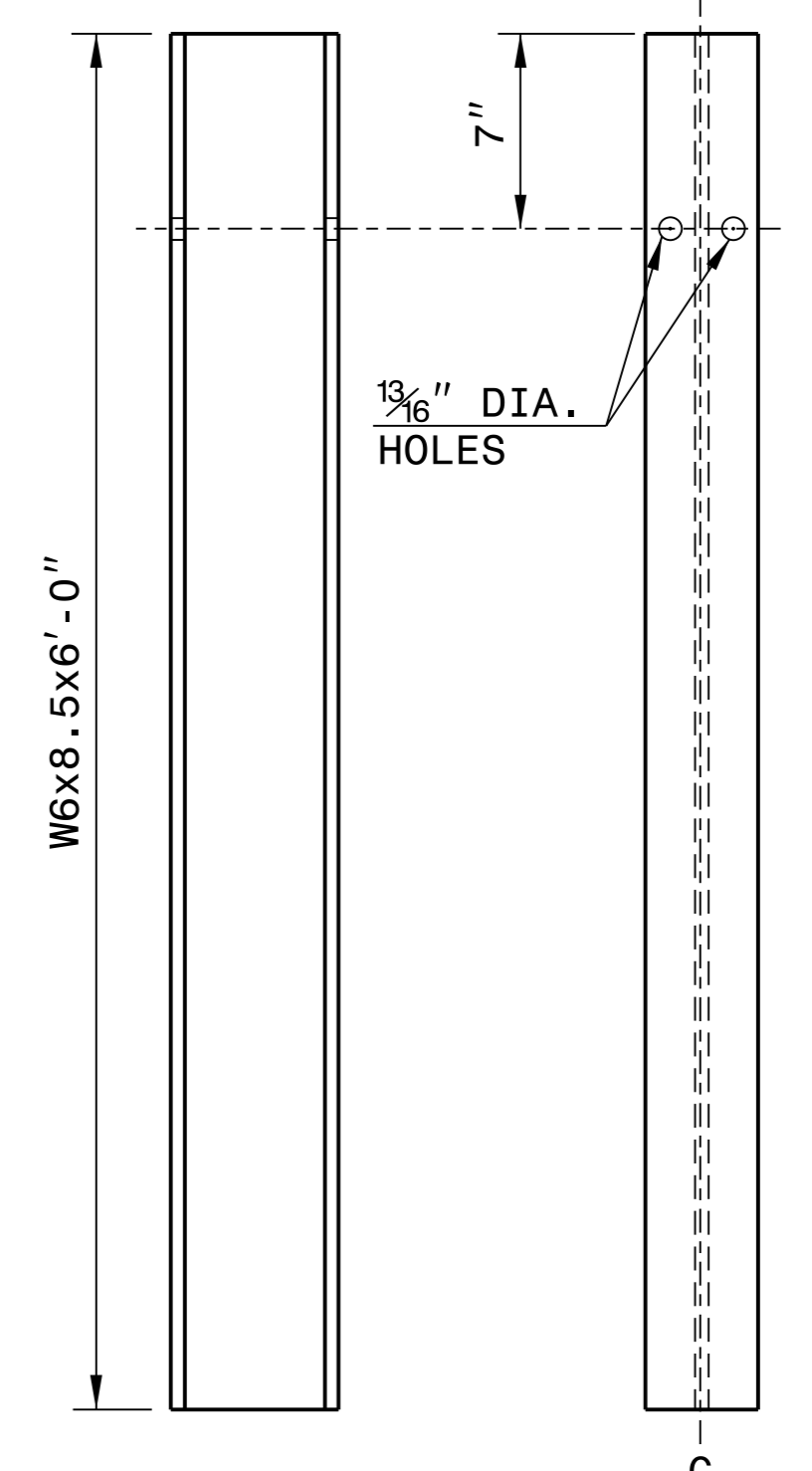
**STEEL TUBE  
TS 6"x8"x0.1875"**



**SIDE**

**FRONT**

**ROUTED  
OFFSET BLOCK**



**SIDE**

**FRONT**

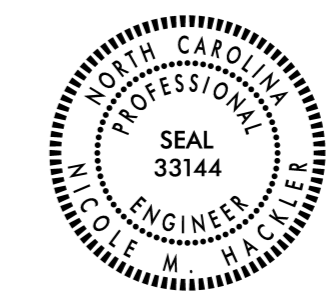
**"W6" STEEL POST**

**SYSTEM PARTS**

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR  
**GUARDRAIL INSTALLATION**

SHEET 6 OF 8  
**862D02**



DocuSigned by:  
Nicole Hacker  
588432303416405

04/18/2023

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

**SEE TITLE BLOCK**

ORIGINAL BY: J. HOWERTON DATE: 3-7-2018  
MODIFIED BY: DATE: \_\_\_\_\_  
CHECKED BY: DATE: \_\_\_\_\_  
FILE SPEC.: \_\_\_\_\_

