STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

## **DARE**

STATE STATE PROJECT REFERENCE NUMBER		SHEET NO.	
NC	2025CPT.01.02.1	0281	1
STATE PROJECT NUMBER		DESCRIPTION	
2025CPT.01.02.10281 P.E.		P.E. , CON	IST.

TYPE OF WORK: MILLING, RESURFACING, SHOULDER RECONSTRUCTION, & PAVEMENT MARKINGS

МАР	ROUTE	FROM	то
01	US 64	NC 345	Bridge #14 (Melvin R. Daniels Bridge)
02	US 64 Bypass	NC 345	VA Dare Bridge
03	US 64	Pavement Joint	US 64
04	NC 345	Pavement Joint	US 64
05	Sarah Owens Welcome Center		
06	Little Bridge Access	US 64	End of Parking Lot
07	Service Road	Beginning of Pavement	End of Pavement

MAP 7 Mantec MAP 3 Washington Baum Bridge MAP 6 MAP 2 US 64 264 Hwy MAP 1 MAP 4 MAP 5 SR-1134 0.28 0.55 1.1 Miles

(SEE SHEET 1-A FOR INSET DETAIL)

## PROJECT LENGTH

MAP	LENGTH	
01	2.621	
02	0.53	
03	0.23	
04	0.138	

MAP	LENGTH
05	0.65
06	0.03
07	0.07

# Prepared in the Office of: DIVISION OF HIGHWAYS 113 AIRPORT DR., EDENTON, NC 27932

B. N. BRASWELL, PE DIV. PROJ. DEVELOPMENT ENGINEER

M. S. WINSLOW

DIVISION CONTRACT ENGINEER

J. S. ABEL, JR.

DIVISION PROJECT TEAM LEAD

D. H. STALLINGS

DIVISION DESIGN ENGINEER



# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

## **DARE**

ATE STATE PROJECT REFERENCE NUMBER		SHEET NO.
2025CPT.01.02.1	0281	1-A
TATE PROJECT NUMBER	DESCRIPT	NOI
2025CPT.01.02.10281		IST.
	2025CPT.01.02.1	2025CPT.01.02.10281  TATE PROJECT NUMBER DESCRIPT

INSET C - MAP 7

TYPE OF WORK: MILLING, RESURFACING, SHOULDER RECONSTRUCTION, & PAVEMENT MARKINGS

INSET B - MAP 6

INSET A - MAP 5



SARAH OWENS WELCOME CENTER

INSELA MAIS



LITTLE BRIDGE ACCESS

es

SERVICE ROAD

## **INSET DETAIL SHEET**

0 0.02 0.04

Prepared in the Office of:

DIVISION OF HIGHWAYS

113 AIRPORT DR., EDENTON, NC 27932

B. N. BRASWELL, PE
DIV. PROJ. DEVELOPMENT ENGINEER

M. S. WINSLOW

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J. S. ABEL, JR.

DIVISION PROJECT TEAM LEAD

0.02 0.04

D. H. STALLINGS

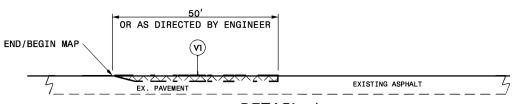
DIVISION DESIGN ENGINEER



	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING ASPHALT PAVEMENT.
V2	MILLING ASPHALT PAVEMENT. 1.5" IN DEPTH.
U	EXISTING PAVEMENT.

PROJECT REFERENCE NO.	SHEET NO.
2025CPT.01.02.10281, ETC.	2

- \* ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- \* EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- \* 1.5" MILLING AND 1.5" OF S9.5C TO BE APPLIED THE FULL WIDTH OF THE ROADWAY



### DETAIL 1

### MAIN LINE MILLING

- NOTE: MAIN LINE MILLING

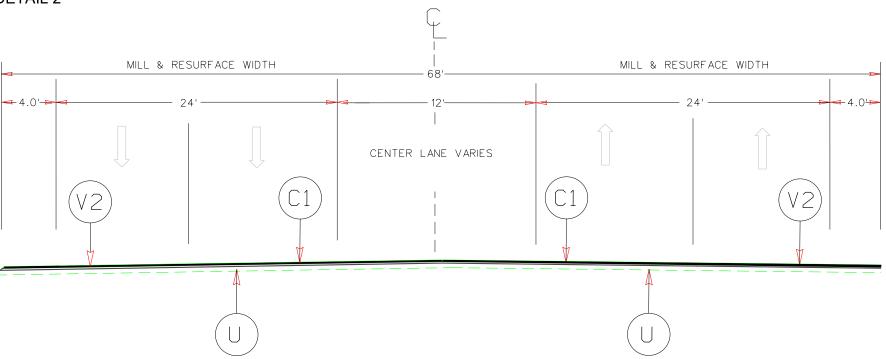
  1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.

  2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.

## LENGTH & WIDTH EXISTING ASPHALT PAVEMENT VARIES — EXISTING SUBGRADE MATERIAL 5.5" MAX. SAW AND REMOVE EXISTING ASPHALT PAVEMENT TO NEAT LINES AND REMOVE EXISTING LOOSE BASE AND/OR SUBGRADE MATERIAL AND REPLACE WITH ASIC TYPE 119.0C OR ASBC B25.0C AS DIRECTED BY THE ENGINEER \*NOTE: EDGES OF PATCHED AREA ARE TO BE CLEANED OF ALL DEBRIS AND COATED WITH AN APPROVED TACK MATERIAL BEFORE PLACING ASPHALT.

### PATCHING EXISTING PAVEMENT (FULL DEPTH)

#### DETAIL 2



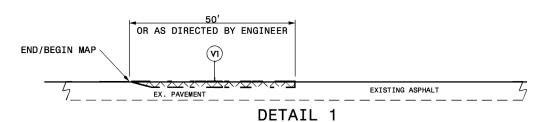
### TYPICAL SECTION NO. 1

USE WITH MAP 1 (STA 0+00 - 46+77) & MAP 1 (BAUM BRIDGE (STA 119+40) - DANIELS BRIDGE (138+40)) USE WITH MAP 2

	PAVEMENT SCHEDULE
В1	PROP. APPROX. 0.75" OPEN GRADE FRICTION COURSE, TYPE FC-1, MODIFIED, AT AN AVERAGE RATE OF 90 LBS. PER SQ. YD.
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING ASPHALT PAVEMENT.
V2	MILLING ASPHALT PAVEMENT. 1.5" IN DEPTH.
V3	MILLING ASPHALT PAVEMENT. 0.75" IN DEPTH.
U	EXISTING PAVEMENT.

PROJECT REFERENCE NO.	SHEET NO.
2025CPT.01.02.10281, ETC.	2-A

- \* ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- \* EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- \* 1.5" MILLING AND 1.5" OF S9.5C TO BE APPLIED THE FULL WIDTH OF THE ROADWAY

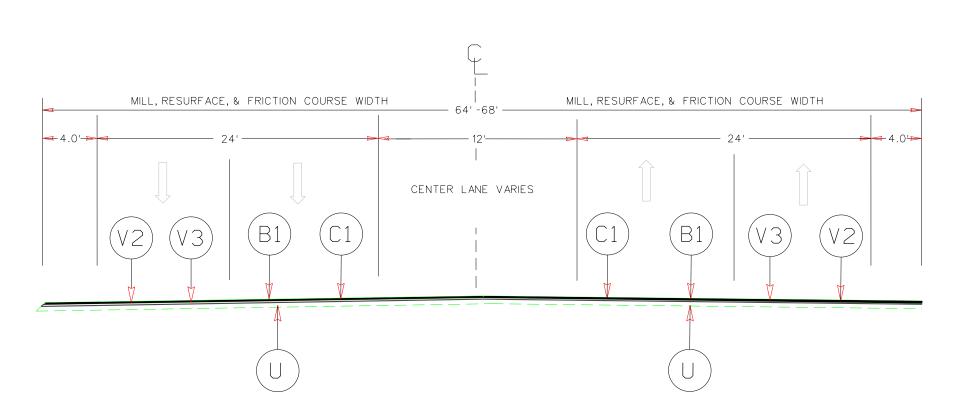


#### MAIN LINE MILLING

- NOTE: MAIN LINE MILLING

  1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS,
  OR AS DIRECTED BY THE ENGINEER.

