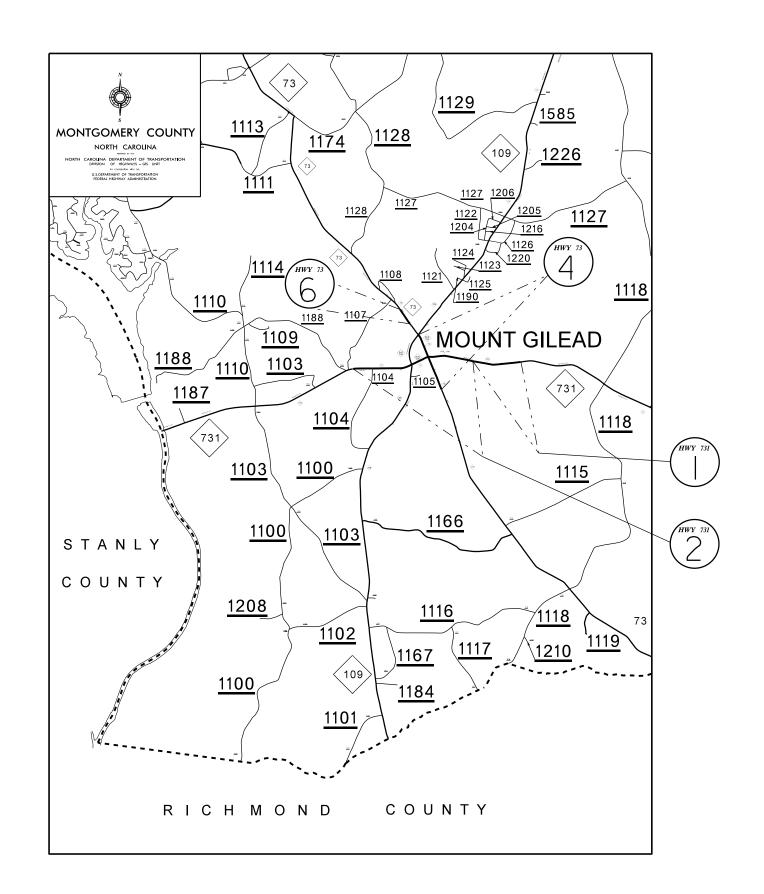
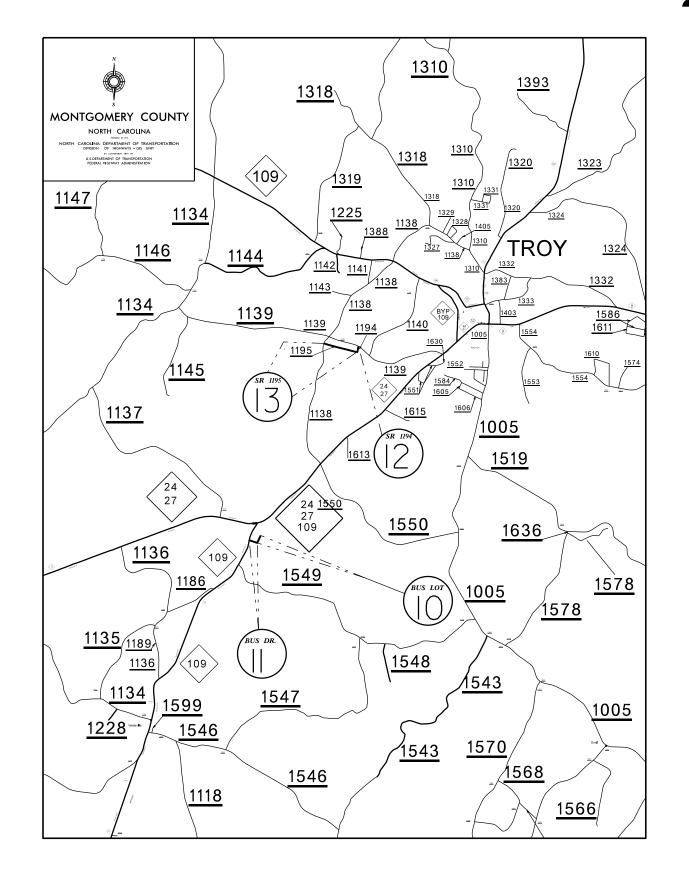


WBS ELEMENT SHEET NO.

2019CPT.08.07.10621 2019CPT.08.07.20621

2

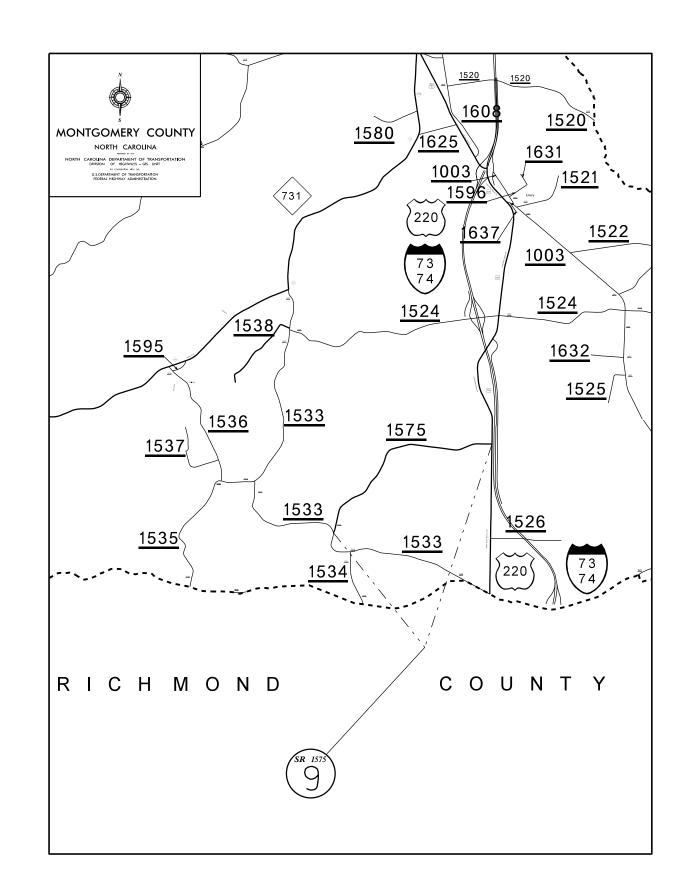


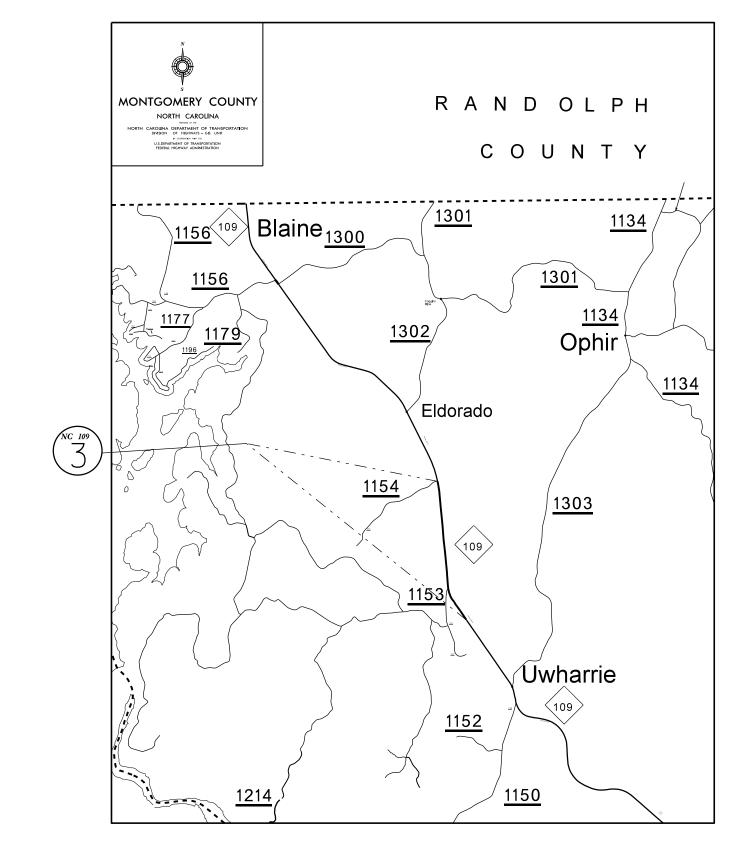


WBS ELEMENT SHEET NO.