PROJECT NO.	SHEET NO.
I-6039	11

# SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	124500000-E	126000000-E	129700000-E			130800000-E	152420000-E	157700000-E	166200000-E	184000000-E	247300000-N		275200000-E		
												SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	1.25" MILLING	1.5" MILLING	2.25" MILLING	1.25" - 2.25" MILLING	SURFACE COURSE, S9.5D	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	OG ASP FRICT FC-1 MODIFIED	MILLED RUMBLE STRIPS	REMOVE & REPLACE CONC. APRON FOR DROP INLET	DROP INLET REPAIR	REM & RPL SHOULDER BERM GUT		
												MI	FT	SMI	TON	SY	SY	SY	SY	TON	TON	TON	LF	EA	EA	LF
47988.3.1	Pender	1	I-40 E	FROM 0.50 MILES W. OF NC 210 INTERCHANGE TO 0.40 MILES E. OF SR 2048 (GORDON RD.) INTERCHANGE [MM 407.50 - MM 420.36]	1	2	MD	NO	NO	12.86	42	25.72	6,430	335,875		16,755	23,654	29,707	2,605	14,199	135,810	7	5			
<b>TOTAL FOR MAP NO. 1</b>												<b>12.86</b>		<b>25.72</b>	<b>6,430</b>	<b>335,875</b>		<b>16,755</b>	<b>23,654</b>	<b>29,707</b>	<b>2,605</b>	<b>14,199</b>	<b>135,810</b>	<b>7</b>	<b>5</b>	
47988.3.1	Pender	2	I-40 W	FROM 0.09 MILES E. OF SR 2048 (GORDON RD.) INTERCHANGE TO 0.50 MILES W. OF NC 210 HWY. INTERCHANGE [MM 420.36 - MM 407.50]	1	2	MD	NO	NO	12.86	42	36.00	6,430	408,931		18,973	23,654	28,031	2,307	11,974	135,810	6	4			
<b>TOTAL FOR MAP NO. 2</b>												<b>12.86</b>		<b>36.00</b>	<b>6,430</b>	<b>408,931</b>		<b>18,973</b>	<b>23,654</b>	<b>28,031</b>	<b>2,307</b>	<b>11,974</b>	<b>135,810</b>	<b>6</b>	<b>4</b>	
47988.3.1	Pender	3	EXIT 408 - I-40 EB EXIT RAMP AT NC 210 HWY.	EXIT RAMP FROM I-40 EB TO NC 210 HWY. [MP 0.09 - MP 0.27]	8	1		NO	NO	0.18	20	0.36	90		2,377			218	12		50			65		
<b>TOTAL FOR MAP NO. 3</b>												<b>0.18</b>		<b>0.36</b>	<b>90</b>		<b>2,377</b>			<b>218</b>	<b>12</b>		<b>50</b>			<b>65</b>
47988.3.1	Pender	4	EXIT 408 - I-40 EB ENTRANCE RAMP AT I-40 EB	ENTRANCE RAMP FROM NC 210 HWY. TO I-40 EB [MP 0.00 - MP 0.22]	7	1		NO	NO	0.22	18	0.44	110		2,508			238	14		50					
<b>TOTAL FOR MAP NO. 4</b>												<b>0.22</b>		<b>0.44</b>	<b>110</b>		<b>2,508</b>			<b>238</b>	<b>14</b>		<b>50</b>			
47988.3.1	Pender	5	EXIT 414 - I-40 EB EXIT RAMP AT SR 1002 (HOLLY SHELTER ROAD)	EXIT RAMP FROM I-40 EB TO SR 1002 (HOLLY SHELTER RD.) [MP 0.04 - MP 0.23]	9	1		NO	NO	0.19	18	0.19	96		2,125			198	11		50					
<b>TOTAL FOR MAP NO. 5</b>												<b>0.19</b>		<b>0.19</b>	<b>96</b>		<b>2,125</b>			<b>198</b>	<b>11</b>		<b>50</b>			
47988.3.1	Pender	6	EXIT 414 - I-40 EB EXIT RAMP AT SR 1002 (HOLLY SHELTER ROAD)	ENTRANCE RAMP FROM SR 1002 (HOLLY SHELTER RD.) TO I-40 EB [MP 0.00 - MP 0.36]	8	1		NO	NO	0.36	18	0.72	180		3,848			354	20							
<b>TOTAL FOR MAP NO. 6</b>												<b>0.36</b>		<b>0.72</b>	<b>180</b>		<b>3,848</b>			<b>354</b>	<b>20</b>					
47988.3.1	Pender	7	EXIT 416A - I-40 EB EXIT RAMP AT I-140 WB	EXIT RAMP FROM I-40 WB TO I-140 WEST [MP 0.27 - MP 0.66]	2	1		NO	NO	0.39	24	0.78	195	5,394				510	45	248	50					
<b>TOTAL FOR MAP NO. 7</b>												<b>0.39</b>		<b>0.78</b>	<b>195</b>	<b>5,394</b>				<b>510</b>	<b>45</b>	<b>248</b>	<b>50</b>			
47988.3.1	Pender	8	EXIT 416B - I-40 EB ENTRANCE RAMP AT I-140/US 17	ENTRANCE RAMP FROM I-40 TO I-40 EB [MP 0.10 - MP 1.11]	2	1		NO	NO	1.01	25	2.02	505	19,252			6,080	1,072	61		518					
<b>TOTAL FOR MAP NO. 8</b>												<b>1.01</b>		<b>2.02</b>	<b>505</b>	<b>19,252</b>			<b>6,080</b>	<b>1,072</b>	<b>61</b>		<b>518</b>			
47988.3.1	Pender	9	EXIT 416B - I-40 EB EXIT LOOP AT I-140 EB	EXIT RAMP FROM I-40 EB TO I-140 EB [MP 0.64 - MP 0.82]	6	1		NO	NO	0.18	22	0.18	50		2,383			206	25	140	50					
<b>TOTAL FOR MAP NO. 9</b>												<b>0.18</b>		<b>0.18</b>	<b>50</b>		<b>2,383</b>			<b>206</b>	<b>25</b>	<b>140</b>	<b>50</b>			
47988.3.1	Pender	10	EXIT 20A - I-140 WB EXIT LOOP AT I-40 EB	EXIT RAMP FROM I-140 WB TO I-40 EB [MP 0.69 - MP 0.87]	6	1		NO	NO	0.18	21	0.18	45		2,301			187	20	134						
<b>TOTAL FOR MAP NO. 10</b>												<b>0.18</b>		<b>0.18</b>	<b>45</b>		<b>2,301</b>			<b>187</b>	<b>20</b>	<b>134</b>				
47988.3.1	Pender	11	EXIT 20 - I-140 EB EXIT LOOP AT I-40 WB	EXIT RAMP FROM I-140 WB TO I-40 WEB [MP 0.10 - MP 0.83]	2	1		NO	NO	0.73	25	1.46	365	11,638				904	95	645						
<b>TOTAL FOR MAP NO. 11</b>												<b>0.73</b>		<b>1.46</b>	<b>365</b>	<b>11,638</b>				<b>904</b>	<b>95</b>	<b>645</b>				
47988.3.1	New Hanover	12	EXIT 20 - I-140 EB ENTRANCE RAMP AT I-40 EB	FROM I-140 EB TO I-40 EB [MP 0.34 - MP 0.56]	2	1		NO	NO	0.22	25	0.22	110	3,266				272	20	194						
<b>TOTAL FOR MAP NO. 12</b>												<b>0.22</b>		<b>0.22</b>	<b>110</b>	<b>3,266</b>				<b>272</b>	<b>20</b>	<b>194</b>				
47988.3.1	New Hanover	13	EXIT 420 - I-40 EB EXIT RAMP AT SR 2048 (GORDON ROAD)	FROM I-40 EB TO SR 2048 (GORDON RD.) [MP 0.04 - MP 0.19]	4	1		NO	NO	0.15	18		45	1,430				134	8							
<b>TOTAL FOR MAP NO. 13</b>												<b>0.15</b>			<b>45</b>	<b>1,430</b>				<b>134</b>	<b>8</b>					
47988.3.1	New Hanover	14	EXIT 420 - I-40 EB ENTRANCE RAMP AT I-40 EB	FROM SR 2048 (GORDON RD.) TO I-40 EB [MP 6.49 - MP 6.73]	3	1		NO	NO	0.24	25			3,871				325	19							
<b>TOTAL FOR MAP NO. 14</b>												<b>0.24</b>				<b>3,871</b>				<b>325</b>	<b>19</b>					
47988.3.1	New Hanover	15	EXIT 420A - I-40 WB EXIT RAMP AT SR 2048 (GORDON ROAD)	FROM I-40 WB TO SR 2048 (GORDON RD.) [MP 0.11 - MP 0.33]	8	1		NO	NO	0.22	24	0.44	110		3,486			292	17							
<b>TOTAL FOR MAP NO. 15</b>												<b>0.22</b>		<b>0.44</b>	<b>110</b>		<b>3,486</b>			<b>292</b>	<b>17</b>					
47988.3.1	New Hanover	16	EXIT 420A - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM SR 2048 (GORDON RD.) TO I-40 WB [MP 0.01 - MP 0.60]	5	1		NO	NO	0.59	18	1.18	295	6,230				527	30							
<b>TOTAL FOR MAP NO. 16</b>												<b>0.59</b>		<b>1.18</b>	<b>295</b>	<b>6,230</b>				<b>527</b>	<b>30</b>					
47988.3.1	New Hanover	17	EXIT 420B - I-40 WB EXIT RAMP AT I-40 WB	FROM I-40 WB TO NC 132 (N. COLLEGE RD.) [MP 9.19 - MP 9.67]	7	1		NO	NO	0.48	20	0.96	240		5,632			476	27							
<b>TOTAL FOR MAP NO. 17</b>												<b>0.48</b>		<b>0.96</b>	<b>240</b>		<b>5,632</b>			<b>476</b>	<b>27</b>					