  2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.



TYPICAL SECTION NO. 1A

USE WITH MAP 1 (STA 46+77 - BAUM BRIDGE (STA 63+77))

LENGTH & WIDTH - EXISTING ASPHALT PAVEMENT EXISTING BASE - EXISTING SUBGRADE MATERIAL 5.5" MAX. SAW AND REMOVE EXISTING ASPHALT
PAVEMENT TO NEAT LINES AND REMOVE
EXISTING LOOSE BASE AND/OR SUBGRADE
MATERIAL AND REPLACE WITH ASIC TYPE 119.0C
OR ASBC B25.0C AS DIRECTED BY THE ENGINEER \*NOTE: EDGES OF PATCHED AREA ARE TO BE CLEANED OF ALL DEBRIS AND COATED WITH AN APPROVED TACK MATERIAL BEFORE PLACING ASPHALT.

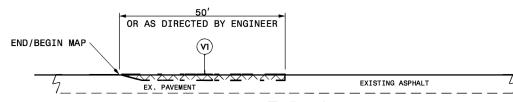
## PATCHING EXISTING PAVEMENT (FULL DEPTH)

DETAIL 2

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING ASPHALT PAVEMENT.
V2	MILLING ASPHALT PAVEMENT. 1.5" IN DEPTH.
U	EXISTING PAVEMENT.

PROJECT REFERENCE NO.	SHEET NO.
2025CPT.01.02.10281, ETC.	3

- \* ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER.
  THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- \* EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- \* 1.5" MILLING AND 1.5" OF S9.5C TO BE APPLIED THE FULL WIDTH OF THE ROADWAY



#### DETAIL 1

#### MAIN LINE MILLING

- NOTE: MAIN LINE MILLING

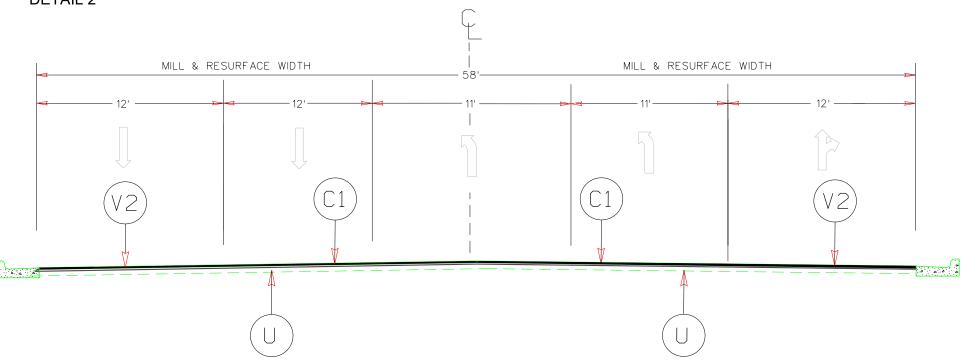
  1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.

  2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.

## LENGTH & WIDTH EXISTING ASPHALT PAVEMENT VARIES --- EXISTING SUBGRADE MATERIAL 5.5" MAX. SAW AND REMOVE EXISTING ASPHALT PAVEMENT TO NEAT LINES AND REMOVE EXISTING LOOSE BASE AND/OR SUBGRADE MATERIAL AND REPLACE WITH ASIC TYPE 119.0C OR ASBC B25.0C AS DIRECTED BY THE ENGINEER \*NOTE: EDGES OF PATCHED AREA ARE TO BE CLEANED OF ALL DEBRIS AND COATED WITH AN APPROVED TACK MATERIAL BEFORE PLACING ASPHALT.

### PATCHING EXISTING PAVEMENT (FULL DEPTH)

DETAIL 2



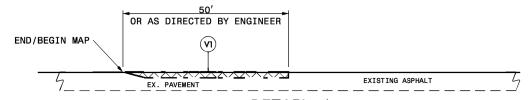
TYPICAL SECTION NO. 2

**USE WITH MAP3** 

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING ASPHALT PAVEMENT.
V2	MILLING ASPHALT PAVEMENT. 1.5" IN DEPTH.
U	EXISTING PAVEMENT.

PROJECT REFERENCE NO.	SHEET NO.
2025CPT.01.02.10281. ETC.	4

- \* ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- \* EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- \* 1.5" MILLING AND 1.5" OF S9.5C TO BE APPLIED THE FULL WIDTH OF THE ROADWAY

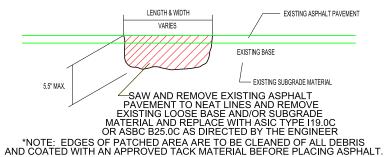


## DETAIL 1

#### MAIN LINE MILLING

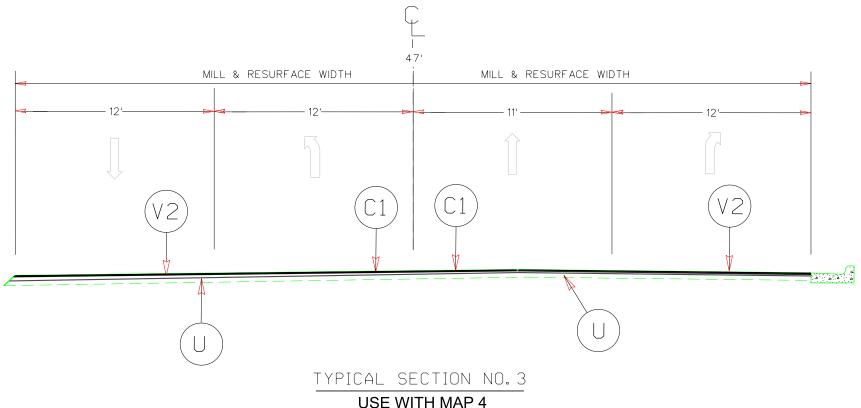
NOTE: MAIN LINE MILLING

1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS,
OR AS DIRECTED BY THE ENGINEER.
2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.



## PATCHING EXISTING PAVEMENT (FULL DEPTH)

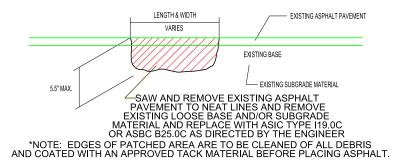
DETAIL 2



	PAVEMENT SCHEDULE
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
V3	MILLING ASPHALT PAVEMENT. 1.25" IN DEPTH.
U	EXISTING PAVEMENT.

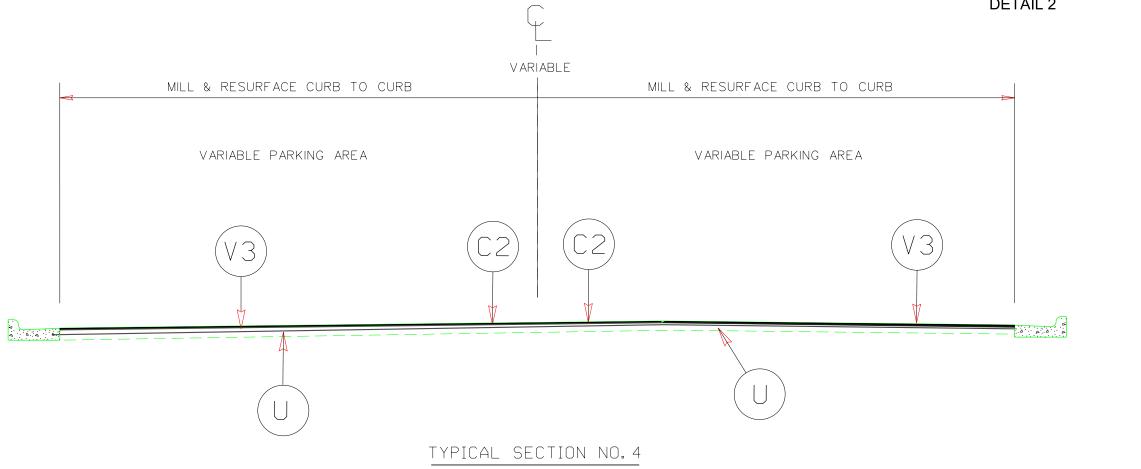
PROJECT REFERENCE NO.	SHEET NO.
2025CPT.01.02.10281, ETC.	5

