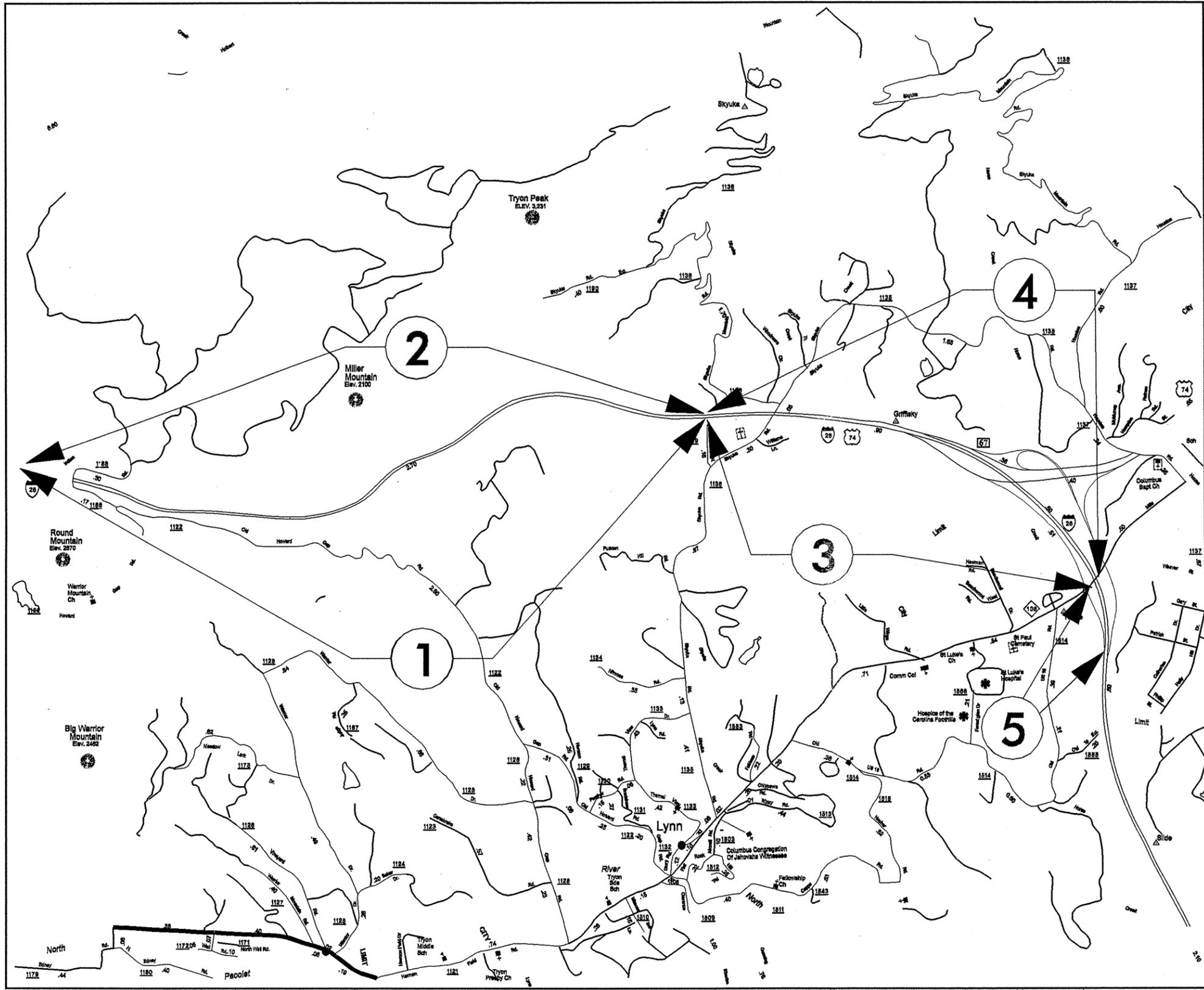


050197

I-5100 POLK COUNTY

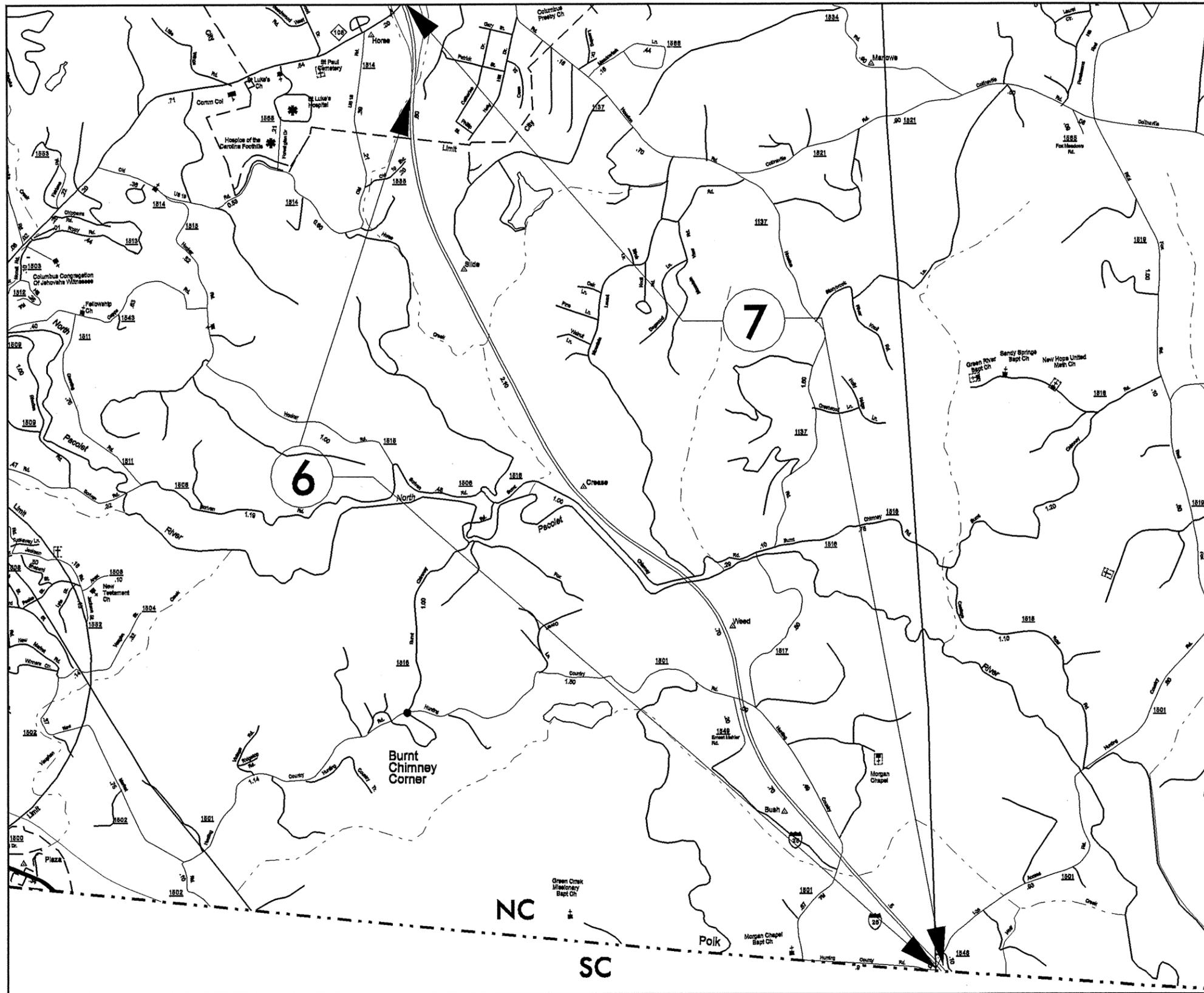
PROJECT REFERENCE NO.		SHEET NO.
I-5100 (41860.3.1)		1 OF 10
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION



050197

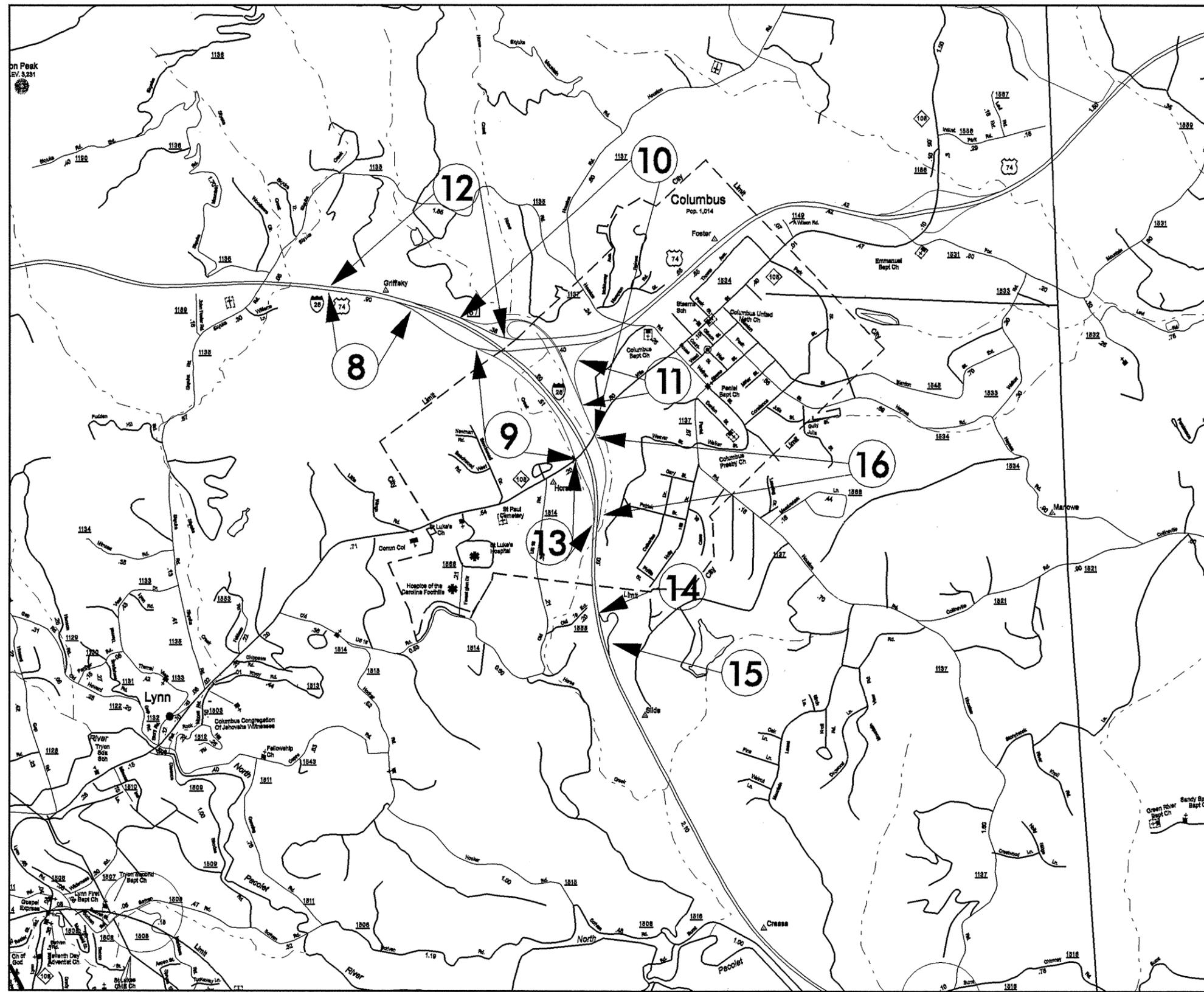
I-5100 POLK COUNTY

PROJECT REFERENCE NO.		SHEET NO.
I-5100 (41860.3.1)		2 OF 10
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION



I-5100 POLK COUNTY

PROJECT REFERENCE NO.		SHEET NO.
I-5100 (41860.3.1)		3 OF 10
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION

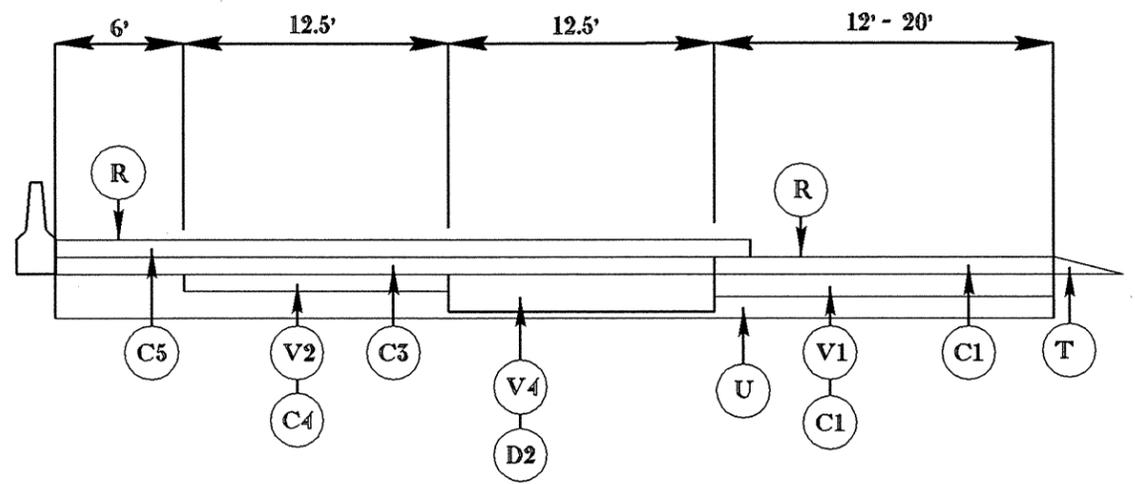


050127

PROJECT REFERENCE NO.		SHEET NO.
I-8100		4 OF 10
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
41860.1.3		

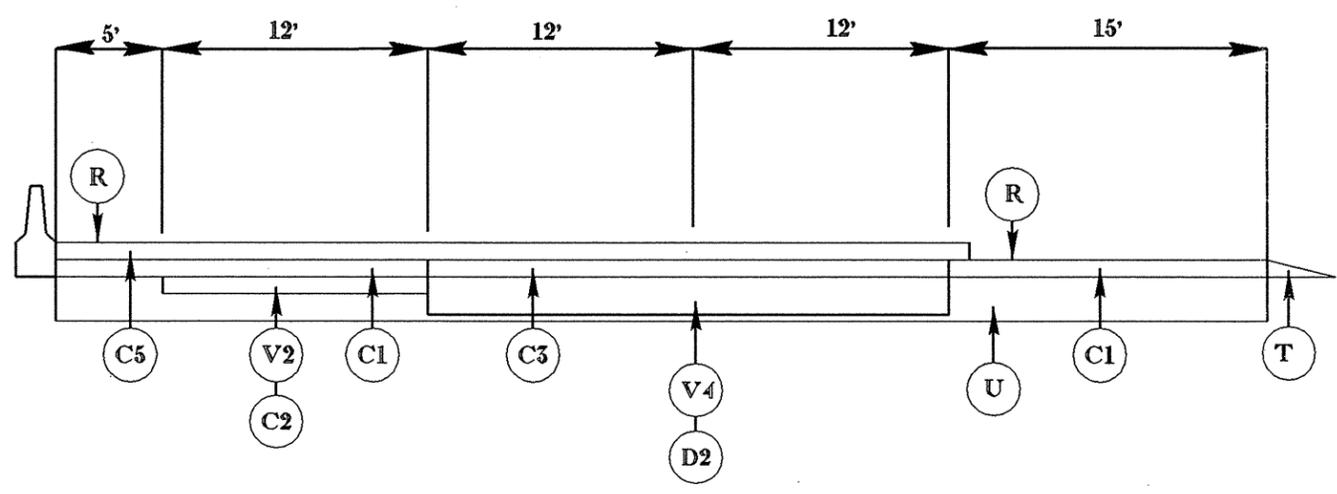
TYPICAL 1

Map #1 Sta. 00+00 - 166+60



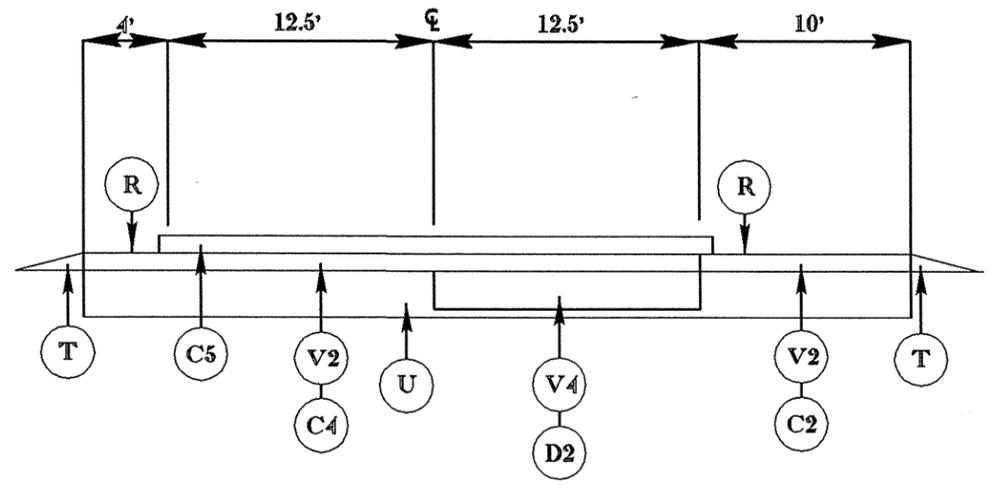
TYPICAL 2

Map #2 Sta. 166+60 - 00+00



TYPICAL 3

Map #3 Sta. 166+60 - 261+10
 Map #4 Sta. 261+10 - 166+60
 Map #5 Sta. 261+10 - 279+50
 Map #7 Sta. 485+10 - 261+10