PROJECT NO.	SHEET NO.
I-6039	12

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1245000000-E	1260000000-E	1297000000-E			1308000000-E	1524200000-E	1577000000-E	1662000000-E	1840000000-E	2473000000-N		2752000000-E	
												SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	1.25" MILLING	1.5" MILLING	2.25" MILLING	1.25" - 2.25" MILLING	SURFACE COURSE, S9.5D	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	OG ASP FRIC FC-1 MODIFIED	MILLED RUMBLE STRIPS	REMOVE & REPLACE CONC. APRON FOR DROP INLET	DROP INLET REPAIR	REM & RPL SHOULDER BERM GUT	
											MI	FT	SMI	TON	SY	SY	SY	SY	TON	TON	TON	LF	EA	EA	LF
47988.3.1	NewHanover	18	EXIT 416B - I-40 WB EXIT RAMP AT I-140	FROM I-40 WB TO I-140 EB [MP 0.14 - MP 0.60]	2	2		NO	NO	0.46	25	0.92	230	6,747					570	60	406				
<b>TOTAL FOR MAP NO. 18</b>											<b>0.46</b>		<b>0.92</b>	<b>230</b>	<b>6,747</b>				<b>570</b>	<b>60</b>	<b>406</b>				
47988.3.1	NewHanover	19	EXIT 416A - I-40 WB EXIT LOOP AT I-140	FROM I-40 TO I-140 WB [MP 0.04 - MP 0.22]	6	1		NO	NO	0.18	22	0.18	45			2,323		196	25	140					
<b>TOTAL FOR MAP NO. 19</b>											<b>0.18</b>		<b>0.18</b>	<b>45</b>			<b>2,323</b>		<b>196</b>	<b>25</b>	<b>140</b>				
47988.3.1	NewHanover	20	EXIT 20B - I-140 WB EXIT RAMP AT I-40 WB	FROM I-140 TO I-40 WB [MP 0.31 - MP 0.75]	2	1		NO	NO	0.44	24	0.46	115	6,195				523	55	373					
<b>TOTAL FOR MAP NO. 20</b>											<b>0.44</b>		<b>0.46</b>	<b>115</b>	<b>6,195</b>				<b>523</b>	<b>55</b>	<b>373</b>				
47988.3.1	NewHanover	21	EXIT 414 - I-40 WB EXIT RAMP AT SR 1002 (HOLLY SHELTER ROAD)	FROM I-40 WB TO SR 1002 (HOLLY SHELTER RD.) [MP 0.08 - MP 0.39]	8	1		NO	NO	0.31	18	0.62	155		3,624			277	16						
<b>TOTAL FOR MAP NO. 21</b>											<b>0.31</b>		<b>0.62</b>	<b>155</b>		<b>3,624</b>			<b>277</b>	<b>16</b>					
47988.3.1	NewHanover	22	EXIT 414 - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM SR 1002 (HOLLY SHELTER RD.) TO I-40 WB [MP 0.01 - MP 0.17]	9	1		NO	NO	0.16	18	0.16	40		1,913			143	8		50				
<b>TOTAL FOR MAP NO. 22</b>											<b>0.16</b>		<b>0.16</b>	<b>40</b>		<b>1,913</b>			<b>143</b>	<b>8</b>		<b>50</b>			
47988.3.1	Pender	23	EXIT 408 - I-40 WB EXIT RAMP AT NC 210 HWY.	FROM I-40 WB TO NC 210 HWY. [MP 0.03 - MP 0.24]	8	1		NO	NO	0.21	18				3,107			188	11		50				
<b>TOTAL FOR MAP NO. 23</b>											<b>0.21</b>					<b>3,107</b>			<b>188</b>	<b>11</b>		<b>50</b>			
47988.3.1	Pender	24	EXIT 408 - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM NC 210 HWY. TO I-40 WB [MP 0.01 - MP 0.22]	7	1		NO	NO	0.21	18	0.42	105		2,464			188	11		50			30	
<b>TOTAL FOR MAP NO. 24</b>											<b>0.21</b>		<b>0.42</b>	<b>105</b>		<b>2,464</b>			<b>188</b>	<b>11</b>		<b>50</b>		<b>30</b>	
<b>TOTAL FOR PROJ NO. 47988.3.1</b>											<b>33.03</b>		<b>73.61</b>	<b>15,986</b>	<b>797,298</b>	<b>42,615</b>	<b>42,735</b>	<b>53,388</b>	<b>65,736</b>	<b>5,532</b>	<b>28,453</b>	<b>272,020</b>	<b>13</b>	<b>9</b>	<b>95</b>
<b>GRAND TOTAL</b>											<b>33.03</b>		<b>73.61</b>	<b>15,986</b>	<b>797,298</b>	<b>42,615</b>	<b>42,735</b>	<b>53,388</b>	<b>65,736</b>	<b>5,532</b>	<b>28,453</b>	<b>272,020</b>	<b>13</b>	<b>9</b>	<b>95</b>



PROJECT NO.	SHEET NO.
I-6039	14

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	3030000000-E	3210000000-N	3287000000-N	3365000000-E	3389200000-E	3389600000-N	3420000000-E	3345000000-E	3435000000-N						
												STEEL BM GUARDRAIL	GUARDRAIL END UNITS, TYPE CAT-1	GUARDRAIL END UNITS, TYPE TL-3	REMOVE EXISTING GUIDERAIL	CABLE GUIDERAIL	CABLE GUIDERAIL ANCHOR UNITS	REMOVE & REPLACE EXISTING GUARDRAIL	REMOVE & RESET EXISTING GUARDRAIL	REMOVE & RESET GUARDRAIL END UNIT, TYPE CAT-1	REMOVE & REPLACE GUARDRAIL END UNIT, TYPE TL-3	GUARDRAIL PREFAB ANCHOR POST	REMOVE & RESET GUARDRAIL END UNIT, TYPE TL-3	REMOVE & REPLACE GUARDRAIL END UNIT, TYPE CAT-1		
											MI	FT	LF	EA	EA	LF	LF	EA	EA	EA	EA	EA				
47988.3.1	NewHanover	18	EXIT 416B - I-40 WB EXIT RAMP AT I-140	FROM I-40 WB TO I-140 EB [MP 0.14 - MP 0.60]	2	2		NO	NO	0.46	25								75.00					1.00		
<b>TOTAL FOR MAP NO. 18</b>											<b>0.46</b>									<b>75.00</b>						<b>1.00</b>
47988.3.1	NewHanover	19	EXIT 416A - I-40 WB EXIT LOOP AT I-140	FROM I-40 TO I-140 WB [MP 0.04 - MP 0.22]	6	1		NO	NO	0.18	22															
<b>TOTAL FOR MAP NO. 19</b>											<b>0.18</b>															
47988.3.1	NewHanover	20	EXIT 20B - I-140 WB EXIT RAMP AT I-40 WB	FROM I-140 TO I-40 WB [MP 0.31 - MP 0.75]	2	1		NO	NO	0.44	24									1,025.00				1.00		
<b>TOTAL FOR MAP NO. 20</b>											<b>0.44</b>										<b>1,025.00</b>				<b>1.00</b>	
47988.3.1	NewHanover	21	EXIT 414 - I-40 WB EXIT RAMP AT SR 1002 (HOLLY SHELTER ROAD)	FROM I-40 WB TO SR 1002 (HOLLY SHELTER RD.) [MP 0.08 - MP 0.39]	8	1		NO	NO	0.31	18															
<b>TOTAL FOR MAP NO. 21</b>											<b>0.31</b>															
47988.3.1	NewHanover	22	EXIT 414 - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM SR 1002 (HOLLY SHELTER RD.) TO I-40 WB [MP 0.01 - MP 0.17]	9	1		NO	NO	0.16	18															
<b>TOTAL FOR MAP NO. 22</b>											<b>0.16</b>															
47988.3.1	Pender	23	EXIT 408 - I-40 WB EXIT RAMP AT NC 210 HWY.	FROM I-40 WB TO NC 210 HWY. [MP 0.03 - MP 0.24]	8	1		NO	NO	0.21	18									575.00				1.00		
<b>TOTAL FOR MAP NO. 23</b>											<b>0.21</b>										<b>575.00</b>				<b>1.00</b>	
47988.3.1	Pender	24	EXIT 408 - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM NC 210 HWY. TO I-40 WB [MP 0.01 - MP 0.22]	7	1		NO	NO	0.21	18									570.00				1.00		
<b>TOTAL FOR MAP NO. 24</b>											<b>0.21</b>										<b>570.00</b>				<b>1.00</b>	
<b>TOTAL FOR PROJ NO. 47988.3.1</b>											<b>33.03</b>		<b>1,560.00</b>		<b>5.00</b>	<b>512.00</b>	<b>195.00</b>	<b>2.00</b>	<b>3,250.00</b>	<b>11,990.00</b>	<b>5.00</b>	<b>26.00</b>		<b>11.00</b>	<b>18.00</b>	
<b>GRAND TOTAL</b>											<b>33.03</b>		<b>1,560.00</b>		<b>5.00</b>	<b>512.00</b>	<b>195.00</b>	<b>2.00</b>	<b>3,250.00</b>	<b>11,990.00</b>	<b>5.00</b>	<b>26.00</b>		<b>11.00</b>	<b>18.00</b>	



# SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	4048000000-E	4054000000-E	4060000000-E	4066000000-E	4109000000-N	4110000000-N	4152000000-N	4234000000-N	4600000000-N	2275000000-N				
												REINFORCED CONCRETE SIGN FOUNDATIONS	PLAIN CONCRETE SIGN FOUNDATIONS	SUPPORTS, BREAKAWAY STEEL BEAM	SUPPORTS, SIMPLE STEEL BEAM	SIGN ERECTION, TYPE A (OVERHEAD)	SIGN ERECTION, TYPE A (GROUND MOUNTED)	SIGN ERECTION, TYPE B (GROUND MOUNTED)	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	DISPOSAL OF SIGN, A OR B (OVERHEAD)	SINGLE LANE CLOSURE	RAMP/LOOP CLOSURE	FLOWABLE FILL		
												MI	FT	CY	CY	LB	LB	EA	EA	EA	EA	EA	EA	CY	
47988.3.1	Pender	1	I-40 E	FROM 0.50 MILES W. OF NC 210 INTERCHANGE TO 0.40 MILES E. OF SR 2048 (GORDON RD.) INTERCHANGE [MM 407.50 - MM 420.36]	1	2	MD	NO	NO	12.86	42	7	2	6,831	1,263	17	14	2	14	17	400	9			
<b>TOTAL FOR MAP NO. 1</b>												<b>12.86</b>		<b>7</b>	<b>2</b>	<b>6,831</b>	<b>1,263</b>	<b>17</b>	<b>14</b>	<b>2</b>	<b>14</b>	<b>17</b>	<b>400</b>	<b>9</b>	
47988.3.1	Pender	2	I-40 W	FROM 0.09 MILES E. OF SR 2048 (GORDON RD.) INTERCHANGE TO 0.50 MILES W. OF NC 210 HWY. INTERCHANGE [MM 420.36 - MM 407.50]	1	2	MD	NO	NO	12.86	42										400	9			
<b>TOTAL FOR MAP NO. 2</b>												<b>12.86</b>											<b>400</b>	<b>9</b>	
47988.3.1	Pender	3		EXIT RAMP FROM I-40 EB TO NC 210 HWY. [MP 0.09 - MP 0.27]	8	1		NO	NO	0.18	20											4			
<b>TOTAL FOR MAP NO. 3</b>												<b>0.18</b>												<b>4</b>	
47988.3.1	Pender	4		ENTRANCE RAMP FROM NC 210 HWY. TO I-40 EB [MP 0.00 - MP 0.22]	7	1		NO	NO	0.22	18											4			
<b>TOTAL FOR MAP NO. 4</b>												<b>0.22</b>												<b>4</b>	
47988.3.1	Pender	5		EXIT RAMP FROM I-40 EB TO SR 1002 (HOLLY SHELTER ROAD) [MP 0.04 - MP 0.23]	9	1		NO	NO	0.19	18											3			
<b>TOTAL FOR MAP NO. 5</b>												<b>0.19</b>												<b>3</b>	
47988.3.1	Pender	6		ENTRANCE RAMP FROM SR 1002 (HOLLY SHELTER RD.) TO I-40 EB [MP 0.00 - MP 0.36]	8	1		NO	NO	0.36	18											3			
<b>TOTAL FOR MAP NO. 6</b>												<b>0.36</b>												<b>3</b>	
47988.3.1	Pender	7		EXIT RAMP FROM I-40 WB TO I-140 WEST [MP 0.27 - MP 0.66]	2	1		NO	NO	0.39	24											4			
<b>TOTAL FOR MAP NO. 7</b>												<b>0.39</b>												<b>4</b>	
47988.3.1	Pender	8		ENTRANCE RAMP FROM I-40 TO I-40 EB [MP 0.10 - MP 1.11]	2	1		NO	NO	1.01	25											4			
<b>TOTAL FOR MAP NO. 8</b>												<b>1.01</b>												<b>4</b>	
47988.3.1	Pender	9		EXIT RAMP FROM I-40 EB TO I-140 EB [MP 0.64 - MP 0.82]	6	1		NO	NO	0.18	22											2			
<b>TOTAL FOR MAP NO. 9</b>												<b>0.18</b>												<b>2</b>	
47988.3.1	Pender	10		EXIT RAMP FROM I-140 WB TO I-40 EB [MP 0.69 - MP 0.87]	6	1		NO	NO	0.18	21											2			
<b>TOTAL FOR MAP NO. 10</b>												<b>0.18</b>												<b>2</b>	
47988.3.1	Pender	11		EXIT RAMP FROM I-140 WB TO I-40 WEB [MP 0.10 - MP 0.83]	2	1		NO	NO	0.73	25											1			
<b>TOTAL FOR MAP NO. 11</b>												<b>0.73</b>												<b>1</b>	
47988.3.1	New Hanover	12		FROM I-140 EB TO I-40 EB [MP 0.34 - MP 0.56]	2	1		NO	NO	0.22	25											2			
<b>TOTAL FOR MAP NO. 12</b>												<b>0.22</b>												<b>2</b>	
47988.3.1	NewHanover	13		FROM I-40 EB TO SR 2048 (GORDON RD.) [MP 0.04 - MP 0.19]	4	1		NO	NO	0.15	18											3			
<b>TOTAL FOR MAP NO. 13</b>												<b>0.15</b>												<b>3</b>	
47988.3.1	New Hanover	14		FROM SR 2048 (GORDON RD.) TO I-40 EB [MP 6.49 - MP 6.73]	3	1		NO	NO	0.24	25											5			
<b>TOTAL FOR MAP NO. 14</b>												<b>0.24</b>												<b>5</b>	
47988.3.1	NewHanover	15		FROM I-40 WB TO SR 2048 (GORDON RD.) [MP 0.11 - MP 0.33]	8	1		NO	NO	0.22	24											4			
<b>TOTAL FOR MAP NO. 15</b>												<b>0.22</b>												<b>4</b>	
47988.3.1	NewHanover	16		FROM SR 2048 (GORDON RD.) TO I-40 WB [MP0.01 - MP 0.60]	5	1		NO	NO	0.59	18											4			
<b>TOTAL FOR MAP NO. 16</b>												<b>0.59</b>												<b>4</b>	
47988.3.1	NewHanover	17		FROM I-40 WB TO NC 132 (N. COLLEGE RD.) [MP 9.19 - MP 9.67]	7	1		NO	NO	0.48	20											4			
<b>TOTAL FOR MAP NO. 17</b>												<b>0.48</b>												<b>4</b>	