- \* ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- \* EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- \* 1.25" MILLING AND 1.25" OF S9.5B TO BE APPLIED THE FULL WIDTH OF THE ROADWAY AND PARKING AREAS



## PATCHING EXISTING PAVEMENT (FULL DEPTH)

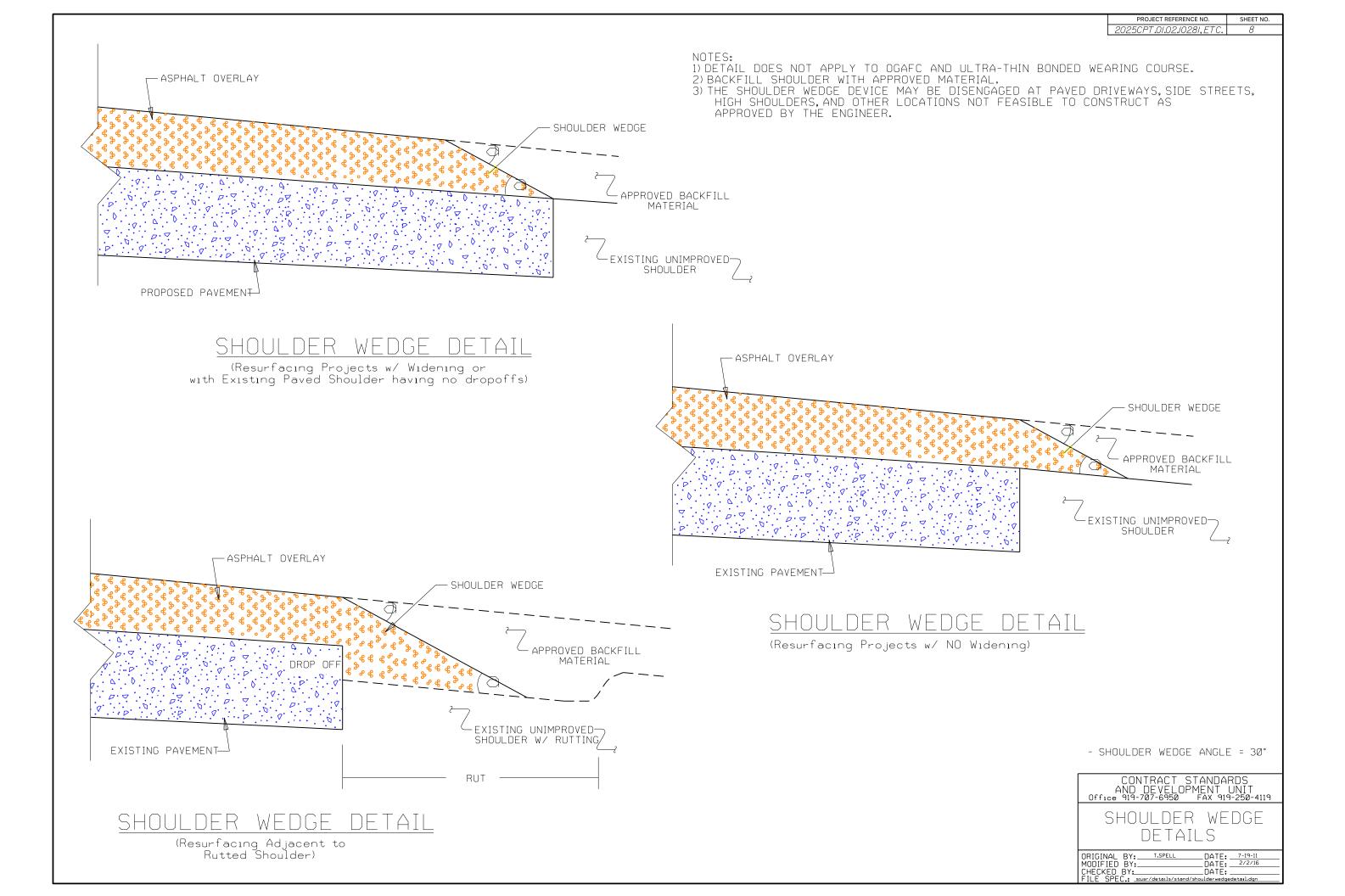
DETAIL 2



USE WITH MAP 5 SARAH OWENS WELCOME CENTER

					0.1557.110
	PAVEMENT	SCHEDULE	NOTES:	PROJECT REFERENCE NO. 2025CPT.01.02.10281, ETC.	SHEET NO.
C2	PROP. APPROX. 1.25" ASPHAL AT AN AVERAGE RATE OF 138	T CONCRETE SURFACE COURSE, TYPE S9.5B, LBS. PER SQ. YD.	* ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH OMAIN LINE OR INTERSECTING PAVED ROADWAY.		
V1	INCIDENTAL MILLING ASPHAL	T PAVEMENT	* EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES IN THE SUMMARY OF QUANTITIES.  * 1.25" OF \$9.5B TO BE APPLIED THE FULL WIDTH OF THE PARKING AREA	ARE INCLUDED	
Т	SHOULDER RECONSTRUCTIO	N	1.20 OF GO.OB TO BE AFFEILD THE FOLL WIDTH OF THE FARKING AREA	`	
U	EXISTING PAVEMENT.		OR AS DIRECT	SO' EED BY ENGINEER  (V)	
SHOULDE	T T	RESURFACE PARKING AREA  C2	7 <u>ex. pavement</u>	DETAIL 1  MAIN LINE MILLING  MILLING AT THE ENDS OF MAIN LINE SECTIONS, IE ENGINEER. HE MILLED SURFACE TO CREATE A SMOOTH TRANSIT	
			RECREATIONAL ACCESS		

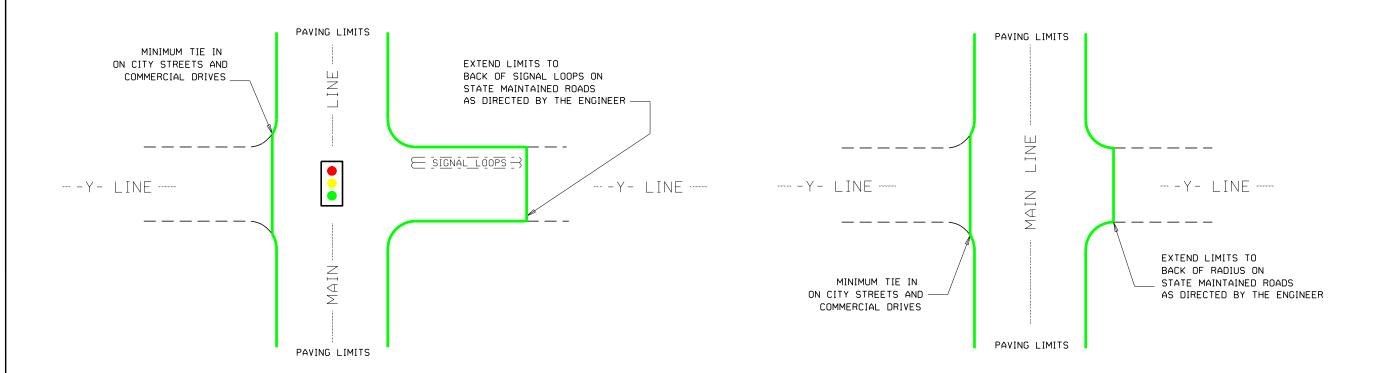
	PAVEMENT	S C H E D U L E	NOTES:	PROJECT REFERENCE NO.	SHEET NO.
C3	PROP. APPROX. 1.5" ASPHALT CO AT AN AVERAGE RATE OF 165 LB	ONCRETE SURFACE COURSE, TYPE S9.5B, S. PER SQ. YD.	* ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON	2025CPT.01.02.10281, ETC.   THEIR RADII, I THE	
V1	INCIDENTAL MILLING ASPHALT	PAVEMENT	MAIN LINE OR INTERSECTING PAVED ROADWAY.  * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARI IN THE SUMMARY OF QUANTITIES.		
Т	SHOULDER RECONSTRUCTION		* 1.5" OF S9.5B TO BE APPLIED THE FULL WIDTH OF THE ROADWAY		
U	EXISTING PAVEMENT.		END/BEGIN MAP	BY ENGINEER	
			NOTE:  1. INCLUDES INCIDENTAL MIL OR AS DIRECTED BY THE E	DETAIL 1  MAIN LINE MILLING  LLING AT THE ENDS OF MAIN LINE SECTIONS, ENGINEER.  MILLED SURFACE TO CREATE A SMOOTH TRANSIT	
		RESURF ACE	18'± RESURFACE	Σ	
SHOULD	DER RECONSTRUCTION	C3	(C3)	T SHOULDER REC	CONSTRUCTION
		U	U		
			TYPICAL SECTION NO. 6  USE WITH MAP 7 SERVICE ROAD		



2025CPT.01.02.10281	8-A
PROJECT REFERENCE NO.	SHEET NO.

