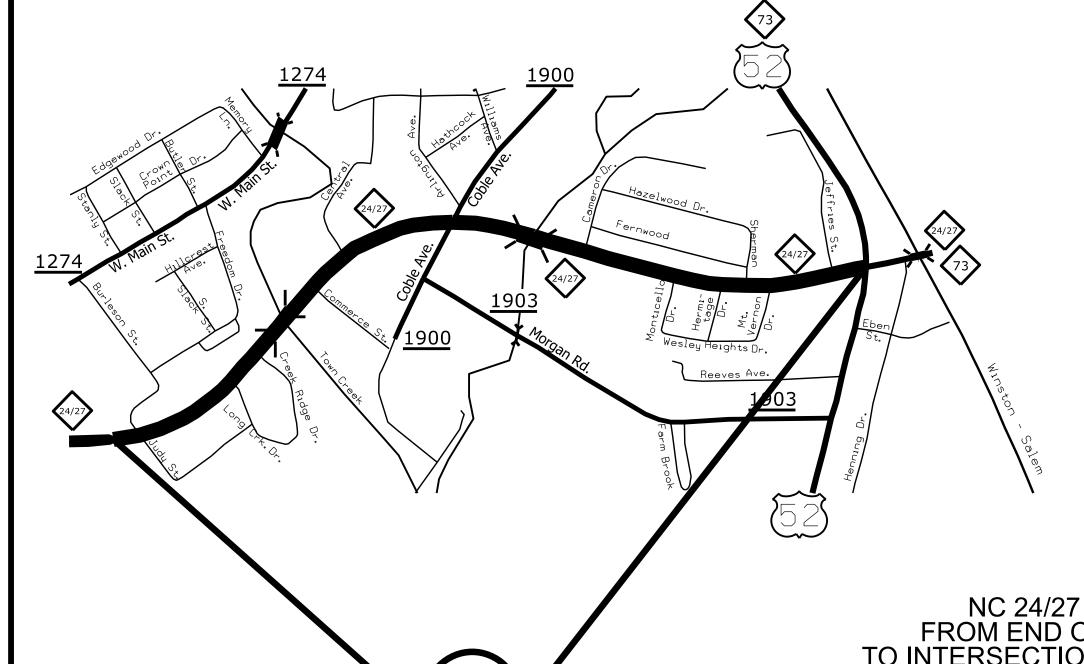
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.10841 2024CPT.10.08.20841	1	14
	F.A. PROJECT NO.		





ENLARGED MUNICIPAL AND SUBURBAN AREAS

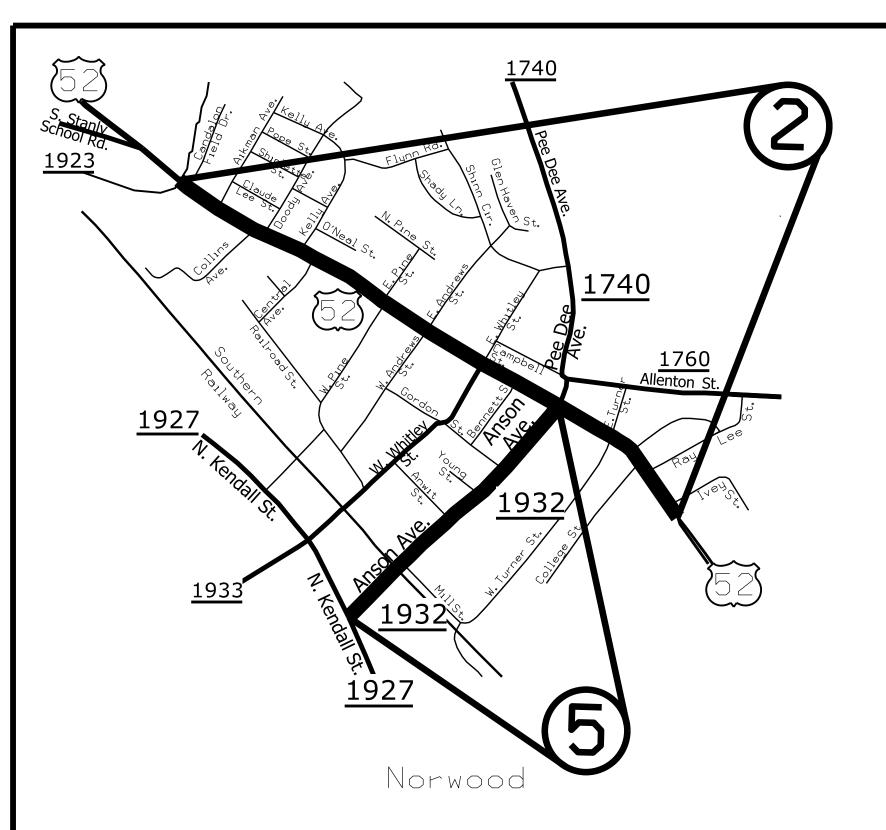
STANLY COUNTY

NORTH CAROLINA

PREPAREO BBYTHEHE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

MAP # 1 NC 24/27 BYPASS WEST 1.28 MILES FROM END OF DIVIDED HIGHWAY (MP 15.62) TO INTERSECTION OF US 52 AND NC 24/27 (MP 16.90)



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	
N.C.	2024CPT.10.08.10841 2024CPT.10.08.20841	2	14	
F.A. PROJECT NO.				



ENLARGED MUNICIPAL AND SUBURBAN AREAS

STANLY COUNTY

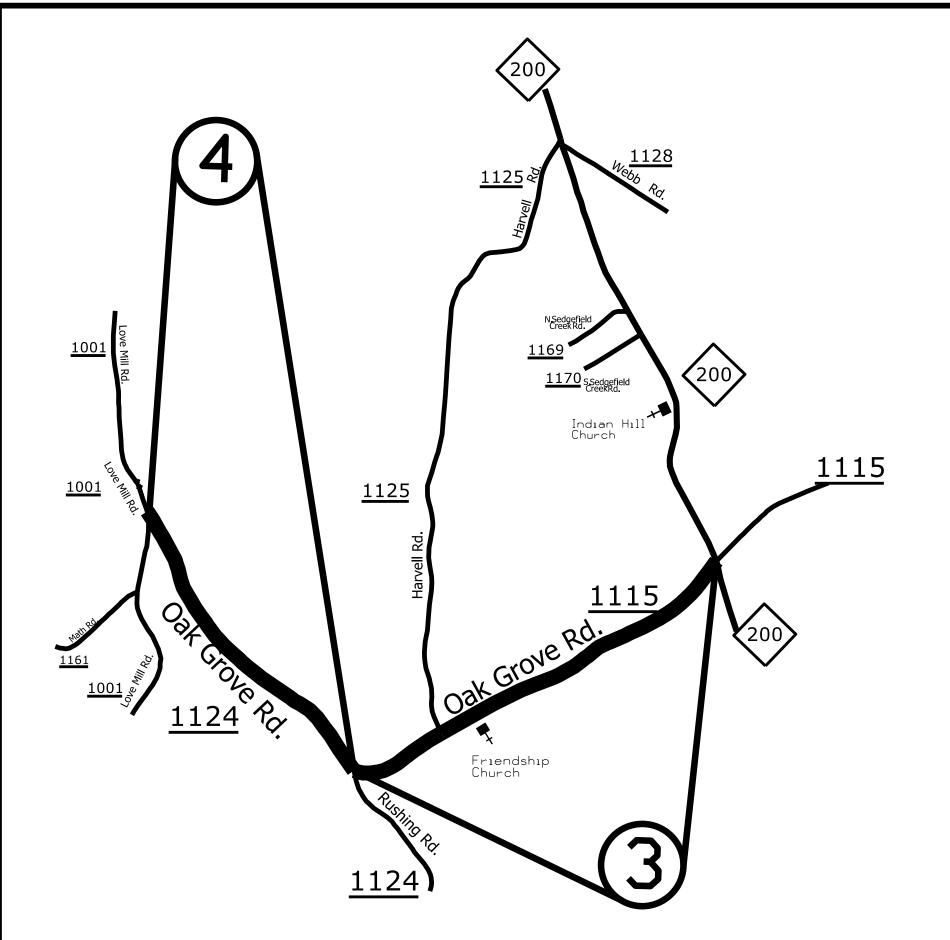
NORTH CAROLINA

PREPARED BRYTHEHE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

MAP # 2 US 52 1.10 MILES FROM DRIVEWAY PAST SCHOOL (MP 1.90) TO END CURB AND GUTTER (MP 3.00)

MAP # 5 SR 1932 - ANSON AVENUE 0.48 MILES FROM US 52 (MP 0.00) TO SR 1927 (N. KENDALL STREET) (MP 0.48)



STATE	PROJECT NO.	SHEET NO.	SHEETS
N.C.	2024CPT.10.08.10841 2024CPT.10.08.20841	3	14

F.A. PROJECT NO.



ENLARGED MUNICIPAL AND SUBURRAN AREAS

STANLY COUNTY

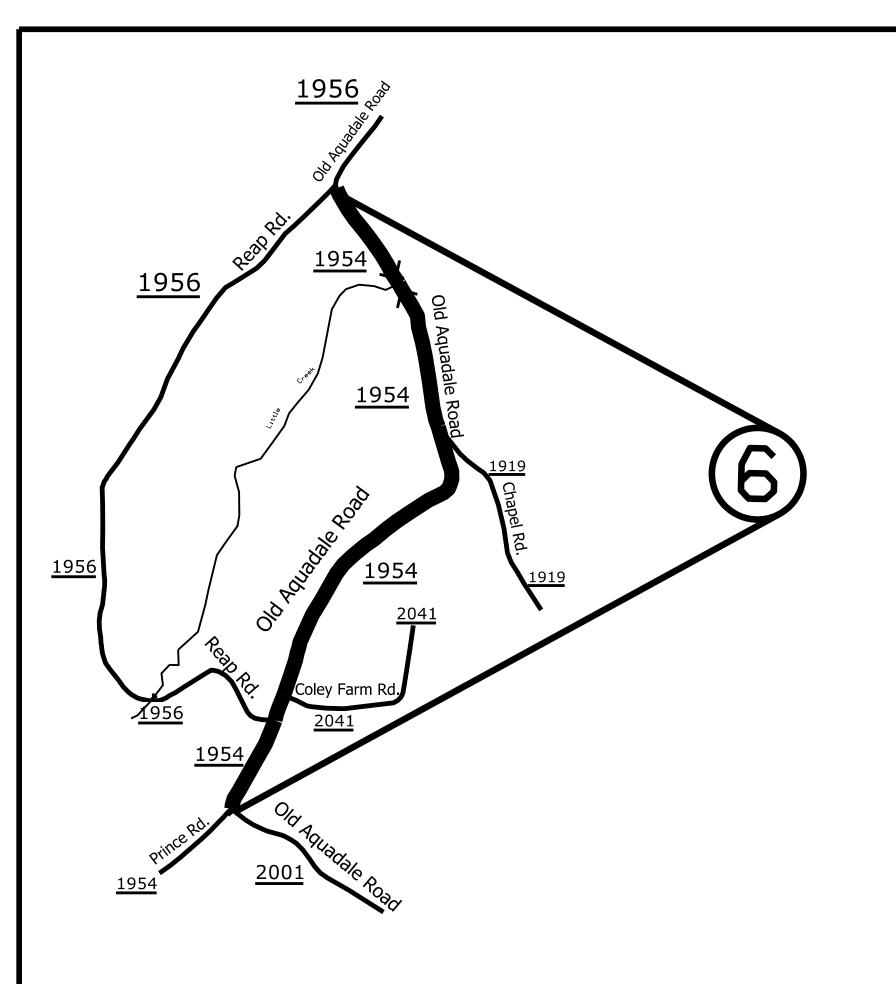
NORTH CAROLINA

PREPARED BBYTHEHE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

MAP # 3 SR 1115 - OAK GROVE ROAD 1.20 MILES FROM NC 200 (MP 6.91) TO SR 1124 (OAK GROVE ROAD) (MP 8.11)

MAP # 4 SR 1124 - OAK GROVE ROAD 0.95 MILES FROM SR 1001 LOVE MILL ROAD) (MP 0.00) TO SR 1115 - OAK GROVE ROAD (MP 0.95)



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.10841 2024CPT.10.08.20841	4	14

F.A. PROJECT NO.



ENLARGED MUNICIPAL AND SUBURBAN AREAS

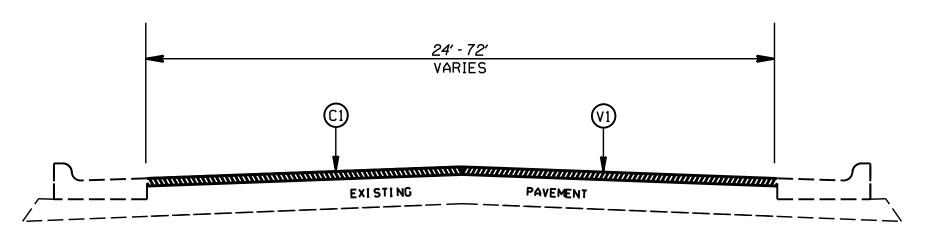
STANLY COUNTY

NORTH CAROLINA

PREPARED BOYTHEHE

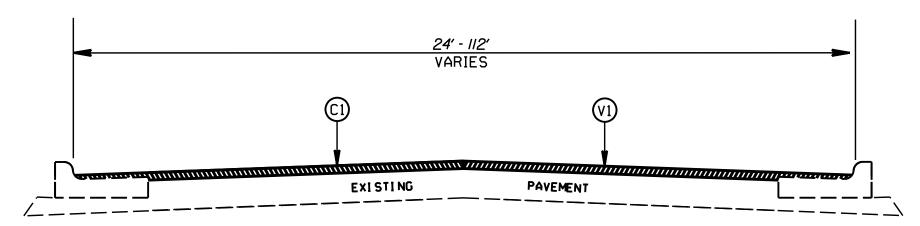
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

MAP # 6 SR 1954 - OLD AQUADALE ROAD 2.00 MILES FROM SR 1954 (PRINCE ROAD) (MP 1.72) TO SR 1956 (REAP ROAD) (MP 3.72)



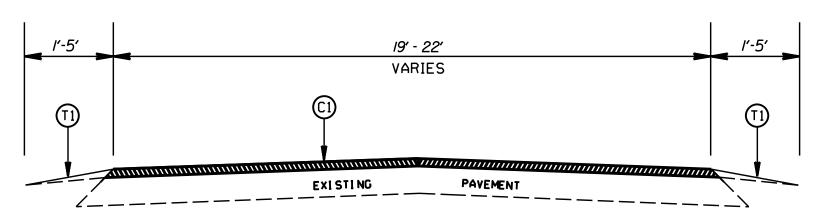
TYPICAL SECTION NO. 1

MAP 1 - NC 24/27 BYPASS WEST MAP 2 - US 52



TYPICAL SECTION NO. 2

MAP 2 - US 52 MAP 5 - SR 1932 - ANSON AVENUE



TYPICAL SECTION NO. 3

MAP 3 - SR 1115 - OAK GROVE ROAD MAP 4 - SR 1124 - OAK GROVE ROAD MAP 6 - SR 1954 - OLD AQUADALE ROAD

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	
N.C.	2024CPT.10.08.10841 2024CPT.10.08.20841	Ŋ	14	
F.A. PROJECT NO.				

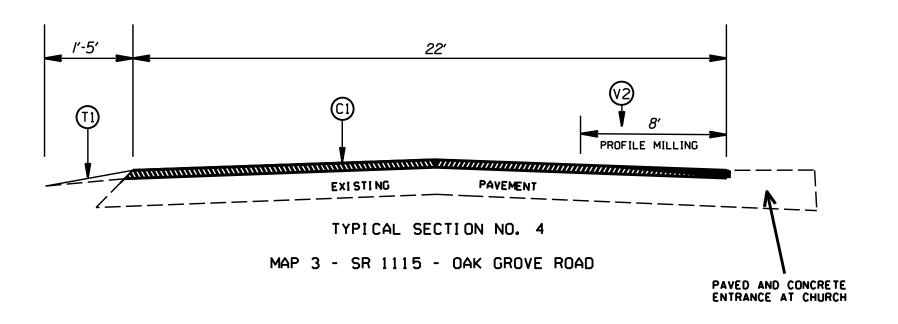
	PAVEMENT SCHEDULE				
C1	PROP. APPROX. 1.50° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SO. YDS.				
Т1	SHOULDER RECONSTRUCTION				
V1	V1 MILLING OF EXISTING PAVEMENT, 1.50° V2 PROFILE MILLING OF EXISTING ASPHALT, 0°-1.50° (8' WIDTH)				
V2					

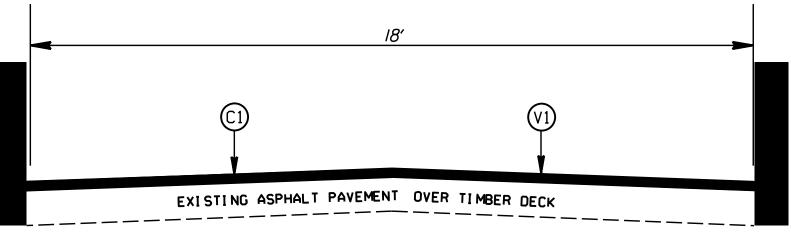
STANLY COUNTY RESURFACING FALL 2023

CALE -NAATE 2/18
WG. BY JAB
ESIGN BY JAB

RE

NOTES:
I. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER





TYPICAL SECTION NO. 5

MAP 6 - SR 1954 - OLD AQUADALE ROAD (NOTE: MILL DECK AND ADDITIONAL 50' OFF EACH END OF BRIDGE FOR TOTAL OF 172 LF)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.10841 2024CPT.10.08.20841	6	14

	PAVEMENT SCHEDULE				
C1 PROP. APPROX. 1.50° ASPHALT CONCRETE SURFACE COURSE, TYPE AT AN AVERAGE RATE OF 168 LBS. PER SO. YDS.					
Т1	SHOULDER RECONSTRUCTION				
V1	MILLING OF EXISTING PAVEMENT, 1.50				
V2	V2 PROFILE MILLING OF EXISTING ASPHALT. 0"-1.50" (8" WIDTH)				

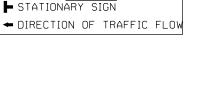
STANLY COUNTY RESURFACING FALL 2023

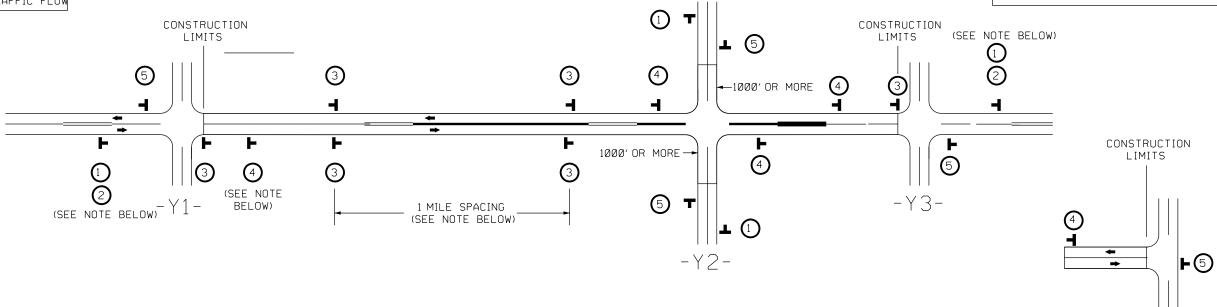


SIGNING FOR RESURFACING PROJECTS

TOTAL STATE PROJECT NO. SHEET NO. SHEETS 2024CPT.10.08.10841 2024CPT.10.08.2084 N.C. 14 F.A. PROJECT NO.

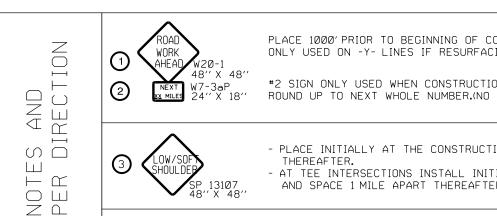
TEE INTERSECTION





MAINLINE (-L-) SIGNING

-Y- LINE SIGNING



PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.

#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)

- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART
- AT TEE INTERSECTIONS INSTALL INITIALLY $\frac{1}{2}$ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.
- 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. OF FLAGGER. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500'+/- OF THE INTERSECTION ALONG -L- LINE.

ROAD WORK

4

PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

MAPS LESS THAN 2 MILES

SIGNING

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.

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, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



PLACED 500' IN ADVANCE



PLACED 250' IN ADVANCE OF FLAGGER.

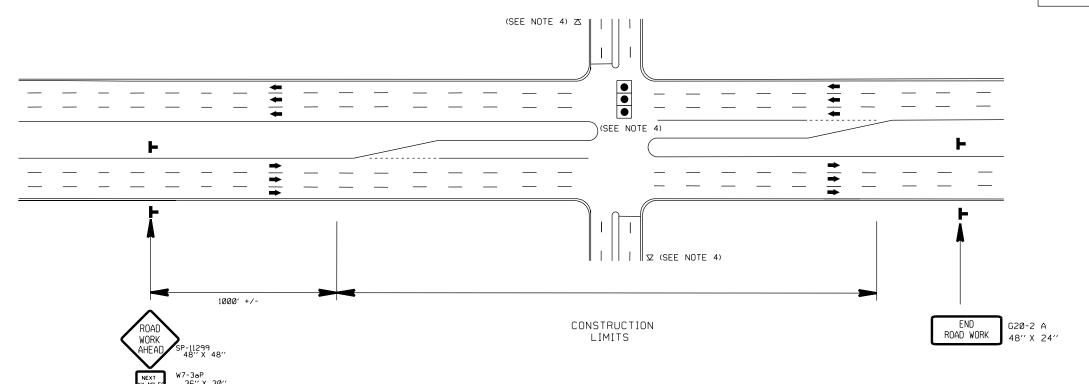


ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

LFGFND ► STATIONARY SIGN ← DIRECTION OF TRAFFIC FLOW

URBAN / SUBURBAN WORKZONES

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS		
N.C.	2024CPT.10.08.10841 2024CPT.10.08.20841	8	14		
F.A. PROJECT NO.					

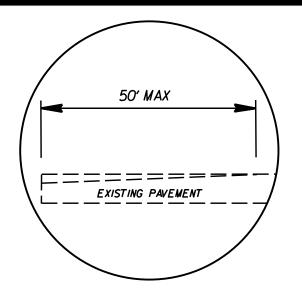


NOTES:

- 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 LARGET 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 OR WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

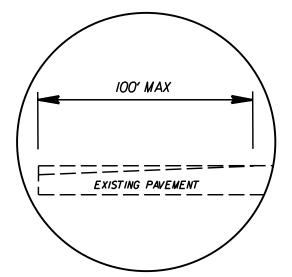


RESURFACING ADVANCE WARNING SIGNS FOR URBAN / SUBURBAN FACILITIES



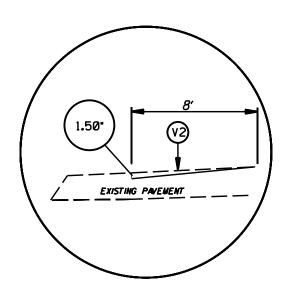
DETAIL FOR INCIDENTAL MILLING (O'TO 1.0")

TIE-IN

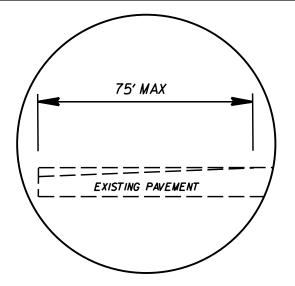


DETAIL FOR INCIDENTAL MILLING (O'TO 2.0')

TIE-IN

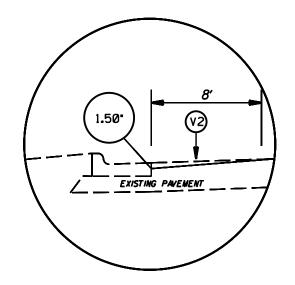


DETAIL FOR PROFILE MILLING (O"TO 1.50")



DETAIL FOR INCIDENTAL MILLING (O'TO 1.5")

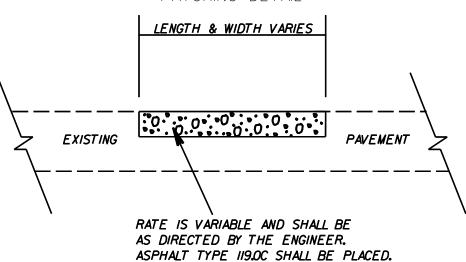
TIE-IN



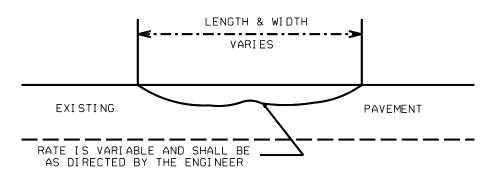
DETAIL FOR PROFILE MILLING (O'TO 1.50")

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS		
N.C.	2024CPT.10.08.10841 2024CPT.10.08.20841	9	14		
F.A. PROJECT NO.					

PATCHING DETAIL



TYPE S9.5B OR S9.5C (LEVELING COURSE)



PATCHING, LEVELING, MILLING, PROFILE MILLING DETAILS

SCALE	-NA-
DATE	10/21
DWG. BY	JWH
DESIGN BY	JWH
APPROVED	JWH

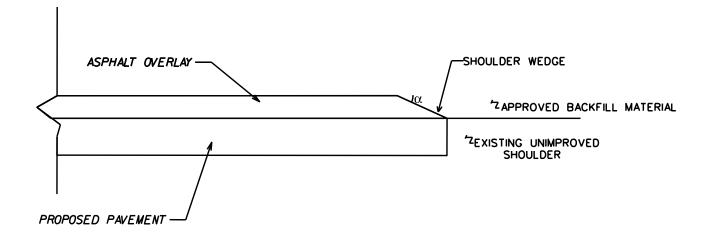


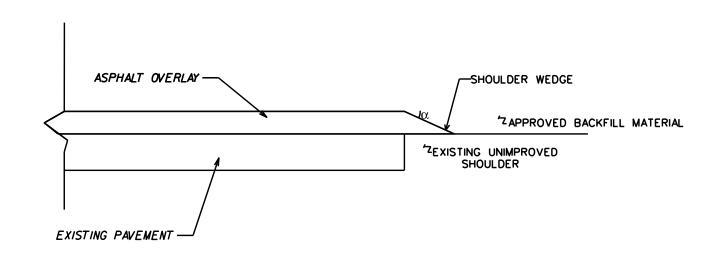
REVISIONS

NOTES:

- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	
N.C.	2024CPT.10.08.10841 2024CPT.10.08.20841	1Ø	14	
F.A. PROJECT NO.				



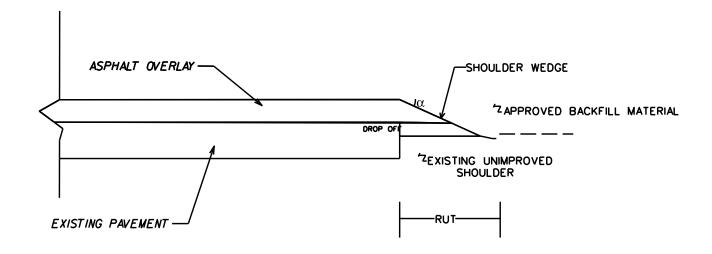


SHOULDER WEDGE DETAIL

(RESURFACING PROJECTS W/ WIDENING OR WITH EXISTING PAVED SHOILDER HAVING NO DROPOFFS)

SHOULDER WEDGE DETAIL

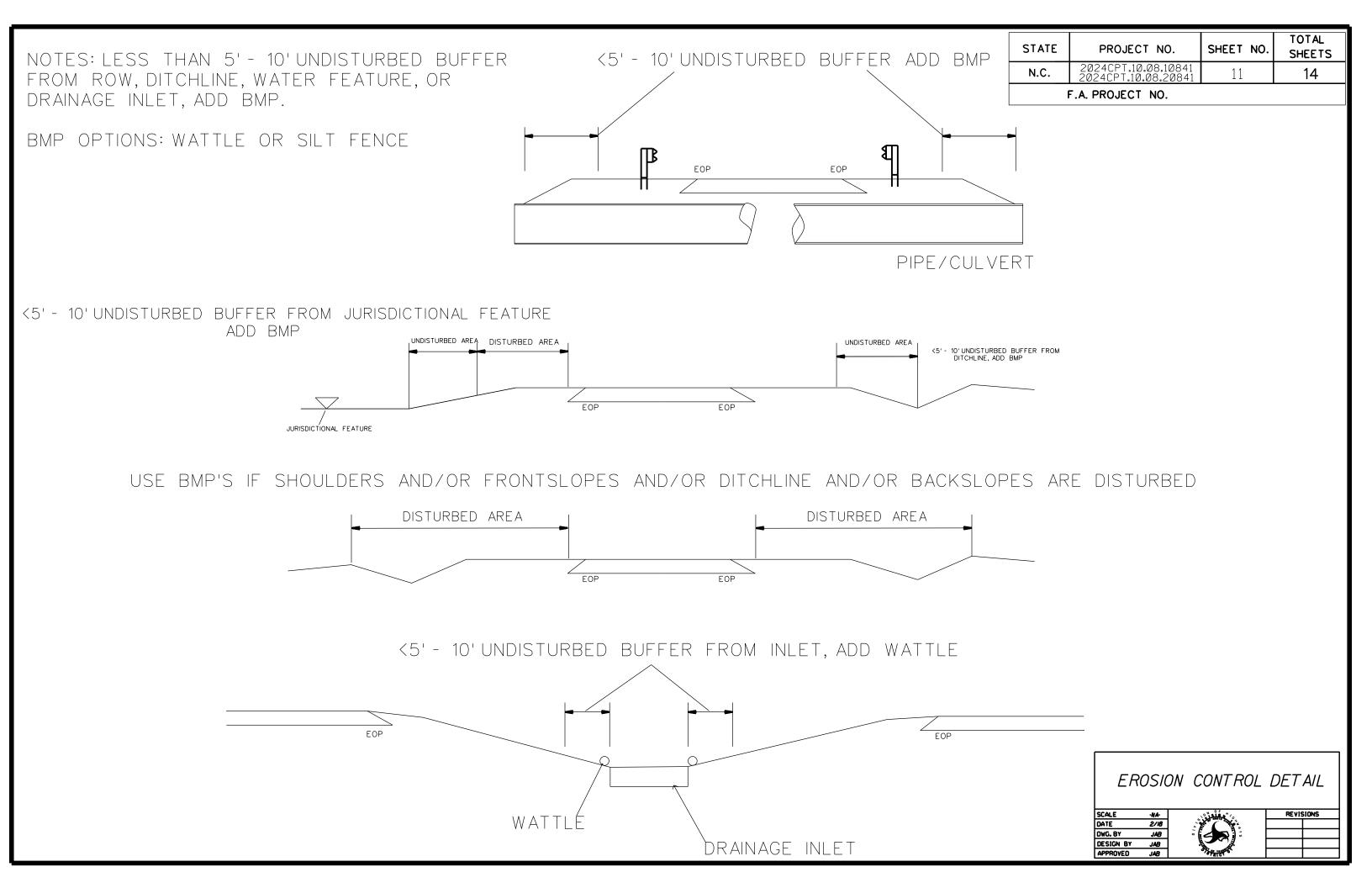
(RESURFACING PROJECTS W/ NO WIDENING)



 $\mathbf{C} = 30 \text{ DEGREES}$

SHOULDER WEDGE DETAIL (RESURFACING ADJACENT TO RUTTED SHOULDER)

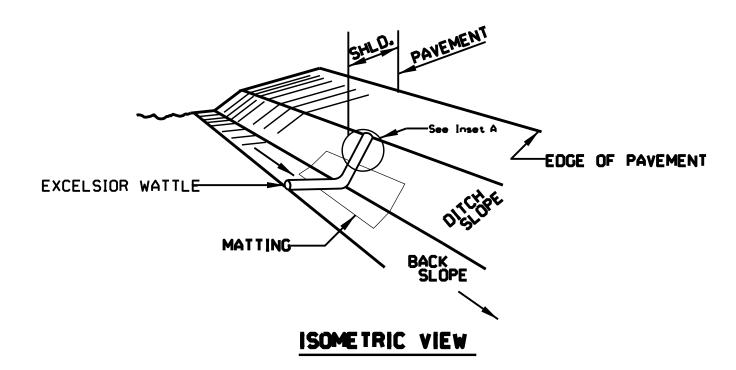
	SHO	OULDER WEDGE DET	AILS
SCALE	-NA-	\ <u>\</u> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	REVISIONS
DATE	2/18		
DWG. BY	JAB		
DESIGN BY	JAB		
APPROVED	JAB	State Table	

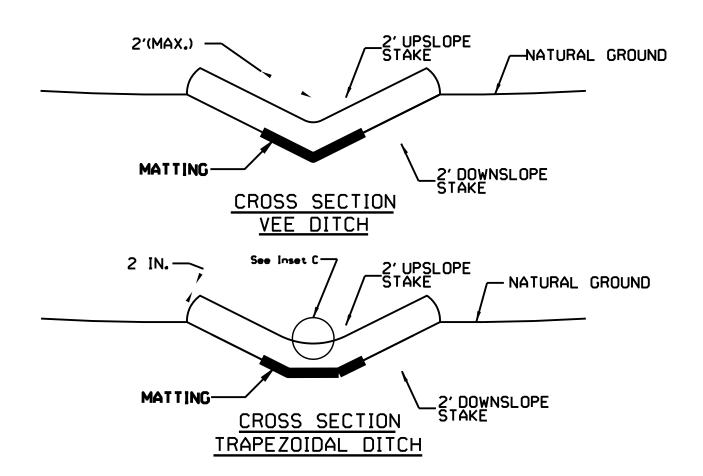


WATTLE WITH POLYACRYLAMIDE DETAIL

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.10841 2024CPT.10.08.20841	12	14

F.A. PROJECT NO.





NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

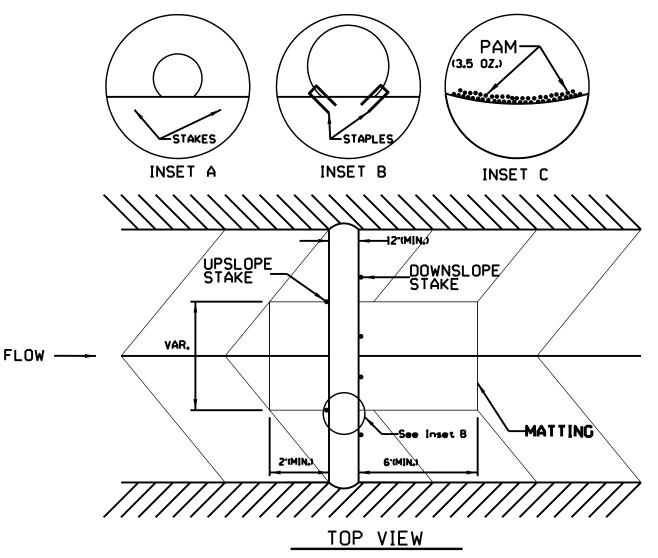
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.10.08.10841,		
2024CPT.10.08.20841	13	14

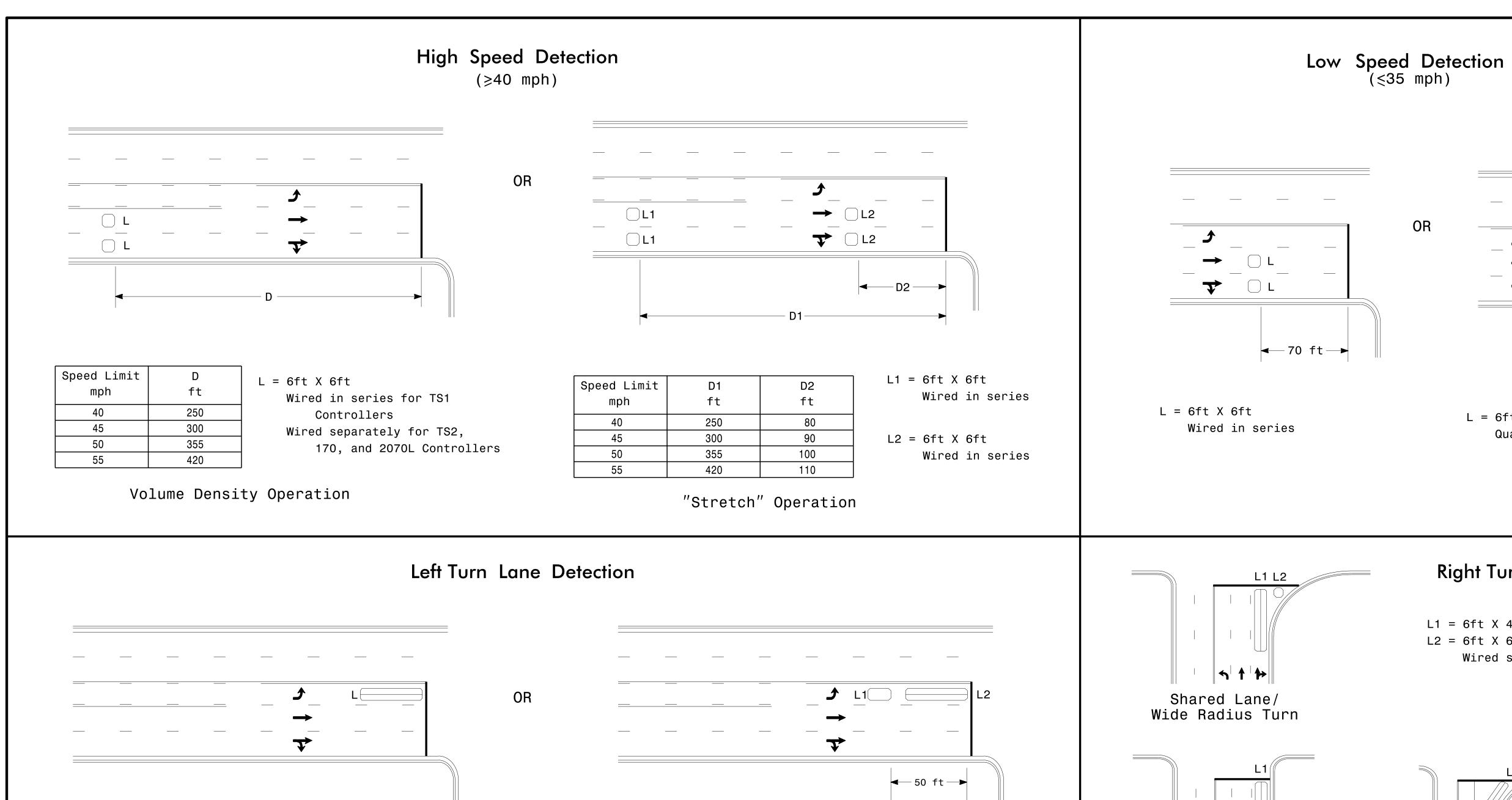
SUMMARY OF QUANTITIES

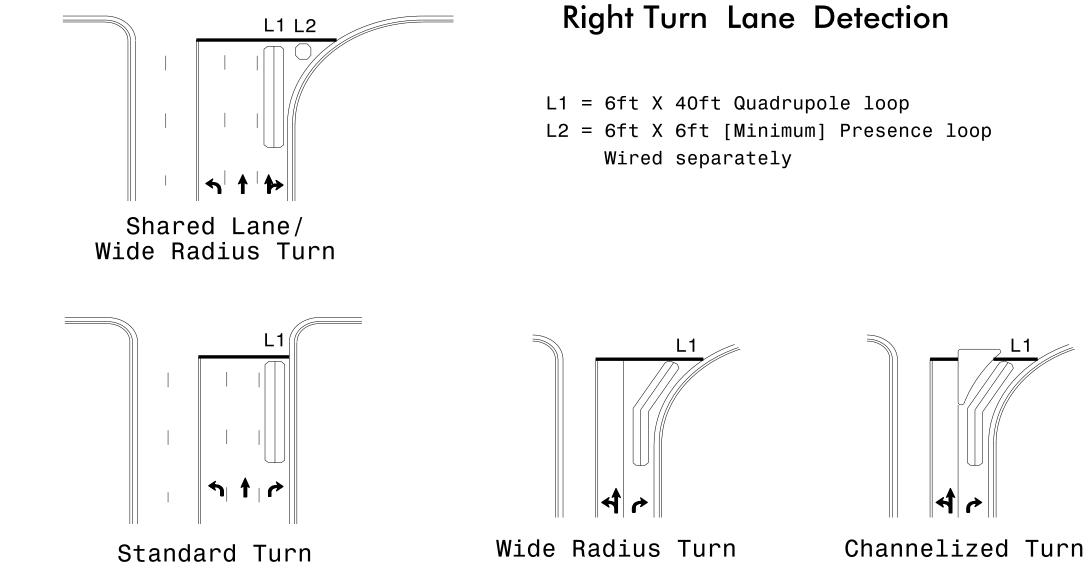
																. ~ ~														
													6000000-E	1220000000-E	1245000000-E	1297000000-E	1308000000-E	1330000000-E	1523000000-E	1524000000-E								6071020000-E	6084000000-E	
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO					H WIDTH	H BEGIN MP	END MP BO	ORROW	INCIDENTAL	SHOULDER	1½" MILLING	0" TO 1-1/2"	INCIDENTAL	SURFACE	LEVELING	ASPHALT	PATCHING	6" DRIVEWAYS	ADJ. OF	ADJ. OF METER		WATTLE		SEED &	INDUCTIVE
						1	TYPE SURFA	ACE ASPHALT	r		1 1		- 1	STONE BASE	RECONSTRUCTI		MILLING	MILLING	COURSE, S9.5C	COURSE, S9.5C	BINDER FOR	EXISTING		MANHOLES	OR VALVE BOX	LIGHTING		POLYACRYLAMI	MULCHING	LOOP
							TESTI	NG REQUIRE	D		1 1		- 1		ON						PLANT MIX	PAVEMENT						DE (PAM)		
							REQUI	RED	MI	FT			CY	TONS	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	SY	EA	EA	LS	LF	LB	AC	LF
				FROM END OF DIVIDED HIGHWAY (MP																										
			NC-24-27 BYPASS W	15.62) TO INTERSECTION OF US 52 AND							1 1		- 1																	
2024CPT.10.08.10841	Stanly	1	30000024084	NC24/27 (MP 16.90)	1	2	NO.	NO	1.28	60	15.62	16.9	- 1			42.948		3.460	4.488		280	320		4	4	0.60				2.550
		OR MAP NO	.1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					1.28		1					42,948		3,460	4.488		280	320		4	4	0.60			1	2,550
	1	T T		FROM DRIVEWAY PAST SCHOOL (MP												,			7,144										†	_,,,,,
			US-52	1.90) TO END CURB AND GUTTER (MP							1 1		- 1																	
2024CPT.10.08.10841	Stanly	2	20000052084	3.00)	12	2	NO.	NO	1.10	38	19	3	- 1			26.607		513	2.662		181	495		٥	11	0.40				1.100
2024011.10.00.10041		OR MAP NO		3.007	1,2	-	140	140	1.10		1					26,607		513	2,662		181	495		9	11	0.40			+	1,100
TOTAL			10.08.10841		-	\vdash	_	_	2.38	_						69.555		3.973	7.150		461	815		13	15	1.00			+	3.650
IUIALI	OK PROJ N	IU. 2024CP1.	10.08.10841				_	_	2.30							09,555		3,973	7,150		461	915		15	15	1.00			+	3,030
		 			_	\vdash	-		+	+	+ +		-	-							-			-	+	ł		ł	+	-
											1 1		- 1																	
		_	SR-1115 - OAK GROVE RD	FROM NC 200 (MP 6.91) TO SR 1124																										
2024CPT.10.08.20841		3	40001115084	(OAK GROVE ROAD) (MP 8.11)		2	NO	NO	1.20		6.91		140	135	2.40			936	1,570	540	150	540	198				100	1	0.9	
	TOTAL F	OR MAP NO				\vdash			1.20				140	135	2.40			936	1,570	540	150	540	198				100	1	0.9	
				FROM SR 1001 (LOVE MILL ROAD) (MP							1 1		- 1																	
				0.00) TO SR 1115 (OAK GROVE ROAD)							1 1		- 1																	
2024CPT.10.08.20841		4	40001124084	(MP 0.95)		2	NO	NO	0.95		0	0.95	80	55	1.90			712	1,250	430	115	334	72				140	1	0.7	
	TOTAL F	OR MAP NO	. 4						0.95				80	55	1.90			712	1,250	430	115	334	72				140	1	0.7	
			SR-1932 - ANSON AVE	FROM US 52 (MP 0.00) TO SR 1927 (N.							1 1		- 1																	
2024CPT.10.08.20841	Stanly	5	40001932084	KENDALL STREET) (MP 0.48)	2	2	NO	NO	0.48	34	0	0.48				9,356		418	1,020		71	216		8	9					550
	TOTAL F	OR MAP NO	. 5						0.48							9,356		418	1,020		71	216		8	9					550
				FROM SR 1954 (PRINCE ROAD) (MP																										
			SR-1954 - OLD AQUADALE	1.72) TO SR 1956 (REAP ROAD) (MP				- 1			1 1		- 1						1	l	1		1	1			l			1
2024CPT.10.08.20841	Stanly	6	RD 40001954084	3.72)	3.5	2	NO	NO	2.00	19	1.72	3.72	150	150	4.00	344	40	1.840	2.267	500	206	900	36	1	1		300	1	1.5	1
		OR MAP NO		,					2.00	T	1 1		150	150	4.00	344	40	1,840	2,267	500	206	900	36	İ	İ		300	1	1.5	1
TOTAL			10.08.20841						4.63		1 1		370	340	8.30	9,700	40	3,906	6.107	1,470	542	1,990	306	8	9		540	3	3.1	550
TOTAL	1								1.05	1	1 1				2.50	2,700	,,,	2,300	5,207	-,-,-	1	=,550		†	1					1 250
	GRA	ND TOTAL							7.01	1	1 1		370	340	8.30	79.255	40	7.879	13.257	1.470	1.003	2.805	306	21	24	1.00	540	3	3.1	4.200
	0.00								7.02					- 70	2.50	, 255	,,,	.,515	,,	_,-,-,-	_,,005	_,505								.,200

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.10.08.10841,		
2024CPT.10.08.20841	14	14

THERMOPLASTIC AND PAINT QUANTITIES

										4413000000-E	4457000000-N	4510000000-N	46850	00000-E	469500	00000-E	4700000000-E	4704000000-E	4709000000-	E 47200	00000-E		47250	00000-Е		4770000000-E	48100	000000-E	4835000000-F	E 4890000000-E	4905100000-N
PROJECT NO	COUNTY MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE LENG	TH WIDTH	BEGIN MP		WORK ZONE	TEMPORARY		4" X 90 M	4" X 90 M	8" X 90 M	8" X 90 M	12" X 90 M	16" X 90 M	24" X 90 M		THERMO RXR			THERMO STR			4" WHITE	4" YELLOW	24" WHITE	CONTRAST	NON-CAST
					1 1	TYPE			1 1	ADVANCE/GE	TRAFFIC	ENFORCEMEN	WHITE	YELLOW	WHITE	YELLOW	YELLOW	WHITE	WHITE	MSG SCHOOL	90 M	ARROW 90	ARROW 90	ARROW 90 M	& RT ARROV		PAINT	PAINT	PAINT	COLD APPLIED	IRON
					1 1					NERAL	CONTROL	T	THERMO	THERMO	THERMO	THERMO	THERMO	THERMO	THERMO	90 M		М	М		90 M	PLASTIC			İ	PLASTIC	SNOWPLOWA
					1 1					WARNING						1										PAVEMENT			İ	PAVEMENT	BLE MARKER
					1 1				1 1	SIGNING		1 1				1										MARKING			1	MARKING	
					1 1				1 1			1 1				1										LINES, TYPE II			1	LINES, TYPE II	
					1 1				1 1			1 1				1										(4")			1	(9")	
					1 1														ļ											 	
					+	M	FT			SF	LS	HR	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA
			FROM END OF DIVIDED HIGHWAY (MP		1 1											1													İ		
		NC-24-27 BYPASS W	15.62) TO INTERSECTION OF US 52 AND	١.	1 . 1				l							1	56		l			l	Ι.	1 .	l -						
2024CPT.10.08.10841		30000024084	NC24/27 (MP 16.90)	1	2	1.2		15.62	16.9	126.0	0.18	80.00	5,275	14,350			30		284			39	4	9	5	950.00	5,275	14,350	284	200.00	630
	TOTAL FOR MAP N	0.1		+	+	1.2	8	<u> </u>	+	126.0	0.18	80.00	5,275	14,350			56	-	284	+		39	4	9	5	950	5,275	14,350	284	200	630
	1 1		FROM DRIVEWAY PAST SCHOOL (MP		1 1				1 1			1				l		1	1	1		1	1	1			1	1	1	1	1
		US-52	1.90) TO END CURB AND GUTTER (MP		1.1		.		1 . 1																_						
2024CPT.10.08.10841		20000052084	3.00)	1,2	2	1.1	0 50	1.9	3		0.16	80.00	1,803	14,008	812	116			416	6		38		<u> </u>	5	_	495	9,350	174		195
	TOTAL FOR MAP N	0. 2		_	+	1.1			+		0.16	80.00	1,803	14,008	812	116			416	6		38			5		495	9,350	174		195
TOTAL FO	OR PROJ NO. 2024CP	Г.10.08.10841		_	+	2.3	8		+	126.0	0.34	160.00	7,078	28,358	812	116	56		700	6		77	4.00	9	10	950	5,770	23,700	458	200	825
				1	11			<u> </u>					35	,436	928				<u> </u>	<u> </u>	6	100				29	9,470	ــــــــــــــــــــــــــــــــــــــ			
	I I			1	1 1			1	т т	1		1 1		1		I		1	1	1	1	l .	T .	1	1	1	1			т —	1
		SR-1115 - OAK GROVE RD	FROM NC 200 (MP 6.91) TO SR 1124		1 1											1													İ		
2024CPT.10.08.20841	Stanly 3	40001115084	(OAK GROVE ROAD) (MP 8.11)		2	1.2	0 22	6.91	8.11	144.0	0.17	1 1				1			32								25,556	25,356	1		
	TOTAL FOR MAP N		(1 1	1.2			1	144.0	0.17	0.00							32			1	1	1			25,556	25,356		+	
			FROM SR 1001 (LOVE MILL ROAD) (MP									1 1						1	1	1	1	1	1	1	1					1	
		SR-1124 - OAK GROVE RD	0.00) TO SR 1115 (OAK GROVE ROAD)		1 1				1 1			1 1				1													1		
2024CPT.10.08.20841	Stanly 4	40001124084	(MP 0.95)		2	0.9	5 22	0	0.95	128.0	0.14	1 1				1			40								20.480	20.380	1		
	TOTAL FOR MAP N		(0.9	5		1.00	128.0	0.14	0.00							40								20,480	20,380		1	
		SR-1932 - ANSON AVE	FROM US 52 (MP 0.00) TO SR 1927 (N.						1 1											1	1	1	1	1	i e					1	1
2024CPT.10.08.20841	Stanly 5	40001932084	KENDALL STREET) (MP 0.48)	2	2	0.4	8 34	0	0.48		0.07	20.00	70	4.906	75	1		96	154		4								İ		
	TOTAL FOR MAP N	0.5	,,			0.4	8				0.07	20.00	70	4,906	75			96	154	1	4	i i	i i	1			i			1	
	1 1	SR-1954 - OLD AQUADALE	FROM SR 1954 (PRINCE ROAD) (MP 1.72))	1 1			1	1 1			1				I		1	1	1		1	1	1			1	1	1	1	
2024CPT.10.08.20841	Stanly 6	RD 40001954084	TO SR 1956 (REAP ROAD) (MP 3.72)	3,5	2	2.0	0 19	1.72	3.72	224.0	0.28	1 1				1											43,400	42,900	1		
	TOTAL FOR MAP N	D. 6				2.0	0			224.0	0.28	0.00															43,400	42,900			
TOTAL E	OR PROJ NO. 2024CP	T 10 08 208/1				4.6	3			496.0	0.66	20.00	70	4,906	75			96	226		4.00						89,436	88,636			
IJIALF	ON 1 NOJ 140. 2024CP	1.10.00.20041											4,	976	7	75					4						178	8,072			
				_				_																							
1	GRAND TOTAL			_	\vdash	7.0	1		\vdash	622.0	1.00	180.00		33,264			56	96	926	6	4.00	77	4	9	10	950		112,336	458	200	825
					\perp	L		L					40,	,412	1,0	003					10		1	100			20	7,542	<u> </u>		

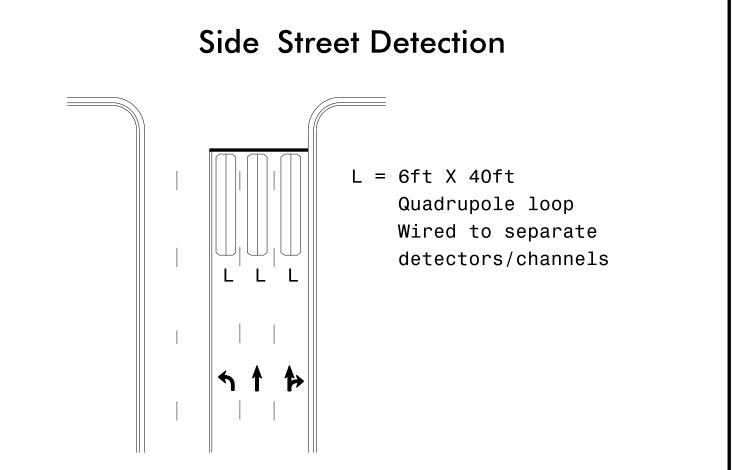




OR

L = 6ft X 40ft

Quadrupole loop, wired separately



L = 6ft X 40ft Quadrupole loop

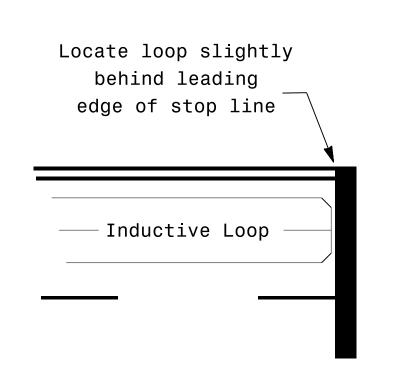
Presence Loop Detection



L1 = 6ft X 15ft Queue detector

L2 = 6ft X 40ft Quadrupole loop

Queue Loop Detection



Note: Loop may be located in advance of stop line under any of the

- following conditions: 1) stop line is greater than 15' from edge of intersecting roadway
- 2) loop detects a permissive or protected/permissive left turn
- 3) for an exclusive right turn lane

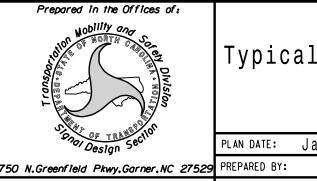
Recommended Number of Turns

Single 6' X 6' loop (when wired separately):

ion wired ee	paracory, i
Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

Quadrupole loops: Use 2-4-2 turns

6' X 15' Loops: Lead-in < 150', use 2 turns Lead-in > 150', use 3 turns



SCALE

N/A

Typical Signal Loop Locations

PLAN DATE: January 2015 REVIEWED BY: REVIEWED BY: PLA REVISIONS INIT. DATE

PL Alexander

PROJECT REFERENCE NO.