PROJECT NO.	SHEET NO.
I-6039	20

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	7990000000-E		7992000000-E	6000000000-E	6029000000-E	6030000000-E	6036000000-E	6071010000-E	6084000000-E	
												4-WIRE COPPER GROUNDING CONDUCTORS	#4 SOLID BARE COPPER GROUNDING CONDUCTOR	OVERHEAD FOOTING	TEMPORARY SILT FENCE	SAFETY FENCE	SILT EXCAVATION	MATTING FOR EROSION CONTROL	WATTLE	SEEDING & MULCHING	
												LF	LF	CY	LF	LF	CY	SY	LF	ACR	
47988.3.1	NewHanover	18	EXIT 416B - I-40 WB EXIT RAMP AT I-140	FROM I-40 WB TO I-140 EB [MP 0.14 - MP 0.60]	2	2		NO	NO	0.46	25										
<b>TOTAL FOR MAP NO. 18</b>												<b>0.46</b>									
47988.3.1	NewHanover	19	EXIT 416A - I-40 WB EXIT LOOP AT I-140	FROM I-40 TO I-140 WB [MP 0.04 - MP 0.22]	6	1		NO	NO	0.18	22										
<b>TOTAL FOR MAP NO. 19</b>												<b>0.18</b>									
47988.3.1	NewHanover	20	EXIT 20B - I-140 WB EXIT RAMP AT I-40 WB	FROM I-140 TO I-40 WB [MP 0.31 - MP 0.75]	2	1		NO	NO	0.44	24										
<b>TOTAL FOR MAP NO. 20</b>												<b>0.44</b>									
47988.3.1	NewHanover	21	EXIT 414 - I-40 WB EXIT RAMP AT SR 1002 (HOLLY SHELTER ROAD)	FROM I-40 WB TO SR 1002 (HOLLY SHELTER RD.) [MP 0.08 - MP 0.39]	8	1		NO	NO	0.31	18										
<b>TOTAL FOR MAP NO. 21</b>												<b>0.31</b>									
47988.3.1	NewHanover	22	EXIT 414 - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM SR 1002 (HOLLY SHELTER RD.) TO I-40 WB [MP 0.01 - MP 0.17]	9	1		NO	NO	0.16	18										
<b>TOTAL FOR MAP NO. 22</b>												<b>0.16</b>									
47988.3.1	Pender	23	EXIT 408 - I-40 WB EXIT RAMP AT NC 210 HWY.	FROM I-40 WB TO NC 210 HWY. [MP 0.03 - MP 0.24]	8	1		NO	NO	0.21	18										
<b>TOTAL FOR MAP NO. 23</b>												<b>0.21</b>									
47988.3.1	Pender	24	EXIT 408 - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM NC 210 HWY. TO I-40 WB [MP 0.01 - MP 0.22]	7	1		NO	NO	0.21	18										
<b>TOTAL FOR MAP NO. 24</b>												<b>0.21</b>									
<b>TOTAL FOR PROJ NO. 47988.3.1</b>												<b>33.03</b>	<b>80</b>	<b>90</b>	<b>12</b>	<b>1,000</b>	<b>360</b>	<b>10</b>	<b>500</b>	<b>500</b>	<b>1.0</b>
<b>GRAND TOTAL</b>												<b>33.03</b>	<b>80</b>	<b>90</b>	<b>12</b>	<b>1,000</b>	<b>360</b>	<b>10</b>	<b>500</b>	<b>500</b>	<b>1.0</b>

# THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4400000000-E	4415000000-N	4420000000-N	4423000000-N	4424000000-N	4434000000-N	4480000000-N	4510000000-N	4685000000-E		4688000000-E		4695000000-E	
										WORK ZONE SIGNS (STATIONARY)	FLASHING ARROW BOARD	PORT CHANG MSG SIGN	DIGITAL SPEED LIMIT SIGNS	WORK ZONE PRESENCE LIGHTING	SEQUENTIAL FLASHING WARNING LIGHTS	TMA	LAW ENFORCEMENT	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	
									MI	FT	SF	EA	EA	EA	EA	EA	HR	LF	LF	LF	LF	LF	
47988.3.1	Pender	1	I-40 E	FROM 0.50 MILES W. OF NC 210 INTERCHANGE TO 0.40 MILES E. OF SR 2048 (GORDON RD.) INTERCHANGE [MM 407.50 - MM 420.36]	1	2	MD	12.86	42	72	2	4	2	8	17	1	500			118,800	67,901		
<b>TOTAL FOR MAP NO. 1</b>									<b>12.86</b>		<b>72</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>8</b>	<b>17</b>	<b>1</b>	<b>500</b>			<b>118,800</b>	<b>67,901</b>	
47988.3.1	Pender	2	I-40 W	FROM 0.09 MILES E. OF SR 2048 (GORDON RD.) INTERCHANGE TO 0.50 MILES W. OF NC 210 HWY. INTERCHANGE [MM 420.36 - MM 407.50]	1	2	MD	12.86	42	72	2	4	2	8	17	1	500			118,800	95,040		
<b>TOTAL FOR MAP NO. 2</b>									<b>12.86</b>		<b>72</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>8</b>	<b>17</b>	<b>1</b>	<b>500</b>			<b>118,800</b>	<b>95,040</b>	
47988.3.1	Pender	3	EXIT 408 - I-40 EB EXIT RAMP AT NC 210 HWY.	EXIT RAMP FROM I-40 EB TO NC 210 HWY. [MP 0.09 - MP 0.27]	8	1		0.18	20	8								20	1,010	1,095		260	
<b>TOTAL FOR MAP NO. 3</b>									<b>0.18</b>		<b>8</b>							<b>20</b>	<b>1,010</b>	<b>1,095</b>		<b>260</b>	
47988.3.1	Pender	4	EXIT 408 - I-40 EB ENTRANCE RAMP AT I-40 EB	ENTRANCE RAMP FROM NC 210 HWY. TO I-40 EB [MP 0.00 - MP 0.22]	7	1		0.22	18	38								20	1,496	1,150		360	
<b>TOTAL FOR MAP NO. 4</b>									<b>0.22</b>		<b>38</b>						<b>20</b>	<b>1,496</b>	<b>1,150</b>		<b>360</b>		
47988.3.1	Pender	5	EXIT 414 - I-40 EB EXIT RAMP AT SR 1002 (HOLLY SHELTER ROAD)	EXIT RAMP FROM I-40 EB TO SR 1002 (HOLLY SHELTER RD.) [MP 0.04 - MP 0.23]	9	1		0.19	18	8								20		1,032		60	
<b>TOTAL FOR MAP NO. 5</b>									<b>0.19</b>		<b>8</b>						<b>20</b>		<b>1,032</b>		<b>60</b>		
47988.3.1	Pender	6	EXIT 414 - I-40 EB EXIT RAMP AT SR 1002 (HOLLY SHELTER ROAD)	ENTRANCE RAMP FROM SR 1002 (HOLLY SHELTER RD.) TO I-40 EB [MP 0.00 - MP 0.36]	8	1		0.36	18	38								20	1,950	2,050		65	
<b>TOTAL FOR MAP NO. 6</b>									<b>0.36</b>		<b>38</b>						<b>20</b>	<b>1,950</b>	<b>2,050</b>		<b>65</b>		
47988.3.1	Pender	7	EXIT 416A - I-40 EB EXIT RAMP AT I-140 WB	EXIT RAMP FROM I-40 WB TO I-140 WEST [MP 0.27 - MP 0.66]	2	1		0.39	24	8								20	2,050	2,050			
<b>TOTAL FOR MAP NO. 7</b>									<b>0.39</b>		<b>8</b>						<b>20</b>	<b>2,050</b>	<b>2,050</b>				
47988.3.1	Pender	8	EXIT 416B - I-40 EB ENTRANCE RAMP AT I-140/US 17	ENTRANCE RAMP FROM I-40 TO I-40 EB [MP 0.10 - MP 1.11]	2	1		1.01	25	38								20			4,401	6,428	
<b>TOTAL FOR MAP NO. 8</b>									<b>1.01</b>		<b>38</b>						<b>20</b>			<b>4,401</b>	<b>6,428</b>		
47988.3.1	Pender	9	EXIT 416B - I-40 EB EXIT LOOP AT I-140 EB	EXIT RAMP FROM I-40 EB TO I-140 EB [MP 0.64 - MP 0.82]	6	1		0.18	22	8								20		1,020			
<b>TOTAL FOR MAP NO. 9</b>									<b>0.18</b>		<b>8</b>						<b>20</b>		<b>1,020</b>				
47988.3.1	Pender	10	EXIT 20A - I-140 WB EXIT LOOP AT I-40 EB	EXIT RAMP FROM I-140 WB TO I-40 EB [MP 0.69 - MP 0.87]	6	1		0.18	21	8								20				1,000	
<b>TOTAL FOR MAP NO. 10</b>									<b>0.18</b>		<b>8</b>						<b>20</b>				<b>1,000</b>		
47988.3.1	Pender	11	EXIT 20 - I-140 EB EXIT LOOP AT I-40 WB	EXIT RAMP FROM I-140 WB TO I-40 WEB [MP 0.10 - MP 0.83]	2	1		0.73	25	16								20			3,578	3,578	
<b>TOTAL FOR MAP NO. 11</b>									<b>0.73</b>		<b>16</b>						<b>20</b>			<b>3,578</b>	<b>3,578</b>		
47988.3.1	New Hanover	12	EXIT 20 - I-140 EB ENTRANCE RAMP AT I-40 EB	FROM I-140 EB TO I-40 EB [MP 0.34 - MP 0.56]	2	1		0.22	25	38								20			1,178	1,178	
<b>TOTAL FOR MAP NO. 12</b>									<b>0.22</b>		<b>38</b>						<b>20</b>			<b>1,178</b>	<b>1,178</b>		
47988.3.1	NewHanover	13	EXIT 420 - I-40 EB EXIT RAMP AT SR 2048 (GORDON ROAD)	FROM I-40 EB TO SR 2048 (GORDON RD.) [MP 0.04 - MP 0.19]	4	1		0.15	18	8													
<b>TOTAL FOR MAP NO. 13</b>									<b>0.15</b>		<b>8</b>												
47988.3.1	New Hanover	14	EXIT 420 - I-40 EB ENTRANCE RAMP AT I-40 EB	FROM SR 2048 (GORDON RD.) TO I-40 EB [MP 6.49 - MP 6.73]	3	1		0.24	25	38										1,297	1,297		
<b>TOTAL FOR MAP NO. 14</b>									<b>0.24</b>		<b>38</b>									<b>1,297</b>	<b>1,297</b>		
47988.3.1	NewHanover	15	EXIT 420A - I-40 WB EXIT RAMP AT SR 2048 (GORDON ROAD)	FROM I-40 WB TO SR 2048 (GORDON RD.) [MP 0.11 - MP 0.33]	8	1		0.22	24	8										1,134	1,234	200	
<b>TOTAL FOR MAP NO. 15</b>									<b>0.22</b>		<b>8</b>									<b>1,134</b>	<b>1,234</b>	<b>200</b>	
47988.3.1	NewHanover	16	EXIT 420A - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM SR 2048 (GORDON RD.) TO I-40 WB [MP0.01 - MP 0.60]	5	1		0.59	18	38										3,085	3,085		
<b>TOTAL FOR MAP NO. 16</b>									<b>0.59</b>		<b>38</b>									<b>3,085</b>	<b>3,085</b>		
47988.3.1	NewHanover	17	EXIT 420B - I-40 WB EXIT RAMP AT I-40 WB	FROM I-40 WB TO NC 132 (N. COLLEGE RD.) [MP 9.19 - MP 9.67]	7	1		0.48	20	8										2,027	2,027		