TYPICAL DETAIL OF PROJECT LIMITS AT

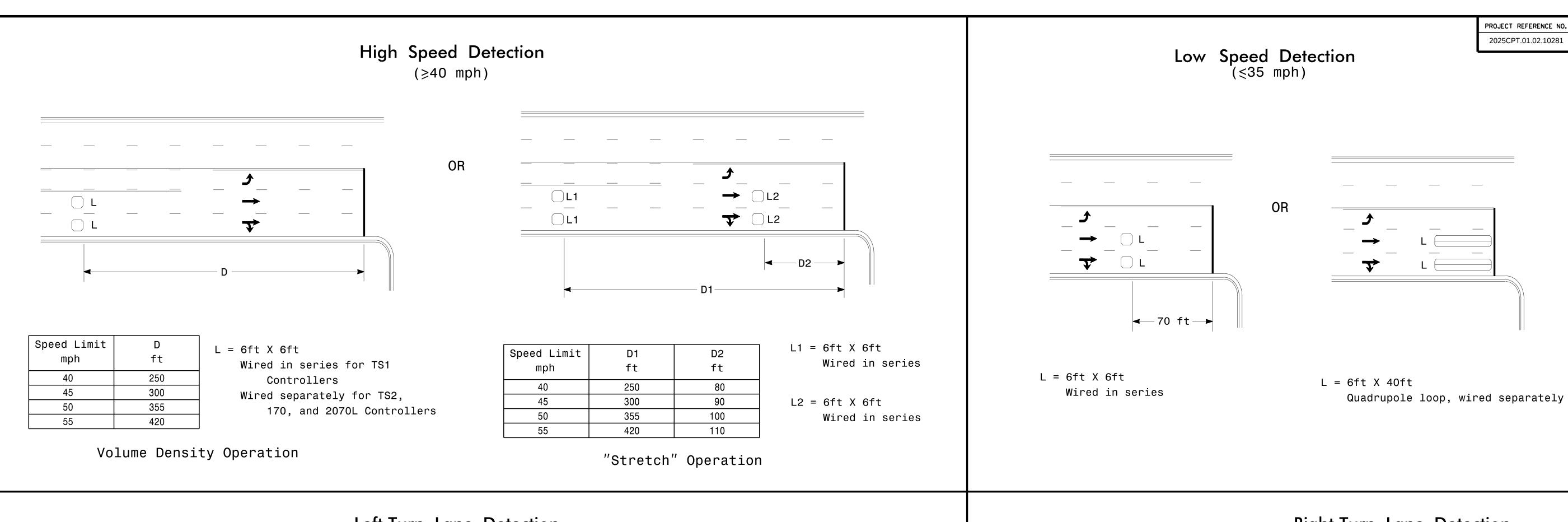
UNSIGNALIZED Y LINES

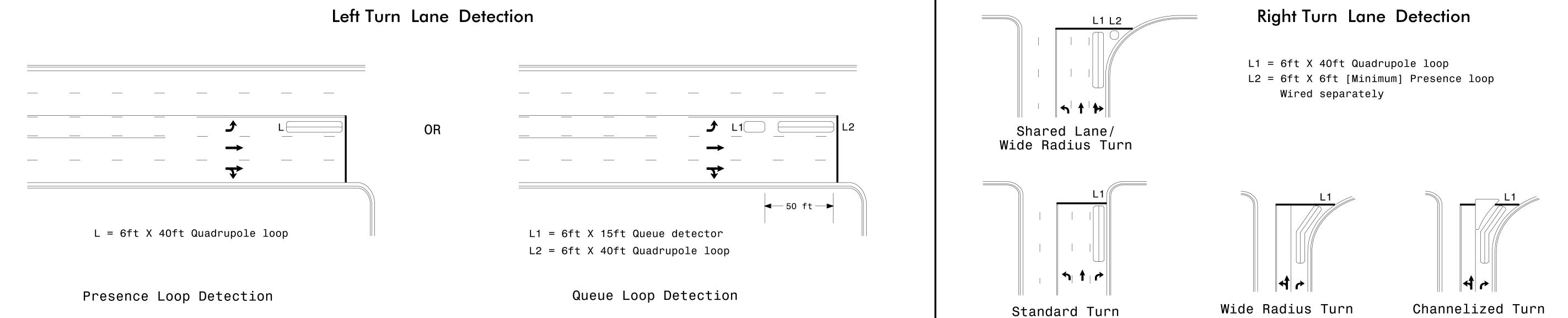


TYPICAL DETAIL OF PROJECT LIMITS AT

SIGNALIZED Y LINES

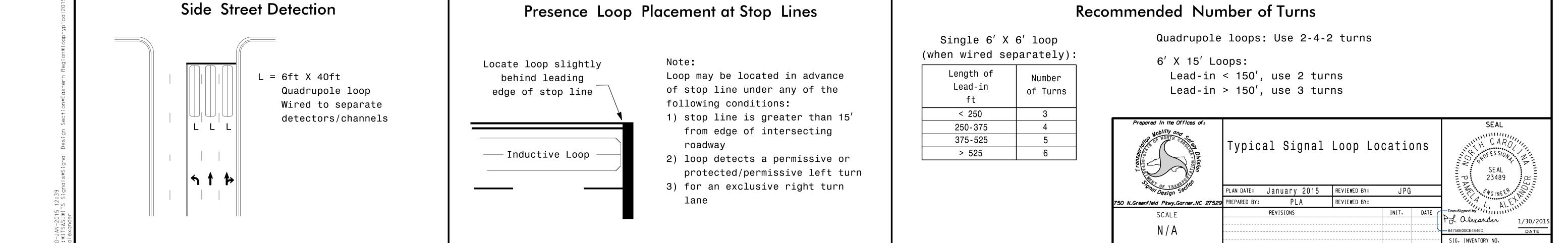
ADDITIONAL INTERSECTIONS (NON-TYPICAL)													
	Extend paving limits to back of radius or loop on the following intersections:												
MAP#	STREET NAME	COMMENTS											
1	PIRATES WAY	PAVE TO BACK OF LOOPS											
1	BOAT RAMP	PAVE TO BACK OF LOOPS											
1	SERVICE ROAD	PAVE BOTH INTERSECTIONS & SERVICE RD											
1	SOUTH MARINA DRIVE	PAVE TO BACK OF RADIUS											
1	LITTLE BRIDGE REC. ACCESS	PAVE DRIVEWAY & PARKING AREA											
2	SARAH OWENS WELCOME CENTER	PAVE ENTRANCE, EXIT, & PARKING AREA											
3	RUSSELL TWIFORD RD	PAVE TO BACK OF RADIUS											
3	BERRY DRIVE	PAVE TO BACK OF PEDESTRIAL TRAIL (JOINT)											
3	MARSHALL C. COLLINS DRIVE	PAVE TO BACK OF RADIUS											





PROJECT REFERENCE NO.

