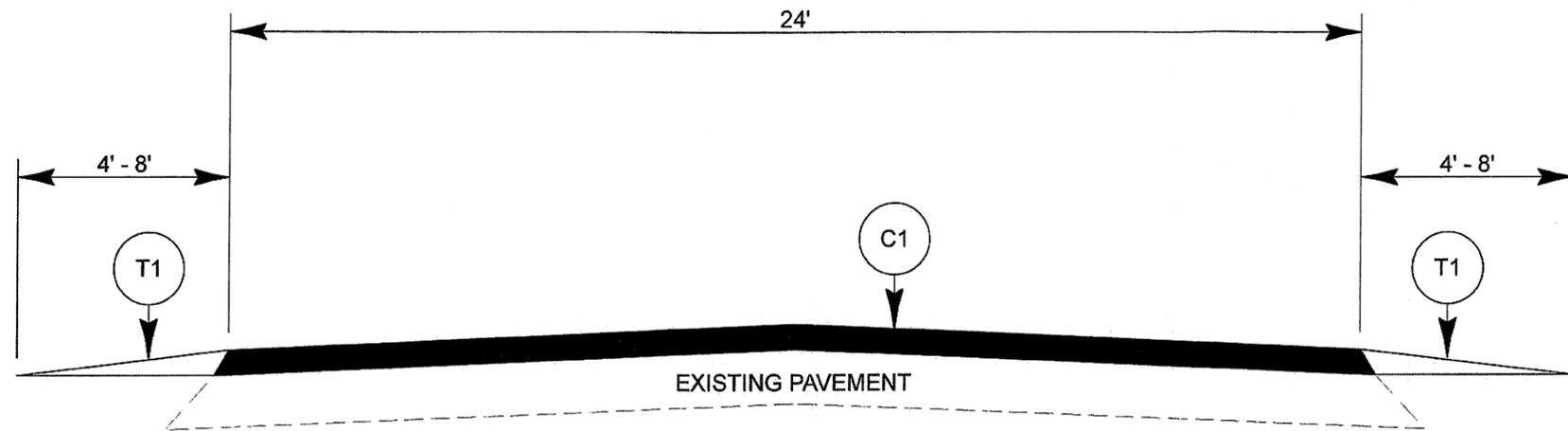
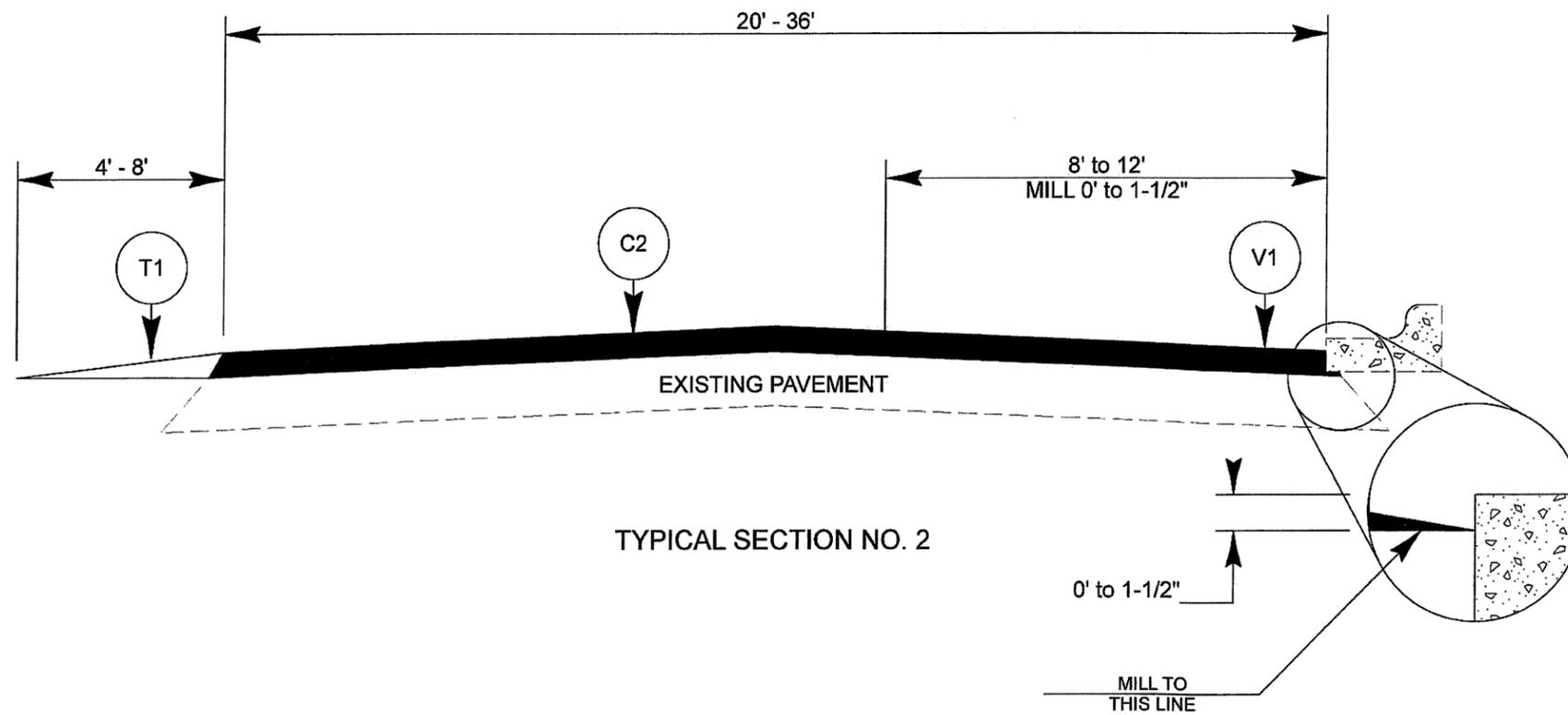
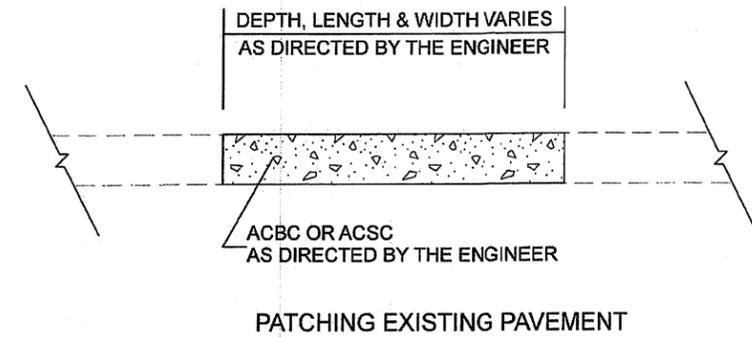


PROJECT NO.	SHEET NO.	TOTAL SHEETS
2016CPT.13.14.10811, 2016CPT.13.14.20811, 2016CPT.13.14.20812,	3	



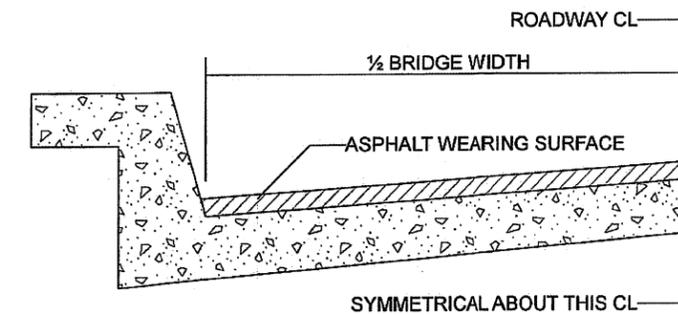
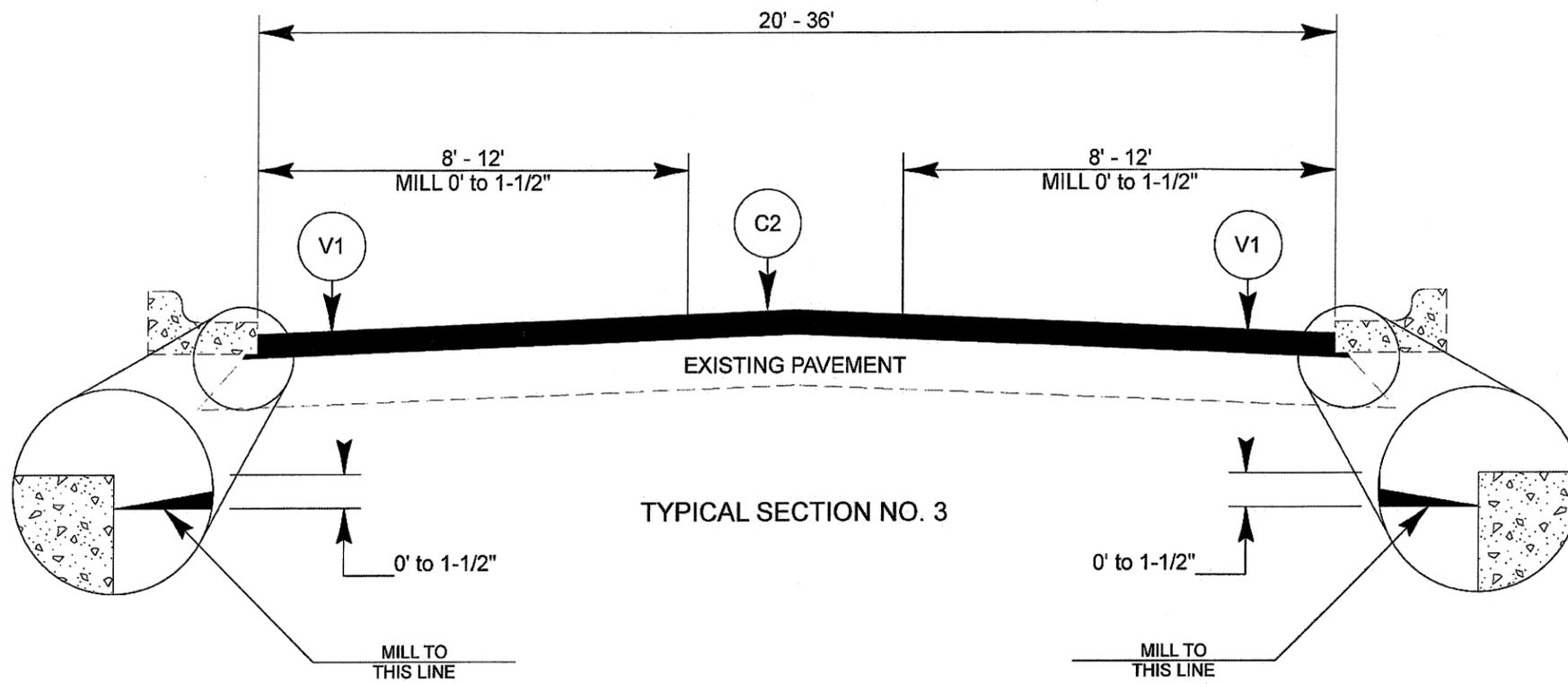
TYPICAL SECTION NO. 1



TYPICAL SECTION NO. 2

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD
C2	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YARD
F1	ASPHALT SURFACE TREATMENT, DOUBLE SEAL (LIGHTWEIGHT AGGREGATE)
T1	SHOULDER RECONSTRUCTION
V1	MILLING ASPHALT PAVEMENT, 0 TO 1-1/2" DEPTH
V2	INCIDENTAL MILLING

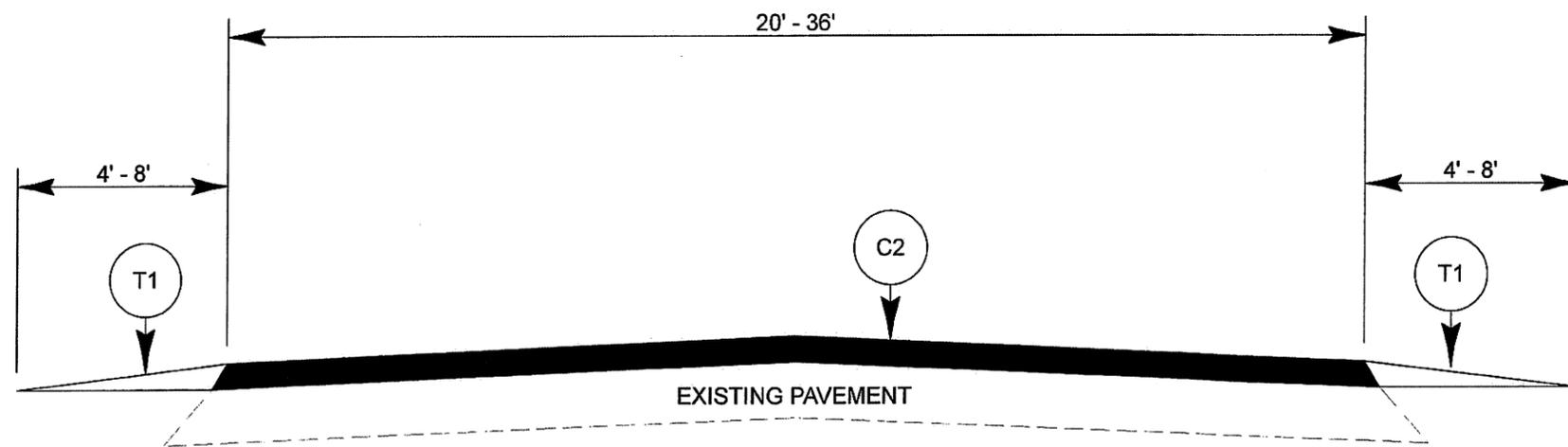
PROJECT NO.	SHEET NO.	TOTAL SHEETS
2016CPT.13.14.10811, 2016CPT.13.14.20811, 2016CPT.13.14.20812,	4	



BRIDGE HALF TYPICAL SECTION
 FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN

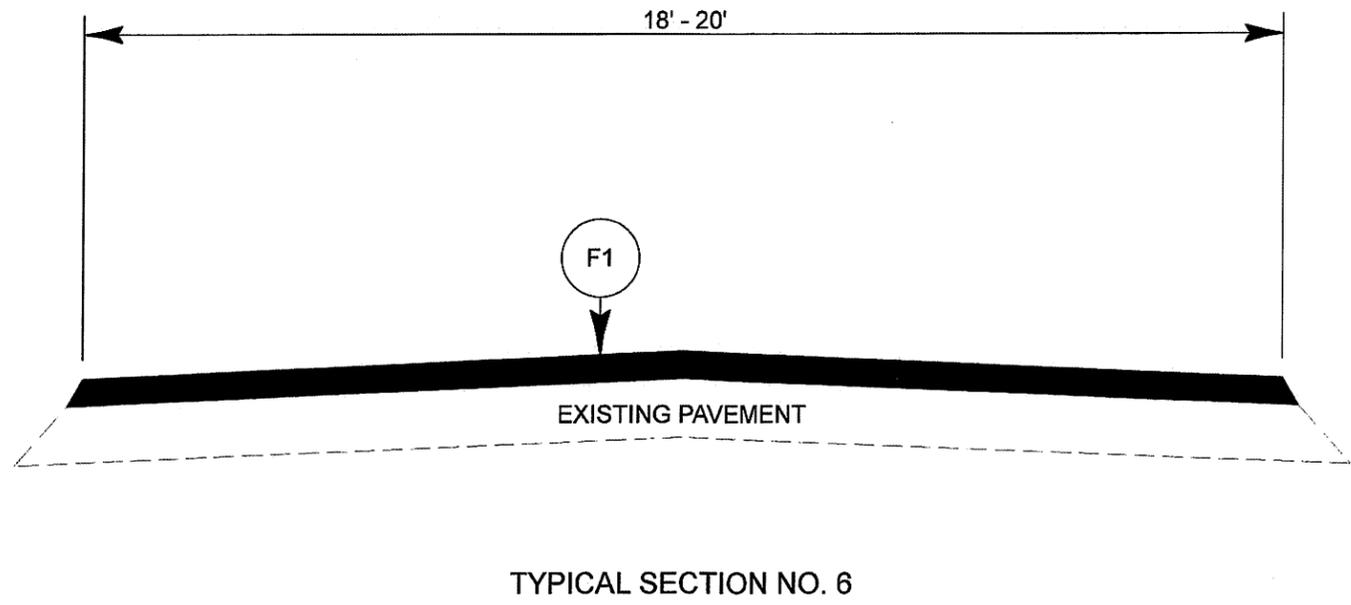
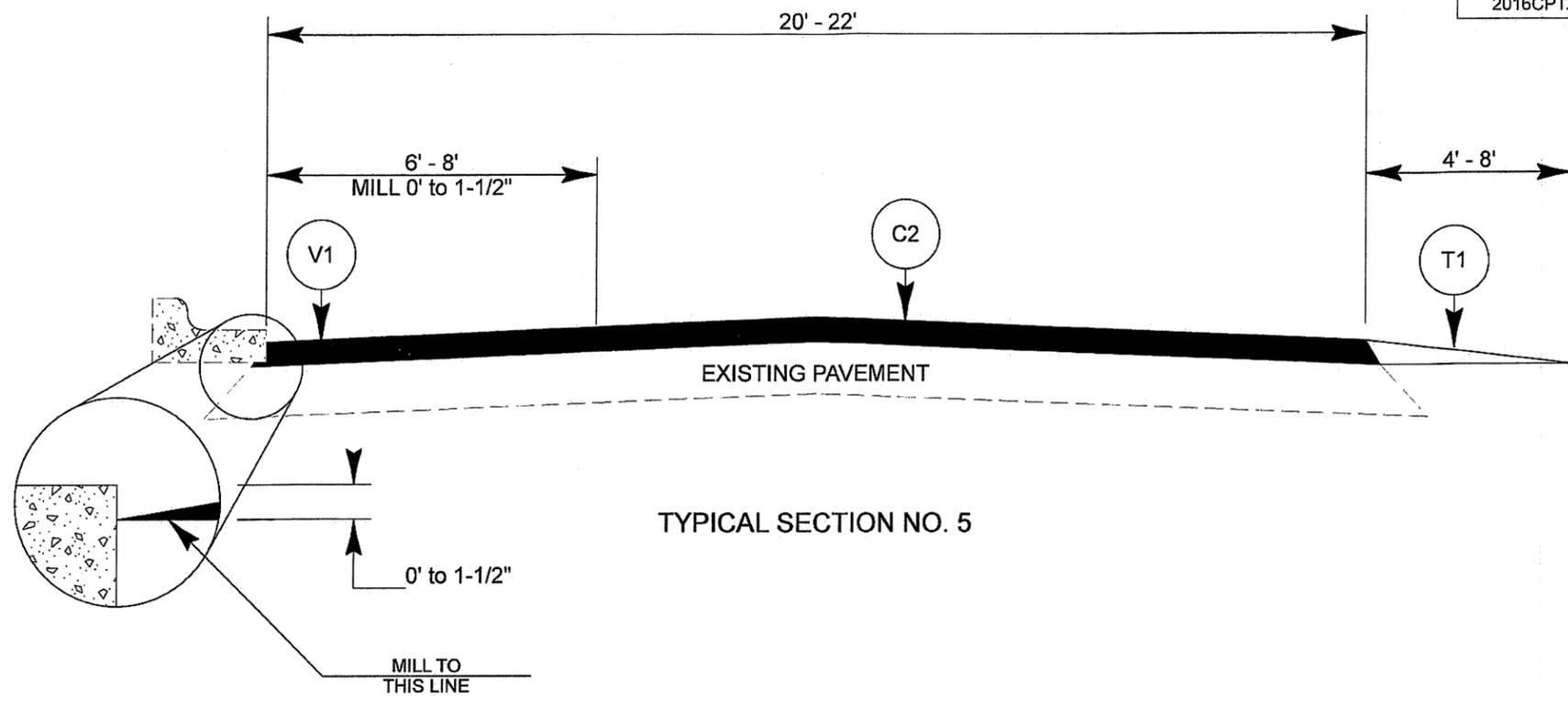
THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. THE MINIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1/2", SF9.5A 1.0", S9.5X 1.5", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 3/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2". THE MAXIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1.0", SF9.5A 1.5", S9.5X 2.0", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 3/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2".