2019CPT.08.07.10621
2019CPT.08.07.20621

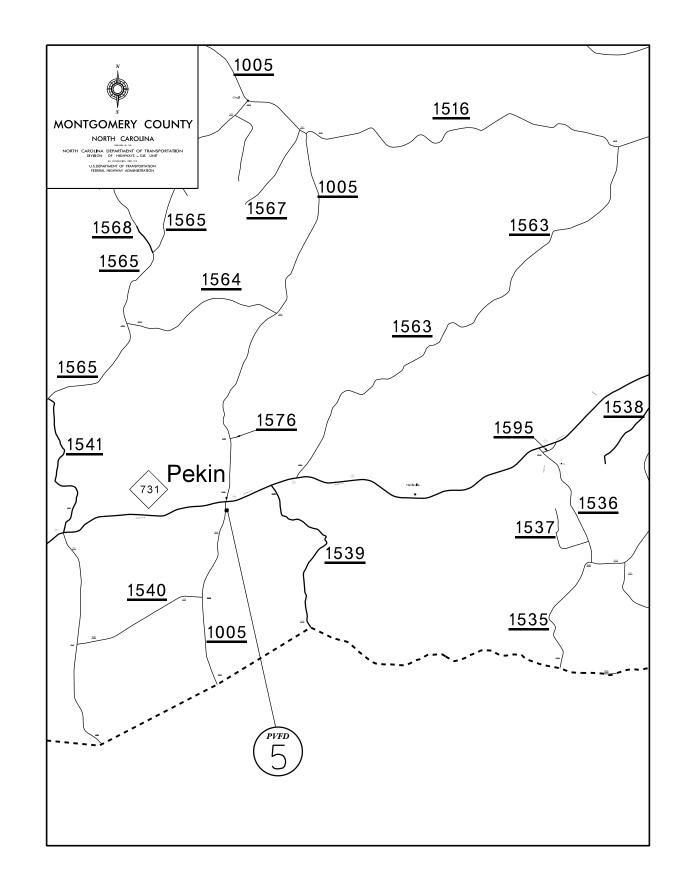
3

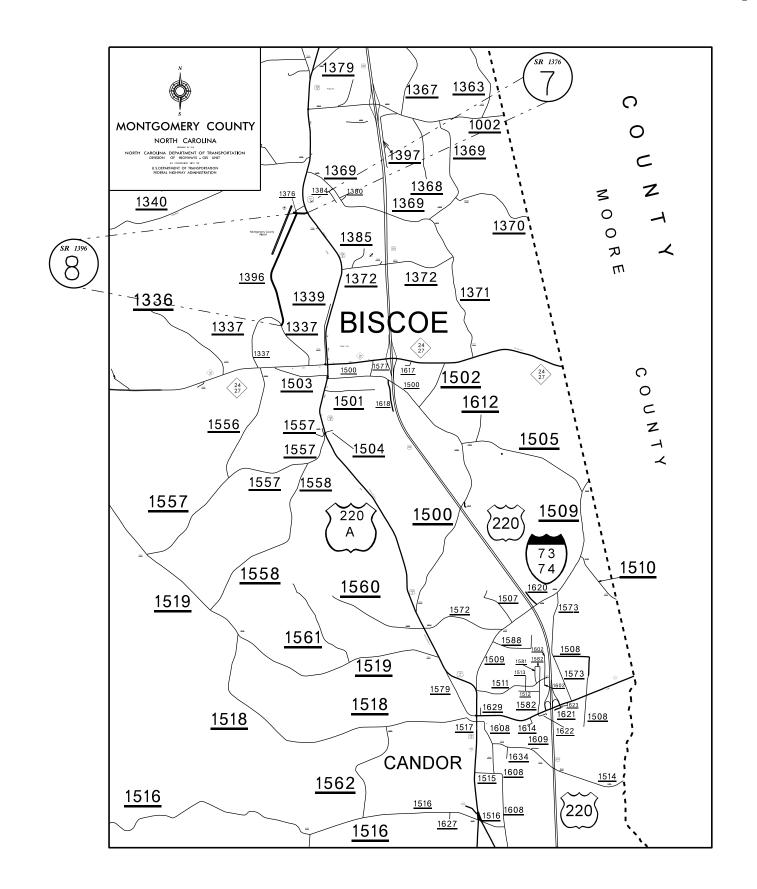




WBS ELEMENT SHEET NO.
2019CPT.08.07.10621
2019CPT.08.07.20621

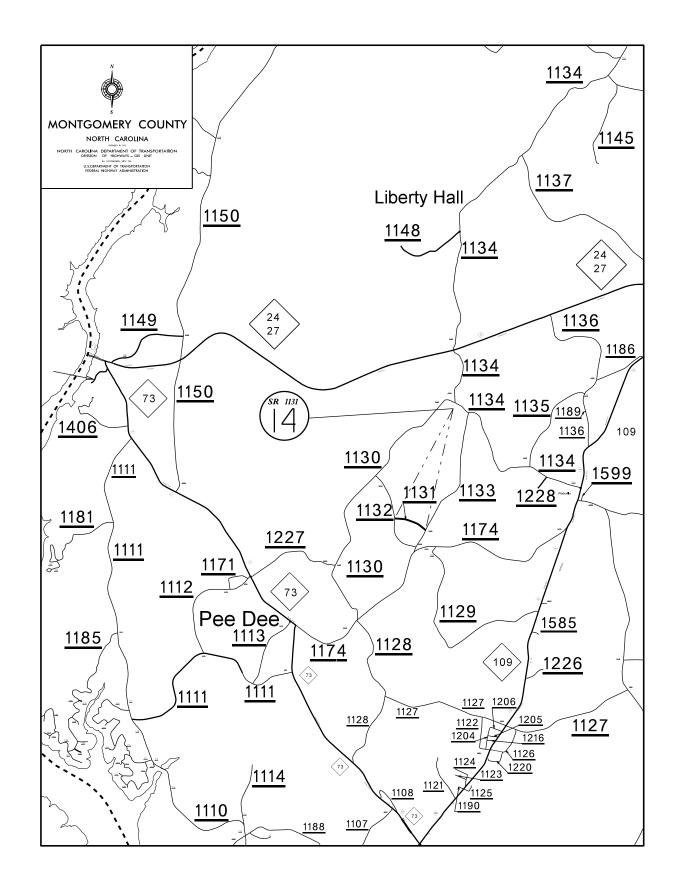
4

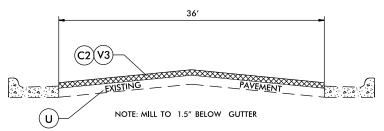




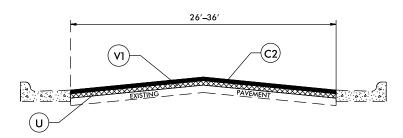
WBS ELEMENT SHEET NO.

