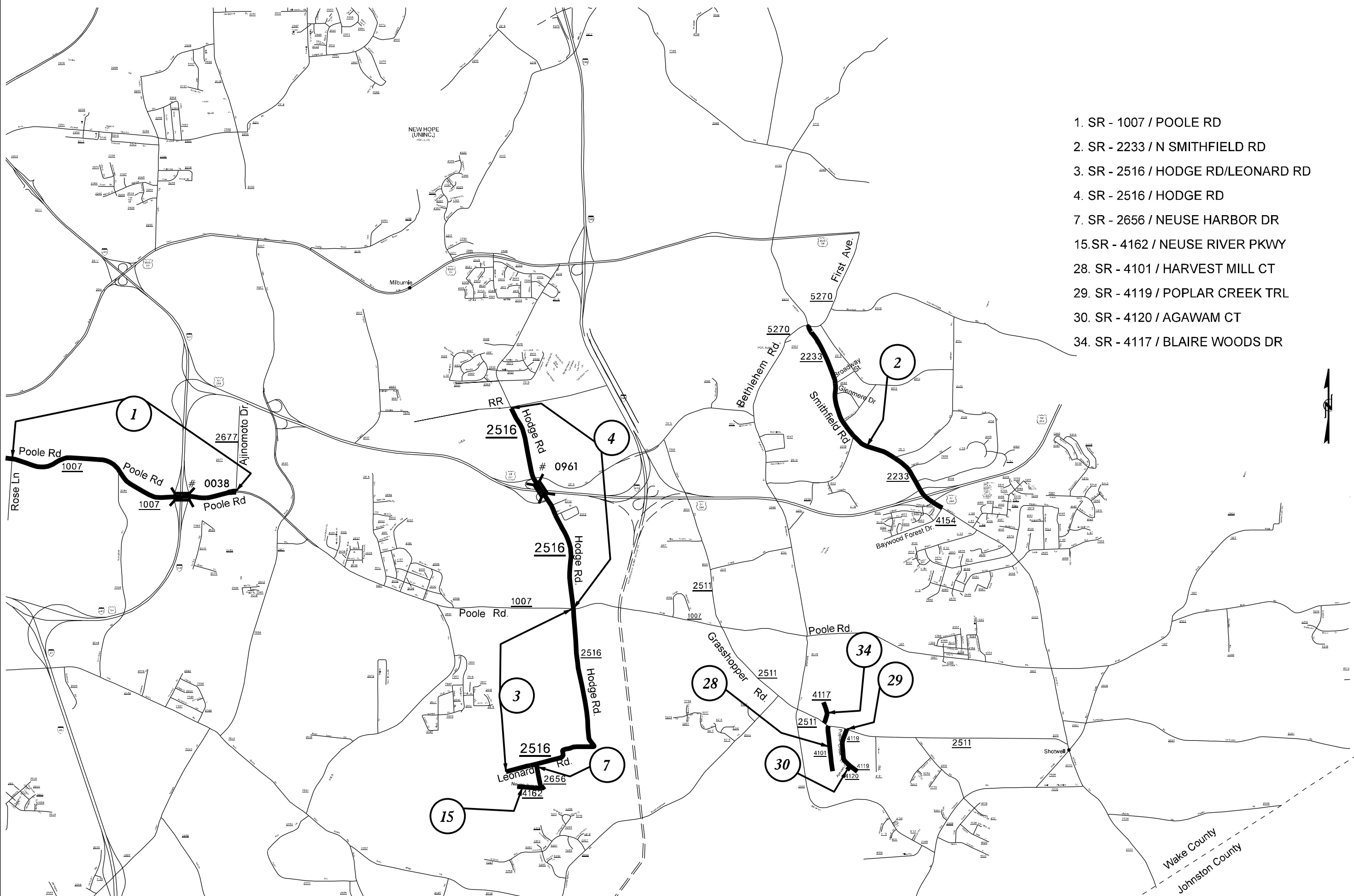


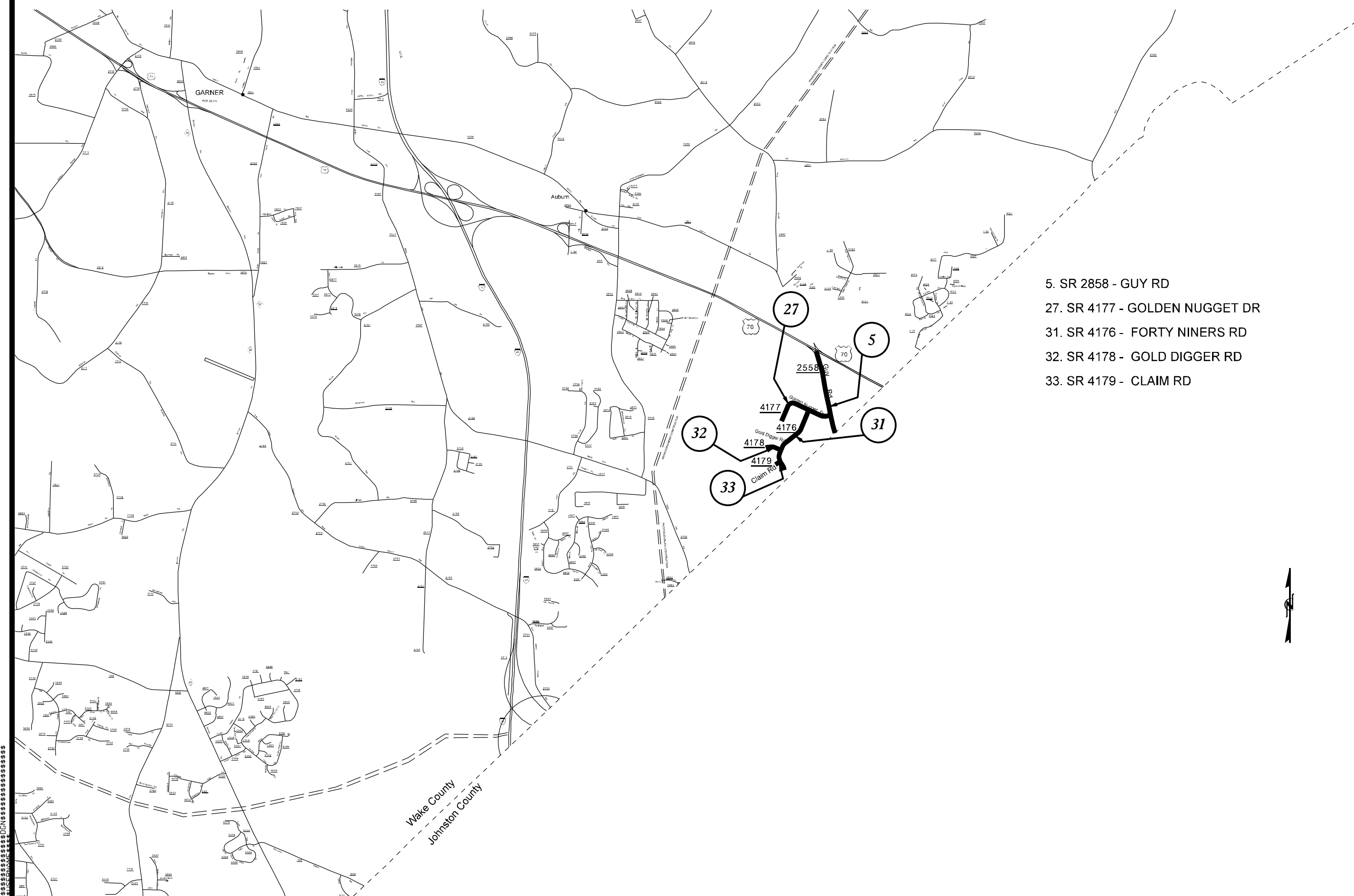
5/14/20

SYSTEMS ENGINEERING

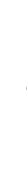


- 1. SR - 1007 / POOLE RD
- 2. SR - 2233 / N SMITHFIELD RD
- 3. SR - 2516 / HODGE RD/LEONARD RD
- 4. SR - 2516 / HODGE RD
- 7. SR - 2656 / NEUSE HARBOR DR
- 15. SR - 4162 / NEUSE RIVER PKWY
- 28. SR - 4101 / HARVEST MILL CT
- 29. SR - 4119 / POPLAR CREEK TRL
- 30. SR - 4120 / AGAWAM CT
- 34. SR - 4117 / BLAIRE WOODS DR

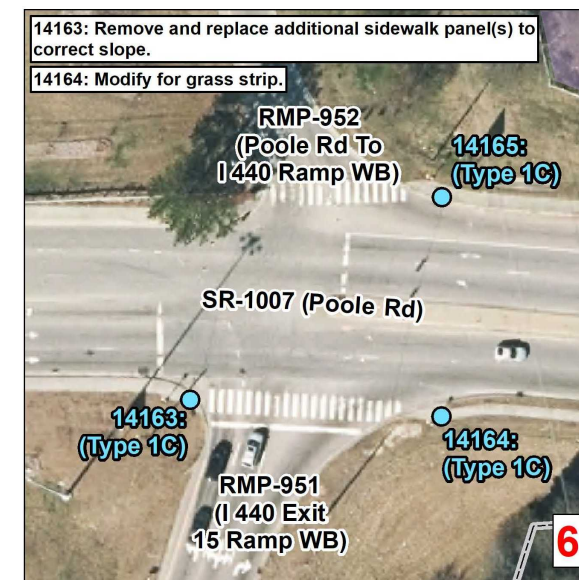
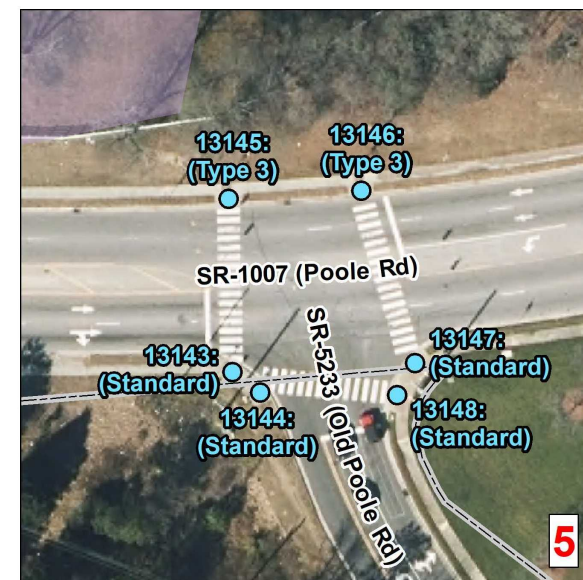
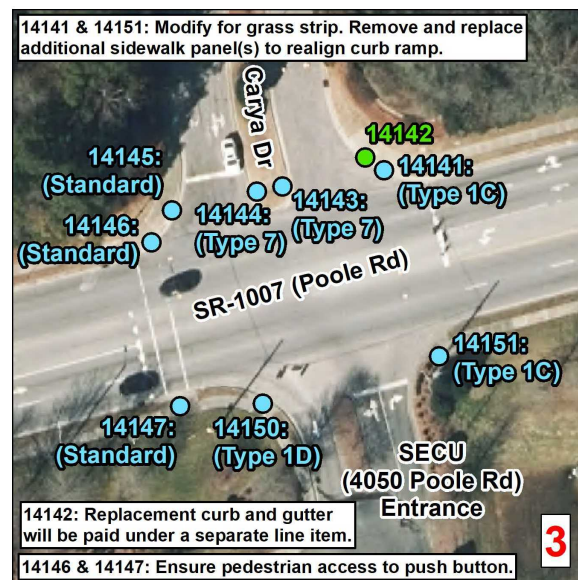
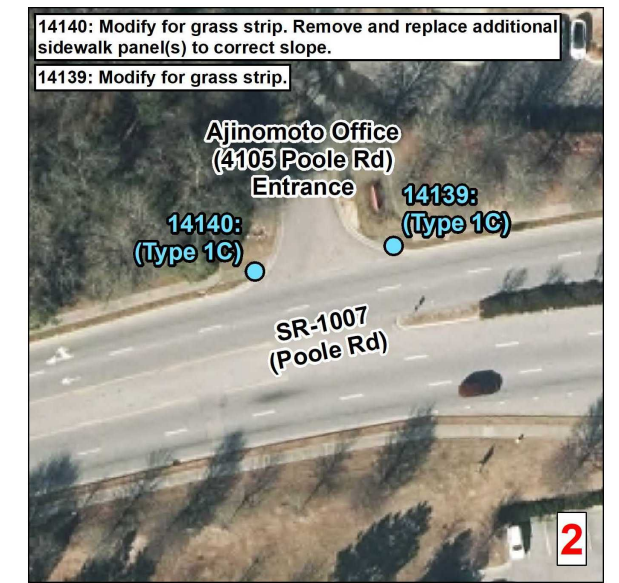
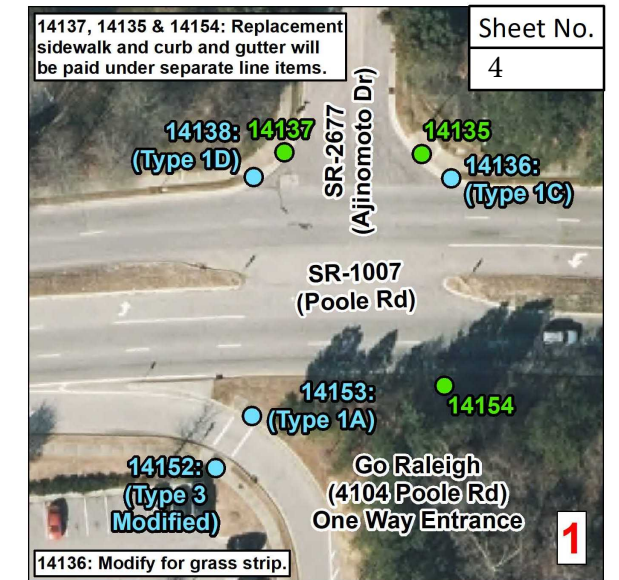
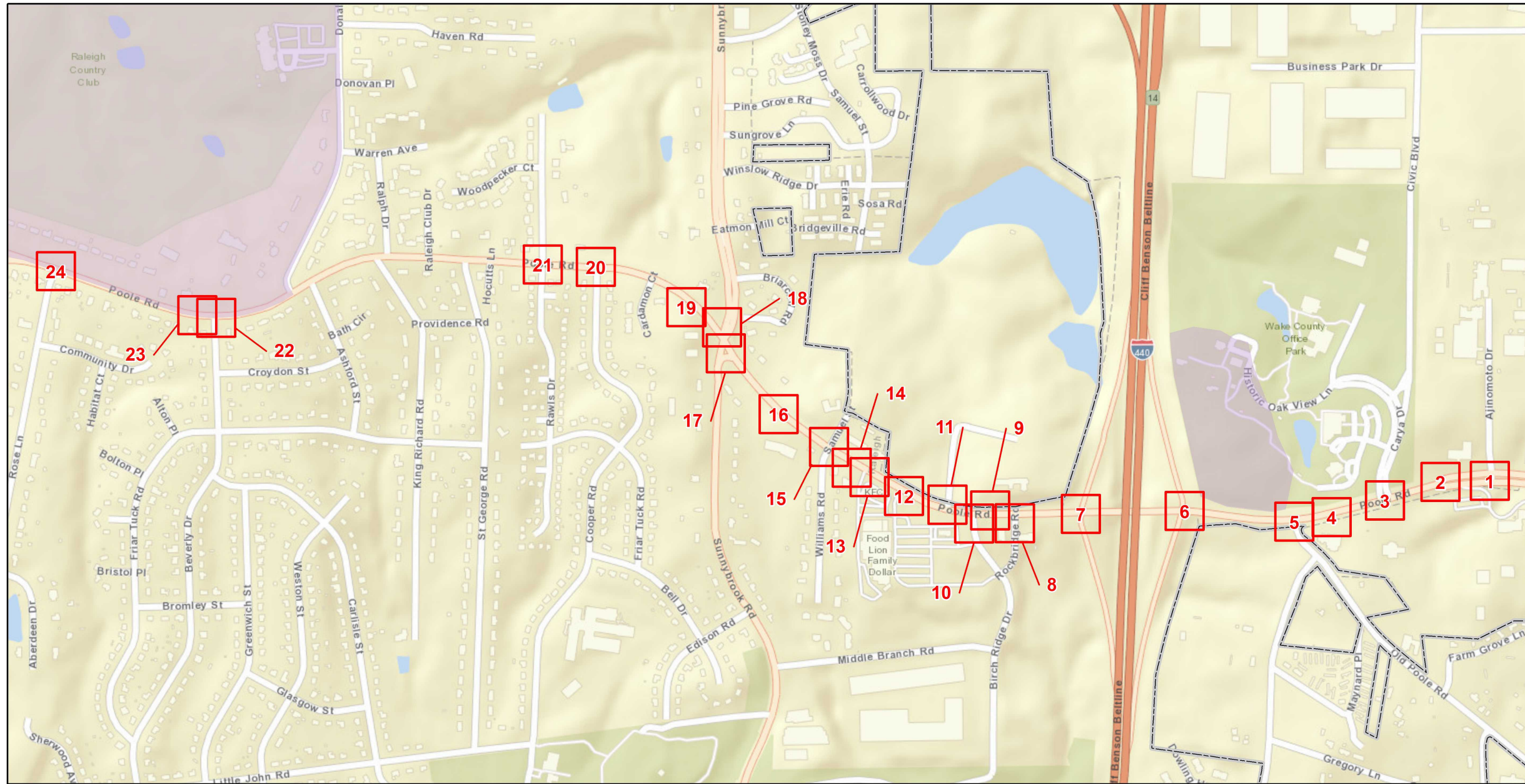