PROJECT NO.	SHEET NO.
I-6039	22

## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	440000000-E	441500000-N	442000000-N	442300000-N	442400000-N	443400000-N	448000000-N	451000000-N	468500000-E		468800000-E		469500000-E			
										WORK ZONE SIGNS (STATIONARY)	FLASHING ARROW BOARD	PORT CHANG MSG SIGN	DIGITAL SPEED LIMIT SIGNS	WORK ZONE PRESENCE LIGHTING	SEQUENTIAL FLASHING WARNING LIGHTS	TMA	LAW ENFORCEMENT	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO			
									SF	EA	EA	EA	EA	EA	EA	HR	LF	LF	LF	LF	LF				
<b>TOTAL FOR MAP NO. 17</b>									0.48	8								2,027	2,027						
47988.3.1	NewHanover	18	EXIT 416B - I-40 WB EXIT RAMP AT I-140	FROM I-40 WB TO I-140 EB [MP 0.14 - MP 0.60]	2	2		0.46	25	8								2,393	2,393						
<b>TOTAL FOR MAP NO. 18</b>									0.46	8									2,393	2,393					
47988.3.1	NewHanover	19	EXIT 416A - I-40 WB EXIT LOOP AT I-140	FROM I-40 TO I-140 WB [MP 0.04 - MP 0.22]	6	1		0.18	22	8								1,069	1,019						
<b>TOTAL FOR MAP NO. 19</b>									0.18	8								1,069	1,019						
47988.3.1	NewHanover	20	EXIT 20B - I-140 WB EXIT RAMP AT I-40 WB	FROM I-140 TO I-40 WB [MP 0.31 - MP 0.75]	2	1		0.44	24	8								1,240	1,240						
<b>TOTAL FOR MAP NO. 20</b>									0.44	8								1,240	1,240						
47988.3.1	NewHanover	21	EXIT 414 - I-40 WB EXIT RAMP AT SR 1002 (HOLLY SHELTER ROAD)	FROM I-40 WB TO SR 1002 (HOLLY SHELTER RD.) [MP 0.08 - MP 0.39]	8	1		0.31	18	8								1,610	1,710			100			
<b>TOTAL FOR MAP NO. 21</b>									0.31	8								1,610	1,710			100			
47988.3.1	NewHanover	22	EXIT 414 - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM SR 1002 (HOLLY SHELTER RD.) TO I-40 WB [MP 0.01 - MP 0.17]	9	1		0.16	18	38												874	50		
<b>TOTAL FOR MAP NO. 22</b>									0.16	38													874	50	
47988.3.1	Pender	23	EXIT 408 - I-40 WB EXIT RAMP AT NC 210 HWY.	FROM I-40 WB TO NC 210 HWY. [MP 0.03 - MP 0.24]	8	1		0.21	18	16									1,108	1,208			180		
<b>TOTAL FOR MAP NO. 23</b>									0.21	16									1,108	1,208			180		
47988.3.1	Pender	24	EXIT 408 - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM NC 210 HWY. TO I-40 WB [MP 0.01 - MP 0.22]	7	1		0.21	18	38									1,121	1,121					
<b>TOTAL FOR MAP NO. 24</b>									0.21	38								1,121	1,121						
<b>TOTAL FOR PROJ NO. 47988.3.1</b>									33.03	584	4	8	4	16	34,000	2	1,200	22,590	26,225	246,757	175,125	1,275			
<b>GRAND TOTAL</b>									33.03	584	4	8	4	16	34,000	2	1,200	22,590	26,225	246,757	175,125	1,275			
																	48,815	421,882							