2019CPT.08.07.10621
2019CPT.08.07.20621

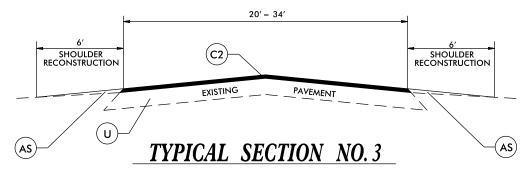




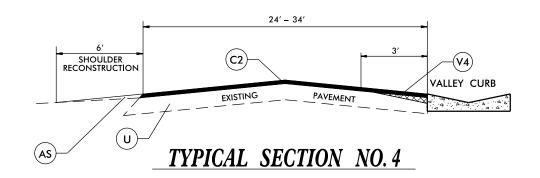
TYPICAL SECTION NO.1

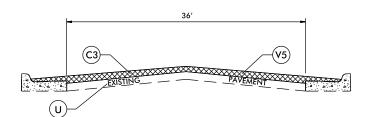


TYPICAL SECTION NO. 2

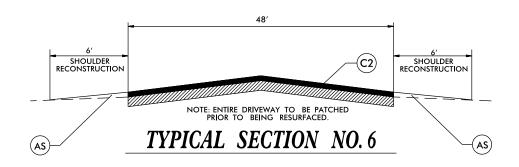


NOTE: SHOULDER RECONSTRUCTION AND STRIPING WILL BE PERFORMED BY STATE FORCES ON MAPS 15, 16, 18 AND 21

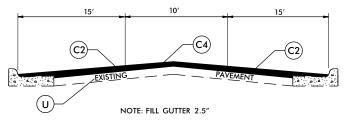




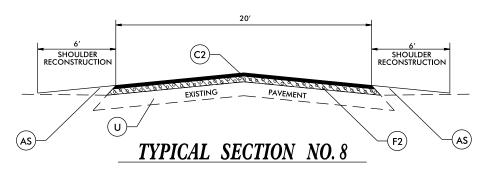
TYPICAL SECTION NO. 5



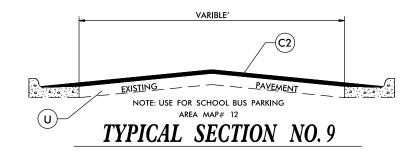
	PAVEMENT SCHEDULE
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE \$9.5B, AT AN AVERAGE RATE OF 165 LBS. PER \$Q. YD.
C3	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE \$9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER \$Q. YD.
C4	PROP. APPROX. 1.5" TO 2" VARIABLE DEPTH ASPHALT CONCRETE SURFACE COURSE TYPE \$9.5B, AT AN AVERAGE RATE OF 165 LBS. PER \$Q. YD. TO 110 LBS PER \$QUARE YARD IN EACH OF TWO (2) LAYERS
F2	PROPOSED ASPHALT SURFACE TREATMENT, MAT COAT WITH #78M STONE
AS	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT.
V1	MILLING 1.5" IN DEPTH
V3	MILLING 3.0" IN DEPTH
V4	MILLING 0.0" – 1.5" IN DEPTH
V5	MILLING 1.25" IN DEPTH

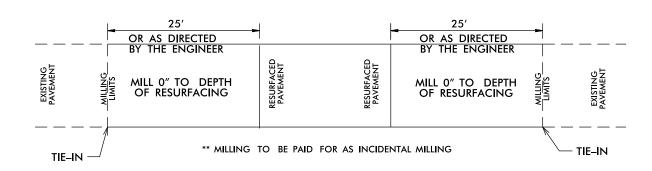


TYPICAL SECTION NO. 7



NOTE: SHOULDER RECONSTRUCTION AND STRIPING WILL BE PERFORMED BY STATE FORCES ON MAP 8

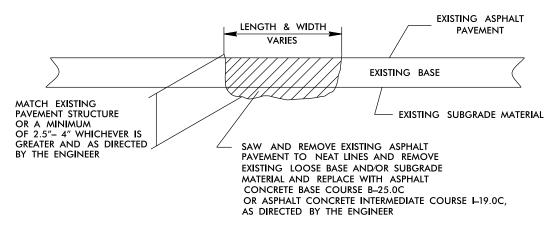




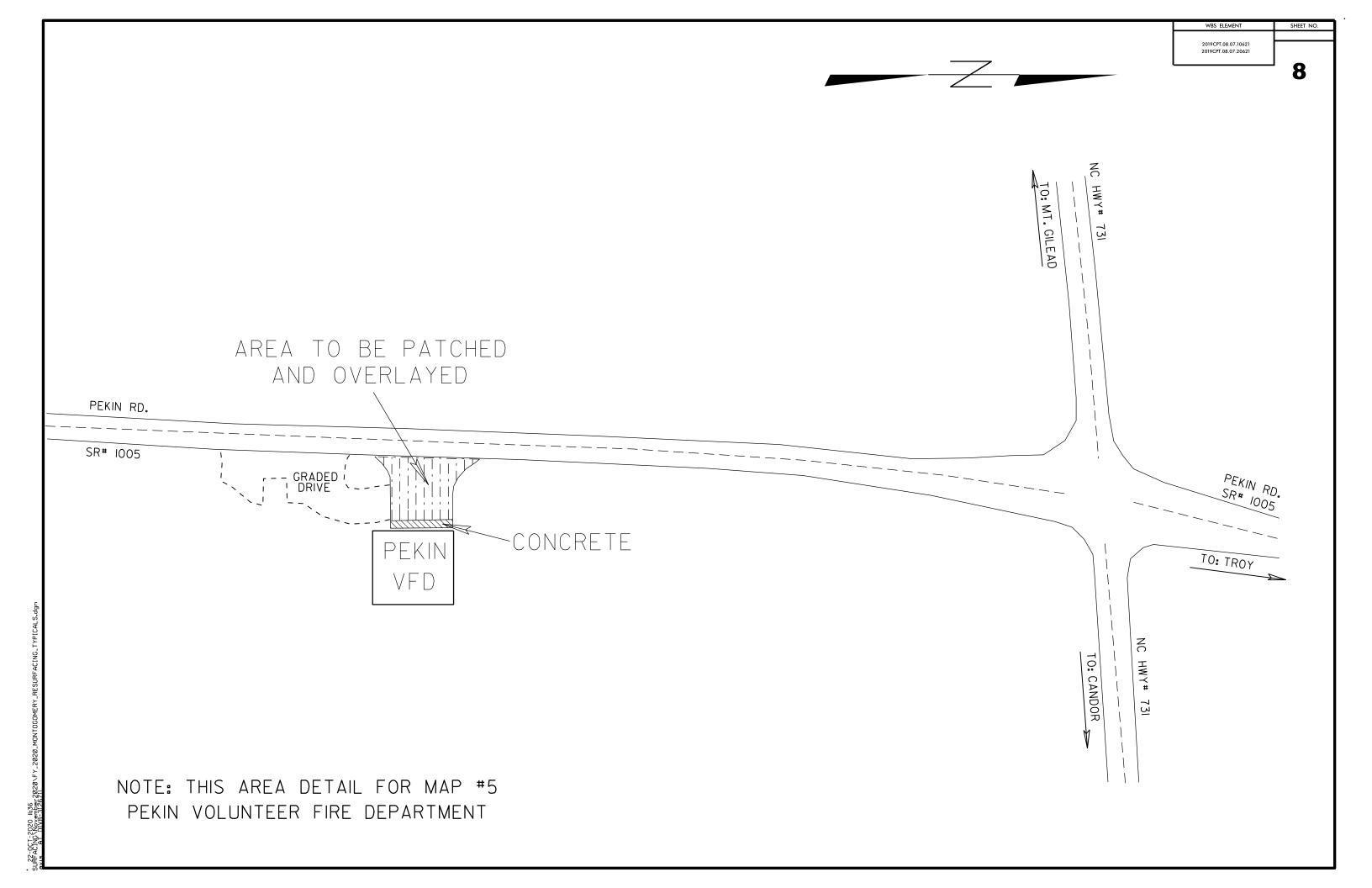
#### PAVEMENT TIE-IN DETAIL

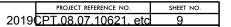
## DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING

#### **DETAIL**



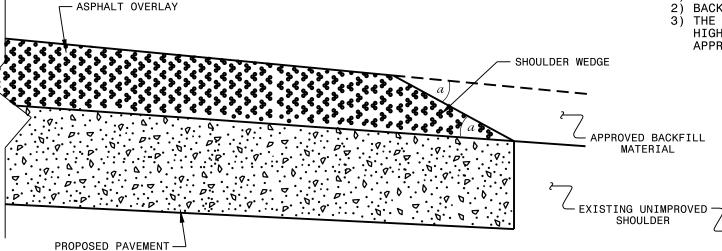
	PAVEMENT SCHEDULE
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE \$9.5B, AT AN AVERAGE RATE OF 165 LBS. PER \$Q. YD.
С3	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE \$9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER \$Q. YD.
C4	PROP. APPROX. 1.5" TO 2" VARIABLE DEPTH ASPHALT CONCRETE SURFACE COURSE TYPE \$9.5B, AT AN AVERAGE RATE OF 165 LBS. PER \$Q. YD. TO 110 LBS PER \$QUARE YARD IN EACH OF TWO (2) LAYERS
F2	PROPOSED ASPHALT SURFACE TREATMENT, MAT COAT WITH #78M STONE
F4	PROPOSED ASPHALT SURFACE TREATMENT, MAT COAT WITH #67 STONE
AS	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT.
VI	MILLING 1.5" IN DEPTH
V3	MILLING 3.0" IN DEPTH
V4	MILLING 0.0" – 1.5" IN DEPTH
V5	MILLING 1.25" IN DEPTH





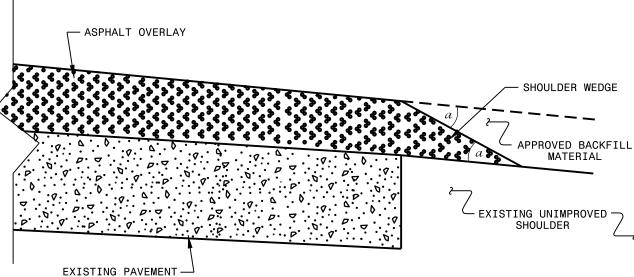
#### NOTES:

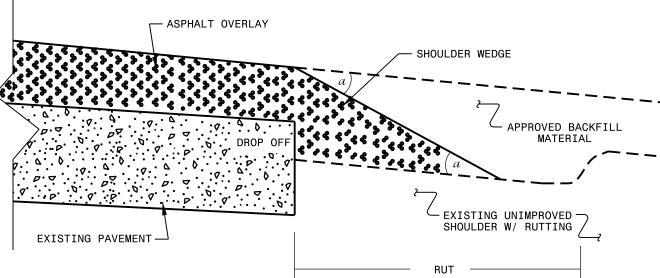
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



#### 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 ANGLE =  $30^{\circ}$ 

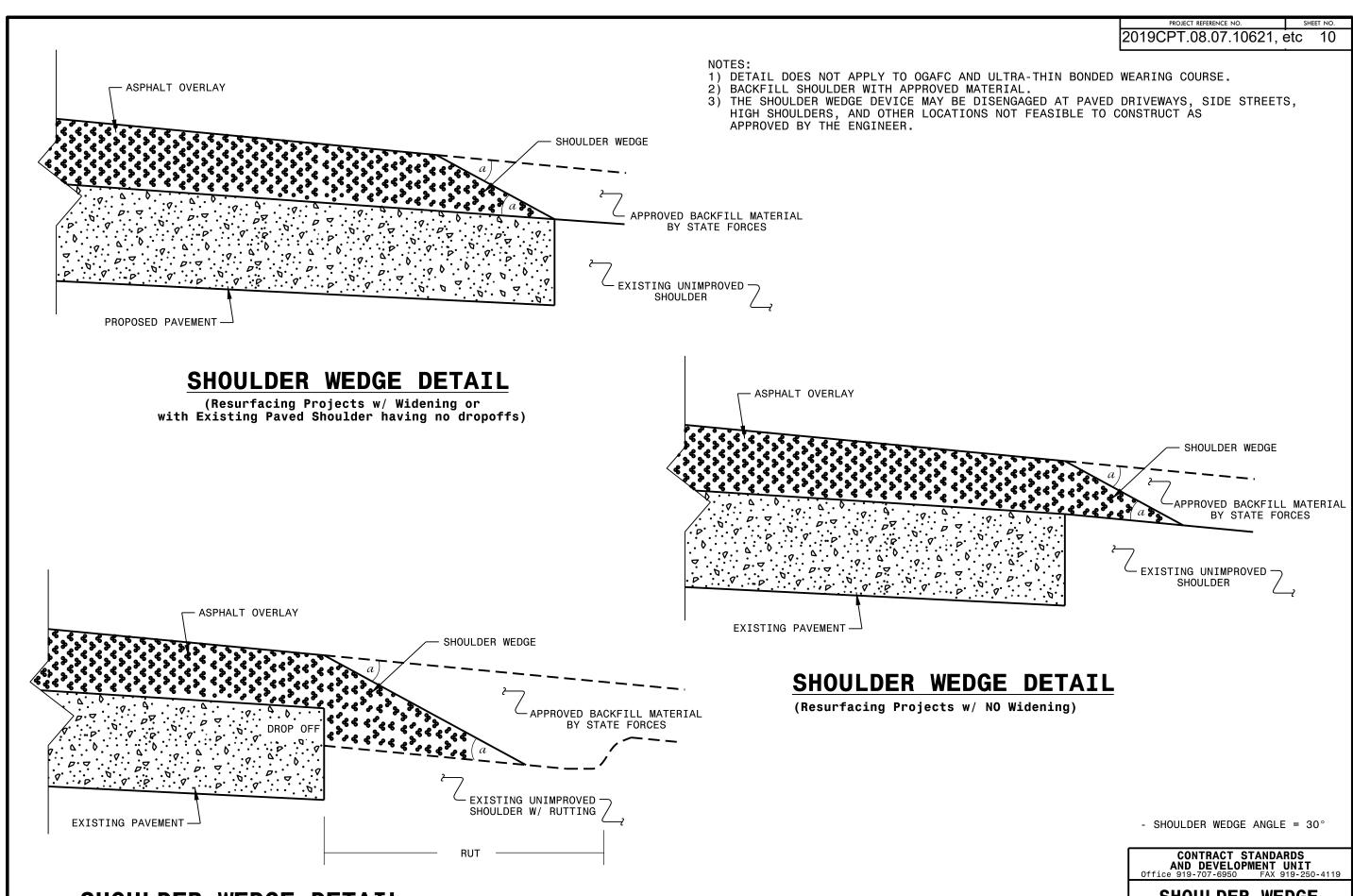
#### CONTRACT STANDARDS AND DEVELOPMENT UNIT Office 919-707-6950 FAX 919-250-4119

#### SHOULDER WEDGE **DETAILS**

ORIGINAL BY:	T.SPELL	DATE:7-19-11
MODIFIED BY:		DATE: 2/2/16
CHECKED BY:_		DATE:
FILE SPEC	s:usr/details/stand/sho	ulderwedgedetail dgn

#### SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)



SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

#### SHOULDER WEDGE

#### **DETAILS**

ORIGINAL BY	T.SPELL	DATE:	7-19-11
MODIFIED BY		DATE:	10/16/12
CHECKED BY:		DATE:	
FILE SPEC :	s:usr/details/stand/sho	ulderwedg	edetail.dgn