2025CPT.01.02.10281



PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.01.02.10281	10	

## SUMMARY OF QUANTITIES

															0000100000-N	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1297000000-E	1297000000-E	1330000000-E	1519000000-E	1523000000-E	1524000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO		TYPE	SURFACE	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BEGIN MP	END MP	MATERIAL TRANSFER VEHICLE REQUIRED		BORROW EXCAVATION		SHOULDER RECONSTRUCTION	MILLING ASPHALT PAVEMENT (0.75")	MILLING ASPHALT PAVEMENT (1.5")	MILLING ASPHALT PAVEMENT, (1.25")	INCIDENTAL MILLING		ASPHALT CONC SURFACE COURSE, S9.5C	ASPHALT CONC LEVELING COURSE,
										МІ	FT				LS	СУ	TONS	SMI	SY	SY	SY	SY	TONS	TONS	TONS
2025CPT.01.02.10281	Dare	1	US-64	FROM NC 345 TO BRIDGE #14 (MELVIN R. DANIELS BRIDGE)	1, 1A	4-5	MD	NO	NO	2.61	68	25.12	27.733	YES	1				15,000	68,133		5,475		6,519	50
2025CPT.01.02.10281	Dare	2	US-64 BYP	FROM NC 345 TO VA DARE BRIDGE	1	4	MD	NO	NO	0.52	68	5.356	5.88	YES	*					20,597		569		1,749	50
2025CPT.01.02.10281	Dare	3	US-64	FROM US 64 BYP TO PAVEMENT JOINT	2	5	2WU	NO	NO	0.23	58	24.88	25.11	NO	*					7,281		457		716	
2025CPT.01.02.10281	Dare	4	NC-345	FROM US 64 BYP TO PAVEMENT JOINT	3	3	2WU	NO	NO	0.14	47	4.72	4.858	NO	*		75			3,805		1,331		506	
2025CPT.01.02.10281	Dare	5	SARAH OWENS WELCOME CENTER	FROM US 64 TO US 64	4	2		NO	NO	0.65	28	0	0.65	NO	*						10,416		788		
2025CPT.01.02.10281	Dare	6	LITTLE BRIDGE ACCESS	FROM US 64 TO END OF PARKING LOT	5	2		NO	NO	0.03	140	0	0.03	NO	*	8		0.07				282	160		
2025CPT.01.02.10281	Dare	7	SERVICE ROAD	FROM BEGINNING OF PAVEMENT TO END OF PAVEMENT	6	2	2WU	NO	NO	0.07	18	0	0.07	NO	*	12	6	0.14					98		
тот	AL FOR P	ROJ NO. 202	5CPT.01.02.10281				+			4.26	-	-		+	*	20	81	0.21	15,000	99,816	10,416	8,114	1,046	9,490	100
											1														
		GRANDTO	)TAL							4.26					1	20	81	0.21	15,000	99,816	10,416	8,114	1,046	9,490	100

## SUMMARY OF QUANTITIES

	v														1575000000-E	1577000000-E	1662000000-E	1705000000-E	2830000000-N	2845000000-N	6084000000-E	6117000000-N	7324000000-N	7444000000-E	7456100000-E
PROJECT NO	COUNT	Y MAP N	O ROUTE	DESCRIPTION	TYP NO	LANES	LANE	FINAL	WARM MIX	LENGTH	WIDTH	BEGIN ME	END MP	MATERIAL	ASPHALT BINDER FOR	POLYMER MODIFIED	OPEN-GRADED	PATCHING EXISTING	ADJUSTMENT OF	F ADJUSTMENT OF	SEEDING &	RESPONSE FOR	JUNCT BOX (STD	INDUCTIVE	LEAD-IN CABLE (14-
							TYPE	SURFACE	ASPHALT					TRANSFER	PLANT MIX	ASPHALT BINDER FOR	ASPHALT FRICTION	PAVEMENT (FULL	MANHOLES	METER OR VALVE	MULCHING	EROSION CONTROL	SIZE)	LOOP SAWCUT	2)
								TESTING	REQUIRED					VEHICLE		PLANT MIX	COURSE, FC-1	DEPTH)		BOXES					
								REQUIRED						REQUIRED			MODIFIED								
										М.	FT	1	-						<u> </u>						<del></del>
	+	_		50011100015T0 DDID 05 111 (11511111 D			-			MI	FI		-		TONS	TON	TONS	TON	EA	EA	ACR	EA	EA	LF	LF
				FROM NC 345 TO BRIDGE #14 (MELVIN R.					1																
2025CPT.01.02.1028	L Dare	1	US-64	DANIELS BRIDGE)	1, 1A	4-5	MD	NO	NO	2.61	68	25.12	27.733	YES	388	46	743		1	2			3	690	412
2025CPT.01.02.1028	L Dare	2	US-64 BYP	FROM NC 345 TO VA DARE BRIDGE	1	4	MD	NO	NO	0.52	68	5.356	5.88	YES	106								1	255	185
2025CPT.01.02.1028	L Dare	3	US-64	FROM US 64 BYP TO PAVEMENT JOINT	2	5	2WU	NO	NO	0.23	58	24.88	25.11	NO	42									495	118
2025CPT.01.02.1028	L Dare	4	NC-345	FROM US 64 BYP TO PAVEMENT JOINT	3	3	2WU	NO	NO	0.14	47	4.72	4.858	NO	30								1	1,050	90
2025CPT.01.02.1028	L Dare	5	SARAH OWENS WELCOME CENTER	FROM US 64 TO US 64	4	2		NO	NO	0.65	28	0	0.65	NO	52			15							
2025CPT.01.02.1028	L Dare	6	LITTLE BRIDGE ACCESS	FROM US 64 TO END OF PARKING LOT	5	2		NO	NO	0.03	140	0	0.03	NO	10						0.1				
				FROM BEGINNING OF PAVEMENT TO END OF																					
2025CPT.01.02.1028	L Dare	7	SERVICE ROAD	PAVEMENT	6	2	2WU	NO	NO	0.07	18	0	0.07	NO	6						0.1	1			
т	TAL EOD I	מאוחם	025CPT.01.02.10281							4.26					634	46	743	15	1	2	0.2	1	5	2,490	805
	JIALIONI	r NOJ NO. 2	023GF 1.01.02.10281																						
		GRAND	TOTAL	_						4.26					634	46	743	15	1	2	0.2	1	5	2,490	805
		GRAND	IOIAL																						

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.01.02.10281	11	

## THERMOPLASTIC AND PAINT QUANTITIES

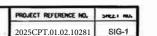
												4413000000-E	4457000000-N	468500	0000-E	46880	00000-E	4695000000-E	4700000000-E	4709000000-E	4720	000000-E	4720000000-E	4720000000-E	4720000000-E
PROJECT NO	COLL	NTY N	MAP NO	ROUTE	DESCRIPTION	TYP NO	IANES LANE	LENGTH	WIDTH	REGIN MP	FND MP	WORK ZONE ADVANCE	TEMPORARY TRAFFIC	THERMOPLASTIC	THERMOPLASTIC	THERMOPLASTIC	THERMOPLASTIC	THERMOPLASTIC		THERMO PAVEMENT			THERMO PAVEMENT	THERMOPLASTIC	THERMOPLASTIC
1 110,201.110	000.	····   ·		110012	DECOMM HON		TYPE	22.10	***************************************	D20	2.1.2	/ GENERAL WARNING	CONTROL	PAVEMENT MARKING					PAVEMENT MARKING		MARKING CHARACTER		MARKING	PAVEMENT	PAVEMENT MARKING
							11172					SIGNING	CONTROL	LINES (4", 90 MILS)		LINES (6", 90 MILS)		LINES (8", 90 MILS)	-	90 MILS)	(90 MILS), MANTEO	(90 MILS), MANTEO	CHARACTER (90	MARKING	CHARACTER (90
												SIGNING					, , ,		LINES (12, 90 MILS)	90 141123)		, ,,			
														WHITE	90 MILS) YELLOW	WHITE	YELLOW	WHITE			RIGHT LANE	LEFT LANE	MILS), BIKE ONLY	CHARACTER (90	MILS), STOP
																								MILS), ONLY	1
																									<u> </u>
								MI	FT			SF	LS	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA
					FROM NC 345 TO BRIDGE #14 (MELVIN R. DANIELS																				1
2025CPT.01.02.10	281 Da	re	1	US-64	BRIDGE)	1, 1A	4-5 MD	2.61	68	25.12	27.733	150	1			26,856	28,760		825	393	15		48		
2025CPT.01.02.10	281 Da	re	2	US-64 BYP	FROM NC 345 TO VA DARE BRIDGE	1	4 MD	0.52	68	5.356	5.88	118	*			7,450	1,488		60			14			
2025CPT.01.02.10	281 Da	re	3	US-64	FROM US 64 BYP TO PAVEMENT JOINT	2	5 2WU	0.23	58	24.88	25.11	144	*			1,571	2,505			37				12	1
2025CPT.01.02.10	281 Da	re	4	NC-345	FROM US 64 BYP TO PAVEMENT JOINT	3	3 2WU	0.14	47	4.72	4.858	118	*			1,474	2,466		30						
2025CPT.01.02.10	281 Da	re	5	SARAH OWENS WELCOME CENTER	FROM US 64 TO US 64	4	2	0.65	28	0	0.65		*	2,613	305			110		50					
2025CPT.01.02.10		re	6	LITTLE BRIDGE ACCESS	FROM US 64 TO END OF PARKING LOT	5	2	0.03	140	0	0.03		*	892											8
					FROM BEGINNING OF PAVEMENT TO END OF																				
2025CPT.01.02.10	281 Da	re	7	SERVICE ROAD	PAVEMENT	6	2 2WU	0.07	18	0	0.07		*												i '
								4.26			0.0.	530	*	3.505	305	37.351	35.219	110	915	480	15	14	48	12	8
	TOTAL FO	R PROJ	J NO. 2025	CPT.01.02.10281		- t						230		3.8			.570					29	†		
														0,0	Ī	†	1					ī	1		<u> </u>
								4.26				E20	1	2 505	205	27 251	25 210	110	015	400	15	14	40	12	
		GI	RAND TOT	AL				4.20				530	1					110	315	400	15	14	07	12	
		GI	RAND TOT	AL				4.26				530	1	3,505	305 310	37,351 72	35,219 ,570	110	915	480	15	14	48 97	12	<u>L</u>

