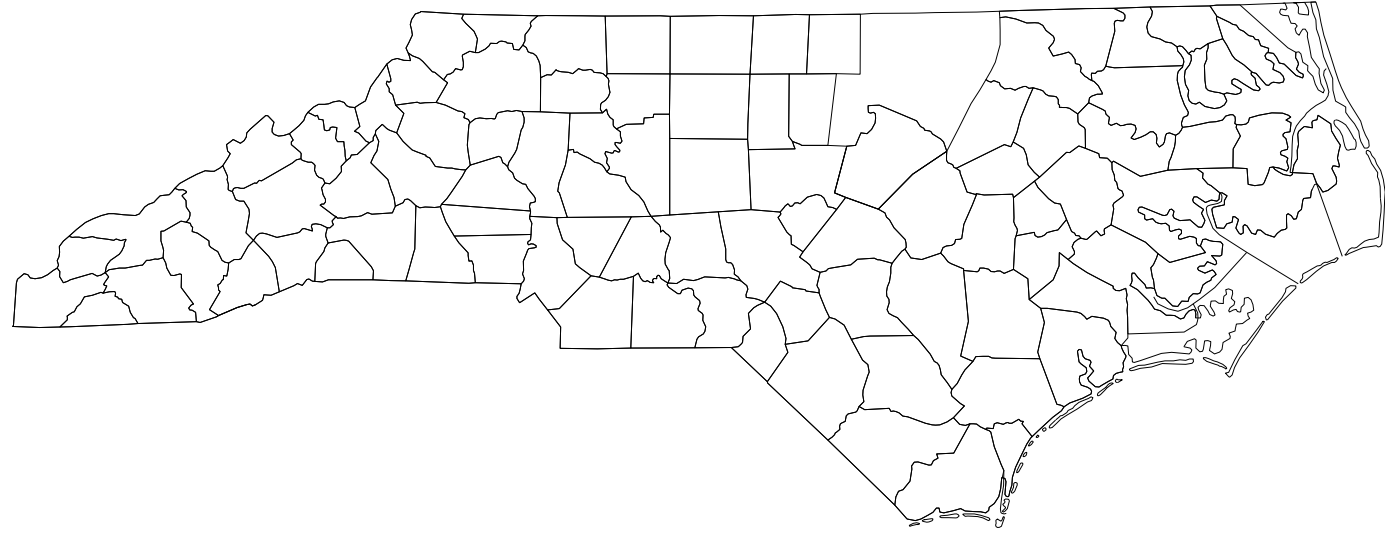


07/17/2019

CONTRACT: DH00614 TIP PROJECT: BO-2408J/BO-2408K



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

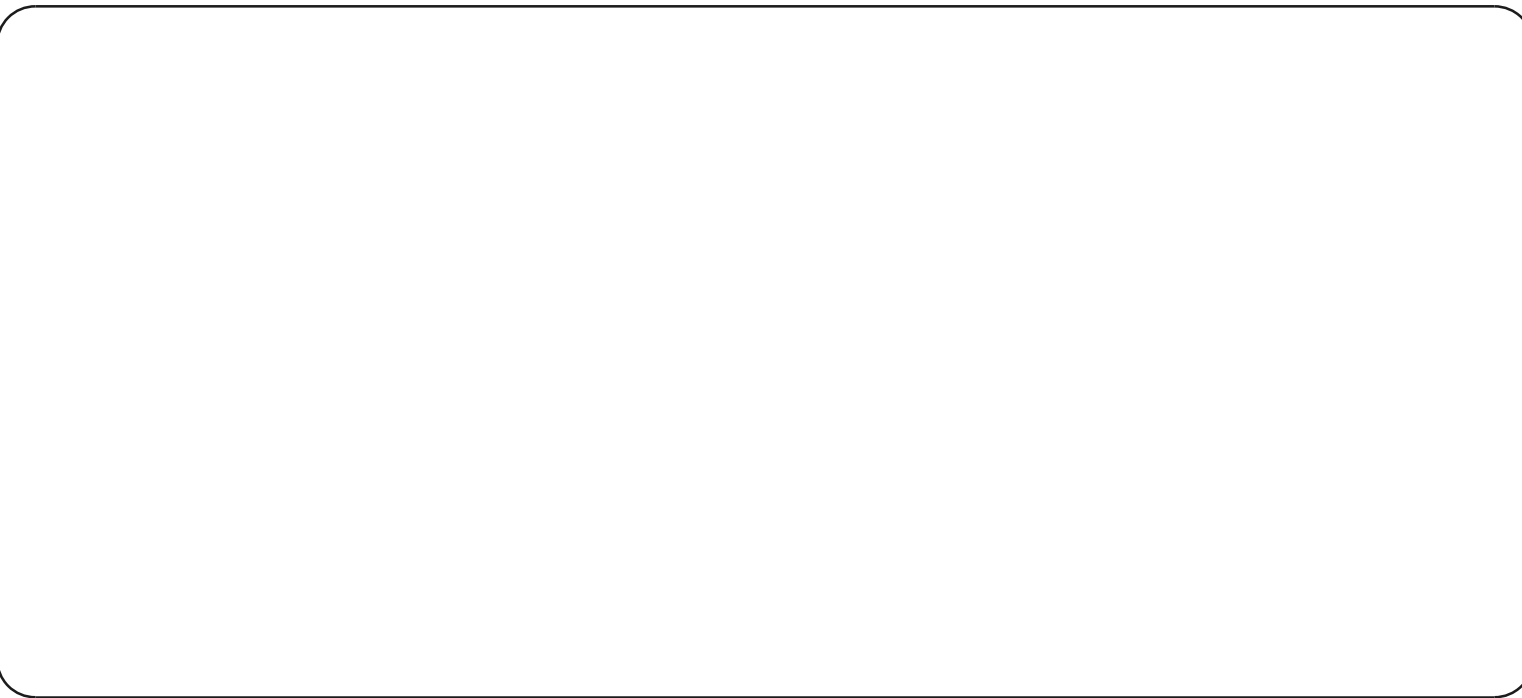
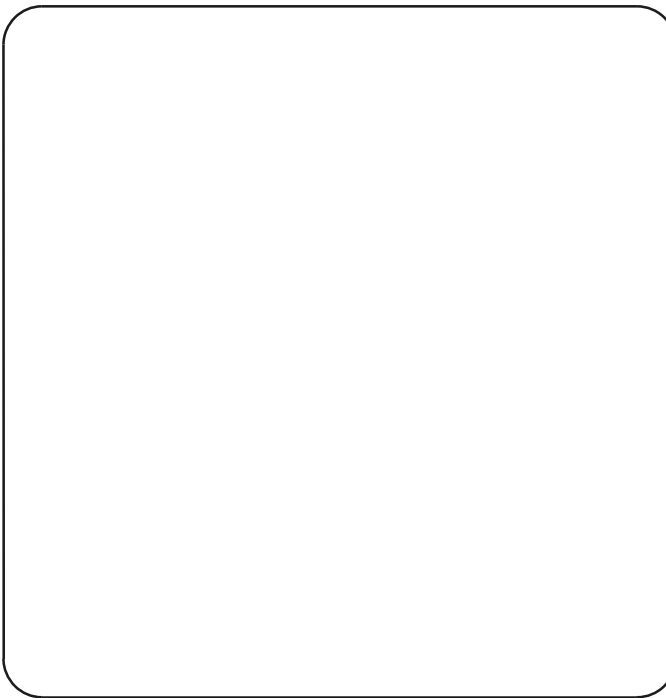
DIVISIONWIDE

LOCATION: RANDOLPH COUNTY

TYPE OF WORK: CURB RAMP INSTALLATIONS



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BO-2408J/BO-2408K	1	53
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
50937.3.14	5093714	CON (BO-2408J)	
50937.3.15	5093715	CON (BO-2408K)	



Prepared In the Office of:

DIVISION OF HIGHWAYS

1000 Birch Ridge Dr., Raleigh NC, 27610

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:

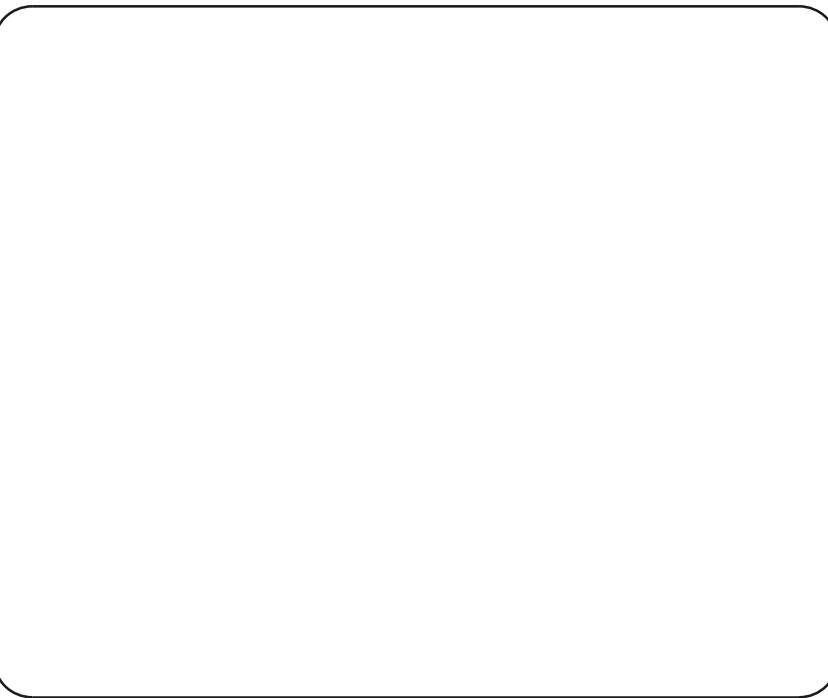
8/1/2026

GREG DAVIS

PROJECT ENGINEER

NV5

PROJECT DESIGN ENGINEER



PROJECT NO.	SHEET NO.	TOTAL NO.
50937.3.14 (BO-2408J)	2	
50937.3.15 (BO-2408K)		

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	GROUP NO	LOCATION	DESCRIPTION	SHEET NUMBER	0156000000-E	1704000000-E	2542000000-E	2549000000-E	2591000000-E	2605000000-N	2612300000-N	2612500000-N	2738000000-E	2738000000-E	2738000000-E	2738000000-E	2752000000-E	2752000000-E	2752000000-E	2752000000-E	2752000000-E	2759000000-N	2830000000-N	2845000000-N	4025000000-E
						REMOVAL OF EXISTING ASPHALT PAVEMENT	PATCHING EXISTING PAVEMENT	1'-6" CURB & GUTTER	2'-6" CURB & GUTTER	4" CONCRETE SIDEWALK	CONCRETE CURB RAMP	RETROFIT EXISTING CONCRETE CURB RAMPS	GENERIC PAVING ITEM - REMOVE AND REPLACE CONCRETE CURB RAMPS	GENERIC PAVING ITEM - REMOVE AND REPLACE 4" CONCRETE SIDEWALK	GENERIC GRADING ITEM - REMOVE 4" SIDEWALK	GENERIC PAVING ITEM - REMOVE 5" MONOLITHIC CONCRETE ISLAND (KEYED-IN)	GENERIC PAVING ITEM - REMOVE DRIVEWAY APRON	GENERIC PAVING ITEM - REMOVE AND REPLACE 2'-6" CONCRETE CURB AND GUTTER	GENERIC PAVING ITEM - REMOVE 1'-6" CURB & GUTTER	GENERIC PAVING ITEM - REMOVE 2'-6" CURB & GUTTER	GENERIC PAVING ITEM - REMOVE CONCRETE VALLEY GUTTER	GENERIC PAVING ITEM - REMOVE CONCRETE CURB RAMP	ADJUST MANHOLES	ADJUST METER OR VALVE BOX	CONTRACTOR FURNISHED, TYPE 'E' SIGN	
						SY	TONS	LF	LF	SY	EA	EA	EA	SY	SY	SY	SY	LF	LF	LF	LF	EA	EA	EA	SF	
50937.3.14 (BO-2408J)	Randolph	1	ASHEBORO	ADA CURB RAMP REPLACEMENT	1-21	1	3	20	913	448	22	1	242	559	380	1		749	30	376	30	48	3	32		
TOTAL FOR GROUP NO. 1						1	3	20	913	448	22	1	242	559	380	1		749	30	376	30	48	3	32		
50937.3.14 (BO-2408J)	Randolph	2	ASHEBORO	PEDESTRIAN CROSSWALKS AND SIGNAGE IMPROVEMENTS	22-23																				22	
TOTAL FOR GROUP NO. 2																									22	
50937.3.14 (BO-2408J)	Randolph	3	RANDLEMAN	ADA CURB RAMP REPLACEMENT	24-28	8			160	47	9		49	129	53		8	162		117		7		3		
TOTAL FOR GROUP NO. 3						8			160	47	9		49	129	53		8	162		117		7		3		
TOTAL FOR PROJ NO. 50937.3.14 (BO-2408J)						9	3	20	1,073	495	31	1	291	688	433	1	8	911	30	493	30	55	3	35	22	
50937.3.15 (BO-2408K)	Randolph	4	ARCHDALE	ADA CURB RAMP REPLACEMENT	29-33	2			664	38		5	20	51	3			66				47				
TOTAL FOR GROUP NO. 4						2			664	38		5	20	51	3			66				47				
50937.3.15 (BO-2408K)	Randolph	5	TRINITY	ADA CURB RAMP REPLACEMENT	34-35								2	3				6								
TOTAL FOR GROUP NO. 5													2	3				6								
50937.3.15 (BO-2408K)	Randolph	6	UNINCORPORATED AREAS	ADA CURB RAMP REPLACEMENTS	36-37				51				1	6								3				
TOTAL FOR GROUP NO. 6									51				1	6								3				
TOTAL FOR PROJ NO. 50937.3.15 (BO-2408K)						2			715	38		5	23	60	3			72				50				
GRAND TOTAL																										
						11	3	20	1,788	533	31	6	314	748	436	1	8	983	30	493	30	105	3	35	22	

PROJECT NO	COUNTY	GROUP NO	LOCATION	DESCRIPTION	SHEET NUMBER	4072000000-E	4102000000-N	4116100000-N	4457000000-N	4709000000-E	4860000000-E
						SUPPORTS, 3-LB STEEL U-CHANNEL STEEL	SIGN ERECTION, TYPE E (GROUND MOUNTED)	SIGN ERECTION, RELOCATE TYPE E (GROUND MOUNTED)	TEMPORARY TRAFFIC CONTROL	24" X 90 M WHITE THERMO	8" LINE REMOVAL
50937.3.14 (BO-2408J)	Randolph	1	ASHEBORO	ADA CURB RAMP REPLACEMENT	1-21			5			
TOTAL FOR GROUP NO. 1								5			
50937.3.14 (BO-2408J)	Randolph	2	ASHEBORO	PEDESTRIAN CROSSWALKS AND SIGNAGE IMPROVEMENTS	22-23	32	2			1,780	858
TOTAL FOR GROUP NO. 2						32	2			1,780	858
50937.3.14 (BO-2408J)	Randolph	3	RANDLEMAN	ADA CURB RAMP REPLACEMENT	24-28				*		
TOTAL FOR GROUP NO. 3											
TOTAL FOR PROJ NO. 50937.3.14 (BO-2408J)						32	2	5	1	1,780	858
50937.3.15 (BO-2408K)	Randolph	4	ARCHDALE	ADA CURB RAMP REPLACEMENT	29-33						
TOTAL FOR GROUP NO. 4											
50937.3.15 (BO-2408K)	Randolph	5	TRINITY	ADA CURB RAMP REPLACEMENT	34-35						
TOTAL FOR GROUP NO. 5											
50937.3.15 (BO-2408K)	Randolph	6	UNINCORPORATED AREAS	ADA CURB RAMP REPLACEMENTS	36-37				*		
TOTAL FOR GROUP NO. 6											
TOTAL FOR PROJ NO. 50937.3.15 (BO-2408K)											
GRAND TOTAL						32	2	5	1	1,780	858

ADA SUMMARY OF QUANTITIES - ASHEBORO (5,000 - 50,000 POPULATION)

Municipality:	Asheboro
TIP Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
3

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1681	1	SR-1504 (W Central Ave)	J&S Wholesale and Rental (1947 N Fayetteville St) Rear Lot						10				6									1		Type 2B - 848.06
1682	1	SR-1504 (W Central Ave)	J&S Wholesale and Rental (1947 N Fayetteville St) Rear Lot					6		15			6	6								1		Type 2B - 848.06
1680	2	SR-1504 (W Central Ave)	J&S Wholesale and Rental (1947 N Fayetteville St) Front Lot																			1		Type 1 - 848.06
1683	3	US-220 BUS (N Fayetteville St)	SR-1502 (W Balfour Ave)									3										1		Type 1 Modified - 848.06
1684	3	US-220 BUS (N Fayetteville St)	SR-2167 (E Balfour Ave)									2				1						1		Standard - 848.06
1685	3	US-220 BUS (N Fayetteville St)	SR-2167 (E Balfour Ave)						10			6										1		Type 1 Modified - 848.06
1696	4	US-220 BUS (N Fayetteville St)	Randolph County Social Services (1512 N Fayetteville St)																		1			Type 1A - 848.06
1697	4	US-220 BUS (N Fayetteville St)	Randolph County Social Services (1512 N Fayetteville St)													1					1			Type 1A - 848.06
1698	5	US-220 BUS (N Fayetteville St)	Saunders Dr				15					9											1	Remove Ramp
1699	5	US-220 BUS (N Fayetteville St)	Saunders Dr				20					9											1	Remove Ramp
1700	5	US-220 BUS (N Fayetteville St)	Saunders Dr										6								1			Type 1A - 848.06
1701	5	US-220 BUS (N Fayetteville St)	Saunders Dr										6			1					1			Type 1A - 848.06
1702**	6	US-220 BUS (N Fayetteville St)	Northgate Commons (1511 N Fayetteville St)										6								1			Type 1C - 848.06
1703	6	US-220 BUS (N Fayetteville St)	Northgate Commons (1511 N Fayetteville St)				10					4											1	Remove Ramp
1704	6	US-220 BUS (N Fayetteville St)	Northgate Commons (1511 N Fayetteville St)						10					5								1		Type 1A - 848.06
1705	7	US-220 BUS (N Fayetteville St)	Arthur St				20					9											1	Remove Ramp
1706	7	US-220 BUS (N Fayetteville St)	Arthur St										4								1			Standard - 848.06
1707	7	US-220 BUS (N Fayetteville St)	Arthur St										4								1			Standard - 848.06
1708	7	US-220 BUS (N Fayetteville St)	Arthur St				20					9											1	Remove Ramp
1709**	8	US-220 BUS (N Fayetteville St)	Brittain St																					Type 1 Modified - 848.06
1711	8	US-220 BUS (N Fayetteville St)	Brittain St				20					9				1							1	Remove Ramp
1712	9	US-220 BUS (N Fayetteville St)	Woodbury St										6								1			Standard - 848.06
1713**	9	US-220 BUS (N Fayetteville St)	Woodbury St										11								1			Standard - 848.06
1714	9	US-220 BUS (N Fayetteville St)	McDonalds (1436 N Fayetteville St)				20					9											1	Remove Ramp
1715	10	US-220 BUS (N Fayetteville St)	Business (1433 N Fayetteville St) North Entrance																		1			Type 1 Modified - 848.06
1716	10	US-220 BUS (N Fayetteville St)	Business (1433 N Fayetteville St) North Entrance																		1			Type 1 Modified - 848.06
1717	10	US-220 BUS (N Fayetteville St)	Valley Rd										6								1			Standard - 848.06
1718	10	US-220 BUS (N Fayetteville St)	Valley Rd										6								1			Standard - 848.06
1719	11	US-220 BUS (N Fayetteville St)	Terminix (1425 Fayetteville St)																		1			Type 1 Modified - 848.06
1720	11	US-220 BUS (N Fayetteville St)	Terminix (1425 Fayetteville St)																		1			Type 1 Modified - 848.06
1721	12	US-220 BUS (N Fayetteville St)	Rainbow Dr										8								1			Standard - 848.06
1722	12	US-220 BUS (N Fayetteville St)	Rainbow Dr																		1			Type 3 Modified - 848D0609
1723	12	US-220 BUS (N Fayetteville St)	Vernon St										4								1			Standard - 848.06
1724	12	US-220 BUS (N Fayetteville St)	Vernon St										4								1			Standard - 848.06
1725	13	US-220 BUS (N Fayetteville St)	Neighborhood Entrance (1404 N Fayetteville St)																		1			Type 1A - 848.06
1726	13	US-220 BUS (N Fayetteville St)	Neighborhood Entrance (1404 N Fayetteville St)																		1			Type 1A - 848.06
1729	13	US-220 BUS (N Fayetteville St)	Bojangles (1347 N Fayetteville St) North Entrance																		1			Type 1C - 848.06
1730	13	US-220 BUS (N Fayetteville St)	Bojangles (1347 N Fayetteville St) North Entrance																		1			Type 1C - 848.06
1731	14	US-220 BUS (N Fayetteville St)	Bojangles (1347 N Fayetteville St) South Entrance																		1			Type 1A - 848.06
1732	14	US-220 BUS (N Fayetteville St)	Bojangles (1347 N Fayetteville St) South Entrance																		1			Type 1A - 848.06
1733	14	US-220 BUS (N Fayetteville St)	O'Reilly Auto Parts (1341 N Fayetteville St)																		1			Type 1 Modified - 848.06
Sub-Total				0	0	0	125	6	0	45	0	69	12	82	0	4	0	0	0	0	27	7	7	

*Contingency line item amount provided for adjustments outside of curb ramp pay limits.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted.

ADA SUMMARY OF QUANTITIES - ASHEBORO (5,000 - 50,000 POPULATION)

Municipality:	Asheboro
TIP Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
4

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1737	15	US-220 BUS (N Fayetteville St)	SR-2182 (E Allred St)																		1			Standard - 848.06
1738	15	US-220 BUS (N Fayetteville St)	SR-2182 (E Allred St)										4			1					1			Standard - 848.06
1739	15	US-220 BUS (N Fayetteville St)	SR-2182 (E Allred St)																		1			Type 2B - 848.06
1740	15	US-220 BUS (N Fayetteville St)	SR-2182 (E Allred St)																		1			Type 2B - 848.06
1741**	15	US-220 BUS (N Fayetteville St)	SR-1491 (W Allred St)																		1			Type 2B - 848.06
1742	15	US-220 BUS (N Fayetteville St)	SR-1491 (W Allred St)																		1			Type 1A - 848.06
1743	15	US-220 BUS (N Fayetteville St)	SR-1491 (W Allred St)											6							1			Type 1A - 848.06
1744	15	US-220 BUS (N Fayetteville St)	SR-1491 (W Allred St)																		1			Standard - 848.06
1745**	16	US-220 BUS (N Fayetteville St)	City of Asheboro Public Works (1312 N Fayetteville St)																		1			Type 1 Modified - 848.06
1746**	16	US-220 BUS (N Fayetteville St)	City of Asheboro Public Works (1312 N Fayetteville St)																		1			Type 1 Modified - 848.06
1747	17	US-220 BUS (N Fayetteville St)	Sheffield St				15					9											1	Remove Ramp
1748	17	US-220 BUS (N Fayetteville St)	Sheffield St				20					9											1	Remove Ramp
1749**	17	US-220 BUS (N Fayetteville St)	Sheffield St											6							1			Type 1A - 848.06
1750**	17	US-220 BUS (N Fayetteville St)	Sheffield St											8							1			Type 1A - 848.06
1751**	18	US-220 BUS (N Fayetteville St)	Woodcrest Rd												6						1			Standard - 848.06
1752	18	US-220 BUS (N Fayetteville St)	Woodcrest Rd												8						1			Standard - 848.06
1753	18	US-220 BUS (N Fayetteville St)	Business (1233 N Fayetteville St)				20					9											1	Remove Ramp
1754**	19	US-220 BUS (N Fayetteville St)	Food Lion (1200 N Fayetteville St) North Entrance																		1			Type 1A - 848.06
1755	19	US-220 BUS (N Fayetteville St)	Food Lion (1200 N Fayetteville St) North Entrance																		1			Type 1A - 848.06
1756	19	US-220 BUS (N Fayetteville St)	Jeds Barbeque and Seafood (1213 N Fayetteville St)				15					8											1	Remove Ramp
1757	20	US-220 BUS (N Fayetteville St)	Food Lion (1200 N Fayetteville St) South Entrance											6							1			Type 1A - 848.06
1758	20	US-220 BUS (N Fayetteville St)	Food Lion (1200 N Fayetteville St) South Entrance											5		1					1			Type 1A - 848.06
1759	21	US-220 BUS (N Fayetteville St)	Fairfield St				20					9											1	Remove Ramp
1760**	21	US-220 BUS (N Fayetteville St)	Fairfield St												6		1				1			Standard - 848.06
1761**	21	US-220 BUS (N Fayetteville St)	Fairfield St												3						1			Standard - 848.06
1762	21	US-220 BUS (N Fayetteville St)	Fairfield St				20					9											1	Remove Ramp
1763	22	US-220 BUS (N Fayetteville St)	SR-1489 (Mcmasters St)												8		1				1			Standard - 848.06
1764	22	US-220 BUS (N Fayetteville St)	SR-1489 (Mcmasters St)												11						1			Standard - 848.06
1765	22	US-220 BUS (N Fayetteville St)	SR-1489 (Mcmasters St)				18					8											1	Remove Ramp
1766	22	US-220 BUS (N Fayetteville St)	SR-1489 (Mcmasters St)				15					9											1	Remove Ramp
1769	23	US-220 BUS (N Fayetteville St)	SR-1486 (Plummer St)				20					9											1	Remove Ramp
1770**	23	US-220 BUS (N Fayetteville St)	SR-1486 (Plummer St)												3						1			Standard - 848.06
1771	23	US-220 BUS (N Fayetteville St)	SR-1486 (Plummer St)												3		1				1			Standard - 848.06
1772	23	US-220 BUS (N Fayetteville St)	SR-1486 (Plummer St)				20					7											1	Remove Ramp
1773	23	US-220 BUS (N Fayetteville St)	SR-1486 (Plummer St)				20					9											1	Remove Ramp
1774	24	US-220 BUS (N Fayetteville St)	SR-2231 (Sterling St)				20					9											1	Remove Ramp
1775	24	US-220 BUS (N Fayetteville St)	SR-2231 (Sterling St)												9						1			Standard - 848.06
1776	24	US-220 BUS (N Fayetteville St)	SR-2231 (Sterling St)												3						1			Standard - 848.06
1777	24	US-220 BUS (N Fayetteville St)	SR-2231 (Sterling St)				20					9					1						1	Remove Ramp
1778	25	US-220 BUS (N Fayetteville St)	SR-1485 (Hampton Rd)				15					8											1	Remove Ramp
1779	25	US-220 BUS (N Fayetteville St)	SR-1485 (Hampton Rd)																		1			Type 3 Modified - 848D0609
1780	25	US-220 BUS (N Fayetteville St)	SR-1485 (Hampton Rd)														1				1			Type 1A - 848.06
1781	25	US-220 BUS (N Fayetteville St)	SR-1485 (Hampton Rd)				20					9											1	Remove Ramp
1782	25	US-220 BUS (N Fayetteville St)	SR-1485 (Hampton Rd)				18					8											1	Remove Ramp
Sub-Total				0	0	0	296	0	0	0	0	138	4	109	0	7	0	0	0	0	28	0	16	

*Contingency line item amount provided for adjustments outside of curb ramp pay limits.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted.

ADA SUMMARY OF QUANTITIES - ASHEBORO (5,000 - 50,000 POPULATION)

Municipality:	Asheboro
TIP Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
5

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1783	26	US-220 BUS (N Fayetteville St)	Carolina Ave				20					9				1							1	Remove Ramp
1784**	26	US-220 BUS (N Fayetteville St)	Carolina Ave											8							1			Standard - 848.06
1785**	26	US-220 BUS (N Fayetteville St)	Carolina Ave				10			10		6		6		1					1			Standard - 848.06
1786	26	US-220 BUS (N Fayetteville St)	Carolina Ave				18					9											1	Remove Ramp
1787	26	US-220 BUS (N Fayetteville St)	Carolina Ave				18					8											1	Remove Ramp
1788	26	US-220 BUS (N Fayetteville St)	Carolina Ave				18					8											1	Remove Ramp
1789**	27	US-220 BUS (N Fayetteville St)	E Pritchard St																		1			Type 3 - 848D0609
1790	27	US-220 BUS (N Fayetteville St)	E Pritchard St									3				1								Standard - 848.06
1791	27	US-220 BUS (N Fayetteville St)	E Pritchard St																		1			Standard - 848.06
1792**	27	US-220 BUS (N Fayetteville St)	E Pritchard St																		1			Standard - 848.06
1793**	27	US-220 BUS (N Fayetteville St)	E Pritchard St																		1			Standard - 848.06
1794	27	US-220 BUS (N Fayetteville St)	E Pritchard St																		1			Type 3 - 848D0609
1735	28	SR-1004 (Old Lexington Rd)	Olde Towne Pkwy																		1			Standard - 848.06
1736	28	SR-1004 (Old Lexington Rd)	Olde Towne Pkwy				15			9				9							1			Type 1A - 848.06
1804	29	SR-1462 (W Presnell St)	White Oak St				18																1	Remove Ramp
1805	29	SR-1462 (W Presnell St)	SR-3262 (White Oak St)				18																1	Remove Ramp
1806	29	SR-1462 (W Presnell St)	SR-3262 (White Oak St)				18																1	Remove Ramp
1797	30	US-220 BUS (N Fayetteville St)	SR-2344 (E Presnell St)																		1			Type 2B - 848.06
1798**	30	US-220 BUS (N Fayetteville St)	SR-2344 (E Presnell St)												1						1			Type 2B - 848.06
1799**	30	US-220 BUS (N Fayetteville St)	SR-2344 (E Presnell St)																		1			Type 1A - 848.06
1800	30	US-220 BUS (N Fayetteville St)	SR-2344 (E Presnell St)																		1			Type 2B - 848.06
1801	30	US-220 BUS (N Fayetteville St)	SR-1462 (W Presnell St)																		1			Type 3 Modified - 848D0609
1802	30	US-220 BUS (N Fayetteville St)	SR-1462 (W Presnell St)													2					1			Type 1A - 848.06
1803	30	US-220 BUS (N Fayetteville St)	SR-1462 (W Presnell St)																		1			Type 3 - 848D0609
1807	31	SR-2344 (E Presnell St)	Premier Medical Center (601 N Fayetteville St) Presnell St Entrance						8												1			Type 1A - 848.06
1808	31	SR-2344 (E Presnell St)	Premier Medical Center (601 N Fayetteville St) Presnell St Entrance																		1			Type 1 Modified - 848.06
1810	32	SR-2344 (E Presnell St)	Greensboro St																		1			Standard - 848.06
1811	32	SR-2344 (E Presnell St)	Greensboro St																		1			Type 3 Modified - 848D0609
1812	32	SR-2344 (E Presnell St)	Greensboro St				15															1		Remove Ramp
1813	33	SR-2344 (E Presnell St)	Greenfield St				15																1	Remove Ramp
1814	33	SR-2344 (E Presnell St)	Greenfield St																		1			Type 1A - 848.06
1815	34	SR-2344 (E Presnell St)	Business (311 E Presnell St)																		1			Type 1C - 848.06
1823	35	SR-2344 (E Presnell St)	Pennwood Dr				15																1	Remove Ramp
1827	36	SR-2344 (E Presnell St)	Farr St				15					6											1	Remove Ramp
1828	36	SR-2344 (E Presnell St)	Farr St												1						1			Type 2B - 848.06
1829	36	SR-2344 (E Presnell St)	Loach St																		1			Type 2B - 848.06
1830	36	SR-2344 (E Presnell St)	Loach St				15					6											1	Remove Ramp
1831	37	US-220 BUS (N Fayetteville St)	Speedway (534 N Fayetteville St) North Entrance												1						1			Type 1 Modified - 848.06
1832	37	US-220 BUS (N Fayetteville St)	Speedway (534 N Fayetteville St) North Entrance																		1			Type 1 Modified - 848.06
1833	37	US-220 BUS (N Fayetteville St)	Speedway (534 N Fayetteville St) South Entrance													1					1			Type 1 Modified - 848.06
1834	37	US-220 BUS (N Fayetteville St)	Speedway (534 N Fayetteville St) South Entrance																		1			Type 1 Modified - 848.06
1837	38	US-220 BUS (N Fayetteville St)	Randolph Orthopedics (503 N Fayetteville St)																		1			Type 1 Modified - 848.06
Sub-Total				0	0	0	228	0	0	27	0	55	0	23	2	7	0	0	0	0	30	0	12	

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ADA SUMMARY OF QUANTITIES - ASHEBORO (5,000 - 50,000 POPULATION)

Municipality:	Asheboro
TIP Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
6

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1841	39	US-220 BUS (N Fayetteville St)	W Miller St					5																Other
1842	40	US-220 BUS (N Fayetteville St)	Randolph Health (364 White Oak St) Cancer Center Entrance																		1			Type 1A - 848.06
1843	40	US-220 BUS (N Fayetteville St)	Randolph Health (364 White Oak St) Cancer Center Entrance																		1			Type 1A - 848.06
1844	41	US-220 BUS (N Fayetteville St)	Randolph Health (364 White Oak St) Cancer Center Exit																		1			Type 1A - 848.06
1845	41	US-220 BUS (N Fayetteville St)	Randolph Health (364 White Oak St) Cancer Center Exit																		1			Standard - 848.06
1931	42	SR-3262 (White Oak St)	W Ward St										3								1			Type 1A - 848.06
1932	43	SR-3262 (White Oak St)	Old City Cemetery (1065 W Salisbury St)				20					9											1	Remove Ramp
1862	44	US-220 BUS (N Fayetteville St)	Walgreens (207 N Fayetteville St)													1					1			Type 1C - 848.06
1863	44	US-220 BUS (N Fayetteville St)	Walgreens (207 N Fayetteville St)																		1			Type 1C - 848.06
2141	45	NC-42 (W Salisbury St)	Sunset Avenue Church of God (900 Sunset Ave) Salisbury St Entrance				20																1	Remove Ramp
2142	45	NC-42 (W Salisbury St)	Sunset Avenue Church of God (900 Sunset Ave) Salisbury St Entrance				20																1	Remove Ramp
2139	46	NC-42 (W Salisbury St)	Bossong Hosiery Mills (840 W Salisbury St) West Entrance																		1			Type 1 Modified - 848.06
2140	46	NC-42 (W Salisbury St)	Bossong Hosiery Mills (840 W Salisbury St) West Entrance							20				16								1		Type 1C - 848.06
2138	47	NC-42 (W Salisbury St)	N Mccrary St										6								1			Standard - 848.06
1955	48	NC-42 (W Salisbury St)	SR-1451 (N Park St)				18					9											1	Remove Ramp
1957	48	NC-42 (W Salisbury St)	NC-1451 (N Park St)										6								1			Type 3 Modified - 848D0609
1959	48	NC-42 (W Salisbury St)	SR-1451 (N Park St)					12					6		1	1	1				1			Type 4B - 848D0610
1558	49	NC-42 (W Salisbury St)	Ross St				15					9											1	Remove Ramp
1947	49	NC-42 (W Salisbury St)	Ross St																		1			Type 1A - 848.06
1949	49	NC-42 (W Salisbury St)	Ross St																		1			Type 2B - 848.06
1951	49	NC-42 (W Salisbury St)	Ross St																		1			Type 3 Modified - 848D0609
1953	49	NC-42 (W Salisbury St)	Ross St																		1			Type 3 - 848D0609
1940	50	NC-42 (W Salisbury St)	Acme-McCrary Corp (159 North St) Salisbury St Entrance																		1			Type 1 Modified - 848.06
1936	51	NC-42 (W Salisbury St)	North St				15					9											1	Remove Ramp
1937	51	NC-42 (W Salisbury St)	North St																		1			Type 1B - 848.06
1938	51	NC-42 (W Salisbury St)	North St																		1			Type 1B - 848.06
1939	51	NC-42 (W Salisbury St)	North St				15					9											1	Remove Ramp
1933	52	NC-42 (W Salisbury St)	Walgreens (207 N Fayetteville St)																		1			Type 1C - 848.06
1934	52	NC-42 (W Salisbury St)	Walgreens (207 N Fayetteville St)																		1			Type 1A - 848.06
1864	53	US-220 BUS (N Fayetteville St)	NC-42 (E Salisbury St)																		1			Standard - 848.06
1865	53	US-220 BUS (N Fayetteville St)	NC-42 (E Salisbury St)																		1			Standard - 848.06
1866	53	US-220 BUS (N Fayetteville St)	NC-42 (E Salisbury St)																		1			Standard - 848.06
1867	53	US-220 BUS (N Fayetteville St)	NC-42 (E Salisbury St)													1					1			Standard - 848.06
1868	53	US-220 BUS (N Fayetteville St)	NC-42 (W Salisbury St)														1				1			Standard - 848.06
1869	53	US-220 BUS (N Fayetteville St)	NC-42 (W Salisbury St)									3									1			Standard - 848.06
1870	53	US-220 BUS (N Fayetteville St)	NC-42 (W Salisbury St)									6									1			Standard - 848.06
1871	53	US-220 BUS (N Fayetteville St)	NC-42 (W Salisbury St)																		1			Standard - 848.06
Sub-Total				0	0	0	123	17	0	20	0	54	21	16	1	3	2	0	0	0	28	1	7	

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ADA SUMMARY OF QUANTITIES - ASHEBORO (5,000 - 50,000 POPULATION)

Municipality:	Asheboro
TIP Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
7

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1872	54	NC-42 (E Salisbury St)	First United Methodist Church (224 N Fayetteville St)				15					6											1	Remove Ramp
1873	55	NC-42 (E Salisbury St)	Randolph County Historic Courthouse (145 Worth St) Rear Entrance																		1			Type 1C - 848.06
1874	55	NC-42 (E Salisbury St)	Randolph County Historic Courthouse (145 Worth St) Rear Entrance																		1			Type 1C - 848.06
1875	56	NC-42 (E Salisbury St)	Randolph County Courthouse (176 E Salisbury St) Parking Entrance																		1			Type 1C - 848.06
1876	56	NC-42 (E Salisbury St)	Randolph County Courthouse (176 E Salisbury St) Parking Entrance																		1			Type 1C - 848.06
1877	57	NC-42 (E Salisbury St)	N Cox St																		1			Type 3 Modified - 848D0609
1878	57	NC-42 (E Salisbury St)	N Cox St																		1			Type 3 Modified - 848D0609
1879	57	NC-42 (E Salisbury St)	SR-2327 (N Cox St)																		1			Type 3 Modified - 848D0609
1880	57	NC-42 (E Salisbury St)	SR-2327 (N Cox St)																		1			Type 3 Modified - 848D0609
1881	57	NC-42 (E Salisbury St)	SR-2327 (N Cox St)																		1			Type 3 Modified - 848D0609
1882	57	NC-42 (E Salisbury St)	SR-2327 (N Cox St)																		1			Type 3 Modified - 848D0609
1883	57	NC-42 (E Salisbury St)	N Cox St										3								1			Type 3 Modified - 848D0609
1884	57	NC-42 (E Salisbury St)	N Cox St													1					1			Type 3 Modified - 848D0609
1885	58	NC-42 (E Salisbury St)	N Main St				20					9											1	Remove Ramp
1886	58	NC-42 (E Salisbury St)	N Main St																		1			Type 2B - 848.06
1887	58	NC-42 (E Salisbury St)	N Main St																		1			Type 2B - 848.06
1888	58	NC-42 (E Salisbury St)	N Main St													1					1			Type 3 Modified - 848D0609
1889	58	NC-42 (E Salisbury St)	N Main St																		1			Type 3 Modified - 848D0609
1890	58	NC-42 (E Salisbury St)	N Main St																		1			Type 2A Modified - 848.06
1895	59	SR-2189 (Martin Luther King Jr Dr)	Dunlap St																		1			Type 1 Modified - 848.06
1896	59	SR-2189 (Martin Luther King Jr Dr)	Dunlap St										3								1			Type 1 Modified - 848.06
1907	60	SR-2189 (Martin Luther King Jr Dr)	Watkins St																		1			Type 1C - 848.06
1908	60	SR-2189 (Martin Luther King Jr Dr)	Watkins St		1								6								1			Type 1C - 848.06
1909	61	SR-2189 (Martin Luther King Jr Dr)	Cross St										6								1			Type 1 Modified - 848.06
1910	61	SR-2189 (Martin Luther King Jr Dr)	Cross St																		1			Type 1 Modified - 848.06
1915	62	SR-2216 (Cedar Falls Rd)	Glovinia St																		1			Type 1B - 848.06
1916	62	SR-2216 (Cedar Falls Rd)	Glovinia St																		1			Type 1C - 848.06
1928	63	SR-2216 (Cedar Falls Rd)	SR-2186 (Woodlawn St)																		1			Type 1C - 848.06
1917	64	SR-2189 (Martin Luther King Jr Dr)	SR-2194 (Coleridge Rd)																		1			Type 1A - 848.06
1918	65	SR-2194 (Coleridge Rd)	Coleridge Road Apartments (1101 Kemp Blvd) Building 15 Entrance																		1			Type 1 Modified - 848.06
1919	65	SR-2194 (Coleridge Rd)	Coleridge Road Apartments (1101 Kemp Blvd) North Entrance																		1			Type 1 Modified - 848.06
1920	66	SR-2194 (Coleridge Rd)	Coleridge Road Apartments (1101 Kemp Blvd) Building 12 Entrance																		1			Type 1C - 848.06
1921	66	SR-2194 (Coleridge Rd)	Coleridge Road Apartments (1101 Kemp Blvd) Building 12 Entrance																		1			Type 1 Modified - 848.06
1922	66	SR-2194 (Coleridge Rd)	Kemp Blvd																		1			Type 1C - 848.06
1923	66	SR-2194 (Coleridge Rd)	Kemp Blvd																		1			Type 1 Modified - 848.06
Sub-Total				0	1	0	35	0	0	0	0	15	18	0	0	2	0	0	0	0	33	0	2	

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ADA SUMMARY OF QUANTITIES - ASHEBORO (5,000 - 50,000 POPULATION)

Municipality:	Asheboro
TIP Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
8

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1924	67	SR-2194 (Coleridge Rd)	Coleridge Road Apartments (1101 Kemp Blvd) Building 7 Entrance																		1			Type 1C - 848.06
1925	67	SR-2194 (Coleridge Rd)	Coleridge Road Apartments (1101 Kemp Blvd) Building 7 Entrance																		1			Type 1C - 848.06
1926	68	SR-2194 (Coleridge Rd)	Coleridge Road Apartments (1101 Kemp Blvd) Building 4 Entrance																		1			Type 1C - 848.06
1927	68	SR-2194 (Coleridge Rd)	Coleridge Road Apartments (1101 Kemp Blvd) Building 4 Entrance																		1			Type 1C - 848.06
2143	69	SR-1442 (Sunset Ave)	Spring Garden St																		1			Type 1 Modified - 848.06
2144	69	SR-1442 (Sunset Ave)	Spring Garden St																		1			Type 1 Modified - 848.06
2146**	70	SR-1442 (Sunset Ave)	N Mccrary St																		1			Type 1 Modified - 848.06
2150	71	SR-1442 (Sunset Ave)	N Cherry St																		1			Type 1B - 848.06
2151	71	SR-1442 (Sunset Ave)	SR-1443 (S Cherry St)													2					1			Type 1 Modified - 848.06
2127	72	SR-1451 (N Park St)	Hoover St										6								1			Type 1B - 848.06
2111	73	SR-1707 (N Church St)	Asheboro City Hall (146 N Church St) North Parking Lot Entrance				30			15	30										1			Type 4B - 848D0610
2112	73	SR-1707 (N Church St)	Asheboro City Hall (146 N Church St) North Parking Lot Entrance																		1			Type 1 - 848.06
1961	74	US-220 BUS (N Fayetteville St)	Pinnacle Financial Partners (175 N Fayetteville St)																		1			Type 1A - 848.06
1965	74	US-220 BUS (N Fayetteville St)	Parking Lot (152 N Fayetteville St)																		1			Standard - 848.06
1967	74	US-220 BUS (N Fayetteville St)	Parking Lot (152 N Fayetteville St)																		1			Standard - 848.06
1897	75	SR-2327 (N Cox St)	Randolph County Courthouse (176 E Salisbury St) Secured North Entrance																		1			Type 1C - 848.06
1898	75	SR-2327 (N Cox St)	Randolph County Courthouse (176 E Salisbury St) Secured North Entrance																		1			Type 1C - 848.06
1899	75	SR-2327 (N Cox St)	Asheboro Public Library (201 Worth St) N Cox St Entrance																		1			Type 2B - 848.06
1900	75	SR-2327 (N Cox St)	Asheboro Public Library (201 Worth St) N Cox St Entrance																		1			Type 2B - 848.06
1901	75	SR-2327 (N Cox St)	Randolph County Courthouse (176 E Salisbury St) Secured South Entrance																		1			Type 1 - 848.06
1902	75	SR-2327 (N Cox St)	Randolph County Courthouse (176 E Salisbury St) Secured South Entrance																		1			Type 1C - 848.06
1904	76	SR-2327 (N Cox St)	Worth St																		1			Standard - 848.06
1905	76	SR-2327 (S Cox St)	Worth St																		1			Type 2B - 848.06
1906**	76	SR-2327 (S Cox St)	Worth St																		1			Type 1 Modified - 848.06
2105	77	US-220 BUS (S Fayetteville St)	Trade St										3							1				Retrofit Warnings - 848.06
2109	78	US-220 BUS (S Fayetteville St)	Sunset Ave													1					1			Type 2A - 848.06
2119	79	SR-1707 (N Church St)	First Baptist Church (133 N Church St) Main Entrance																		1			Standard - 848.06
2120	79	SR-1707 (N Church St)	First Baptist Church (133 N Church St) Classrooms Entrance																		1			Standard - 848.06
2179	80	SR-1707 (S Church St)	Asheboro Farmers Market (134 S Church St) N Entrance																		1			Type 1C - 848.06
2181**	80	SR-1707 (S Church St)	Asheboro Mill Lofts (161 S Church St) Rear Entrance																		1			Type 1 Modified - 848.06
2161	81	SR-1451 (S Park St)	Home Ave		1									3								1	0	Type 1 Modified - 848.06
Sub-Total				0	1	0	30	0	0	15	30	0	9	3	0	3	0	0	0	1	29	1	0	

*Contingency line item amount provided for adjustments outside of curb ramp pay limits.