PROJECT NO.	SHEET NO.	TOTAL NO.
2019CPT.08.07.10621, etc	11	

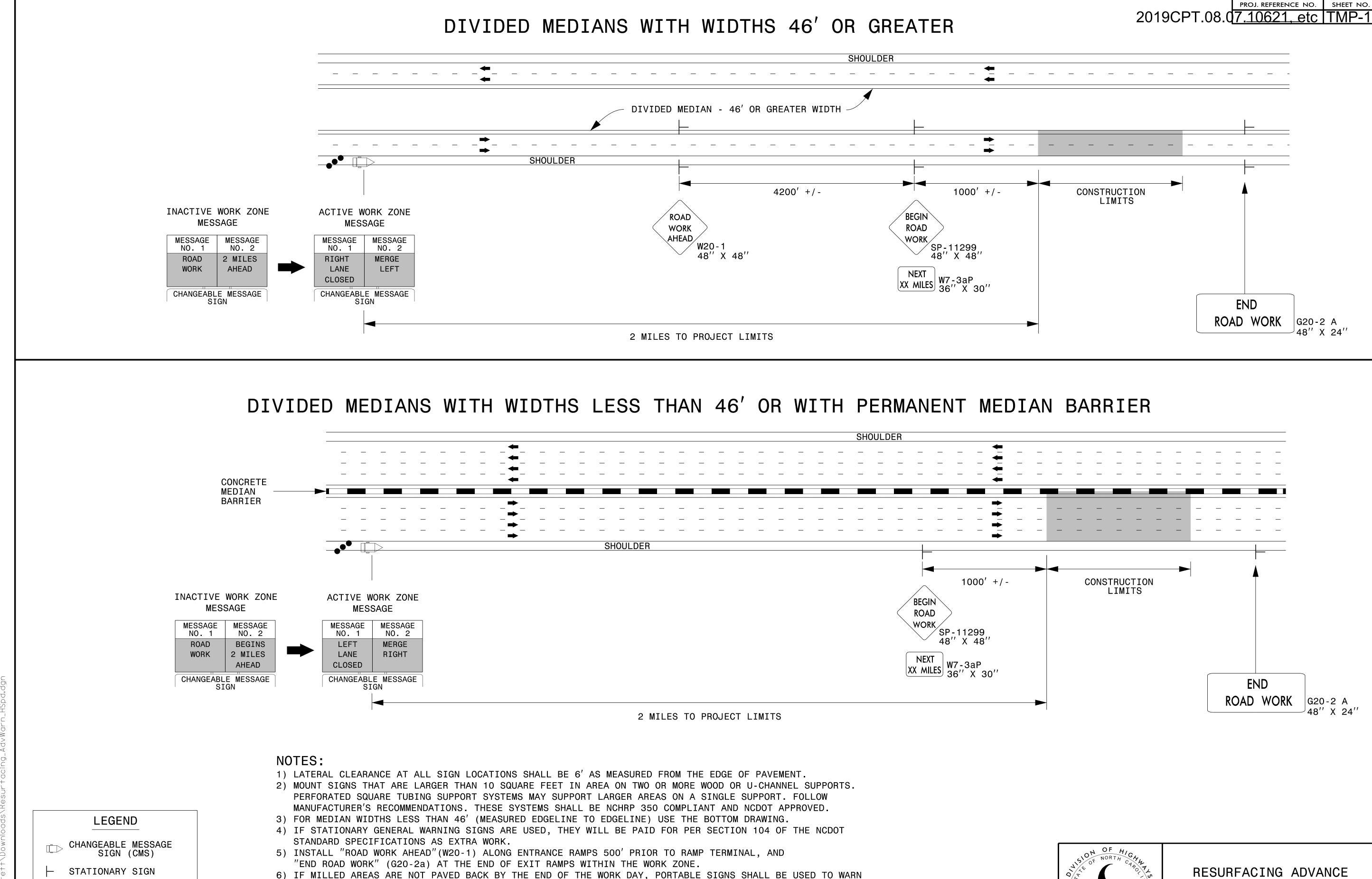
#### SUMMARY OF QUANTITIES

_			_				т		U IVI				<u>U F</u>		AN				1	T			T	1						1
	M	A ROUTE	DESCRIPTION	TYP	LA	LANE	FINAL	WARM	LENGTH	WIDTH	SH.			1.5"	1.25"		INC.	S9.5B	ASPH.	PATCH-	AST,	EMUL-	VAC-	2'-6"	RETRO-	ADJ.	ADJ.	ADJ.	IND.	LEAD-
٥	6			NO	NE	TYPE	SURF.	MIX			RECO		MILLING	MILLING	MILLING	1.5"	MILLIN		BINDER	ING	MAT-	SION	UUM	<b>CURB</b>	FIT EXI.	OF	OF	OF	LOOP	IN
Įž	L≽N				S		TEST.	ASPH.			N.					MILLIN	G		FOR	EXI.	COAT,	FOR	TRUC	&	CURB	DROP	MAN-	METER	SAW-	CABLE
																G				PAVEM	#78M	AST						OR	CUT	(14-2
١ā	اق ا						IRED	RED											MIX	ENT	STONE	7.0.		ER				VALVE		PAIR)
PR	COUNTY																		"""		5.5.12						J	вох		,
									MI	FT	SMI	TON	SY	SY	SY	SY	SY	TONS	TONS	TONS	SY	GAL	WK	LF	EA	EA	EA	EA	LF	LF
									IVII	гі	SIVII	TON	31	31	31	31	31	10113	10143	10143	31	GAL	VVIX	LI	LA	LA	LA	LA	LF	L
			FROM END C&G 1.3MI W OF SR																											
			1118 (YANK RD) TO PVT JT W OF																											
			EAST HAYWOOD ST (A.K.A. E																											
			1ST ST) LOCATED 0.42MI E OF																											
		NC 731	NC 73 N MAIN ST	1	2	2WU	NO	NO	0.5	36			11,100					965	65									2		
			FROM FROM PVT JT W OF EAST																											
			HAYWOOD ST (A.K.A. E 1ST ST)																											
			0.42MI E OF NC 73 TO END C&G																											
21			480FT E OF SR 1107																											
901	>   2	NC 731	(NORTHVIEW RD)	2	2	2WU	NO	NO	1.37	26				23,160			1,300	1,965	132	70									2,144	2.144
7.7	ner		N JOINT OF BRIDGE # 45 TO											, , , ,			,	,												,
2019CPT.08.07.10621	Montgomery		JOINT SOUTH OF SR1154		1																									
).  -	ont	NC 109 N	(MULLINEX RD)	2 /	2	2WU	NO	NO	1.66	27	3.32	108				190	525	2,420	162	100										
96	ĬĔĦ	NC 103 N	FROM PVT JT S OF NC 109 TO	3,4		2000	NO	NO	1.00	21	3.32	430				190	323	2,420	102	100										
010			PVT JT S OF W HAYWOOD ST																											
7																														
			(NON-SYSTEM) LOCATED	_					0 = 1 =						40.000											-				
		NC 73	1,000FT S OF NC 731	5	2	2WU	NO	NO	0.515	36					10,300		1,600	990	66	20				50	2	6	2	17	2,140	2,140
		PEKIN FIRE DEPARTMENT	PATCH AND RESURFACE FD																											
		DRIVEWAY	DRIVEWAY	6	2	2WU	NO	NO	0.009	47	0.03	4						25	2	41										
			BRIDGE JOINT N OF R/R BRIDGE																											
			#40 TO END 3-LANE SECTION																											
			0.137MI E OF SR 1108																											
	(	NC 73	(PARKERTOWN RD)	7	2	2WU	NO	NO	0.185	36							400	495	33								3	1		
		TOTAL FOR PROJ NO. 201	9CPT.08.07.10621						4.239		3.35	502	11,100	23,160	10,300	190	3,825	6,860	460	231				50	2	6	5	20	4,284	4,284
			FROM AIRPORT GATE TO US 220																											
			BUS.( S. MAIN ) TO JOINT AT																											
	7	SR 1376 (AIRPORT RD.)	TRF ISLAND	8	2	2WU	NO	NO	0.16	20							1,877	175	12		1,900	665	1							
			FROM SR 1337 (LAMBERT DR)																											
	8	SR 1396 (CLAYOLA DR)	TO SR 1376 (AIRPORT RD)	3	2	2WU	NO	NO	1.53	21							350	1,565	105											
			FROM SR 1533 (CEMETERY RD)																											
21	9	SR 1575 (YARBUROGH RD)	TO US 220A	3	2	2WU	NO	NO	2.65	21							233	2,710	182											
506	_	WEST MONTGOMERY																·												
7.7	] Je   1	MIDDLE SCHOOL PARKING	SCHOOL BUS PARKING AREA	9	2	2WU	NO	NO	0.053	118								335	22											
98.	gor																													
2019CPT.08.07.20621	ont	WEST MONTGOMERY  MIDDLE SCHOOL PARKING  WEST MONTGOMERY  MIDDLE SCHOOL BUS DRIVE	FROM HWY 109 TO BUS																											
90	Š  <sub>1</sub>	MIDDLE SCHOOL BUS DRIVE	PARKING AREA	3	2	2WU	NO	NO	0.14	25								220	15											
01			FROM SR 1139 (WARNER RD)																											
(1	1	SR 1194 (DEERFIELD CIR)	TO SR 1195 (DEERFIELD CIR)	3	2	2WU	NO	NO	0.08	18								80	5											
			FROM SR 1194 (DEERFIELD CIR)	Ť	Ť	20			0.00																					
	1	SR 1195 (DEERFIELD CIR)	TO SR 1138 (DAIRY RD)	3	2	2WU	NO	NO	0.42	18								405	27											
	l ⊢	3K 1193 (BEEKI IEEB CIK)	FROM SR 1133 (DEBERRY RD)			2000	NO	INO	0.42	10								403	27											
			TO SR 1132 (STONEY FORK		1																									
	_	CD 4424 (CNAITH DD)	•	_	1	214711	NO	NIC.	0.43	20								465	24											
-	1	\	CHURCH RD)	3	1 2	2WU	NO	NO	0.43	20							2.660	465	31		1 000									
-		TOTAL FOR PROJ NO. 201	9071.08.07.20621	<u> </u>	<u> </u>			<u> </u>	5.463					<u> </u>		<u> </u>	2,460	5,955	399	<u> </u>	1,900	665	1							
<u> </u>					1			ı	'				44	l aa	44		T a s s =			I ac-		<b>a</b> c=	Ι .		1 2 1		_			1
		GRAND TO	IAL						9.702		3.35	502	11,100	23,160	10,300	190	6,285	12,815	859	231	1,900	665	1	50	2	6	5	20	4,284	4,284