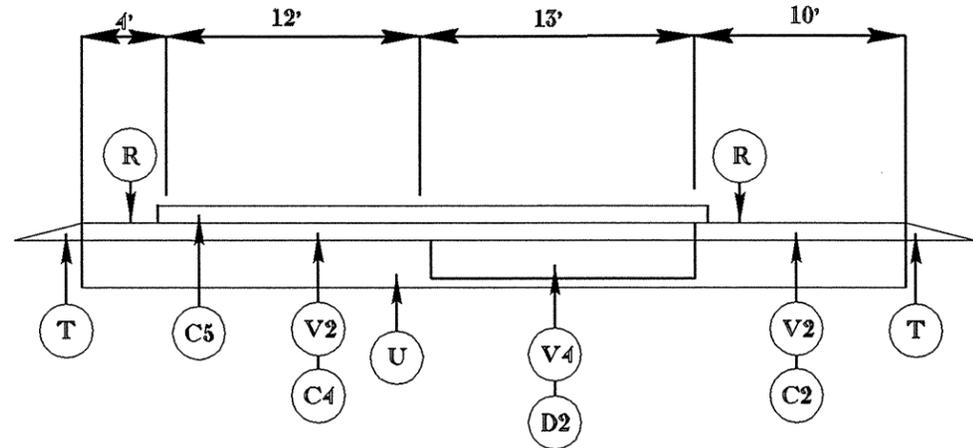


050197

PROJECT REFERENCE NO.		SHEET NO.
I-8100		5 OF 10
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
41860.1.3		

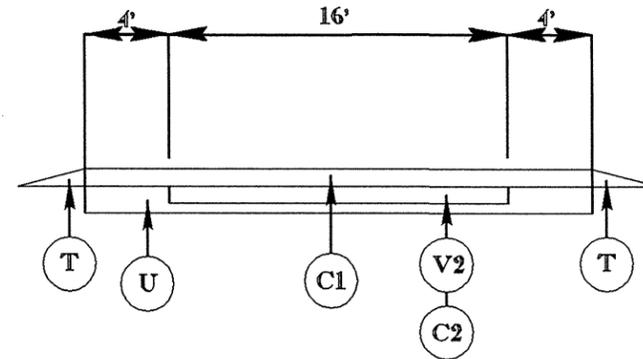
TYPICAL 4

Map #6 Sta. 279+50 - 485+10



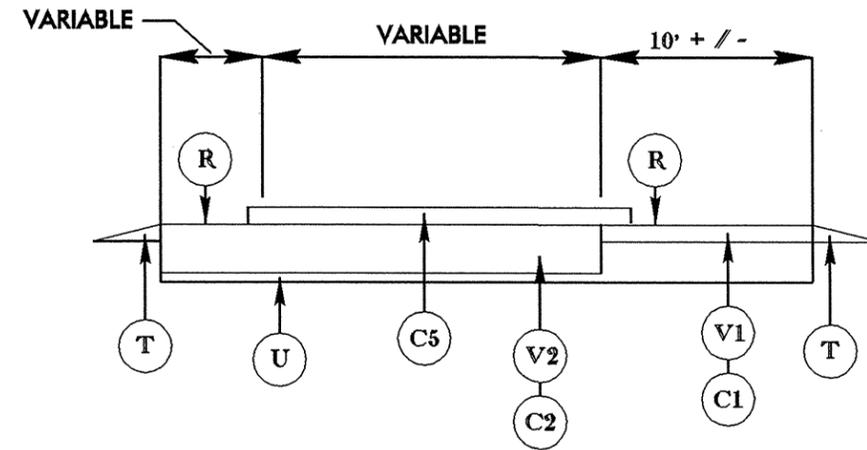
TYPICAL 6

Map #9 Sta. 0+00 - 26+10



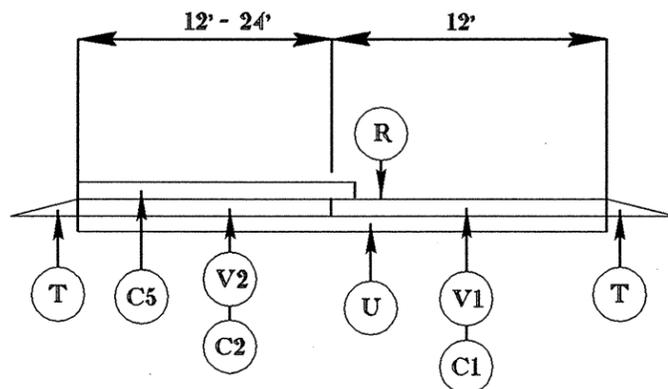
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Map #10 Sta. 46+10 - 0+00



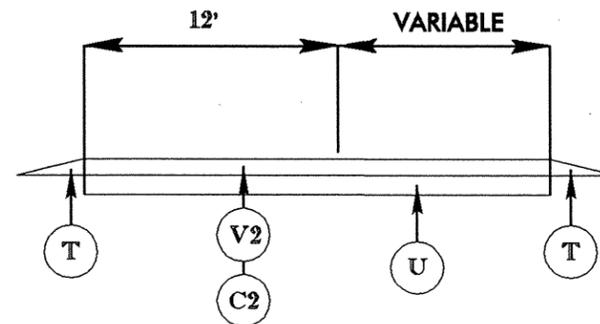
TYPICAL 5

Map #8 Sta. 0+00 - 26+10



TYPICAL 8

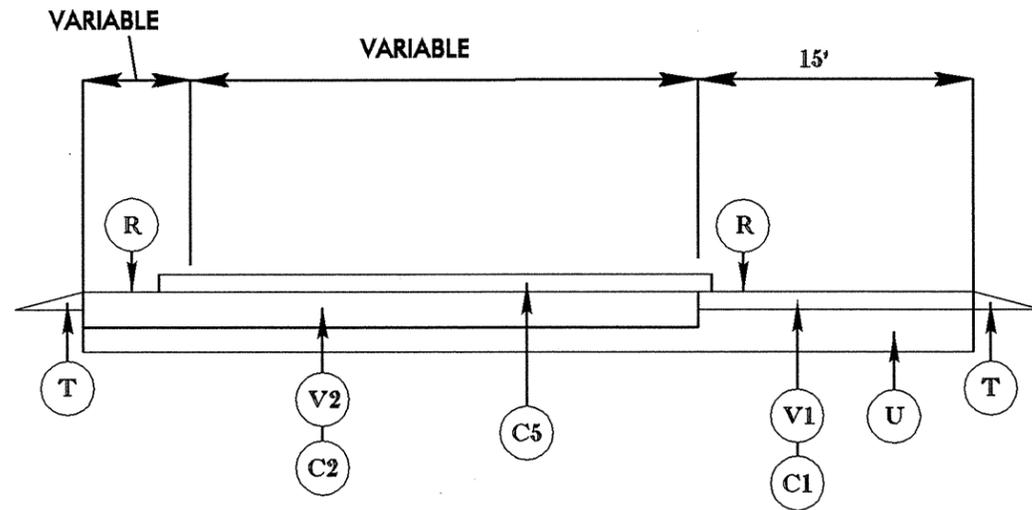
Map #11 Sta. 0+00 - 6+10



PROJECT REFERENCE NO.		SHEET NO.
I-9100		6 OF 10
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
41860.1.3		

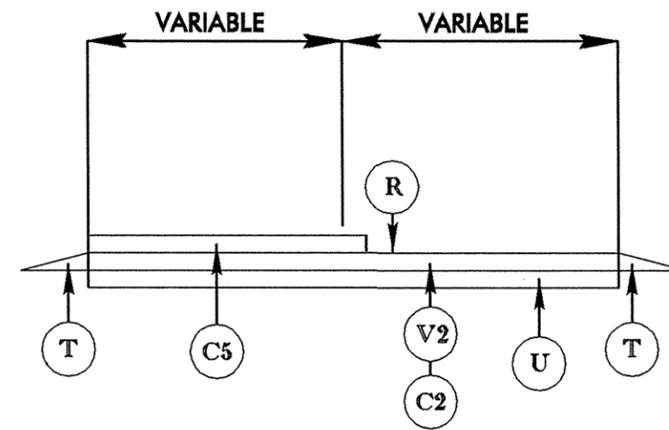
TYPICAL 9

Map #12 Sta. 0+00 - 38+50



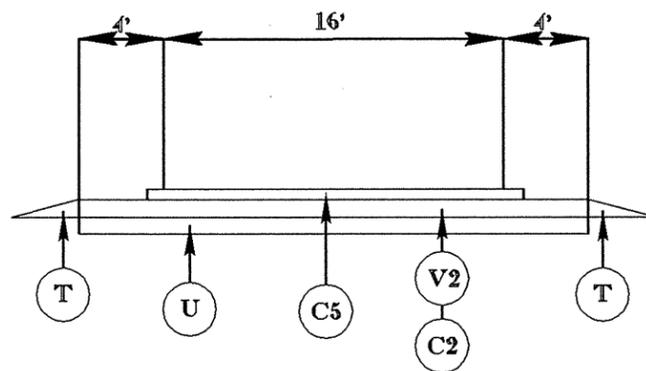
TYPICAL 11

Map #15 Sta. 0+00 - 15+65



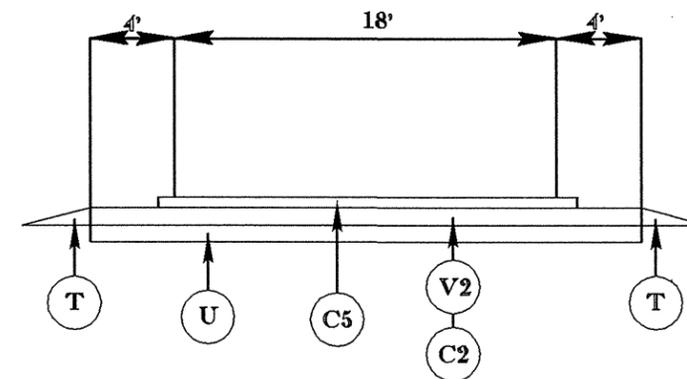
TYPICAL 10

Map #13 Sta. 0+00 - 16+35



TYPICAL 12

Map #16 Sta. 0+00 - 20+50



050197

PROJECT REFERENCE NO.		SHEET NO.
I-5100		7 OF 10
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
41860.1.3		

SURFACING SCHEDULE

ITEM NO	DESCRIPTION
C1	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. (1 1/2")
C2	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD. (2")
C3	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. (1 1/2")
C4	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD. (2")
C5	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-2 MODIFIED AT AN AVERAGE RATE OF 90 LBS. PER SQ. YD.
D2	ASPHALT CONCRETE INTERMED. COURSE, TYPE I19.0D, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD. (3")
V1	MILLING ASPHALT PAVEMENT 1 1/2" IN DEPTH AS DIRECTED BY PROJECT ENGINEER.
V2	MILLING ASPHALT PAVEMENT 2" IN DEPTH AS DIRECTED BY PROJECT ENGINEER.
V3	MILLING ASPHALT PAVEMENT 2 1/2" IN DEPTH AS DIRECTED BY PROJECT ENGINEER.
V4	MILLING ASPHALT PAVEMENT 3" IN DEPTH AS DIRECTED BY PROJECT ENGINEER.
R	MILLED RUMBLE STRIPS
T	SHOULDER RECONSTRUCTION WITH ABCM AS DIRECTED BY PROJECT ENGINEER - SEE SPECIAL PROVISIONS
U	EXISTING PAVEMENT

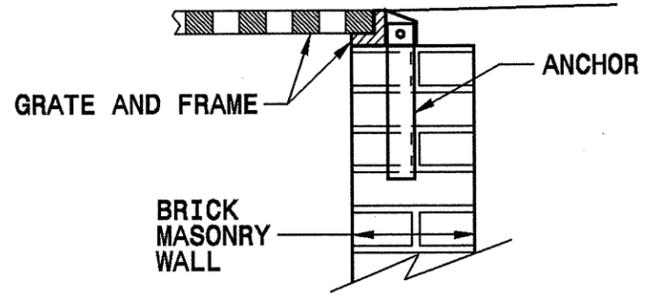
NOTE: OGAF C SHALL OVERLAP SHOULDER 1'

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

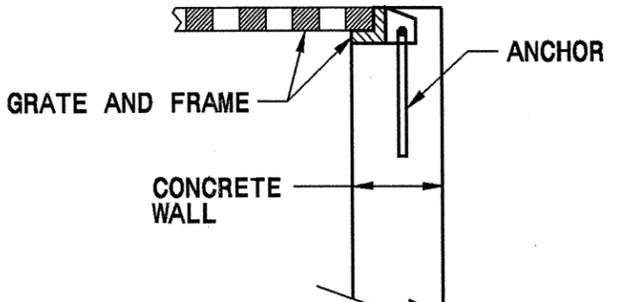
ENGLISH DETAIL DRAWING FOR
ANCHORAGE FOR FRAMES
BRICK/CONCRETE/PRECAST CONCRETE

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

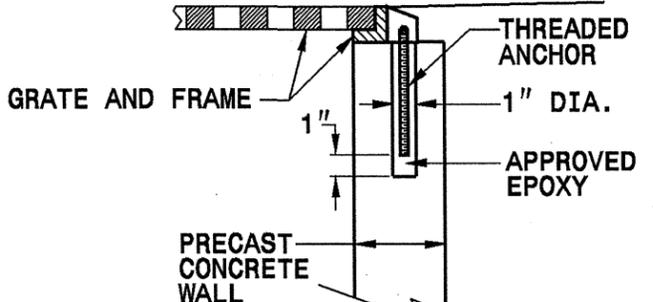
ENGLISH DETAIL DRAWING FOR
ANCHORAGE FOR FRAMES
BRICK/CONCRETE/PRECAST CONCRETE



BRICK MASONRY CONSTRUCTION



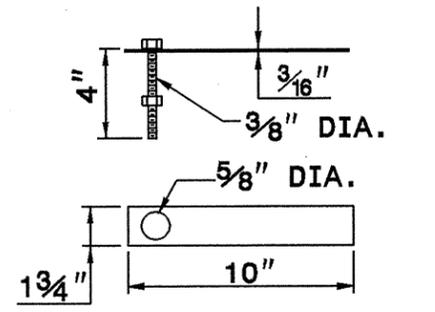
CONCRETE CONSTRUCTION



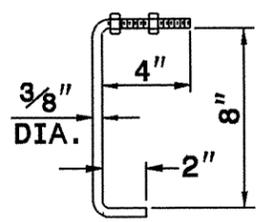
PRECAST CONCRETE CONSTRUCTION

DETAIL SHOWING ANCHORAGE OF FRAME FOR GRATED DROP INLET

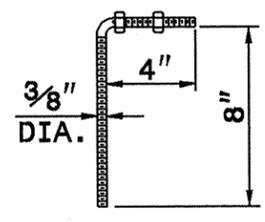
NOTE:
CONSTRUCT GRATED DROP INLET TO COINCIDE WITH NORMAL OR SUPERELEVATED SHOULDER OR PAVEMENT SLOPE.



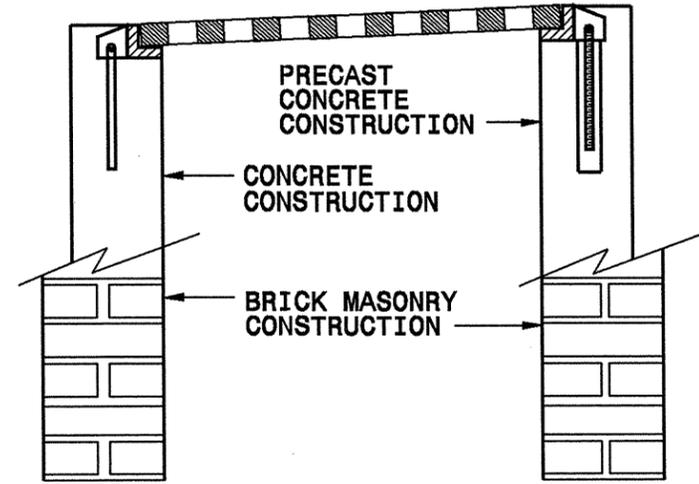
MASONRY ANCHOR
3/8" DIA. BOLT WITH PLATE



CONCRETE ANCHOR
3/8" DIA. BENT BAR



PRECAST CONCRETE ANCHOR
3/8" DIA. BENT BAR



FRAME AND GRATE INSTALLATION FOR NORMAL CROWN AND SUPERELEVATED SECTIONS

06-OCT-2008 14:55 s:\con\poc\special_details\word\stds\06_std\special_details\840d25_anchors_for_frames\0840d25.dgn

PROJECT SERVICES UNIT
STANDARDS AND SPECIAL DESIGN
Office 919-250-4128 FAX 919-250-4119

SEE PLATE FOR TITLE

ORIGINAL BY: 2008 STD 840.25 DATE: 07/18/06
MODIFIED BY: E.E. WARD DATE: 9/25/06
CHECKED BY: DATE:
FILE SPEC.:

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5100	9	10
41860.3.1		

SUMMARY OF QUANTITIES

PROJECT NO.	COUNTY	MAP NO.	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	SHOULDER RECONSTRUCTION SMI	1 1/2" MILLING SY	2" MILLING SY	3" MILLING SY	INTER-MEDIATE COURSE, I19.0D TONS	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5D TONS	PG 64-22 PLANT MIX TONS	PG 70-22 PLANT MIX TONS	PG 76-22 PLANT MIX TONS	OGAFC, TYPE FC-2 MODIFIED TONS	MILLED RUMBLE STRIPS LF	FRAME WITH GRATE, STD 840.24 EA	DRAINAGE STRUCTURE REPAIR (EA) EA	FUNNEL DRAIN REPAIR EA	4" CONCRETE PAVED DITCH SY	CONCRETE MEDIAN BARRIER WALL REPAIR LF	STEAL BEAM GUARDRAIL LF	GUARDRAIL ANCHOR UNIT, CAT-1 EA	PORTABLE LIGHTING LS		
I-5100 41860.3.1	Polk	1	I-26 EAST	FROM MM 61.75 TO MM 64.91	1	Yes	3.16	42	3.12	6,500	23,140	23,140	3,957	2,812	7,347	169	186	603	2,705	33,320	4	4	8	4,534	1,200	500	2			
		2	I-26 WEST	FROM MM 61.75 TO MM 64.91	2	Yes	3.16	52	3.20		22,213	44,427	7,597	7,413	3,732	445	357	432	3,471	33,320	1	1		2,750		500	8	1		
		3	I-26 EAST	FROM MM 64.91 TO MM 66.70	3	Yes	1.79	38	0.18		39,979	2,778	475	994	3,484	60	22	286	1,276	19,000	1	1	2	500		200	4			
		4	I-26 WEST	FROM MM 64.91 TO MM 66.70	3	Yes	1.79	38	0.22		41,672	2,778	475	1,211	3,456	73	22	284	1,276	19,000	3	3		67		250	4			
		5	I-26 EAST	FROM MM 66.70 TO MM 67.05	3	Yes	0.35	38	0.04			7,946	695	119	229	664	14	6	55	249	3,680	3	3	2	667		800	14		
		6	I-26 EAST	FROM MM 67.05 TO SC LINE	4	Yes	3.89	38	0.39			88,625	29,698	5,078	1,823	9,631	109	239	744	2,775	41,270									
		7	I-26 WEST	FROM MM 66.70 TO SC LINE	3	Yes	4.24	38	0.42			108,357	6,250	1,069	3,046	8,075	183	50	666	3,024	44,950		2		200		1,000	15		
		8	RAMP	EASTBOUND EXIT FROM I-26 TO US74 EAST	5	Yes	0.5	36	0.05	3,480	6,960			1,073		64		20	327						14		500	1		
		9	RAMP	EASTBOUND EXIT FROM US74 EAST TO NC108	6	Yes	0.51	24	0.05		4,774			1,136		69														
		10	RAMP	WESTBOUND ACCESS FROM NC108 TO I-26	7	Yes	0.87	42	0.09	7,317	8,572			1,575		95		5	75	6,185								2		
		11	RAMP	EXIT RAMP FROM NC108 TO US74 EAST	8	Yes	0.12	20	0.02		1,288			145		9												1		
		12	RAMP	WESTBOUND ACCESS FROM US74 TO I-26	9	Yes	0.73	42	0.08	6,417	9,180			1,567		153		27	452	4,850								1		
		13	RAMP	EASTBOUND ACCESS FROM NC108 TO I-26	10	Yes	0.31	24	0.02		4,360			488		29		4	60									1		
		14	RAMP	WESTBOUND ACCESS FROM WELCOME CENTER TO I-26	10	Yes	0.2	26			2,800			314		19		4	60			1	1							
		15	RAMP	WESTBOUND EXIT FROM I-26 TO WELCOME CENTER	11	Yes	0.3	35	0.03		4,195			470		28		7	114	430					14			1		
		16	RAMP	WESTBOUND EXIT FROM I-26 TO NC108	12	Yes	0.39	26	0.04		5,922			664		40		4	68											
TOTAL FOR PROJ NO. I-5100 41860.3.1							22.31		7.95	23,714	379,983	109,766	18,770	24,960	36,389	1,559	882	3,141	15,932	206,005	13	13	14	8,746	1,200	3,750	54	1		
GRAND TOTAL							22.31		7.95	23,714	379,983	109,766	18,770	24,960	36,389	1,559	882	3,141	15,932	206,005	13	13	14	8,746	1,200	3,750	54	1		

2006 ROADWAY ENGLISH STANDARD DRAWINGS

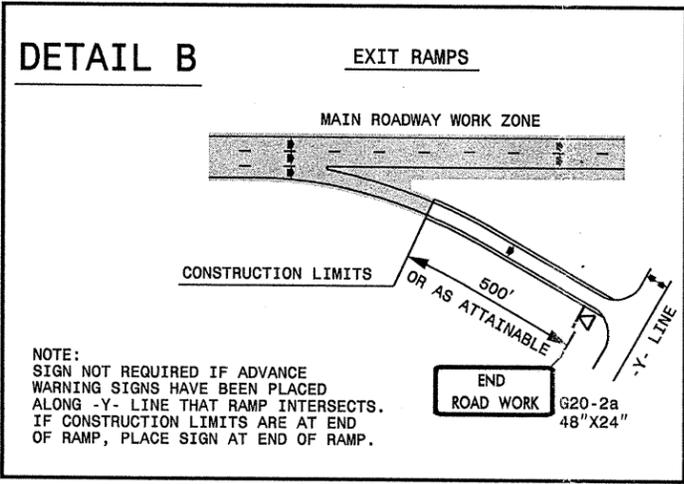
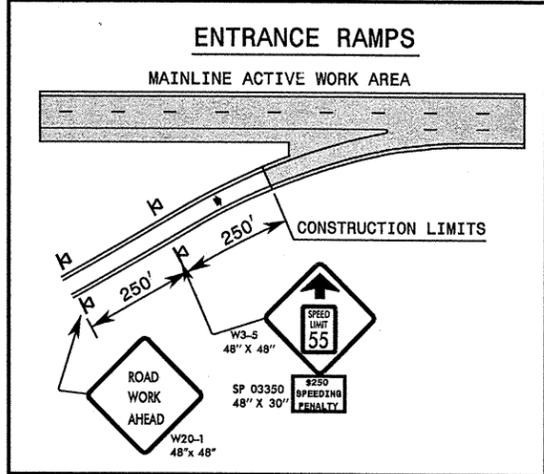
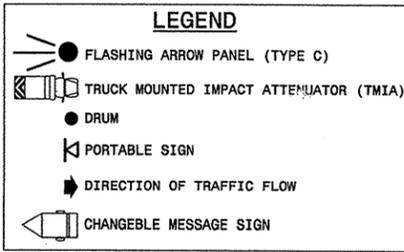
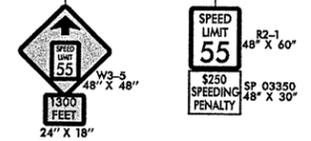
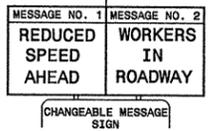
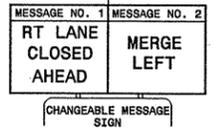
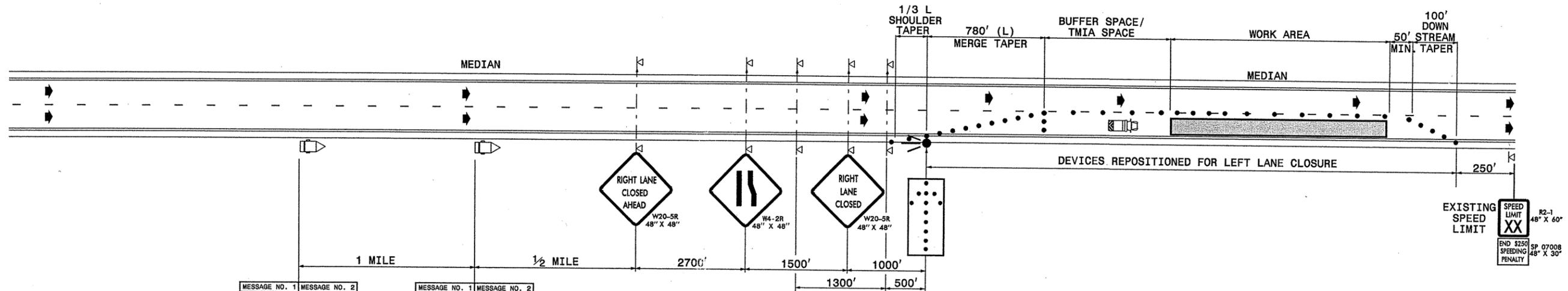
The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated July 18, 2006 are applicable to this project and by reference hereby are considered a part of these plans:

- STD.NO. TITLE
- DIVISION 6 - ASPHALT BASES AND PAVEMENTS**
- 665.01 Milled Rumble Strips - Asphalt Pavements
- DIVISION 8 - INCIDENTALS**
- 820.01 Funnel and Funnel Drain - 12" Metal Funnel
- 840.17 Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe
- 840.24 Frames and Narrow Slot Sag Grates
- 840.45 Precast Drainage Structure
- 862.01 Guardrail Placement
- 862.02 Guardrail Installation

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5100 41860.3.1	10	10

THERMOPLASTIC AND PAINT QUANTITIES

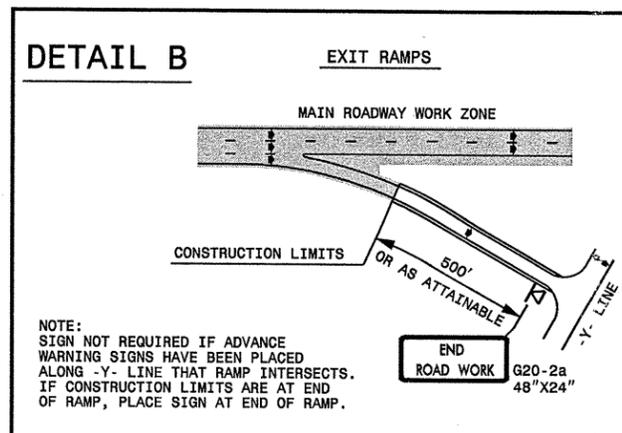
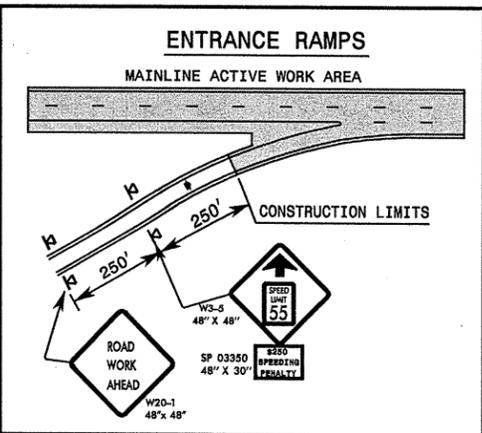
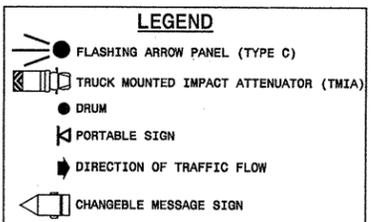
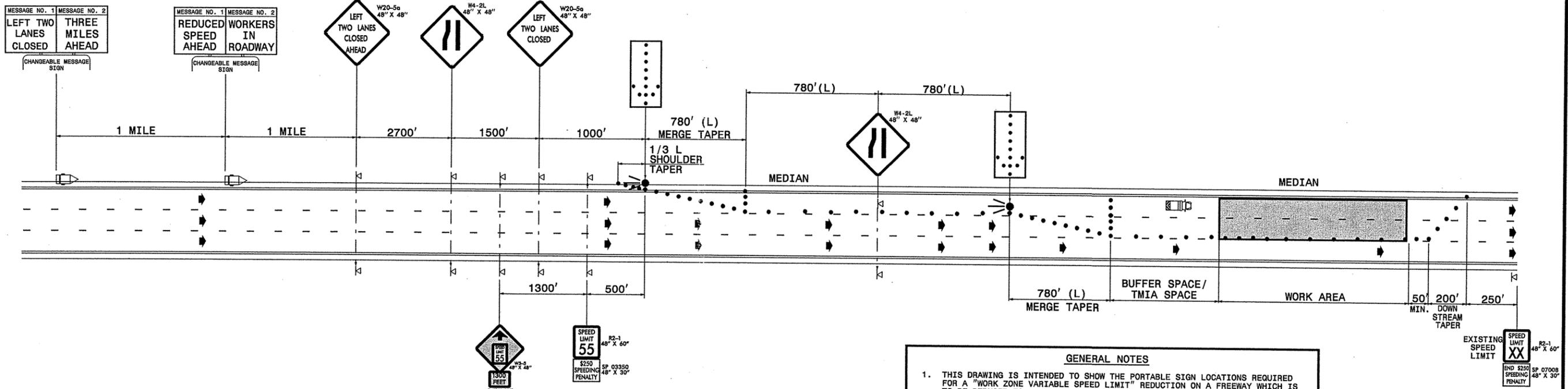
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4400000000-E	4405000000-E	4415000000-N	4420000000-N	4430000000-N	4435000000-N	4480000000-N	4516000000-N	4685000000-E		4686000000-E		4688000000-E		4690000000-E		4695000000-E		4725000000-E	4810000000-E		4845000000-N	4905000000-N		4960000000-N	4960000000-N	4960000000-N	4960000000-N	4960000000-N				
					STATIONARY WORK ZONE SIGN	PORTABLE WORK ZONE SIGN	FLASHING ARROW PANELS, TYPE C	CHANGEABLE MESSAGE SIGN	DRUMS	CONES	TMIA	SKINNY DRUM	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" X 120 M WHITE THERMO	4" X 120 M YELLOW THERMO	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	6" X 120 M WHITE THERMO	6" X 120 M YELLOW THERMO	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	THERMO STR ARROW 90 M	4" YELLOW PAINT	4" WHITE PAINT	PAINT STR ARROW	SNOW PLOWABLE MARKERS, CRYSTAL & RED	SNOW PLOWABLE MARKERS, YELLOW & YELLOW	REMOVE & REPLACE TOP MOUNTED BARRIER WALL DELINEATORS (WHITE)	REMOVE & REPLACE TOP MOUNTED BARRIER WALL DELINEATORS (YELLOW)	GUARDRAIL DELINEATORS	SIDE MOUNTED BARRIER WALL DELINEATORS (YELLOW)	SIDE MOUNTED BARRIER WALL DELINEATORS (WHITE)				
NO					SF	SF	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF	EA	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA			
I-5100 41860.3.1	Polk	1	I-26 EAST	FROM MM 61.75 TO MM 64.91	64	2,400	6	6	100	800	4	800					16,660	16,660	4,170						83,300	104,150											
	2	I-26 WEST	FROM MM 61.75 TO MM 64.91	64													16,660	16,660	8,500			3			83,300	125,800	9										
	3	I-26 EAST	FROM MM 64.91 TO MM 66.70	64													9,450	9,450	2,360						28,350	35,430											
	4	I-26 WEST	FROM MM 64.91 TO MM 66.70	64													9,450	9,450	2,360						28,350	35,430											
	5	I-26 EAST	FROM MM 66.70 TO MM 67.05	64													1,900	1,900	475	1,200					5,700	7,125											
	6	I-26 EAST	FROM MM 67.05 TO SC LINE	64													1,900	1,900	475	1,200					5,700	7,125											
	7	I-26 WEST	FROM MM 66.70 TO SC LINE	64										22,500	22,500	5,600									61,800	77,220											
	8	RAMP	EASTBOUND EXIT FROM I-26 TO US74 EAST	16													2,850		600	1,200																	
	9	RAMP	EASTBOUND EXIT FROM US74 EAST TO NC108	16										2,700		3,000					100				9,000	8,400											
	10	RAMP	WESTBOUND ACCESS FROM NC108 TO I-26	32										3,160		3,160	3,050	3,050			950		3		18,630	21,480	6										
	11	RAMP	EXIT RAMP FROM NC108 TO US74 EAST	16										820							25	100				1,740											
	12	RAMP	WESTBOUND ACCESS FROM US74 TO I-26	64													3,850	2,000	950	1,200			10		6,000	18,000	20										
	13	RAMP	EASTBOUND ACCESS FROM NC108 TO I-26	16													750	650	8,330	750	200		3		3,150	3,174	6										
	14	RAMP	WESTBOUND ACCESS FROM WELCOME CENTER TO I-26	16													1,550	200	40	500	100				1,200	7,770											
	15	RAMP	WESTBOUND EXIT FROM I-26 TO WELCOME CENTER	16													1,570	200	280	500			6		600	8,550	6										
	16	RAMP	WESTBOUND EXIT FROM I-26 TO NC108	64													2,250	2,250	90	200					6,750	8,220											
TOTAL FOR PROJ NO. I-5100 41860.3.1					704	2,400	6	6	100	800	4	800	29,180	22,500	5,600	6,160	90,590	83,070	33,320	6,700	300	25	403,630	560,739	47	1,891	95	30	220	600	50	50	100				
GRAND TOTAL					704	2,400	6	6	100	800	4	800	29,180	22,500	5,600	6,160	90,590	83,070	33,320	6,700	300	25	403,630	560,739	47	1,891	95	30	220	600	50	50	100				



- GENERAL NOTES**
- THIS DRAWING IS INTENDED TO SHOW THE PORTABLE SIGN LOCATIONS REQUIRED FOR A "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION ON A FREEWAY WHICH IS TO BE REDUCED TO 55 MPH. REFER TO THE ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 9 FOR ADDITIONAL LANE CLOSURE REQUIREMENTS AND GENERAL NOTES.
 - EACH DIRECTION OF THE PROJECT IS TO BE EVALUATED FOR THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION. THIS DRAWING INTENTIONALLY HAS 1 DIRECTION SIGNED AS A REMINDER TO CAREFULLY CONSIDER WHETHER BOTH DIRECTIONS OF THE PROJECT NEED TO HAVE THE SPEED LIMIT REDUCED.
 - IN ADDITION, FOR ACTIVE WORK AREAS THAT EXCEED 1 MILE IN LENGTH, AN EVALUATION IS TO BE MADE TO DETERMINE IF ADDITIONAL SIGNS ARE NEEDED TO SUPPLEMENT THE INITIAL ONES. PORTABLE MOUNTED W3-5 SIGNS WITH SPEED PENALTY SIGNS ARE TO BE PLACED ALONG ENTRANCE RAMPS LOCATED WITHIN THE ACTIVE WORK AREA.
 - THE \$250 SPEEDING PENALTY APPLIES FOR ALL PROJECTS THAT QUALIFY FOR A "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION. PORTABLE SIGNS ARE TO BE USED TO DISPLAY THE \$250 SPEEDING PENALTY.
 - THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION IS ONLY IN EFFECT WHEN A LANE CLOSURE IS IN PLACE. THE PORTABLE SPEED LIMIT AND SPEED PENALTY SIGNS ARE TO BE REMOVED WHEN THE LANE CLOSURE IS REMOVED. AT THE COMPLETION OF THE PROJECT, THE ENGINEER SHALL NOTIFY THE REGIONAL TRAFFIC ENGINEER TO RESCIND THE ORDINANCE.
 - WHEN "WORK ZONE VARIABLE SPEED LIMIT" REDUCTIONS ARE IN EFFECT, THE CONTRACTOR IS TO COVER ANY EXISTING SPEED LIMIT SIGNS LOCATED WITHIN THE ACTIVE WORK AREA THAT CONFLICT WITH THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION.
 - DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
 - ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
 - SINGLE MOUNTED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.
 - THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION MUST BE ORDINANCED AND SIGNED BY THE STATE TRAFFIC ENGINEER BEFORE ANY SPEED LIMIT SIGNS ARE USED FOR REDUCING THE SPEED LIMIT.
 - SYMBOLS SHOWN ARE FOR RIGHT LANE CLOSURE. USE APPROPRIATE SIGNS, MESSAGES AND ARROWS FOR LEFT LANE CLOSURE. PORTABLE CMS'S TO REMAIN AS SHOWN.

APPROVED: _____ DATE: _____	I-40 SINGLE LANE CLOSURE	
SEAL 	SCALE: NONE	
	DATE: 10-12-09	
	DESIGN BY: JWG	
	REVIEWED BY: JWG	
	REVISIONS	

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- GENERAL NOTES**
- THIS DRAWING IS INTENDED TO SHOW THE PORTABLE SIGN LOCATIONS REQUIRED FOR A "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION ON A FREEWAY WHICH IS TO BE REDUCED TO 55 MPH. REFER TO THE ROADWAY STANDARD DRAWING 1101.02 SHEET 5 OF 9 FOR ADDITIONAL LANE CLOSURE REQUIREMENTS AND GENERAL NOTES.
 - EACH DIRECTION OF THE PROJECT IS TO BE EVALUATED FOR THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION. THIS DRAWING INTENTIONALLY HAS 1 DIRECTION SIGNED AS A REMINDER TO CAREFULLY CONSIDER WHETHER BOTH DIRECTIONS OF THE PROJECT NEED TO HAVE THE SPEED LIMIT REDUCED.
 - IN ADDITION, FOR ACTIVE WORK AREAS THAT EXCEED 1 MILE IN LENGTH, AN EVALUATION IS TO BE MADE TO DETERMINE IF ADDITIONAL SIGNS ARE NEEDED TO SUPPLEMENT THE INITIAL ONES. PORTABLE MOUNTED W3-5 SIGNS WITH SPEED PENALTY SIGNS ARE TO BE PLACED ALONG ENTRANCE RAMP LOCATED WITHIN THE ACTIVE WORK AREA.
 - THE \$250 SPEEDING PENALTY APPLIES FOR ALL PROJECTS THAT QUALIFY FOR A "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION. PORTABLE SIGNS ARE TO BE USED TO DISPLAY THE \$250 SPEEDING PENALTY.
 - THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION IS ONLY IN EFFECT WHEN A LANE CLOSURE IS IN PLACE. THE PORTABLE SPEED LIMIT AND SPEED PENALTY SIGNS ARE TO BE REMOVED WHEN THE LANE CLOSURE IS REMOVED. AT THE COMPLETION OF THE PROJECT, THE ENGINEER SHALL NOTIFY THE REGIONAL TRAFFIC ENGINEER TO RESCIND THE ORDINANCE.
 - WHEN "WORK ZONE VARIABLE SPEED LIMIT" REDUCTIONS ARE IN EFFECT, THE CONTRACTOR IS TO COVER ANY EXISTING SPEED LIMIT SIGNS LOCATED WITHIN THE ACTIVE WORK AREA THAT CONFLICT WITH THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION.
 - DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
 - ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
 - SINGLE MOUNTED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.
 - THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION MUST BE ORDINANCED AND SIGNED BY THE STATE TRAFFIC ENGINEER BEFORE ANY SPEED LIMIT SIGNS ARE USED FOR REDUCING THE SPEED LIMIT.
 - SYMBOLS SHOWN ARE FOR TWO LEFT LANES CLOSURE. USE APPROPRIATE SIGNS, MESSAGES AND ARROWS FOR TWO RIGHT LANES CLOSURE. PORTABLE CMS'S TO REMAIN AS SHOWN.

APPROVED: _____ DATE: _____

SEAL

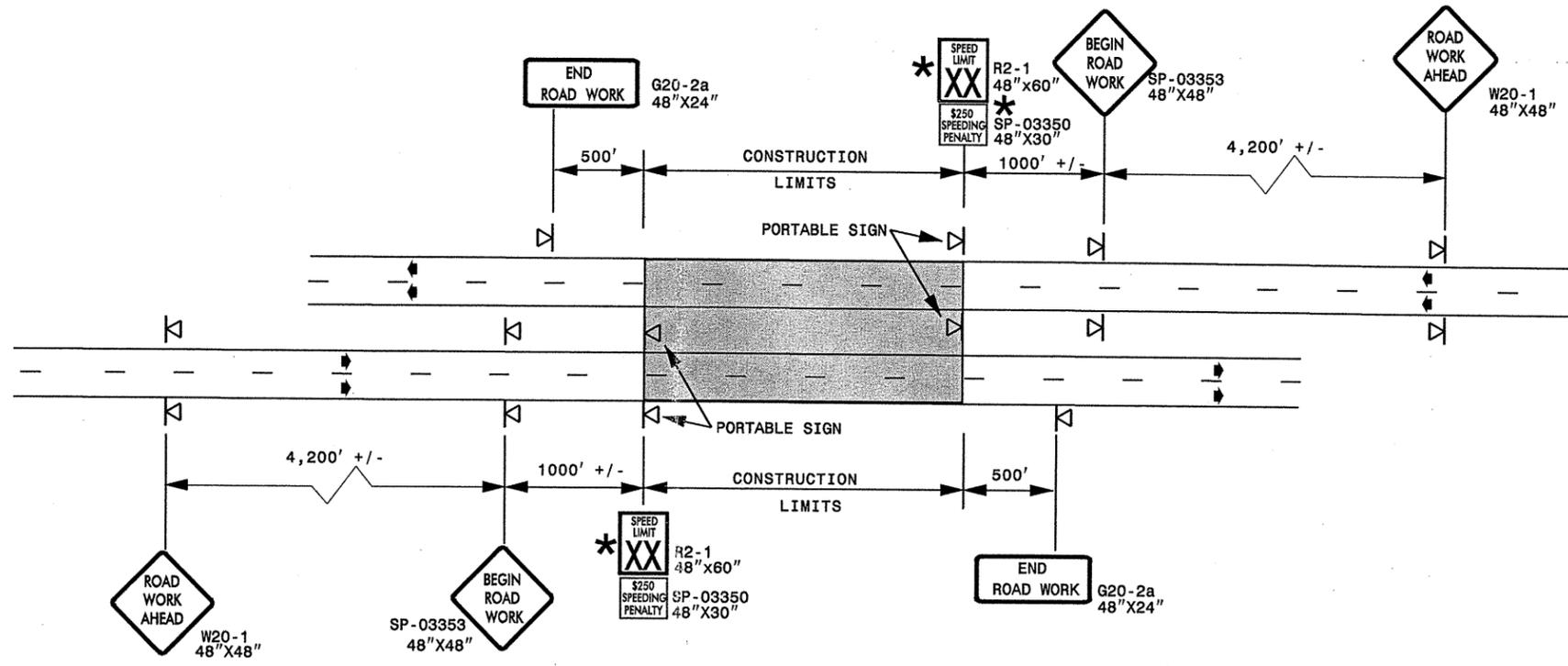
I-40 TWO LANE CLOSURE

SCALE: NONE		REVISIONS
DATE: 10-12-09		
DWG. BY: SBC		
DESIGN BY: JWG		
REVIEWED BY: JWG		

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 scoats AT WZT237457

ADVANCED WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

PROJ. REFERENCE NO. I-5100	SHEET NO. TCP-3
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LEGEND	
◀	PORTABLE SIGN
▶	DIRECTION OF TRAFFIC FLOW

* THE WORK ZONE "SPEED LIMIT" SIGNS (R2-1) AND "\$250 SPEEDING PENALTY" SIGNS (SP-03350) SHALL BE PORTABLE MOUNTED. THE "SPEED LIMIT" SIGNS SHALL REFLECT THE EXISTING SPEED LIMIT WHEN NO LANE CLOSURES ARE INSTALLED (SEE GENERAL NOTES). WHEN LANE CLOSURES ARE INSTALLED, THE "SPEED LIMIT" SIGNS SHALL COINCIDE WITH THE SPEED LIMITS INTRODUCED BY THE WORK ZONE "VARIABLE" SPEED LIMITS (SEE SHEETS TCP-1 AND TCP-2). EXTEND LANE CLOSURES AS NECESSARY TO AVOID CONFLICTING SPEED LIMIT MESSAGES.

* USE THE "\$250 SPEEDING PENALTY" SIGN AND SPEED LIMIT SIGN ONLY WHEN A "\$250 SPEEDING PENALTY" ORDINANCE HAS BEEN ISSUED BY THE REGIONAL TRAFFIC ENGINEER.

GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- WHEN NO WORK ACTIVITY IS ANTICIPATED TO OCCUR IN THE WORK ZONE FOR SEVEN (7) CONSECUTIVE DAYS OR IF NO WORK HAS OCCURRED IN THE WORK ZONE IN SEVEN (7) CONSECUTIVE DAYS, THE \$250 SPEEDING PENALTY SIGNS (SP 03350) SHALL BE COVERED/REMOVED BY THE CONTRACTOR UNTIL SUCH TIME THE CONTRACTOR IS WHEN READY TO CONTINUE WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL STATIONARY WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.

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SCOTTS AI W210237457

APPROVED: _____ DATE: _____	ADVANCED WORK ZONE WARNING SIGNS FOR FREEWAYS (4 LANES OR GREATER)		
	SCALE: NONE		
	DATE: 8/03		REVISIONS
	DWG. BY: JI		03/04
	DESIGN BY: JI		
REVIEWED BY: _____		CADD FILE	

SIGN NUMBER: SP-03350 TYPE: D QUANTITY: 1 SIGN WIDTH: 4'-0" HEIGHT: 2'-6" TOTAL AREA: 10.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.4" WIDTH: 0.5" RADII: 1.5" NO. Z BARS: N/A LENGTH: N/A	BACKG COLOR: White COPY COLOR: Black SYMBOL X Y WID HT	DESIGN BY: CL DOWNEY PROJECT ID: CHECKED BY: DIV: DIV STD #: REGULATORY DATE: Aug 18, 2003
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SP 03350

LETTER POSITIONS

Letter spacings are to start of next letter

	S	P	E	E	D	I	N	G		Series/Size Text Length
15.1	5.3	4.6	4.2	3.5	15.4					C6 17.6
8.1	4.8	4.5	4	4	4.6	2.1	4.4	3.4	8.2	C6 31.8
11.9	4.6	4	4.3	4.7	3.4	3.3	3.7	8.2		C6 28

Spacing Factor is 1 unless specified otherwise

SIGN NUMBER: SP07008 TYPE: D QUANTITY: 1 SIGN WIDTH: 48" HEIGHT: 30" TOTAL AREA: 10.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.5" WIDTH: 0.75" RADII: 1.88" NO. Z BARS: LENGTH:	BACKG COLOR: White COPY COLOR: Black SYMBOL X Y WID HT	DESIGN BY: R. HENNEIN PROJECT ID: N/A CHECKED BY: DIV: N/A STD #: N/A DATE: Jan 12, 2007
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SP 07008

LETTER POSITIONS

Letter spacings are to start of next letter

	E	N	D	S	P	E	E	D	I	N	G		Series/Size Text Length
6.9	4.1	4.7	3.4	6	4.3	4.1	4.3	3.5	6.9				C 2000 34.3
8.1	4.4	4.6	4.1	4.1	4.6	2.2	4.6	3.4	8.1				C 2000 31.7
9.9	4.6	4.1	4.2	4.7	3.4	3.4	3.8	9.9					C 2000 28.2

Spacing Factor is 1 unless specified otherwise

SP 03353

SIGN NUMBER: SP-03353 TYPE: A QUANTITY: 1 SIGN WIDTH: 4'-0" HEIGHT: 4'-0" TOTAL AREA: 16.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.59" WIDTH: 0.75" RADII: 1.38" NO. Z BARS: N/A LENGTH: N/A	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT	DESIGN BY: CL DOWNEY PROJECT ID: ALL PROJECTS CHECKED BY: CHECKED DIV: DIV STD #: W20-1 DATE: Aug 20, 2003
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BORDER
R=1.38"
TH=0.75"
IN=0.59"

LETTER POSITIONS

Letter spacings are to start of next letter

	B	E	G	I	N		Series/Size Text Length
22.4	5.3	4.6	5.4	2.5	3.8	22.4	C7 21.6
23.4	5	5.2	5.6	3.8	23.4		C7 19.6
22.6	6.4	5.6	5.2	4	22.6		C7 21.2

Spacing Factor is 1 unless specified otherwise

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APPROVED: _____ DATE: _____	SIGN DESIGNS		
	SCALE: NONE		
	DATE: _____		REVISIONS
	DWG. BY: _____		
	DESIGN BY: _____		
REVIEWED BY: _____			