## THERMOPLASTIC AND PAINT QUANTITIES

										4725000000-E	4725000000-E	4725000000-E			47250	00000-E			481000	00000-E
PROJECT NO	COUNTY MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES LAI	NE LENG	H WIDTH	H BEGIN MP	END MP	THERMO PAVEMENT	THERMO PAVEMENT	THERMO PAVEMENT	THERMOPLASTIC	THERMOPLASTIC	THERMOPLASTIC	THERMOPLASTIC	THERMOPLASTIC	THERMOPLASTIC	PAINT PAVEMENT	PAINT PAVEMENT
					TY	PE				MARKING SYMBOL (90	MARKING SYMBOL (90	MARKING SYMBOL	PAVEMENT	PAVEMENT MARKING	MARKING LINES (4")	MARKING LINES (4")				
										MILS), HANDICAP	MILS), BIKE FIGURE	(90 MILS), 24" YIELD	MARKING SYMBOL	SYMBOL (90 MILS),	WHITE	YELLOW				
										FIGURE		LINE	(90 MILS), LT	STR ARROW	RTARROW	STR & RT ARROW	STR & LT ARROW	LT & RT ARROW		i
													ARROW							i
							_													
						MI	FT			EA	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF
			FROM NC 345 TO BRIDGE #14 (MELVIN R. DANIELS																	1
2025CPT.01.02.10281	Dare 1	US-64	BRIDGE)	1, 1A	4-5 M	D 2.61	68	25.12	27.733		6		18	14	7	1				
2025CPT.01.02.10281	Dare 2	US-64 BYP	FROM NC 345 TO VA DARE BRIDGE	1	4 M	D 0.52	68	5.356	5.88				4	7	2	3				1
2025CPT.01.02.10281	Dare 3	US-64	FROM US 64 BYP TO PAVEMENT JOINT	2	5 2V	/U 0.23	58	24.88	25.11			6	11	2		4				i
2025CPT.01.02.10281	Dare 4	NC-345	FROM US 64 BYP TO PAVEMENT JOINT	3	3 2V	/U 0.14	47	4.72	4.858			8	3	3	3					
2025CPT.01.02.10281	Dare 5	SARAH OWENS WELCOME CENTER	FROM US 64 TO US 64	4	2	0.65	28	0	0.65	4			1	16			2	2	2,613	305
2025CPT.01.02.10281	Dare 6	LITTLE BRIDGE ACCESS	FROM US 64 TO END OF PARKING LOT	5	2	0.03	140	0	0.03	2			1	1	1				892	
			FROM BEGINNING OF PAVEMENT TO END OF																	Í
2025CPT.01.02.10281	Dare 7	SERVICE ROAD	PAVEMENT	6	2 2V	/U 0.07	18	0	0.07											1
TOT	AL FOR PROLING 20	25CPT.01.02.10281				4.26				6	6	14	38	43	13	8	2	2	3,505	305
101	ALTONT NOT NO. 20	2301 1.01.02.10201													:	106			3,8	310
			·																	i .
	GRAND T	OTAL	_			4.26				6	6	14	38	43	13	8	2	2	3,505	305
	GRANDI	OTAL												132					3,8	310

## THERMOPLASTIC AND PAINT QUANTITIES

											48150	00000-E	4820000000-E	4825000000-E	4835000000-E	48400	00000-N			484500	0000-N			4905100000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES LA	ANE LE	NGTH WII	TH BEGIN M	P END MP	PAINT PAVEMENT	PAINT PAVEMENT	PAINT PAVEMENT	PAINT PAVEMENT	PAINT PAVEMENT	PAINT PAVEMENT	PAINT PAVEMENT	PAINT PAVEMENT	PAINT PAVEMENT	PAINT PAVEMENT	PAINT PAVEMENT	PAINT PAVEMENT	PAINT PAVEMENT	NON-CAST IRON
						T	YPE				MARKING LINES (6")	MARKING LINES (6")	MARKING LINES (8")	MARKING LINES	MARKING LINES	MARKING	MARKING	MARKING SYMBOL	MARKING SYMBOL	MARKING SYMBOL (RT	MARKING SYMBOL (STR	MARKING SYMBOL	MARKING SYMBOL	SNOWPLOWABLE
											WHITE	YELLOW	WHITE	(12")	(24")	CHARACTER (MSG	CHARACTER (MSG	(LT ARROW)	(STR ARROW)	ARROW)	& RT ARROW)	(STR & LT ARROW)	(LT & RT ARROW)	PAVEMENT MARKER
														, ,	, ,	ONLY)	STOP)	, ,		, and the second	,	,		1
																,	,							1
								MI F	т		LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA
				FROM NC 345 TO BRIDGE #14 (MELVIN R. DANIELS																				ĺ
2025CPT.01.02.10281	Dare	1	US-64	BRIDGE)	1, 1A	4-5	MD 2	2.61 6	8 25.12	27.733	26,856	28,760		825	393			18	14	7	1			411
2025CPT.01.02.10281	Dare	2	US-64 BYP	FROM NC 345 TO VA DARE BRIDGE	1	4 1	MD (	0.52 6	8 5.356	5.88	7,450	1,488		60	60			4	7	2	3			139
2025CPT.01.02.10281	Dare	3	US-64	FROM US 64 BYP TO PAVEMENT JOINT	2	5 2	WU (	0.23 5	8 24.88	25.11	1,571	2,505			37	12		11	2		4			61
2025CPT.01.02.10281	Dare	4	NC-345	FROM US 64 BYP TO PAVEMENT JOINT	3	3 2	WU (	0.14 4	7 4.72	4.858	1,474	2,466		30	62			3	3	3				66
2025CPT.01.02.10281	Dare	5	SARAH OWENS WELCOME CENTER	FROM US 64 TO US 64	4	2	(	0.65 2	8 0	0.65			110		50			1	16			2	2	ĺ
2025CPT.01.02.10281	Dare	6	LITTLE BRIDGE ACCESS	FROM US 64 TO END OF PARKING LOT	5	2	(	0.03 14	10 0	0.03							8	1	1	1				ĺ
				FROM BEGINNING OF PAVEMENT TO END OF																				İ
2025CPT.01.02.10281	Dare	7	SERVICE ROAD	PAVEMENT	6	2 2	WU (	0.07 1	8 0	0.07														1
TO	TAL FOR DE	OLNO 2021	5CPT.01.02.10281				4	4.26			37,351	35,219	110	915	602	12	8	38	43	13	8	2	2	677
10	IAL I JN FR	107 110. 202	501 1.01.02.10201								72,	,570					20		•	1	06	•		
			·									·												1
		GRAND TO	TAI				4	4.26			37,351	35,219	110	915	602	12	8	38	43	13	8	2	2	677
		GRAND IO	IAL																					