- 5. SR 2858 - GUY RD
- 27. SR 4177 - GOLDEN NUGGET DR
- 31. SR 4176 - FORTY NINERS RD
- 32. SR 4178 - GOLD DIGGER RD
- 33. SR 4179 - CLAIM RD



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Curb Ramps To Be Repaired

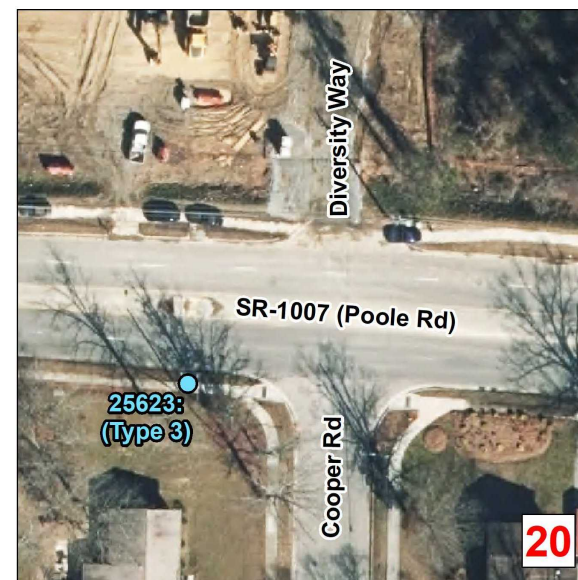
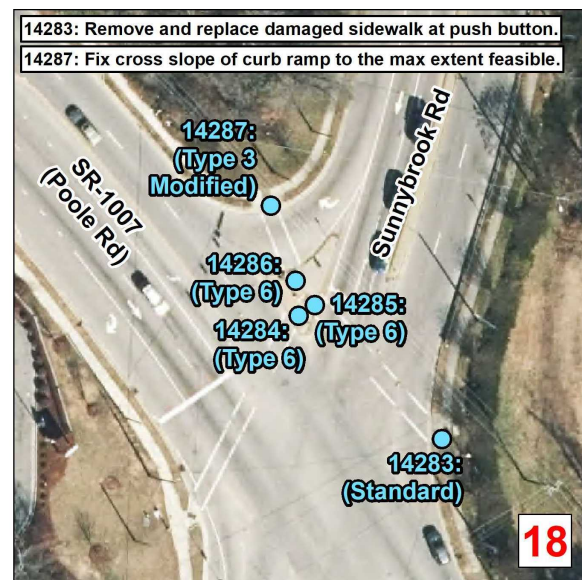
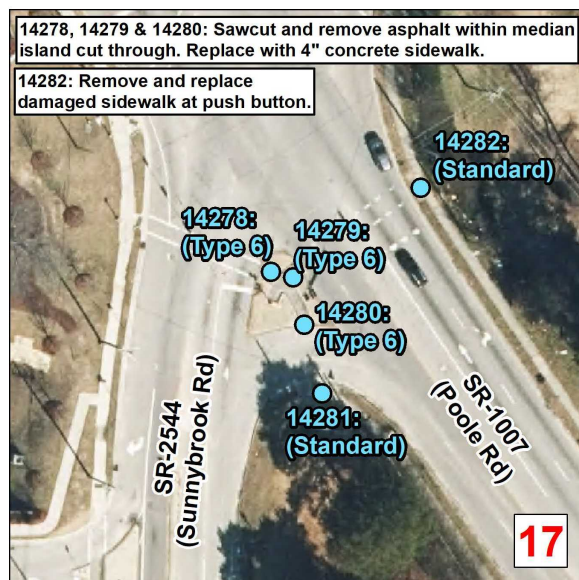
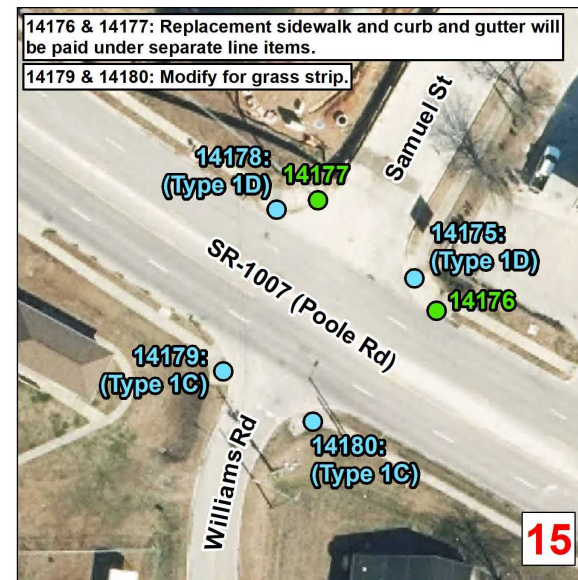
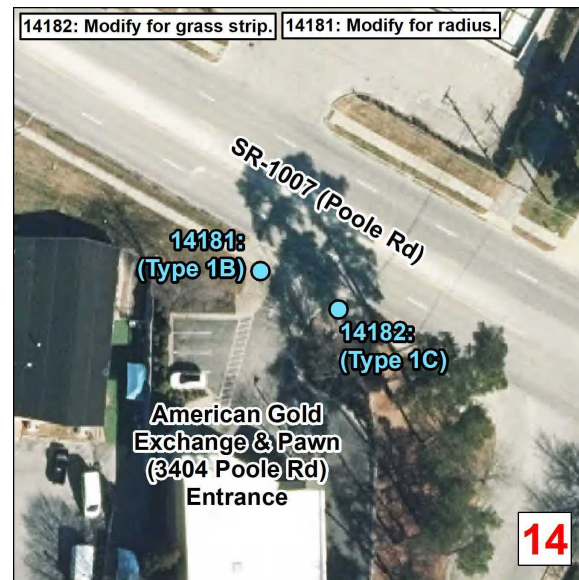
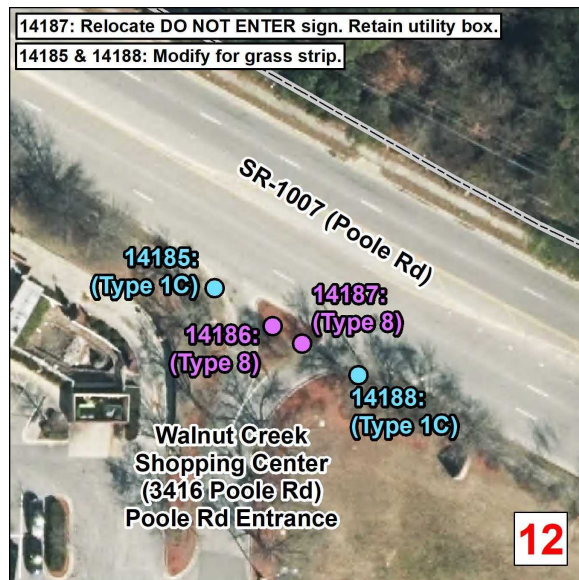
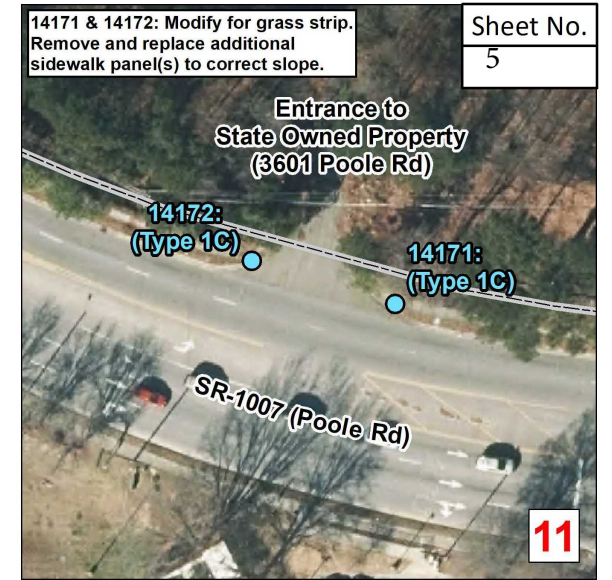
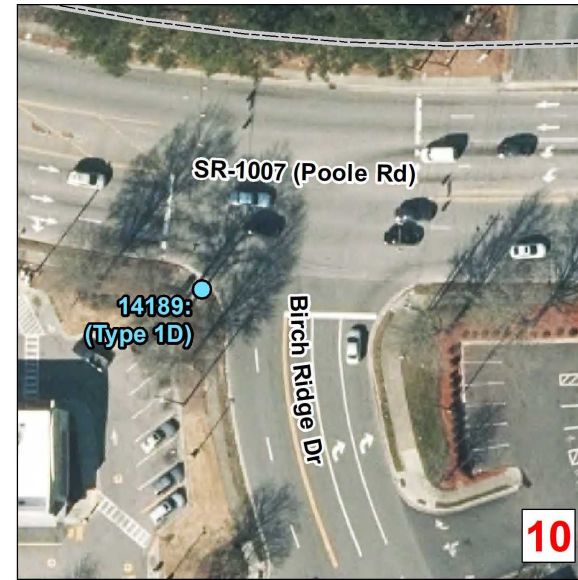
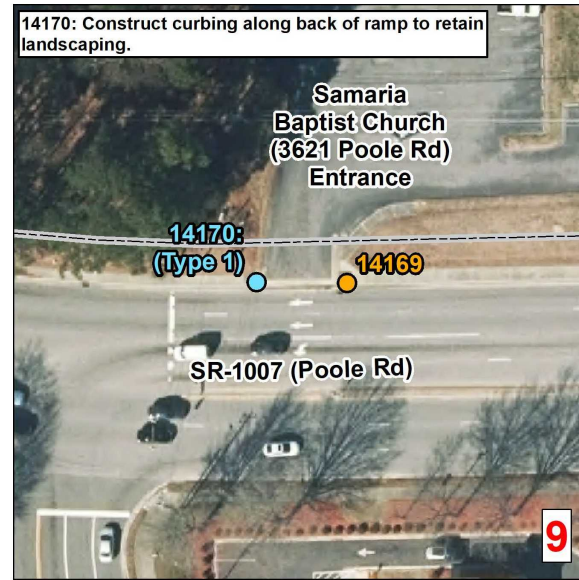
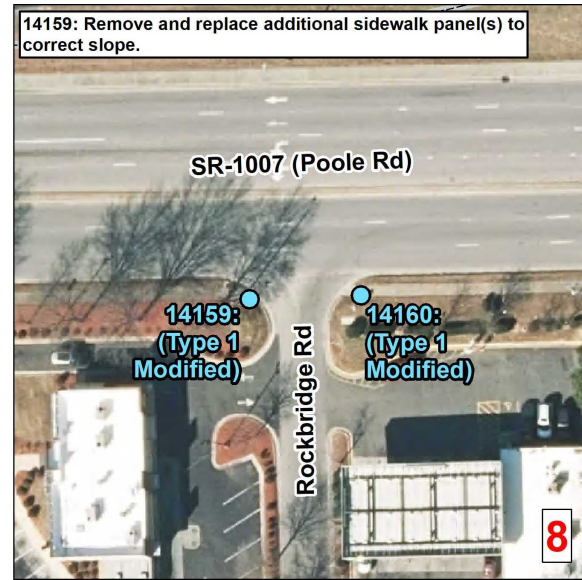
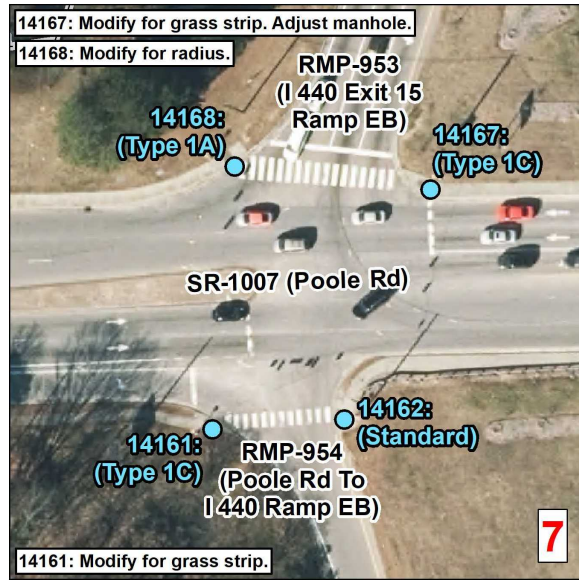
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