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Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer.

Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted.

ADA SUMMARY OF QUANTITIES - ASHEBORO (5,000 - 50,000 POPULATION)

Municipality:	Asheboro
TIP Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
9

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
2162	81	SR-1451 (S Park St)	Home Ave	1						2											1			Type 1 Modified - 848.06
2189	82	SR-1707 (S Church St)	W Academy St																		1			Type 2B - 848.06
2190	82	SR-1707 (S Church St)	W Academy St																		1			Type 3 - 848D0609
2211	83	US-220 BUS (S Fayetteville St)	E Academy St																		1			Type 2B - 848.06
2212	83	US-220 BUS (S Fayetteville St)	E Academy St										9								1			Type 2B - 848.06
2246	84	SR-2203 (S Randolph Ave)	Cliff Rd											3							1			Type 3 Modified - 848D0609
2191	85	SR-1707 (S Church St)	Freedom Dr																		1			Type 1 Modified - 848.06
2192	85	SR-1707 (S Church St)	Freedom Dr																		1			Type 1B - 848.06
2217	86	US-220 BUS (S Fayetteville St)	W Wainman Ave				18					9											1	Remove Ramp
2193	87	SR-1707 (S Church St)	W Wainman Ave										6								1			Type 3 Modified - 848D0609
2194	87	SR-1707 (S Church St)	W Wainman Ave																		1			Type 3 Modified - 848D0609
2195	87	SR-1707 (S Church St)	W Wainman Ave										6								1			Type 1A - 848.06
2196	87	SR-1707 (S Church St)	W Wainman Ave																		1			Type 1A - 848.06
2197	88	SR-1707 (S Church St)	Asheboro Fire Department Station 1 (401 S Church St)																		1			Type 1C - 848.06
2198	88	SR-1707 (S Church St)	Asheboro Fire Department Station 1 (401 S Church St)																		1			Type 1C - 848.06
2230	89	SR-2327 (S Cox St)	E Kivett St																		1			Type 1C - 848.06
2232	89	SR-2327 (S Cox St)	E Kivett St																		1			Type 2B - 848.06
2233	89	SR-2327 (S Cox St)	E Kivett St																		1			Type 1C - 848.06
2226	90	US-220 BUS (S Fayetteville St)	Lanier Ave																		1			Type 1C - 848.06
2328	91	SR-1707 (S Church St)	Memorial Park (898 S Church St) North Entrance																		1			Type 2B - 848.06
2307	92	US-220 BUS (S Fayetteville St)	Bulla St																		1			Type 2B - 848.06
2309	93	US-220 BUS (S Fayetteville St)	Birkhead St				18																1	Remove Ramp
2300	94	SR-2327 (S Cox St)	Rich Ave											3							1			Type 1A - 848.06
2301	94	SR-2327 (S Cox St)	Rich Ave																		1			Type 1A - 848.06
2315	95	SR-1707 (S Church St)	Cooper St																		1			Type 1C - 848.06
2340**	96	SR-1451 (S Park St)	SR-1713 (Albemarle Rd)																		1			Standard - 848.06
2310	97	SR-1707 (S Church St)	United States Postal Service (1030 S Church St)																		1			Type 1C - 848.06
2311	97	SR-1707 (S Church St)	United States Postal Service (1030 S Church St)																		1			Type 1C - 848.06
2345**	98	SR-1451 (S Park St)	State Employees Credit Union (1036 S Park St) North Entrance																		1			Type 1 Modified - 848.06
2346**	98	SR-1451 (S Park St)	State Employees Credit Union (1036 S Park St) North Entrance																		1			Type 1 Modified - 848.06
2347**	99	SR-1451 (S Park St)	State Employees Credit Union (1036 S Park St) South Entrance																		1			Type 1 Modified - 848.06
2348	99	SR-1451 (S Park St)	State Employees Credit Union (1036 S Park St) South Entrance																		1			Type 1 Modified - 848.06
2392	100	US-220 BUS (S Fayetteville St)	W Taft Ave							12				9								1	1	Type 1C - 848.06
2381	101	SR-1707 (S Church St)	Bank OZK (1107 S Church St) Entrance																		1			Type 1 Modified - 848.06
2382	101	SR-1707 (S Church St)	Bank OZK (1107 S Church St) Entrance																		1			Type 1 Modified - 848.06
2383	101	SR-1707 (S Church St)	Parking Lot (1131 S Church St)																		1			Type 1 Modified - 848.06
2384	101	SR-1707 (S Church St)	Parking Lot (1131 S Church St)																		1			Type 1 Modified - 848.06
2390	102	SR-1453 (W Walker Ave)	Asheboro High School (1221 S Park St) Walker Ave Right Turn Entrance																		1			Type 1C - 848.06
Sub-Total				1	0	0	36	0	0	14	0	9	21	15	0	0	0	0	0	0	35	1	2	

*Contingency line item amount provided for adjustments outside of curb ramp pay limits.

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Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted.

ADA SUMMARY OF QUANTITIES - ASHEBORO (5,000 - 50,000 POPULATION)

Municipality:	Asheboro
TIP Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
10

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
2387	103	SR-1453 (W Walker Ave)	SR-1707 (S Church St)																		1			Type 1C - 848.06
2388	103	SR-1453 (W Walker Ave)	SR-1707 (S Church St)									3									1			Type 3 - 848D0609
2397	104	US-220 BUS (S Fayetteville St)	E Dorsett Ave						12				18									1		Type 1A - 848.06
2359	105	SR-1451 (S Park St)	South Asheboro Middle School (523 W Walker Ave) North Entrance						20				20									1		Type 2 - 848.06
2360	105	SR-1451 (S Park St)	South Asheboro Middle School (523 W Walker Ave) North Entrance							30				25								1		Type 1C - 848.06
2365	105	SR-1451 (S Park St)	Asheboro High School (1221 S Park St) Exit																		1			Type 1 Modified - 848.06
2363	106	SR-1451 (S Park St)	South Asheboro Middle School (523 W Walker Ave) Middle Entrance							34			6	25			1					1		Type 2B - 848.06
2369	107	SR-1451 (S Park St)	South Asheboro Middle School (523 W Walker Ave) South Entrance							30				20								1		Type 1C - 848.06
2370	107	SR-1451 (S Park St)	South Asheboro Middle School (523 W Walker Ave) South Entrance							18												1		Type 1C - 848.06
2371	107	US-64 BUS	SR-1451 (S Park St)									6									1			Standard - 848.06
2372**	107	US-64 BUS	SR-1451 (S Park St)						6			12					1							Other
3396	108	US-64 BUS	SR-1156 (S Park St)						20													1		Standard - 848.06
3397	108	US-64 BUS	SR-1156 (S Park St)						15													1		Standard - 848.06
3398	109	US-64 BUS	Speedway (509 W Dixie Dr)					15	12			25		9								1		Standard - 848.06
3399	109	US-64 BUS	Speedway (509 W Dixie Dr)						12			62		3			1					1		Standard - 848.06
2407	110	SR-2925 (Teachey School Dr)	Guy B Teachy Elementary School (294 Newbern Ave) West Parking Lot Entrance							20				6								1		Type 1 - 848.06
2408	110	SR-2925 (Teachey School Dr)	Guy B Teachy Elementary School (294 Newbern Ave) West Parking Lot Entrance							20				6								1		Type 1 - 848.06
2398	111	SR-2327 (S Cox St)	E Dorsett Ave																		1			Standard - 848.06
2399	111	SR-2327 (S Cox St)	Waffle House (1304 S Cox St)													1					1			Type 1C - 848.06
2401	112	US-64 BUS	SR-2203 (Cliff Rd)													1					1			Standard - 848.06
2295	113	US-64 BUS	Triad Goodwill Career Center (1064 E Dixie Dr)				20																1	Remove Ramp
2296	113	US-64 BUS	Triad Goodwill Career Center (1064 E Dixie Dr)																		1			Type 1A - 848.06
2406	114	SR-2826 (Browers Chapel Rd)	Mackie Ave																		1			Type 1A - 848.06
2288	115	US-64 BUS	Executive Way																		1			Standard - 848.06
2289	115	US-64 BUS	Executive Way				20																1	Remove Ramp
2285	116	US-64 BUS	Zaxbys (1205 E Dixie Dr) East Entrance													1					1			Standard - 848.06
2286	116	US-64 BUS	Zaxbys (1205 E Dixie Dr) West Entrance																		1			Standard - 848.06
2287	116	US-64 BUS	Zaxbys (1205 E Dixie Dr) West Entrance																		1			Standard - 848.06
2283	117	US-64 BUS	Mattress Firm (1210 E Dixie Dr)																		1			Standard - 848.06
2284	117	US-64 BUS	Mattress Firm (1210 E Dixie Dr)																		1			Standard - 848.06
2275	118	US-64 BUS	ALDI (1318 E Dixie Dr) Main Entrance																		1			Standard - 848.06
2277	118	US-64 BUS	ALDI (1318 E Dixie Dr) Truck Entrance																		1			Standard - 848.06
2271	119	US-64 BUS	Crossroads Plaza Shopping Center (1359 E Dixie Dr) US-64 BUS Entrance																		1			Type 1C - 848.06
2274	119	US-64 BUS	Crossroads Plaza Shopping Center (1359 E Dixie Dr) US-64 BUS Entrance																		1			Standard - 848.06
2270	120	US-64 BUS	Harbor Freight (1330 E Dixie Dr) US-64 BUS Entrance													1					1		2	Standard - 848.06
Sub-Total				0	0	0	40	15	0	249	0	108	6	132	0	4	3	0	0	0	20	12	2	

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ADA SUMMARY OF QUANTITIES - ASHEBORO (5,000 - 50,000 POPULATION)

Municipality:	Asheboro
TIP Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
11

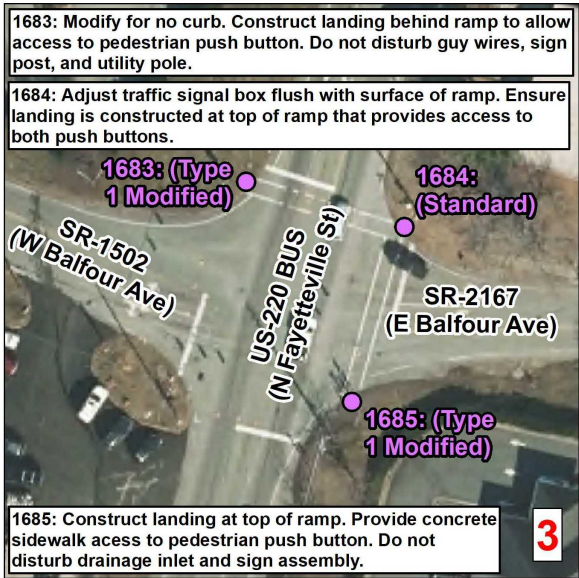
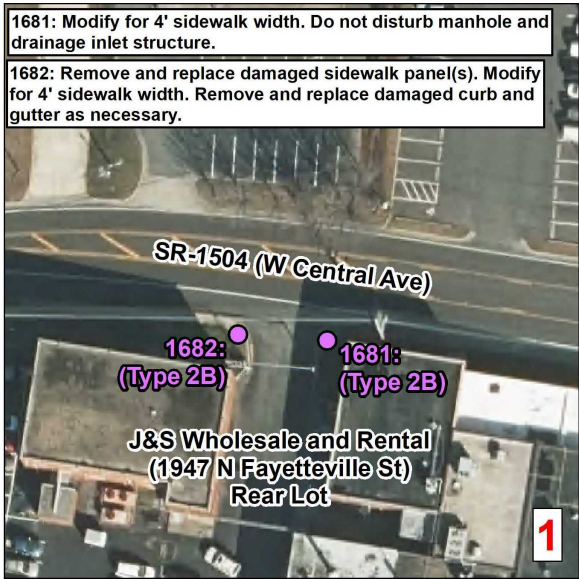
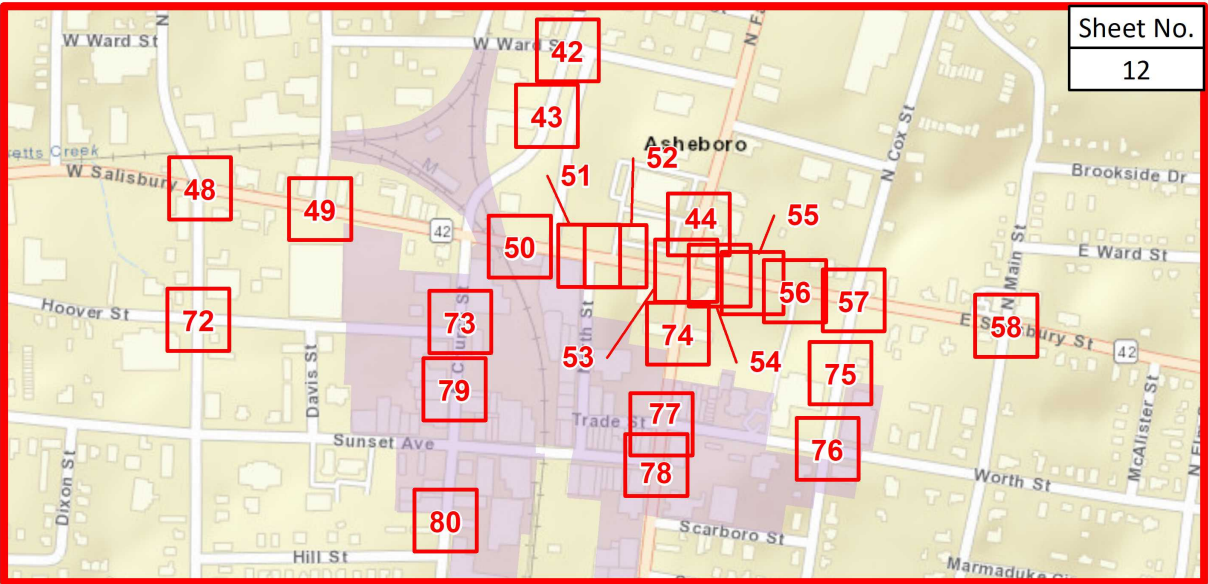
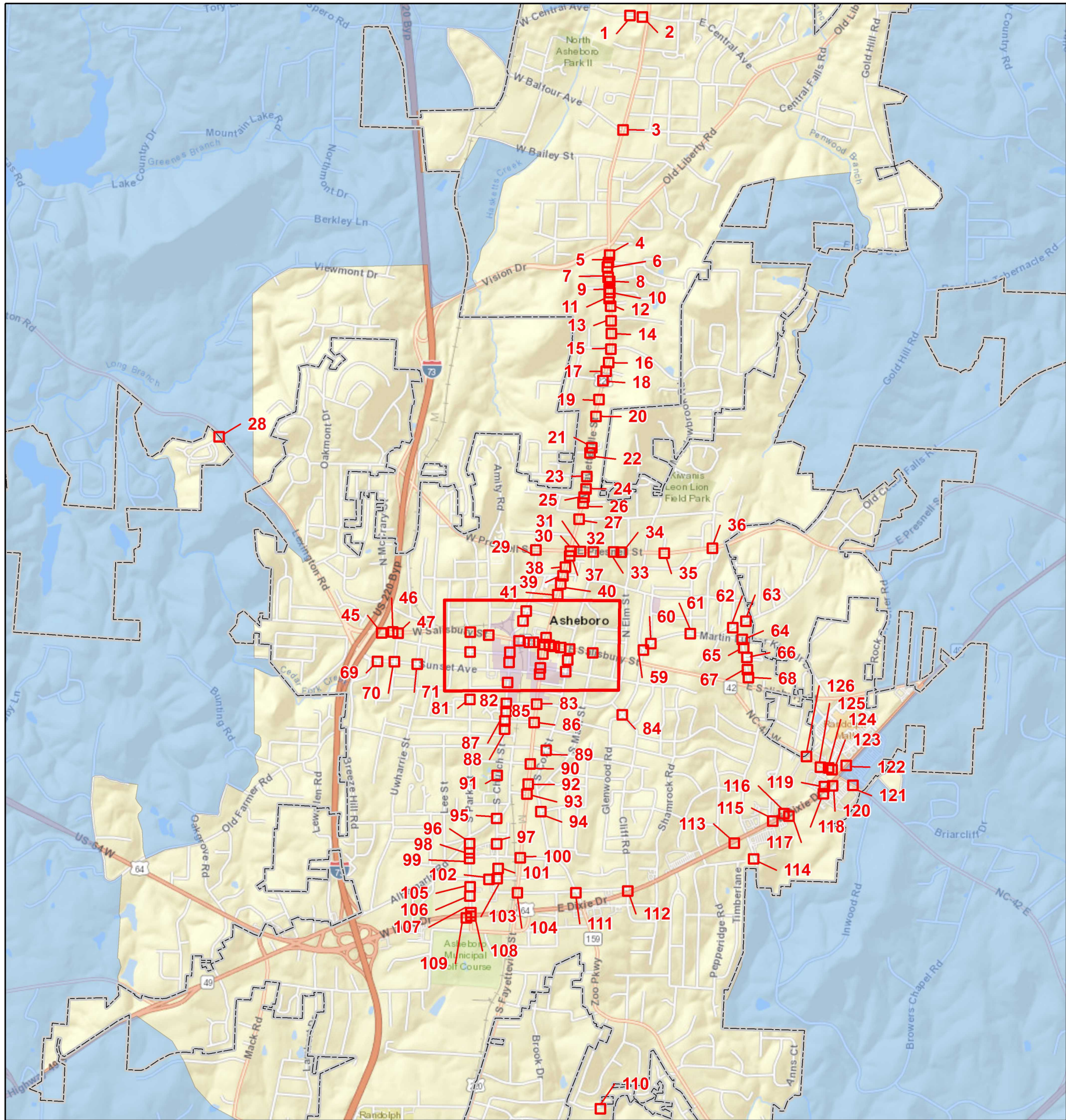
Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
2256	121	NC-42	Harbor Freight (1330 E Dixie Dr) NC-42 Entrance																		1			Standard - 848.06
2257	121	NC-42	Harbor Freight (1330 E Dixie Dr) NC-42 Entrance																		1			Standard - 848.06
2249	122	US-64 BUS	BP Gas Station (1407 E Dixie Dr) US-64 BUS North Entrance																		1			Type 1A - 848.06
2250	122	US-64 BUS	BP Gas Station (1407 E Dixie Dr) US-64 BUS North Entrance																		1			Type 1A - 848.06
2258	123	NC-42	BP Gas Station (1407 E Dixie Dr) NC-42 Entrance																		1			Type 1C - 848.06
2259	123	NC-42	BP Gas Station (1407 E Dixie Dr) NC-42 Entrance							2											1			Type 1A - 848.06
2260	124	NC-42	NC Farm Bureau (140 NC-42)							2											1			Type 1A - 848.06
2261	124	NC-42	NC Farm Bureau (140 NC-42)		1	20			30									1						Other
2263	124	NC-42	NC Farm Bureau (140 NC-42)							2											1			Type 1A - 848.06
2266	125	NC-42	Business Center (161 NC-42)													2					1			Type 1A - 848.06
2267	125	NC-42	Crossroads Plaza Shopping Center (1359 E Dixie Dr) NC-42 Entrance																		1			Type 1C - 848.06
2268**	125	NC-42	Crossroads Plaza Shopping Center (1359 E Dixie Dr) NC-42 Entrance																		1			Type 1C - 848.06
2247	126	NC-42	SR-2196 (Lakecrest Rd)																		1			Standard - 848.06
-	-	-	-	-	-	-	-	726*	-	-	-	-	468*	-	-	-	-	-	-	-	-	-	-	
Sub-Total				0	1	20	0	726	30	6	0	0	468	0	0	2	0	1	0	0	12	0	0	
Sub-Total for Asheboro				1	3	20	913	749	30	376	30	448	559	380	3	32	5	1	0	1	242	22	48	

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Curb Ramps To Be Repaired

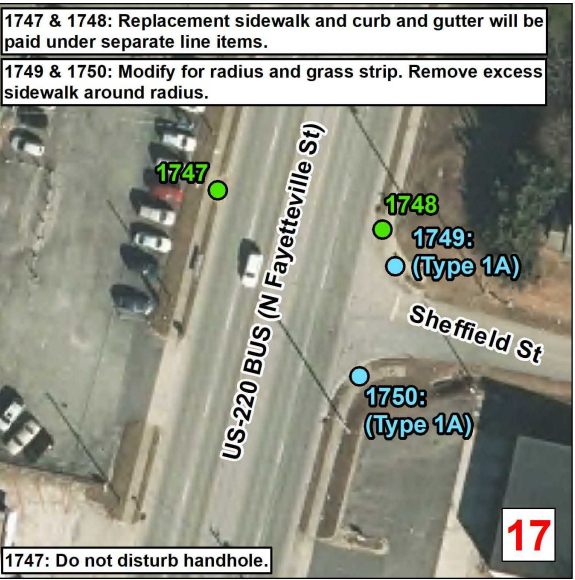
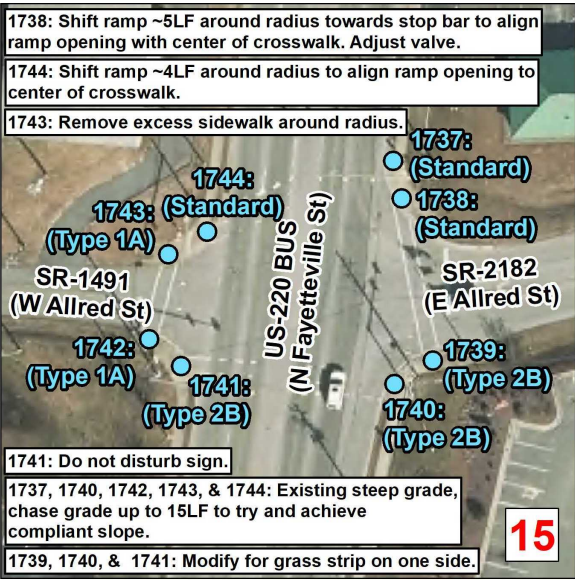
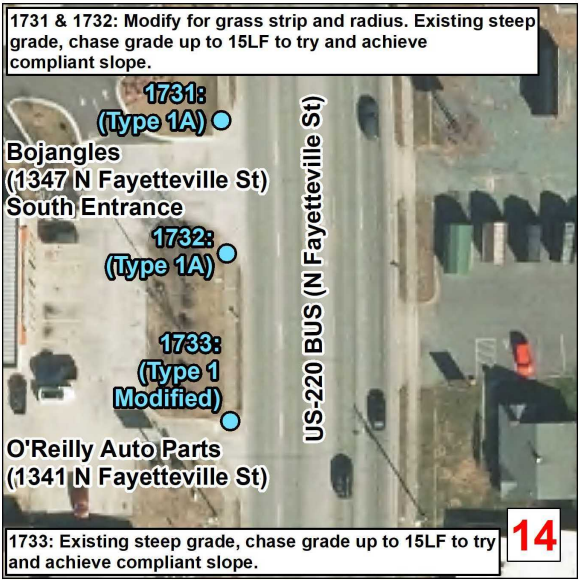
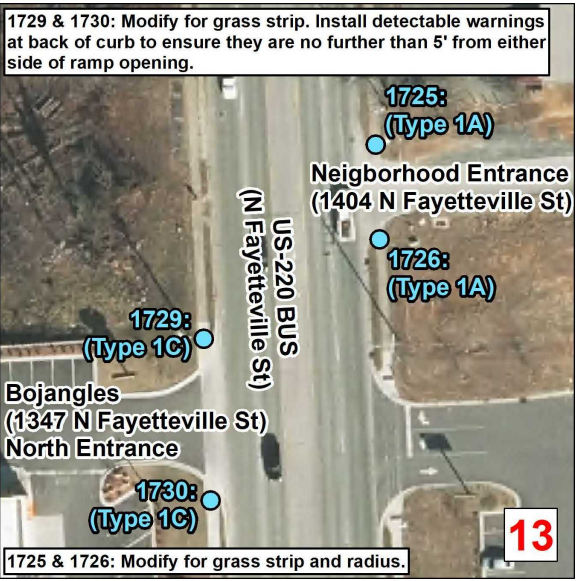
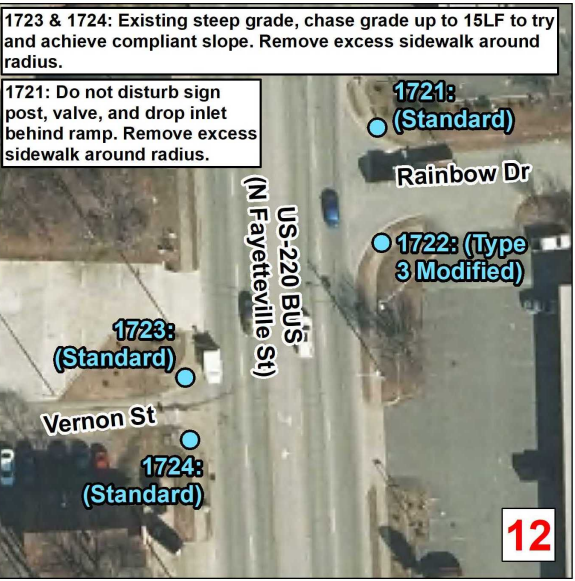
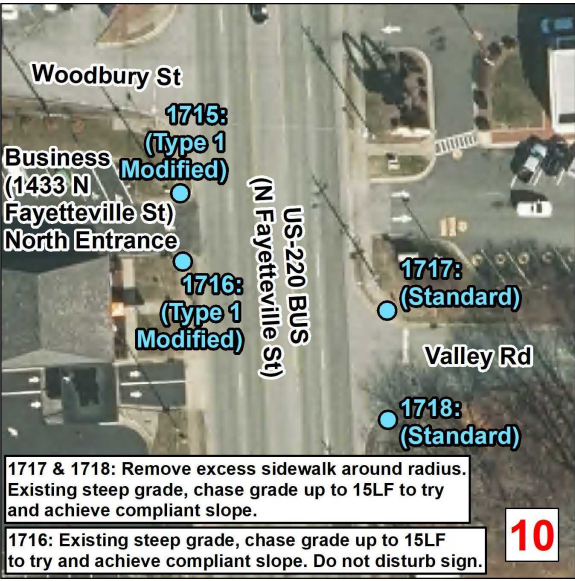
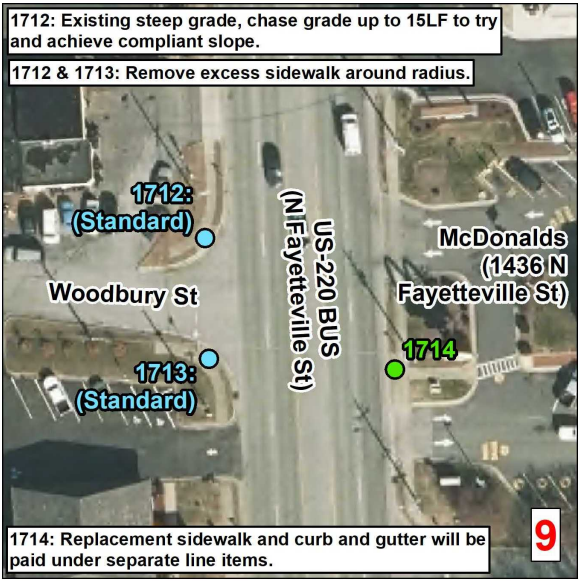
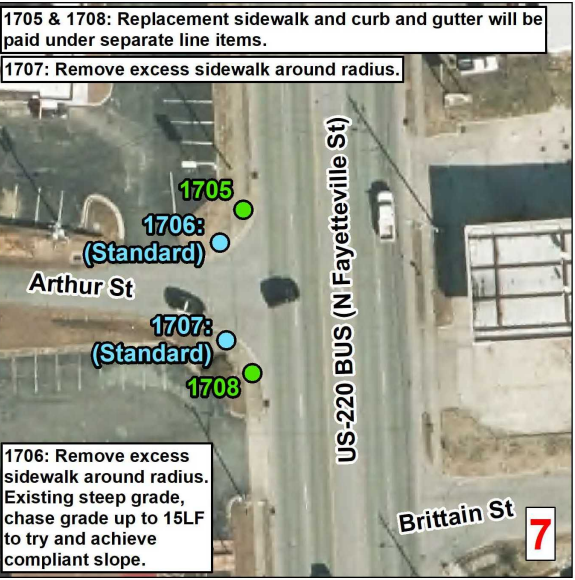
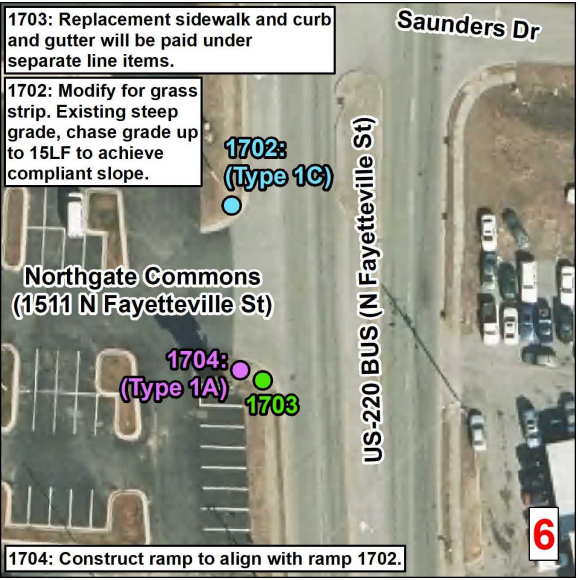
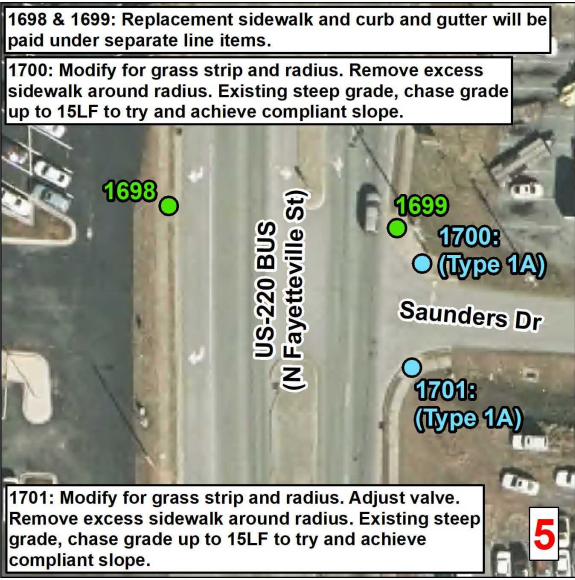
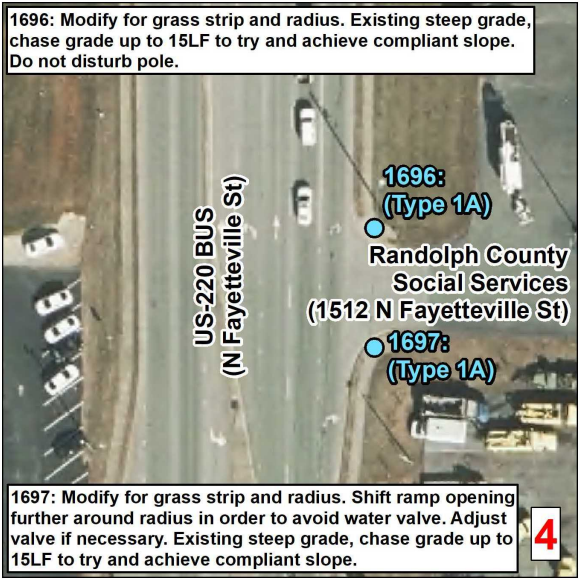
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

▭ Municipal Boundary
▭ Census Urban Areas (<5,000 Pop)
▭ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population
Municipality: Asheboro
TIP Number: BO-2408J
WBS Number: 50937.3.14
County: Randolph

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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



Sheet No. 13

Curb Ramps To Be Repaired

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

▭ Municipal Boundary

▭ Census Urban Areas (<5,000 Pop)

▭ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population

Municipality: Asheboro

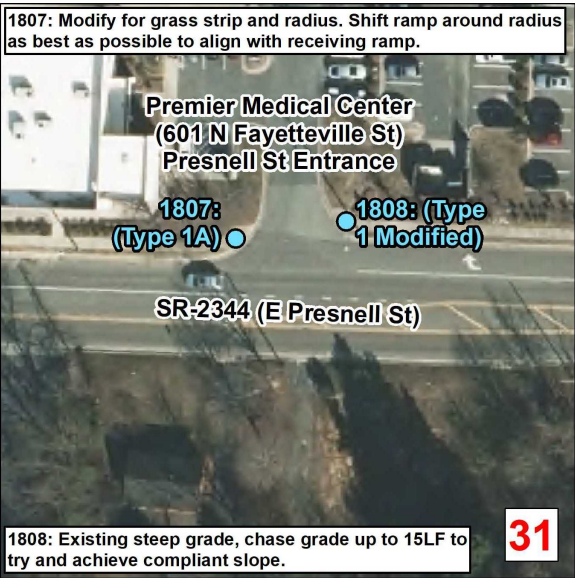
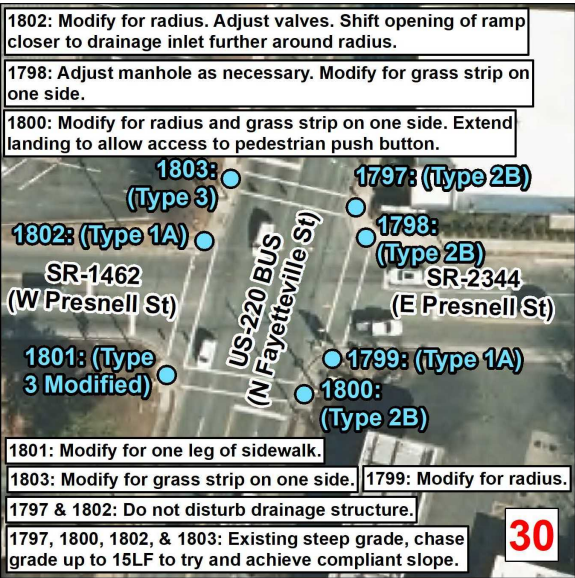
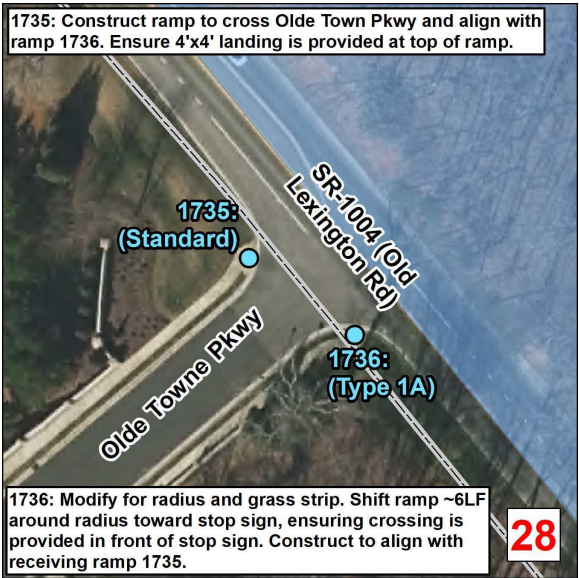
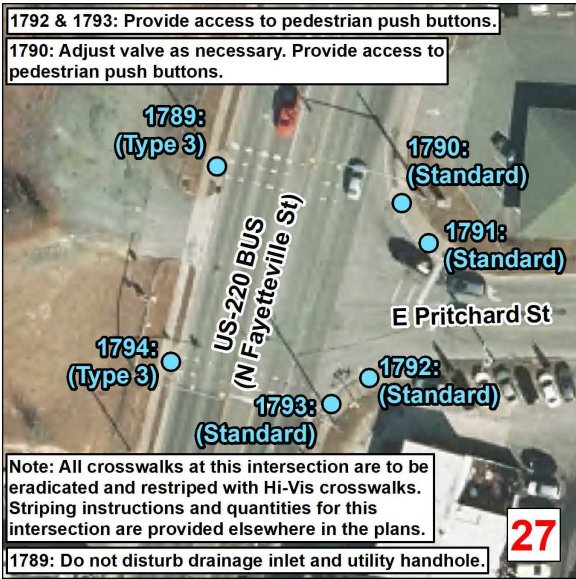
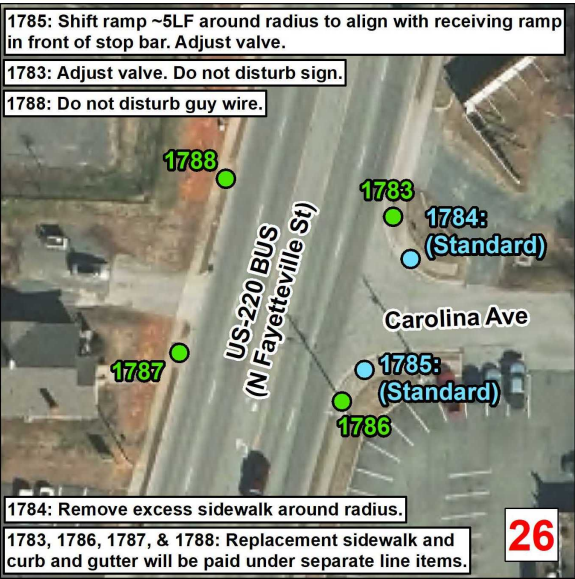
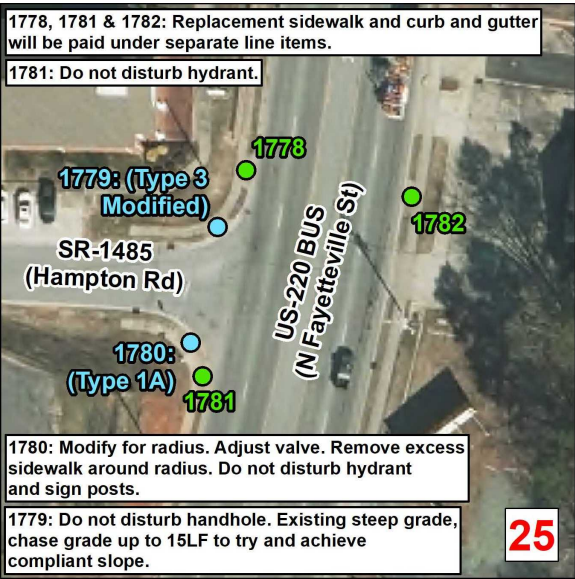
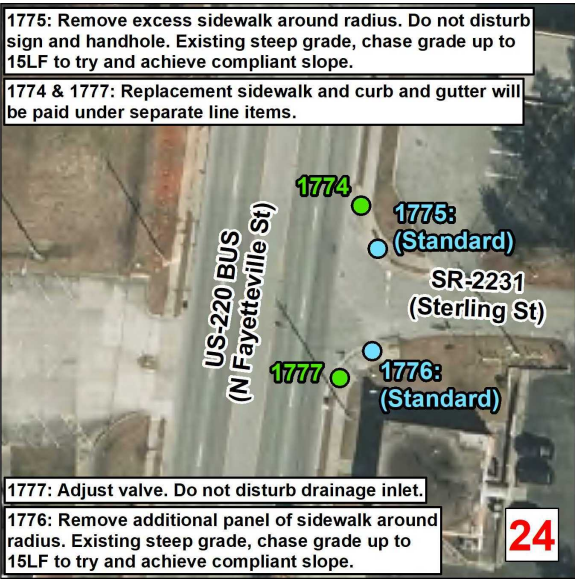
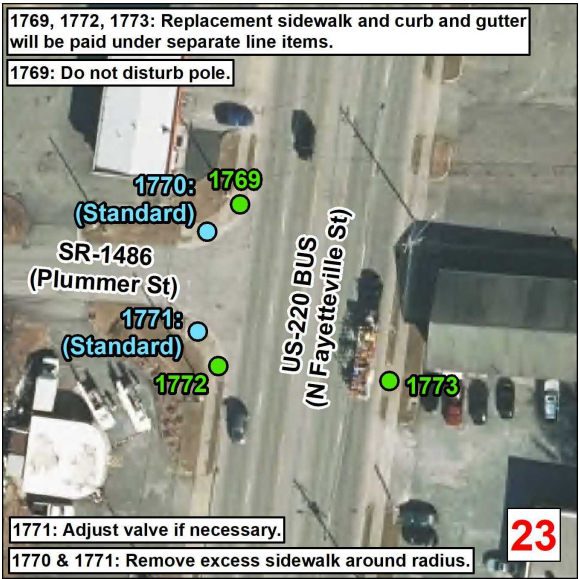
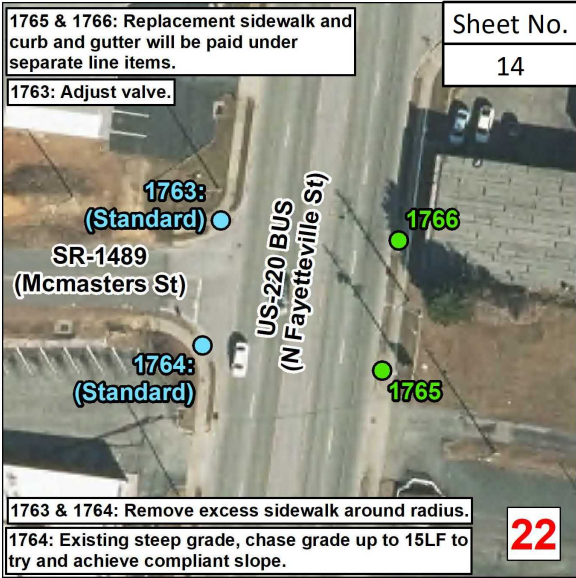
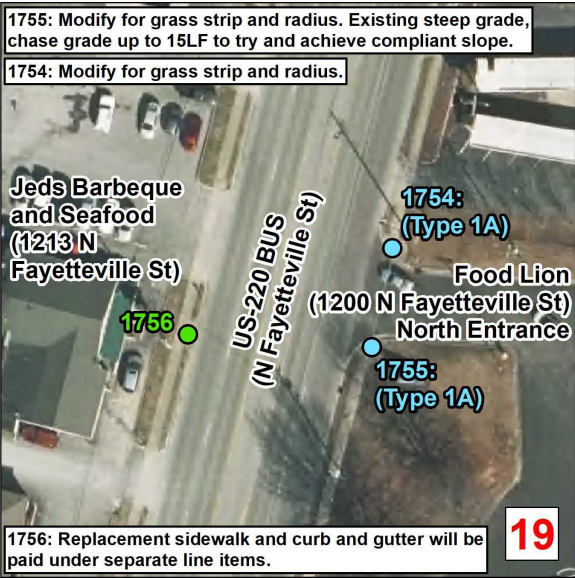
TIP Number: BO-2408J

WBS Number: 50937.3.14

County: Randolph

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 8

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



Curb Ramps To Be Repaired

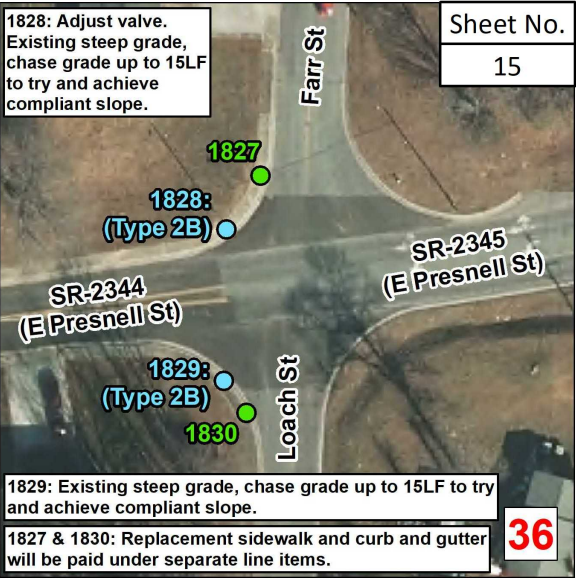
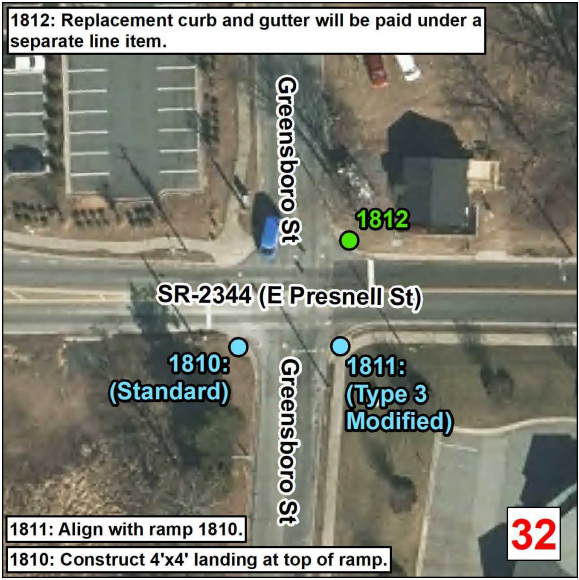
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

■ Municipal Boundary
■ Census Urban Areas (<5,000 Pop)
■ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population
Municipality: Asheboro
TIP Number: BO-2408J
WBS Number: 50937.3.14
County: Randolph

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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

▭ Census Urban Areas (<5,000 Pop)

▭ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population

Municipality: Asheboro

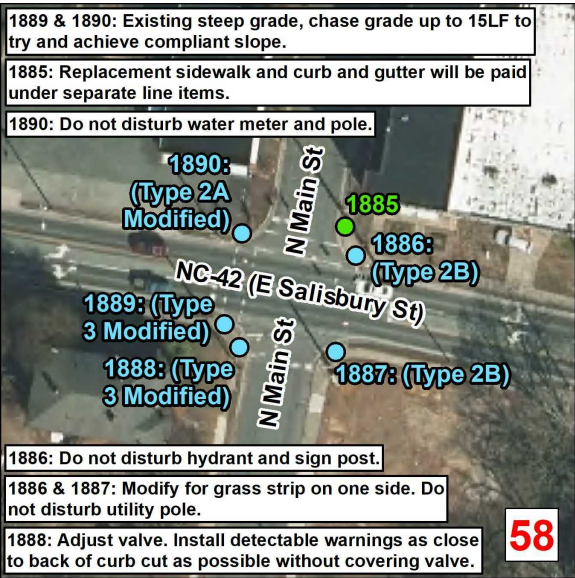
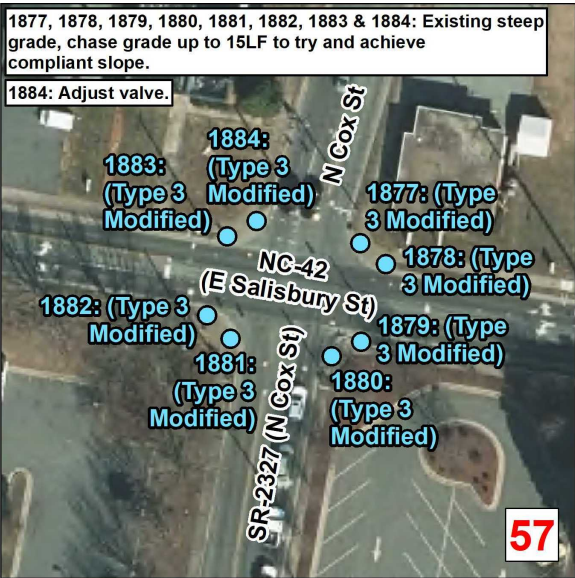
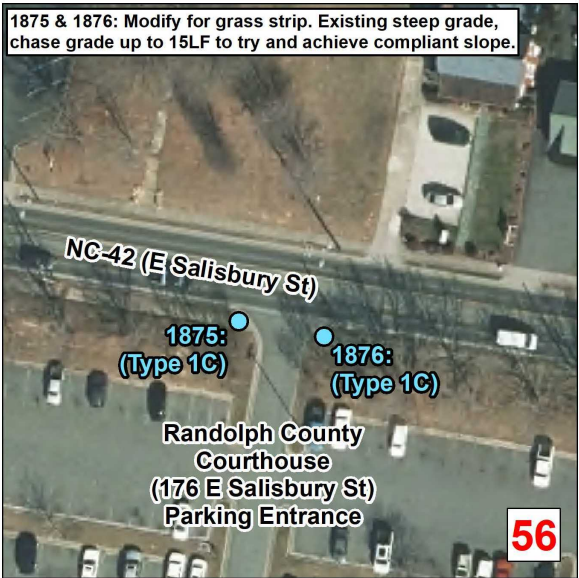
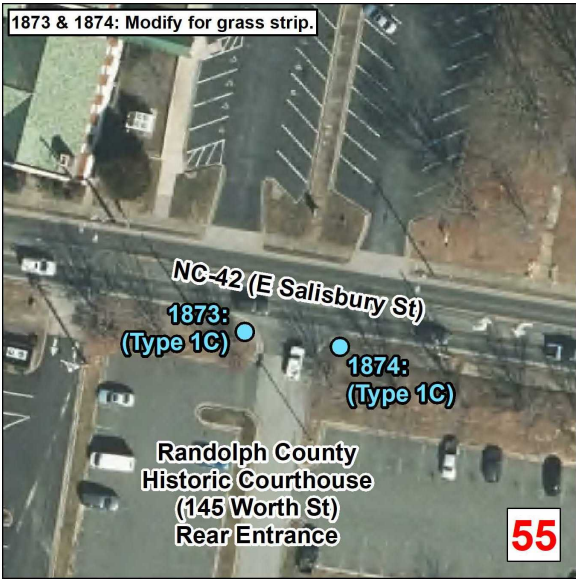
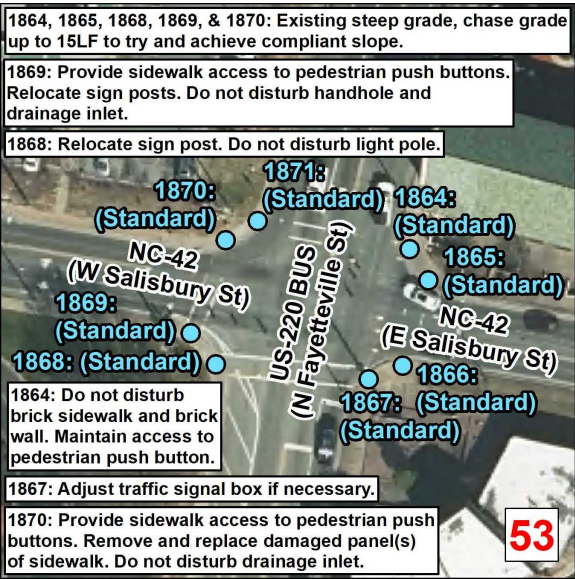
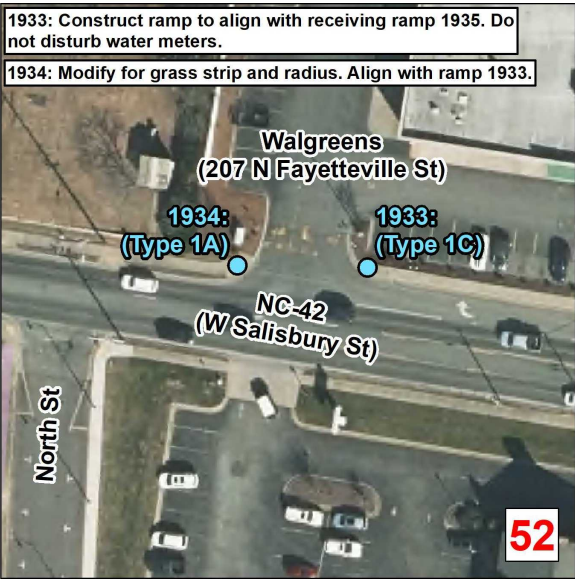
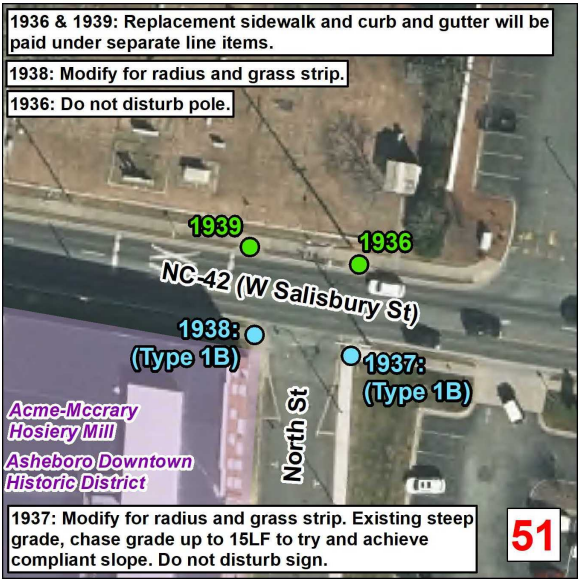
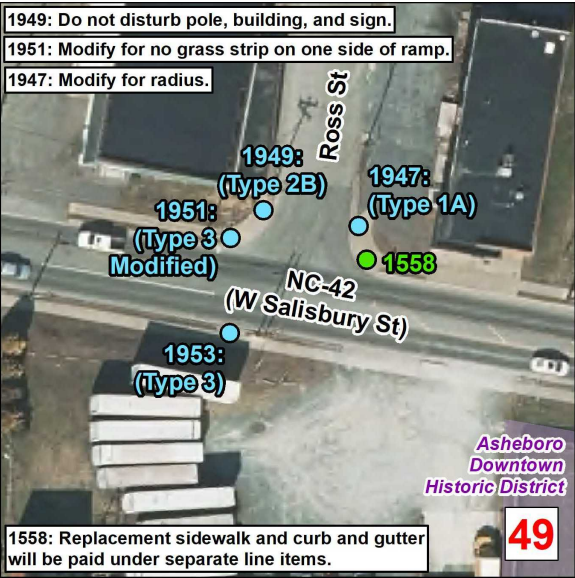
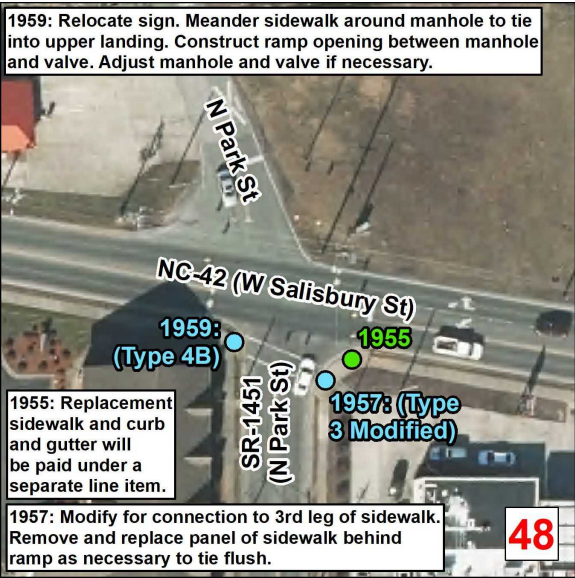
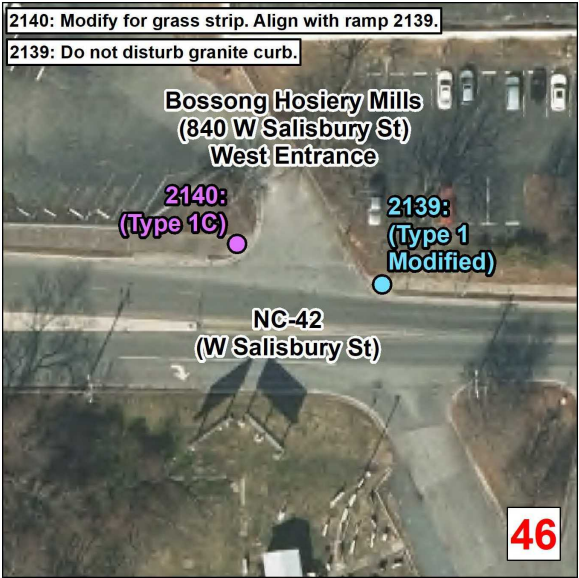
TIP Number: BO-2408J

WBS Number: 50937.3.14

County: Randolph

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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

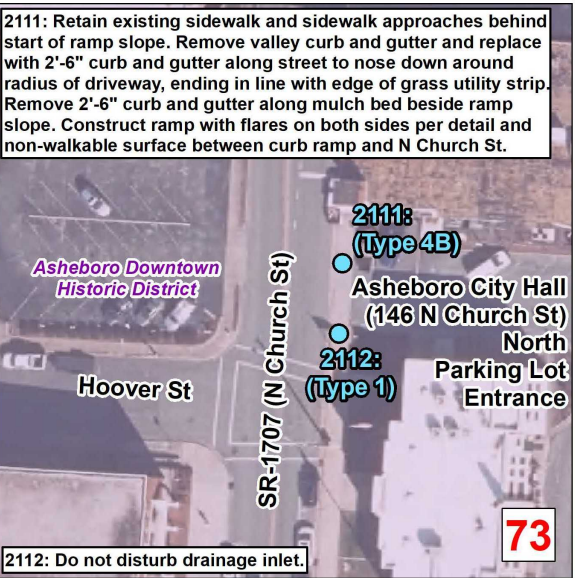
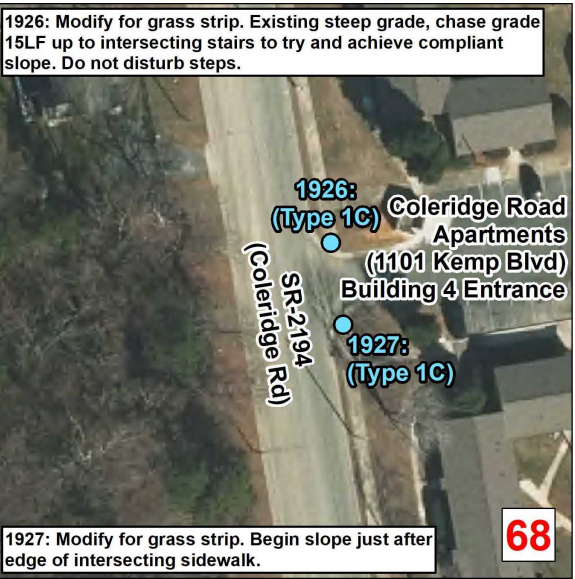
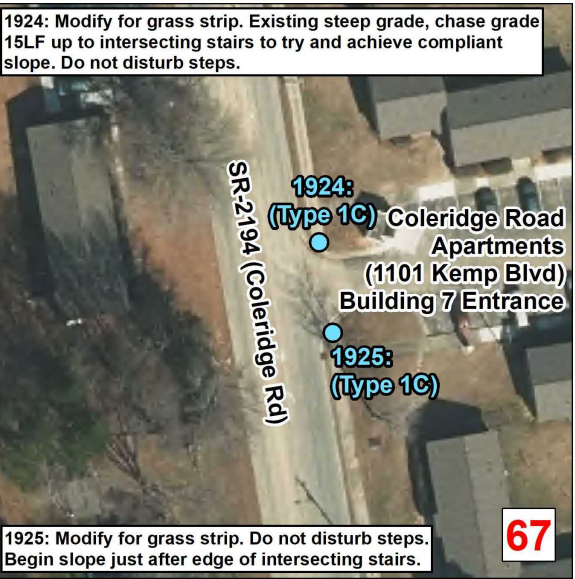
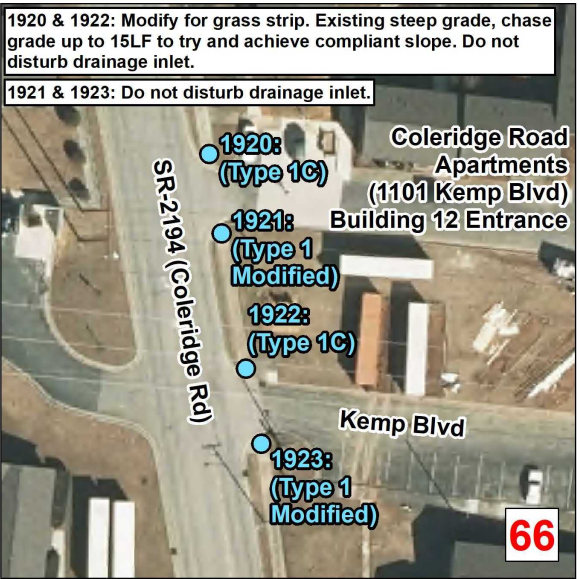
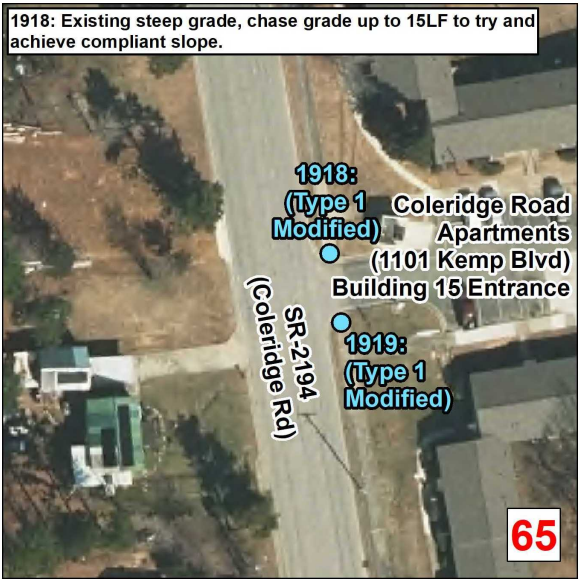
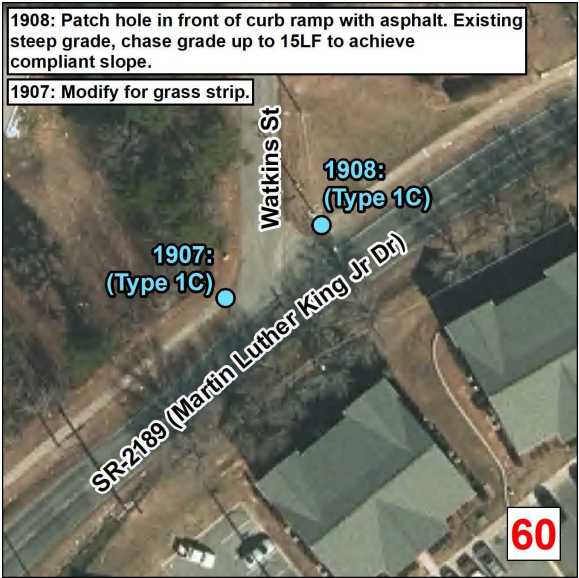
▭ Census Urban Areas (<5,000 Pop)

▭ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population
Municipality: Asheboro
TIP Number: BO-2408J
WBS Number: 50937.3.14
County: Randolph

 NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 8

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

▭ Census Urban Areas (<5,000 Pop)

▭ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population

Municipality: Asheboro

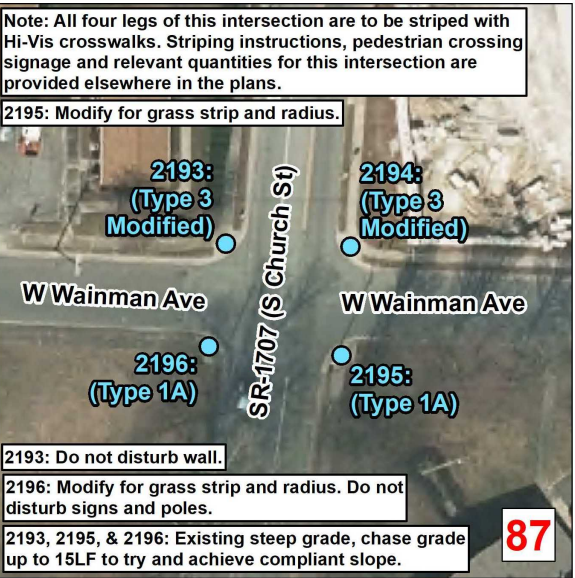
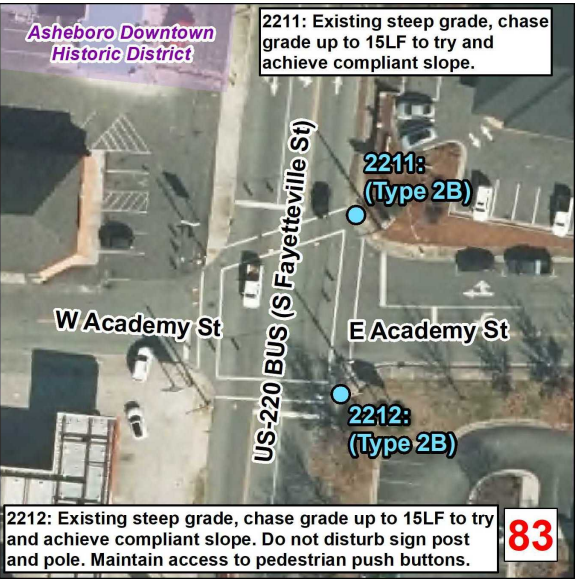
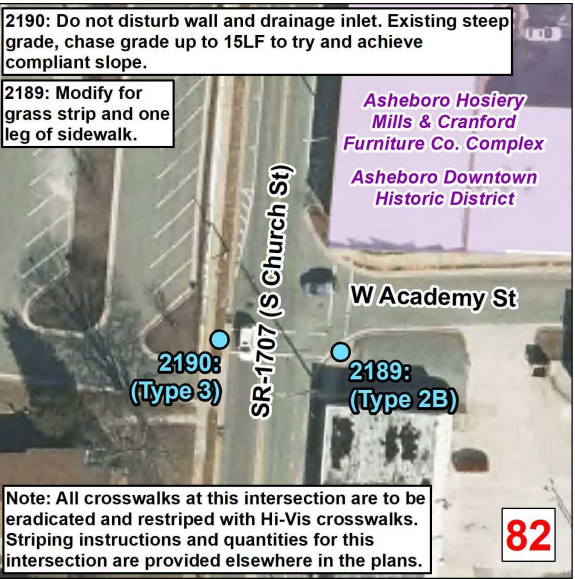
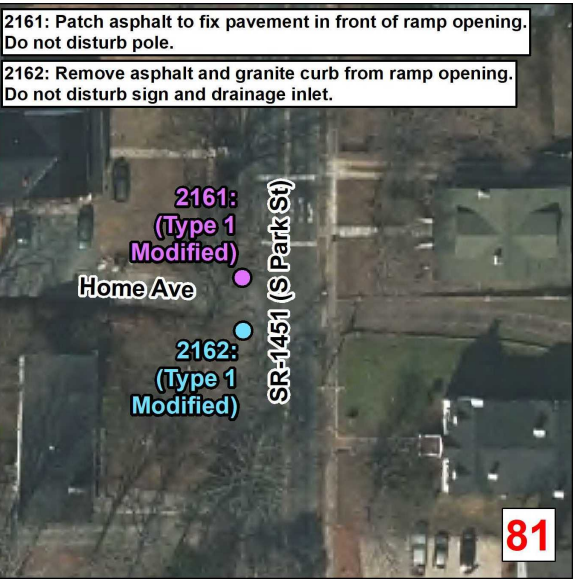
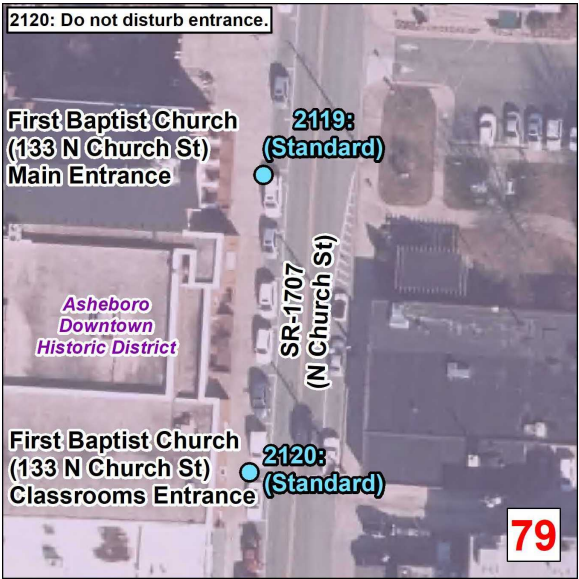
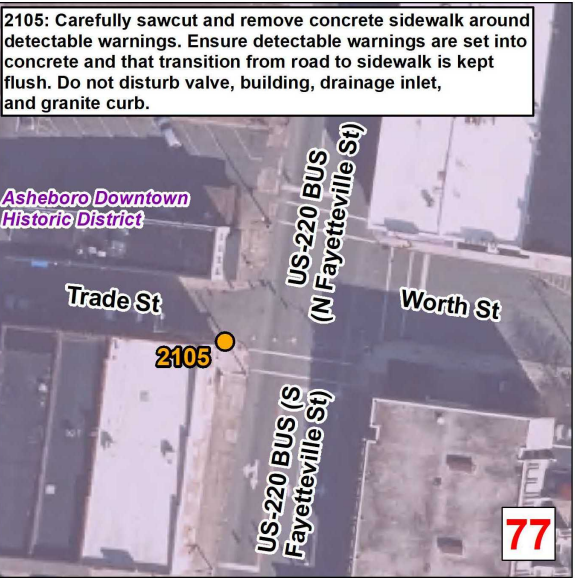
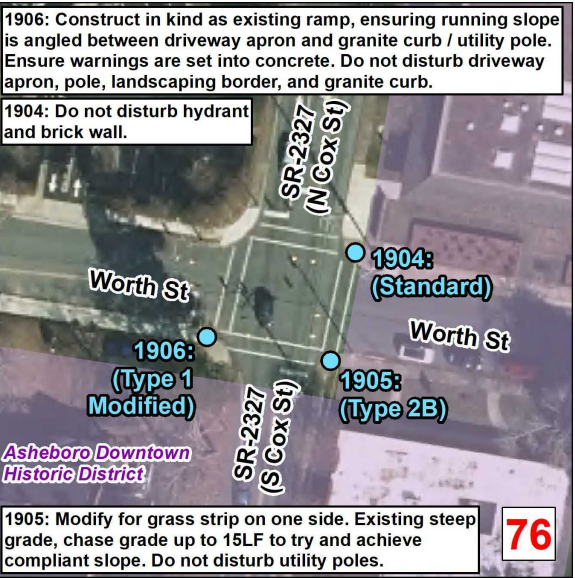
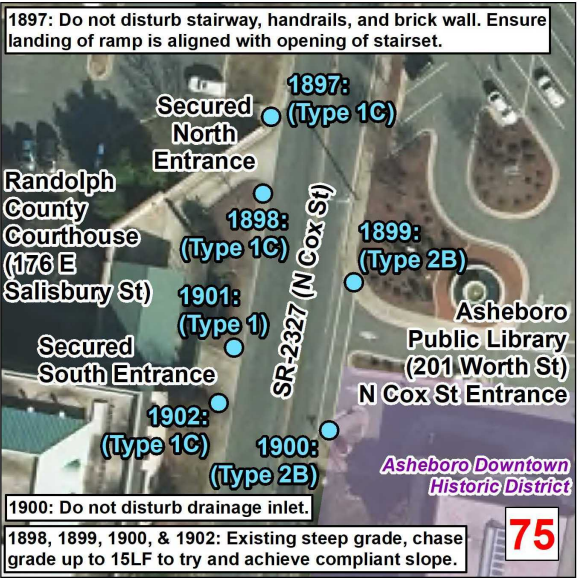
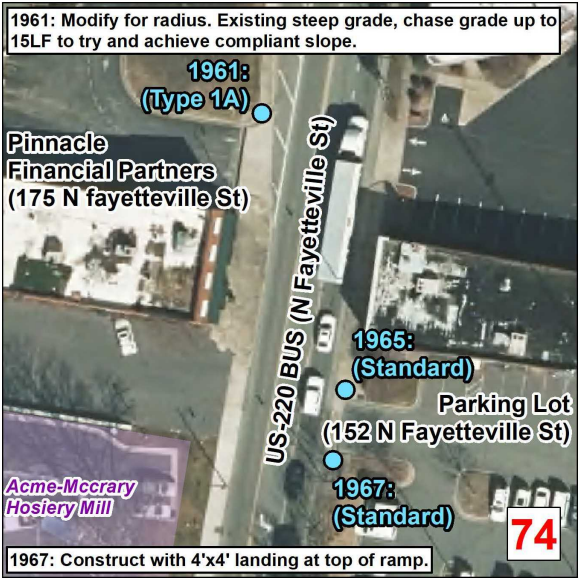
TIP Number: BO-2408J

WBS Number: 50937.3.14

County: Randolph

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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

▭ Census Urban Areas (<5,000 Pop)

▭ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population

Municipality: Asheboro

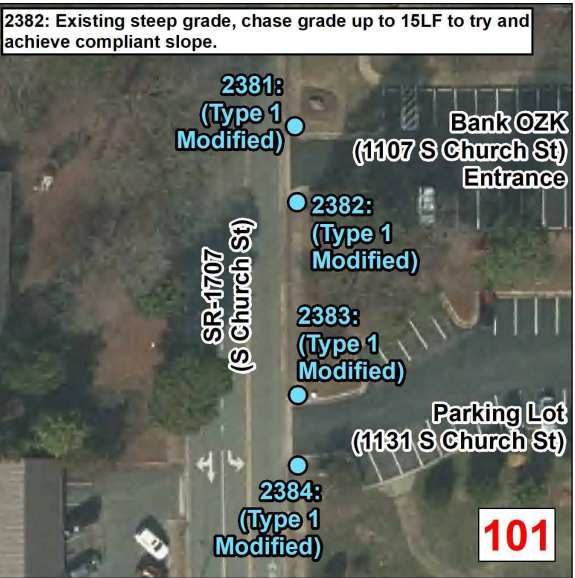
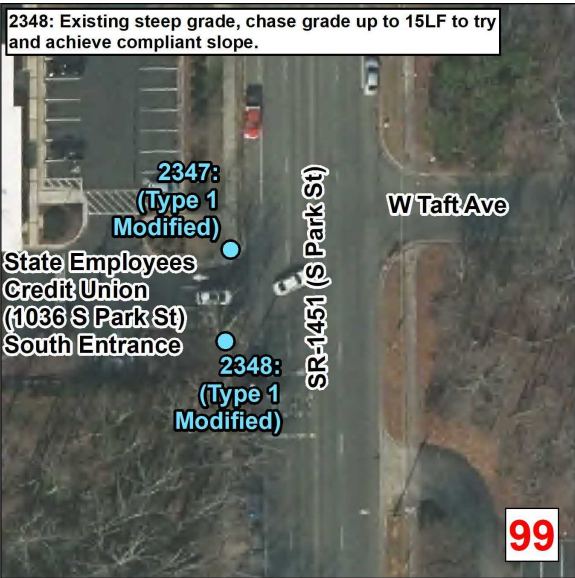
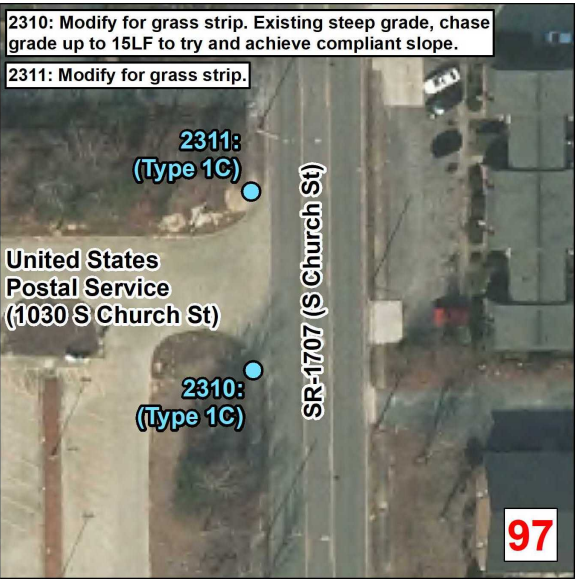
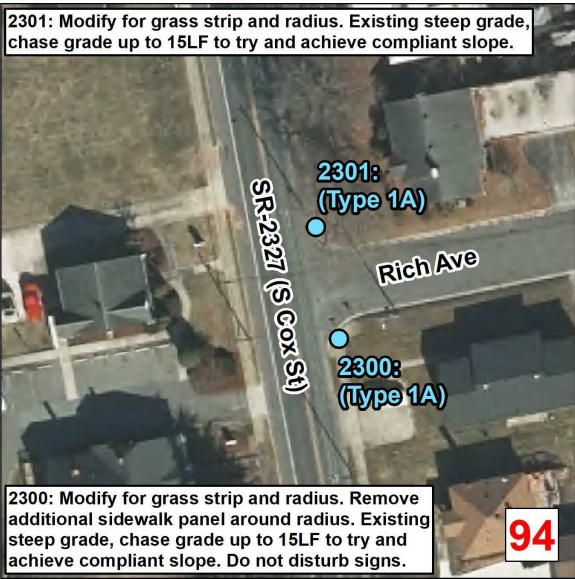
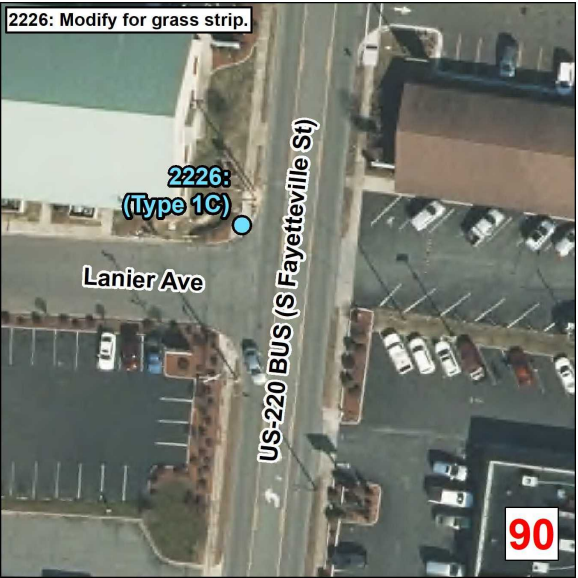
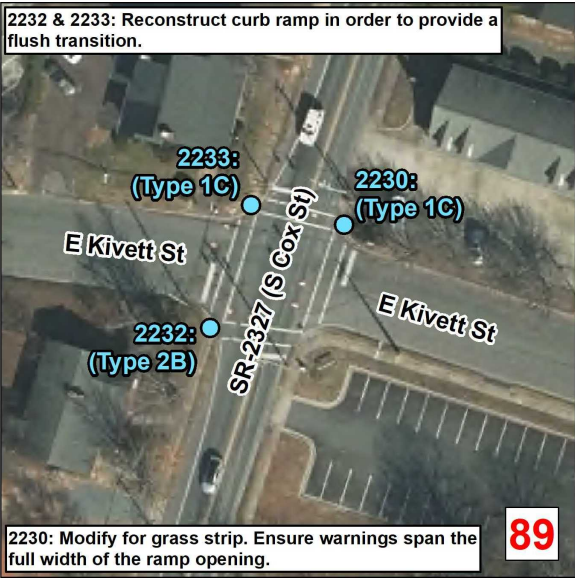
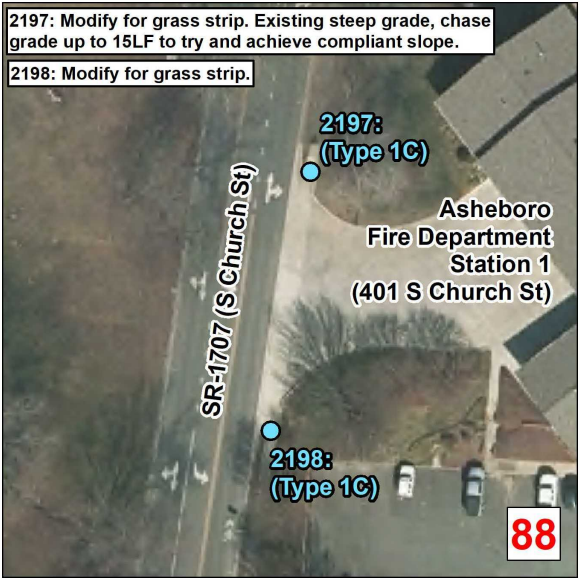
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WBS Number: 50937.3.14

County: Randolph

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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

▭ Census Urban Areas (<5,000 Pop)

▭ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population

Municipality: Asheboro

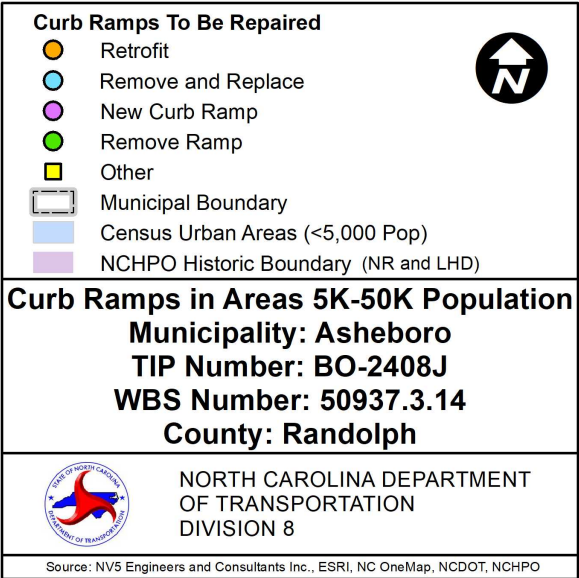
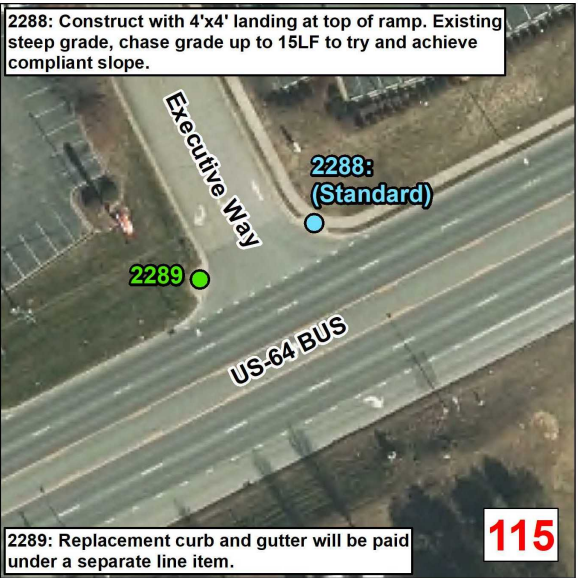
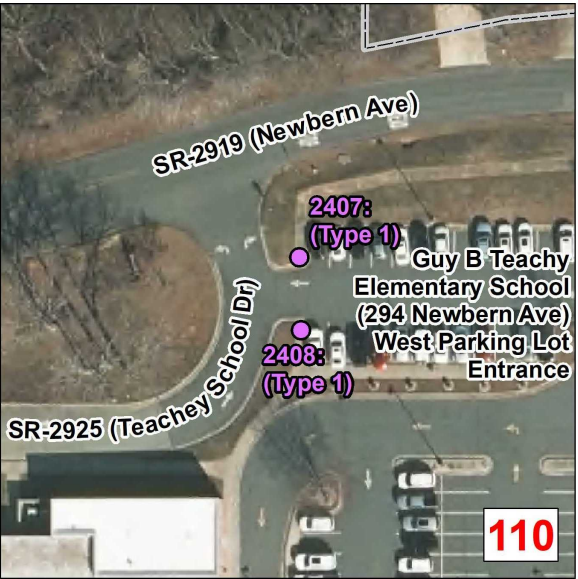
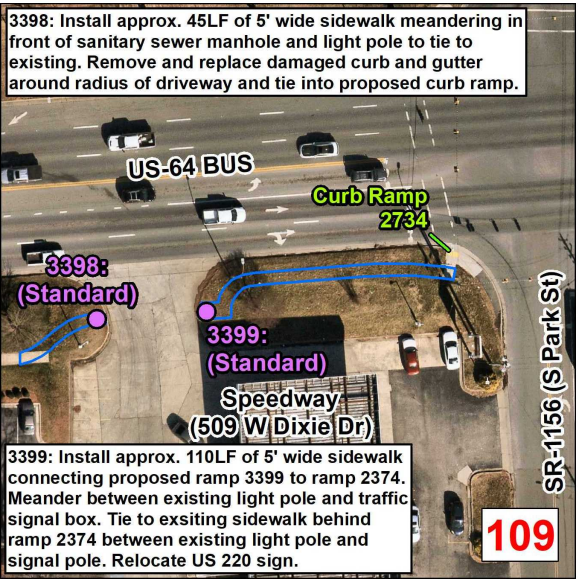
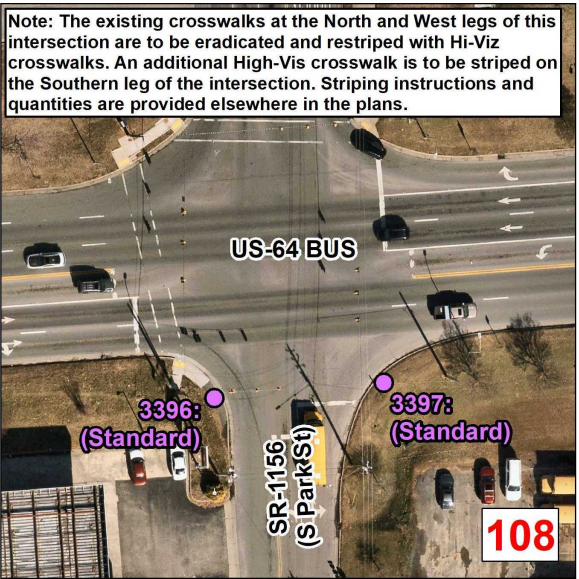
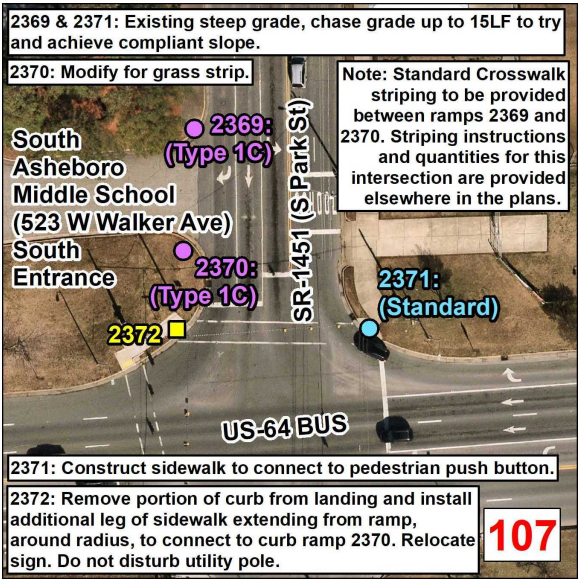
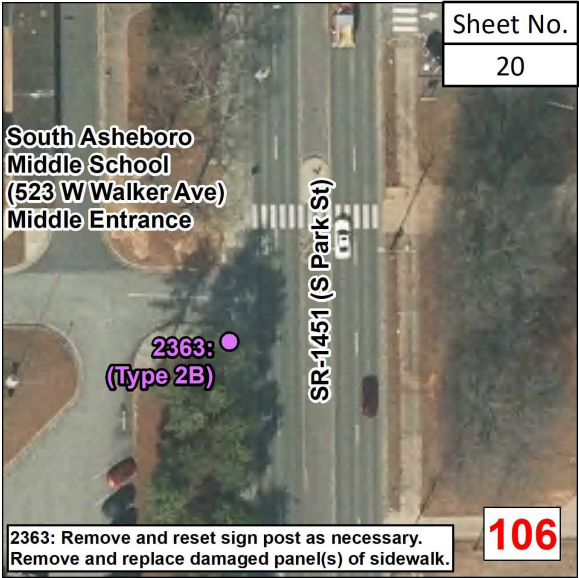
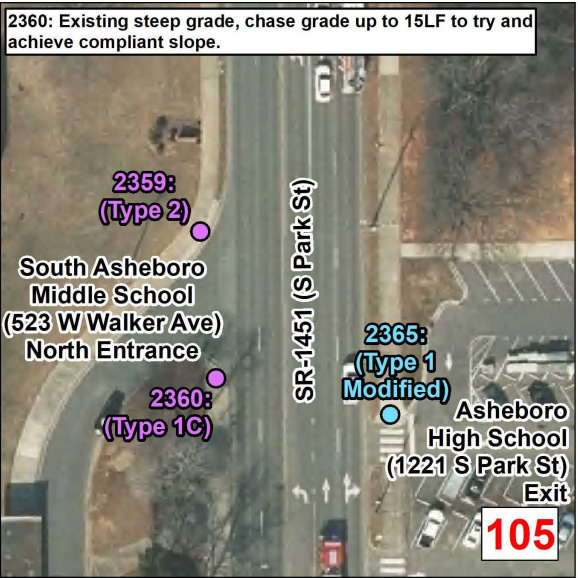
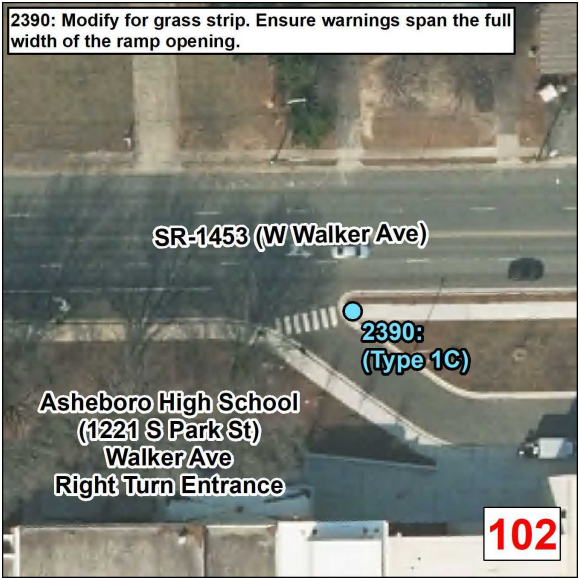
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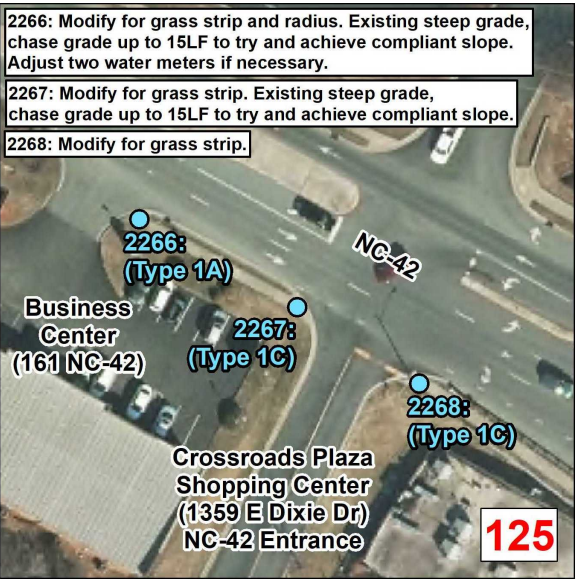
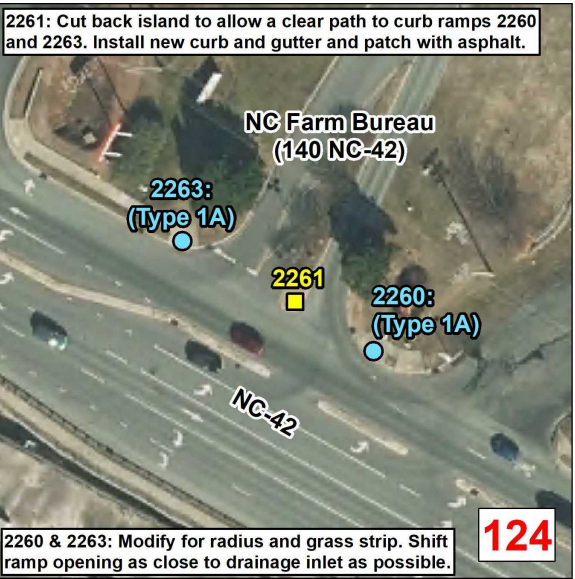
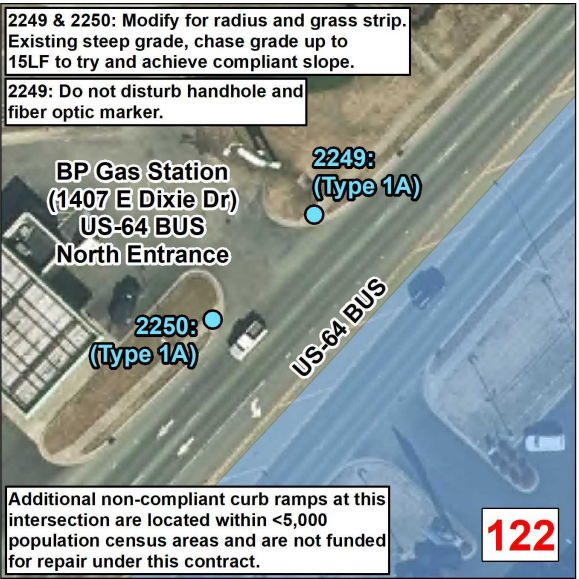
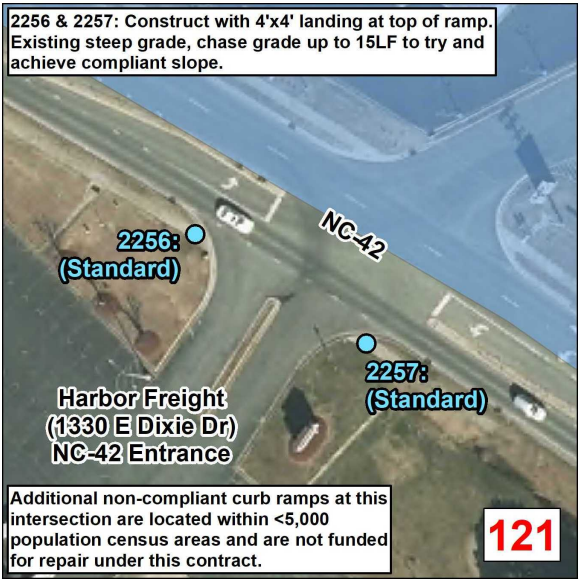
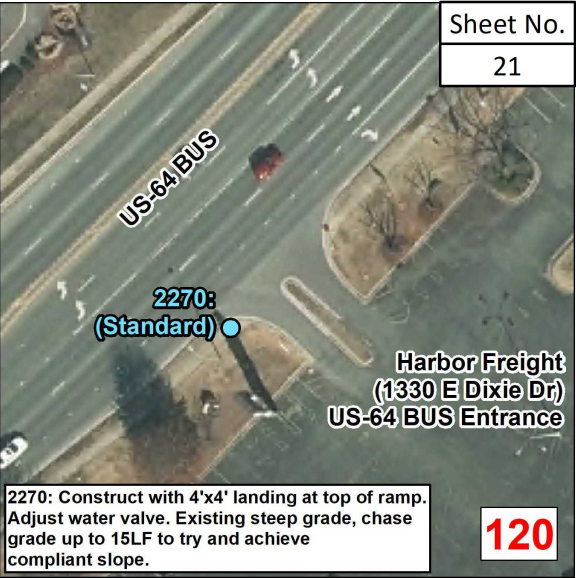
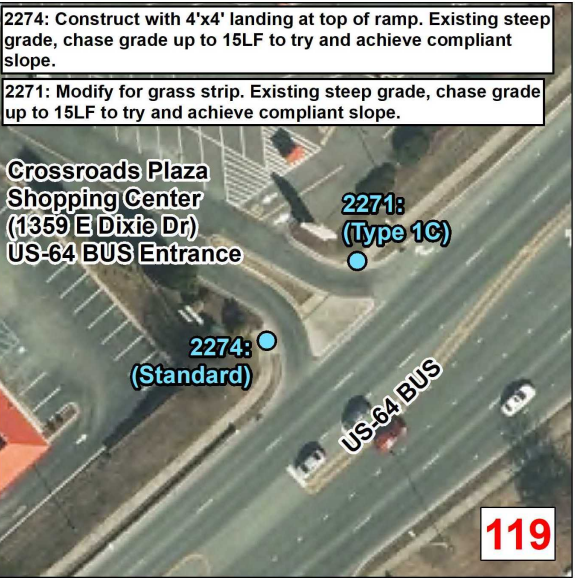
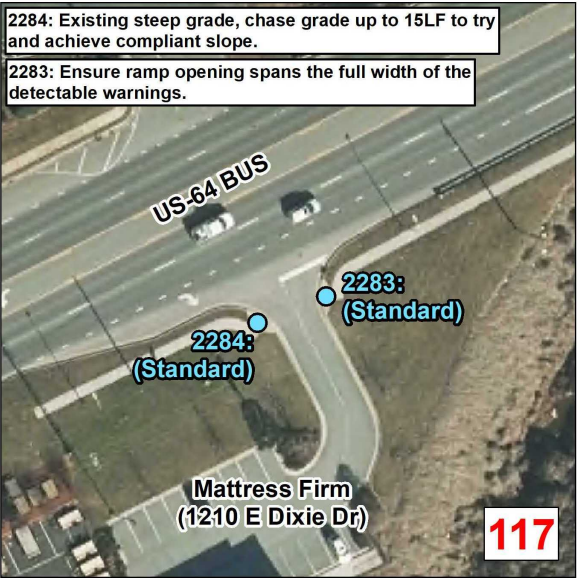
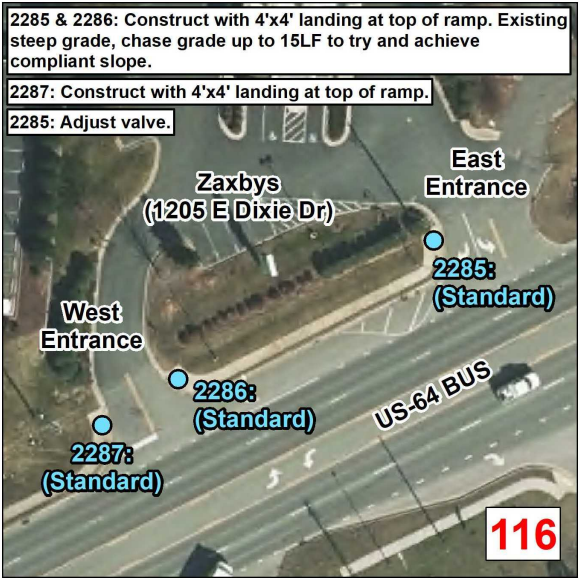
WBS Number: 50937.3.14

County: Randolph

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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

■ Census Urban Areas (<5,000 Pop)

■ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population

Municipality: Asheboro

TIP Number: BO-2408J

WBS Number: 50937.3.14

County: Randolph

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 8

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

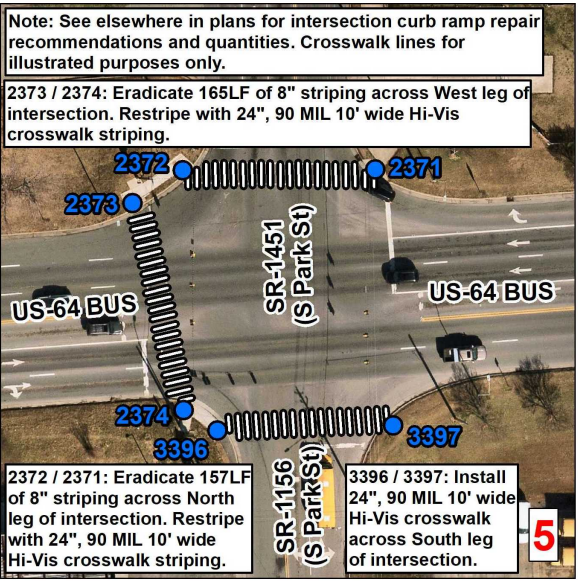
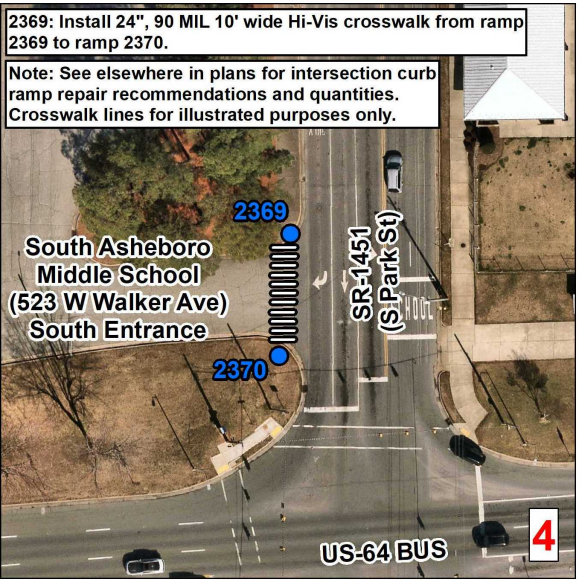
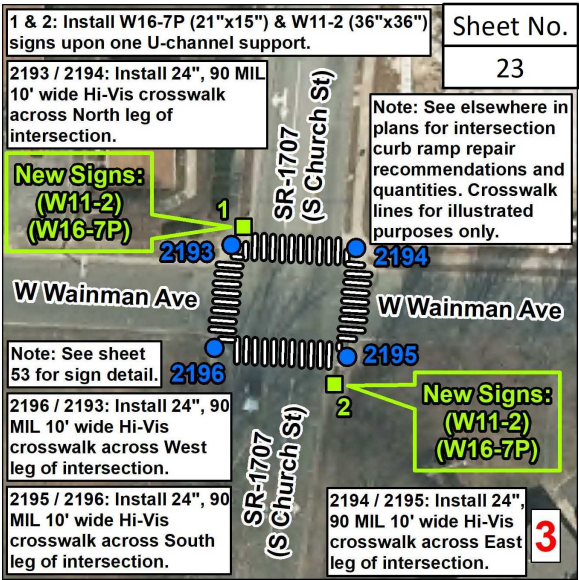
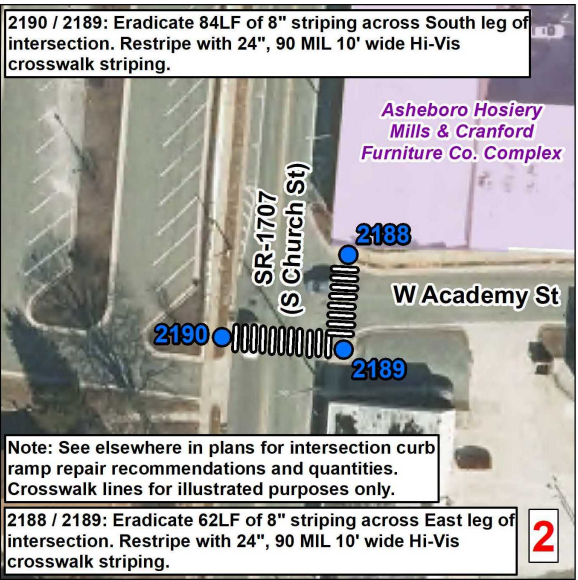
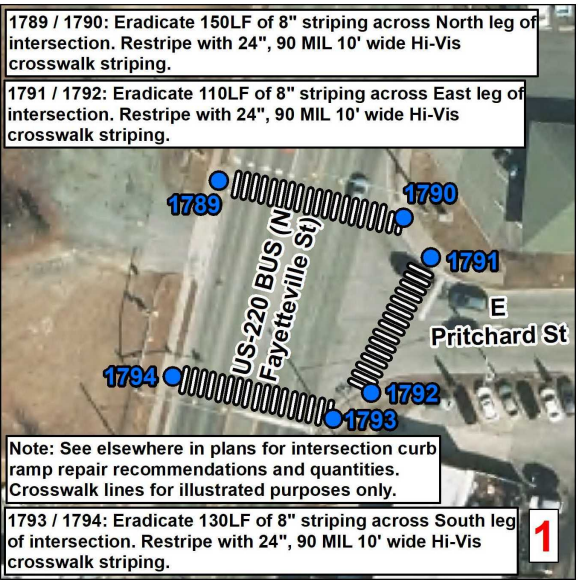
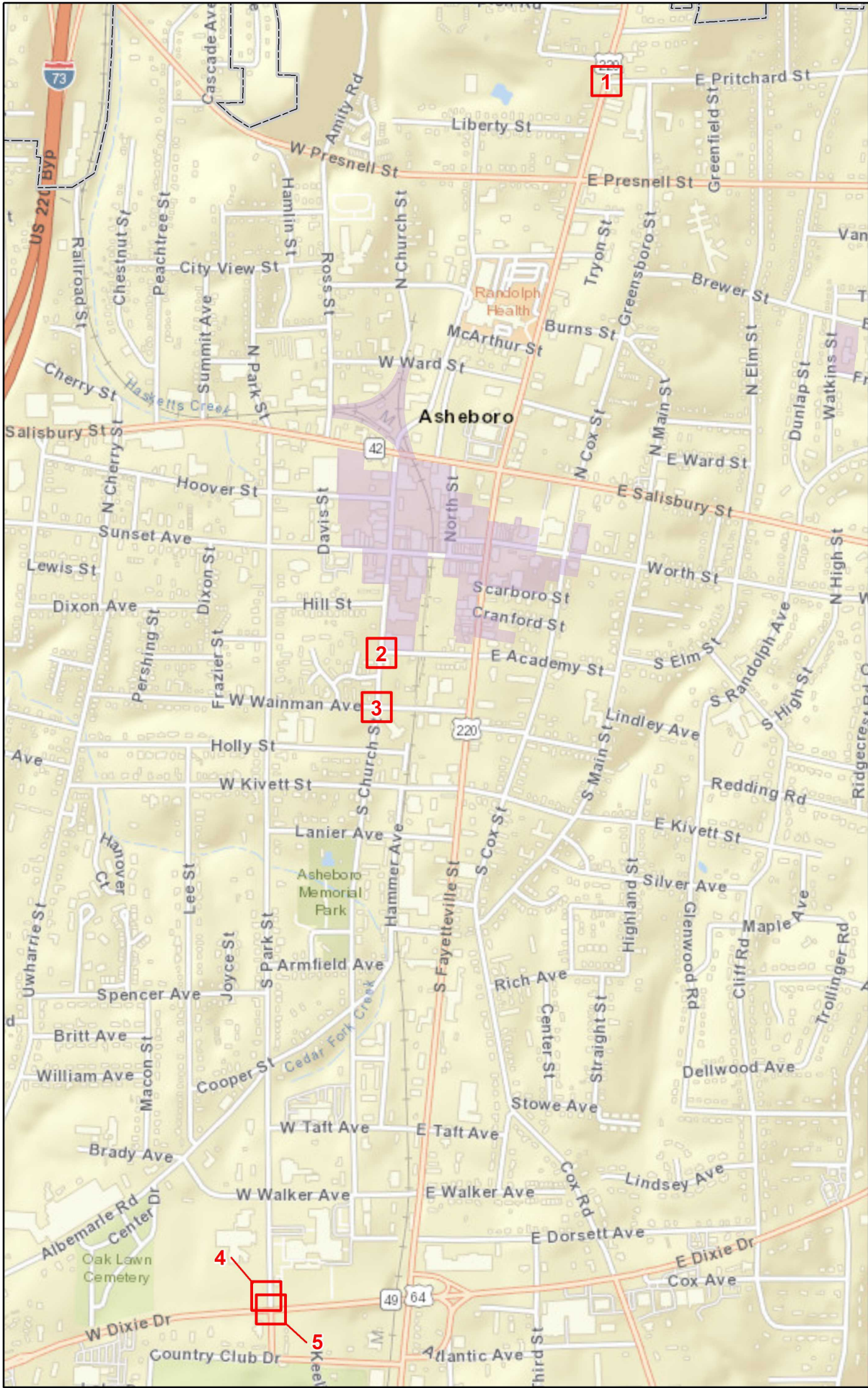
PEDESTRIAN CROSSWALKS AND SIGNAGE IMPROVEMENTS - SUMMARY OF QUANTITIES - ASHEBORO

Municipality:	Asheboro
Project Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
22

ID	Inset Map Number	Route 1	Route 2	4025000000-E (SF) Contractor Furnished, Type E Sign	4072000000-E (LF) Supports, 3-LB Steel U-Channel	4102000000-N (EA) Sign Erection, Type E	4709000000-E (LF) Thermoplastic Pavement Marking Lines (24", 90 Mils)	4860000000-E (LF) Removal Of Pavement Marking Lines (8")	MUTCD
1789 / 1790	1	US-220 BUS (N Fayetteville St)	E Pritchard St				180	150	-
1791 / 1792	1	US-220 BUS (N Fayetteville St)	E Pritchard St				140	110	-
1793 / 1794	1	US-220 BUS (N Fayetteville St)	E Pritchard St				170	130	-
2188 / 2189	2	SR-1707 (S Church St)	W Academy St				80	62	-
2190 / 2189	2	SR-1707 (S Church St)	W Academy St				110	84	-
2193 / 2194	3	SR-1707 (S Church St)	W Wainman Ave				120		-
2194 / 2195	3	SR-1707 (S Church St)	W Wainman Ave				100		-
2195 / 2196	3	SR-1707 (S Church St)	W Wainman Ave				120		-
2196 / 2193	3	SR-1707 (S Church St)	W Wainman Ave				90		-
1	3	SR-1707 (S Church St)	W Wainman Ave	11	16	1			W11-2 (36" x 36") W16-7P (21" x 15")
2	3	SR-1707 (S Church St)	W Wainman Ave	11	16	1			W11-2 (36" x 36") W16-7P (21" x 15")
2369 / 2370	4	SR-1451 (S Park St)	South Asheboro Middle School (523 W Walker Ave)South Entrance				110		-
2372 / 2371	5	US-64 BUS	SR-1451 (S Park St)				190	157	-
2373 / 2374	5	US-64 BUS	SR-1451 (S Park St)				200	165	-
3396 / 3397	5	US-64 BUS	SR-1156 (S Park St)				170		-
Sub-Total for Asheboro				22	32	2	1780	858	

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Signage for pedestrian crossings included in the plans are to consist of Grade B Fluorescent Yellow-Green sheeting per the MUTCD and shall be field located by the engineer.



Pedestrian Improvements

- Curb Ramp
- Pedestrian Signage
- ▬ Proposed Crosswalk
- ▬ Municipal Boundary
- Census Urban Areas (<5,000 Pop)
- NCHPO Historic Boundary (NR and LHD)

Pedestrian Crosswalk and Signage Improvements in Areas 5K-50K Population
Municipality: Asheboro
TIP Number: BO-2408J
WBS Number: 50937.3.14
County: Randolph

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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

ADA SUMMARY OF QUANTITIES - RANDLEMAN (5,000 - 50,000 POPULATION)

Municipality:	Randleman
TIP Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
24

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1545	1	SR-1952 (High Point St)	Advance Auto Part (981 High Point St)																		1			Type 1A - 848.06
1546	1	SR-1952 (High Point St)	Advance Auto Part (981 High Point St)																		1			Type 1A - 848.06
1550	2	SR-1952 (High Point St)	McDonalds (1000 High Point St) East Entrance																		1			Standard - 848.06
1553	3	SR-1952 (High Point St)	SR-1950 (W Academy St)																		1			Standard - 848.06
1556	3	SR-1952 (High Point St)	SR-1950 (W Academy St)																		1			Standard - 848.06
1557	4	SR-1952 (High Point St)	SR-1950 (W Academy St)																		1			Standard - 848.06
1561	4	SR-1952 (High Point St)	SR-1950 (W Academy St)																		1			Standard - 848.06
1563	5	SR-1952 (High Point St)	Hardees (704 W Academy St) High Point St Entrance																		1			Type 2B - 848.06
1564	5	SR-1952 (High Point St)	Hardees (704 W Academy St) High Point St Entrance																		1			Standard - 848.06
1565	6	SR-1952 (High Point St)	Randleman Car Wash (690 W Academy St) High Point St Entrance																		1			Type 1A - 848.06
1567	6	SR-1952 (High Point St)	SR-1989 (Tigers Den Rd)				20					9											1	Remove Ramp
1568	6	SR-1952 (High Point St)	SR-1989 (Tigers Den Rd)																		1			Standard - 848.06
1573	7	SR-1952 (High Point St)	Business Center (807 High Point St)																		1			Standard - 848.06
1577	8	SR-1952 (High Point St)	Holder St	3			18					14		5					8			1		Type 1A - 848.06
1578	8	SR-1952 (High Point St)	Holder St						15					3								1		Type 1A - 848.06
1579	9	SR-1952 (High Point St)	Carlisle Ave										6									1		Type 1 - 848.06
1580	9	SR-1952 (High Point St)	Carlisle Ave										6									1		Type 1 - 848.06
1598	10	SR-1952 (High Point St)	Randolph St				15					9											1	Remove Ramp
2492	10	SR-1952 (High Point St)	Randolph St				20					9											1	Remove Ramp
1586	11	US-220 BUS (N Main St)	W River Dr				15					6											1	Remove Ramp
1587	11	US-220 BUS (N Main St)	W River Dr																		1			Standard - 848.06
1588	11	US-220 BUS (N Main St)	W River Dr																		1			Standard - 848.06
1589	11	US-220 BUS (N Main St)	W River Dr				15																1	Remove Ramp
1591	11	US-220 BUS (N Main St)	E River Dr				15																1	Remove Ramp
1593	11	US-220 BUS (N Main St)	E River Dr				15																1	Remove Ramp
1594	12	US-220 BUS (N Main St)	SR-1952 (High Point St)																		1			Type 1A - 848.06
1595	12	US-220 BUS (N Main St)	SR-1952 (High Point St)																		1			Standard - 848.06
1596	12	US-220 BUS (N Main St)	SR-1952 (High Point St)																		1			Standard - 848.06
1597	12	US-220 BUS (N Main St)	SR-1952 (High Point St)																		1			Type 3 Modified - 848D0609
1599	13	US-220 BUS (N Main St)	River Walk Dr						25				3									1		Type 1A - 848.06
1600	13	US-220 BUS (N Main St)	River Walk Dr						20				6									1		Type 1A - 848.06
1601	13	US-220 BUS (N Main St)	Commonwealth St																		1			Type 1 Modified - 848.06
1602	13	US-220 BUS (N Main St)	Commonwealth St																		1			Type 1 Modified - 848.06
1603	14	US-220 BUS (N Main St)	Presnell St																		1			Type 1 Modified - 848.06
1584	15	SR-1950 (W Academy St)	State Employees Credit Union (318 W Academy St)																		1			Type 1A - 848.06
1605	16	US-220 BUS (N Main St)	E Academy St																		1			Type 1C - 848.06
1633	17	SR-2119 (E Naomi St)	Worthville St																		1			Type 1C - 848.06
1634	17	SR-2119 (E Naomi St)	Worthville St																		1			Type 1 - 848.06
1635	17	SR-2119 (E Naomi St)	Worthville St																		1			Type 1C - 848.06
1631	18	SR-2119 (E Naomi St)	Barker St																		1			Type 1B - 848.06
1632	18	SR-2119 (E Naomi St)	Barker St										3								1			Type 1A - 848.06
1629	19	SR-2119 (E Naomi St)	Freeman St																		1			Type 1 Modified - 848.06
1630	19	SR-2119 (E Naomi St)	Freeman St																		1			Type 1 Modified - 848.06
Sub-Total				3	0	0	133	0	0	80	0	47	3	29	0	0	0	0	8	0	30	6	7	

*Contingency line item amount provided for adjustments outside of curb ramp pay limits.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted.

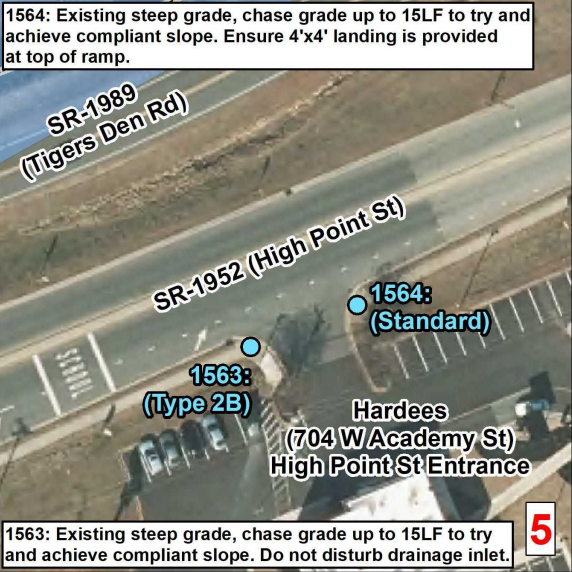
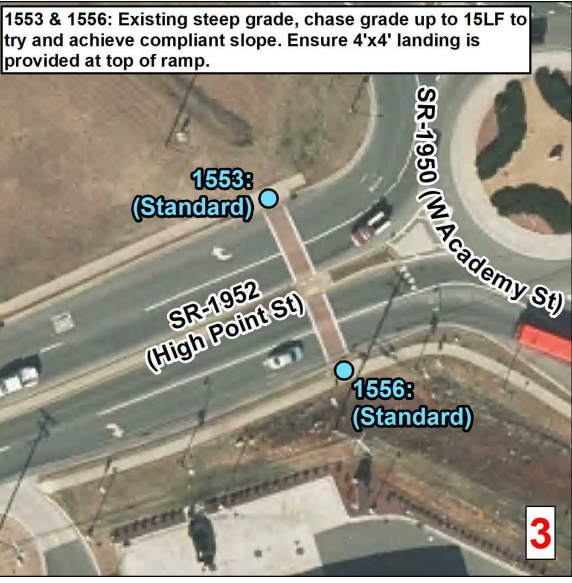
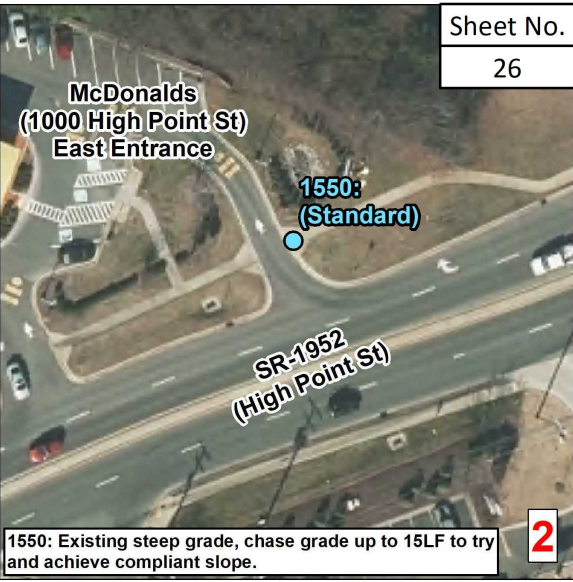
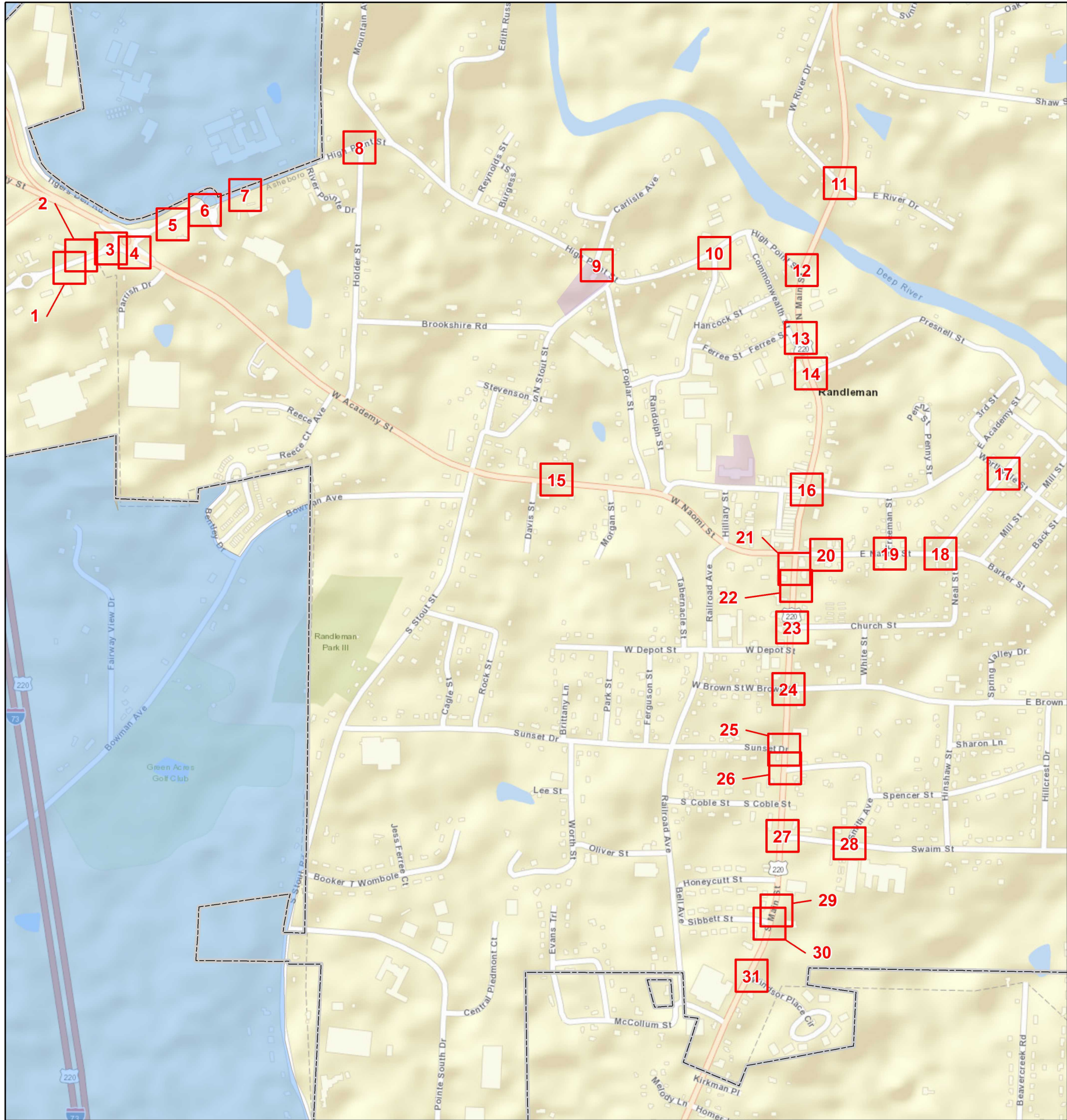
ADA SUMMARY OF QUANTITIES - RANDLEMAN (5,000 - 50,000 POPULATION)

Municipality:	Randleman
TIP Number:	BO-2408J
WBS Number:	50937.3.14
County:	Randolph

Sheet No.
25

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1627	20	SR-2119 (E Naomi St)	CVS (215 S Main St) Naomi St Entrance																		1			Type 1C - 848.06
1640	21	US-220 BUS (S Main St)	Randleman City Hall (204 S Main St)						17					6									1	Type 1 - 848.06
1641	22	US-220 BUS (S Main St)	CVS (215 S Main St) S Main St Entrance																		1			Type 1C - 848.06
1642	22	US-220 BUS (S Main St)	CVS (215 S Main St) S Main St Entrance																		1			Type 1C - 848.06
1644	23	US-220 BUS (S Main St)	Church St																		1			Type 1C - 848.06
1647	24	US-220 BUS (S Main St)	W Brown St																		1			Type 1C - 848.06
1648	24	US-220 BUS (S Main St)	W Brown St																		1			Type 1A - 848.06
1650	24	US-220 BUS (S Main St)	E Brown St																		1			Type 1 Modified - 848.06
1651	25	US-220 BUS (S Main St)	Sunset Dr					15		10				6									1	Type 1A - 848.06
1652	25	US-220 BUS (S Main St)	Sunset Dr	5			27		10				12	12		2							1	Type 2B - 848.06
1653	26	US-220 BUS (S Main St)	Spencer St																		1			Type 1C - 848.06
1654	26	US-220 BUS (S Main St)	Spencer St																		1			Type 1C - 848.06
1657	27	US-220 BUS (S Main St)	SR-2236 (Swaim St)																		1			Type 2B - 848.06
1658	27	US-220 BUS (S Main St)	SR-2236 (Swaim St)																		1			Type 2B - 848.06
1660	28	SR-2236 (Swaim St)	Randleman Elementary School (100 Swaim St) West Entrance																		1			Standard - 848.06
1661	28	SR-2236 (Swaim St)	Smith Ave																		1			Type 2B - 848.06
1662	28	SR-2236 (Swaim St)	Smith Ave																		1			Type 2B - 848.06
1667	29	US-220 BUS (S Main St)	Olympia Family Restaurant (615 S Main St)																		1			Type 2B - 848.06
1668	30	US-220 BUS (S Main St)	Sibbett St													1					1			Type 2B - 848.06
1669	30	US-220 BUS (S Main St)	Sibbett St																		1			Type 2B - 848.06
1670	31	US-220 BUS (S Main St)	Windsor Place Cir																		1			Type 1A - 848.06
1671	31	US-220 BUS (S Main St)	Windsor Place Cir																		1			Standard - 848.06
-	-	-	-	-	-	-	-	147*	-	-	-	-	114*	-	-	-	-	-	-	-	-	-	-	-
Sub-Total				5	0	0	27	162	0	37	0	0	126	24	0	3	0	0	0	0	19	3	0	
Sub-Total for Randleman				8	0	0	160	162	0	117	0	47	129	53	0	3	0	0	8	0	49	9	7	

*Contingency line item amount provided for adjustments outside of curb ramp pay limits.
**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.
Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer.
Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted.



Curb Ramps To Be Repaired

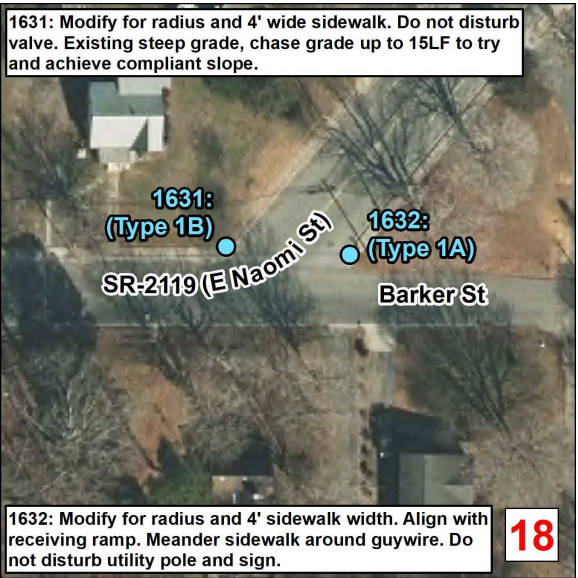
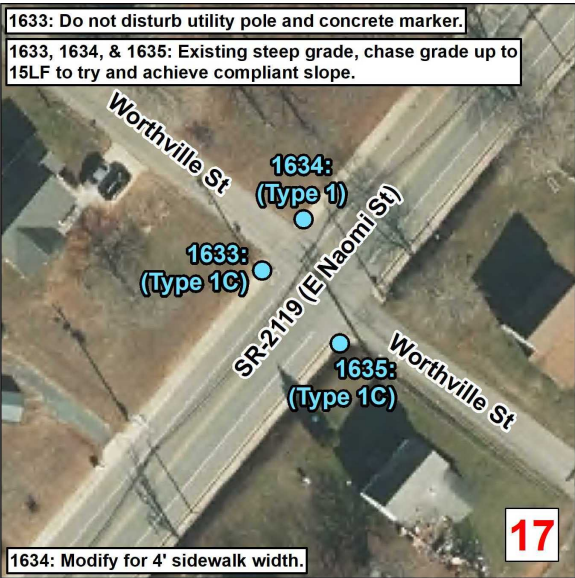
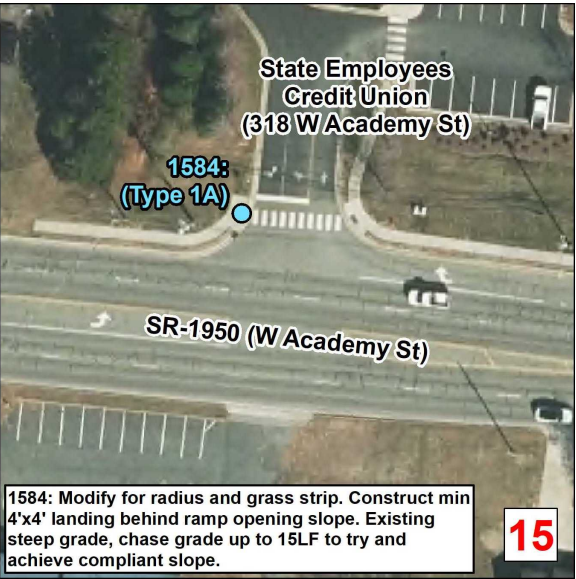
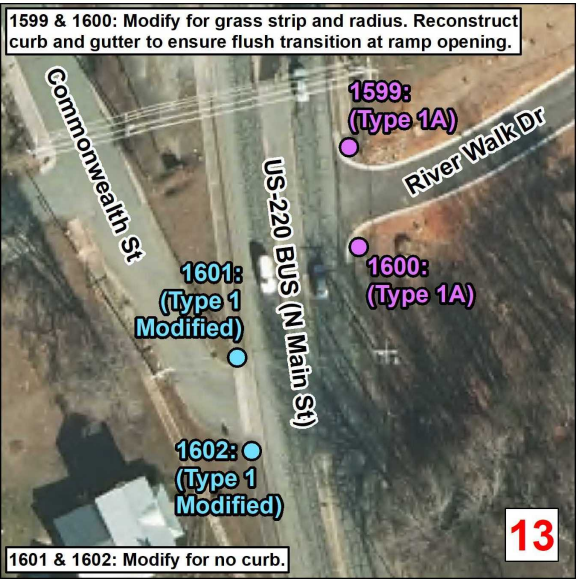
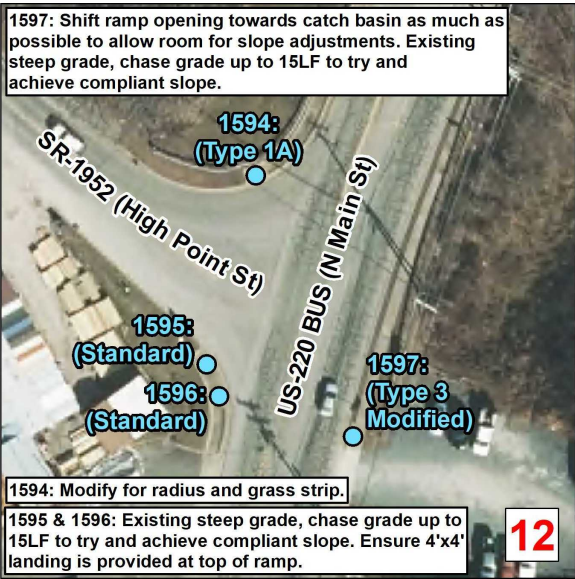
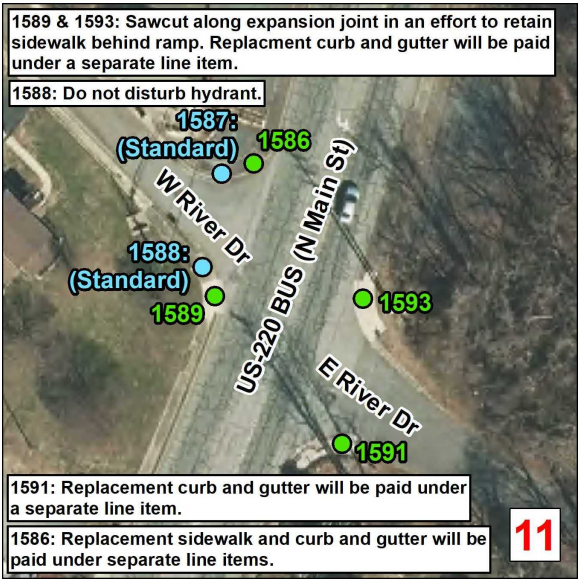
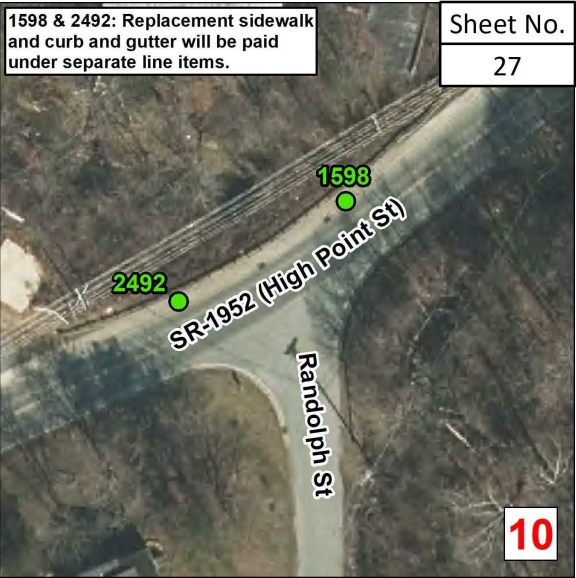
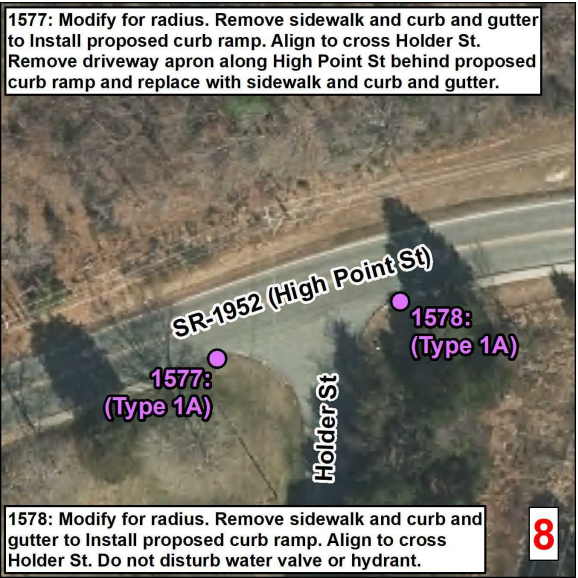
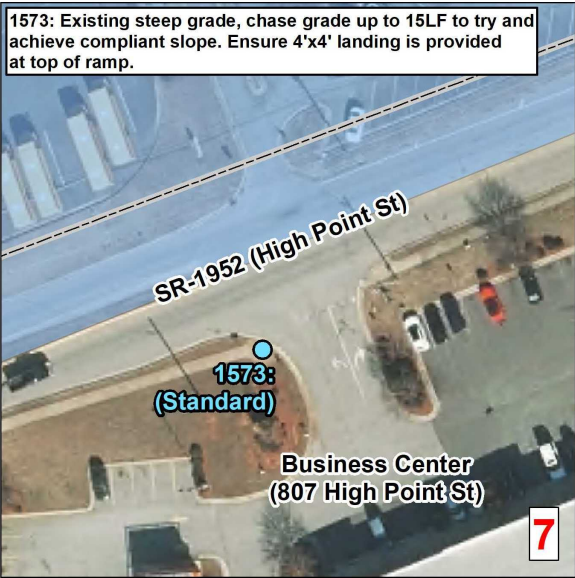
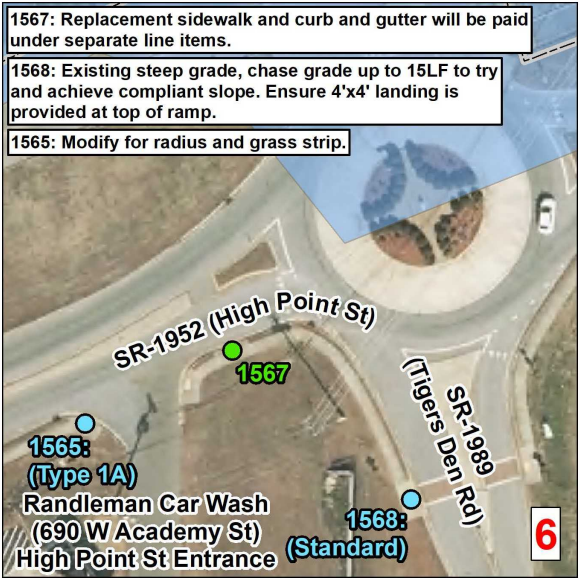
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

▭ Municipal Boundary
▭ Census Urban Areas (<5,000 Pop)
▭ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population
Municipality: Randleman
TIP Number: BO-2408J
WBS Number: 50937.3.14
County: Randolph

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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

▭ Census Urban Areas (<5,000 Pop)

▭ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population

Municipality: Randleman

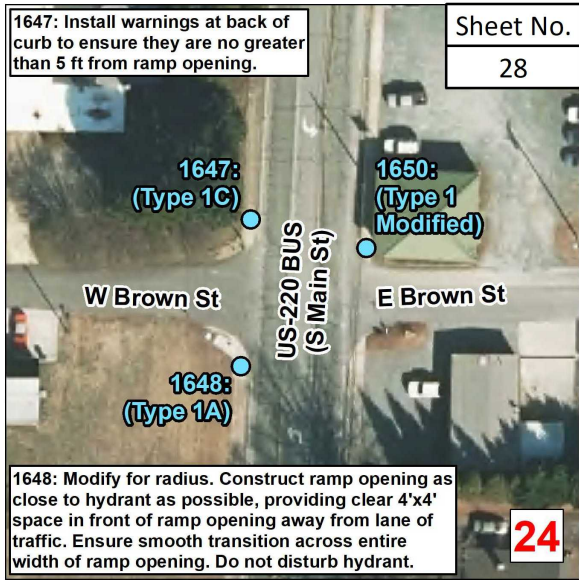
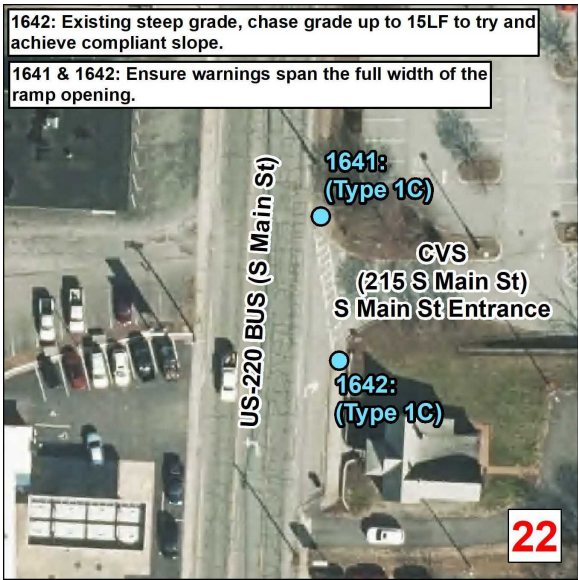
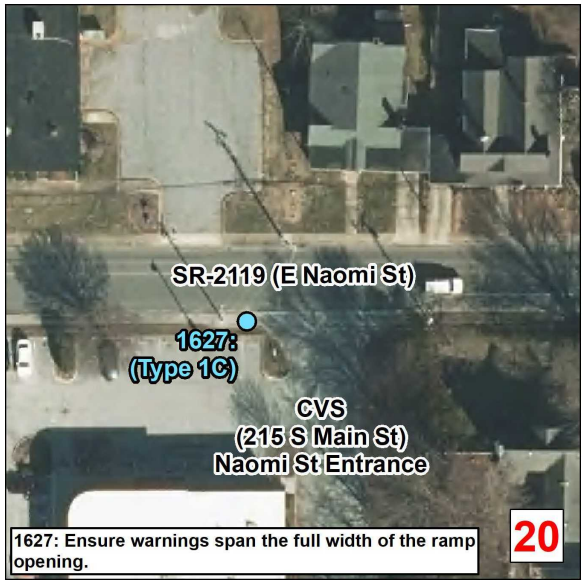
TIP Number: BO-2408J

WBS Number: 50937.3.14

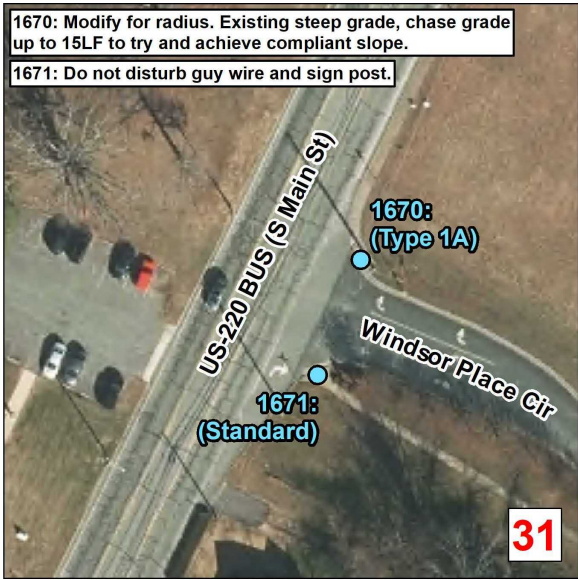
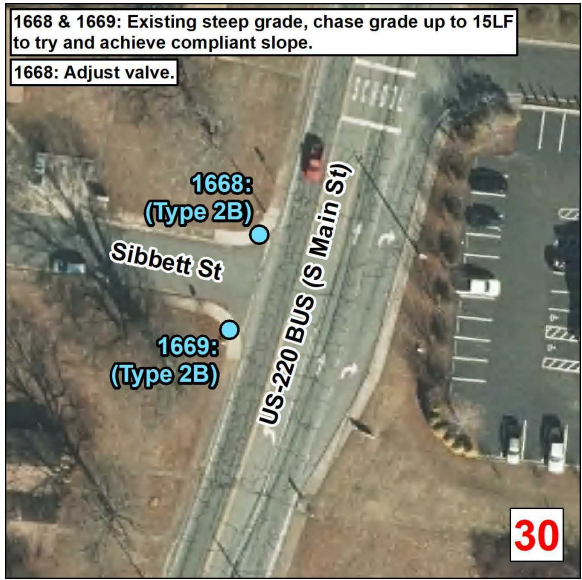
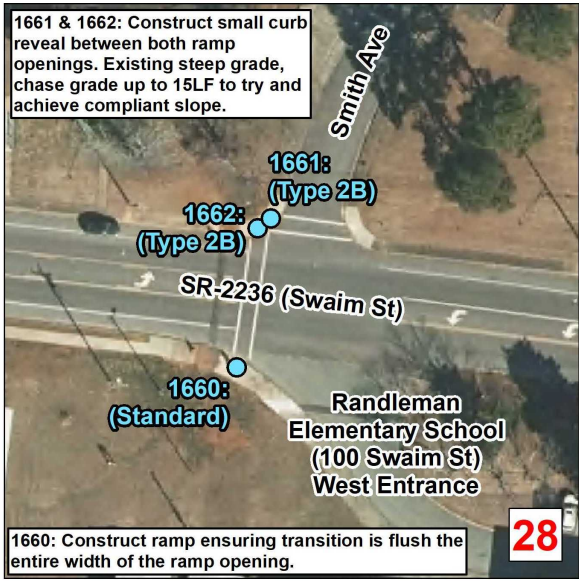
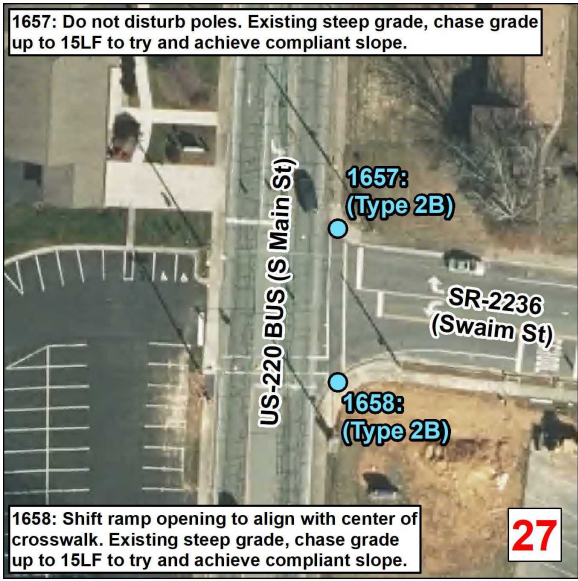
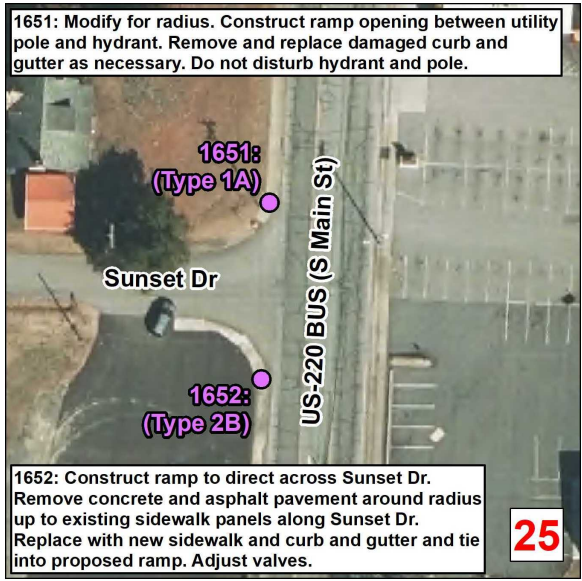
County: Randolph

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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



Sheet No.
28



Curb Ramps To Be Repaired

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

▭ Municipal Boundary

▭ Census Urban Areas (<5,000 Pop)

▭ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5K-50K Population

Municipality: Randleman

TIP Number: BO-2408J

WBS Number: 50937.3.14

County: Randolph

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 8

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

ADA SUMMARY OF QUANTITIES - ARCHDALE (50,000 - 200,000 POPULATION)

Municipality:	Archdale
TIP Number:	BO-2408K
WBS Number:	50937.3.15
County:	Randolph

Sheet No.
29

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
2419	1	SR-1009 (N Main St)	SR-1901 (Baker Rd)				12																1	Remove Ramp
2420	1	SR-1009 (N Main St)	SR-1901 (Baker Rd)				12																1	Remove Ramp
2422	1	SR-1009 (N Main St)	Petty St				12																1	Remove Ramp
2427	2	SR-1009 (N Main St)	Freeman Pl	2								2									1			Retrofit Warnings - 848.06
2428	3	SR-1009 (N Main St)	Kersey Dr				12																1	Remove Ramp
2439	4	NC-62 (Trindale Rd)	Bonnie Pl																		1			Type 2B - 848.06
2433	5	SR-1009 (N Main St)	NC-62 (Liberty Rd)				12																1	Remove Ramp
2434	5	SR-1009 (N Main St)	NC-62 (Liberty Rd)				12																1	Remove Ramp
2436	5	SR-1009 (N Main St)	NC-62 (Trindale Rd)				12																1	Remove Ramp
2437	5	SR-1009 (N Main St)	NC-62 (Trindale Rd)				12																1	Remove Ramp
2493	5	SR-1009 (N Main St)	NC-62 (Liberty Rd)				12																1	Remove Ramp
2452	6	SR-1009 (N Main St)	W White Dr				15																1	Remove Ramp
2453	6	SR-1009 (N Main St)	W White Dr				15																1	Remove Ramp
2454	6	SR-1009 (N Main St)	E White Dr				15																1	Remove Ramp
2455	6	SR-1009 (N Main St)	E White Dr				15																1	Remove Ramp
2456	6	SR-1009 (N Main St)	E White Dr				15																1	Remove Ramp
2457	6	SR-1009 (N Main St)	E White Dr				15																1	Remove Ramp
2081	7	SR-1009 (N Main St)	Englewood Dr				15																1	Remove Ramp
2082	7	SR-1009 (N Main St)	Englewood Dr				15																1	Remove Ramp
2083	7	SR-1009 (N Main St)	Englewood Dr				15																1	Remove Ramp
2084	8	SR-1009 (N Main St)	Northeast Dr																				1	Remove Ramp
2085	8	SR-1009 (N Main St)	Northeast Dr																				1	Remove Ramp
2086	9	SR-1009 (N Main St)	Plummer Dr				12																1	Remove Ramp
2087	9	SR-1009 (N Main St)	Plummer Dr				15																1	Remove Ramp
2088	9	SR-1009 (N Main St)	Plummer Dr				15																1	Remove Ramp
2100	9	SR-1009 (N Main St)	Plummer Dr				12																1	Remove Ramp
2464	10	SR-1009 (N Main St)	Julian Ave				15																1	Remove Ramp
2465	10	SR-1009 (N Main St)	Julian Ave				15																1	Remove Ramp
2466	10	SR-1009 (N Main St)	Julian Ave				15																1	Remove Ramp
2467	10	SR-1009 (N Main St)	Julian Ave				15																1	Remove Ramp
2089	11	SR-1009 (N Main St)	Frazier St				12																1	Remove Ramp
2090	11	SR-1009 (N Main St)	Frazier St				12																1	Remove Ramp
2461	12	SR-1009 (N Main St)	Laura Ave																				1	Standard - 848.06
1946	13	SR-1681 (Balfour Dr)	McDonalds (10057 N Main St) North Entrance									3								1				Retrofit Warnings - 848.06
1948	13	SR-1681 (Balfour Dr)	McDonalds (10057 N Main St) North Entrance									3								1				Retrofit Warnings - 848.06
2486	14	SR-1681 (Balfour Dr)	McDonalds (10057 N Main St) South Entrance									3								1				Retrofit Warnings - 848.06
2487	14	SR-1681 (Balfour Dr)	McDonalds (10057 N Main St) South Entrance									6								1				Retrofit Warnings - 848.06
1999	15	SR-1912 (Aldridge Rd)	Starbucks (10101 S Main St)																		1			Standard - 848.06
1992	16	SR-3182 (Comanche Rd)	Sheetz (10206 S Main St) Comanche Rd Entrance																		1			Type 1A - 848.06
2092**	17	SR-1009 (S Main St)	Zaxbys (10401 S Main St)																		1			Type 2B - 848.06
2093	17	SR-1009 (S Main St)	Zaxbys (10401 S Main St)																		1			Type 1C - 848.06
2035	18	SR-1009 (S Main St)	Sheetz (10206 S Main St) Main St Entrance																		1			Type 2 - 848.06
2037	19	SR-1009 (S Main St)	Apache Rd									6									1			Standard - 848.06
2038	19	SR-1009 (S Main St)	Apache Rd																		1			Standard - 848.06
Sub-Total				2	0	0	381	0	0	0	0	2	21	0	0	0	0	0	0	5	9	0	30	

*Contingency line item amount provided for adjustments outside of curb ramp pay limits.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted.

ADA SUMMARY OF QUANTITIES - ARCHDALE (50,000 - 200,000 POPULATION)

Municipality:	Archdale
TIP Number:	BO-2408K
WBS Number:	50937.3.15
County:	Randolph

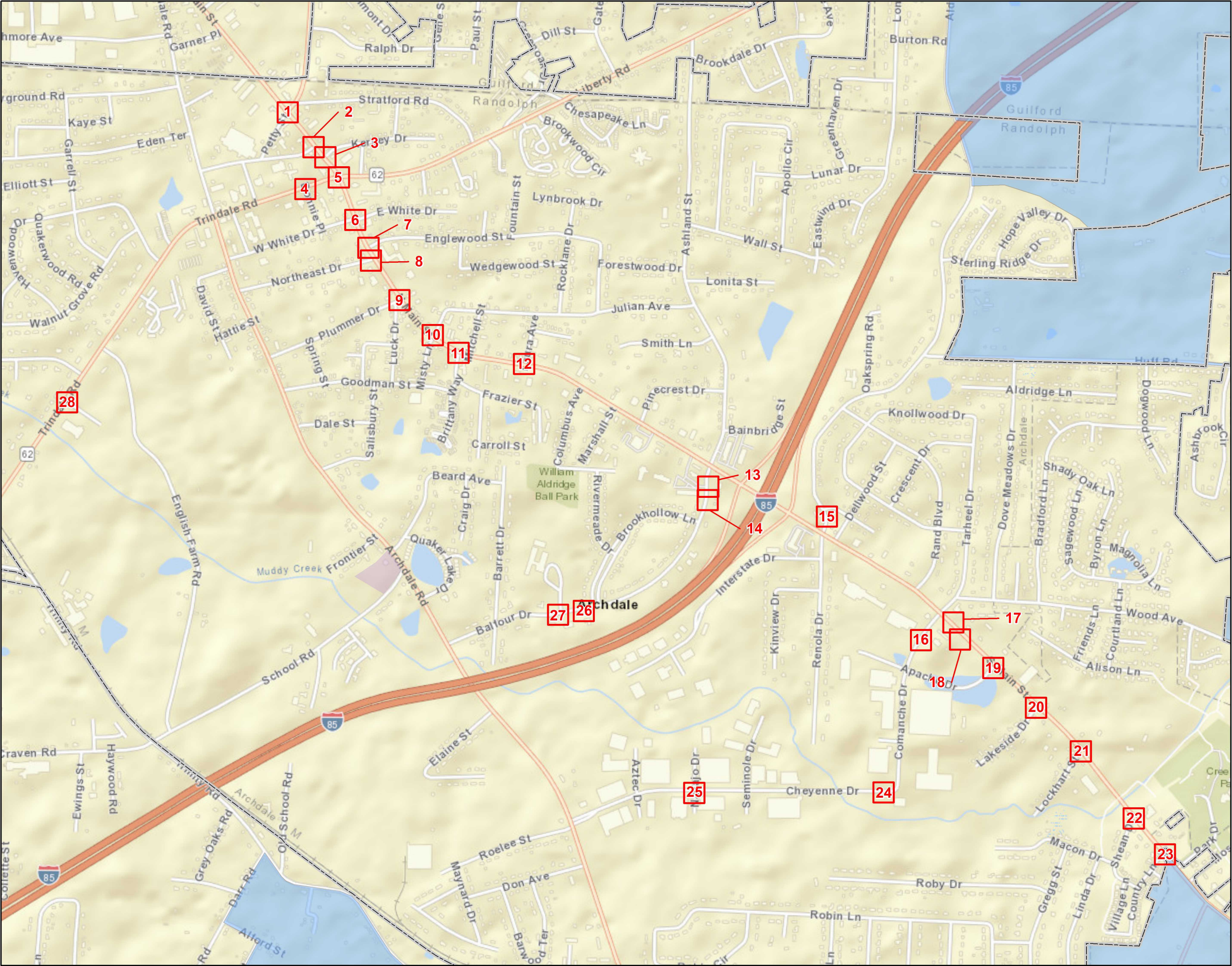
Sheet No.
30

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
2039	19	SR-1009 (S Main St)	Apache Rd				18					9											1	Remove Ramp
2040	20	SR-1009 (S Main St)	Lakeside Dr				15					9											1	Remove Ramp
2041	20	SR-1009 (S Main St)	Lakeside Dr																	1				Standard - 848.06
2042	20	SR-1009 (S Main St)	Lakeside Dr				15							3									1	Remove Ramp
2043	20	SR-1009 (S Main St)	Lakeside Dr																		1			Type 1A - 848.06
2044	21	SR-1009 (S Main St)	Lockhart St				15					9											1	Remove Ramp
2045	21	SR-1009 (S Main St)	Lockhart St																			1		Type 1A - 848.06
2046	21	SR-1009 (S Main St)	Lockhart St																			1		Type 1A - 848.06
2047	21	SR-1009 (S Main St)	Lockhart St				15					9											1	Remove Ramp
2094	21	SR-1009 (S Main St)	Lockhart St				20																1	Remove Ramp
2095	21	SR-1009 (S Main St)	Lockhart St				15																1	Remove Ramp
2048	22	SR-1009 (S Main St)	Shean Dr				15																1	Remove Ramp
2049	22	SR-1009 (S Main St)	Shean Dr				15																1	Remove Ramp
2096	22	SR-1009 (S Main St)	Archdale Public Library (10433 S Main St)				15																1	Remove Ramp
2097	22	SR-1009 (S Main St)	Shean Dr				15																1	Remove Ramp
2098	22	SR-1009 (S Main St)	Shean Dr				15																1	Remove Ramp
2051	23	SR-1009 (S Main St)	Country Ln				20																1	Remove Ramp
2052	23	SR-1009 (S Main St)	Country Ln				20																1	Remove Ramp
2053	23	SR-1009 (US Hwy 311)	Country Ln				10																1	Remove Ramp
2054	23	SR-1009 (S Main St)	Park Dr																			1		Standard - 848.06
2055	23	SR-1009 (US Hwy 311)	Park Dr																			1		Standard - 848.06
2099	23	SR-1009 (US Hwy 311)	Country Ln				20																1	Remove Ramp
2480	24	SR-3213 (Cheyenne Dr)	Hafele (1 Cheyenne Dr) West parking lot Entrance										3											Other
2481	24	SR-3213 (Cheyenne Dr)	Hafele Crosswalk (1 Cheyenne Dr)					6														1		Standard - 848.06
2482	24	SR-3213 (Cheyenne Dr)	Hafele Crosswalk (1 Cheyenne Dr)																			1		Standard - 848.06
2485	25	SR-3213 (Cheyenne Dr)	Navajo Dr																			1		Type 1 Modified - 848.06
2479	26	SR-1681 (Balfour Dr)	Archdale Police Department (305 Balfour Dr)																			1		Standard - 848.06
2476	27	SR-1681 (Balfour Dr)	Archdale City Hall (307 Balfour Dr)				15																1	Remove Ramp
2477	27	SR-1681 (Balfour Dr)	Archdale City Hall (307 Balfour Dr)																			1		Type 4B - 848D0610
2472	28	NC-62 (Trindale Rd)	English Farm Rd				10																	Other
-	-	-	-	-	-	-	-	60*	-	-	-	-	27*	-	-	-	-	-	-	-	-	-	-	
Sub-Total				0	0	0	283	66	0	0	0	36	30	3	0	0	0	0	0	0	11	0	17	
Sub-Total for Archdale				2	0	0	664	66	0	0	0	38	51	3	0	0	0	0	0	5	20	0	47	

*Contingency line item amount provided for adjustments outside of curb ramp pay limits.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted.



Curb Ramps To Be Repaired

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

Municipal Boundary

Census Urban Areas (<5,000 Pop)

NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 50K - 200K Population

Municipality: Archdale

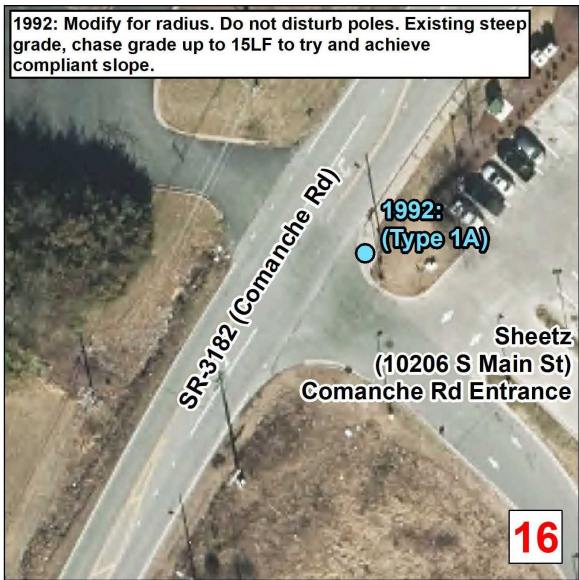
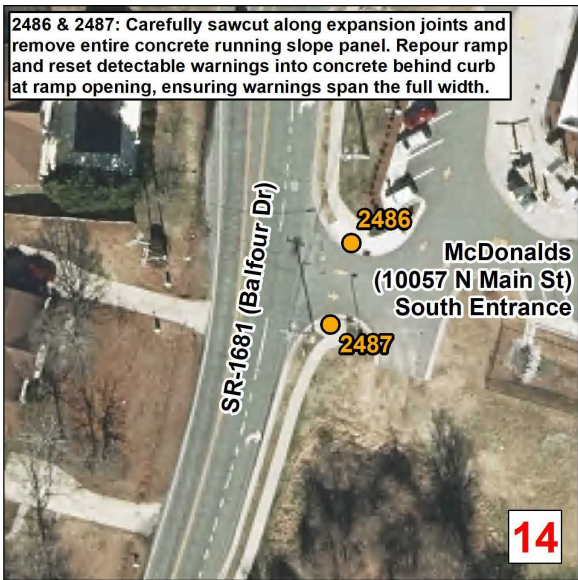
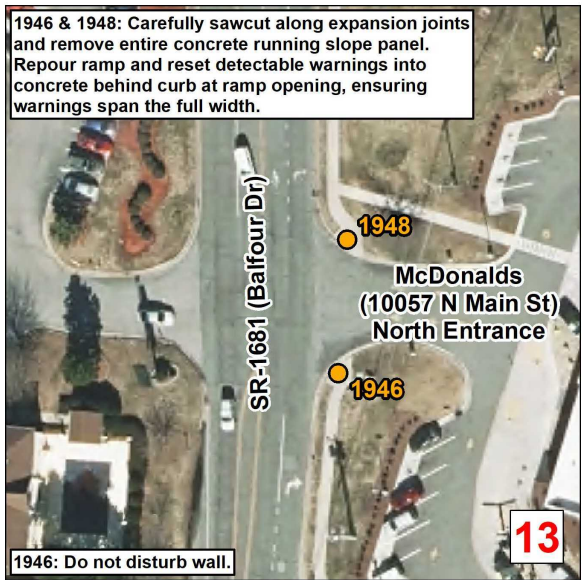
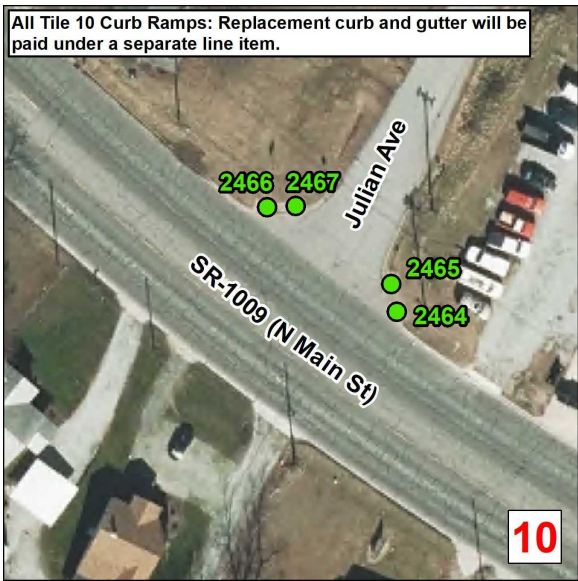
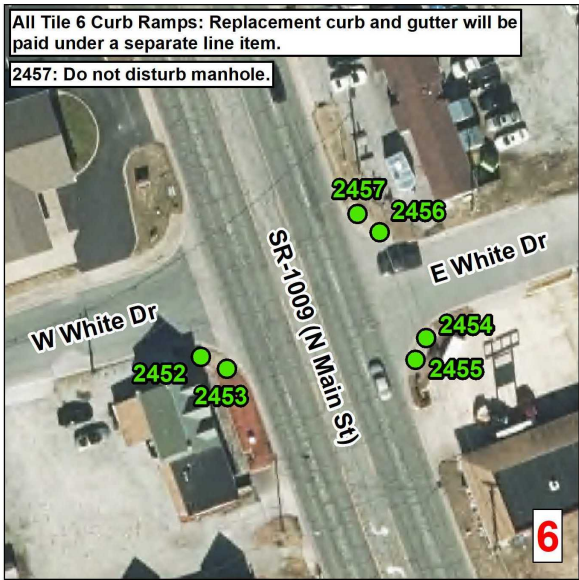
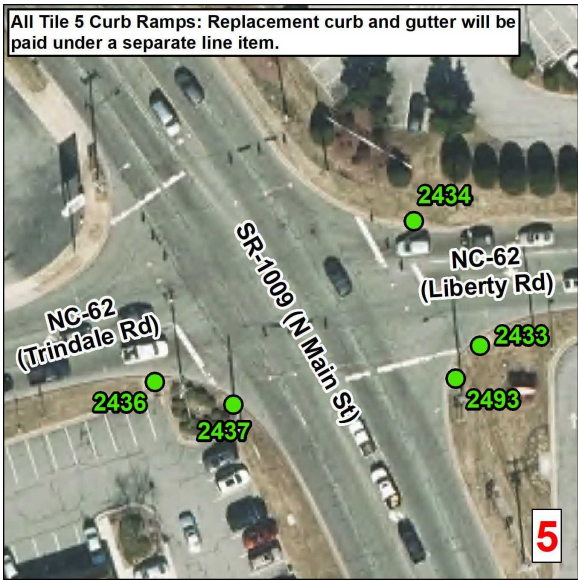
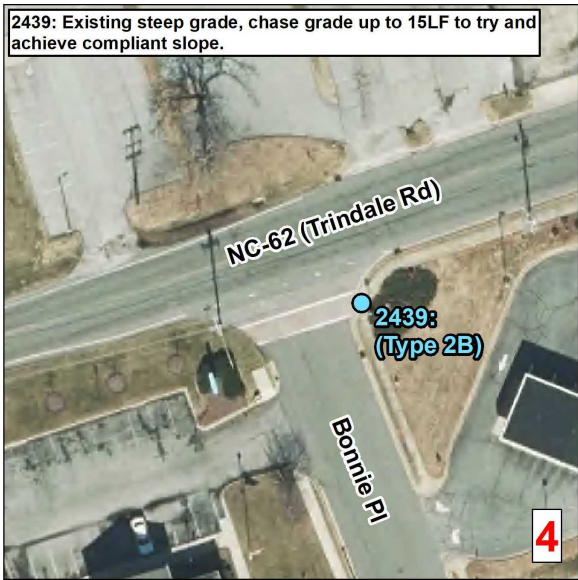
TIP Number: BO-2408K

WBS Number: 50937.3.15

County: Randolph

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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



Curb Ramps To Be Repaired

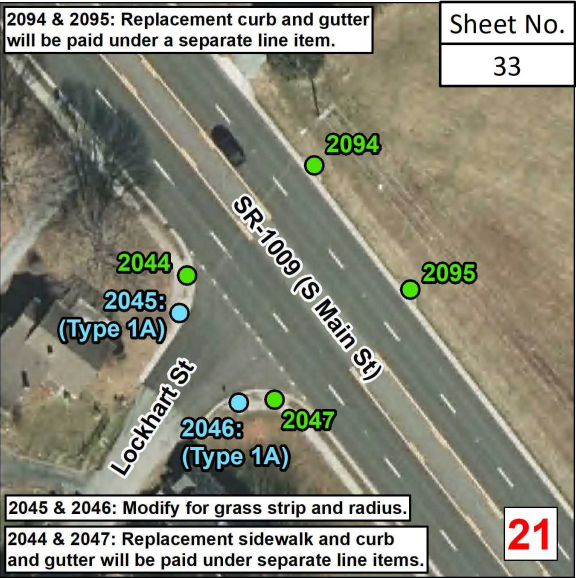
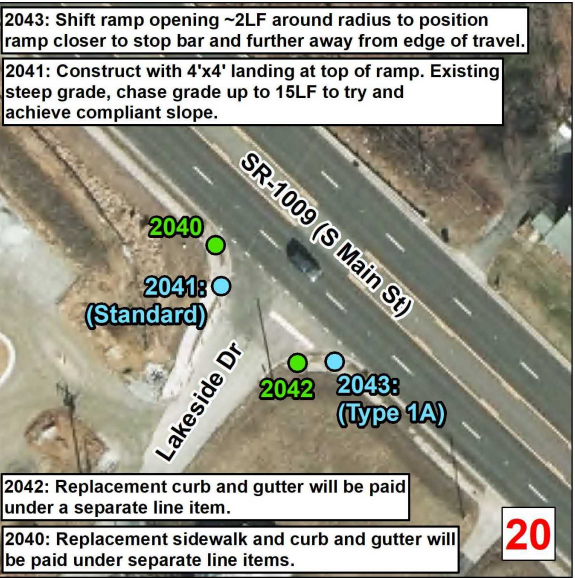
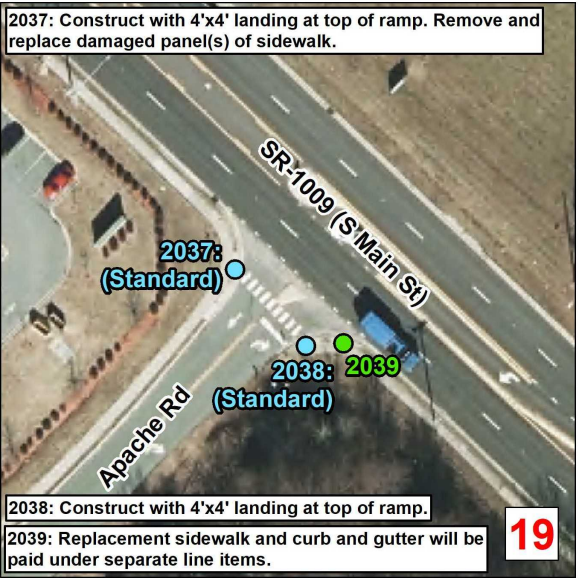
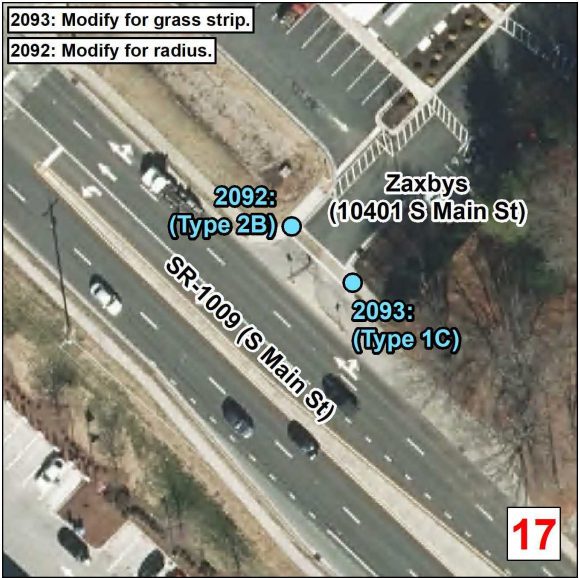
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

▭ Municipal Boundary
▭ Census Urban Areas (<5,000 Pop)
▭ NCHPO Historic Boundary (NR and LHD)

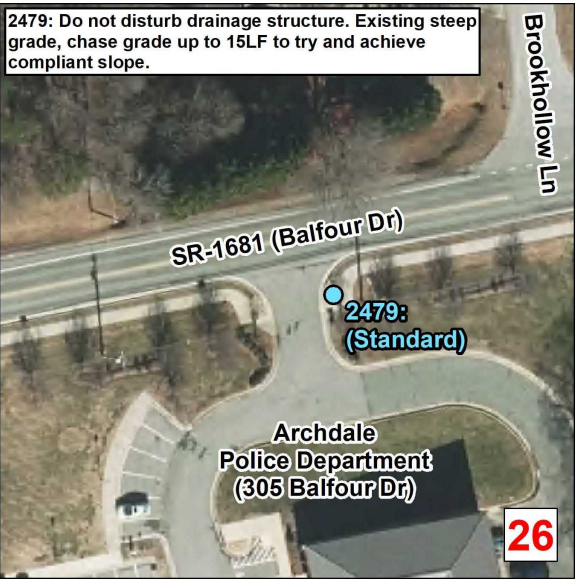
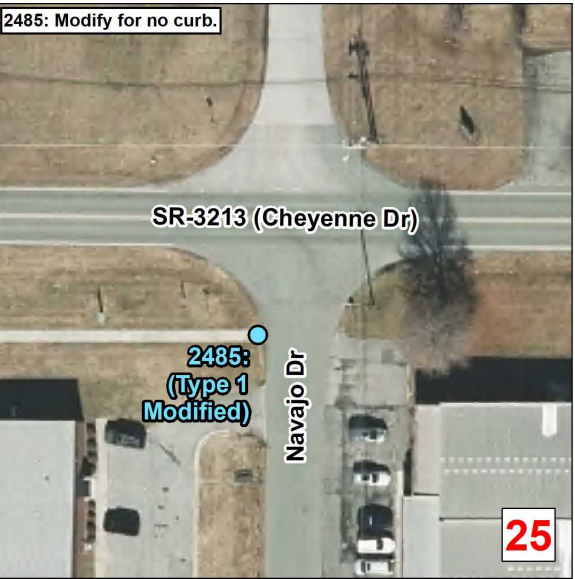
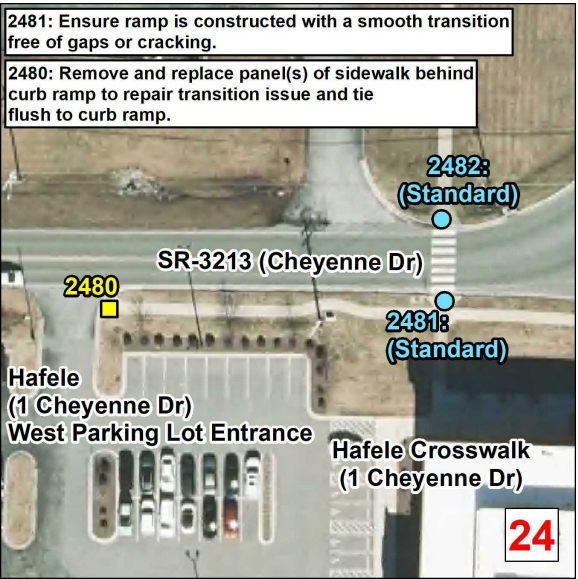
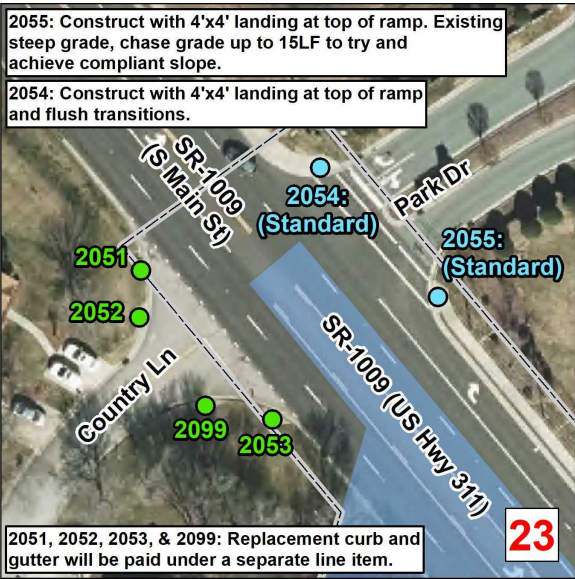
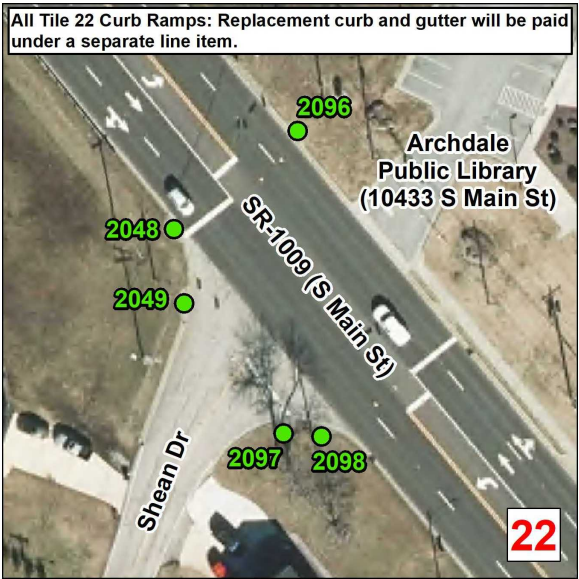
Curb Ramps in Areas 50K - 200K Population
Municipality: Archdale
TIP Number: BO-2408K
WBS Number: 50937.3.15
County: Randolph

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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



Sheet No.
33



Curb Ramps To Be Repaired

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

Municipal Boundary
Census Urban Areas (<5,000 Pop)
NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 50K - 200K Population
Municipality: Archdale
TIP Number: BO-2408K
WBS Number: 50937.3.15
County: Randolph

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 8

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

ADA SUMMARY OF QUANTITIES - TRINITY (50,000 - 200,000 POPULATION)

Municipality:	Trinity
TIP Number:	BO-2408K
WBS Number:	50937.3.15
County:	Randolph

Sheet No.
34

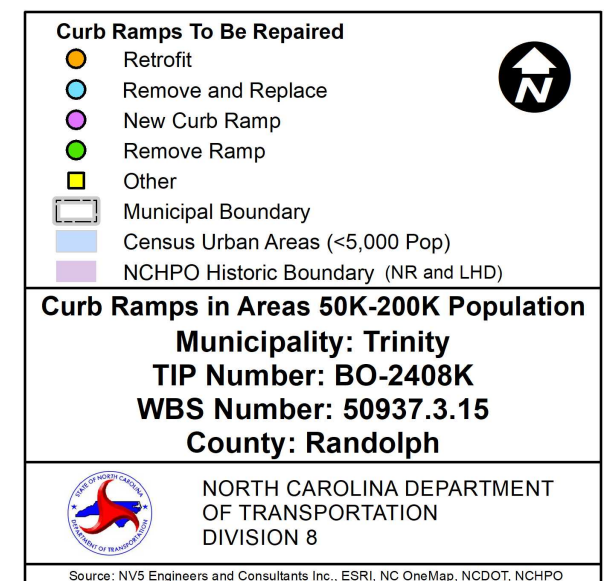
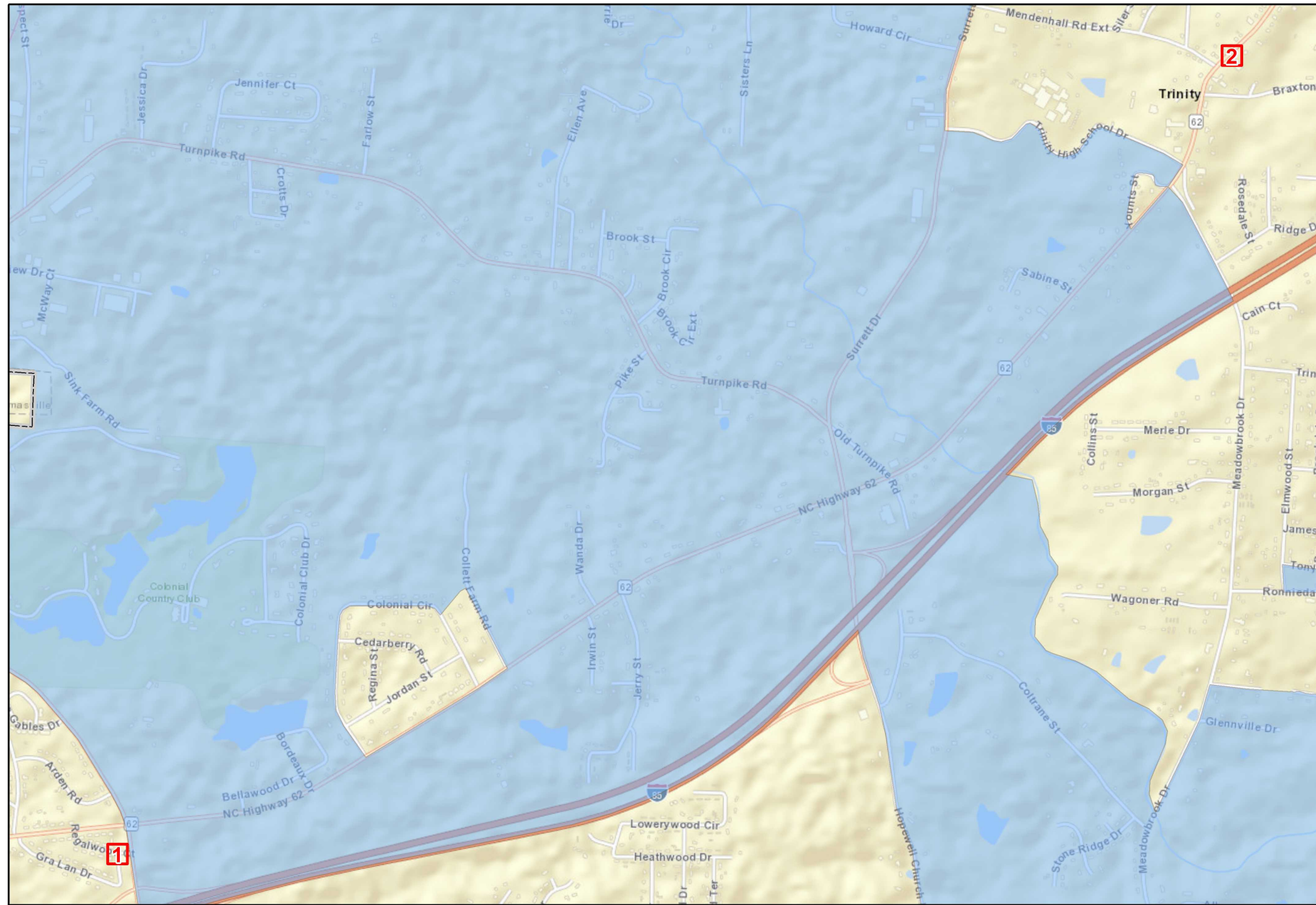
Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
2068	1	SR-1887 (Regalwood Ct)	Sheetz (5905 Finch Farm Rd) Regalwood Ct Entrance																		1			Type 1A - 848.06
2473	2	NC-62	Dollar General (7218 NC-62)																		1			Type 1 Modified - 848.06
-	-	-	-	-	-	-	-	6*	-	-	-	-	3*	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Trinity				0	0	0	0	6	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	

*Contingency line item amount provided for adjustments outside of curb ramp pay limits.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer.

Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted.



ADA SUMMARY OF QUANTITIES - UNINCORPORATED AREAS - RANDOLPH COUNTY (50,000 - 200,000 POPULATION)

Municipality:	Unincorporated Areas
TIP Number:	BO-2408K
WBS Number:	50937.3.15
County:	Randolph

Sheet No.
36

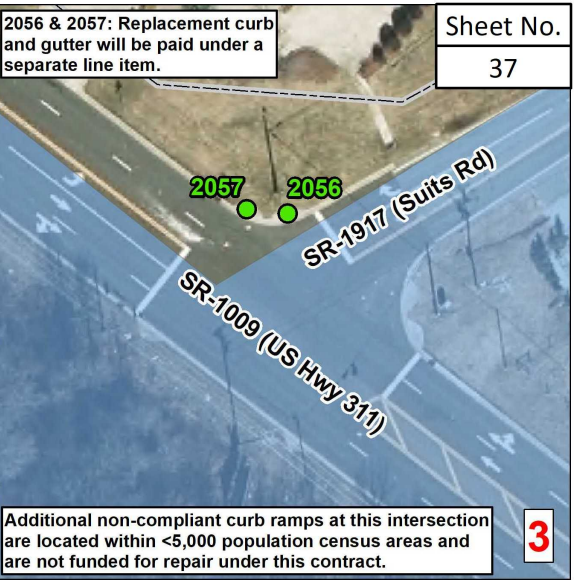
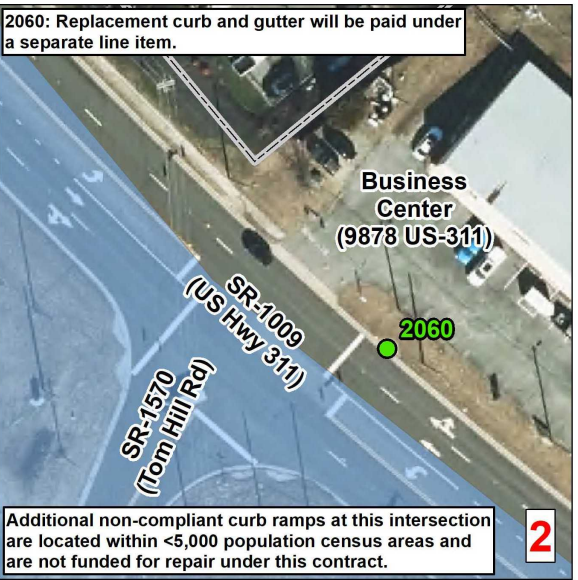
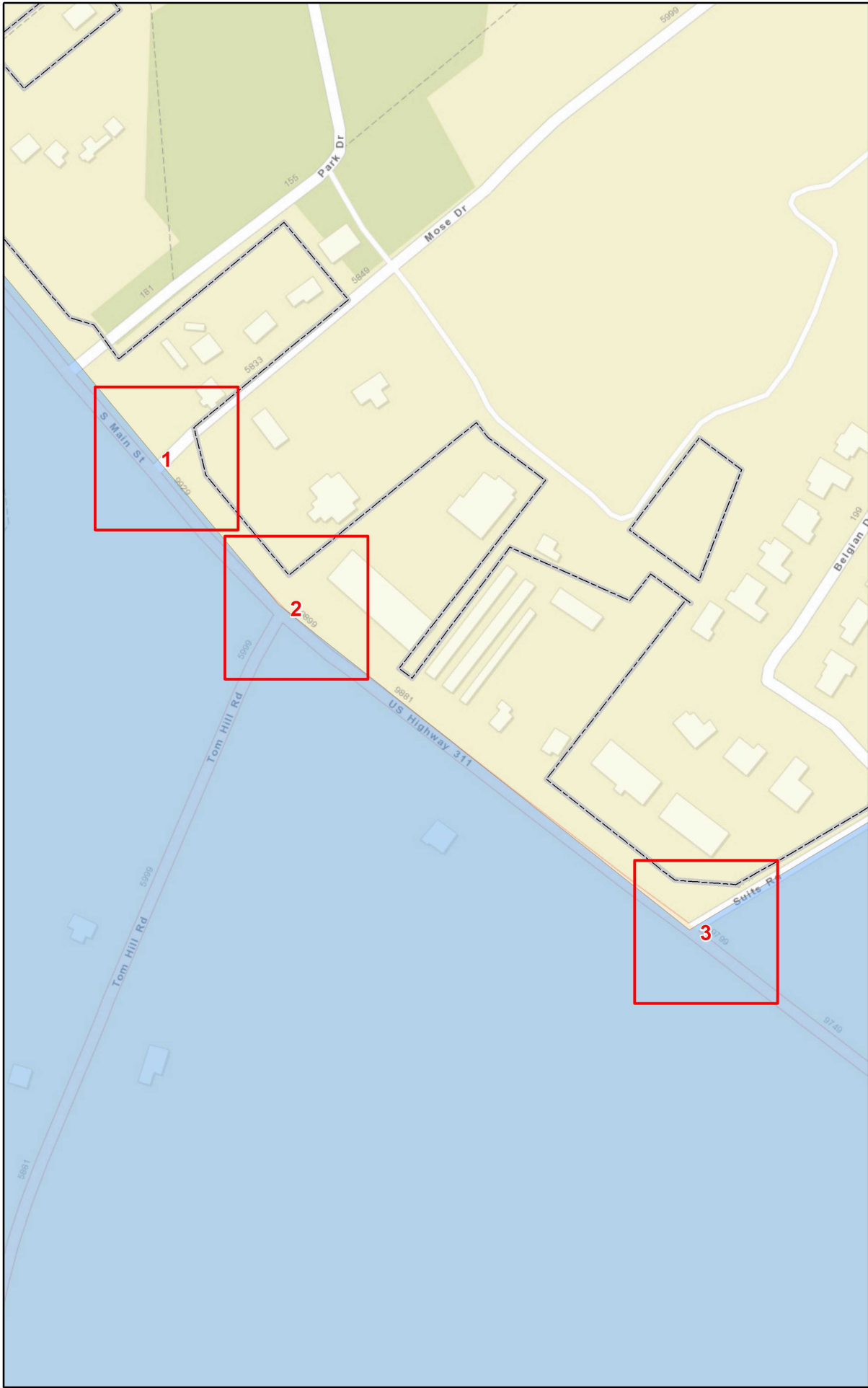
Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2542000000-E (LF) 1'-6" Concrete Curb & Gutter	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 1'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Concrete Valley Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, Relocate Type E (Ground Mounted)	2738000000-E (SY) Remove 5" Monolithic Concrete Islands (Keyed In)	2738000000-E (SY) Remove Driveway Apron	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
2059	1	SR-1009 (US Hwy 311)	Mose Dr																		1			Type 1C - 848.06
2060	2	SR-1009 (US Hwy 311)	Business Center (9878 US-311)				15																1	Remove Ramp
2056	3	SR-1009 (US Hwy 311)	SR-1917 (Suits Rd)				18																1	Remove Ramp
2057	3	SR-1009 (US Hwy 311)	SR-1917 (Suits Rd)				18																1	Remove Ramp
-	-	-	-	-	-	-	-	-	-	-	-	-	6*	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Unincorporated Areas - Randolph County				0	0	0	51	0	0	0	0	0	6	0	0	0	0	0	0	0	1	0	3	

*Contingency line item amount provided for adjustments outside of curb ramp pay limits.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer.

Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted.



Curb Ramps To Be Repaired

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

Municipal Boundary

Census Urban Areas (<5,000 Pop)

NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 50K-200K Population

Municipality: Unincorporated Areas

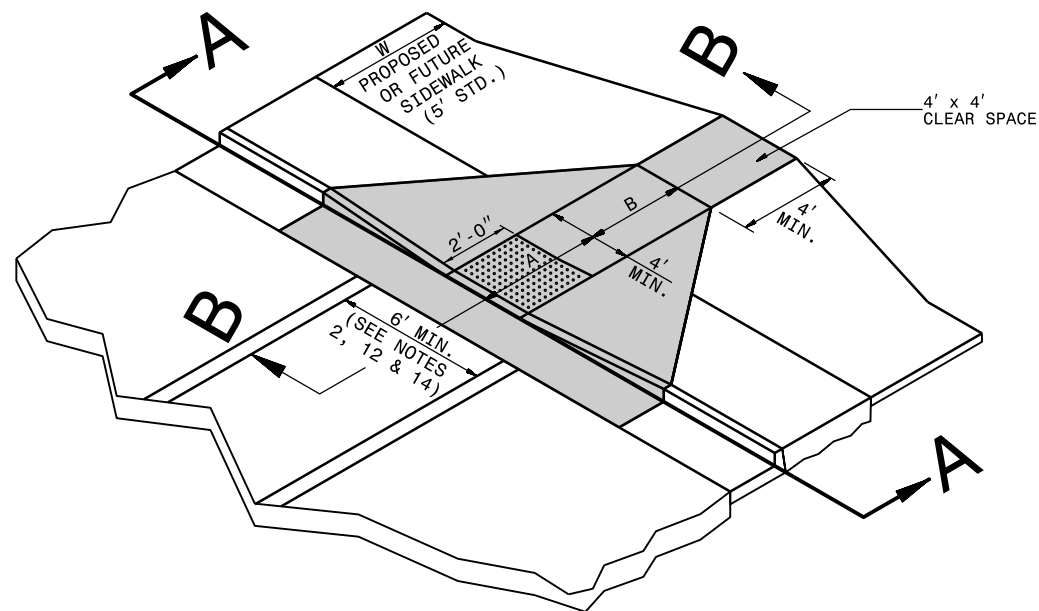
TIP Number: BO-2408K

WBS Number: 50937.3.15

County: Randolph

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 8

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

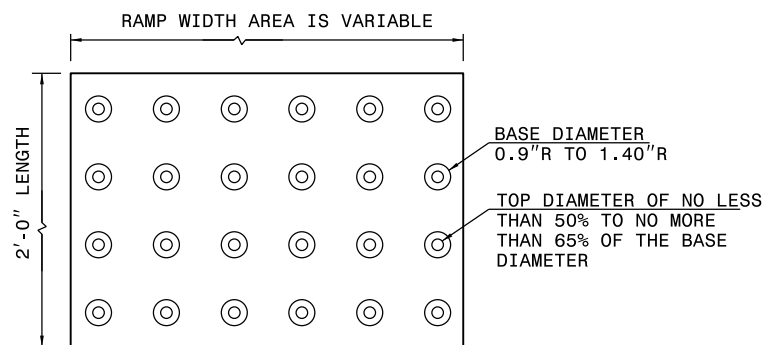


PAY LIMITS FOR CURB RAMP

NOTES:

DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



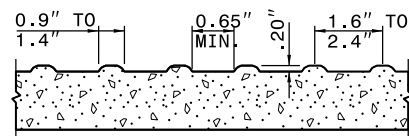
W	A	W+A+9"	X	B
5'	0.0'	5.8'	5.8'	5.0'*
6'	0.0'	6.8'	6.8'	6.0'**
7'	0.0'	7.8'	7.3'	6.5'**
8'	0.0'	8.8'	7.3'	6.5'**
5'	2.0'	7.8'	7.8'	5.0'
5'	2.5'	8.3'	8.1'	4.8'
5'	3.0'	8.8'	8.3'	4.4'
5'	3.5'	9.3'	8.4'	4.1'
5'	4.0'	9.8'	8.6'	3.8'
5'	4.5'	10.3'	8.7'	3.4'
5'	5.0'	10.8'	8.9'	3.1'

$B = X - (A + 9")$

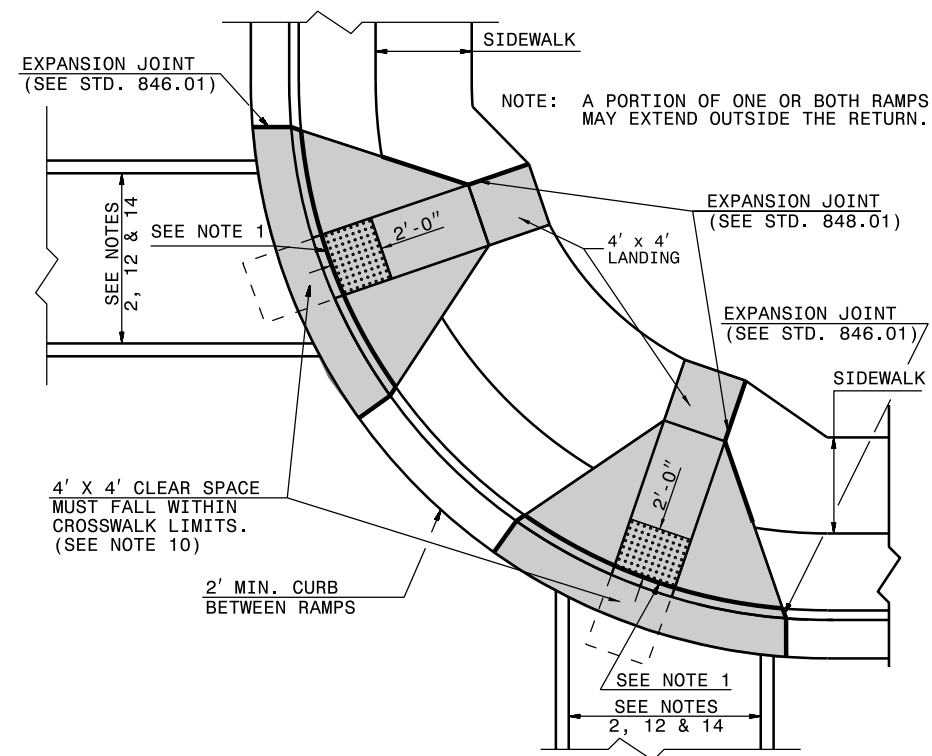
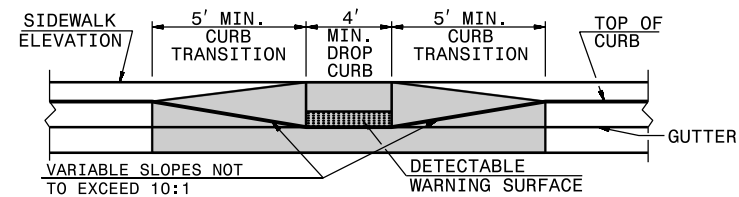
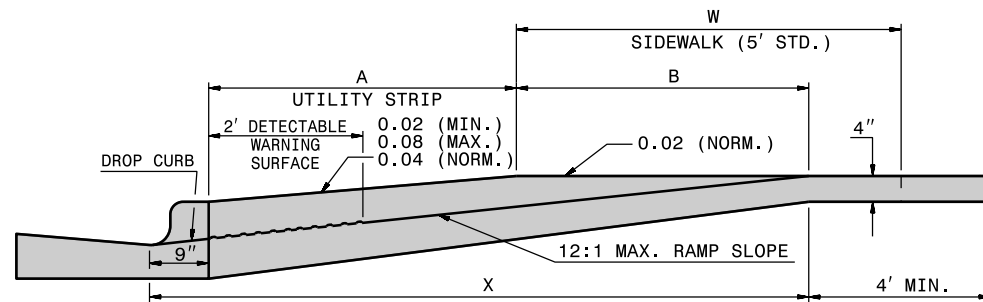
B = DISTANCE FROM FRONT EDGE OF SIDEWALK TO BACK POINT OF 12:1 (8.33%) SLOPE.

* BACK OF SIDEWALK DROP REQUIRED FOR ALL SIDEWALK SLOPES.

** BACK OF SIDEWALK DROP REQUIRED FOR SIDEWALK SLOPES 0.04.



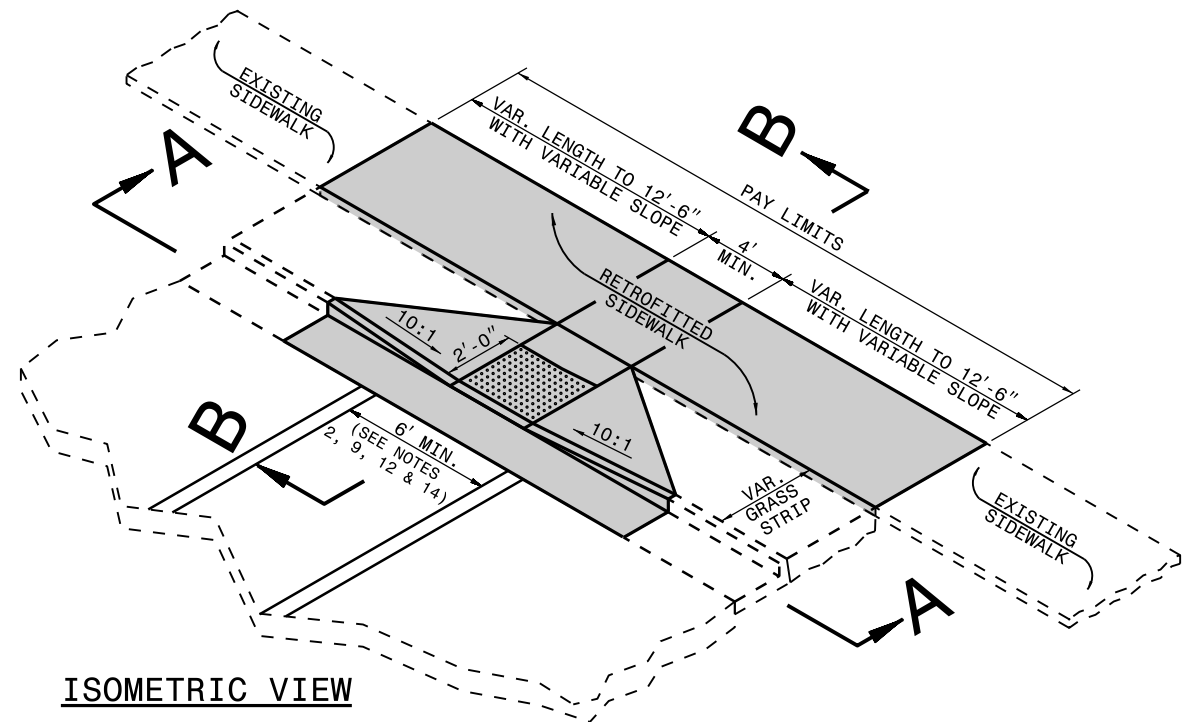
DETECTABLE WARNING SURFACE



DUAL RAMPS
ANY RADII
(4' MIN. FLOOR WIDTH)

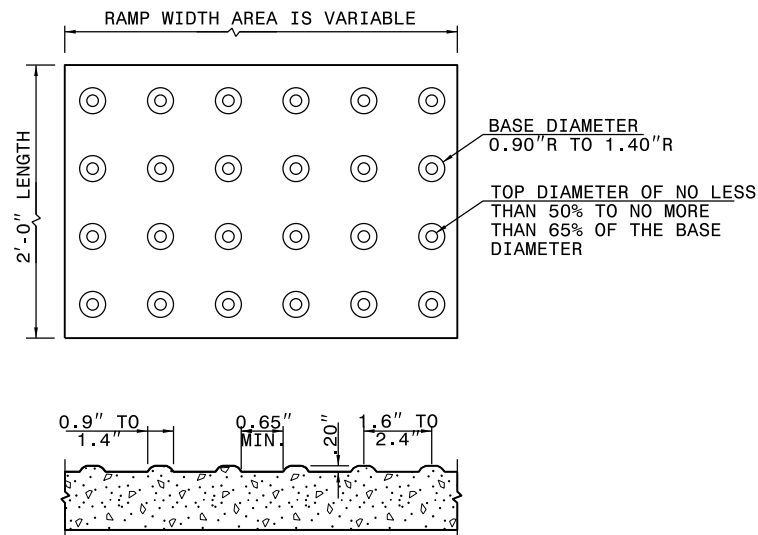
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CURB RAMP
PROPOSED CURB AND GUTTER



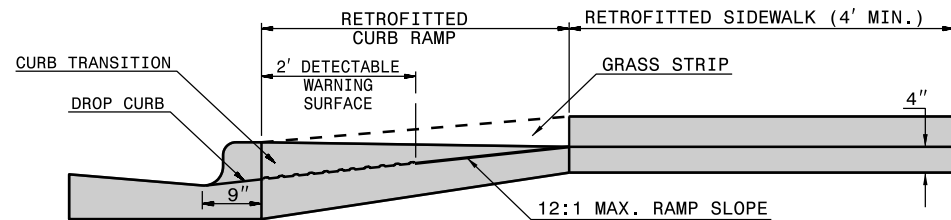
ISOMETRIC VIEW

NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

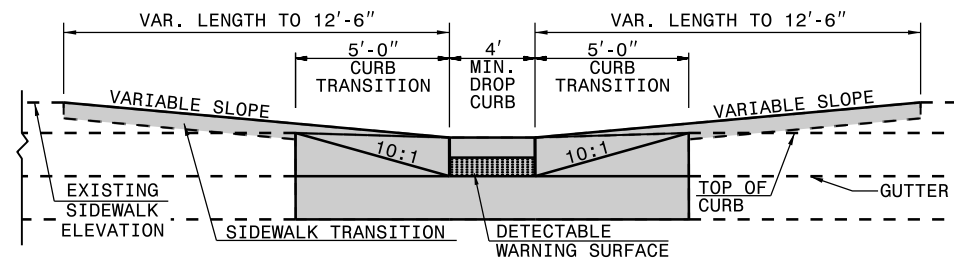


DETECTABLE WARNING SURFACE

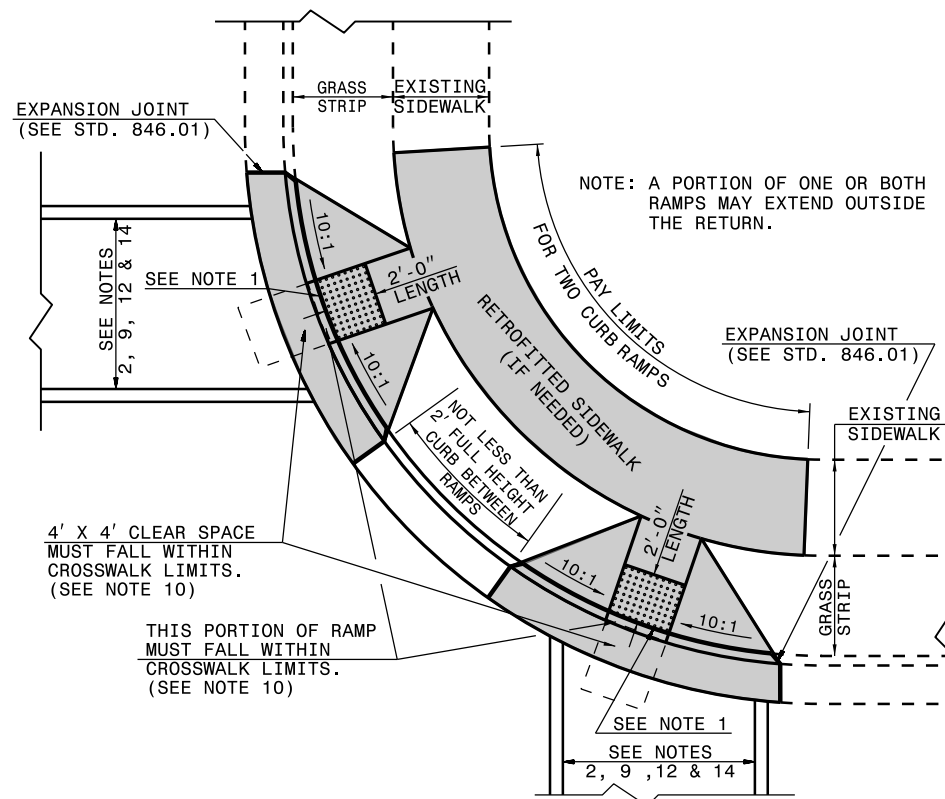
PAY LIMITS OF CURB RAMP



SECTION B-B



SECTION A-A



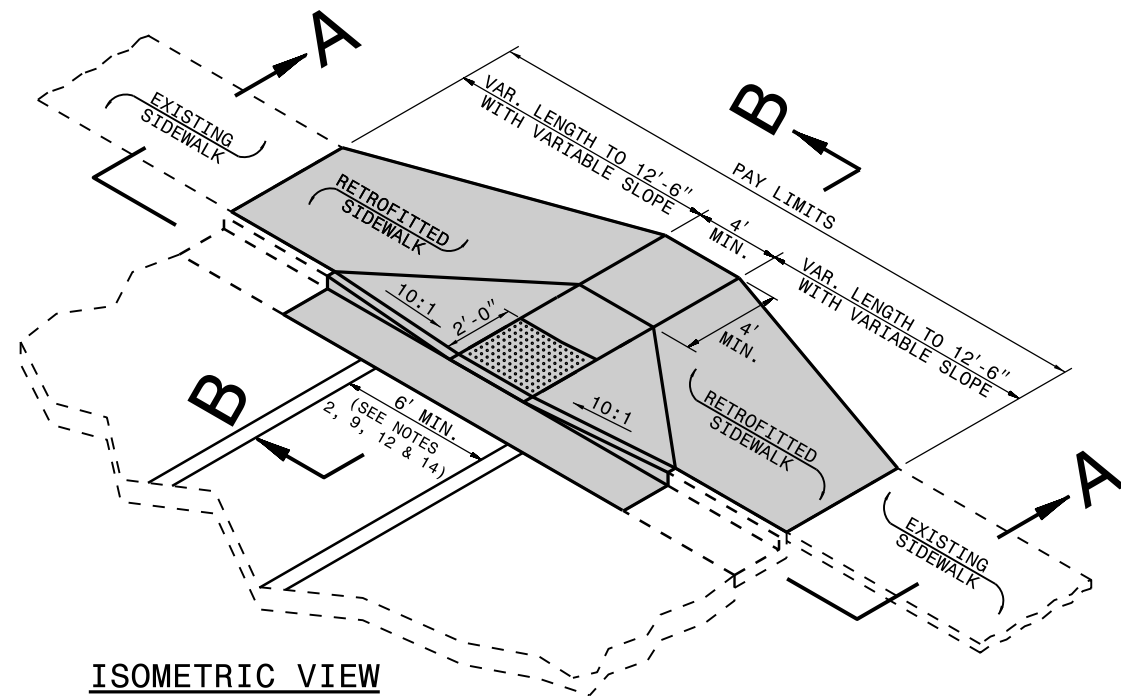
PLAN VIEW

DUAL RAMPS
ANY RADII
(40" MIN. FLOOR WIDTH)

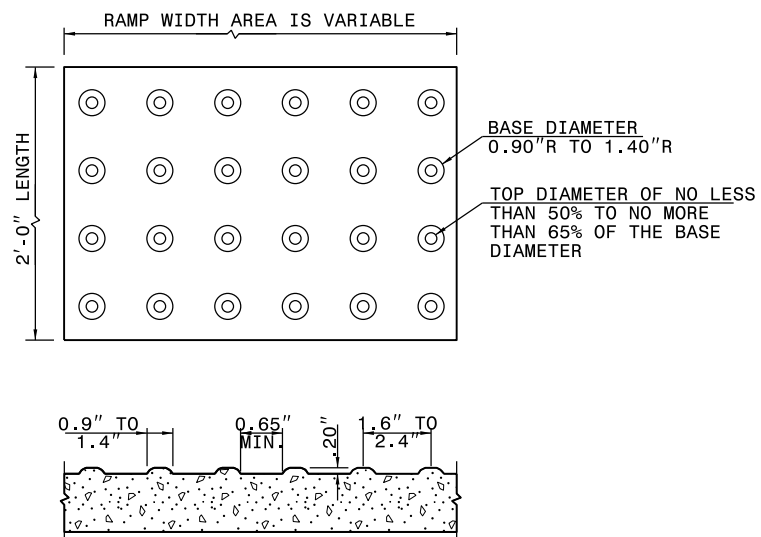
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CURB RAMP
CURB RAMP AND EXISTING SIDEWALK
WITH GRASS STRIP

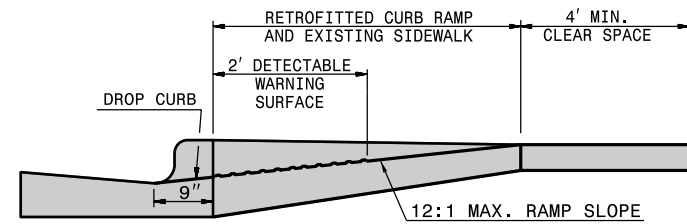
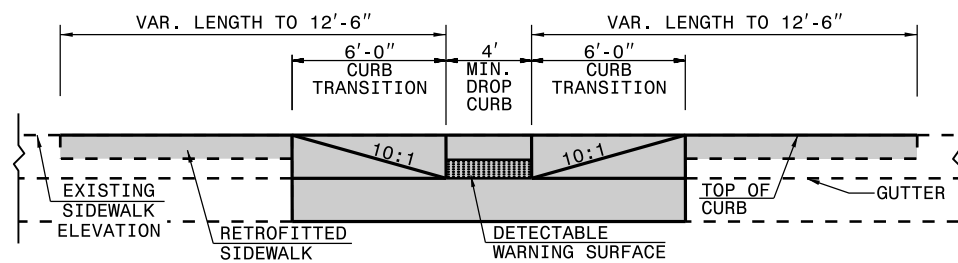
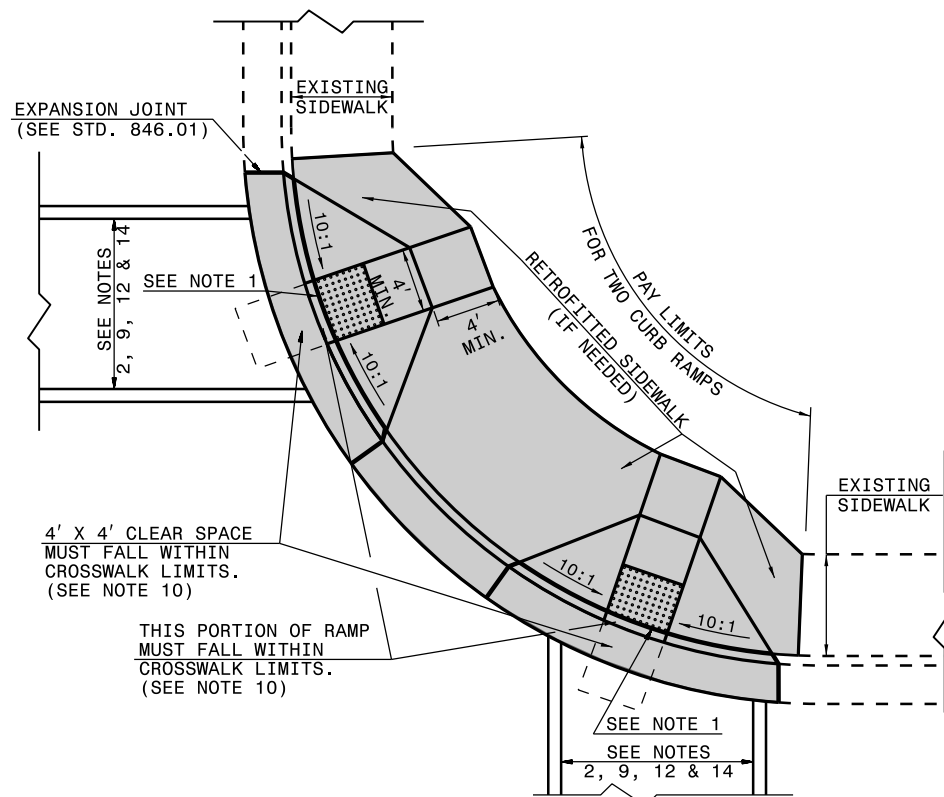
SHEET 2 OF 13
848.06

**ISOMETRIC VIEW**

NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

**DETECTABLE WARNING SURFACE**

 PAY LIMITS OF CURB RAMP

**SECTION B-B****SECTION A-A****PLAN VIEW**

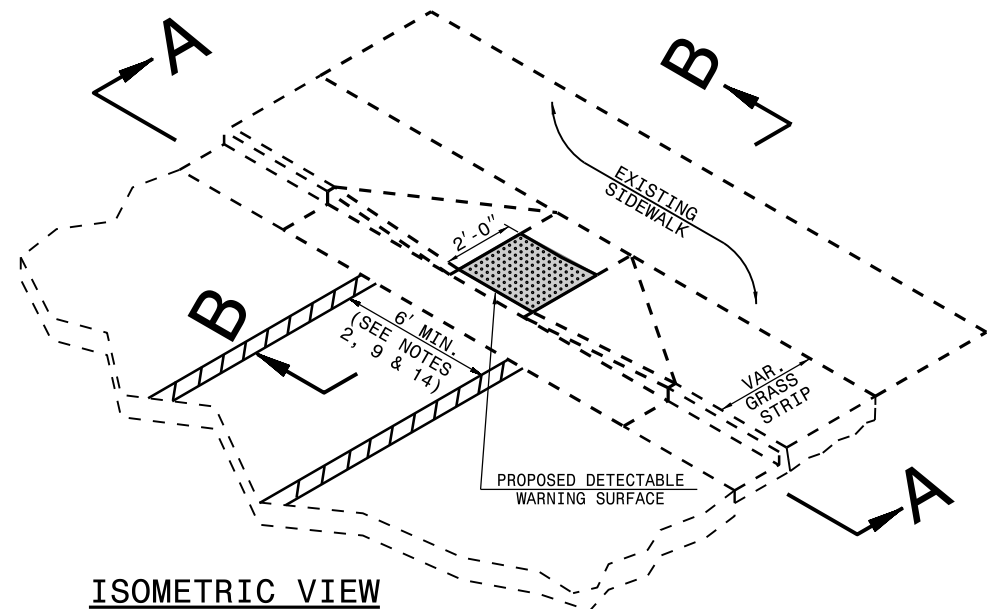
DUAL RAMPS
ANY RADII
(40" MIN. FLOOR WIDTH)

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CURB RAMP
CURB RAMP AND EXISTING SIDEWALK
ADJACENT TO CURB

SHEET 3 OF 13

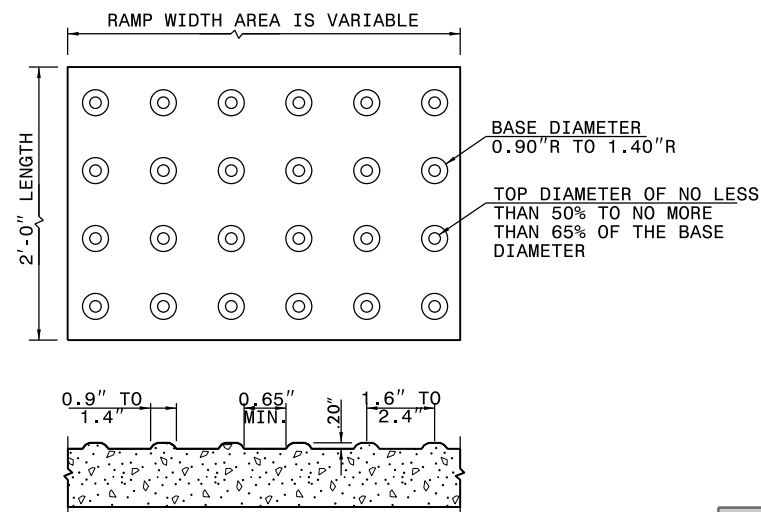
848.06



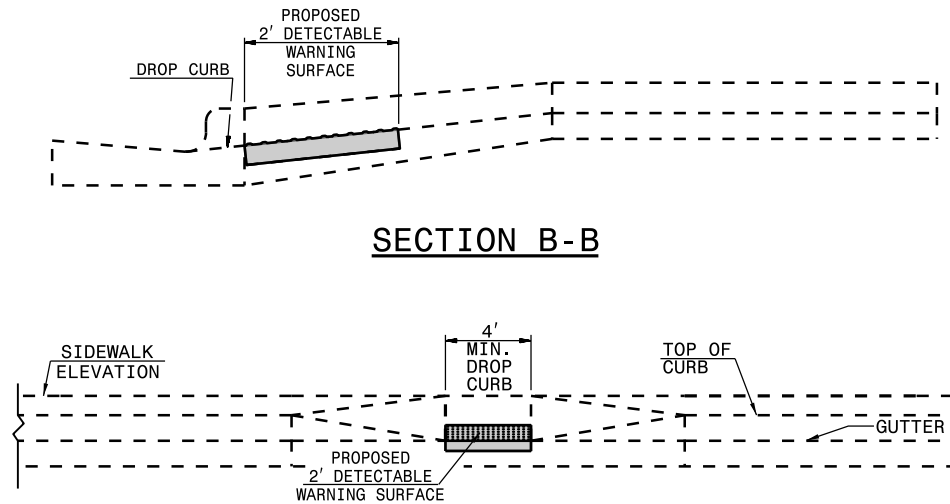
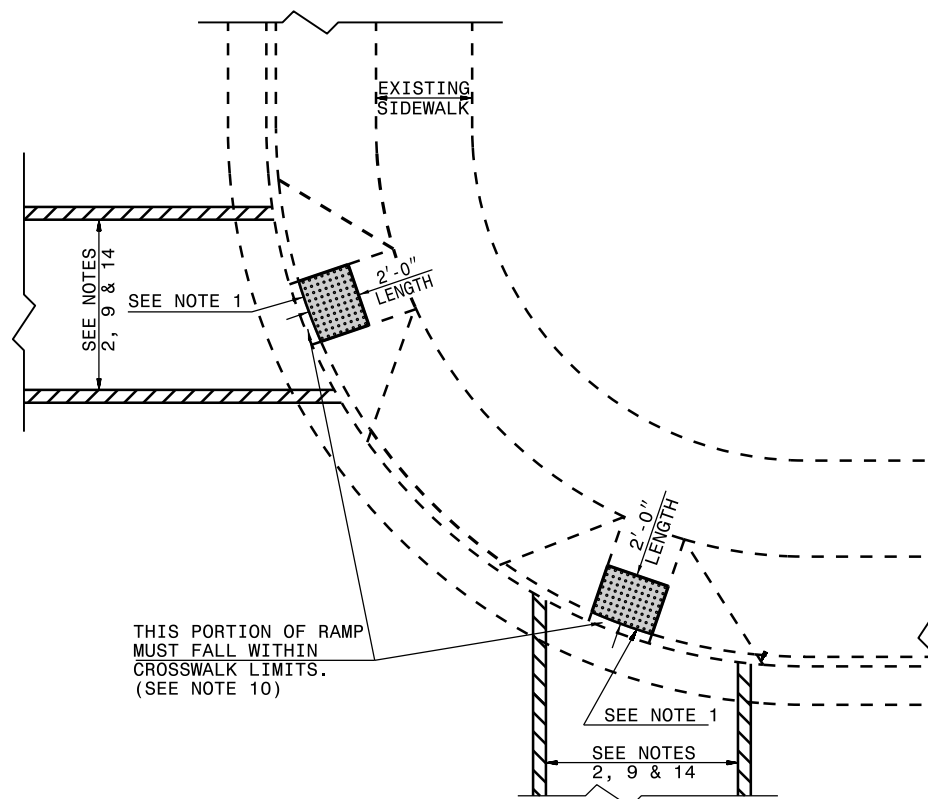
NOTES:

DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

**DETECTABLE WARNING SURFACE**

 PAY LIMITS OF RETROFIT CURB RAMP

**SECTION A-A****PLAN VIEW**

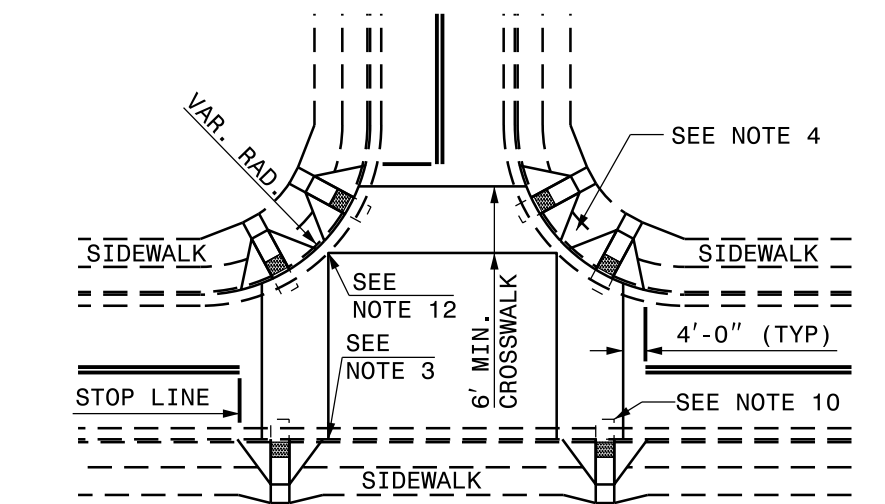
DUAL RAMPS
ANY RADII
(40" MIN. FLOOR WIDTH)

1-24 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

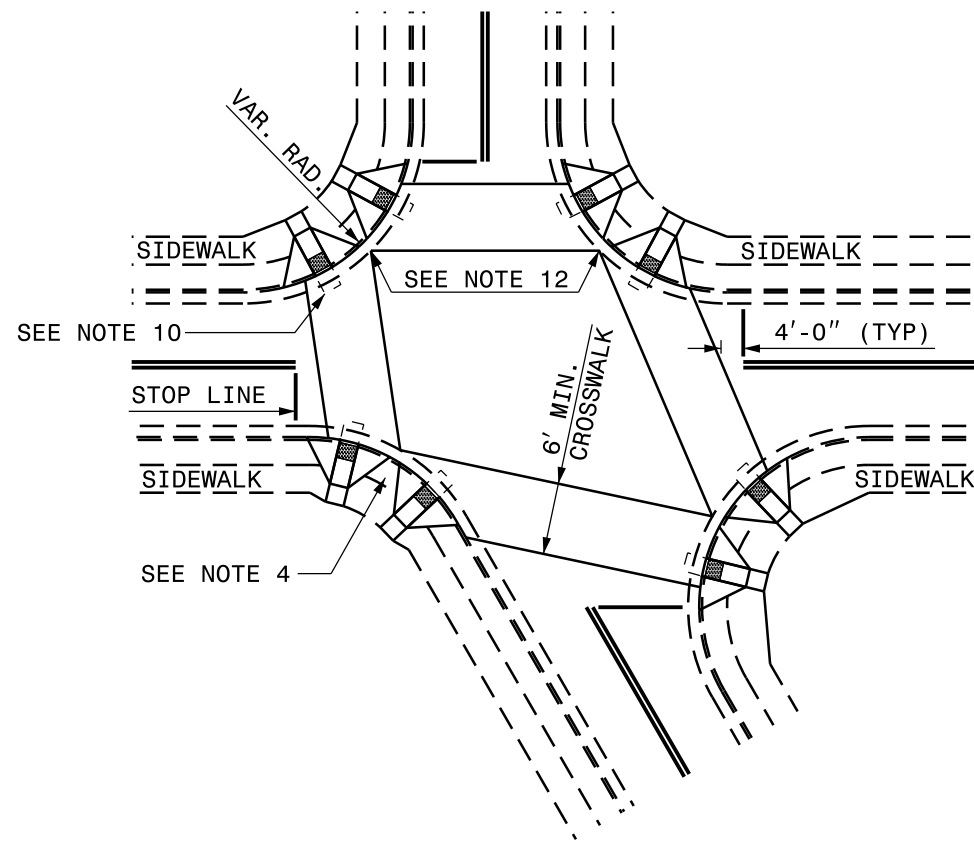
ROADWAY STANDARD DRAWING FOR
CURB RAMP
RETROFITTING DETECTABLE WARNING SURFACE
ONTO EXISTING CURB RAMP

SHEET 4 OF 13

848.06



DETAIL SHOWING TYPICAL LOCATION OF CURB RAMPS,
PEDESTRIAN CROSSWALKS AND STOP LINES FOR TEE INTERSECTIONS

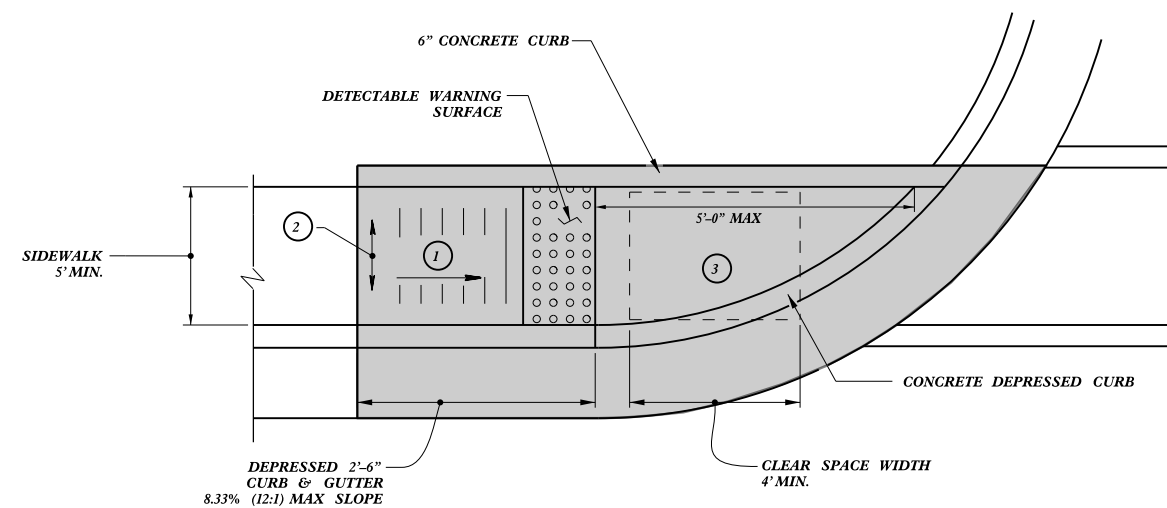


DETAIL SHOWING TYPICAL LOCATION OF CURB
RAMPS, PEDESTRIAN CROSSWALKS AND STOP LINES

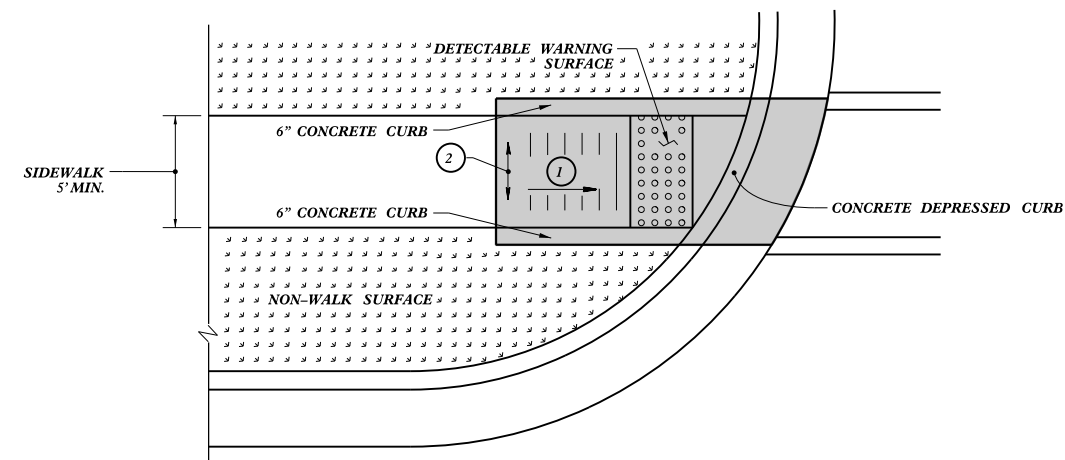
ROADWAY
PLAN SYMBOL
CR
FOR PROPOSED
CURB RAMP

 PROPOSED CURB RAMP W/ CLEAR SPACE
 PROPOSED OR FUTURE SIDEWALK

ALLOWABLE LOCATIONS
DUAL RAMP RADII.....ANY



TYPE 1



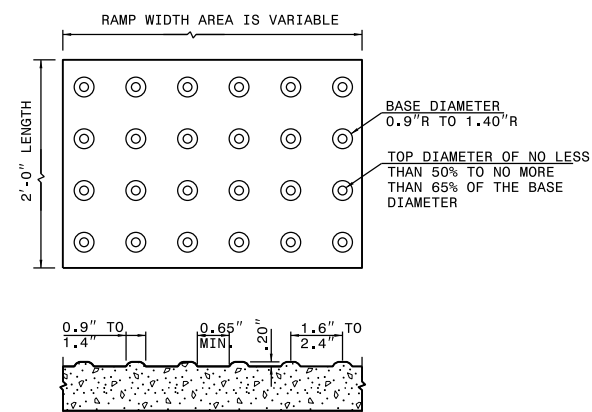
TYPE 1 MODIFIED

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%.

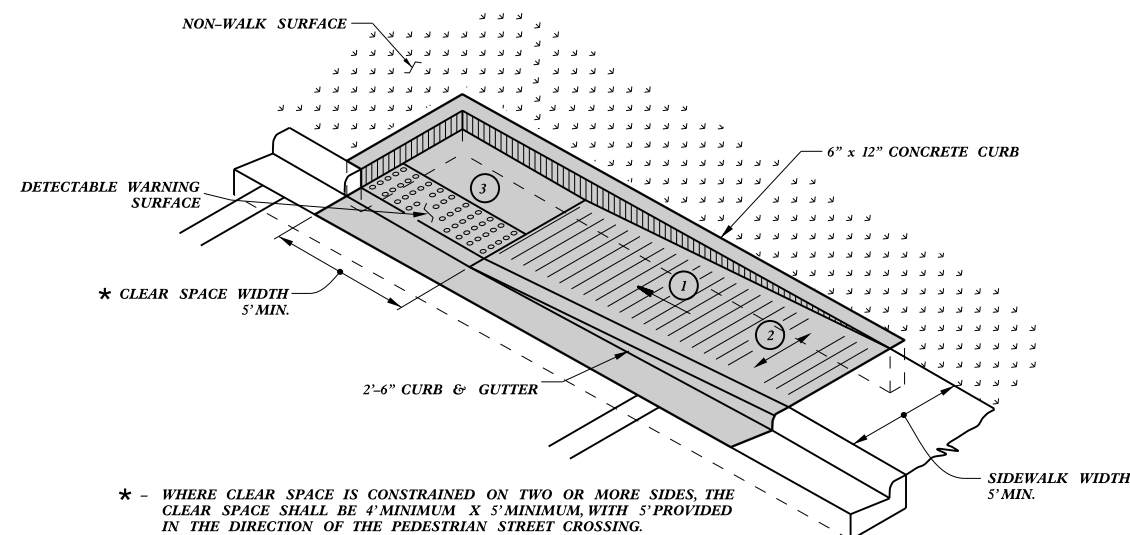
NOTES:

DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING SURFACE



TYPE 1A

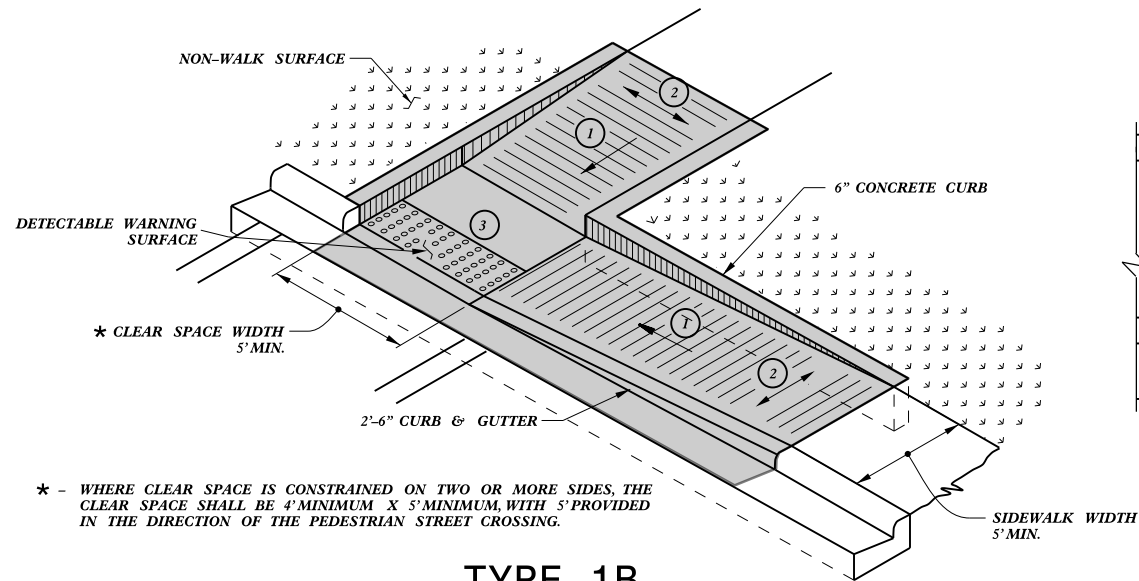
PAY LIMITS FOR 1 CURB RAMP

1-24 STATE OF
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DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR **CURB RAMP** DIRECTIONAL RAMP

SHEET 6 OF 13

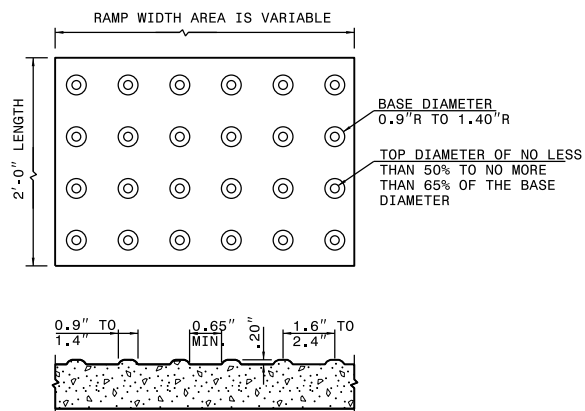
848.06



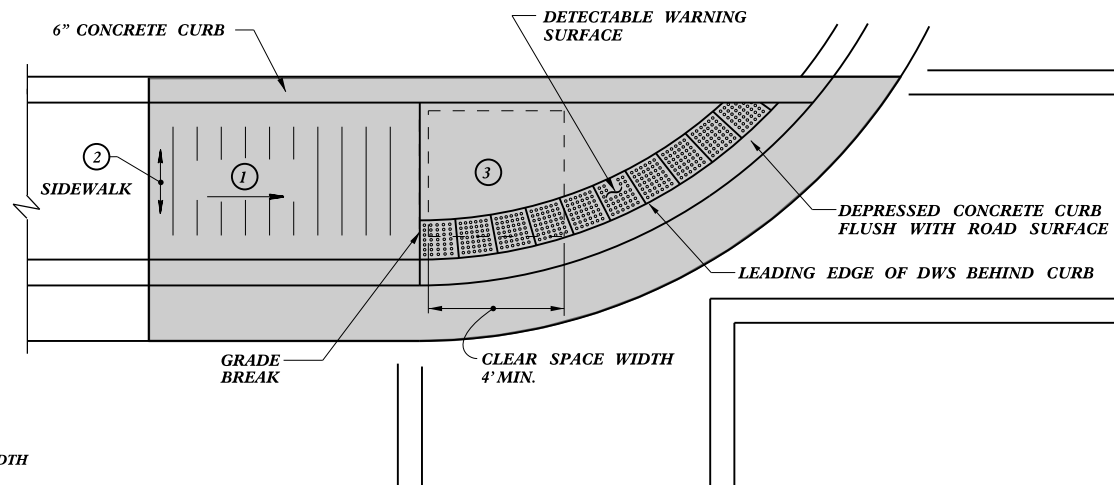
TYPE 1B

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%.

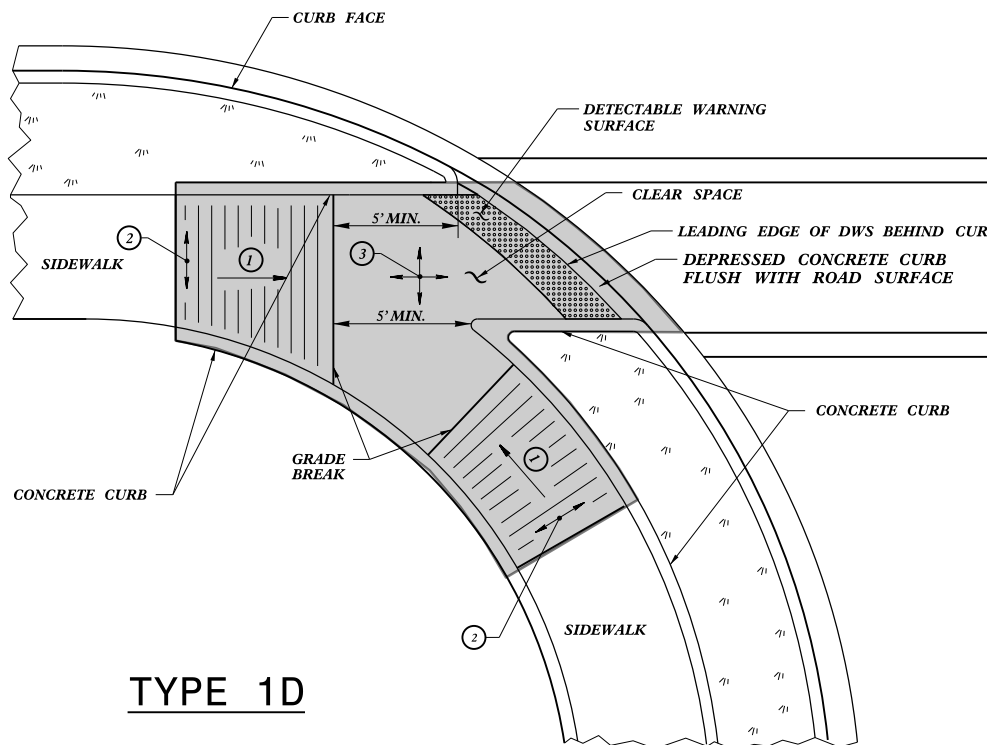
NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING SURFACE



TYPE 1C



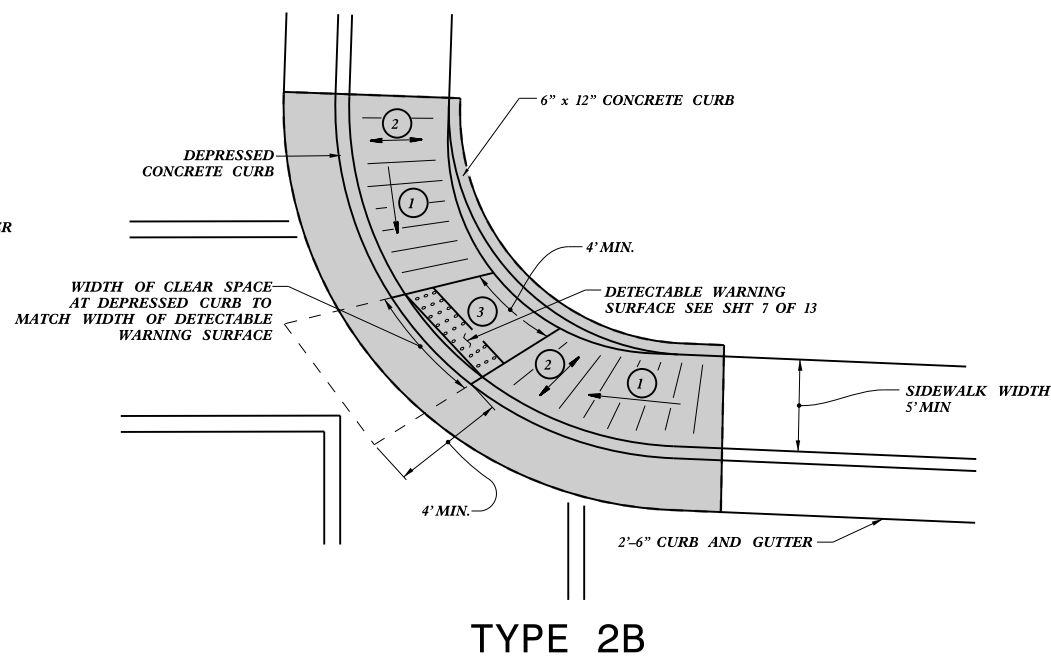
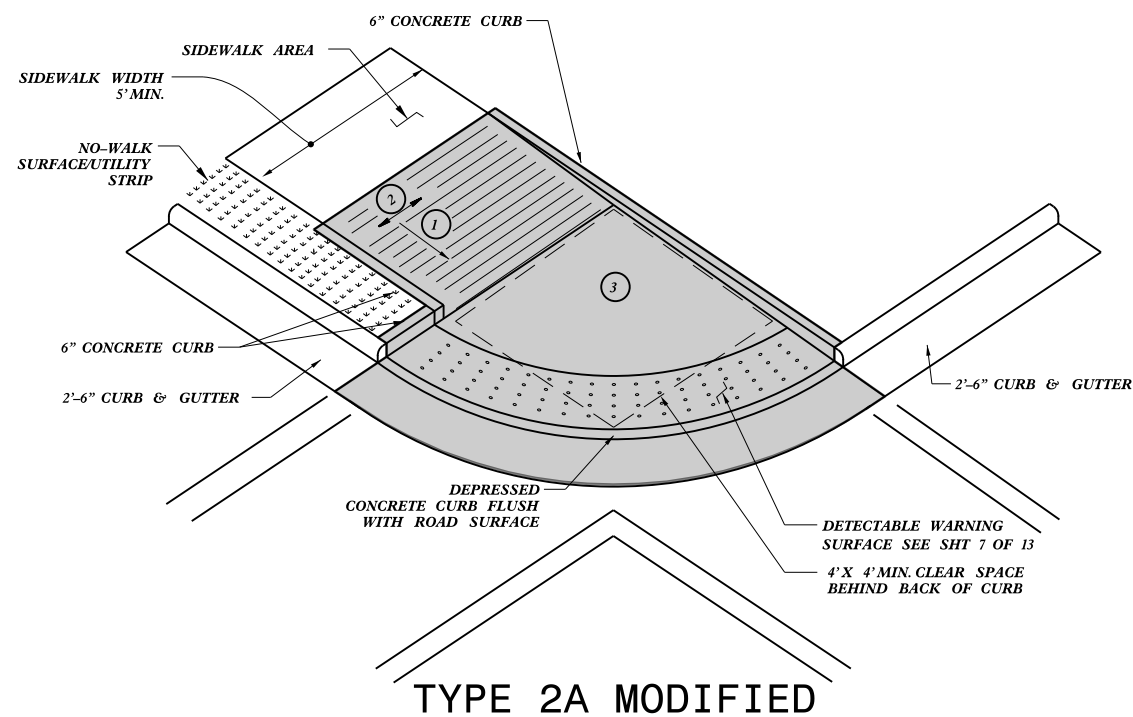
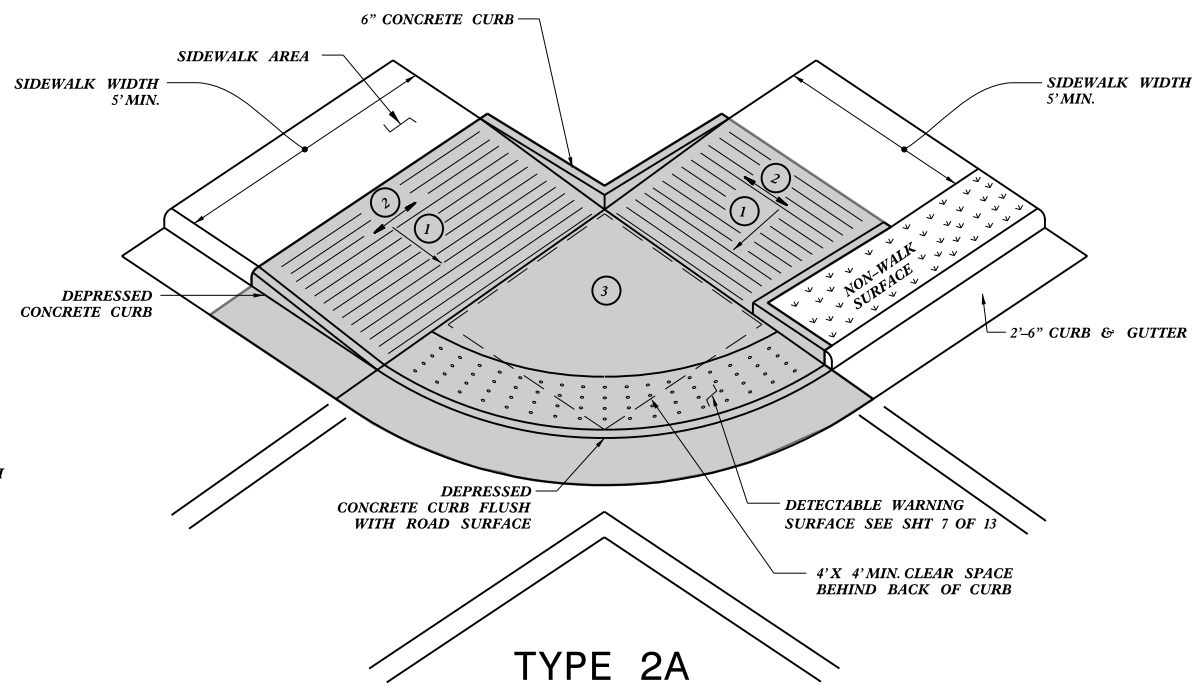
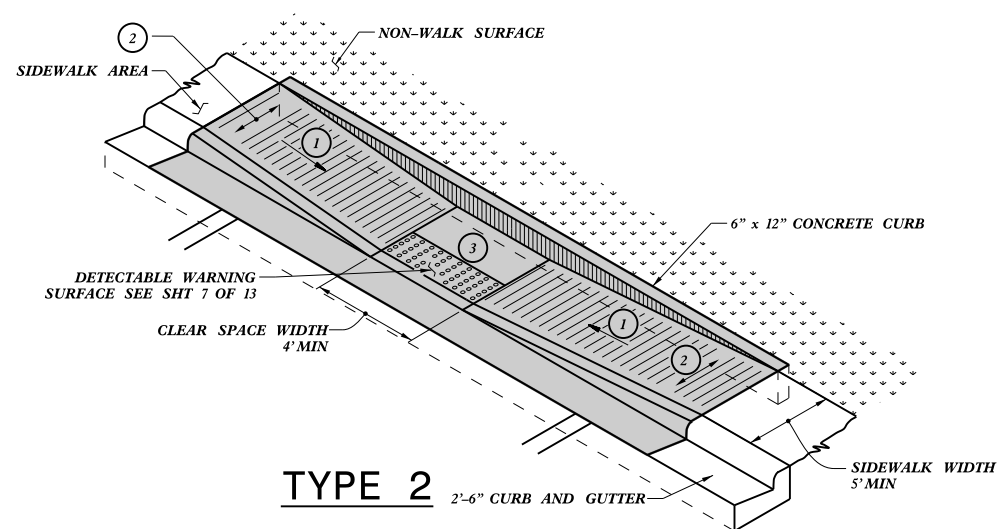
TYPE 1D

PAY LIMITS FOR 1 CURB RAMP

STATE OF
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DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CURB RAMP
DIRECTIONAL RAMP

SHEET 7 OF 13
848.06



- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%

PAY LIMITS FOR 1 CURB RAMP

1-24
STATE OF
NORTH CAROLINA
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DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CURB RAMP
PARALLEL RAMP

SHEET 8 OF 13
848.06

PROJECT REFERENCE NO.	SHEET NO.
BO-2408J & BO-2408K	46

★ - WHERE CLEAR SPACE IS CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE SHALL BE 4' MINIMUM X 5' MINIMUM, WITH 5' PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.

TYPE 3

NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

DETECTABLE WARNING SURFACE

**TYPE 3 MODIFIED
INSTALLATION IN A RADIUS**

1 8.33% (12:1) MAX RAMP SLOPE

2 CROSS SLOPE: 2.00%

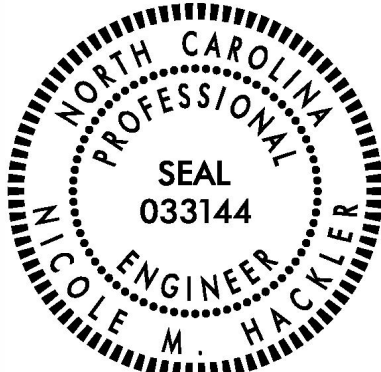
3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%.

PAY LIMITS FOR 1 CURB RAMP

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DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CURB RAMP
PARALLEL RAMP

SHEET 9 OF 13
848D06



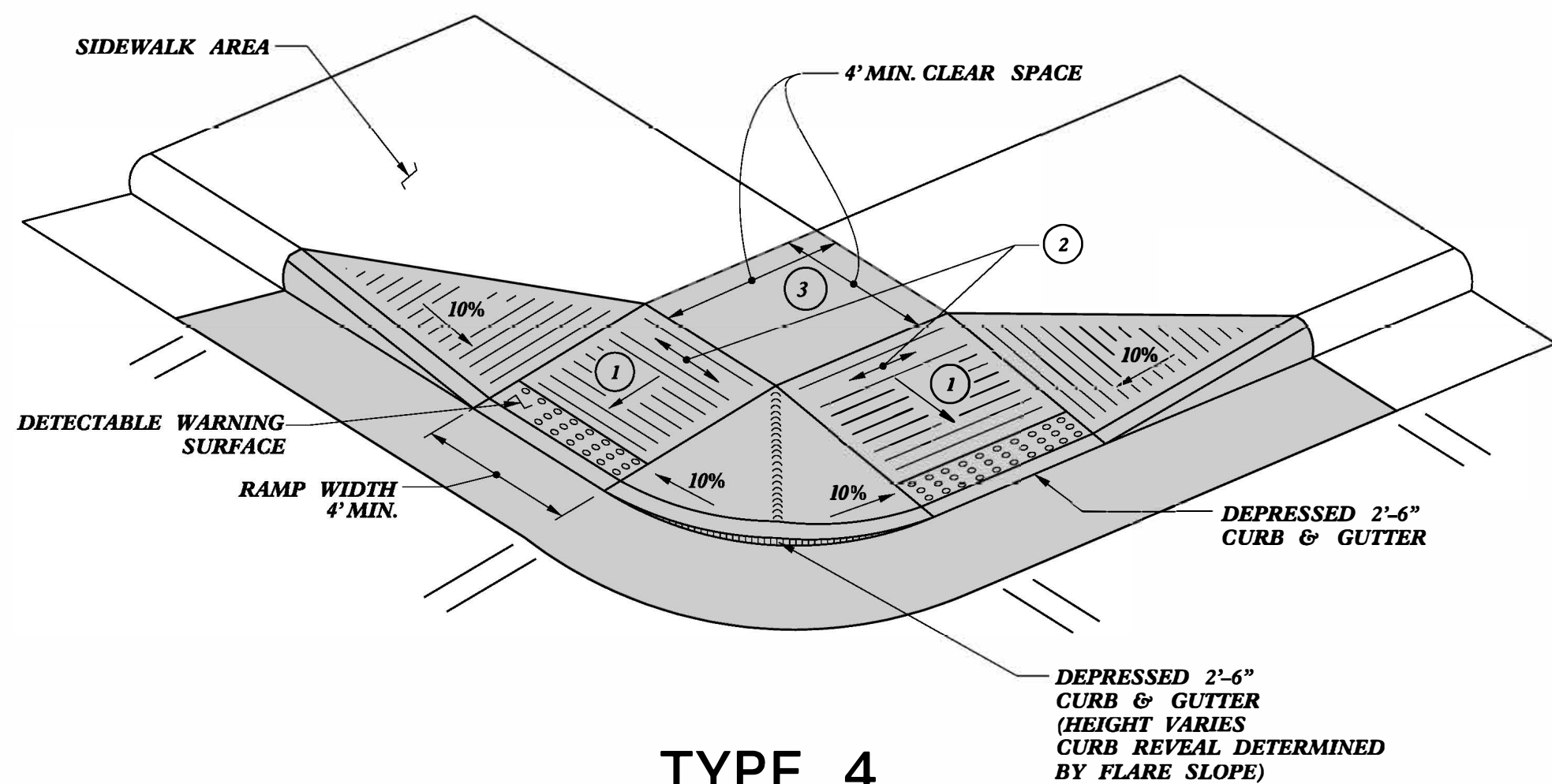
Signed by:
Nicole M. Hickler
2060302034164CS...
1/13/2026

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

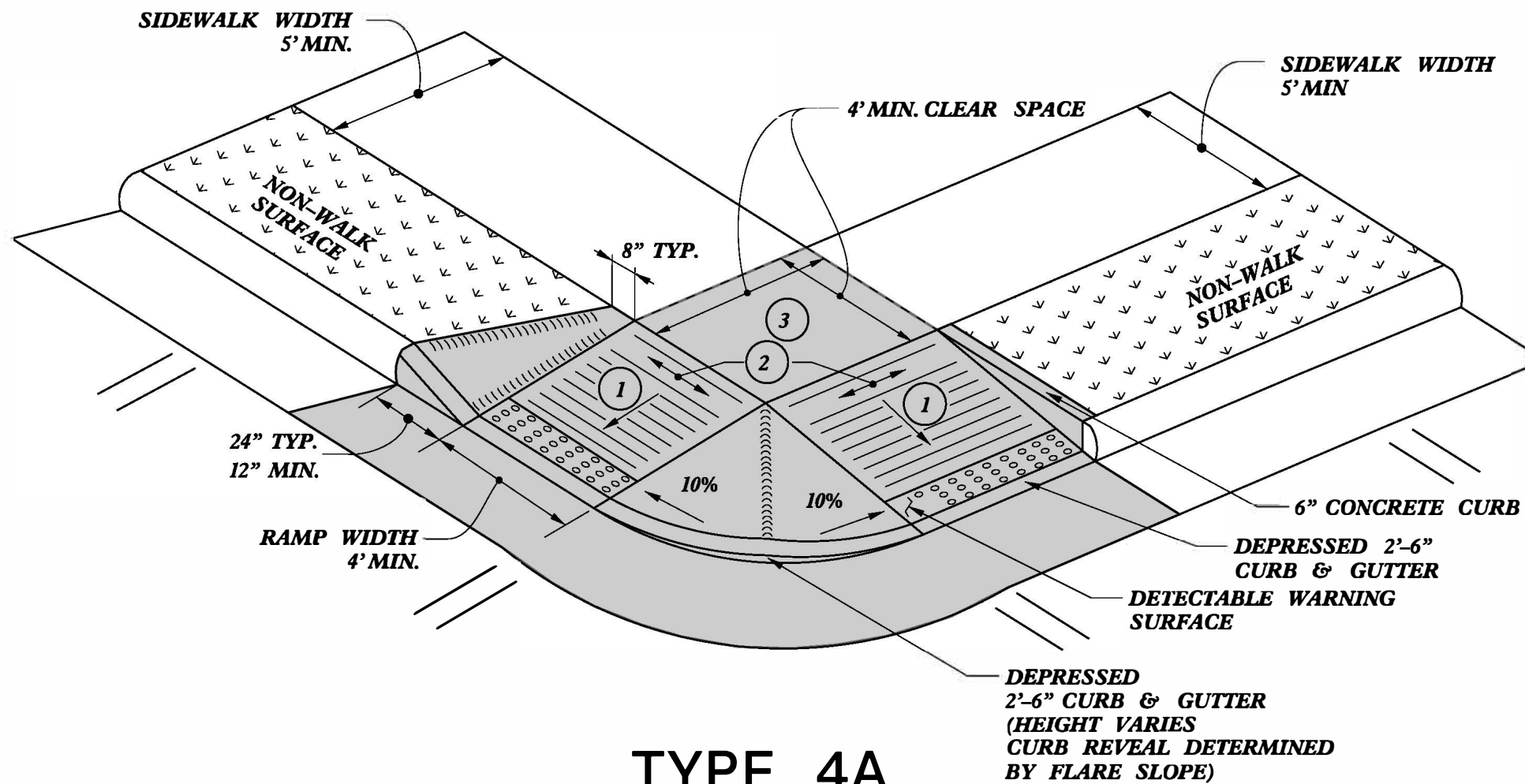
CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

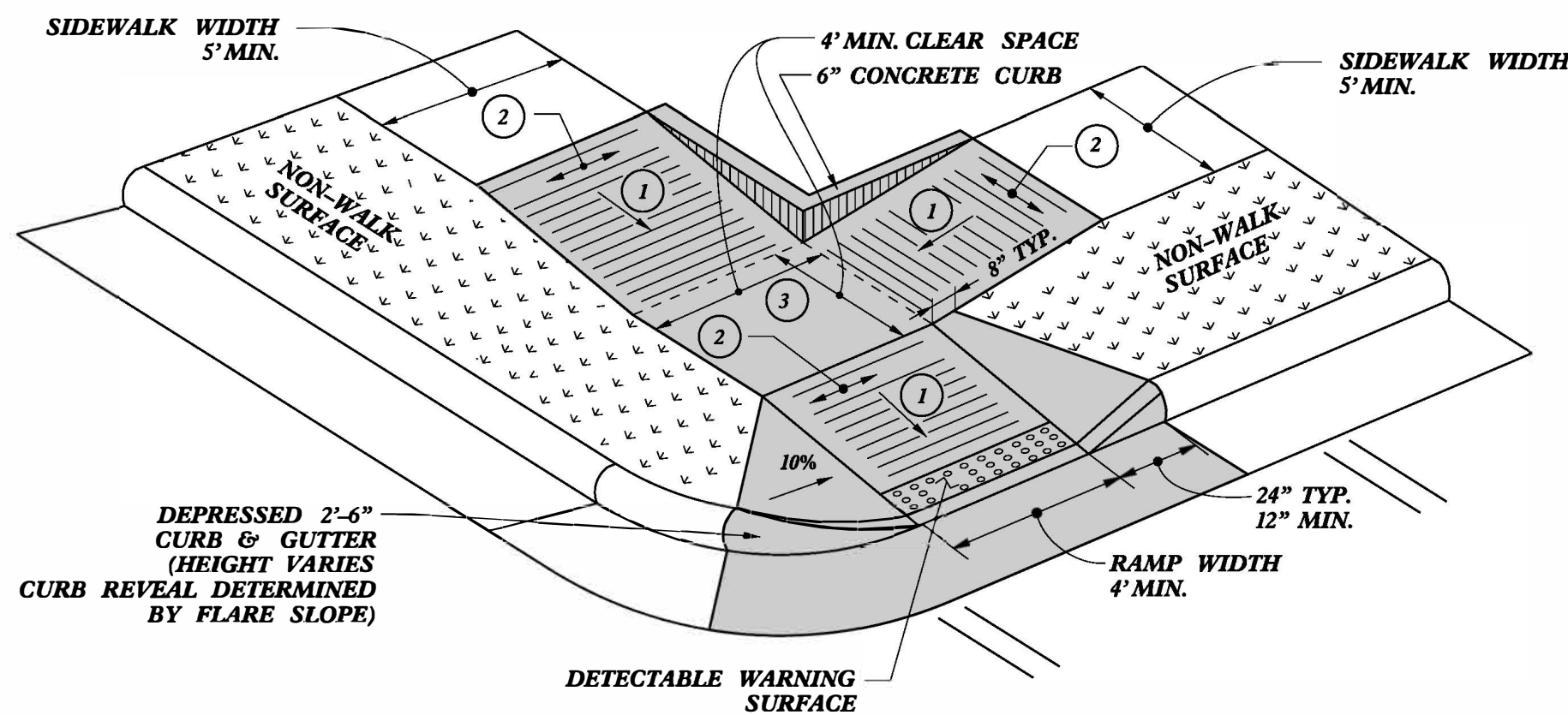
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MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: special_details\nmhackler\D0609.dgn



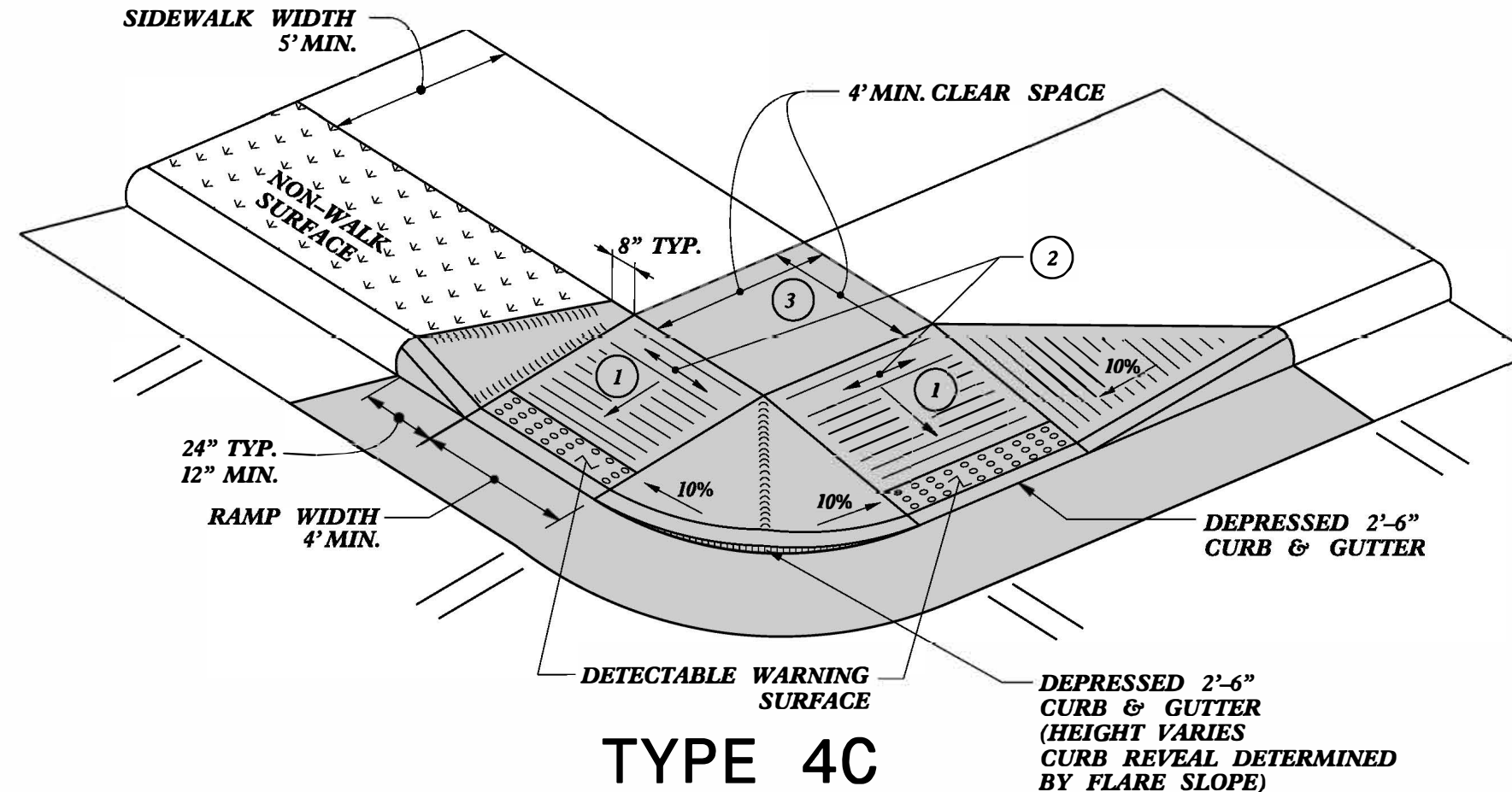
TYPE 4



TYPE 4A

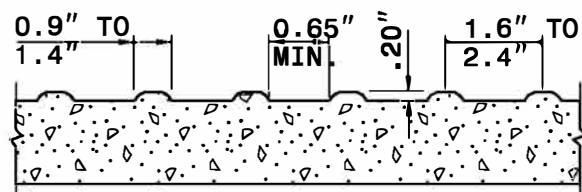
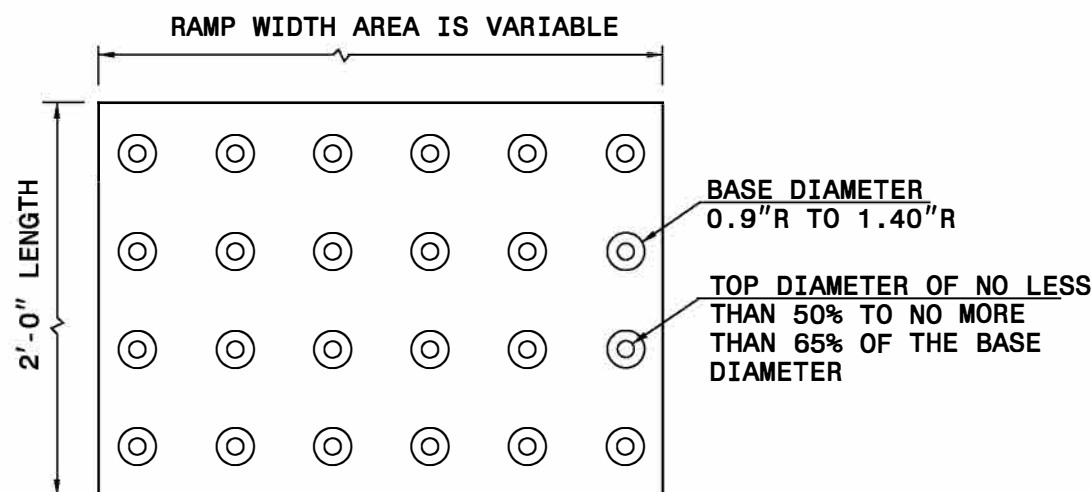


TYPE 4B



TYPE 4C

NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%

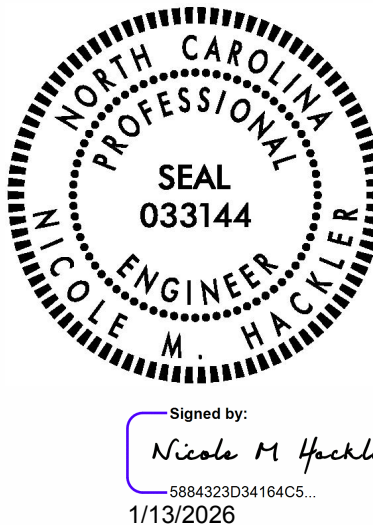
PAY LIMITS FOR 1 OR 2 CURB RAMPS
(CALCULATE BASED ON NUMBER OF SETS
OF DETECTABLE WARNING SURFACES)

DETECTABLE WARNING SURFACE

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CURB RAMP
SHARED LANDING

SHEET 10 OF 13
848D06

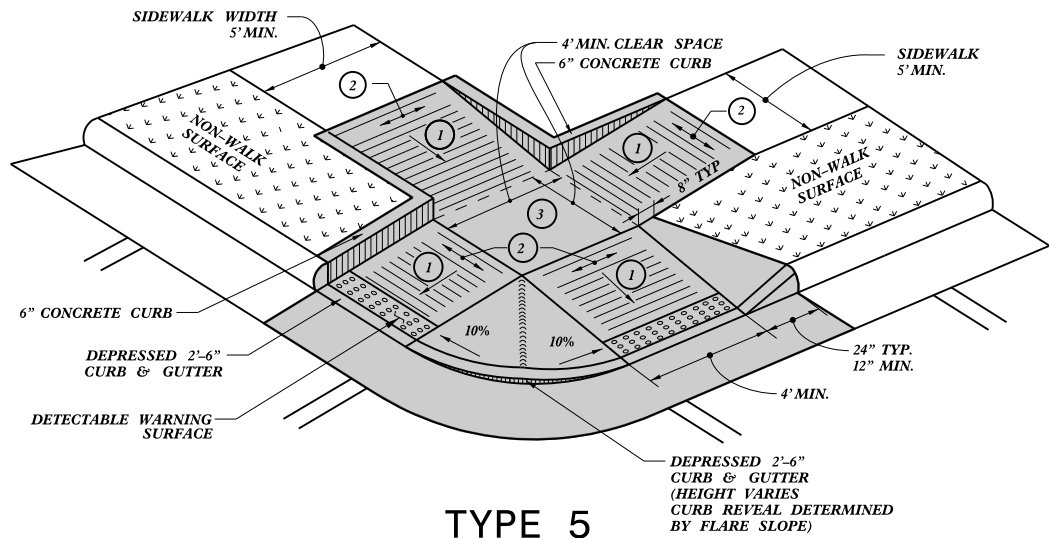


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

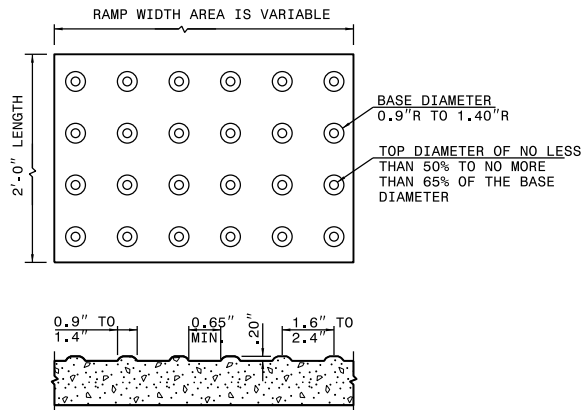
CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

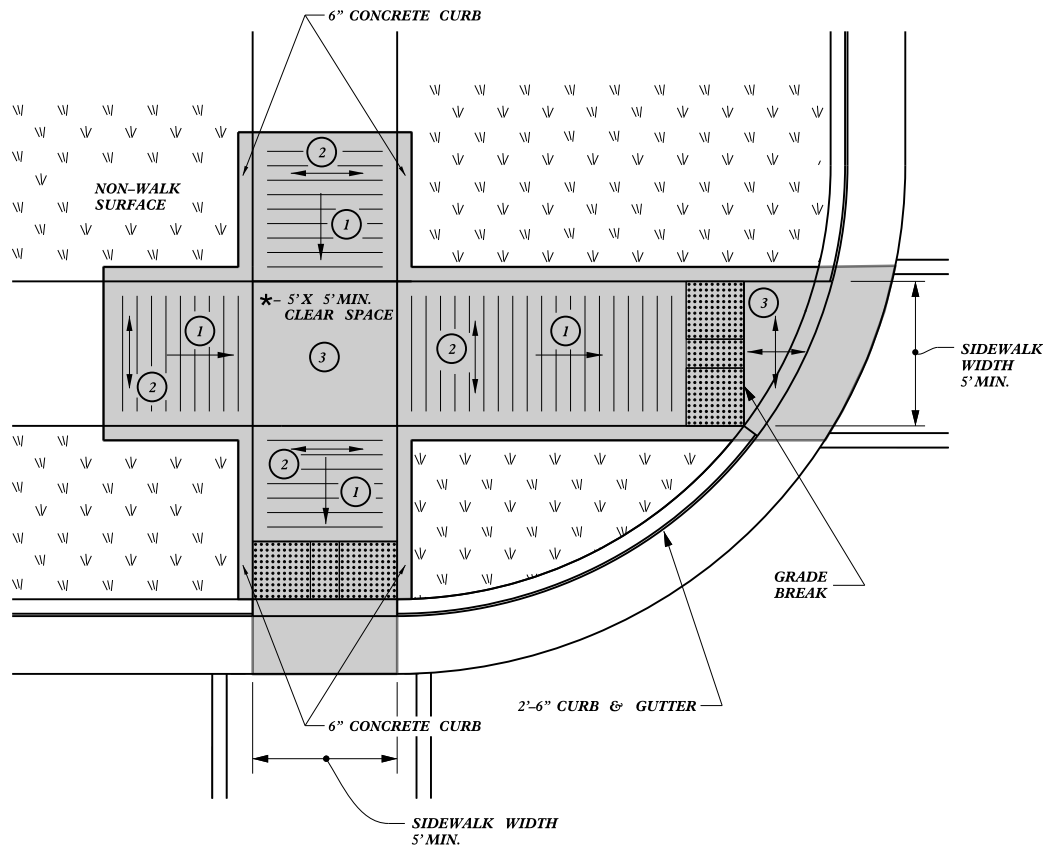
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MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: special_details\nmhackler\848D0610.dgn



NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING SURFACE



* - WHERE CLEAR SPACE IS CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE SHALL BE 4' MINIMUM X 5' MINIMUM, WITH 5' PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.

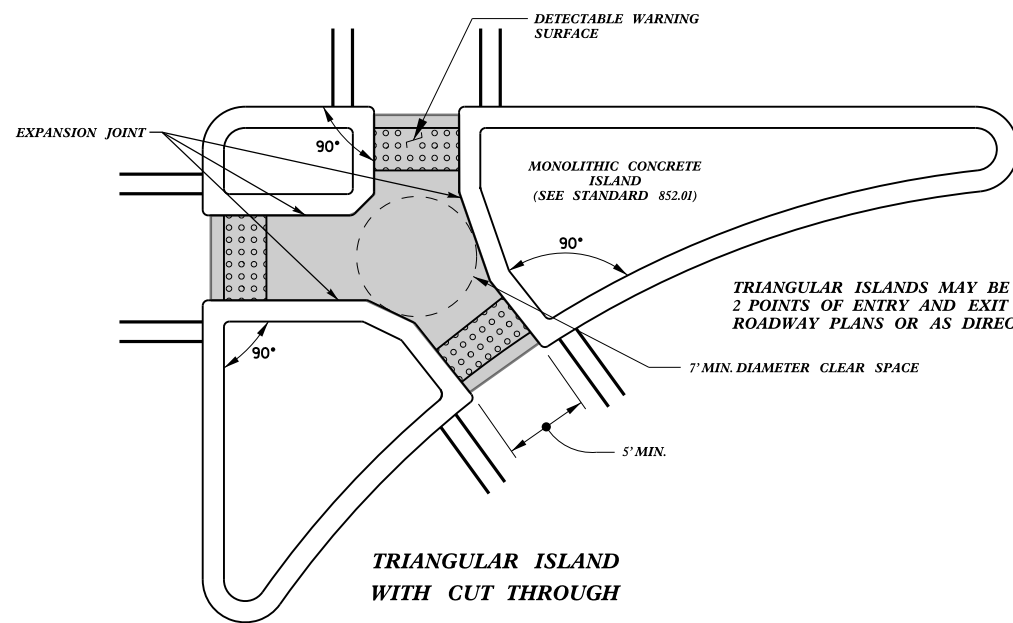
TYPE 5A

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%.

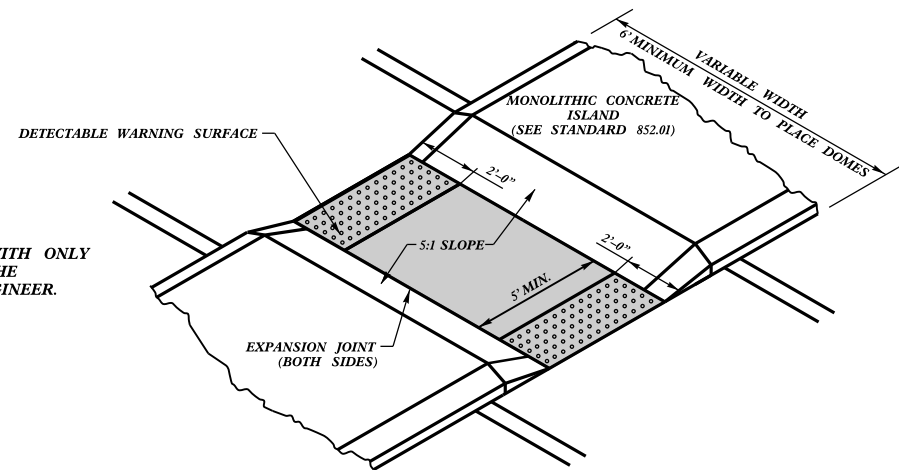
PAY LIMITS FOR 1 OR 2 CURB RAMPS
(CALCULATE BASED ON NUMBER OF SETS
OF DETECTABLE WARNING SURFACES)

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

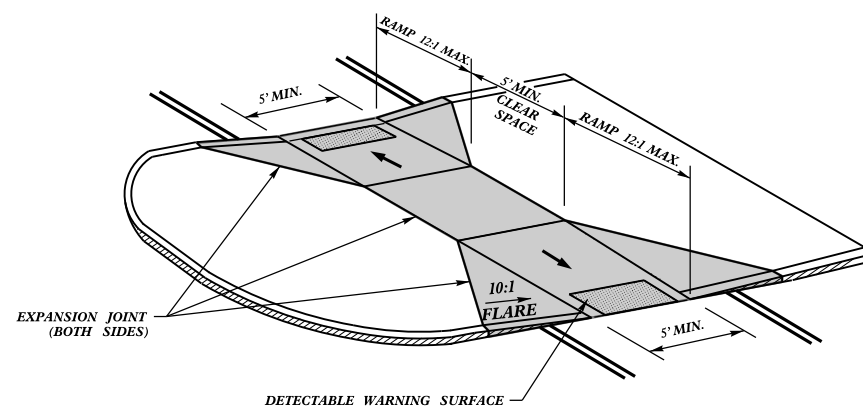
ROADWAY STANDARD DRAWING FOR
CURB RAMP
SHARED LANDING



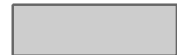
TRIANGULAR ISLAND
WITH CUT THROUGH
TYPE 6



MEDIAN ISLAND
WITH CUT THROUGH
TYPE 7

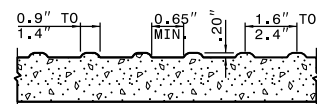
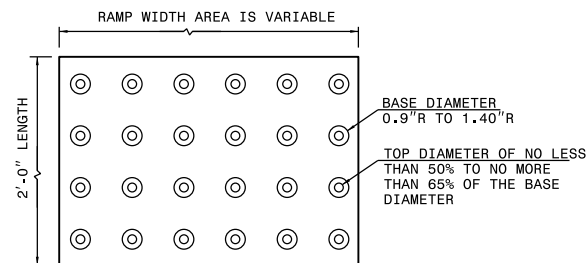


MEDIAN ISLAND
CURB RAMPS
TYPE 8



PAY LIMITS FOR 2 OR 3 CURB RAMPS
(CALCULATE BASED ON NUMBER OF
SETS OF DETECTABLE WARNING SURFACES)

NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE
RAMP FLOOR AS SHOWN ON THE DETAILS.
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE,
EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING SURFACE

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DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CURB RAMP
ISLAND RAMP

SHEET 12 OF 13

848.06

NOTES:

1. CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
2. LOCATE CURB RAMPS AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMPS OR MARKINGS AS SHOWN, CONTACT THE SIGNING AND DELINEATION UNIT OR LOCATE AS DIRECTED BY THE ENGINEER.
3. COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A 4'x4' CLEAR SPACE AT THE BASE OF THE CURB RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES.
4. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4' MINIMUM.
5. REFER TO THE PAVEMENT MARKING PLANS FOR STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS. IF A PAVEMENT MARKING PLAN IS NOT PROVIDED, CONTACT THE SIGNAL DESIGN SECTION FOR THE STOP BAR LOCATIONS OR LOCATE AS DIRECTED BY THE ENGINEER.
6. TERMINATE PARKING A MINIMUM OF 20' FROM THE BACK OF PEDESTRIAN CROSSWALK.
7. CONSTRUCT CURB RAMPS A MINIMUM OF 4' WIDE.
8. CONSTRUCT THE RUNNING SLOPE OF THE RAMP 8.33% MAXIMUM.
9. ALLOWABLE CROSS SLOPE ON SIDEWALKS AND CURB RAMPS WILL BE 2% MAXIMUM.
10. CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE.
11. CONSTRUCT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION.
12. CONSTRUCT CLEAR SPACES FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. CONSTRUCT CLEAR SPACES FOR MEDIAN ISLANDS A MINIMUM OF 5'x5' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. IF CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE SHALL BE 4' MINIMUM X 5' MINIMUM, WITH 5' PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.
13. TO USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA, MEDIAN ISLANDS WILL BE A MINIMUM OF 6' WIDE. CONSTRUCT MEDIAN ISLANDS TO PROVIDE PASSAGE OVER OR THROUGH THE ISLAND.
14. SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5'x5' CLEAR SPACE AT THE TOP OF RAMPS, WILL BE CUT THROUGH LEVEL WITH THE SURFACE STREET.
15. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP, WHERE THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE, OR THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED.
16. PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE CURB RAMP JOINS THE CURB AS SHOWN IN ROADWAY STANDARD DRAWING 848.01.
17. PLACE ALL PEDESTRIAN PUSH BUTTON ACTUATORS AND CROSSING SIGNALS AS SHOWN IN THE PLANS OR AS SHOWN IN THE MUTCD.
18. DETECTABLE WARNING SURFACES WILL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
19. DETECTABLE WARNING SURFACES WILL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

1-24
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

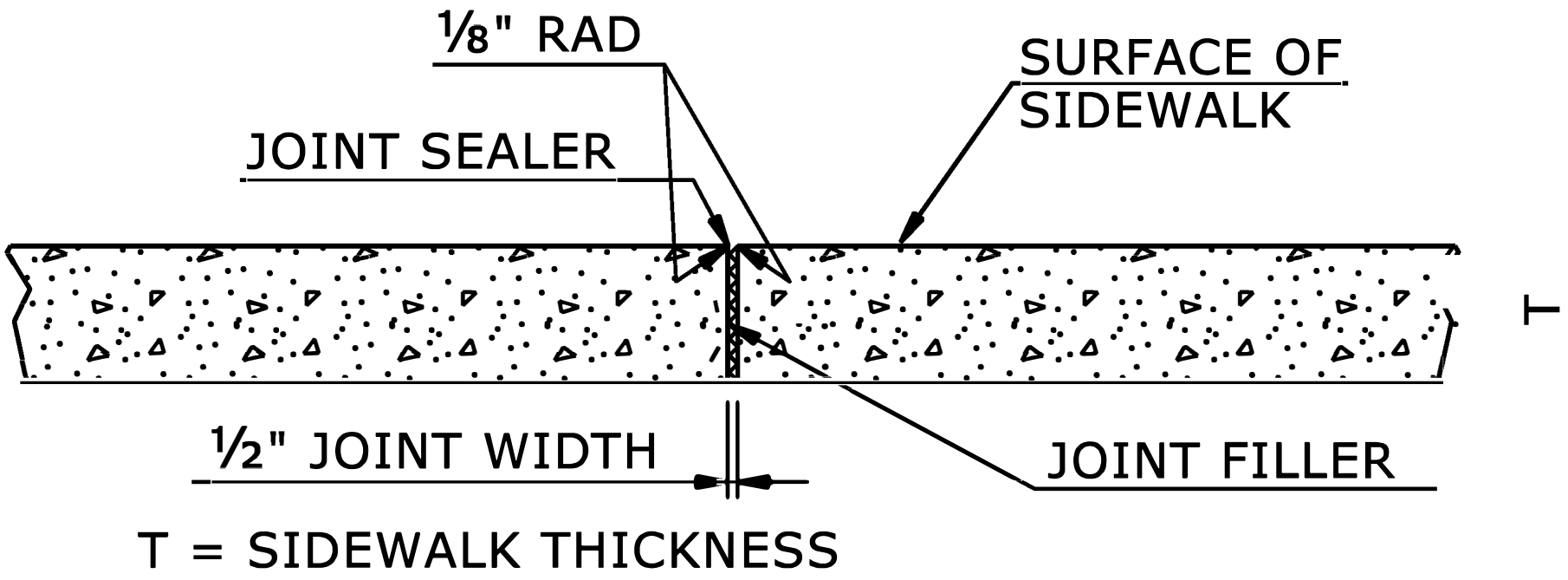
ROADWAY STANDARD DRAWING FOR
CURB RAMP
NOTES

NOTES:

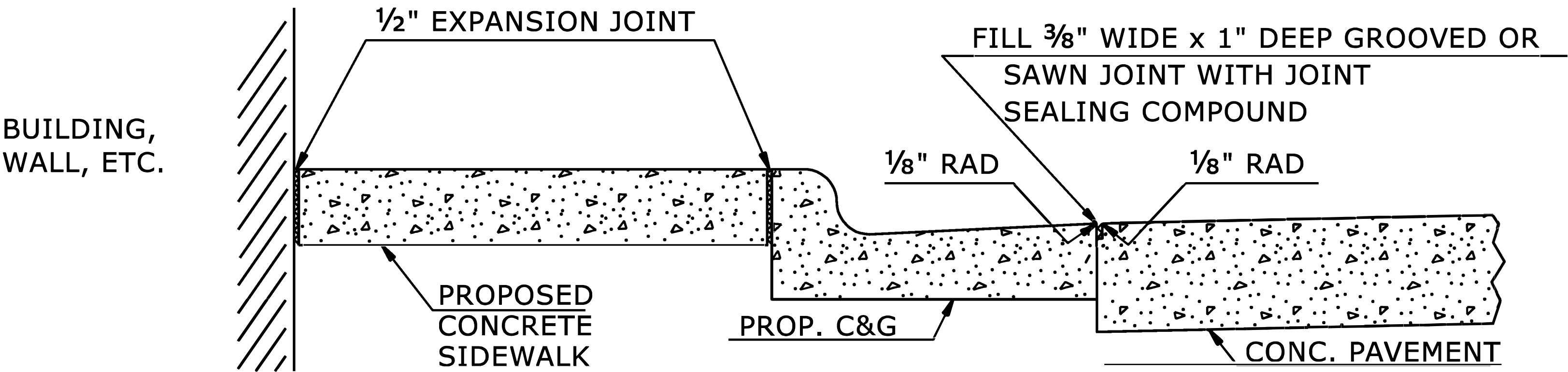
CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

PLACE A GROOVE JOINT 1" DEEP WITH 1/8" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.06 FOR CURB RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.



TRANSVERSE EXPANSION JOINT
IN SIDEWALK



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

STATE OF
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DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
CONCRETE SIDEWALK



Signed by:
Nicole M. Hacker
-588432034164CS..
1/13/2026

SHEET 1 OF 1
848D01

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UNLESS ALL SIGNATURES COMPLETED

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

Office 919-707-6950 FAX 919-250-4119

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ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: DATE:

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

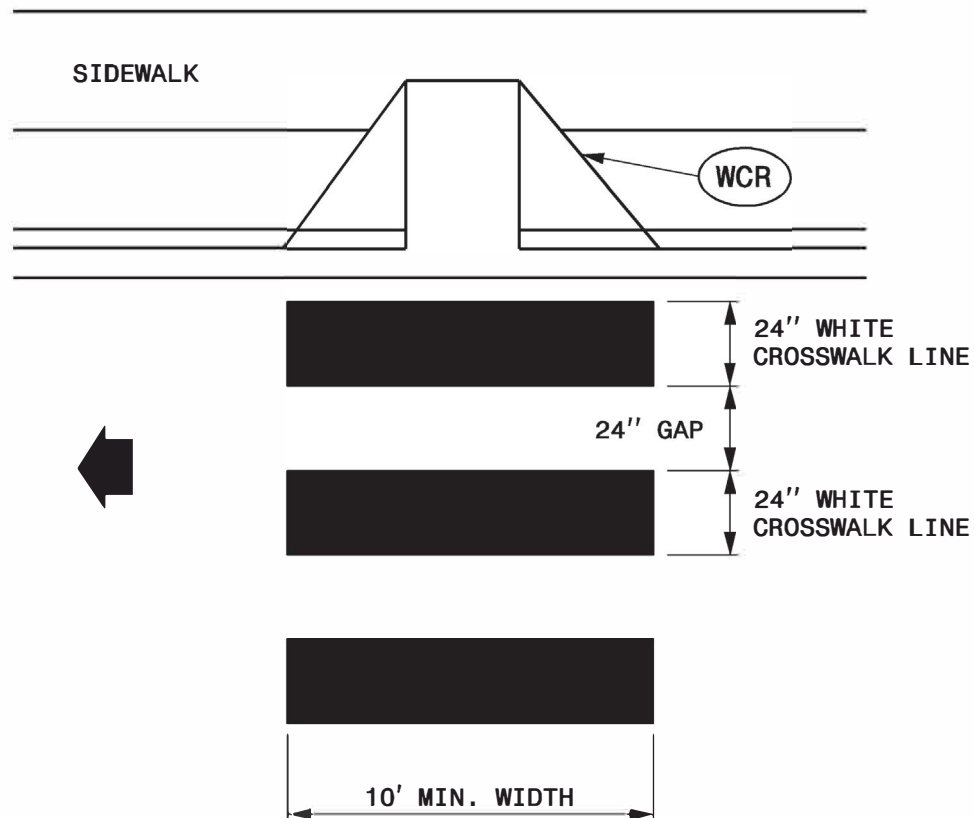
7-06

ENGLISH STANDARD DRAWING FOR
PAVEMENT MARKINGS
PEDESTRIAN CROSSWALKS

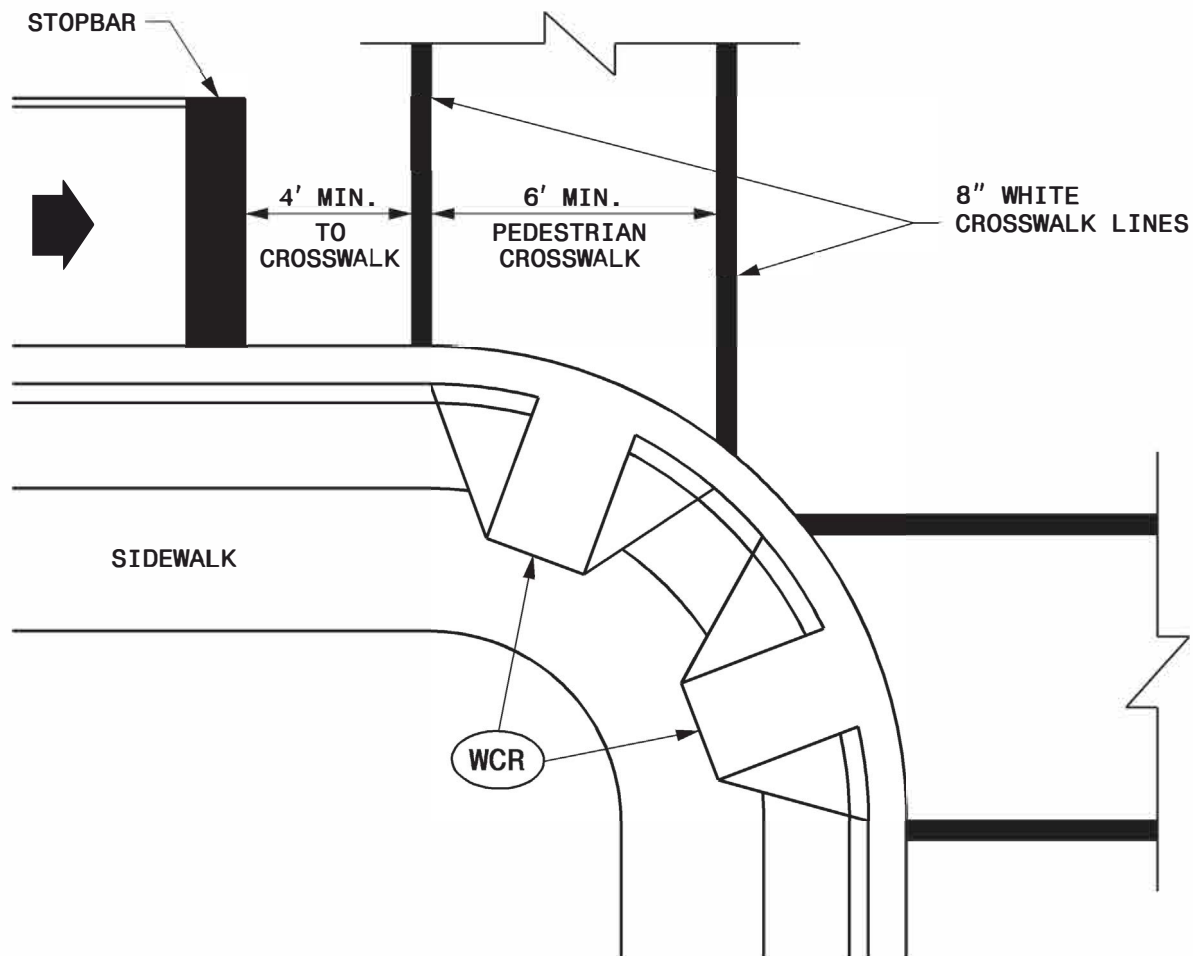
SHEET 1 OF 1

1205.07

HI-VISIBILITY CROSSWALK



STANDARD CROSSWALK



GENERAL NOTES

- 1- THE MINIMUM WIDTH OF STANDARD CROSSWALKS IS 6 FEET. THE MINIMUM WIDTH OF HI-VISIBILITY CROSSWALKS IS 10 FEET.
- 2- CENTER CROSSWALKS TO THEIR CORRESPONDING WHEELCHAIR RAMPS, BUT DO NOT SET THEM WITHIN THE INTERSECTION AREA ESTABLISHED BY BISECTING THE INTERSECTION RADII.
- 3- PLACE STOP BARS A MINIMUM OF 4 FEET FROM NEAREST CROSSWALK LINE, BUT NOT WITHIN THE AREA OF A WHEELCHAIR RAMP. PLACE STOP BARS PARALLEL TO CROSSWALK LINES, BUT CAN BE PLACED PERPINDICULAR TO TRAVEL LANES.
- 4- COORDINATE PLACEMENT OF CROSSWALKS IN ALL CASES WITH THE LOCATION OF WHEELCHAIR RAMPS. (SEE SIGNAL PLANS).

LEGEND



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RALEIGH, N.C.

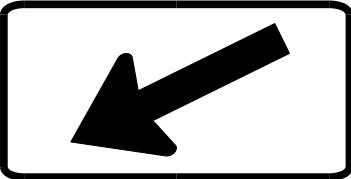
7-06

ENGLISH STANDARD DRAWING FOR
PAVEMENT MARKINGS
PEDESTRIAN CROSSWALKS

SHEET 1 OF 1

1205.07

5/26/20

QUANTITY REQ'D <u>2</u>  36" X 36" W11-2 ONE "U" POSTS PER SIGN COMBINATION	QUANTITY REQ'D <u>2</u>  W16-7P 21" X 15" ONE "U" POSTS PER SIGN COMBINATION					
					TYPE "E" SIGNS	

80-2408J

SIGN	53
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
APPROVED: _____	
DATE: _____	
SEAL: _____	