NOTES
 ALL UNPAVED ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.
 ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
 SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE INDICATED.
 BRIDGES ARE TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

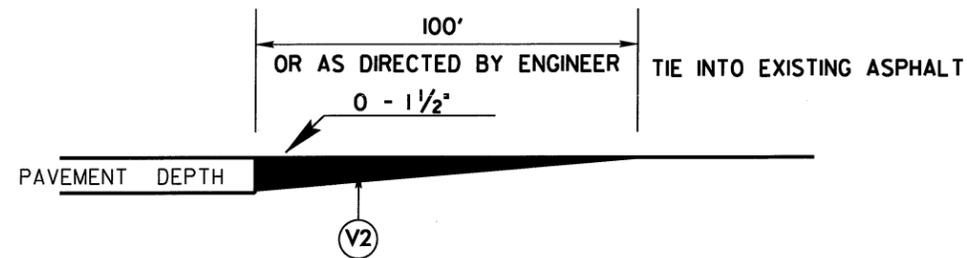


TYPICAL SECTION NO. 4

PROJECT NO.	SHEET NO.	TOTAL SHEETS
2016CPT.13.14.10811, 2016CPT.13.14.20811, 2016CPT.13.14.20812,	5	

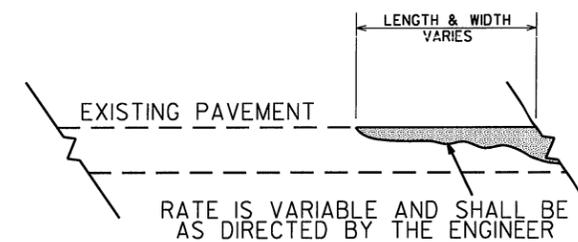
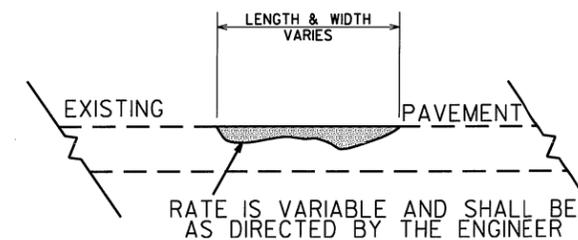


PROJECT NO.	SHEET NO.	TOTAL SHEETS
2016CPT.13.14.10811, 2016CPT.13.14.20811, 2016CPT.13.14.20812	6	



DETAIL TO TIE INTO EXIST PAVEMENT

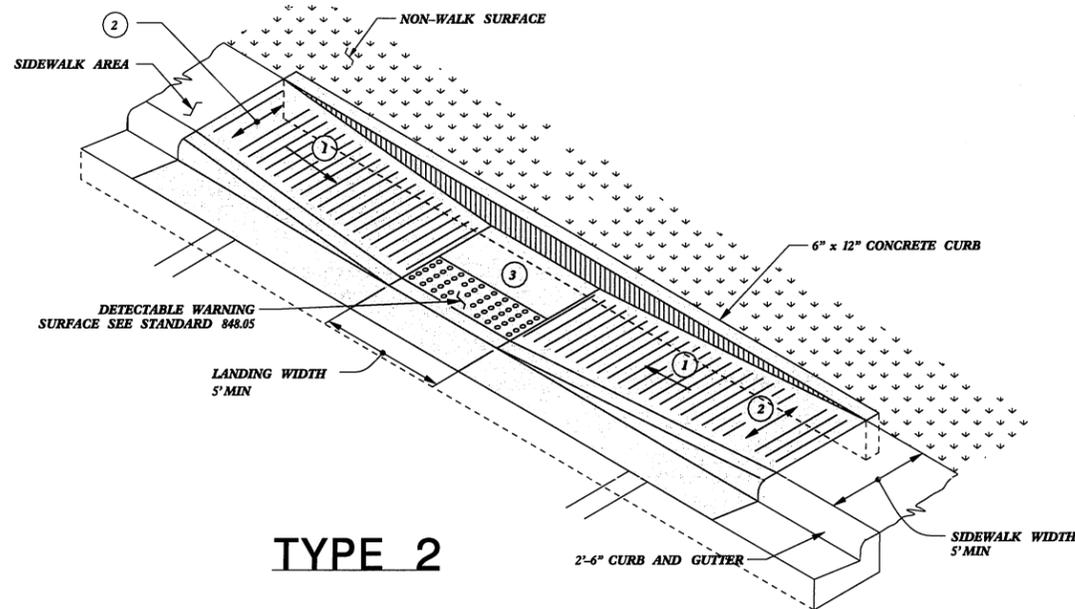
THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE WILL BE REQUIRED TO MILL THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END AND Y LINES OF EACH MAP TO BE RESURFACED WITH ASPHALT CONC SURFACE COURSE, TYPE S9.5B. THIS WILL BE PAID FOR AS INCIDENTAL MILLING.



DETAIL SHOWING METHOD OF WEDGING

5/14/99

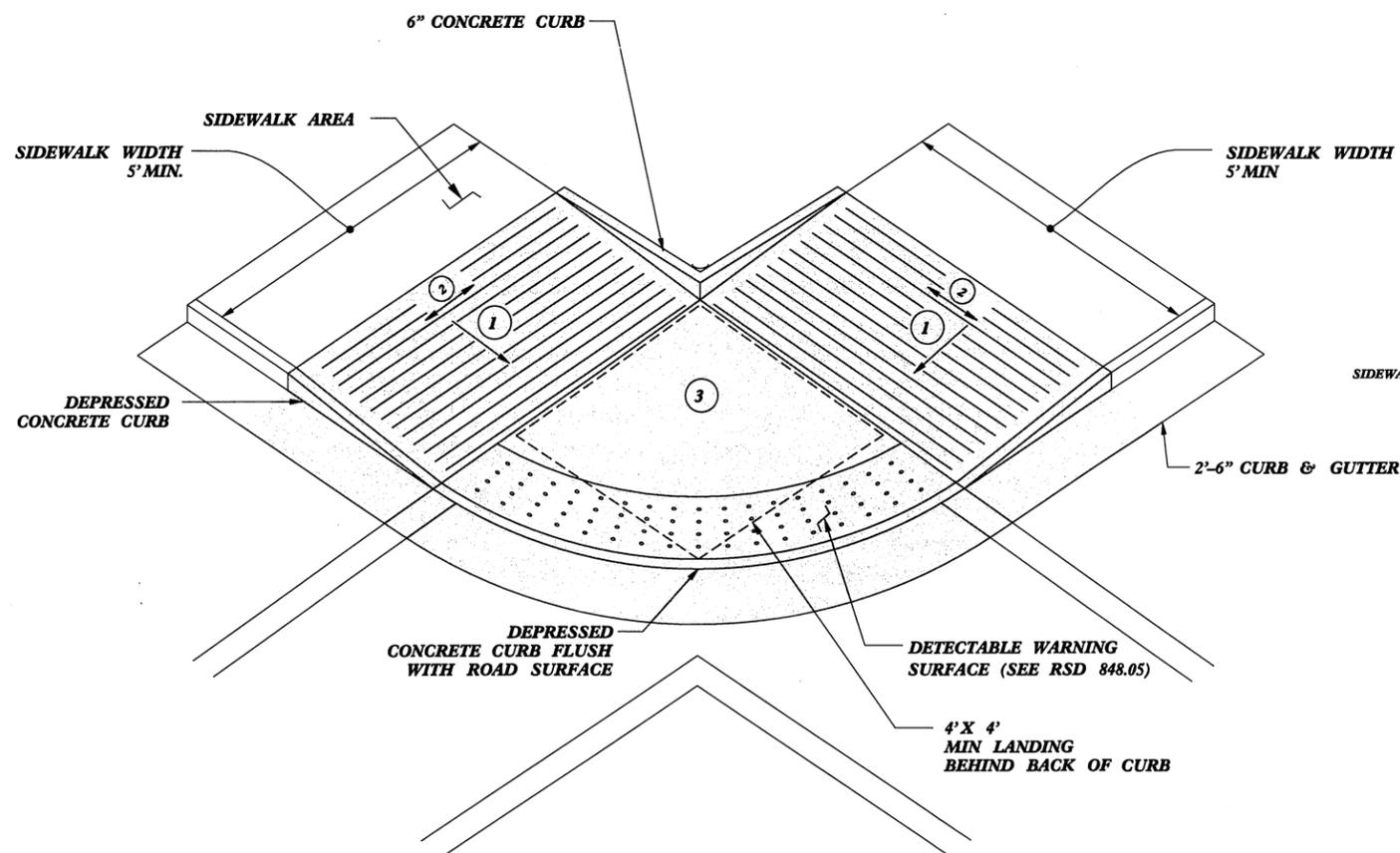
PROJECT	SHEET NO.	TOTAL SHEETS
2016CPT.13.14.10811, 2016CPT.13.14.20811	8	
2016CPT.13.14.20812		



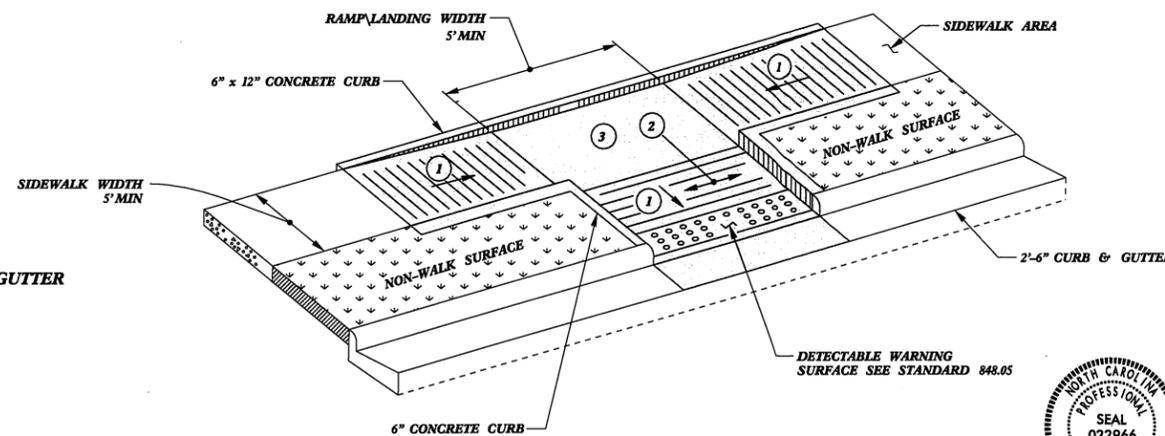
TYPE 2

PAY LIMITS FOR 1 CURB RAMP

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



TYPE 2A



TYPE 3



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

CURB RAMPS
 Parallel Ramps

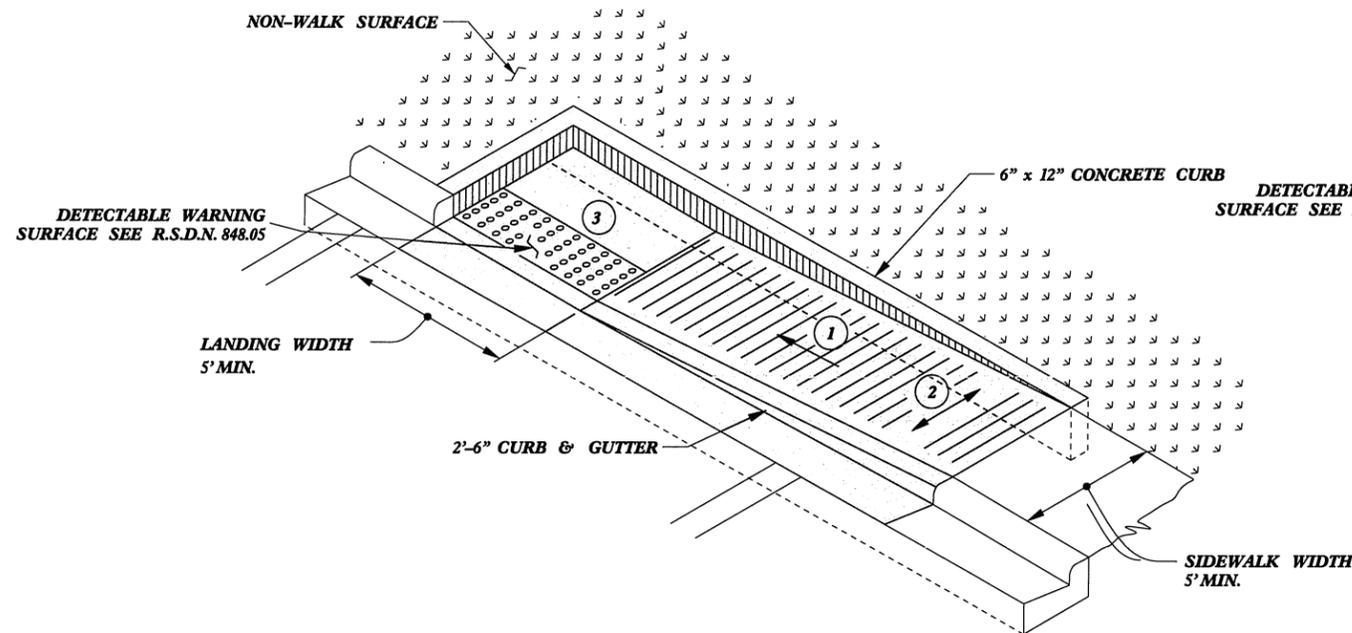
ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
 MODIFIED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dgn

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

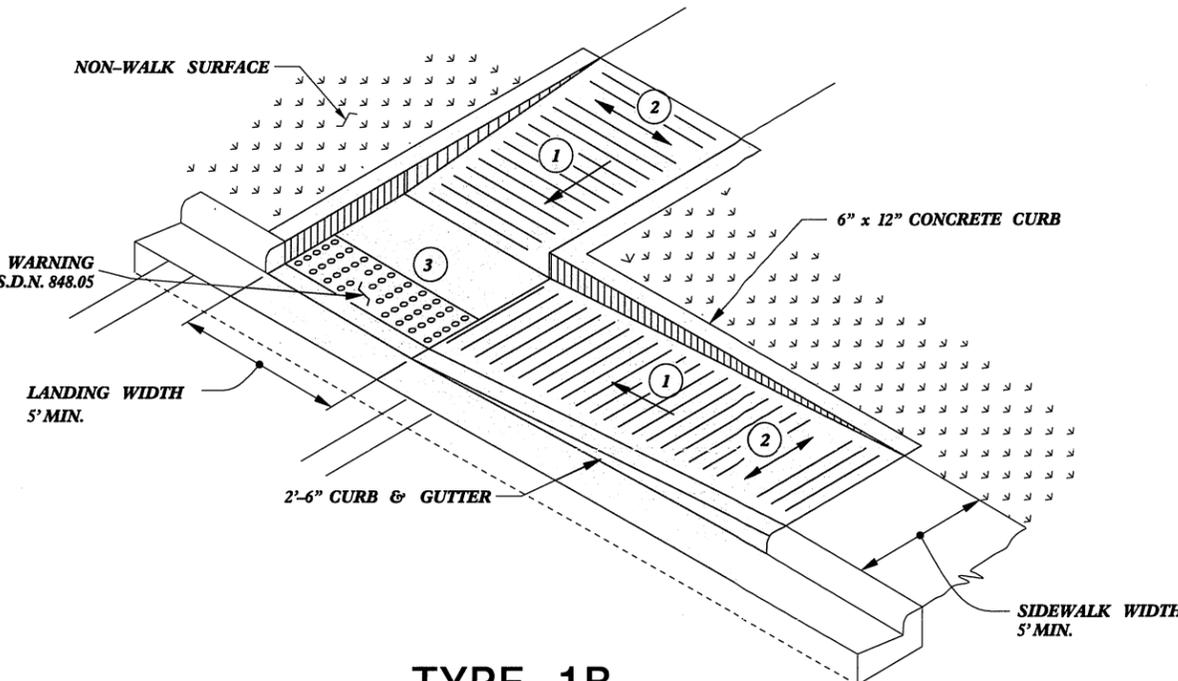
5/14/99
J.S. HOWERTON
PROFESSIONAL ENGINEER
STATE OF NORTH CAROLINA
LICENSE NO. 022966

5/14/09

PROJECT	SHEET NO.	TOTAL SHEETS
2016CPT.13.14.10811, 2016CPT.13.14.20811 2016CPT.13.14.20812	10	

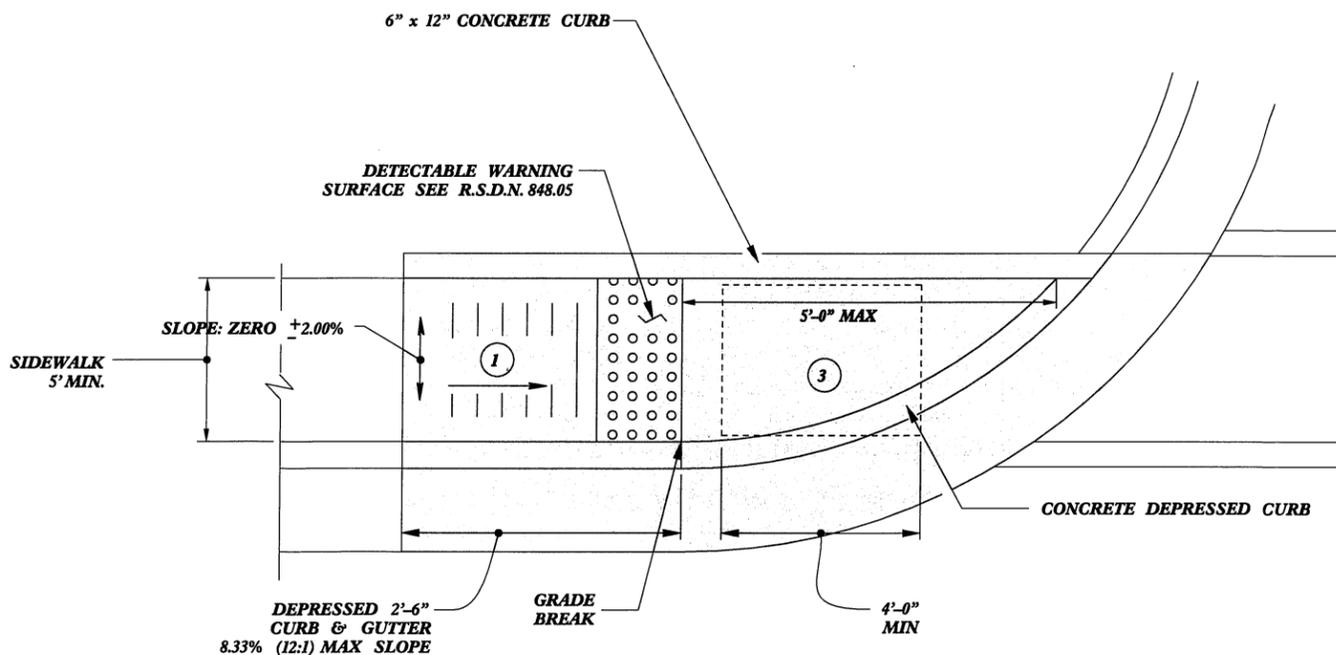


TYPE 1A



TYPE 1B

PAY LIMITS FOR 1 CURB RAMP



TYPE 1

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES



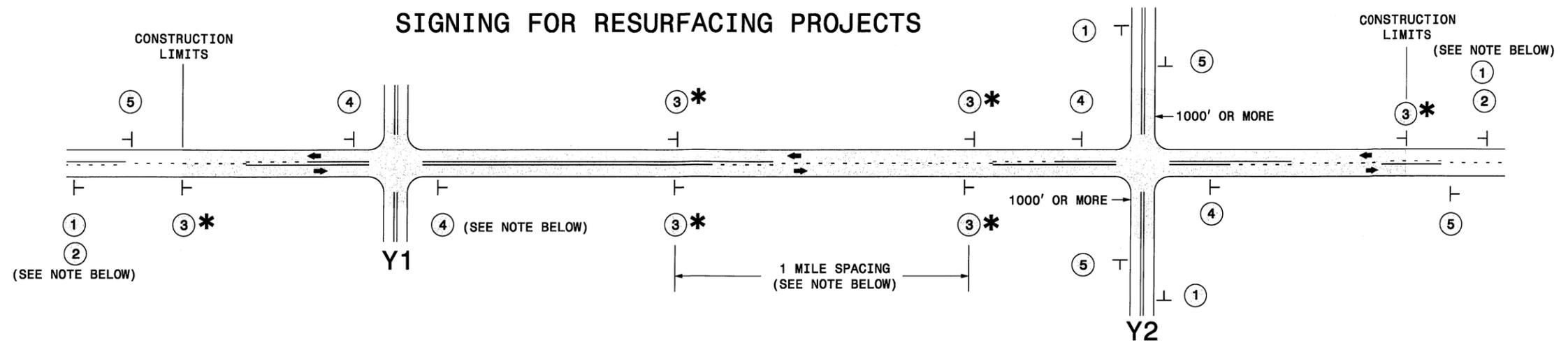
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

CURB RAMPS
Directional Ramps

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
 MODIFIED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dgn

SIGNING FOR RESURFACING PROJECTS



LEGEND	
⊥	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

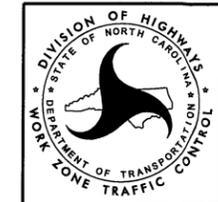
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	MAINLINE (-L-) SIGNING		-Y- LINE SIGNING		
	①		<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>		
	②				
	③*		<p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>		
	④				
⑤		<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS 			

* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS:
STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (WB-7).

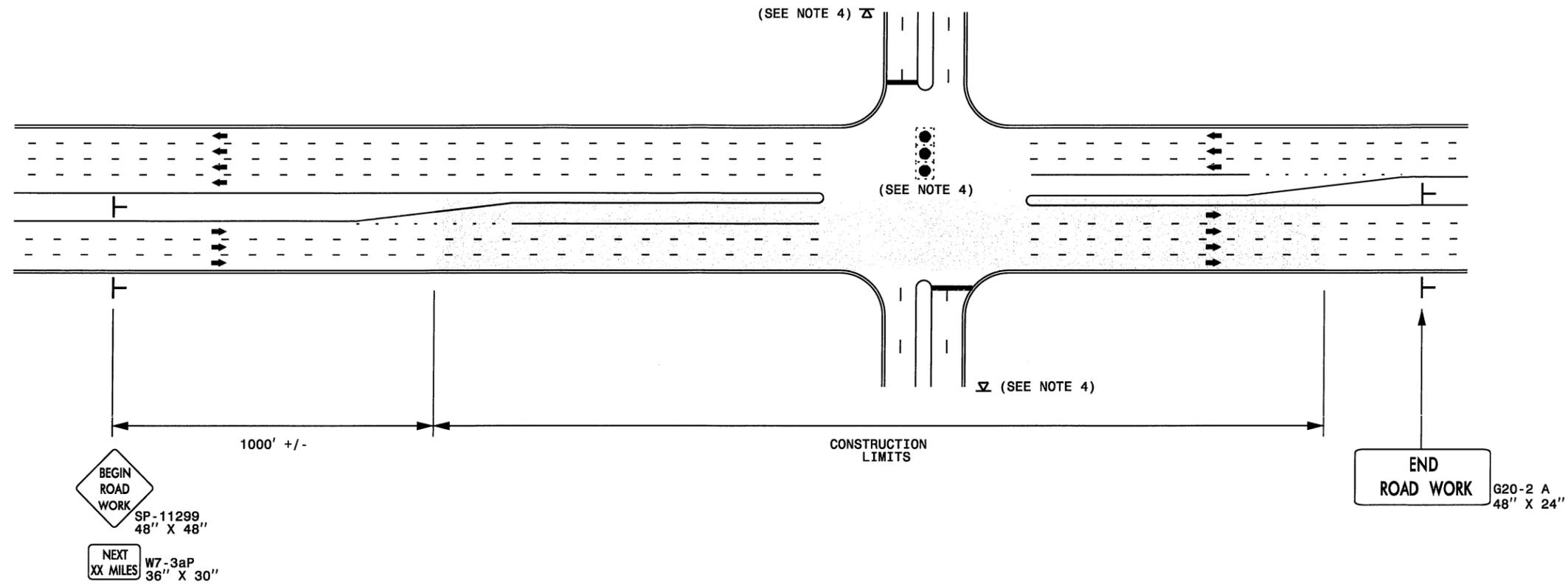


**RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS**

6/31/2014 8:21:00 AM W:\ZTC\apps\work\zonegeneral\external\webpage\desres\resurfacing\Documents\Resurfacing_AdvWarn_2Ln.dgn User:mgrr

PROJECT	SHEET NO.	TOTAL SHEETS
2016CPT.13.14.10811, 2016CPT.13.14.20811	13	
2016CPT.13.14.20812		

URBAN / SUBURBAN WORKZONES



NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

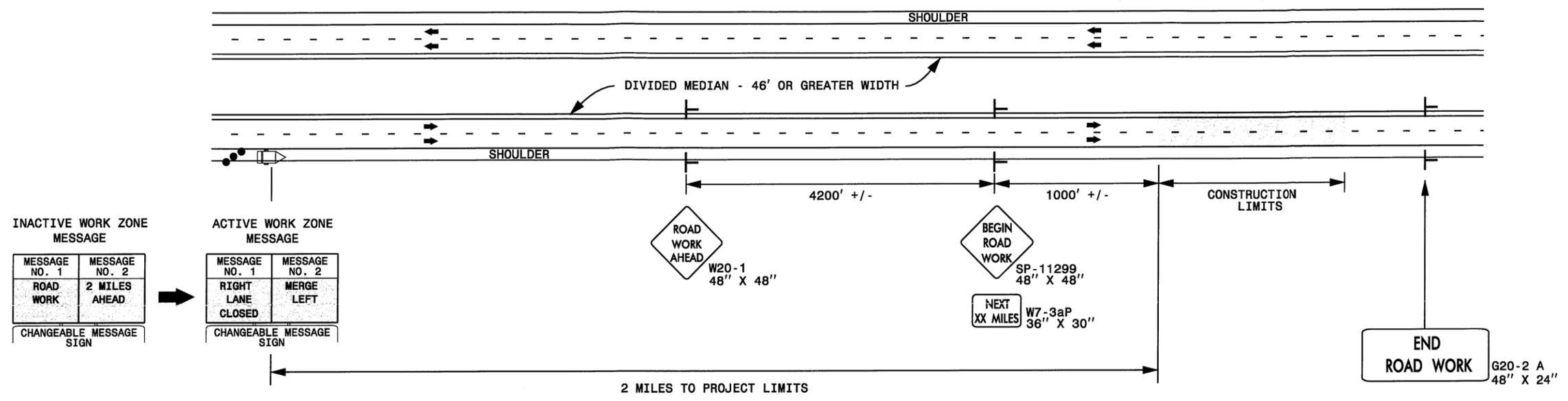
LEGEND	
└	STATIONARY SIGN
➔	DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**

DIVIDED MEDIANS WITH WIDTHS 46' OR GREATER

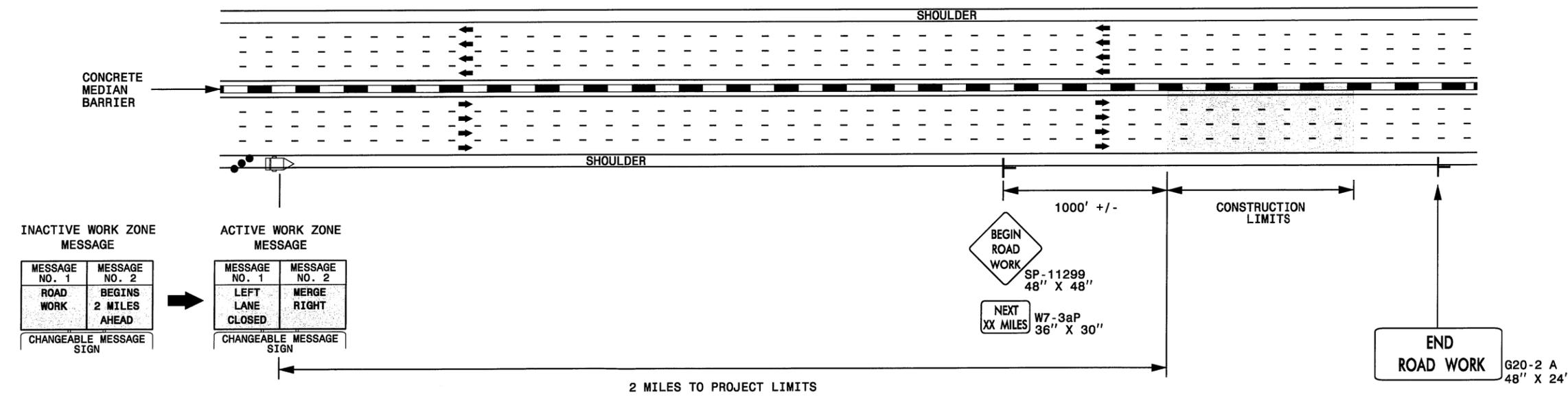
PROJECT	SHEET NO.	TOTAL SHEETS
2016CPT.13.14.10811, 2016CPT.13.14.20811	14	
2016CPT.13.14.20812		



INACTIVE WORK ZONE MESSAGE		ACTIVE WORK ZONE MESSAGE	
MESSAGE NO. 1	MESSAGE NO. 2	MESSAGE NO. 1	MESSAGE NO. 2
ROAD WORK	2 MILES AHEAD	RIGHT LANE CLOSED	MERGE LEFT

CHANGEABLE MESSAGE SIGN

DIVIDED MEDIANS WITH WIDTHS LESS THAN 46' OR WITH PERMANENT MEDIAN BARRIER



INACTIVE WORK ZONE MESSAGE		ACTIVE WORK ZONE MESSAGE	
MESSAGE NO. 1	MESSAGE NO. 2	MESSAGE NO. 1	MESSAGE NO. 2
ROAD WORK	BEGINS 2 MILES AHEAD	LEFT LANE CLOSED	MERGE RIGHT

CHANGEABLE MESSAGE SIGN

- NOTES:**
- 1) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 6' AS MEASURED FROM THE EDGE OF PAVEMENT.
 - 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
 - 3) FOR MEDIAN WIDTHS LESS THAN 46' (MEASURED EDGELINE TO EDGELINE) USE THE BOTTOM DRAWING.
 - 4) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
 - 5) INSTALL "ROAD WORK AHEAD" (W20-1) ALONG ENTRANCE RAMP 500' PRIOR TO RAMP TERMINAL, AND "END ROAD WORK" (G20-2a) AT THE END OF EXIT RAMP WITHIN THE WORK ZONE.
 - 6) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER AND WITH DIVIDED MEDIANS OF 46' OR GREATER. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

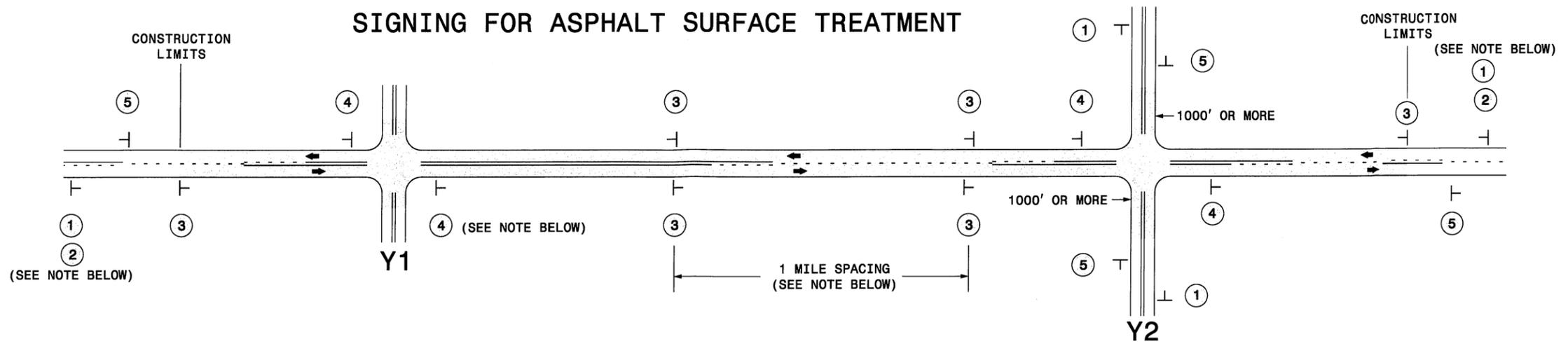
	CHANGEABLE MESSAGE SIGN (CMS)
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DRUM



RESURFACING ADVANCE WARNING SIGNS FOR HIGH SPEED FACILITIES ≥ 60 MPH

01/27/2013 10:51:23 AM J:\Projects\2013\Resurfacing\2013\Documents\New_Procedures_05_09_2013\Resurfacing_AdvWarn_HSpd.dgn

SIGNING FOR ASPHALT SURFACE TREATMENT



LEGEND	
	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	①	 W20-1 48" X 48"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.
	②	 W7-3aP 24" X 18"	#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)
	③	 W8-7 48" X 48"	ALTERNATE THE FOLLOWING TWO SIGNS: STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".
	④	 SP 48" X 48"	PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.
	⑤	 G20-2 A 48" X 24"	THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.

NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

- 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

**ADVANCE WARNING SIGNS
FOR
ASPHALT SURFACE TREATMENTS
2 LANE ROADWAYS**

12/22/2014
 J:\YMD\NMTTC\Apps\WorkZoneGeneral\ExternalWebPage\DesRes\Documents\Resurfacing\AdvWarn_2Ln - AST.dgn
 User: rmgrrt

SIGN NUMBER: 11299

TYPE: B

QUANTITY: SEE PLANS

SIGN WIDTH: 5'-6"

HEIGHT: 5'-6"

TOTAL AREA: 30.5 Sq.Ft.

BORDER TYPE: INSET

RECESS: 0.59"

WIDTH: 0.75"

RADII: 1.38"

NO. Z BARS: N/A

LENGTH: N/A

BACKG COLOR: Fluorescent Orange

COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: WJ

PROJECT ID: ALL

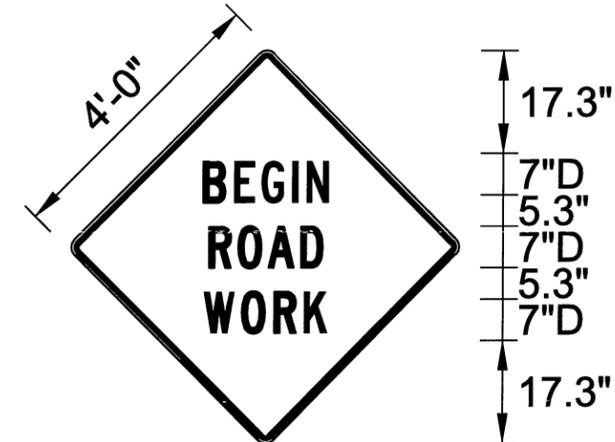
CHECKED BY:

DIV: ALL

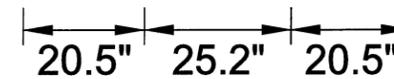
DATE: Jun 22, 2011

SP 11299

PROJECT	SHEET NO.	TOTAL SHEETS
2016CPT.13.14.10811, 2016CPT.13.14.20811	16	
2016CPT.13.14.20812		



BORDER
R=1.38"
TH=0.75"
IN=0.59"



Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be Type VII, VIII, or IX (prismatic) fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter														Series/Size	
														Text Length	
		B	E	G	I	N									D 2000
20.5	6	5.4	6.3	2.8	4.8	20.5									25.2
		R	O	A	D										D 2000
21.4	5.8	5.9	7	4.8	21.4										23.5
		W	O	R	K										D 2000
20.9	7.1	6.5	5.9	4.9	20.9										24.5

SIGN NUMBER: SP13106
 TYPE: STATIONARY
 QUANTITY: SEE PLANS

BACKG COLOR: Fluorescent Orange
 COPY COLOR: Black

DESIGN BY: B. RASHID
 PROJECT ID:

CHECKED BY: AIA
 DIV:

DATE: Apr 26, 2013

SIGN WIDTH: 4'-0"
 HEIGHT: 4'-0"
 TOTAL AREA: 16.00 Sq.Ft.

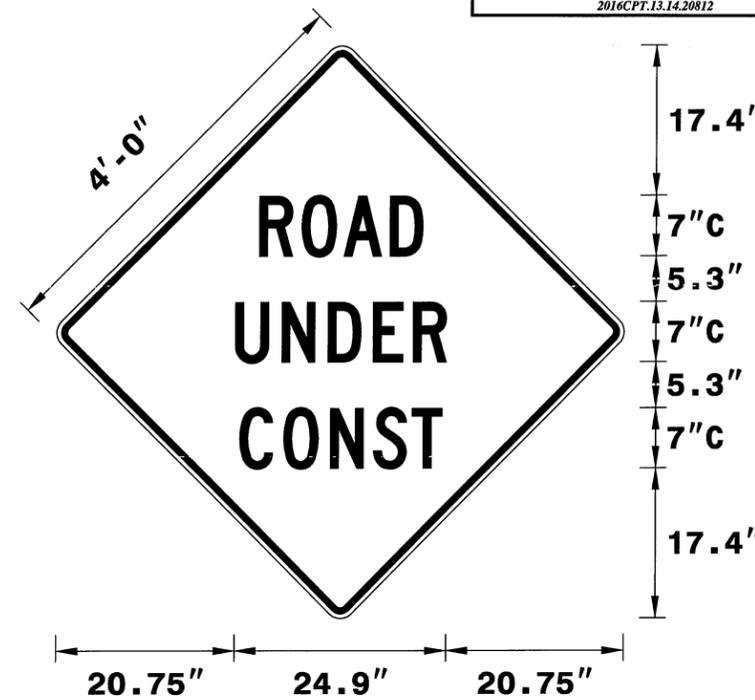
BORDER TYPE: INSET
 RECESS: 0.75"
 WIDTH: 1.25"
 RADII: 3"

NO. Z BARS:
 LENGTH:

SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0 mm) ALUMINUM

PROJECT	SHEET NO.	TOTAL SHEETS
2016CPT.13.14.10811, 2016CPT.13.14.20811	17	
2016CPT.13.14.20812		



Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluoreseent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter																	Series/Size	
																	Text Length	
		R	O	A	D													C 2000
	23.5	5	5	5.5	3.9	23.5												19.3
		U	N	D	E	R												C 2000
	20.7	5.5	5.5	5.3	4.8	3.9	20.7											24.9
		C	O	N	S	T												C 2000
	21.2	5.2	5.5	5.1	4.6	3.6	21.2											23.9

SIGN NUMBER: SP13107
 TYPE: STATIONARY
 QUANTITY: SEE PLANS

BACKG COLOR: Fluorescent Orange
 COPY COLOR: Black

DESIGN BY: B. RASHID
 PROJECT ID:

CHECKED BY: AIA
 DIV:

DATE: Apr 26, 2013

SIGN WIDTH: 4'-0"
 HEIGHT: 4'-0"
 TOTAL AREA: 16.00 Sq.Ft.

BORDER TYPE: INSET
 RECESS: 0.75"
 WIDTH: 1.25"
 RADII: 3"

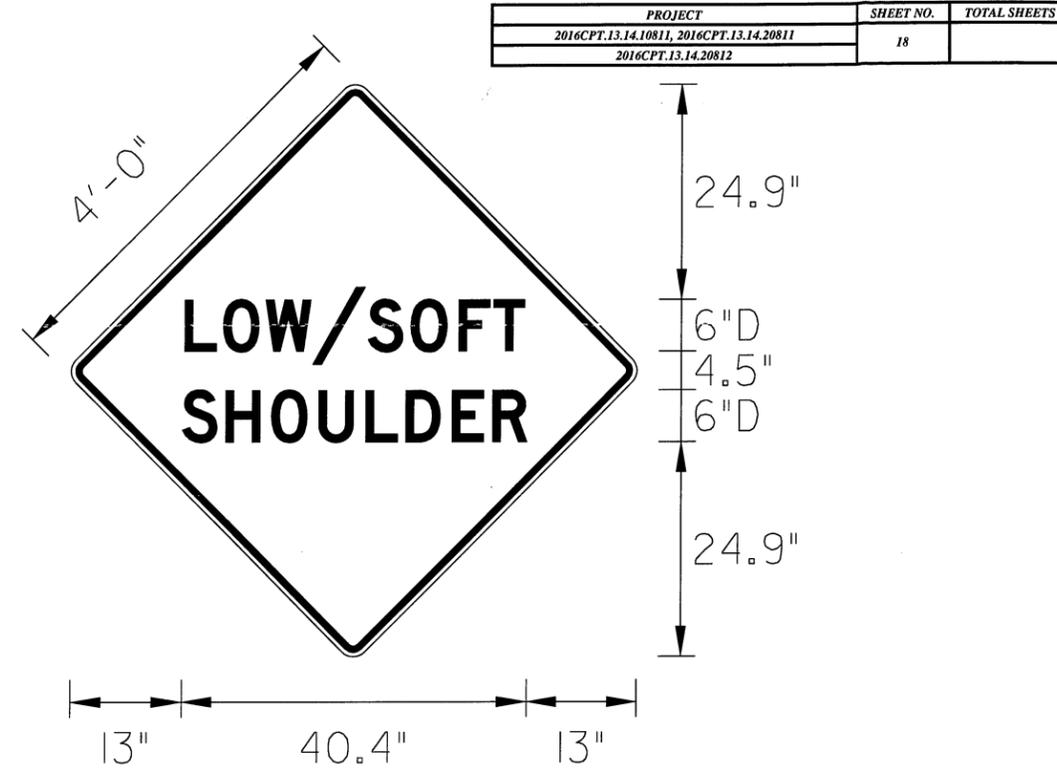
NO. Z BARS:
 LENGTH:

SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0 mm) ALUMINUM

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluoesent orange retroreflective sheeting.



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size	
											Text Length	
	L	O	W	/	S	O	F	T				D 2000
13.2	4.5	5	5.5	6.5	5	5.6	4.1	3.7	13.2			39.9
	S	H	O	U	L	D	E	R				D 2000
13	5.1	5.4	5.6	5.5	4.6	5.4	4.7	4.1	13			40.4

PROJECT NO. 2016CPT.13.14.10811, 2016CPT.13.14.20811, 2016CPT.13.14.20812	SHEET NO. 19	TOTAL NO.
---	------------------------	-----------

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	INCIDENTAL STONE BASE TON	SHOULDER RECONSTRUCTION SMI	MILLING ASPHALT PAVEMENT, 0" TO 1-1/2" DEPTH SY	INCIDENTAL MILLING SY	ASPHALT CONC SURFACE COURSE, TYPE S9.5B TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A TON	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT TON	ASPHALT SURFACE TREATMENT, DOUBLE SEAL SY	EMULSION FOR ASPHALT SURFACE TREATMENT GAL	CONCRETE CURB RAMP EA	ADJUSTMENT OF MANHOLES EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES EA
2016CPT.13.14.10811	Rutherford	1	NC 221A	FROM SR 2144 TO SR 2040 (MP 9.42 - MP 10.08)	1	2	2WU	NO	NO	0.66	24	33	1.32		1,370	863		52	325					
TOTAL FOR PROJ NO. 2016CPT.13.14.10811										0.66		33	1.32		1,370	863		52	325					
2016CPT.13.14.20811	Rutherford	2	SR 1006	FROM SCL OF BOSTIC TO NCL OF BOSTIC (MP 1.52 - MP 2.56)	2,3,4	2	2WU	NO	YES	1.04	20-36	52	1.00	6,680			1,557	104	280			22	2	12
		3	SR 1006	FROM SR 1007 TO SR 1712 (MP 4.50 - MP 6.29)	4	2	2WU	NO	YES	1.79	20	90	3.58				1,918	128	380					
		4	SR 1006	FROM SR 1712 TO SR 1745 (MP 6.29 - MP 8.38)	4	2	2WU	NO	YES	2.09	20	105	4.18				2,239	150	425					
		5	SR 1576	FROM SR 1006 TO SR 1595 (MP 2.96 - MP 4.44)	3,4,5	2	2WU	NO	NO	1.48	20-36	74	2.16	5,735			1,901	127	420			6	1	2
		6	SR 1591	FROM US 74 BUS TO SR 1547 (MP 0.00 - MP 1.82)	4,5	2	2WU	NO	NO	1.82	20-22	91	2.16	1,400			1,998	134	700			10	23	8
TOTAL FOR PROJ NO. 2016CPT.13.14.20811										8.22		412	13.08	13,815			9,613	643	2,205			38	26	22
2016CPT.13.14.20812	Rutherford	7	SR 1700	FROM NC 226 TO US 64 (MP 0.00 - MP 4.71)	6	2	2WU	NO	NO	4.71	18								210	49,738	27,360			
		8	SR 1760	FROM CLEVELAND COUNTY LINE TO SR 1749 (MP 0.00 - MP 2.30)	6	2	2WU	NO	NO	2.3	18								145	24,288	13,360			
		9	SR 1792	FROM SR 1766 TO SR 1766 (MP 0.00 - MP 1.28)	6	2	2WU	NO	NO	1.28	20								70	15,019	8,265			
		10	SR 1756	FROM CLEVELAND COUNTY LINE TO SR 1757 (MP 0.00 - MP 1.85)	6	2	2WU	NO	NO	1.85	18								135	19,536	10,745			
		11	SR 1755	FROM END OF PVMT TO SR 1756 (MP 0.58 - MP 0.68)	6	2	2WU	NO	NO	0.1	18								5	1,056	585			
		12	SR 1763	FROM CLEVELAND COUNTY LINE TO SR 1762 (MP 0.00 - MP 0.56)	6	2	2WU	NO	NO	0.56	18								15	5,914	3,255			
TOTAL FOR PROJ NO. 2016CPT.13.14.20812										10.8									580	115,551	63,570			
GRAND TOTAL										19.68		445	14.40	13,815	1,370	863	9,613	695	3,110	115,551	63,570	38	26	22

PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.13.14.10811, 2016CPT.13.14.20811, 2016CPT.13.14.20812	20	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4697000000-E		4705000000-E	4710000000-E	4721000000-E			4725000000-E	4810000000-E		4847000000-E		4905000000-N		
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS) WHITE	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILES) YELLOW	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS) WHITE	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS) WHITE	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS) RXR	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS) ONLY	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS) SCHOOL	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS) RT ARROW	PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW	POLYUREA PAVEMENT MARKING LINES (4") WHITE (HIGHLY REFLECTIVE ELEMENTS) LF	POLYUREA PAVEMENT MARKING LINES (4") YELLOW (HIGHLY REFLECTIVE ELEMENTS) LF	SNOW/PLOWABLE PAVEMENT MARKERS		
NO		NO			NO					SF	LS	LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	EA	EA	EA		
2016CPT.13.14.10811	Rutherford	1	NC 221A	FROM SR 2144 TO SR 2040 (MP 9.42 - MP 10.08)	1	2	2WU	0.66	24	80	*											6,970	6,970	50		
TOTAL FOR PROJ NO. 2016CPT.13.14.10811										80	1											6,970	6,970	50		
										13,940																
2016CPT.13.14.20811	Rutherford	2	SR 1006	FROM SCL OF BOSTIC TO NCL OF BOSTIC (MP 1.52 - MP 2.56)	2,3,4	2	2WU	1.04	20-36	920	*	640		88	78	4							10,982	10,982	135	
		3	SR 1006	FROM SR 1007 TO SR 1712 (MP 4.50 - MP 6.29)	4	2	2WU	1.79	20															18,902	18,902	235
		4	SR 1006	FROM SR 1712 TO SR 1745 (MP 6.29 - MP 8.38)	4	2	2WU	2.09	20															22,070	22,070	265
		5	SR 1576	FROM SR 1006 TO SR 1595 (MP 2.96 - MP 4.44)	3,4,5	2	2WU	1.48	20-36			70		300		70		4	18	5				15,629	15,629	
		6	SR 1591	FROM US 74 BUS TO SR 1547 (MP 0.00 - MP 1.82)	4,5	2	2WU	1.82	20-22			215				50			12					19,219	19,219	
TOTAL FOR PROJ NO. 2016CPT.13.14.20811												920	1	925	300	88	198	4	4	30	5			86,802	86,802	635
										1,225																
2016CPT.13.14.20812	Rutherford	7	SR 1700	FROM NC 226 TO US 64 (MP 0.00 - MP 4.71)	6	2	2WU	4.71	18	1,248	*										99,475	99,475				
		8	SR 1760	FROM CLEVELAND COUNTY LINE TO SR 1749 (MP 0.00 - MP 2.30)	6	2	2WU	2.3	18														48,576	48,576		
		9	SR 1792	FROM SR 1766 TO SR 1766 (MP 0.00 - MP 1.28)	6	2	2WU	1.28	20														27,034	27,034		
		10	SR 1756	FROM CLEVELAND COUNTY LINE TO SR 1757 (MP 0.00 - MP 1.85)	6	2	2WU	1.85	18														39,072	39,072		
		11	SR 1755	FROM END OF PVMT TO SR 1756 (MP 0.58 - MP 0.68)	6	2	2WU	0.1	18																	
		12	SR 1763	FROM CLEVELAND COUNTY LINE TO SR 1762 (MP 0.00 - MP 0.56)	6	2	2WU	0.56	18														11,827	11,827		