Wake
 Project Number: 2024CPT.05.09.20921.1
 Poole Rd
 From SR 2677 To Rose Ln



NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION 5

Source: NVS Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO




Curb Ramps To Be Repaired

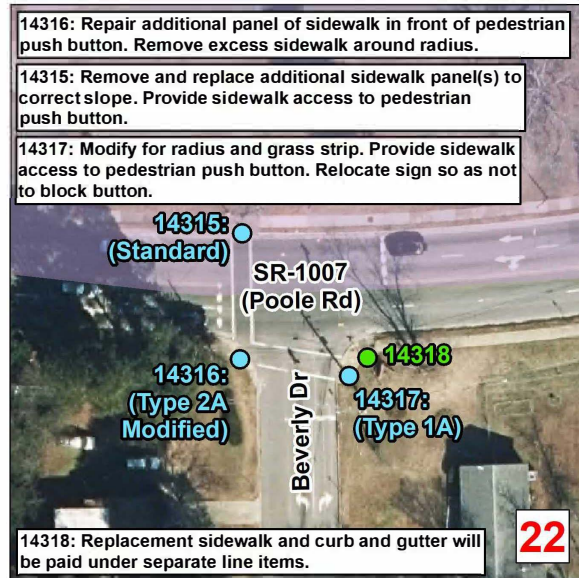
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

 Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

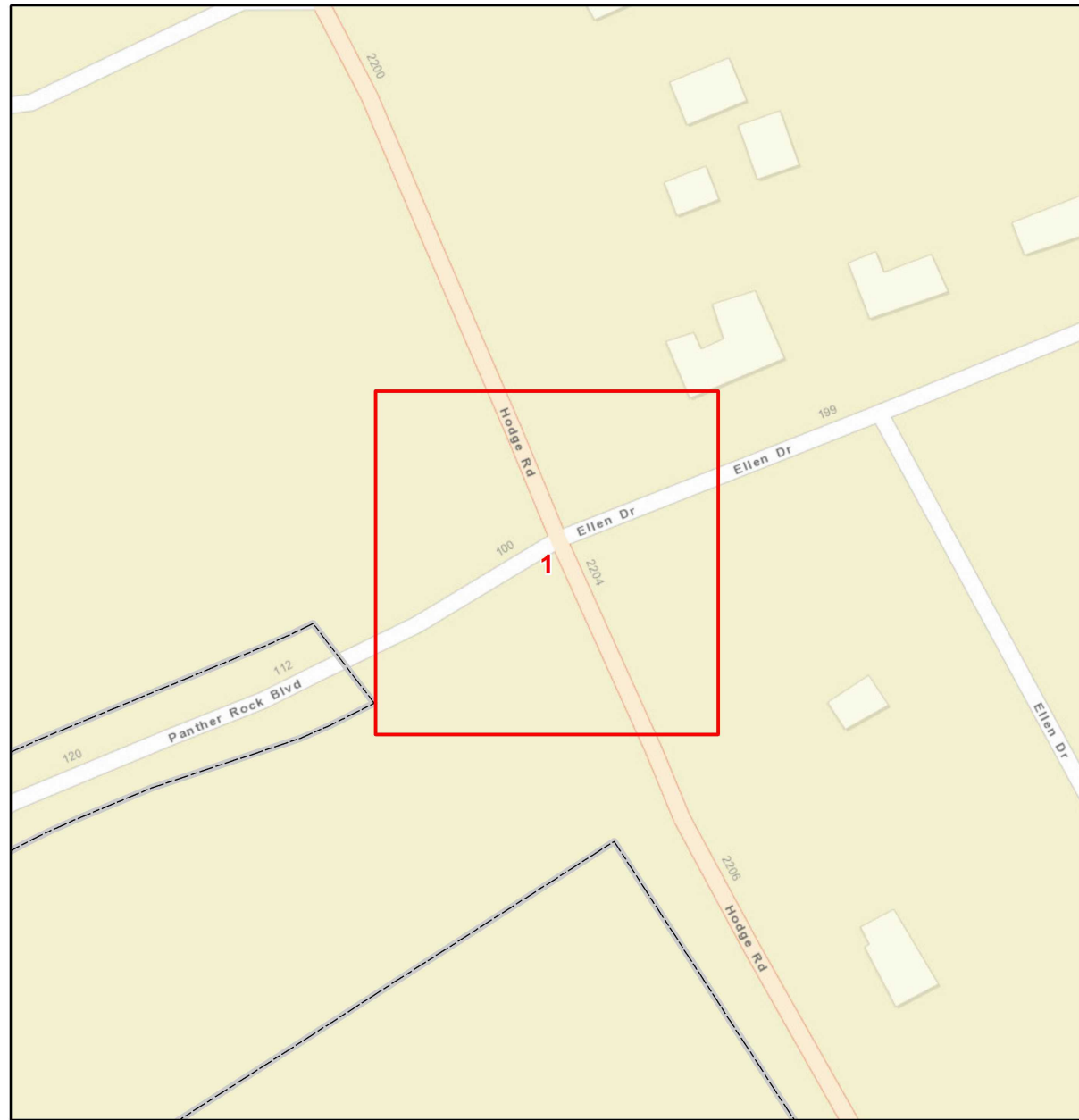
Wake
Project Number: 2024CPT.05.09.20921.1
Poole Rd
From SR 2677 To Rose Ln


 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION 5

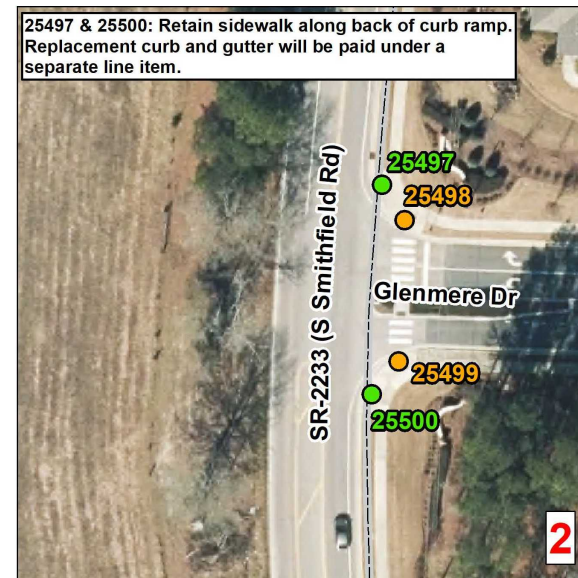
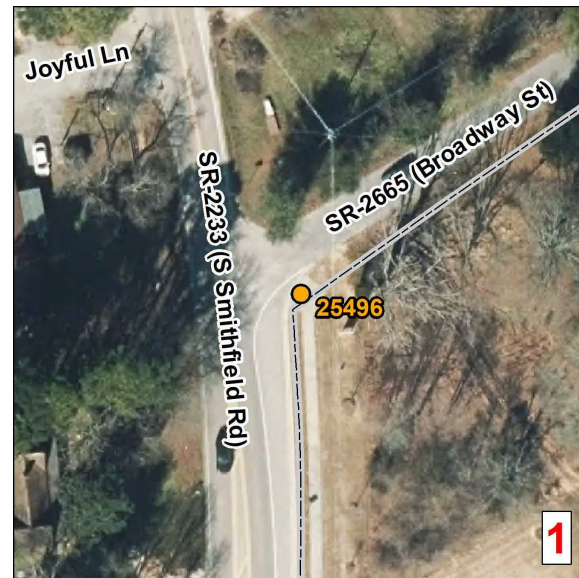
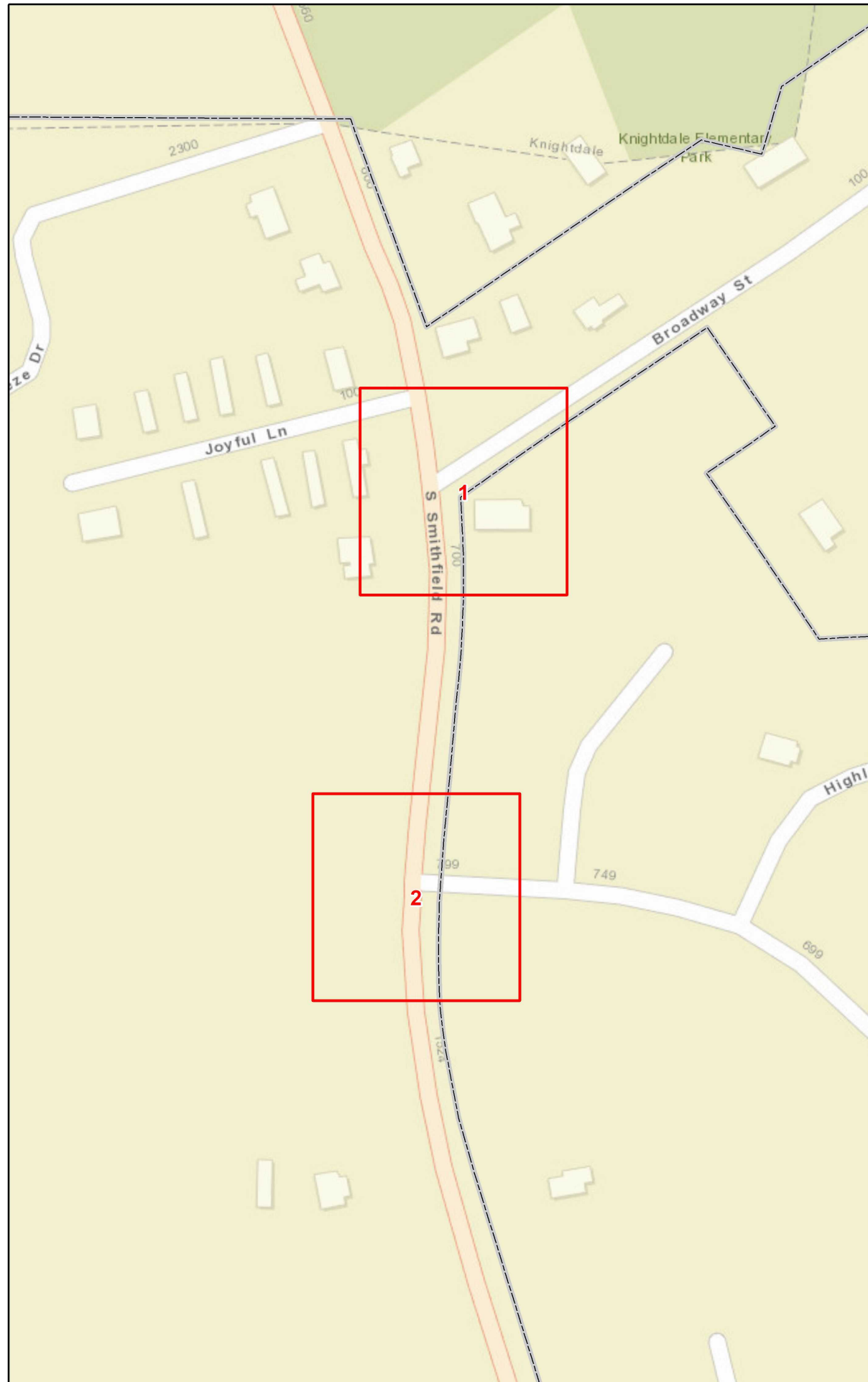
Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



Curb Ramps To Be Repaired		
	Retrofit	
	Remove and Replace	
	New Curb Ramp	
	Remove Ramp	
	Other	
	Municipal Boundary	
	NCHPO Historic Boundary (NR and LHD)	
Wake		
Project Number: 2024CPT.05.09.20921.1		
Poole Rd		
From SR 2677 To Rose Ln		
	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 5	
<small>Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO</small>		



Curb Ramps To Be Repaired		
●	Retrofit	
●	Remove and Replace	
●	New Curb Ramp	
●	Remove Ramp	
■	Other	
	Municipal Boundary	
	NCHPO Historic Boundary (NR and LHD)	
Wake Project Number: 2024CPT.05.09.20921.1 Hodge Rd From RR To SR 1007		
		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 5
Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO		



25497 & 25500: Retain sidewalk along back of curb ramp. Replacement curb and gutter will be paid under a separate line item.

