81.20, ETC.		STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS MARTIN COUNTY DIVISION COUNTY
CR.10581.	4	#1 NC 125 FROM WILLIAMSTON C/L TO NC 903 #3 NC 125 FROM NC 903 TO HAMILTON WEST C/L ORK: MILLING, RESURFACING AND PAVEMENT MARKINGS MAP #2 NC 125 FROM HAMILTON SOUTH C/L TO NC 903 MAP #4 NC 903 FROM NC 125 TO NORTH HAMILTON C/L ORK:
NO.: IC	NC 903 MAP # 4 NC 125 MAP # 3	NC 125 MAP # 1
WBS	NC 125 MAP # 2	1416 1416 1419 1419
	313	1315 Spring Green Green 1414 1415 1415 1409
VO. :	POINT .	1159 1413 1417 WILLIAM STON POP 5,774
ACT N		Proposed in the Office of a PROJECT LENGTH DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA
SYSTIME \$\$\$\$ \$\$\$\$\$\$\$\$\$\$ ERNAME \$\$\$\$	NOT TO SCALE	MAP#1 WBS# 1CR.10581.20 = 7.50 MILES MAP#2 WBS# 1CR.10581.21 = 0.40 MILES MAP#3 WBS# 1CR.10581.21 = 0.40 MILES MAP#4 WBS# 1CR.10581.22 = 0.40 MILES MAP#4 WBS# 1CR.10581.22 = 0.40 MILES C.E. SLACHTA DIVISION PROPOSALS ENGINEER

MARTIN COUNTY LOCATION: MAP #5 SR H69 FROM NC 125 TO US 64 ALT MAP #6 SR 1180 FROM SR 1124 TO SR 1123 TYPE OF WORK: MILLING, RESURFACING AND PAVEMENT MARKINGS SR 1180 MAP # 6 SR 1180 MAP # 6 SR 1180 MAP # 6 DIVISION OF HIGHWAYS STATE OF MORTH-CHARLING	1.20, ETC.		STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS MARTIN COUNTY	N.C. 1CR.10581.20, ETC. 2
1409 1123 1133 11409 1169 1180	C.R.	TYPI	MAP #6 SR 1180 FROM SR 1124 TO SR 1123	SR 1180 MAP # 6
1169	S NO.:		109 64 A 07 128 1123 44 1180 1181 1182 18 125 1178	1128 N 16 SUS 17 14 1124
2006 STANDARD SPECIFICATIONS		1169	SR 1169 MAP # 5 PROJECT LENGTH Proposed in the Office di. DIVISION OF HIGHWAYS	8 19

1CR.10581.20, ETC.	LOCATION: MAP #	STATE OF NORTH DIVISION OF H MARTIN C 7 SR 1001 FROM US17 TO NORTH CL	IGHWAYS	N.C. 1CR.10581.20, ETC. 3 WHEN TOTAL STREETS N.C. 1CR.10581.20, ETC. 3 WHEN TOTAL STREETS WHEN PROLING RAPPORTED TO STREET STREETS RTH C/L TO SOUTH C/L
WBS NO.: ICR.10		SR 1108 FROM SR 1001 TO SR 1109 MILLING, RESURFACING AND 11131 1128 1137 1130 1129 1132 1132		SR 1001 MAP # 7
SSSSSSTMESSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	SR 1108 MAP # 9	## 1106 1001	Proposed in the Office of: DIVISION OF HIGHWAYS W.B. HOBBS, P.E. DIVISION PROPOSALS ENGINEER C.E. SLACHTA DIVISION PROPOSALS ENGINEER	DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. SHEET NO.

1CR.10581.20, ETC. 4

·	PAVEMENT SCHEDULE
C1	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ.YD.
V1	MILLING ASPHALT PAVEMENT 2.0" DEPTH
U	EXISTING PAVEMENT

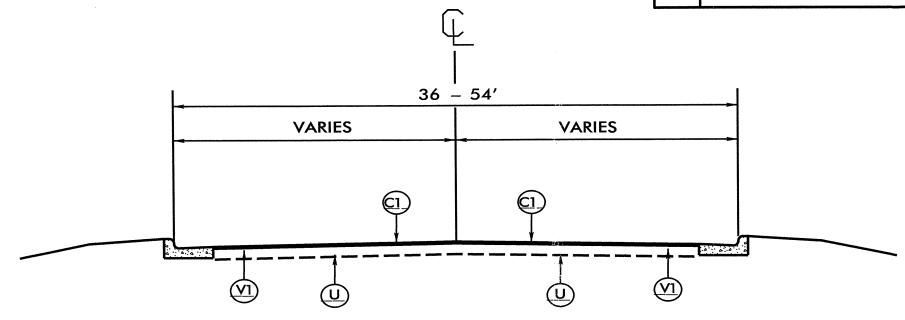
1. ALL PAVED S.R. ROADS TO BE MILLED, RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER

2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES

NOTES:

3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS



TYPICAL SECTION #1

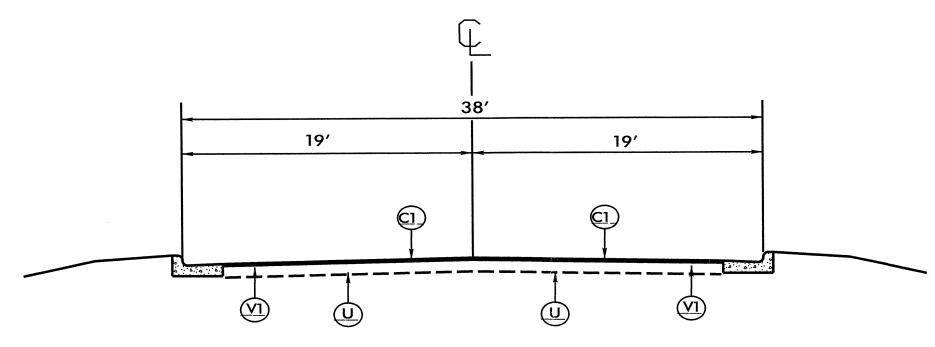
USE WITH MAP #2,3 & 4

NOTES:

- 1. ALL PAVED S.R. ROADS TO BE MILLED, RESURFACED TO THE ENDS
 OF THE RADII OR AS DIRECTED BY THE ENGINEER
- 2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
- 3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
- 4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.20, ETC.	5

PAVEMENT SCHEDULE				
C1	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE TYPE SF9.5A, AT AN AVERAGE RATE OF 220 LBS. PER SQ.YD.			
V1	MILLING ASPHALT PAVEMENT 2" DEPTH			
U	EXISTING PAVEMENT			



TYPICAL SECTION #2

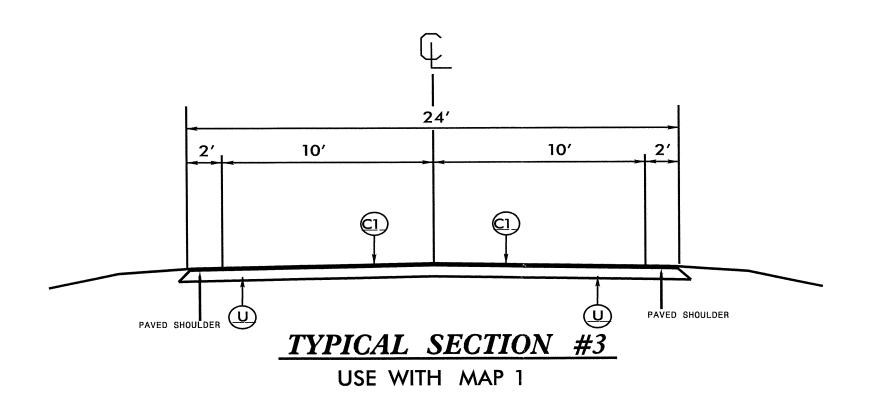
USE WITH MAP #8

NOTES:

- 1. ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
- 2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
- 3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
- 4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.20, ETC.	6

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
U	EXISTING PAVEMENT.

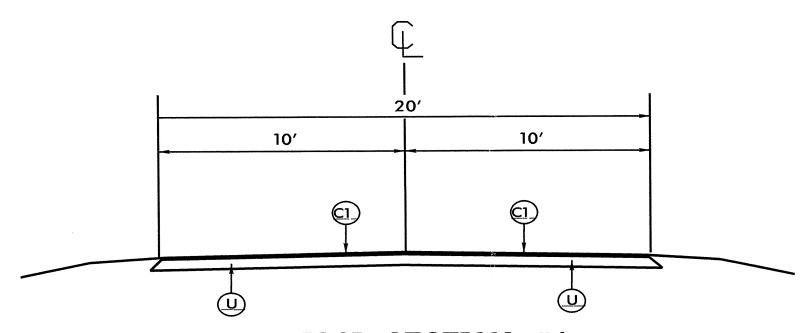


NOTES:

- 1. ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
- 2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
- 3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
- 4. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.10581.20, ETC.	7

PAVEMENT SCHEDULE				
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.			
U	EXISTING PAVEMENT.			



TYPICAL SECTION #4
USE WITH MAP 5, 6, 7 & 9

SIDEWALK (5' STD.)

0.01 (MIN.) 0.04 (MAX.) -0.02 (NORM.)

12:1 MAX. RAMP

TOP OF CURB

GUTTER

NOTE: A PORTION OF ONE OR BOTH RAMPS MAY EXTEND OUTSIDE THE RETURN.

EXPANSION JOINT

(SEE STD. 848.01)

EXPANSION JOINT

(SEE STD. 846.01)

SIDEWALK

UTILITY STRIP

2' DETECTABLE 0.02 (MIN.)
WARNING DOMES 0.08 (MAX.)
1 0.04 (NORM.

TRANSITION

VARIABLE SLOPES NOT TO EXCEED 12:1 (8.33%)

SEE NOTE 1

EXPANSION JOINT (SEE STD. 846.01)

SECTION B-B

SECTION A-A

TRANSITION

SIDEWALK

DUAL RAMPS

ANY RADII

(40" MIN. FLOOR WIDTH)

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

GUTTER RAMP AND CURB

FOR

DRAWING CHAIR DETAIL WHEEL ENGLISH

PROPOSED

PLAN VIEW

SEE NOTE 1

12 & 17

SHEET 1 OF 3 848D05

BACK OF SIDEWALK DROP **

NOTES:

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PROPOSED

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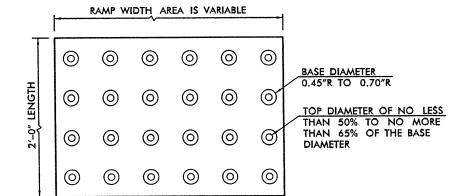
RAMP

SHEET 1 OF 3

848D05

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

- 1. DETECTABLE WARNING DOMES SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
- 2. OBTAIN 70% CONTRAST VISIBILITY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

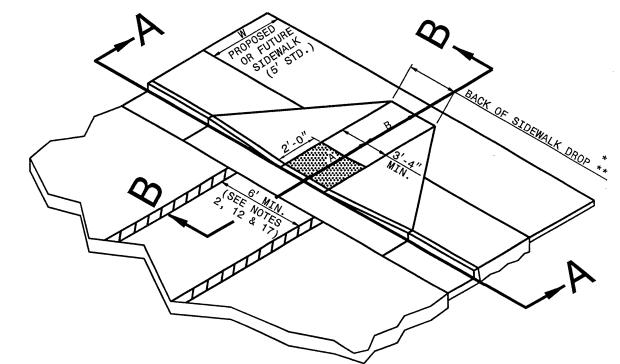


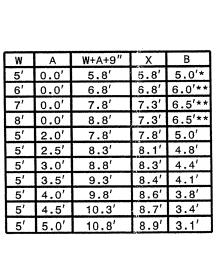
0.9" TO	0.65" MIN.	20″	1.6" TO 2.4"	1
V. D. O. V.			V P	9
.0.0.0.0	7 0	. 8.	٥.٠٥.٠٥	٠.٥

DETECTABLE WARNING DOMES

	W	Α	W+A+9"	Χ	В
I	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'**
I	5′	2.0'	7.8'	7.8'	5.0'
I	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'

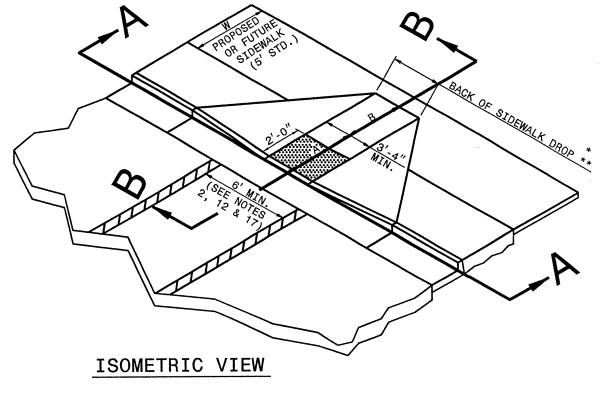
- B = DISTANCE FROM FRONT EDGE OF SIDEWALK
- * BACK OF SIDEWALK DROP REQUIRED FOR ALL SIDEWALK SLOPES.
- SIDEWALK SLOPES 0.04.





B = X - (A+9'')

- TO BACK POINT OF 12:1 (8.33%) SLOPE.
- ** BACK OF SIDEWALK DROP REQUIRED FOR



THIS PORTION OF RAMP MUST FALL WITHIN CROSSWALK LIMITS. (SEE NOTE 13)

DROP CURB (STD. 2'-6" CURB & GUTTER SHOWN)

SIDEWALK ELEVATION

SPORTATION HIGHWAYS

DEPT. OF TRANS DIVISION OF RALEIGH,

GUTTER

AND

CURB

PROPOSED

RAMP

WHEELCHAIR

STATE NORTH CAF

FOR

DRAWING

ENGLISH DETAIL

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

ENGLISH DETAIL DRAWING

WHEELCHAIR RAMP **FOR**

PROPOSED

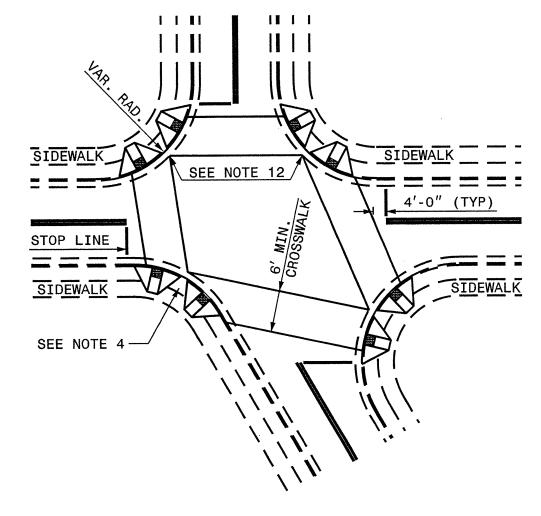
CURB

AND

GUTTER

1 1 11 11 | 1 SEE NOTE 4 SIDEWALK SIDEWALK 6' MIN. CROSSWALK SEE NOTE 12 SEE NOTE 3 STOP LINE

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



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

ROADWAY PLAN SYMBOL (WCR) FOR PROPOSED WHEELCHAIR RAMP

PROPOSED WHEELCHAIR RAMP PROPOSED OR FUTURE SIDEWALK

ALLOWABLE LOCATIONS DUAL RAMP RADII.....ANY

SHEET 2 OF 3

848D05

SHEET 2 OF 3

848D05

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

> GUTTER RAMP AND IR CURB CHA

FOR

DRAWING

DETAIL

ENGLISH

Ш WHE **PROPOS**

SHEET 3 OF 3

848D05

NOTES:

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STATE OF NORTH CAROLINA T. OF TRANSPORTATION VISION OF HIGHWAYS

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FOR

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CURB

AND

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RAMP

- CONSTRUCT THE WALKING SURFACE WITH SLIP RESISTANTANCE AND A 70% CONTRASTING COLOR TO THE SIDEWALK.
- CROSSWALK WIDTHS AND CONFIGURATION VARY BUT MUST CONFORM TO TRAFFIC DESIGN STANDARDS.
- 3. NORTH CAROLINA GENERAL STATUTE 136-44.14 REQUIRES THAT ALL STREET CURBS BEING CONSTRUCTED OR RECONSTRUCTED FOR MAINTENANCE PROCEDURES, TRAFFIC OPERATIONS, REPAIRS, CORRECTION OF UTILTIES OR ALTERED FOR ANY REASON AFTER SEPTEMBER 1, 1973 SHALL PROVIDE WHÉELCHAIR RAMPS FOR THE PHYSICÁLLY DISABLED AT ALL INTERSECTIONS WHERE BOTH CURB AND GUTTER AND SIDEWALKS ARE PROVIDED AND AT OTHER POINTS OF PEDESTRIAN FLOW.

IN ADDITION, SECTION 228 OF THE 1973 FEDERAL AID HIGHWAY SAFETY ACT REQUIRES PROVISION OF CURB RAMPS ON ANY CURB CONSTRUCTION AFTER JULY 1.1976 WHETHER A SIDEWALK IS PROPOSED INITIALLY OR IS PLANNED FOR A FUTURE DATE.

THE AMERICANS WITH DISABILITIES ACT (ADA) OF 1990 EXTENDS TO INDIVIDUALS WITH DISABILITIES. COMPREHENSIVE CIVIL RIGHTS PROTECTIONS SIMILIAR TO THOSE PROVIDED TO PERSONS ON THE BASIS OF RACE, SEX, NATIONAL ORIGIN AND RELIGION UNDER THE CIVIL RIGHTS ACT OF 1964. THESE CURB RAMPS HAVE BEEN DESIGNED TO COMPLY WITH THE CURRENT ADA STANDARDS.

- PROVIDE WHEELCHAIR RAMPS AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. LOCATE WHEELCHAIR RAMPS AS DIRECTED BY THE ENGINEER WHERE EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. AFFECT PLACEMENT. WHERE TWO RAMPS ARE INSTALLED PLACE NOT LESS THAN 2 FEET OF FULL HEIGHT CURB BETWEEN THE RAMPS. PLACE DUAL RAMPS AS NEAR PERPENDICULAR TO THE TRAVEL LANE BEING CROSSED AS POSSIBLE.
- 5. DO NOT EXCEED 0.08 (12:1) SLOPE ON THE WHEELCHAIR RAMP IN RELATIONSHIP TO THE GRADE OF THE STREET.
- 6. CONSTRUCT WHEELCHAIR RAMPS 40" (3'-4") OR GREATER FOR DUAL RAMPS.
- 7. USE CLASS "B" CONCRETE WITH A SIDEWALK FINISH IN ORDER TO OBTAIN A ROUGH NON-SKID TYPE SURFACE.
- 8. PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE WHEELCHAIR RAMP JOINS THE CURB AND AS SHOWN ON STD. DWG. 848.01.
- PLACE THE INSIDE PEDESTRIAN CROSSWALK LINES NO CLOSER IN THE INTERSECTION BY BISECTING THE INTERSECTION RADII. WITH ALLOWANCE OF A 4' CLEAR ZONE IN THE VEHICULAR TRAVELWAY WHEN ONE RAMP IS INSTALLED. (SEE NOTE 17)
- 10. COORDINATE THE CURB CUT AND THE PEDESTRIAN CROSSWALK LINES SO THE FLOOR OF THE WHEELCHAIR RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES. PLACE DIAGONAL RAMPS WITH FLARED SIDES SO 24" OF FULL HEIGHT CURB FALLS WITHIN THE CROSSWALK MARKINGS ON EACH SIDE OF THE FLARES.
- 11. CONSTRUCT THE PEDESTRIAN CROSSWALK A MINIMUM OF 6 FEET. A CROSSWALK WIDTH OF 10 FEET OR GREATER IS DESIRABLE.
- USE STOP LINES, NORMALLY PERPENDICULAR TO THE LANE LINES, WHERE IT IS IMPORTANT TO INDICATE THE POINT BEHIND WHICH VEHICLES ARE REQUIRED TO STOP IN COMPLIANCE WITH A TRAFFIC SIGNAL, STOP SIGN OR OTHER LEGAL REQUIREMENT. AN UNUSUAL APPROACH SKEW MAY REQUIRE THE PLACEMENT OF THE STOP LINE TO BE PARALLEL TO THE INTERSECTING ROADWAY.
- 13. TERMINATE PARKING A MINIMUM OF 20 FEET BACK OF PEDESTRIAN CROSSWALK.
- PLACE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION AND THE NORTH CAROLINA SUPPLEMENT TO THE MUTCD.

SHEET 3 OF 3

848D05

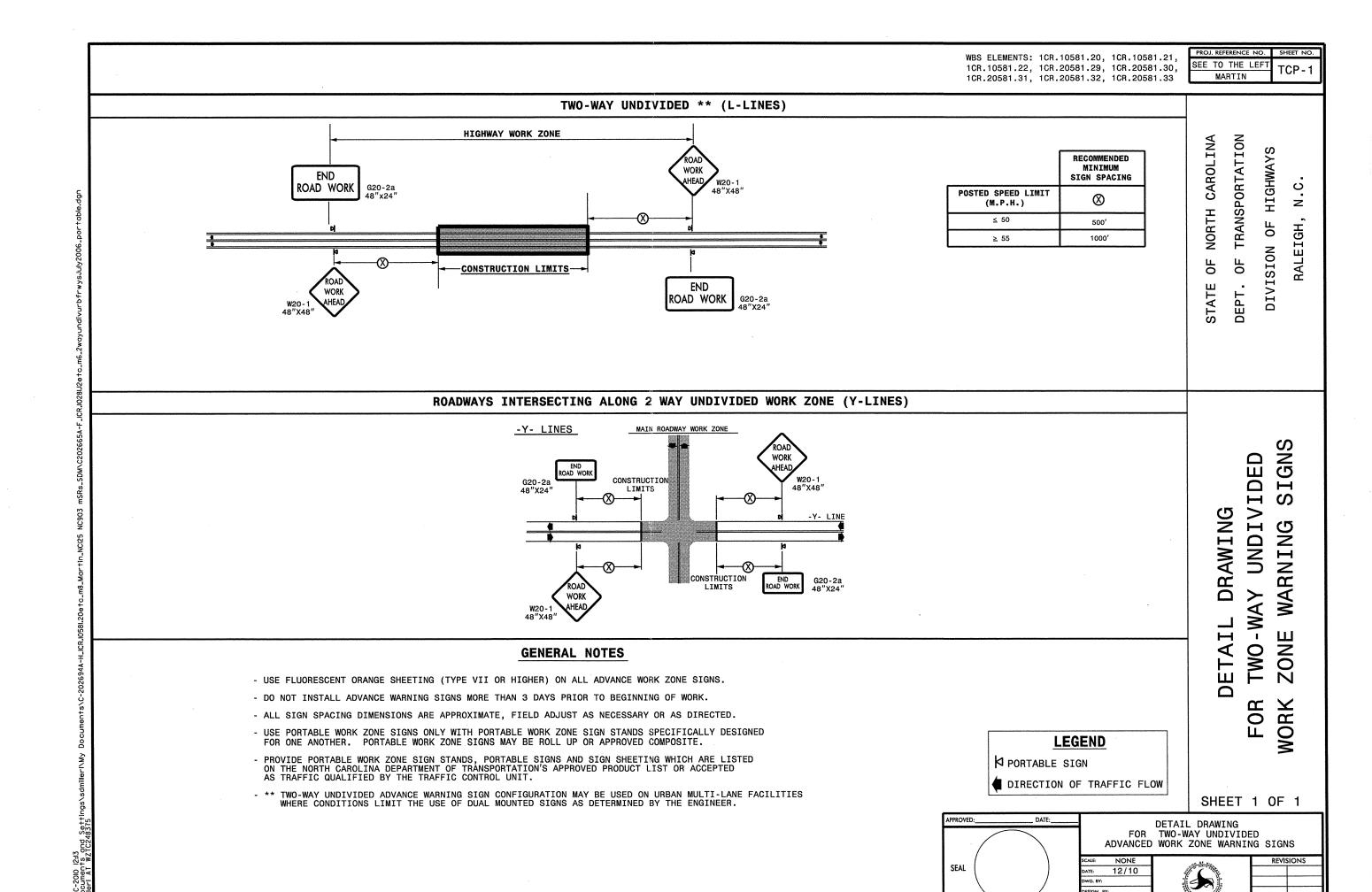
PROJECT NO.	SHEET NO.	TOTAL NO.
1CR.10581.20, ETC.	11	

SUMMARY OF QUANTITIES

			•						0000100000-N	1237000000-E	1519000000-E	1525000000-E	1560000000-E	2549000000-E	2605000000-E	2830000000-N	2845000000-N
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH	WIDTH	MOBILIZATION	MILLING ASPHALT PAVEMENT 2" DEPTH	SURFACE COURSE, S9.5B	SURFACE COURSE, SF9.5A	PG 64-22 PLANT MIX	2'-6" CURB & GUTTER	WHEELCHAIR RAMPS	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX
NO		NO			NO		MI	FT		SY	TONS	TONS	TONS	LF	EA	EA	EA
1CR.10581.20	Martin	1	NC 125	FROM WILLIAMSTON C/L TO NC 903	3	NO	7.5	24	0.44		9,808		588				
1CR.10581.21	Martin	2	NC 125	HAMILTON SOUTH C/L TO NC 903	1	NO	0.4	50	0.02	11,733	1,450		87	580	2	10	4
1CR.10581.21	Martin	3	NC 125	FROM NC 903 TO WEST C/L OF HAMILTON	1	NO	0.4	36	0.02	8,448	1,046		63			11	3
1CR.10581.22	Martin	4	NC 903	FROM NC 125 TO HAMILTON NORTH C/L	11	NO	0.4	54	0.02	12,672	1,566		94	320	2		
1CR.20581.29	Martin	5	SR 1169	FROM NC 125 TO US 64 ALT.	4	NO	0.73	20	0.04			782	51				
1CR.20581.30	Martin	6	SR 1180	FROM SR 1124 TO SR 1123	4	NO	0.45	20	0.03			482	31				
1CR.20581.31	Martin	7	SR 1001	FROM US 17 TO NORTH C/L	44	NO	5.5	20	0.32			5,893	383				
1CR.20581.32	Martin	8	SR 1001	FROM NORTH C/L TO SOUTH C/L	2	NO	0.53	38	0.03	12,996		1,436	93			6	6
1CR.20581.33	Martin	9	SR 1108	FROM SR 1001 TO SR1109	4	NO	1.2	20	0.07		<u> </u>	1,286	84				
											γ	·		,	r		T
GRAND TOTAL						17.11		1	45,849	13,870	9,879	1,474	900	4	27	13	

THERMOPLASTIC AND PAINT QUANTITIES

			458900000-N 4710000000-E 472500000-E				0000-E	481000	0000-E	4820000000-E	4900000000-N	
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	GENERIC TRAFFIC CONTROL ITEM	24" X 120 M WHITE THERMO	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	4" YELLOW PAINT	4" WHITE PAINT	8 " WHITE PAINT	YELLOW & YELLOW MARKERS
NO		NO			LS	LF	EA	EA	LF	EA	EA	EA
1CR.10581.20	Martin	1	NC 125	FROM WILLIAMSTON C/L TO NC 903	1.00		10	11	127,638	164,400	50	750
1CR.10581.21	Martin	2	NC 125	HAMILTON SOUTH C/L TO NC 903	*	45			6,780	4,292		40
1CR.10581.21	Martin	3	NC 125	FROM NC 903 TO WEST C/L OF HAMILTON	*				6,780	4,292		40
1CR.10581.22	Martin	4	NC 903	FROM NC 125 TO HAMILTON NORTH C/L	*	45			6,780	4,292		40
1CR.20581.29	Martin	5	SR 1169	FROM NC 125 TO US 64 ALT.	*				17,280	19,272		
1CR.20581.30	Martin	6	SR 1180	FROM SR 1124 TO SR 1123	*				5,940	9,684		
1CR.20581.31	Martin	7	SR 1001	FROM US 17 TO NORTH C/L	*				79,860	128,596		
1CR.20581.32	Martin	8	SR 1001	FROM NORTH C/L TO SOUTH C/L	*				13,992			
1CR.20581.33	Martin	9	SR 1108	FROM SR 1001 TO SR1109	*				17,424	28,406		
GRAND TOTAL					10	11	282,474	363,234				
			1	90	21		645,708		50	870		





- (1) THE FOLLOWING OPTIONS MAY BE USED FOR ADVANCE WARNING SIGNS:
 - A. TRUCK MOUNTED SIGNS
 - B. TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (CMS)
 - C. GROUND MOUNTED ADVANCE WARNING SIGNS (MUST CIRCLE TO PICK UP SIGNS)
 - D. GROUND MOUNTED CHANGEABLE MESSAGE SIGN (CMS)
 (MUST USE CIRCLE TO PICK UP SIGNS)
- (2) ALL ADVANCE WARNING SIGNS MUST BE 48" X 48" WITH FLUORESCENT ORANGE TYPE VII, VIII OR IX SHEETING. IF SPACE LIMITATIONS ON SHOULDER PROHIBIT A 48" X 48" SIGN, A SMALLER SIGN CAN BE USED WITH APPROVAL FROM ENGINEER.
- (3) SIGNS ON VEHICLES SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND AND SHOULD NOT BLOCK THE MOTORIST'S SIGHT OF THE FLASHING ARROW PANEL AND/OR LIGHTBAR.
- (4) GROUND MOUNTED ADVANCED WARNING SIGNS SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND TO BOTTOM OF SIGN.
- (5) SIGN SPACING SHOULD BE ADJUSTED FOR HORIZONTAL AND VERTICAL CURVES, ETC. TO IMPROVE SIGHT DISTANCES.
- (6) ADDITIONAL VEHICLES SHOULD BE USED IN WORK CARAVAN TO FACILITATE DRYING OF PAVEMENT MARKING MATERIAL (TMIA'S ARE OPTIONAL ON THESE ADDITIONAL VEHICLES). HOWEVER, THE FIRST VEHICLE MOTORISTS SEE IN THE TRAVEL LANE SHALL HAVE A TMIA.

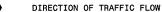
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W26-1CSP

- (7) ADJUST DISTANCE AS NEEDED TO PREVENT MOTORISTS FROM ENTERING SPACE BETWEEN THE APPLICATION AND PROTECTION VEHICLE. DISTANCE CAN BE LENGTHENED TO ACCOMODATE SIGHT DISTANCE NEEDS.
- (8) ROUND UP MILEAGE TO NEXT WHOLE MILE. WORK ZONE SHOULD NOT EXCEED FIVE (5) MILES IN LENGTH.
- (9) RADIO COMMUNICATION BETWEEN VEHICLES IS REQUIRED.
- (10) USE OF A LIGHT BAR ON ALL VEHICLES IS PREFERRED, BUT A ROTATING BEACON MAY BE USED INSTEAD.
- (11) IF WORK IS PERFORMED AT NIGHT, THE WORK AREA MUST BE ILLUMINATED WITH MACHINE AND/OR TOWER LIGHTS AS
- (12) ALL TRAFFIC CONTROL DEVICES WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS FOR PAVEMENT MARKING AND MARKERS.
- (13) INFORMATIONAL SIGNS SHOULD BE ACTIVITY SPECIFIC, i.e.
 "PAINT CREW IN ROAD". SIGNS MAY BE RECTANGULAR OR DIAMOND SHAPE.
 SIGN SIZE SHOULD BE BASED ON THE MOTORIST ABILITY TO RECOGNIZE
 SIGN WHEN TRAVELING FIVE (5) MILES ABOVE POSTED SPEED LIMIT.
- (14) IF A LEAD VEHICLE IS ADDED TO OPERATION, IT SHOULD HAVE THE SAME ADVANCE WARNING SIGNS AS THE APPLICATION VEHICLE SHOWN BELOW.

LEGEND

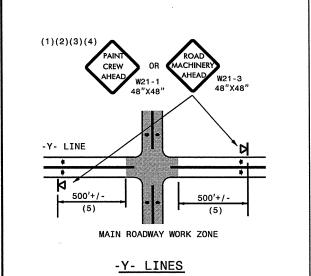
PORTABLE SIGN. SIGNS MUST BE NCHRP-350 AND NCDOT APPROVED.

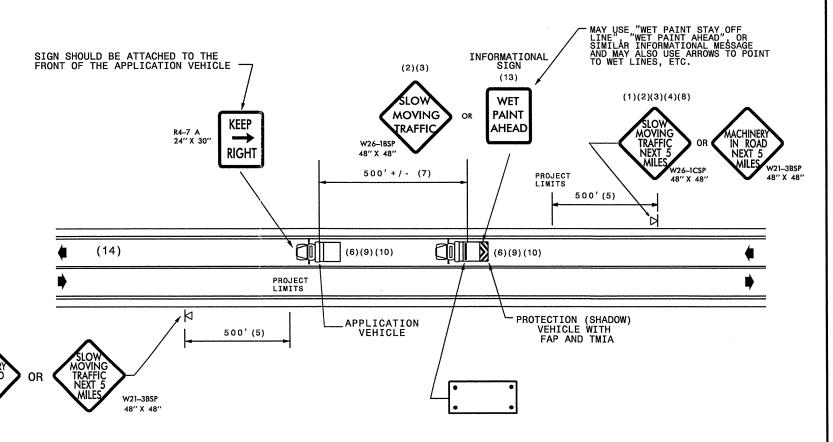


APPLICATION VEHICLE

PROTECTION VEHICLE WITH TRUCK
MOUNTED IMPACT ATTENUATOR (TMIA)
AND LIGHT BAR (SEE ROADWAY
STANDARD NO. 1165.01). TMIA MUST
BE NCHRP-350 TEST LEVEL 3 (60+MPH)

FLASHING ARROW PANEL,
TYPE "B" (60"X30" MIN.),
"CAUTION MODE"





MOVING OPERATION CARAVAN

(OPERATIONS TRAVELING 3 MPH OR FASTER)
PLACING PAVEMENT MARKING OR MARKERS
ON TWO-LANE TWO-WAY ROADWAYS

DRAWING NUMBER 6
IMPLEMENTATION DATE: 07/01/97
REVISED: 11/03/04