PROJECT NO.	SHEET NO.	TOTAL NO.
2019CPT.08.07.10621,	1 2	
etc	$\perp$	

#### THERMOPLASTIC AND PAINT QUANTITIES

			IIILIVIA				10.		4413000					•	469500		472500		491000	0000-E	49200	404500	0000 N	480100	490500	10000 N
<del>                                     </del>	MAP NO	DOUTE	DECERIPTION	TVD		LANE	LENGTH	MID			443700 TEMP.	45100 LAW					THERMO		481000 4"	4"					SNOW	
	VIAP NO	ROUTE	DESCRIPTION			TYPE													•	•						
9 >				NO	INE	ITTE		TH	ADV/		TRAFFI		M	M	M	M	LT	O STR		WHITE						PLOWA
										DEVI	С		YELLOW					& RT	PAINT	PAINT	W	ARRO			BLE Y &	BLE C &
									WARN.	CES		ENT	THERMO	THERMO		W	90 M	ARRO			PAINT	W		THERM		R
PROJECT NO COUNTY									SIGNIN		OL				0	THER		W 90					W	0	MARKE	
									G							MO		M							RS	RS
							MI	FT	SF	LF	LS	HR	LF	LF	LF	LF	EA	EA	LF	LF	LF	EA	EA	LF	EA	EA
			FROM END C&G 1.3MI W OF SR 1118 (YANK RD) TO																							
			PVT JT W OF EAST HAYWOOD ST (A.K.A. E 1ST ST)																							
111	1	NC 731	LOCATED 0.42MI E OF NC 73 N MAIN ST	1	2	2WU	0.5	36	60				3,300						3,300						38	
			FROM FROM PVT JT W OF EAST HAYWOOD ST (A.K.A.																							
			E 1ST ST) 0.42MI E OF NC 73 TO END C&G 480FT E OF																							
10621	2	NC 731	SR 1107 (NORTHVIEW RD)	2	2	2WU	1.37	26	160			80	15,000	5,720			4	4	15,000	5,720		4	4	132	90	14
15	_		N JOINT OF BRIDGE # 45 TO JOINT SOUTH OF SR1154								*															
10. mg	3	NC 109 N		3, 4	2	2WU	1.66	27	200		*		14,300	17,862											133	
.08 Itgc			FROM PVT JT S OF NC 109 TO PVT JT S OF W																							
2019CPT.08.07.1 Montgomer	_		HAYWOOD ST (NON-SYSTEM) LOCATED 1,000FT S OF	_													_									
190	4	NC 73	NC 731	5	2	2WU	0.515	36	60	16		120	6,330	6,000	30	55	4		6,330	6,000	55	4		35	68	5
70		PEKIN FIRE																								
		DEPARTMENT																								
111	5	DRIVEWAY	PATCH AND RESURFACE FD DRIVEWAY	6	2	2WU	0.009	47	10																	
			BRIDGE JOINT N OF R/R BRIDGE #40 TO END 3-LANE																							
	6	NC 73	SECTION 0.137MI E OF SR 1108 (PARKERTOWN RD)	7	2	2WU	t	36	21				3,050	300	60	60	4									55
		TOTAL FOR F	PROJ NO. 2019CPT.08.07.10621				4.239		511	16		200	41,980	29,882	90	115	12	4		11,720	55	8	4	167	329	74
													71,8	862	20	)5	10	6	36,3	350		1	2		40	03
		SR 1376 (AIRPORT	FROM AIRPORT GATE TO US 220 BUS.( S. MAIN ) TO																							
	7	RD.)	JOINT AT TRE ISLAND	8	)	2WU	0.16	20	20																	
111	,	•	FROM SR 1337 (LAMBERT DR) TO SR 1376 (AIRPORT		+-	200	0.10	20																		
	8	DR)	RD)	3	2	2WU	1.53	21	172																	
111	J	SR 1575	,		<u> </u>	200	1.55		172																	
	9	(YARBUROGH RD)	FROM SR 1533 (CEMETERY RD) TO US 220A	3	2	2WU	2.65	21	297		*															
111		WEST			1																					
521		MONTGOMERY																								
20 ry		MIDDLE SCHOOL																								
.07 me	10	PARKING LOT	SCHOOL BUS PARKING AREA	9	2	2WU	0.053	118																		
2019CPT.08.07.20621 Montgomery	10	WEST	SOLIO E BOSTANIAN CANALA		† <u>-</u>	1	0.055	110																		
TO No		MONTGOMERY																								
190 N		MIDDLE SCHOOL																								
20	11	BUS DRIVE	FROM HWY 109 TO BUS PARKING AREA	2	)	2\\/\\	0.14	25																		
111		SR 1194	FROM SR 1139 (WARNER RD) TO SR 1195 (DEERFIELD		+-	2000	0.14	23																		
	12	(DEERFIELD CIR)	CIR)	3	)	2WU	0.08	18	9																	
11	12	SR 1195	FROM SR 1194 (DEERFIELD CIR) TO SR 1138 (DAIRY	,	+-	1200	0.00	10																		
	13	(DEERFIELD CIR)	RD)	2	)	2\\/\\	0.42	18	50																	
111	13	SR 1131 (SMITH	FROM SR 1133 (DEBERRY RD) TO SR 1132 (STONEY			2000	0.42	10	30																	
	14	DR)	FORK CHURCH RD)	3	1	2WU	0.43	20	50																	
	14	•	PROJ NO. 2019CPT.08.07.20621	)	-	2000	5.463	20	<b>598</b>																	
		TOTALIONI					3.403			1					ll		1			<u> </u>	I			<u> </u>		
			GRAND TOTAL				9.702		1,109	16	1	200	41,980	29,882	90	115	12	4	24,630	11,720	55	8	4	167	329	74
			GRAND IVIAL		1								71,8	862	20	)5	10	6	36,3	350		1	2		40	03



WARNING SIGNS FOR

HIGH SPEED FACILITIES

≥ 60 MPH

DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8,

TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

"UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE

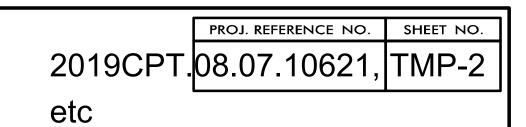
OF 46' OR GREATER. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE

DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER AND WITH DIVIDED MEDIANS

C:\Users\rmgarrett\Downloads\Resur User:rmaarrett

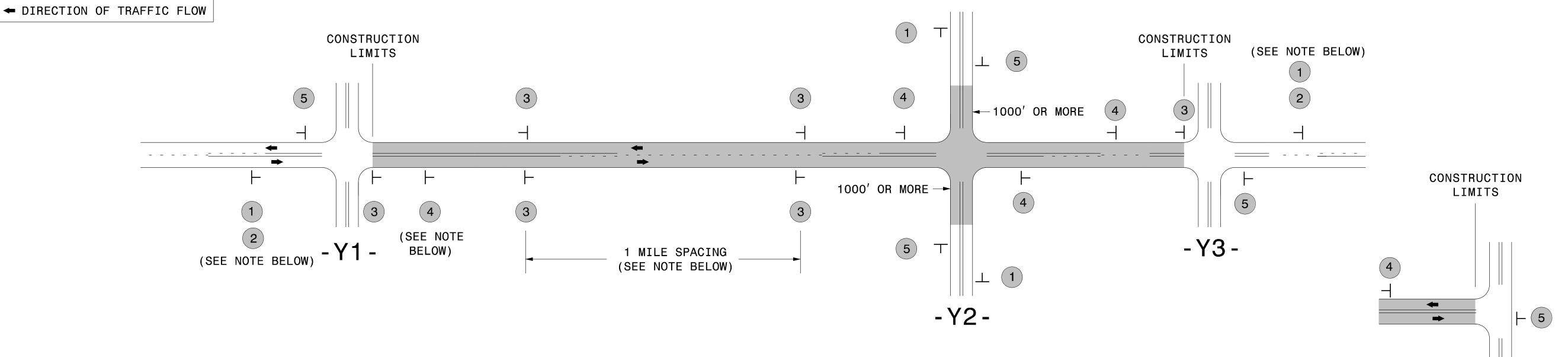
DIRECTION OF TRAFFIC

TRAFFIC DRUM



## SIGNING FOR RESURFACING PROJECTS

**LEGEND** ├─ STATIONARY SIGN



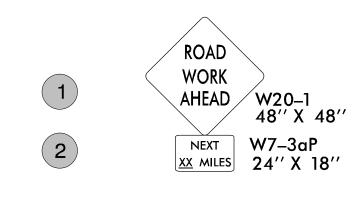
### TEE INTERSECTION

## MAINLINE (-L-) SIGNING

#### -Y- LINE SIGNING

## NOI ZO Ш $\triangleleft$ $\Box$ SH NO ER **5** IGNIN

SO



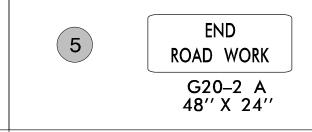
PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.

ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)



UNDER

- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY ½ 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. **ROAD** 
  - 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. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION
  - ALONG -L- LINE.



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 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 OF FLAGGER.



PLACED 250' IN ADVANCE OF FLAGGER.



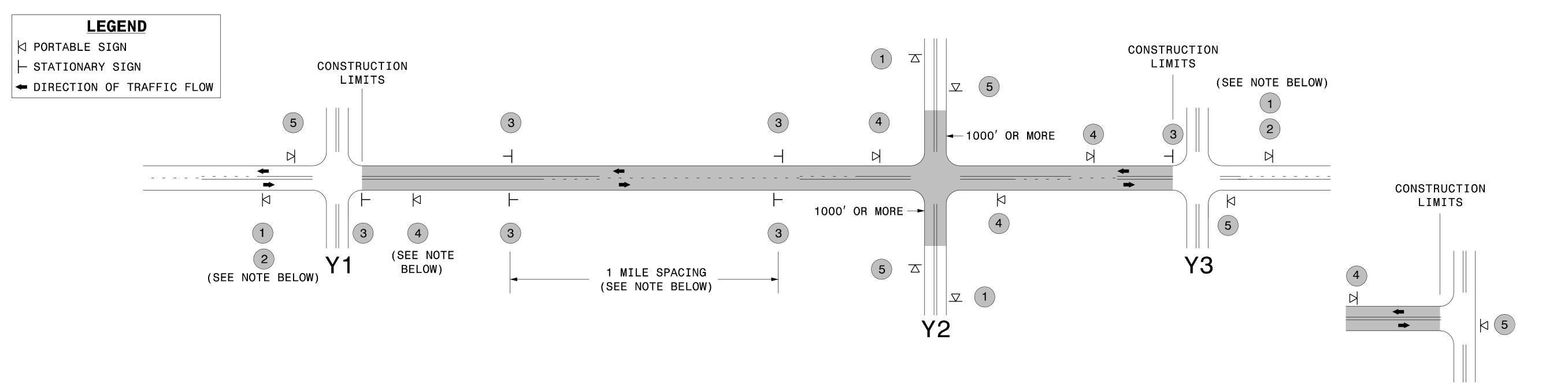
ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

PROJ. REFERENCE NO. SHEET NO. 2019CPT. 08.07.10621, TMP-3

TEE INTERSECTION

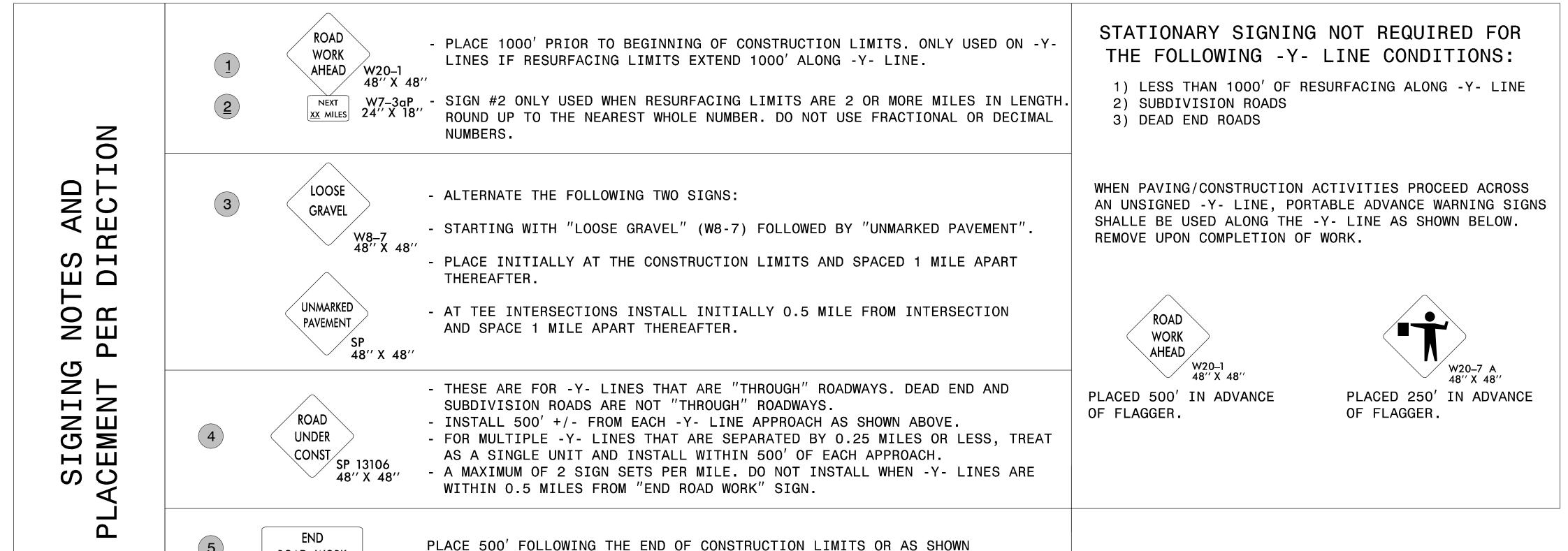
etc

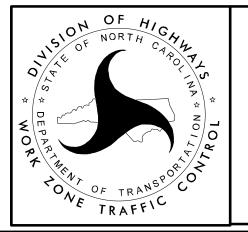
#### SIGNING FOR ASPHALT SURFACE TREATMENT



## MAINLINE (-L-) SIGNING

# -Y- LINE SIGNING





ADVANCE WARNING SIGNS
FOR
2-LANE ROADWAY
ASPHALT SURFACE TREATMENT

MAPS LESS THAN 2 MILES ROAD WORK

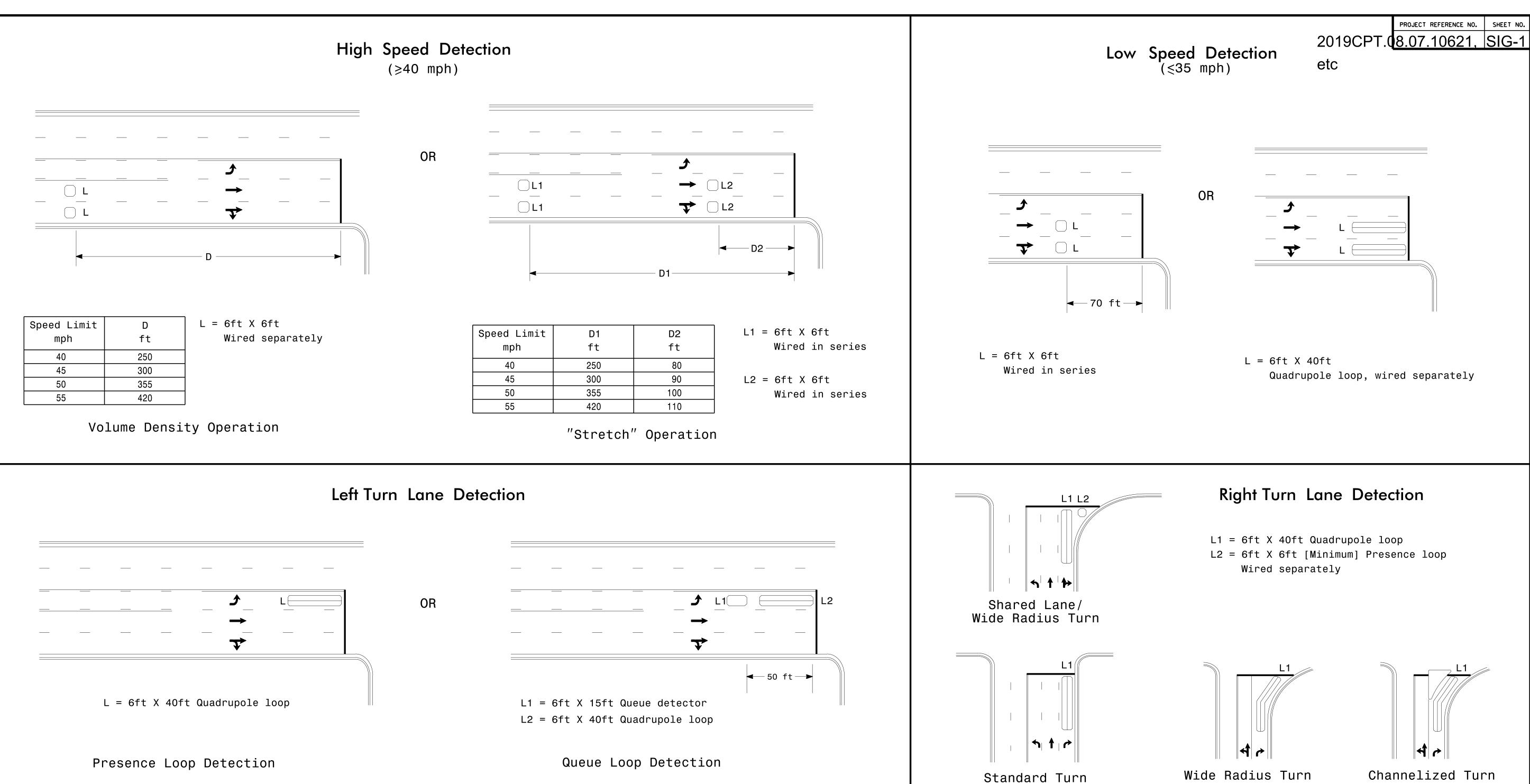
G20–2 A 48'' X 24''

START OF CONTRACT WORK.

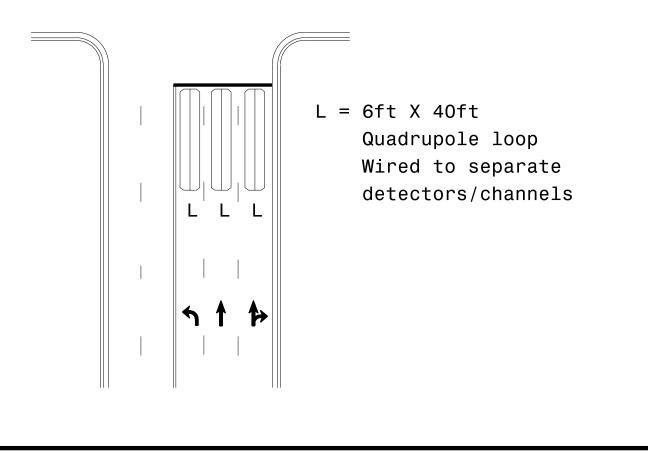
FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY "LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.

WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

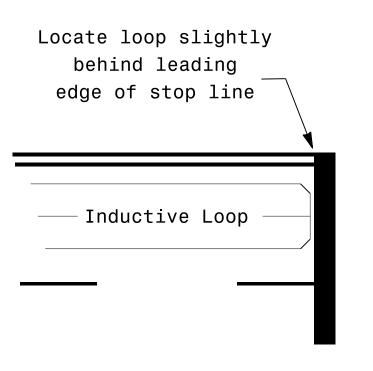
THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE







## Presence Loop Placement at Stop Lines



lane

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

## Single 6' X 6' loop

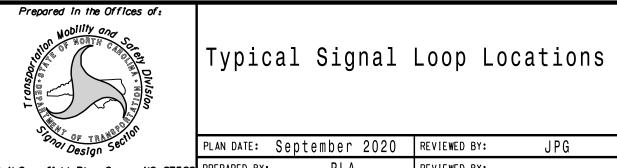
ien wired s	separately):
Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

Channelized Turn

PROJECT REFERENCE NO.

#### Recommended Number of Turns

Quadrupole loops: Use 2-4-2 turns 6' X 15' Loops: Lead-in < 150', use 2 turns Lead-in > 150', use 3 turns



PLAN DATE: September 2020 REVIEWED BY: 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: REVIEWED BY: PLA REVISIONS INIT. DATE SCALE N/A