#### 6 Phase **Fully Actuated** Isolated

#### **NOTES**

- 1. Refer to "Roadway Standard Drawings NCDOT" dated July 2006 and "Standard Specifications for Roads and Structures" dated July 2006.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Enable Added Extension for phases 3 and 4.
- Program controller for split side street backup logic (see Electrical Details).
- 5. Phase 1 and/or phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- 7. Set all detector units to presence mode.
- 8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

**LEGEND** 

Traffic Signal Head Modified Signal Head

Sign Pedestrian Signal Head With Push Button & Sign

Signal Pole with Guy

Signal Pole with Sidewalk Guy

Controller & Cabinet

Junction Box

Right of Way

Directional Arrow

"YIELD" Sign (R1-2)

in Underground Conduit

Inductive Loop Detector

9. Closed loop system data: Controller Asset #0319.

I	NDUCTI	VE LOC	PS		DET	ECT	OR	P	ROGRAM	MING		
LOOP	SLZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	-	1	Y	Y	-		3	-	-
2A	6X6	420	5	-	2	Y	Y	-	-	100	-	-
2B	6X6	420	5	-	2	Y	Y	-	35.1		-	-
3A	6X40	0	2-4-2	-	3	Y	Y	-	20	3	-	-
3B	6X40	0	2-4-2	-	3	Y	Y	-	7	*	-	-
3C	6X40	0	2-4-2	-	3	Y	Y	-	-	*	-	-
4A	6X40	0	2-4-2	-	4	Y	Y	-	120	3	-	-
4B	6X40	0	2-4-2	-	4	Y	Y	-	3.0	(4)	-	-
5A	6X40	0	2-4-2	-	5	Y	Y	-	570	3	-	-
6A	6X6	420	6	-	6	Y	Y	-			-	-
6B	6X6	420	6	-	6	Y	Y	-	-		-	-

US 64-264

SIGNAL FACE 11 21,22 31,32 33,34 41 42 RRRRRGR 51 ----61,62 R G R G R R Y

TABLE OF OPERATION

#### SIGNAL FACE I.D.

All Heads L.E.D.







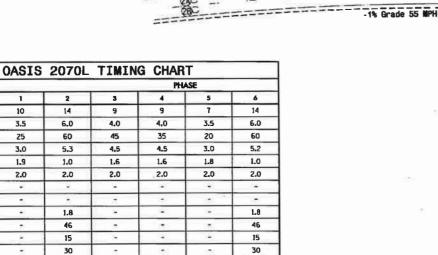


METAL POLE #1 R-25518

METAL POLE #3

31, 32 61, 62

	91				
					æ
		-==	==:		===
-			100	-	_ i
9				1	-
=		- 24	Ē.		
	-	- 31	2_	-==	



3.4

SOFT RECALL

YELLOW

ON

PHASING DIAGRAM

PHASING DIAGRAM DETECTION LEGEND

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

DETECTED MOVEMENT

<---> PEDESTRIAN MOVEMENT

10

3.5

25

3.0

1.9

2.0

14

6.0

60

5.3

1.0

2.0

1.8

46

15

30

3.4

SOFY RECALL

YELLOW

Ø2+6

02+5

Ø1+6

 $\boxtimes$ N/A Plan of Record (A) REPARED BY: G.D. Bruns DATE: December 2010 REVIEWED BY: P.L.Alexander DATE: August 2011 "his plan of record reflects existing field conditions as a field personnel. This plan may have been mouldled from tisoriginal andle.

US 64/US 64-264 Bypass at US 64-264/NC 345

PROPOSED

Division 1 Dare County PLIN DATE: JEHUARY 2006 REVIEWED BY: M Mahbooba

Not a certified document This document originally issued and sealed by

on 2/27/2006. This document shall not be sidered a certifled

EXISTING

N/A

MARKET NO. 01-0319

FEATURE

Min Green 1 "

Extension 1 \*

Max Green 1 \*

Yallow Classon

Red Clearance

Red Revert

Walk 1 \*

Don't Walk 1

Seconds Per Actualis

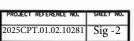
Max Variable Initial \* ima Before Reduction

Time To Reduce 1

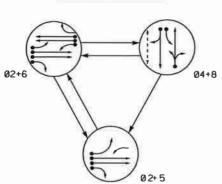
Ainimum Gap

Vehicle Call Memor

Recoil Mode



## PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

TABLE OF	OP	ERA	TIO	N
	Т	PH/	SE	П
SIGNAL FACE	Ø 2+ 5	Ø2+6	Ø 4 + 8	FLASH
21,22	G	G	R	Υ
41,42	R	R	G	R
51	-	Ę	<del>.R</del>	-Y
61	÷.	÷	<del>-R</del> -	-Y
62,63	R	G	R	Υ
81,82	R	R	G	R
P41,P42	D₩	D₩	W	DRK

# SIGNAL FACE I.D. All Heads L.E.D. All Signal Heads are Tethered

<b>⊕</b>	
12"	
$\bigoplus$	
$\bigcirc$	



41, 42 62, 63

81, 82



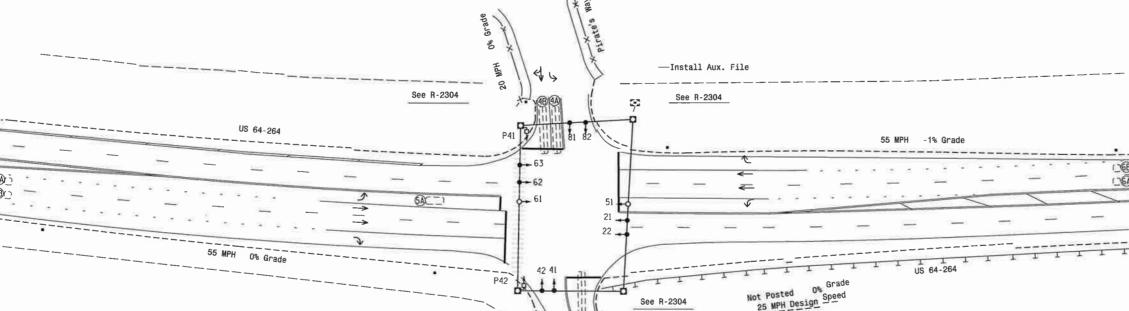
7	NDUCTI	VE LO	)PS		DETI	ECT	OR	P	ROGRAN	MING	Γ	_
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELA	STRETCH	DELAY T <sub>,</sub> ME	SYSTEM LOOP	NEW CARD
2A	6X6	420	5	-	2	Y	Y	-	-	-	-	-
2B	6X6	420	5	-	2	Y	Y		-		-	-
4A	6X40	+5	2-4-2	-	4	Y	Y	-		3	-	
4B	6X40	+5	2-4-2		4	Y	Y	-	-	10	-	-
5A	6X15	50	3	-	5	Y	Y			10	-	
6A	6X6	420	5		6	Y	Y	-		-		-
6B	6X6	420	5		6	Y	Y	-		-	-	-
A8	6X40	+5	2-4-2	-	8	v	·	-	100	10		

#### 3 Phase Fully Actuated Isolated

#### NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Disable Backup Protection for phase 2.
- 4. Phase 5 may lag.
- Set all detector units to presence mode.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 7. Pavement markings are existing.