PROJECT NO.	SHEET NO.
I-6039	25

## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO.	COUNTY	MAP NO.	ROUTE	DESCRIPTION	TYP NO.	LANES	LANE TYPE	LENGTH	WIDTH	4825000000-E	4850000000-E	4855000000-E	4890000000-E	4900000000-N	4905100000-N	
										12" WHITE PAINT	REMOVAL OF PAVEMENT MARKING LINES (4")	REMOVAL OF PAVEMENT MARKING LINES (6")	REMOVAL OF PAVEMENT MARKING (THERMO. ON CONCRETE ISLAND)	YELLOW & YELLOW MARKERS	NON CAST IRON SNOWPLOW-ABLE MARKERS (C/R)	
										MI	FT	LF	LF	LF	EA	EA
47988.3.1	Pender	1	I-40 E	FROM 0.50 MILES W. OF NC 210 INTERCHANGE TO 0.40 MILES E. OF SR 2048 (GORDON RD.) INTERCHANGE [MM 407.50 - MM 420.36]	1	2	MD	12.86	42						850	
<b>TOTAL FOR MAP NO. 1</b>									<b>12.86</b>					<b>850</b>		
47988.3.1	Pender	2	I-40 W	FROM 0.09 MILES E. OF SR 2048 (GORDON RD.) INTERCHANGE TO 0.50 MILES W. OF NC 210 HWY. INTERCHANGE [MM 420.36 - MM 407.50]	1	2	MD	12.86	42	2,340					1,308	
<b>TOTAL FOR MAP NO. 2</b>									<b>12.86</b>		<b>2,340</b>			<b>1,308</b>		
47988.3.1	Pender	3	EXIT 408 - I-40 EB EXIT RAMP AT NC 210 HWY.	EXIT RAMP FROM I-40 EB TO NC 210 HWY. [MP 0.09 - MP 0.27]	8	1		0.18	20		100		80	8	28	
<b>TOTAL FOR MAP NO. 3</b>									<b>0.18</b>		<b>100</b>		<b>80</b>	<b>8</b>	<b>28</b>	
47988.3.1	Pender	4	EXIT 408 - I-40 EB ENTRANCE RAMP AT I-40 EB	ENTRANCE RAMP FROM NC 210 HWY. TO I-40 EB [MP 0.00 - MP 0.22]	7	1		0.22	18						12	
<b>TOTAL FOR MAP NO. 4</b>									<b>0.22</b>					<b>12</b>		
47988.3.1	Pender	5	EXIT 414 - I-40 EB EXIT RAMP AT SR 1002 (HOLLY SHELTER ROAD)	EXIT RAMP FROM I-40 EB TO SR 1002 (HOLLY SHELTER RD.) [MP 0.04 - MP 0.23]	9	1		0.19	18					8	20	
<b>TOTAL FOR MAP NO. 5</b>									<b>0.19</b>					<b>8</b>	<b>20</b>	
47988.3.1	Pender	6	EXIT 414 - I-40 EB EXIT RAMP AT SR 1002 (HOLLY SHELTER ROAD)	ENTRANCE RAMP FROM SR 1002 (HOLLY SHELTER RD.) TO I-40 EB [MP 0.00 - MP 0.36]	8	1		0.36	18				80	8		
<b>TOTAL FOR MAP NO. 6</b>									<b>0.36</b>				<b>80</b>	<b>8</b>		
47988.3.1	Pender	7	EXIT 416A - I-40 EB EXIT RAMP AT I-140 WB	EXIT RAMP FROM I-40 WB TO I-140 WEST [MP 0.27 - MP 0.66]	2	1		0.39	24							
<b>TOTAL FOR MAP NO. 7</b>									<b>0.39</b>							
47988.3.1	Pender	8	EXIT 416B - I-40 EB ENTRANCE RAMP AT I-140/US 17	ENTRANCE RAMP FROM I-40 TO I-40 EB [MP 0.10 - MP 1.11]	2	1		1.01	25						94	
<b>TOTAL FOR MAP NO. 8</b>									<b>1.01</b>						<b>94</b>	
47988.3.1	Pender	9	EXIT 416B - I-40 EB EXIT LOOP AT I-140 EB	EXIT RAMP FROM I-40 EB TO I-140 EB [MP 0.64 - MP 0.82]	6	1		0.18	22							
<b>TOTAL FOR MAP NO. 9</b>									<b>0.18</b>							
47988.3.1	Pender	10	EXIT 20A - I-140 WB EXIT LOOP AT I-40 EB	EXIT RAMP FROM I-140 WB TO I-40 EB [MP 0.69 - MP 0.87]	6	1		0.18	21							
<b>TOTAL FOR MAP NO. 10</b>									<b>0.18</b>							
47988.3.1	Pender	11	EXIT 20 - I-140 EB EXIT LOOP AT I-40 WB	EXIT RAMP FROM I-140 WB TO I-40 WEB [MP 0.10 - MP 0.83]	2	1		0.73	25			550		7		
<b>TOTAL FOR MAP NO. 11</b>									<b>0.73</b>			<b>550</b>		<b>7</b>		
47988.3.1	New Hanover	12	EXIT 20 - I-140 EB ENTRANCE RAMP AT I-40 EB	FROM I-140 EB TO I-40 EB [MP 0.34 - MP 0.56]	2	1		0.22	25							
<b>TOTAL FOR MAP NO. 12</b>									<b>0.22</b>							
47988.3.1	New Hanover	13	EXIT 420 - I-40 EB EXIT RAMP AT SR 2048 (GORDON ROAD)	FROM I-40 EB TO SR 2048 (GORDON RD.) [MP 0.04 - MP 0.19]	4	1		0.15	18							
<b>TOTAL FOR MAP NO. 13</b>									<b>0.15</b>							
47988.3.1	New Hanover	14	EXIT 420 - I-40 EB ENTRANCE RAMP AT I-40 EB	FROM SR 2048 (GORDON RD.) TO I-40 EB [MP 6.49 - MP 6.73]	3	1		0.24	25							
<b>TOTAL FOR MAP NO. 14</b>									<b>0.24</b>							
47988.3.1	New Hanover	15	EXIT 420A - I-40 WB EXIT RAMP AT SR 2048 (GORDON ROAD)	FROM I-40 WB TO SR 2048 (GORDON RD.) [MP 0.11 - MP 0.33]	8	1		0.22	24				80	8	20	
<b>TOTAL FOR MAP NO. 15</b>									<b>0.22</b>				<b>80</b>	<b>8</b>	<b>20</b>	
47988.3.1	New Hanover	16	EXIT 420A - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM SR 2048 (GORDON RD.) TO I-40 WB [MP 0.01 - MP 0.60]	5	1		0.59	18							
<b>TOTAL FOR MAP NO. 16</b>									<b>0.59</b>							
47988.3.1	New Hanover	17	EXIT 420B - I-40 WB EXIT RAMP AT I-40 WB	FROM I-40 WB TO NC 132 (N. COLLEGE RD.) [MP 9.19 - MP 9.67]	7	1		0.48	20		660					

PROJECT NO.	SHEET NO.
I-6039	26

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO.	COUNTY	MAP NO.	ROUTE	DESCRIPTION	TYP NO.	LANES	LANE TYPE	LENGTH	WIDTH	4825000000-E	4850000000-E	4855000000-E	4890000000-E	4900000000-N	4905100000-N	
										12" WHITE PAINT	REMOVAL OF PAVEMENT MARKING LINES (4")	REMOVAL OF PAVEMENT MARKING LINES (6")	REMOVAL OF PAVEMENT MARKING (THERMO. ON CONCRETE ISLAND)	YELLOW & YELLOW MARKERS	NON CAST IRON SNOWPLOW-ABLE MARKERS (C/R)	
									MI	FT	LF	LF	LF	LF	EA	EA
<b>TOTAL FOR MAP NO. 17</b>									<b>0.48</b>			<b>660</b>				
47988.3.1	NewHanover	18	EXIT 416B - I-40 WB EXIT RAMP AT I-140	FROM I-40 WB TO I-140 EB [MP 0.14 - MP 0.60]	2	2		0.46	25							
<b>TOTAL FOR MAP NO. 18</b>									<b>0.46</b>							
47988.3.1	NewHanover	19	EXIT 416A - I-40 WB EXIT LOOP AT I-140	FROM I-40 TO I-140 WB [MP 0.04 - MP 0.22]	6	1		0.18	22							
<b>TOTAL FOR MAP NO. 19</b>									<b>0.18</b>							
47988.3.1	NewHanover	20	EXIT 20B - I-140 WB EXIT RAMP AT I-40 WB	FROM I-140 TO I-40 WB [MP 0.31 - MP 0.75]	2	1		0.44	24							
<b>TOTAL FOR MAP NO. 20</b>									<b>0.44</b>							
47988.3.1	NewHanover	21	EXIT 414 - I-40 WB EXIT RAMP AT SR 1002 (HOLLY SHELTER ROAD)	FROM I-40 WB TO SR 1002 (HOLLY SHELTER RD.) [MP 0.08 - MP 0.39]	8	1		0.31	18				80	9	14	
<b>TOTAL FOR MAP NO. 21</b>									<b>0.31</b>				<b>80</b>	<b>9</b>	<b>14</b>	
47988.3.1	NewHanover	22	EXIT 414 - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM SR 1002 (HOLLY SHELTER RD.) TO I-40 WB [MP 0.01 - MP 0.17]	9	1		0.16	18					9		
<b>TOTAL FOR MAP NO. 22</b>									<b>0.16</b>					<b>9</b>		
47988.3.1	Pender	23	EXIT 408 - I-40 WB EXIT RAMP AT NC 210 HWY.	FROM I-40 WB TO NC 210 HWY. [MP 0.03 - MP 0.24]	8	1		0.21	18				80	9	22	
<b>TOTAL FOR MAP NO. 23</b>									<b>0.21</b>				<b>80</b>	<b>9</b>	<b>22</b>	
47988.3.1	Pender	24	EXIT 408 - I-40 WB ENTRANCE RAMP AT I-40 WB	FROM NC 210 HWY. TO I-40 WB [MP 0.01 - MP 0.22]	7	1		0.21	18							
<b>TOTAL FOR MAP NO. 24</b>									<b>0.21</b>							
<b>TOTAL FOR PROJ NO. 47988.3.1</b>									<b>33.03</b>		<b>2,340</b>	<b>760</b>	<b>550</b>	<b>400</b>	<b>66</b>	<b>2,368</b>
<b>GRAND TOTAL</b>									<b>33.03</b>		<b>2,340</b>	<b>760</b>	<b>550</b>	<b>400</b>	<b>66</b>	<b>2,368</b>

MAP 1 - EAST BOUND I-40 GUARDRAIL													
MILE MARKER/ RANGE	SIDE OF RDWY. RT/LT	TL-3 END UNIT (EA)	REMOVE & RESET TL-3 END UNIT (EA)	CAT-1 UNIT (EA)	REMOVE & REPLACE CAT-1 UNIT (EA)	REMOVE & RESET CAT- 1 UNIT (EA)	REMOVE & REPLACE TL-3 END UNIT (EA)	REMOVE & REPLACE TL- 3 ATTENUATOR END UNIT (EA)	STEEL BEAM GR SHOP CURVED (LF)	REMOVE & REPLACE GR (LF)	STEEL BEAM GUARDRAIL (LF)	GUARDRAIL PRE-FAB ANCHOR POSTS (GENERIC)	REMOVE & RESET EXISTING GR (LF)
408.03 - 408.06	LT		1			1					75		
408.30 - 408.32	RT					1	1						100
408.94 - 409.01	LT				1		1						258
408.97 - 409.01	RT		1		1								153
413.12 - 413.46	RT		1								40		128
413.67 - 413.70	LT						1				76		86
413.97 - 414.01	LT						1				36		123
414.03 - 414.06	LT						1			35	73		65
414.34 - 414.38	LT												64
414.41 - 414.44	LT				1						60		158
415.36 - 415.47	LT				1								
416.21 - 416.27	LT						1			245	60		
418.62 - 418.75	RT				1		1						632
418.63 - 418.66	LT						1				97		
419.51 - 419.53	RT						1						77
419.53 - 419.56	LT					1	1						22
419.79 - 419.89	RT						1						490
419.85 - 419.89	LT						1				54		
419.93 - 419.96	LT						1				75		114
420.05 - 420.11	RT	1			1								293
420.25 - 420.28	LT		2										75
MAP 1 - TOTAL		1	5	0	6	3	13	0	0	280	646	0	2,838

MAP 1 - EAST BOUND I-40 GUARDRAIL													MAP 2 - WEST BOUND I-40 GUARDRAIL															
MILE MARKER/RANGE	SIDE OF RDWY. RT/LT	TL-3 END UNIT (EA)	REMOVE & RESET TL-3 END UNIT (EA)	CAT-1 UNIT (EA)	REMOVE & REPLACE CAT-1 UNIT (EA)	REMOVE & RESET CAT-1 UNIT (EA)	REMOVE & REPLACE TL-3 END UNIT (EA)	REMOVE & REPLACE TL-3 ATTENUATOR END UNIT (EA)	STEEL BEAM GR SHOP CURVED (LF)	REMOVE & REPLACE GR (LF)	STEEL BEAM GUARDR AIL (LF)	GUARDR AIL PRE-FAB ANCHOR POSTS (GENERAL C)	REMOVE & RESET EXISTING GR (LF)	MILE MARKER/RANGE	SIDE OF RDWY. RT/LT	TL-3 END UNIT (EA)	REMOVE & RESET TL-3 END UNIT (EA)	CAT-1 UNIT (EA)	REMOVE & REPLACE CAT-1 UNIT (EA)	REMOVE & RESET CAT-1 UNIT (EA)	REMOVE & REPLACE TL-3 END UNIT (EA)	REMOVE & REPLACE TL-3 ATTENUATOR END UNIT (EA)	STEEL BEAM GR SHOP CURVED (LF)	REMOVE & REPLACE GR (LF)	STEEL BEAM GUARDR AIL (LF)	GUARDR AIL PRE-FAB ANCHOR POSTS (GENERAL C)	REMOVE & RESET EXISTING GR (LF)	
408.03 - 408.06	LT		1			1					75			420.29 - 420.25	RT				1									175
408.30 - 408.32	RT					1	1						100	420.27 - 420.24	LT						1							126
408.94 - 409.01	LT				1		1						258	419.95 - 419.92	LT						1				50			112
408.97 - 409.01	RT		1		1								153	419.90 - 419.82	RT						1							150
413.12 - 413.46	RT		1								40		128	419.89 - 419.85	LT						1				70			
413.67 - 413.70	LT						1				76		86	419.89 - 419.74	RT						1							150
413.97 - 414.01	LT						1				36		123	419.58 - 419.55	RT													100
414.03 - 414.06	LT						1		35	73			65	419.55 - 419.53	LT						1				75			
414.34 - 414.38	LT												64	418.74 - 418.62	RT													375
414.41 - 414.44	LT				1						60		158	418.63 - 418.61	LT						2				125			25
415.36 - 415.47	LT				1									417.33 - 417.27	LT					1								
416.21 - 416.27	LT						1		245	60				416.26 - 416.20	Lt						1				115			
418.62 - 418.75	RT				1		1						632	415.45 - 415.34	RT				1									
418.63 - 418.66	LT						1				97			414.43 - 414.39	RT										50			125
419.51 - 419.53	RT						1						77	414.42 - 414.39	LT						1				47			114
419.53 - 419.56	LT					1	1						22	414.35 - 414.32	LT		1								63			112
419.79 - 419.89	RT						1						490	414.04 - 414.00	Lt										50			
419.85 - 419.89	LT						1				54			413.98 - 413.96	LT						1				76			85
419.93 - 419.96	LT						1				75		114	413.70 - 413.67	LT		1								44			168
420.05 - 420.11	RT	1			1								293	413.45 - 413.42	LT						1				68			95
420.25 - 420.28	LT		2										75	408.33 - 408.31	RT				1									
														408.07 - 408.04	LT		1			1						81		
<b>MAP 1 - TOTAL</b>		1	5	0	6	3	13	0	0	280	646	0	2,838	<b>MAP 2 - TOTAL</b>		0	3	0	3	2	12	0	0	0	914	0	1,912	

Project No.	Sheet No.
I-6039	28

I-40 RAMPS GUARDRAIL													
MAP NO.	MILE MARKER/RANGE	SIDE OF RDWY. RT/LT	TL-3 END UNIT (EA)	REMOVE & RESET TL-3 END UNIT (EA)	CAT-1 UNIT (EA)	REMOVE & REPLACE CAT-1 UNIT (EA)	REMOVE & RESET CAT-1 UNIT (EA)	REMOVE & REPLACE TL-3 END UNIT (EA)	STEEL BEAM GR SHOP CURVED (LF)	REMOVE & REPLACE GR (LF)	STEEL BEAM GUARDRAIL (LF)	GUARDRAIL PRE-FAB ANCHOR POSTS (GENERIC)	REMOVE & RESET EXISTING GR (LF)
3	0.19 - 0.27	RT	1							100			275
4	0.00 - 0.09	RT											150
8	0.50 - 0.57	LT				1							
8	0.67 - 0.70	LT				1							
13	0.05 - 0.19	RT								125			
13	0.08 - 0.12	LT	1			1				75			217
14	6.48 - 6.72	RT								200			590
14	6.56 - 6.70	LT	1			1				100			125
15	0.23 - 0.29	LT				1				25			294
16	0.10 - 0.46	LT	1										1305
16	0.14 - 0.48	RT		1		1							1787
17	9.18 - 9.48	RT								970			785
17	9.20 - 9.46	LT						1		680			
17	9.54 - 9.58	RT				1				50			157
18	0.24 - 0.60	RT		1						75			
20	0.29 - 0.48	RT				1							1000
23	0.16 - 0.24	RT		1									555
24	0.01 - 0.10	RT				1				570			
<b>RAMPS TOTAL</b>			<b>4</b>	<b>3</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2970</b>	<b>0</b>	<b>0</b>	<b>7240</b>

<b>GRAND TOTAL</b>			<b>5</b>	<b>11</b>	<b>0</b>	<b>18</b>	<b>5</b>	<b>26</b>	<b>0</b>	<b>3250</b>	<b>1560</b>	<b>0</b>	<b>11990</b>
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