Curb Ramps To Be Repaired		
<ul style="list-style-type: none"> ● Retrofit ● Remove and Replace ● New Curb Ramp ● Remove Ramp ■ Other 	<ul style="list-style-type: none"> Municipal Boundary NCHPO Historic Boundary (NR and LHD) 	
<p>Wake Project Number: 2024CPT.05.09.20921.1 S Smithfield Rd From SR 5270 To SR 4154</p>		
		<p>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 5</p>
<p>Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO</p>		

PAVEMENT SCHEDULE

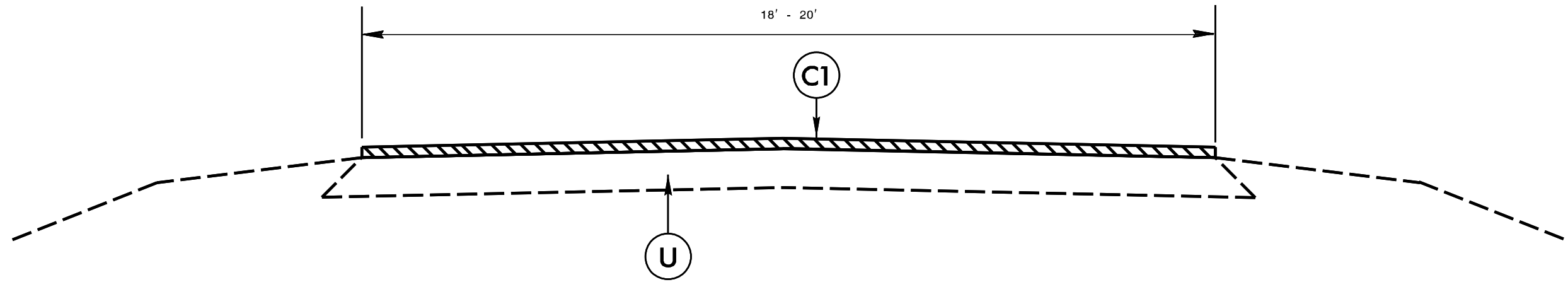
PROJECT REFERENCE NO.

SHEET NO.

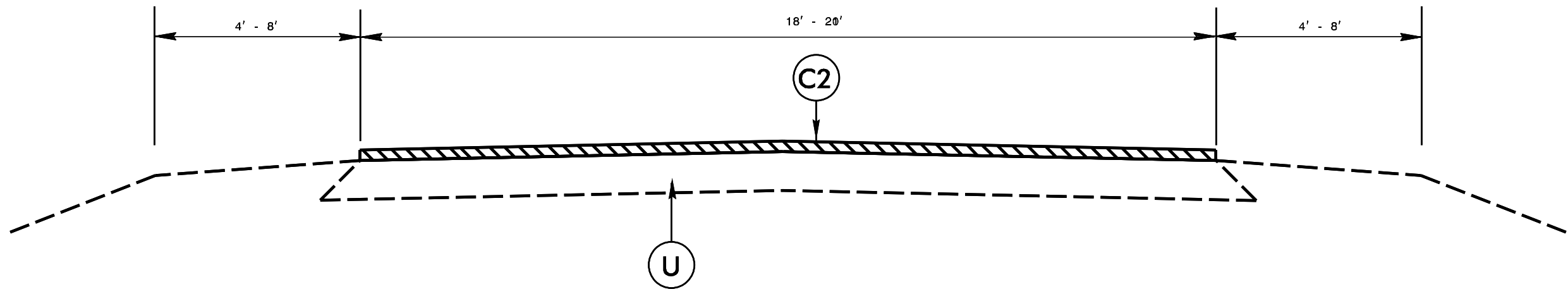
2024CPT.05.09.20921.1, ETC.

9

S	SHOULDER RECONSTRUCTION
C1	1" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C3	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	1½" MILLING
V2	0" - 1 ½" MILLING



TYPICAL SECTION NO. 1

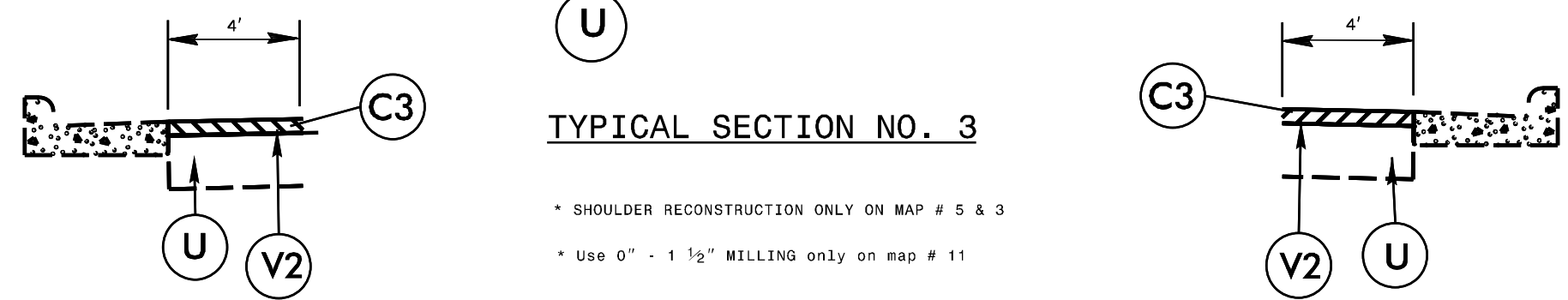
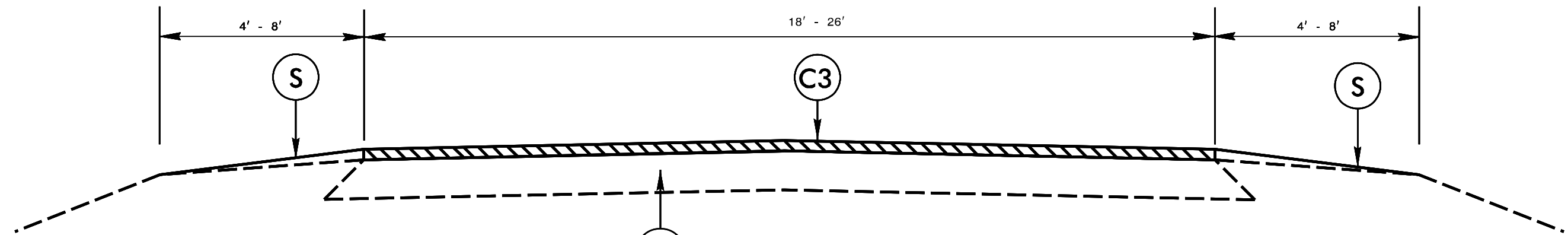


TYPICAL SECTION NO. 2

PAVEMENT SCHEDULE

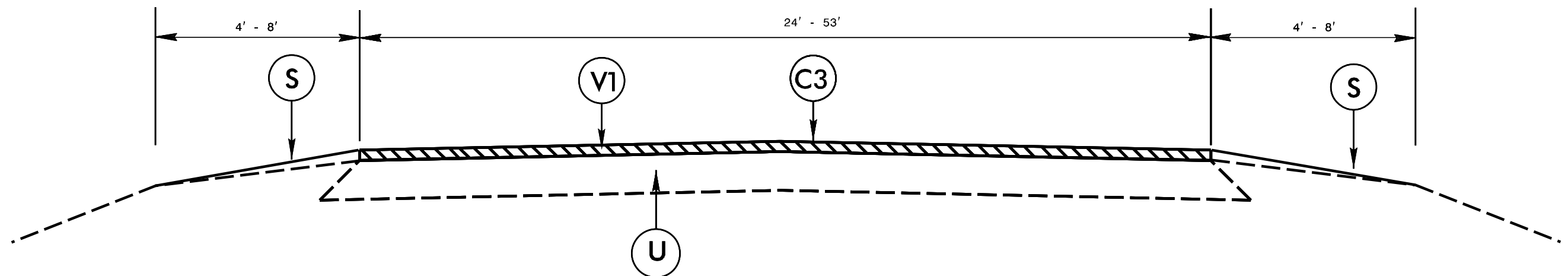
		S	SHOULDER RECONSTRUCTION
C1	1" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.	U	EXISTING PAVEMENT
C2	1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.	V1	1½" MILLING
C3	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.	V2	0" - 1 ½" MILLING
C4	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.		

PROJECT REFERENCE NO. 2024CPT.05.09.20921.1, ETC.	SHEET NO. 10
--	-----------------



TYPICAL SECTION NO. 3

* SHOULDER RECONSTRUCTION ONLY ON MAP # 5 & 3
 * Use 0" - 1 ½" MILLING only on map # 11



TYPICAL SECTION NO. 4

* SHOULDER RECONSTRUCTION ONLY ON MAP # 4

PAVEMENT SCHEDULE

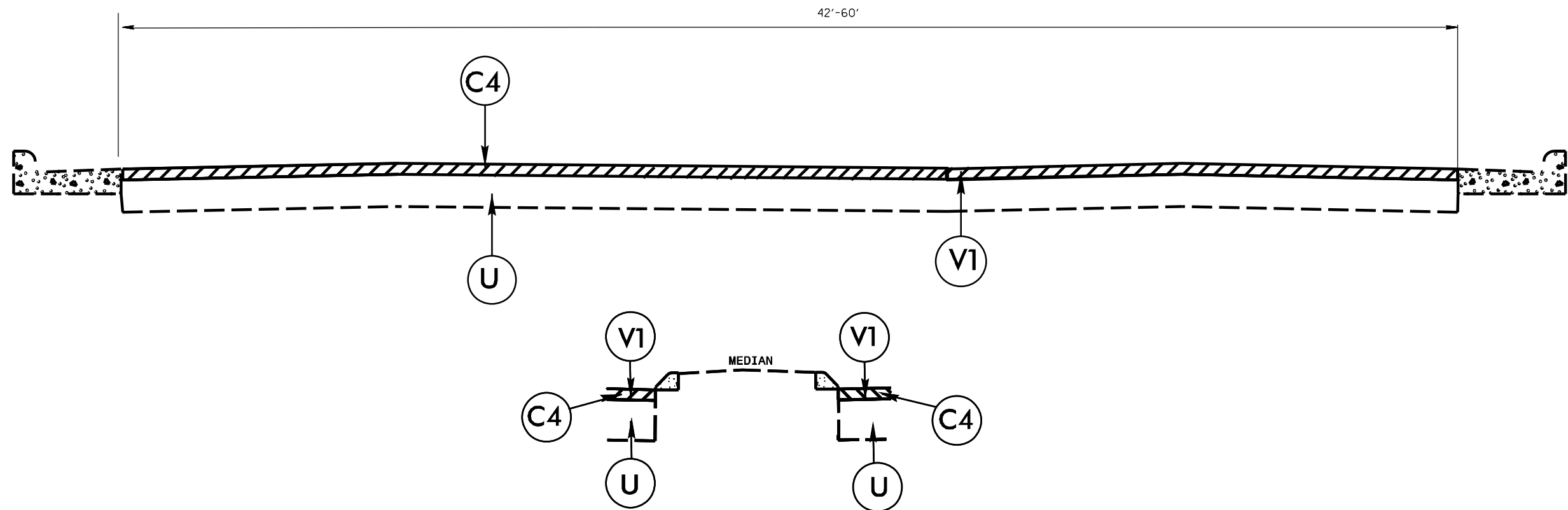
PROJECT REFERENCE NO.

SHEET NO.

2024CPT.05.09.20921.1, ETC.

11

C1	1" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.	U	EXISTING PAVEMENT
C2	1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.	V1	1½" MILLING
C3	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.	V2	0" - 1 ½" MILLING
C4	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.		



TYPICAL SECTION NO. 5

PAVEMENT SCHEDULE

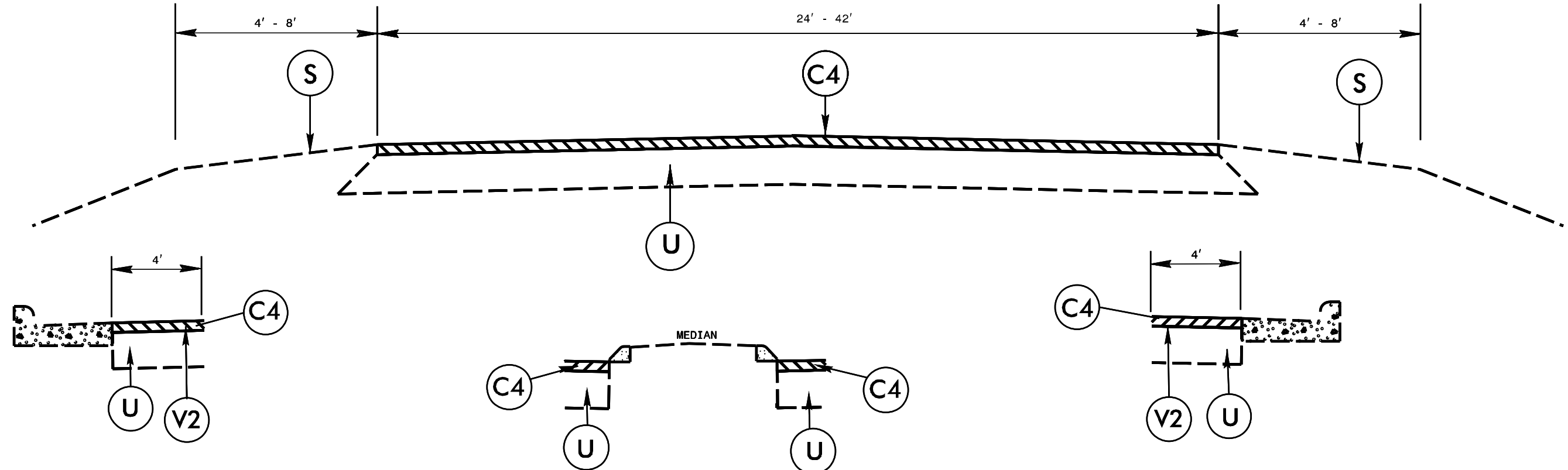
PROJECT REFERENCE NO.

SHEET NO.

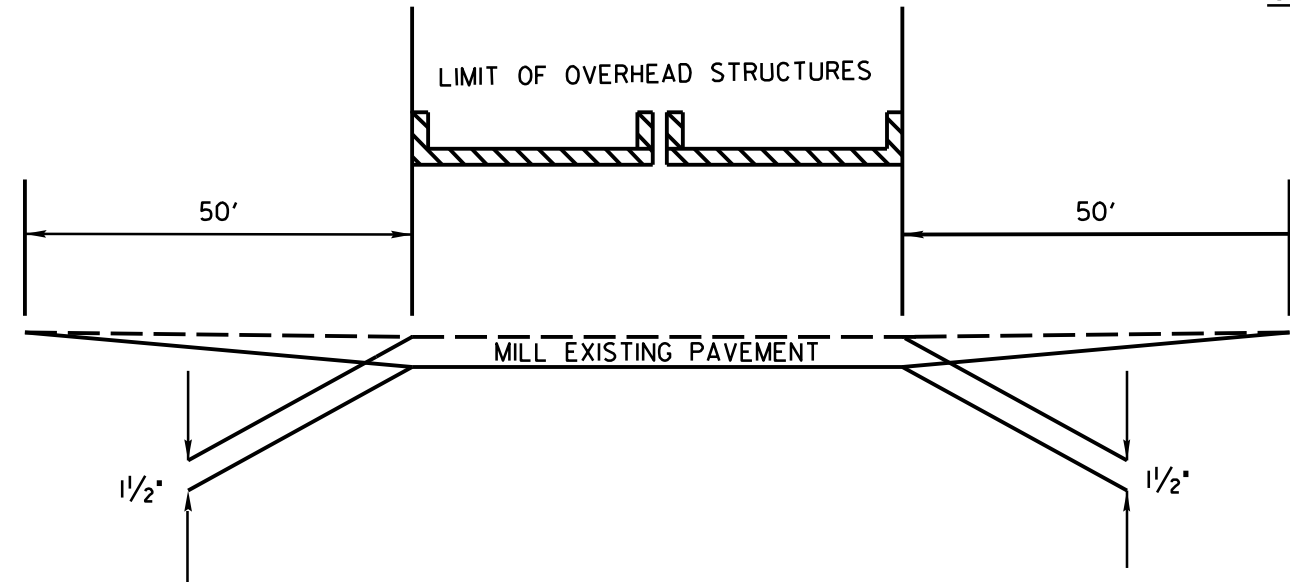
2024CPT.05.09.20921.I, ETC.

12

C1	1" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.	S	SHOULDER RECONSTRUCTION
C2	1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.	U	EXISTING PAVEMENT
C3	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.	V1	1½" MILLING
C4	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	V2	0" - 1 ½" MILLING



TYPICAL SECTION NO. 6



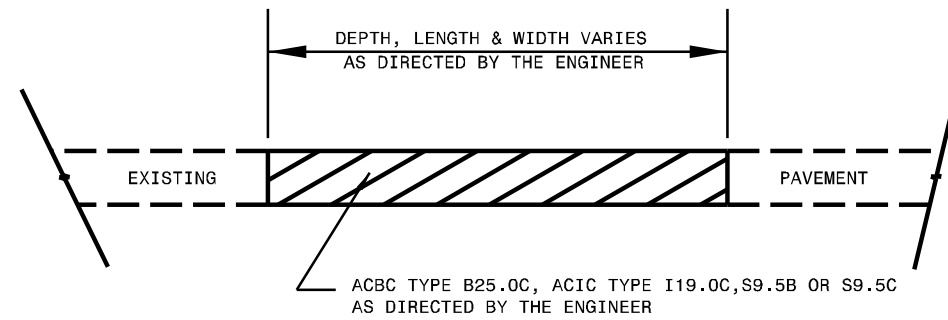
* Use 0" - 1 ½" MILLING on map # 2

when Overlaying 1.5" on SR-2233 / S SMITHFIELD RD map #2

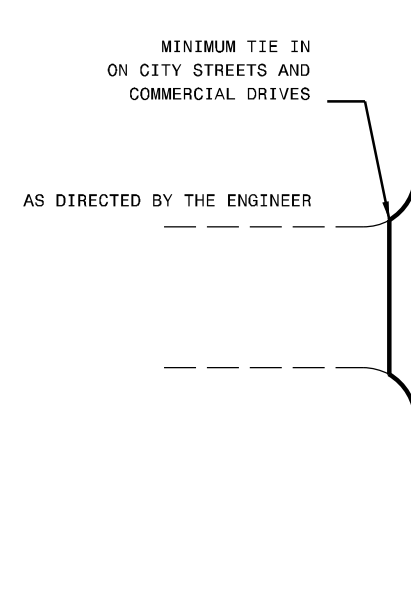
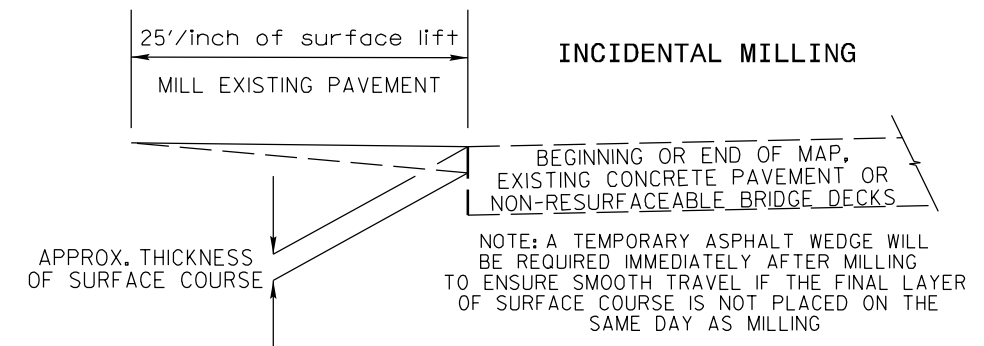
USE 1/2" MILLING TO MAINTAIN VERTICAL CLEARANCE under US 64 HWY EB & US 64 HWY WB Bridge

NOTES

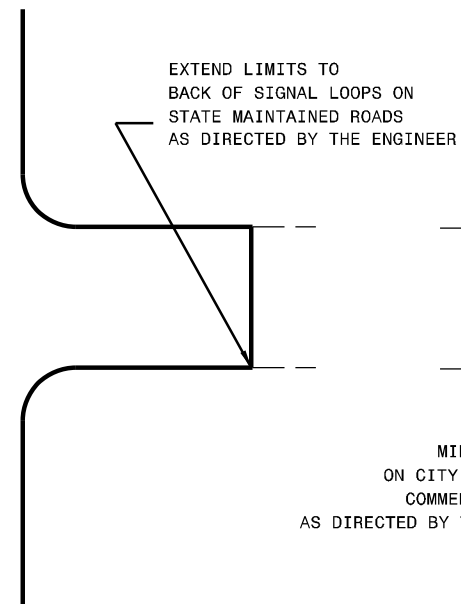
ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT
ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
BRIDGES TO BE RESURFACED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



PATCHING EXISTING PAVEMENT
MILLING TO BE PERFORMED PRIOR TO PATCHING

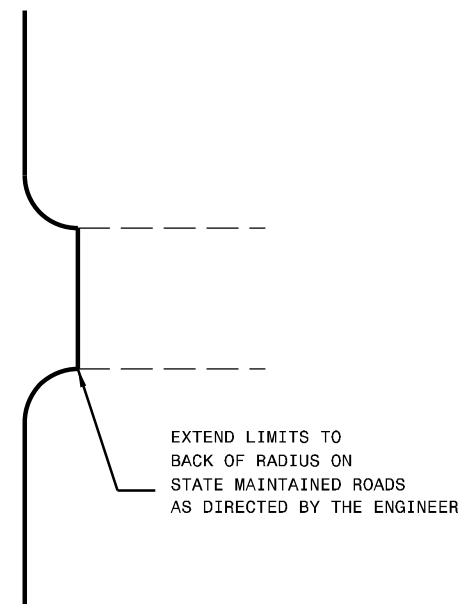


DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



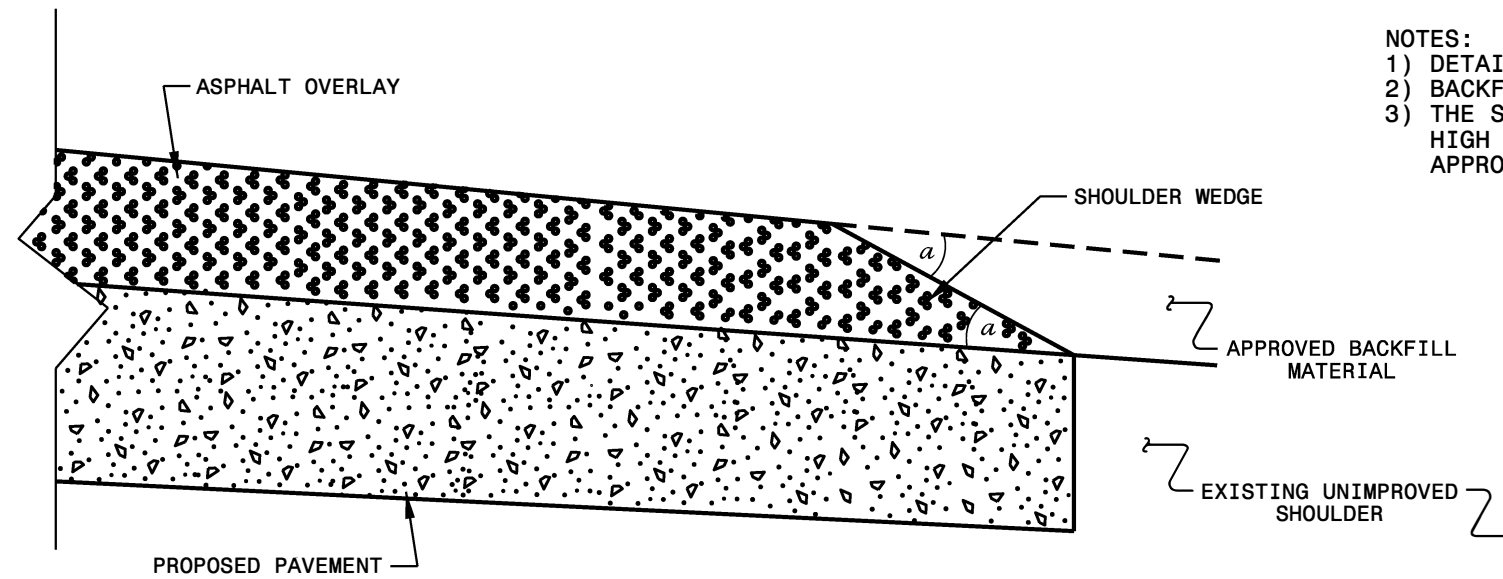
MINIMUM TIE IN ON CITY STREETS AND COMMERCIAL DRIVES AS DIRECTED BY THE ENGINEER

DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES



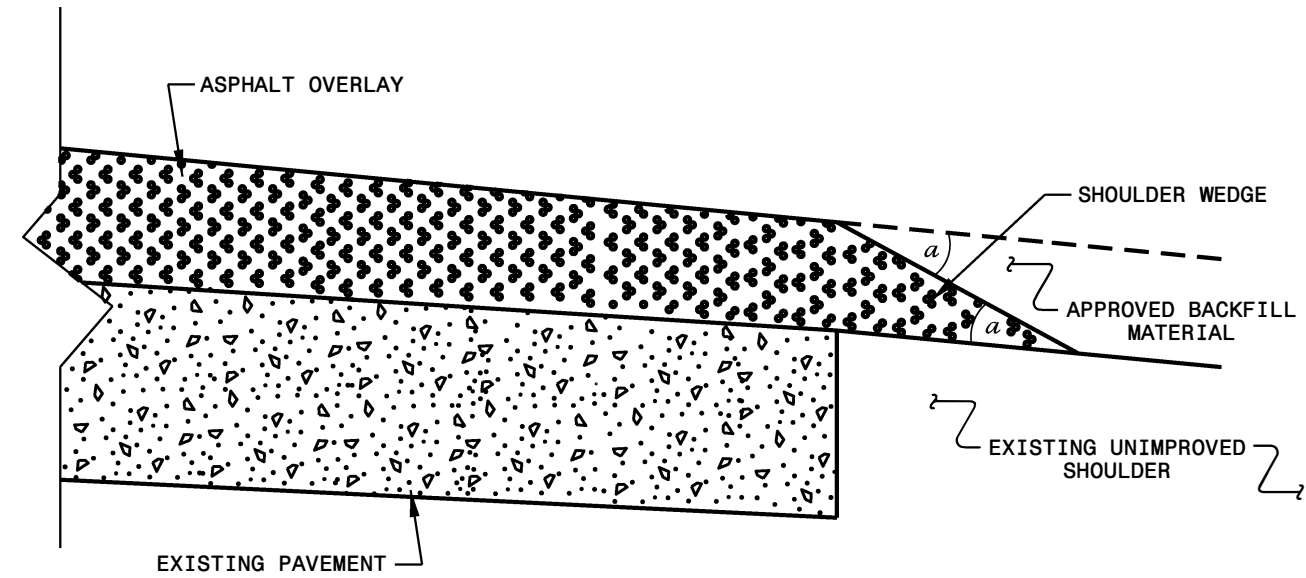
NOTES:

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



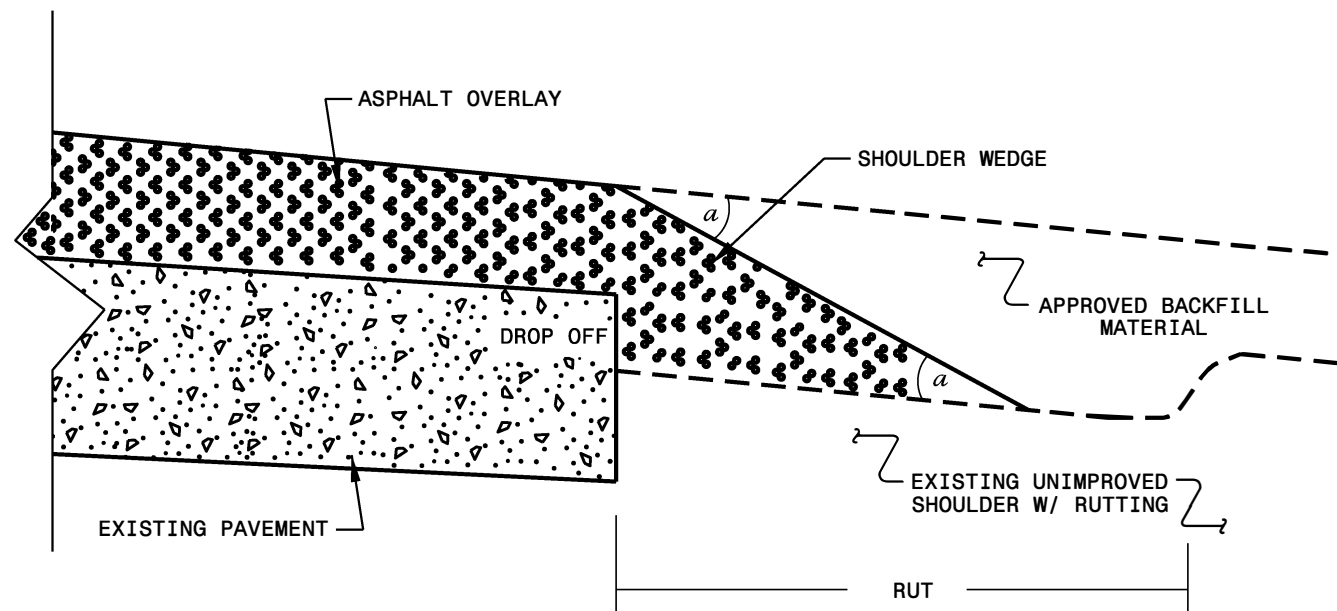
SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

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\shoulderwedgedetail.dgn	

ADA SUMMARY OF QUANTITIES - TOTALS

Project Number:	2024CPT.05.09.20921.1
County:	Wake

Sheet No.
15

Project Number	County	Municipality	Resurfacing Route	444700000-E (LF) Pedestrian Channelizing Devices	460000000-N (EA) Generic Traffic Control Item - Pedestrian Transport Service	460000000-N (EA) Generic Traffic Control Item - Audible Warning Device	015600000-E (SY) Removal of Existing Asphalt Pavement	253500000-E (LF) 8"x6" Median Curb	254900000-E (LF) 2'-6" Concrete Curb & Gutter	275200000-E (LF) Remove and Replace Curb & Gutter	259100000-E (SY) 4" Concrete Sidewalk	273800000-E (SY) Remove and Replace Sidewalk	273800000-E (SY) Remove Sidewalk	283000000-N (EA) Adjustment of Manholes	411610000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	273800000-E (SY) Remove Island	275900000-N (EA) Retrofit Curb Ramp Detectable Warnings	261250000-N (EA) Remove and Replace Concrete Curb Ramps	260500000-N (EA) Concrete Curb Ramps	275900000-N (EA) Remove Curb Ramps
SE	Wake	Raleigh	Poole Rd From SR 2677 To Rose Ln				26	10	150	10	102	64	2	1	2	6	1	69	2	10
SE	Wake	Knightdale Outside Municipality	Hodge Rd From RR To SR 1007	120	20	8	0	0	0	0	0	0	0	0	0	0	0	2	0	0
SE	Wake	Knightdale	S Smithfield Rd From SR 5270 To SR 4154				0	0	40	0	0	0	0	0	0	0	3	0	0	2
GRAND TOTAL				120	20	8	26	10	190	10	102	64	2	1	2	6	4	71	2	12

ADA SUMMARY OF QUANTITIES - POOLE RD FROM SR 2677 TO ROSE LN

Municipality:	Raleigh
Project Number:	2024CPT.05.09.20921.1
County:	Wake

Sheet No.	16
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Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	2535000000-E (LF) 8"x6" Median Curb	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	2738000000-E (SY) Remove Island	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type
14135	1	SR-1007 (Poole Rd)	SR-2677 (Ajinomoto Dr)			15											1	Remove Ramp
14136	1	SR-1007 (Poole Rd)	SR-2677 (Ajinomoto Dr)												1			Type 1C - 848.06
14137	1	SR-1007 (Poole Rd)	SR-2677 (Ajinomoto Dr)			15		9									1	Remove Ramp
14138	1	SR-1007 (Poole Rd)	SR-2677 (Ajinomoto Dr)												1			Type 1D - 848.06
14152	1	SR-1007 (Poole Rd)	Go Raleigh (4104 Poole Rd) One Way Entrance												1			Type 3 Modified - 848.06
14153	1	SR-1007 (Poole Rd)	Go Raleigh (4104 Poole Rd) One Way Entrance												1			Type 1A - 848.06
14154	1	SR-1007 (Poole Rd)	SR-2677 (Ajinomoto Dr)			15		9									1	Remove Ramp
14139	2	SR-1007 (Poole Rd)	Ajinomoto Office (4105 Poole Rd) Entrance												1			Type 1C - 848.06
14140	2	SR-1007 (Poole Rd)	Ajinomoto Office (4105 Poole Rd) Entrance						6						1			Type 1C - 848.06
14141	3	SR-1007 (Poole Rd)	Carya Dr						3						1			Type 1C - 848.06
14142	3	SR-1007 (Poole Rd)	Carya Dr			15											1	Remove Ramp
14143	3	SR-1007 (Poole Rd)	Carya Dr												1			Type 7 - 848.06
14144	3	SR-1007 (Poole Rd)	Carya Dr												1			Type 7 - 848.06
14145	3	SR-1007 (Poole Rd)	Carya Dr												1			Standard - 848.06
14146	3	SR-1007 (Poole Rd)	Carya Dr												1			Standard - 848.06
14147	3	SR-1007 (Poole Rd)	SECU (4050 Poole Rd) Entrance												1			Standard - 848.06
14150	3	SR-1007 (Poole Rd)	SECU (4050 Poole Rd) Entrance												1			Type 1D - 848.06
14151	3	SR-1007 (Poole Rd)	SECU (4050 Poole Rd) Entrance						6						1			Type 1C - 848.06
23323	4	SR-1007 (Poole Rd)	Ag Carolina Farm Credit (4000 Poole Rd) Entrance												1			Type 1C - 848.06
23324	4	SR-1007 (Poole Rd)	Ag Carolina Farm Credit (4000 Poole Rd) Entrance												1			Type 1C - 848.06
13143	5	SR-1007 (Poole Rd)	SR-5233 (Old Poole Rd)												1			Standard - 848.06
13144	5	SR-1007 (Poole Rd)	SR-5233 (Old Poole Rd)												1			Standard - 848.06
13145	5	SR-1007 (Poole Rd)	SR-5233 (Old Poole Rd)												1			Type 3 - 848.06
13146	5	SR-1007 (Poole Rd)	SR-5233 (Old Poole Rd)												1			Type 3 - 848.06
13147	5	SR-1007 (Poole Rd)	SR-5233 (Old Poole Rd)												1			Standard - 848.06
13148	5	SR-1007 (Poole Rd)	SR-5233 (Old Poole Rd)												1			Standard - 848.06
14163	6	SR-1007 (Poole Rd)	RMP-951 (I 440 Exit 15 Ramp WB)						3						1			Type 1C - 848.06
14164	6	SR-1007 (Poole Rd)	RMP-951 (I 440 Exit 15 Ramp WB)												1			Type 1C - 848.06
14165	6	SR-1007 (Poole Rd)	RMP-952 (Poole Rd To I 440 Ramp WB)												1			Type 1C - 848.06
14161	7	SR-1007 (Poole Rd)	RMP-954 (Poole Rd To I 440 Ramp EB)												1			Type 1C - 848.06
14162	7	SR-1007 (Poole Rd)	RMP-954 (Poole Rd To I 440 Ramp EB)												1			Standard - 848.06
Sub-Total				0	0	60	0	18	18	0	0	0	0	0	27	0	4	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - POOLE RD FROM SR 2677 TO ROSE LN

Municipality:	Raleigh
Project Number:	2024CPT.05.09.20921.1
County:	Wake

Sheet No.	17
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Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	2535000000-E (LF) 8"x6" Median Curb	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	2738000000-E (SY) Remove Island	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type
14167	7	SR-1007 (Poole Rd)	RMP-953 (I 440 Exit 15 Ramp EB)								1				1			Type 1C - 848.06
14168	7	SR-1007 (Poole Rd)	RMP-953 (I 440 Exit 15 Ramp EB)												1			Type 1A - 848.06
14159	8	SR-1007 (Poole Rd)	Rockbridge Rd						3						1			Type 1 Modified - 848.06
14160	8	SR-1007 (Poole Rd)	Rockbridge Rd												1			Type 1 Modified - 848.06
14169	9	SR-1007 (Poole Rd)	Samaria Baptist Church (3621 Poole Rd) Entrance											1				Retrofit Warnings
14170	9	SR-1007 (Poole Rd)	Samaria Baptist Church (3621 Poole Rd) Entrance		10										1			Type 1 - 848.06
14189	10	SR-1007 (Poole Rd)	Birch Ridge Dr												1			Type 1D - 848.06
14171	11	SR-1007 (Poole Rd)	Entrance to State Owned Property (3601 Poole Rd)						6						1			Type 1C - 848.06
14172	11	SR-1007 (Poole Rd)	Entrance to State Owned Property (3601 Poole Rd)						6						1			Type 1C - 848.06
14185	12	SR-1007 (Poole Rd)	Walnut Creek Shopping Center (3416 Poole Rd) Poole Rd Entrance												1			Type 1C - 848.06
14186	12	SR-1007 (Poole Rd)	Walnut Creek Shopping Center (3416 Poole Rd) Poole Rd Entrance					3								1		Type 8 - 848.06
14187	12	SR-1007 (Poole Rd)	Walnut Creek Shopping Center (3416 Poole Rd) Poole Rd Entrance					3				1				1		Type 8 - 848.06
14188	12	SR-1007 (Poole Rd)	Walnut Creek Shopping Center (3416 Poole Rd) Poole Rd Entrance												1			Type 1C - 848.06
14183	13	SR-1007 (Poole Rd)	KFC (3408 Poole Rd) Entrance												1			Type 1C - 848.06
14184	13	SR-1007 (Poole Rd)	KFC (3408 Poole Rd) Entrance												1			Type 4B - 848.06
14181	14	SR-1007 (Poole Rd)	American Gold Exchange & Pawn (3404 Poole Rd) Entrance												1			Type 1B - 848.06
14182	14	SR-1007 (Poole Rd)	American Gold Exchange & Pawn (3404 Poole Rd) Entrance												1			Type 1C - 848.06
14175	15	SR-1007 (Poole Rd)	Samuel St												1			Type 1D - 848.06
14176	15	SR-1007 (Poole Rd)	Samuel St			15		9									1	Remove Ramp
14177	15	SR-1007 (Poole Rd)	Samuel St			20		7									1	Remove Ramp
14178	15	SR-1007 (Poole Rd)	Samuel St												1			Type 1D - 848.06
14179	15	SR-1007 (Poole Rd)	Williams Rd												1			Type 1C - 848.06
14180	15	SR-1007 (Poole Rd)	Williams Rd												1			Type 1C - 848.06
14191	16	SR-1007 (Poole Rd)	Southeast Raleigh Childcare Complex (3308 Poole Rd)												1			Type 1C - 848.06
14192	16	SR-1007 (Poole Rd)	Southeast Raleigh Childcare Complex (3308 Poole Rd)												1			Type 1C - 848.06
Sub-Total				0	10	35	0	22	15	0	1	1	0	1	20	2	2	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - POOLE RD FROM SR 2677 TO ROSE LN

Municipality:	Raleigh
Project Number:	2024CPT.05.09.20921.1
County:	Wake

Sheet No.	18
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Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	2535000000-E (LF) 8"x6" Median Curb	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	2738000000-E (SY) Remove Island	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type
14278	17	SR-1007 (Poole Rd)	SR-2544 (Sunnybrook Rd)	11				11							1			Type 6 - 848.06
14279	17	SR-1007 (Poole Rd)	SR-2544 (Sunnybrook Rd)	5				5							1			Type 6 - 848.06
14280	17	SR-1007 (Poole Rd)	SR-2544 (Sunnybrook Rd)	10				10							1			Type 6 - 848.06
14281	17	SR-1007 (Poole Rd)	SR-2544 (Sunnybrook Rd)												1			Standard - 848.06
14282	17	SR-1007 (Poole Rd)	Sunnybrook Rd						3						1			Standard - 848.06
14283	18	SR-1007 (Poole Rd)	Sunnybrook Rd						3						1			Standard - 848.06
14284	18	SR-1007 (Poole Rd)	Sunnybrook Rd												1			Type 6 - 848.06
14285	18	SR-1007 (Poole Rd)	Sunnybrook Rd										3		1			Type 6 - 848.06
14286	18	SR-1007 (Poole Rd)	Sunnybrook Rd										3		1			Type 6 - 848.06
14287	18	SR-1007 (Poole Rd)	Sunnybrook Rd												1			Type 3 Modified - 848.06
14289	19	SR-1007 (Poole Rd)	Circle K Gas Station (3220 Poole Rd) Entrance												1			Type 1D - 848.06
14290	19	SR-1007 (Poole Rd)	Circle K Gas Station (3220 Poole Rd) Entrance			15		6	10								1	Remove Ramp
25623	20	SR-1007 (Poole Rd)	Cooper Rd												1			Type 3 - 848.06
14298	21	SR-1007 (Poole Rd)	Rawls Dr												1			Type 3 Modified - 848.06
14299	21	SR-1007 (Poole Rd)	Rawls Dr												1			Type 1 Modified - 848.06
14300	21	SR-1007 (Poole Rd)	Rawls Dr												1			Type 1A - 848.06
14315	22	SR-1007 (Poole Rd)	Beverly Dr					3	6						1			Standard - 848.06
14316	22	SR-1007 (Poole Rd)	Beverly Dr						3	2					1			Type 2A Modified - 848.06
14317	22	SR-1007 (Poole Rd)	Beverly Dr					3				1			1			Type 1A - 848.06
14318	22	SR-1007 (Poole Rd)	Beverly Dr			15		9									1	Remove Ramp
14313	23	SR-1007 (Poole Rd)	St. Joseph Catholic Church (2811 Poole Rd) Entrance												1			Type 1 Modified - 848.06
14314	23	SR-1007 (Poole Rd)	St. Joseph Catholic Church (2811 Poole Rd) Entrance												1			Type 1 Modified - 848.06
14319	24	SR-1007 (Poole Rd)	Rose Ln			10	10	6	6								1	Remove Ramp
14320	24	SR-1007 (Poole Rd)	Rose Ln												1			Type 1B - 848.06
14321	24	SR-1007 (Poole Rd)	Rose Ln												1			Type 1B - 848.06
14322	24	SR-1007 (Poole Rd)	Rose Ln			15		9									1	Remove Ramp
Sub-Total				26	0	55	10	62	31	2	0	1	6	0	22	0	4	
Sub-Total for Poole Rd From SR 2677 To Rose Ln				26	10	150	10	102	64	2	1	2	6	1	69	2	10	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - HODGE RD FROM RR TO SR 1007

Municipality:	Knightdale
	Outside Municipality
Project Number:	2024CPT.05.09.20921.1
County:	Wake

Sheet No.
19

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	2535000000-E (LF) 8"x6" Median Curb	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	2738000000-E (SY) Remove Island	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type
25444	1	SR-2516 (Hodge Rd)	Panther Rock Blvd												1			Standard - 848.06
25443	1	SR-2516 (Hodge Rd)	Panther Rock Blvd												1			Standard - 848.06
Sub-Total for Hodge Rd From RR To SR 1007				0	0	0	0	0	0	0	0	0	0	0	2	0	0	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - S SMITHFIELD RD FROM SR 5270 TO SR 4154

Municipality:	Knightdale
Project Number:	2024CPT.05.09.20921.1
County:	Wake

Sheet No.
20

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	2535000000-E (LF) 8"x6" Median Curb	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	2738000000-E (SY) Remove Island	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type
25496	1	SR-2233 (S Smithfield Rd)	SR-2665 (Broadway St)											1				Retrofit Warnings
25497	2	SR-2233 (S Smithfield Rd)	Glenmere Dr			20											1	Remove Ramp
25498	2	SR-2233 (S Smithfield Rd)	Glenmere Dr											1				Retrofit Warnings
25499	2	SR-2233 (S Smithfield Rd)	Glenmere Dr											1				Retrofit Warnings
25500	2	SR-2233 (S Smithfield Rd)	Glenmere Dr			20											1	Remove Ramp
Sub-Total for S Smithfield Rd From SR 5270 To SR 4154				0	0	40	0	0	0	0	0	0	0	3	0	0	2	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.05.09.20921.1,etc.	21	

SUMMARY OF QUANTITIES

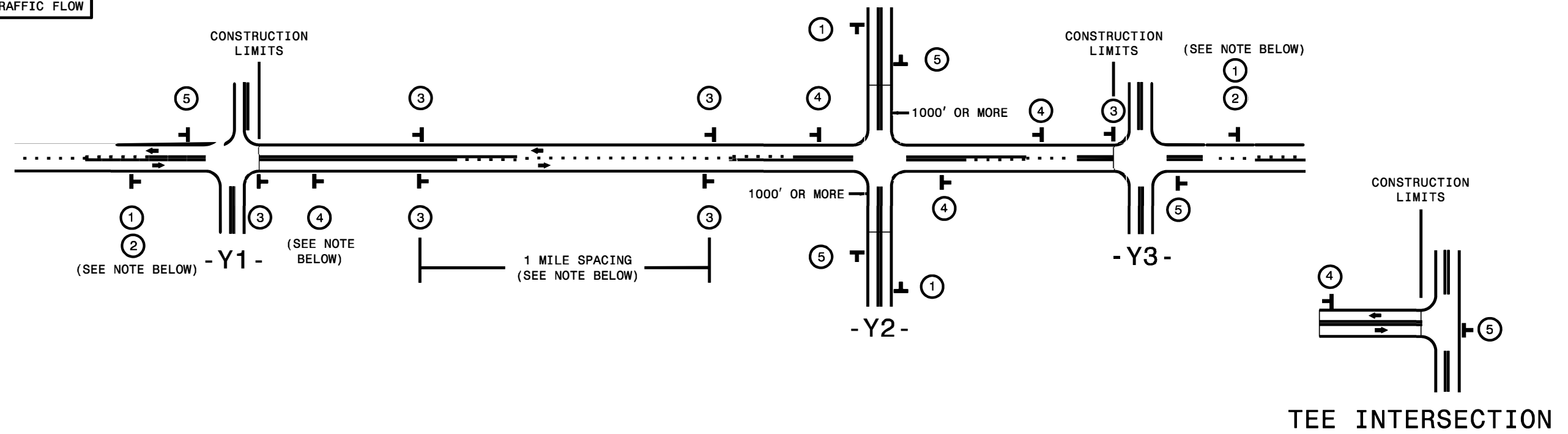
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH	WIDTH	0156000000-E	1220000000-E	1245000000-E	1260000000-E	1297000000-E	1308000000-E	1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	2535000000-E	2549000000-E	2591000000-E	2605000000-N	2612500000-N	2738000000-E			
									REMOVAL OF EXISTING ASPHALT PAVEMENT	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	1½" MILLING	0" TO 1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	8" X 6" MEDIAN CURB	2'-6" CURB & GUTTER	4" CONCRETE SIDEWALK	CONCRETE CURB RAMPS	REMOVE AND REPLACE CONCRETE CURB RAMPS	REMOVE AND REPLACE SIDEWALK	REMOVE SIDEWALK	REMOVE ISLAND	
									SY	TONS	SMI	TON	SY	SY	SY	TONS	TONS	TON	TONS	LF	LF	SY	EA	EA	SY	SY	SY	
			1	SR-1007 / POOLE RD	SR 2677 TO ROSE LN	5	4,5	2.000	42-60	26				64,224	5,831		6,059	359	30	10	150	102	2	69	64	2	6	
			2	SR-2233 / S SMITHFIELD RD	SR 5270 TO SR 4154	6	2	1.966	24-42					288	2,294		3,495	207	20		40							
			3	SR-2516 / HODGE RD/LEONARD RD	SR 1007 TO DEAD END	3	2	1.952	20						373	2,024		134	47									
			4	SR-2516 / HODGE RD	RR TO SR 1007	4	2	1.734	24-53						4,428	4,099		267	20						2			
			5	SR-2558 / GUY RD	JOHNSTON CO TO US 70 BUS	3	2	0.697	23						286	919		60	10									
			6	SR-2615 / AMOS CIR	SR 2818 - ANDY DR TO CUL-DE-SAC	2	2	0.110	18							94		7	10									
			7	SR-2656 / NEUSE HARBOR DR	SR 2516 TO SR 4162	3	2	0.203	18							199		14	17									
			8	SR-2646 / BAXLEY DR	SR 2815 - BARRINGTON DR TO SR 2678 - GAMBLE ST	3	2	0.320	18							156	308		23	53								
			9	SR-2647 / FLOYD DR/ FRANKS DR	SR 2646 - BAXLEY DR TO SR 2678 - GAMBLE DR	3	2	0.610	18									42	104									
			10	SR-2678 / GAMBLE DR	SR 2815 - BARRINGTON DR TO SR 2647 - FRANKS DR	3	2	0.330	19									26	100									
			11	SR-2802 / KING ARTHUR TRL	SR 2555 - RAYNOR RD TO SR 2894 - LN OF TRISTRAM	3	2	0.350	26					68				34	76									
			12	SR-2816 / EARLY DR	SR 2815 - BARRINGTON DR TO SR 2817 - KING CIR	2	2	0.080	18							128	71		5	10								
			13	SR-2817 / KING CIR	SR 2818 - ANDY DR TO CUL-DE-SAC	2	2	0.150	20								145		10	10								
			14	SR-2818 / ANDY DR	SR 2817 - KING CIR TO DEAD END	2	2	0.150	20								146		10	10								
			15	SR-4162 / NEUSE RIVER PKWY	SR 2656 TO DEAD END	2	2	0.200	18								63	153		10	10							
			16	SR-2804 / QUEEN GUENEVERE TRL	FROM SR 2555 TO BEGIN CURB AND GUTTER	3	2	0.205	26									272		20	38							
			17	SR-2804 / QUEEN GUENEVERE TRL	FROM BEGIN CURB AND GUTTER TO SR 2895	4	2	0.276	26					4,210				366		26	44							
			18	SR-2803 / TRAIL OF MERLIN/ LANE OF SIR LANCELOT	SR 2802 - KING ARTHUR TR TO DEAD END	4	2	0.654	26									868		65	183							
			19	SR-2828 / LANE OF SIR GALLAHAD	SR 2802 - KING ARTHUR TR TO SR 2804 - QUEEN GUENEVERE	3	2	0.201	26									267		20	64							
			20	SR-2893 / LANE OF SIR GAWAINE	SR 2802 - KING ARTHUR TR TO SR 2804 - QUEEN GUENEVERE	4	2	0.243	26					3,707				323		23	35							
			21	SR-2894 / LANE OF TRISTRAM	SR 2802 - KING ARTHUR TR TO SR 2804 - QUEEN GUENEVERE	4	2	0.282	26					4,301				374		28	76							
			22	SR-2895 / LANE OF SIR KAY	SR 2894 - LN OF TRISTRAM TO DEAD END	4	2	0.451	26					7,238				630		44	69							
			23	SR-2896 / LANE OF SIR KAY	SR 2895 - LN OF SIR KAY TO CUL-DE-SAC	4	2	0.042	26									71		5	10							
			24	SR-2897 / ELAINE PL	SR 2803 - TRAIL OF MERLIN TO DEAD END	4	2	0.147	26					2,242				195		13	3							
			25	SR-2898 / LANE OF SIR MARK	SR 2897 - ELAINE PLACE TO DEAD END	4	2	0.040	26					870				76		5	10							
			26	SR-2899 / ENID PL	SR 2803 - TRAIL OF MERLIN TO CUL-DE-SAC	4	2	0.063	26					1,217				106		7	10							
			Wake	27	SR-4177 / GOLDEN NUGGET DR	SR 2588 TO CUL-DE-SAC	3	2	0.532	20								544		36	10							
			TOTAL FOR PROJ NO. 2024CPT.05.09.20921.1					13.988		26	476	12.47	1,173	141,423	356	13,664	13,607	9,554	1,500	1,079	10	190	102	2	71	64	2	6
			28	SR-4101 / HARVEST MILL CT	SR 2511 TO CUL-DE-SAC	1	2	0.376	20								271		18	10								
			29	SR-4119 / POPLAR CREEK TRL	SR 2511 TO CUL-DE-SAC	1	2	0.404	20								291		19	10								
			30	SR-4120 / AGAWAM CT	CUL-DE-SAC TO SR 4119	1	2	0.044	20								46		4	10								
			31	SR-4176 / FORTY NINERS RD	SR 4177 TO DEAD END	1	2	0.593	20								403		27	10								
			32	SR-4178 / GOLD DIGGER RD	SR 4176 TO CUL-DE-SAC	1	2	0.140	20								110		8	10								
			33	SR-4179 / CLAIM RD	SR 4176 TO CUL-DE-SAC	1	2	0.052	20								53		4	10								
			34	SR-4117 / BLAIRE WOODS DR	SR 2511 - GRASSHOPPER RD TO CUL-DE-SAC	1	2	0.185	18								134		9	10								
			TOTAL FOR PROJ NO. 2024CPT.05.09.20922.1					1.794			90						1,308		89	70								
			GRAND TOTAL					15.782		26	566	12.47	1,173	141,423	356	13,664	14,915	9,554	1,589	1,149	10	190	102	2	71	64	2	6

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.05.09.20921.1,etc.	22	

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH		WIDTH	2752000000-E	2759000000-N	2830000000-N	2845000000-N	4116100000-N	4600000000-N	7444000000-E				
							REMOVE AND REPLACE CURB & GUTTER	RETROFIT CURB RAMP DETECTABLE WARNINGS		REMOVE CURB RAMPS	ADJUST MANHOLES	ADJUST METER OR VALVE BOX	SIGN ERECTION, RELOCATE TYPE E (GROUND MOUNTED)	GENERIC TRAFFIC CONTROL ITEM PEDESTRIAN TRANSPORT SERVICE (PER TRIP)	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES	INDUCTIVE LOOP SAWCUT				
							LF	EA		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
			1	SR-1007 / POOLE RD		5	4,5	2,000	42-60											1,700
			2	SR-2233 / S SMITHFIELD RD		6	2	1,966	24-42											860
			3	SR-2516 / HODGE RD/LEONARD RD		3	2	1,952	20											
			4	SR-2516 / HODGE RD		4	2	1,734	24-53											
			5	SR-2558 / GUY RD		3	2	0,697	23											
			6	SR-2615 / AMOS CIR		2	2	0,110	18											
			7	SR-2656 / NEUSE HARBOR DR		3	2	0,203	18											
			8	SR-2646 / BAXLEY DR		3	2	0,320	18											
			9	SR-2647 / FLOYD DR/ FRANKS DR		3	2	0,610	18											
			10	SR-2678 / GAMBLE DR		3	2	0,330	19											
			11	SR-2802 / KING ARTHUR TRL		3	2	0,350	26											
			12	SR-2816 / EARLY DR		2	2	0,080	18											
			13	SR-2817 / KING CIR		2	2	0,150	20											
			14	SR-2818 / ANDY DR		2	2	0,150	20											
			15	SR-4162 / NEUSE RIVER PKWY		2	2	0,200	18											
			16	SR-2804 / QUEEN GUENEVERE TRL		3	2	0,205	26											
			17	SR-2804 / QUEEN GUENEVERE TRL		4	2	0,276	26											
			18	SR-2803 / TRAIL OF MERLIN/ LANE OF SIR LANCELOT		4	2	0,654	26											
			19	SR-2828 / LANE OF SIR GALLAHAD		3	2	0,201	26											
			20	SR-2893 / LANE OF SIR GAWAINE		4	2	0,243	26											
			21	SR-2894 / LANE OF TRISTRAM		4	2	0,282	26											
			22	SR-2895 / LANE OF SIR KAY		4	2	0,451	26											
			23	SR-2896 / LANE OF SIR KAY		4	2	0,042	26											
			24	SR-2897 / ELAINE PL		4	2	0,147	26											
			25	SR-2898 / LANE OF SIR MARK		4	2	0,040	26											
			26	SR-2899 / ENID PL		4	2	0,063	26											
			Wake 27	SR-4177 / GOLDEN NUGGET DR		3	2	0,532	20											
TOTAL FOR PROJ NO. 2024CPT.05.09.20921.1									13,988	10	4	12	5	3	2	20	8	3,310		
			28	SR-4101 / HARVEST MILL CT		1	2	0,376	20											
			29	SR-4119 / POPLAR CREEK TRL		1	2	0,404	20											
			30	SR-4120 / AGAWAM CT		1	2	0,044	20											
			31	SR-4176 / FORTY NINERS RD		1	2	0,593	20											
			32	SR-4178 / GOLD DIGGER RD		1	2	0,140	20											
			33	SR-4179 / CLAIM RD		1	2	0,052	20											
			34	SR-4117 / BLAIRE WOODS DR		1	2	0,185	18											
TOTAL FOR PROJ NO. 2024CPT.05.09.20922.1									1,794											
GRAND TOTAL									15,782	10	4	12	5	3	2	20	8	3,310		







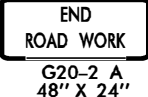
SIGNING FOR RESURFACING PROJECTS

LEGEND
 STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

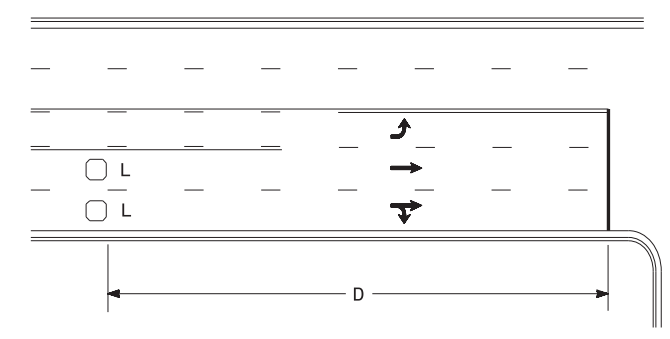
SIGNING NOTES AND PLACEMENT PER DIRECTION	 ①  ②	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. #2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	<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 <p>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.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;">  W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	 ③	- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	 ④	- 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. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	 ⑤	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.		



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

\$\$\$SYTIME\$\$\$\$\$
 \$\$\$CDON\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

High Speed Detection (≥40 mph)

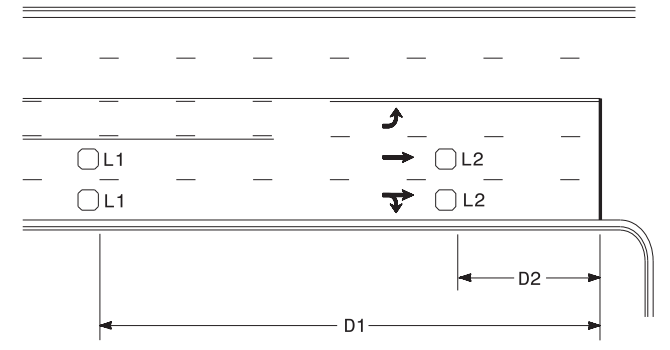


Speed Limit mph	D ft
40	250
45	300
50	355
55	420

L = 6ft X 6ft
Wired separately

Volume Density Operation

OR



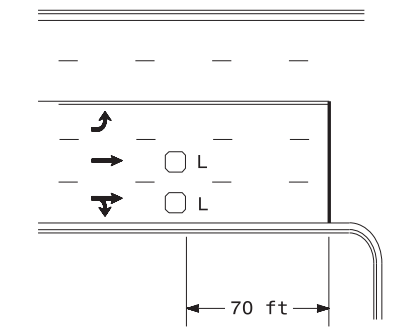
Speed Limit mph	D1 ft	D2 ft
40	250	80
45	300	90
50	355	100
55	420	110

L1 = 6ft X 6ft
Wired in series

L2 = 6ft X 6ft
Wired in series

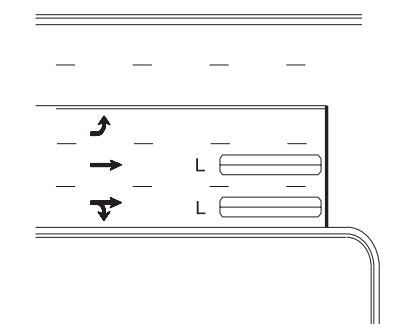
"Stretch" Operation

Low Speed Detection (≤35 mph)



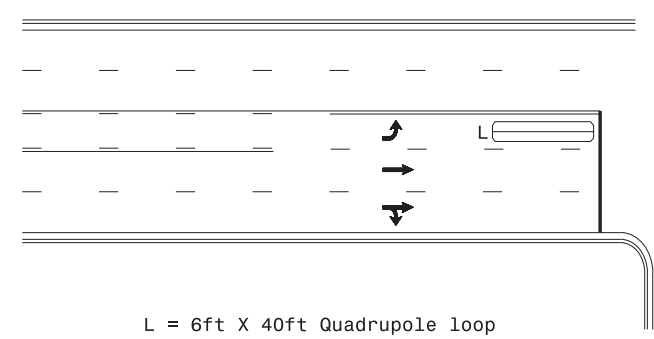
L = 6ft X 6ft
Wired in series

OR



L = 6ft X 40ft
Quadrupole loop, wired separately

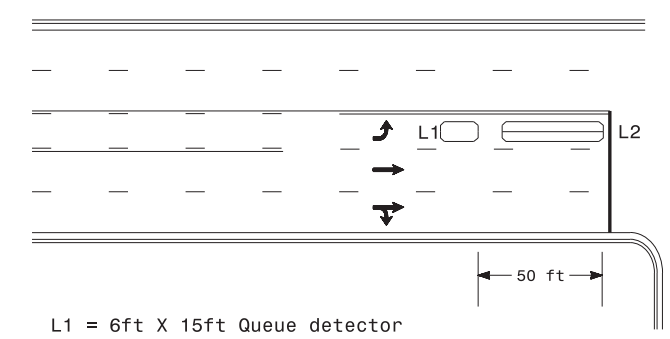
Left Turn Lane Detection



L = 6ft X 40ft Quadrupole loop

Presence Loop Detection

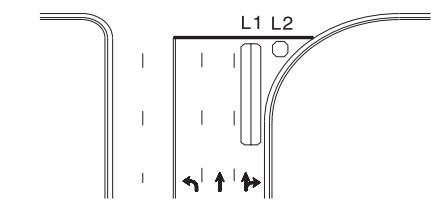
OR



L1 = 6ft X 15ft Queue detector
L2 = 6ft X 40ft Quadrupole loop

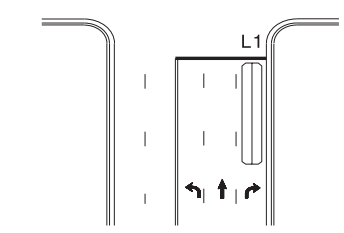
Queue Loop Detection

Right Turn Lane Detection

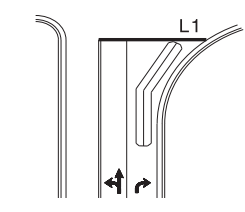


Shared Lane/
Wide Radius Turn

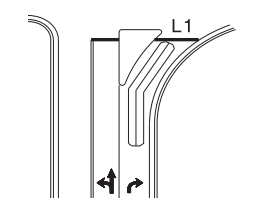
L1 = 6ft X 40ft Quadrupole loop
L2 = 6ft X 6ft [Minimum] Presence loop
Wired separately



Standard Turn

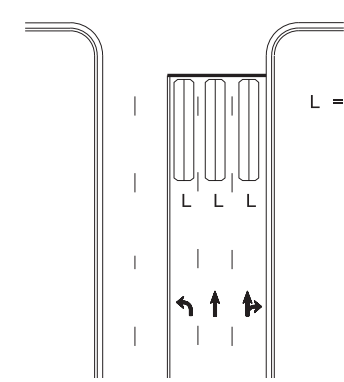


Wide Radius Turn



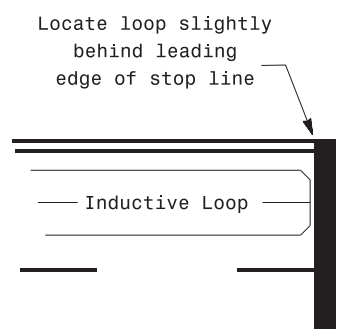
Channelized Turn

Side Street Detection



L = 6ft X 40ft
Quadrupole loop
Wired to separate
detectors/channels

Presence Loop Placement at Stop Lines



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):

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

	Typical Signal Loop Locations	
	PLAN DATE: September 2020 PREPARED BY: PLA	REVIEWED BY: JPG REVIEWED BY:
	SCALE: N/A	REVISIONS:
750 N. Greenfield Pkwy, Garner, NC 27529		DATE: 9/8/2020 SIG. INVENTORY NO.