UNDETECTED MOVEMENT (OVERLAP)
UNSIGNALIZED MOVEMENT
PEDESTRIAN MOVEMENT



See R-2304

		70 TIN			
			PHASE		
FEATURE	2	4	5	6	8
Min Green 1 *	14	7	8	14	7
Extension 1 *	6.0	2.0	2.0	6.0	2.0
Max Green 1 *	100	25	15	100	25
Yellow Clearance	5.3	3.0	3.0	5.3	3.2
Red Clearance	1.2	3.3	2.6	1.2	3,1
Walk 1 *		7	-	2	
Don't Walk 1		30	(*)		- 5
Seconds Per Actuation *	1.5	20	050	1.5	-
Max Variable Initial •	46	(#).		46	*
Time Before Reduction *	15	15%	027	15	÷
Time To Reduce *	30	3#7		30	-
Minimum Gap	3.4	120	0#	3.4	÷
Recall Mode	MIN RECALL	<b>3</b>	(e)	MIN RECALL	
Vehide Call Memory	YELLOW	121	· 1	YELLOW	- 2
Dual Entry	-	ON	584		ON
Simultaneous Gap	ON	ON	ON	ON	ON

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

EXISTING PROPOSED 0-Traffic Signal Head . 0-Modified Signal Head N/A Sign ₽ Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Metal Strain Pole Inductive Loop Detector Controller & Cabinet Junction Box 2-in Underground Conduit N/A Right of Way Directional Arrow N/A Fence

LEGEND

Signal U<sub>pg</sub>rade



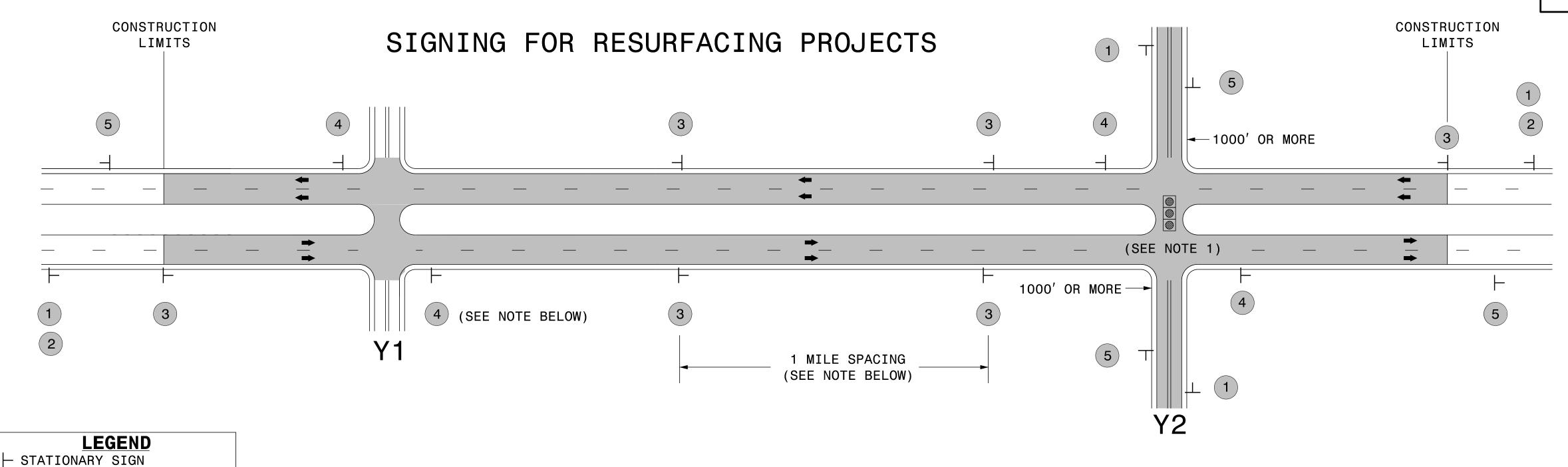
US 64 - 264 at Boat Ramp/Pirate's Way

Division 1 Dare County on JP Ge Hante or EN Winshew Reversors Int. Oale



is 14:05 ⊭ITS Signals⊛Signal Design Section⊕Eastern Region®Jiv–Di⊕01–0531⊕010531\_sig\_dsn\_2015π

PROJ. REFERENCE NO. TMP-1 2025CPT.01.02.10281



# ← DIRECTION OF TRAFFIC FLOW

**ROAD** 

UNDER

END

ROAD WORK

G20–2 A

48" X 24"

SO

# MAINLINE (-L-) SIGNING

EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT

SP 13106 48" X 48" INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.

PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.

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

# PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. O AHEAD W20-1 ND XX MILES 24" X 18" ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS) A RE PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART LOW/SOFT THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET $\frac{1}{2}$ MILE FROM THE SHOULDER / CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER. NO ER 48'' X 48'' IGNING THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM

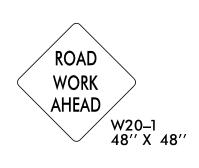
NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE

-Y- LINE SIGNING

- 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.

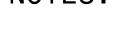


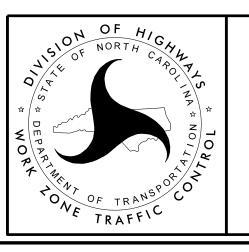


PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

## NOTES:

1) 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.



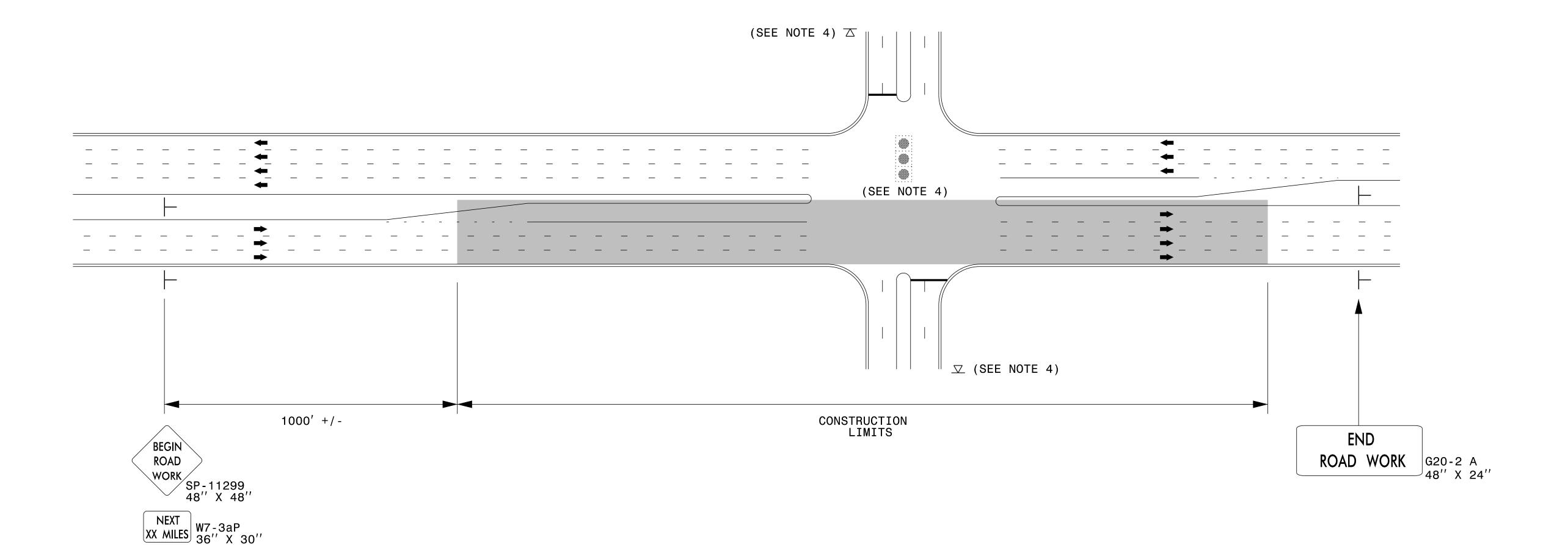


RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN MULTI-LANE ROADWAYS W/ SHOULDER SECTIONS

 PROJ. REFERENCE NO.
 SHEET NO.

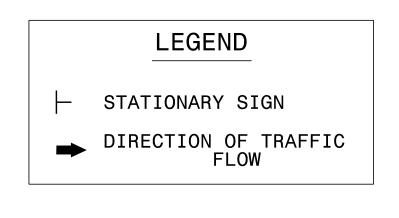
 2025CPT.01.02.10281
 TMP-2

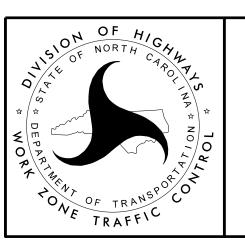
# URBAN / SUBURBAN WORKZONES



## 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.





RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES