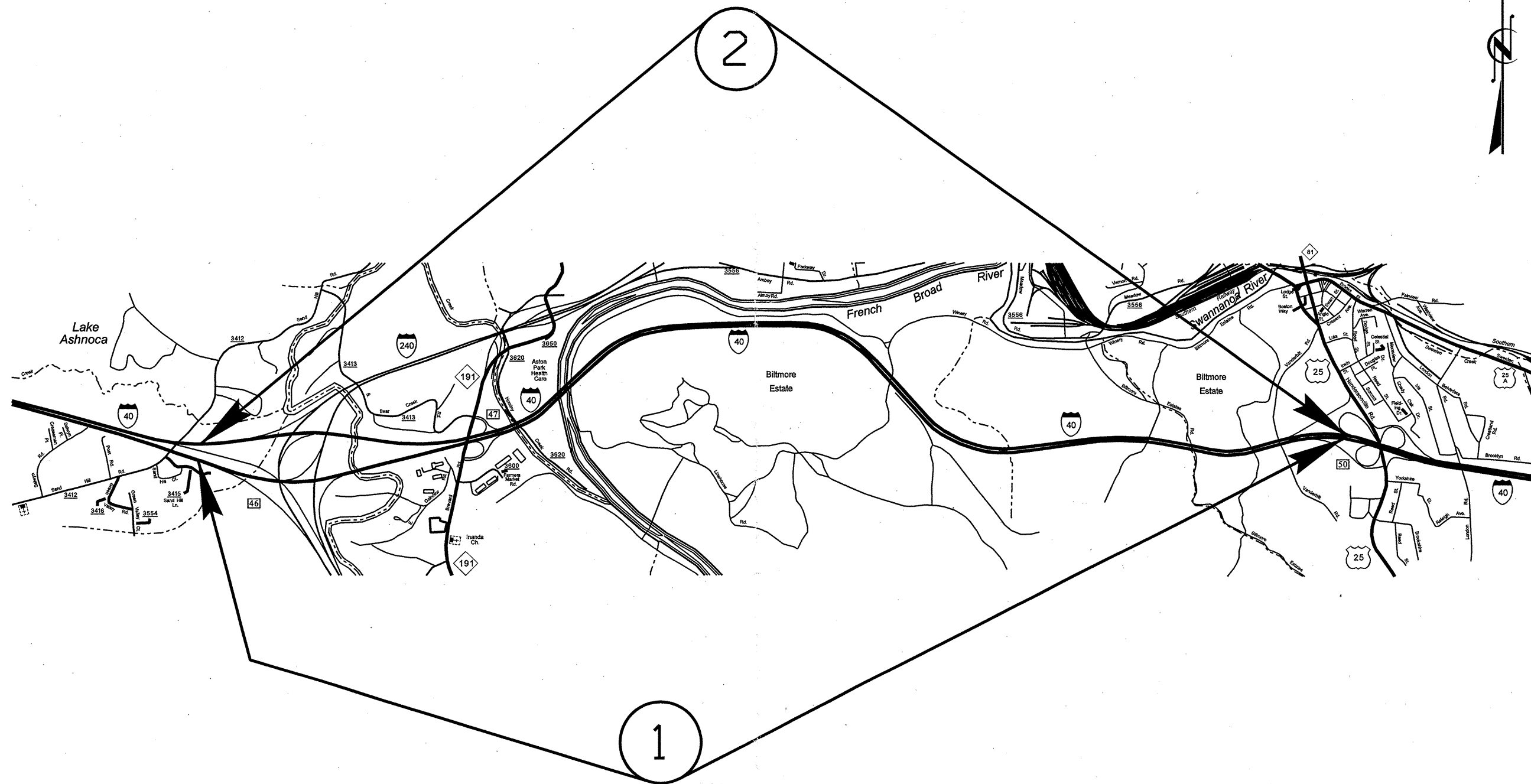


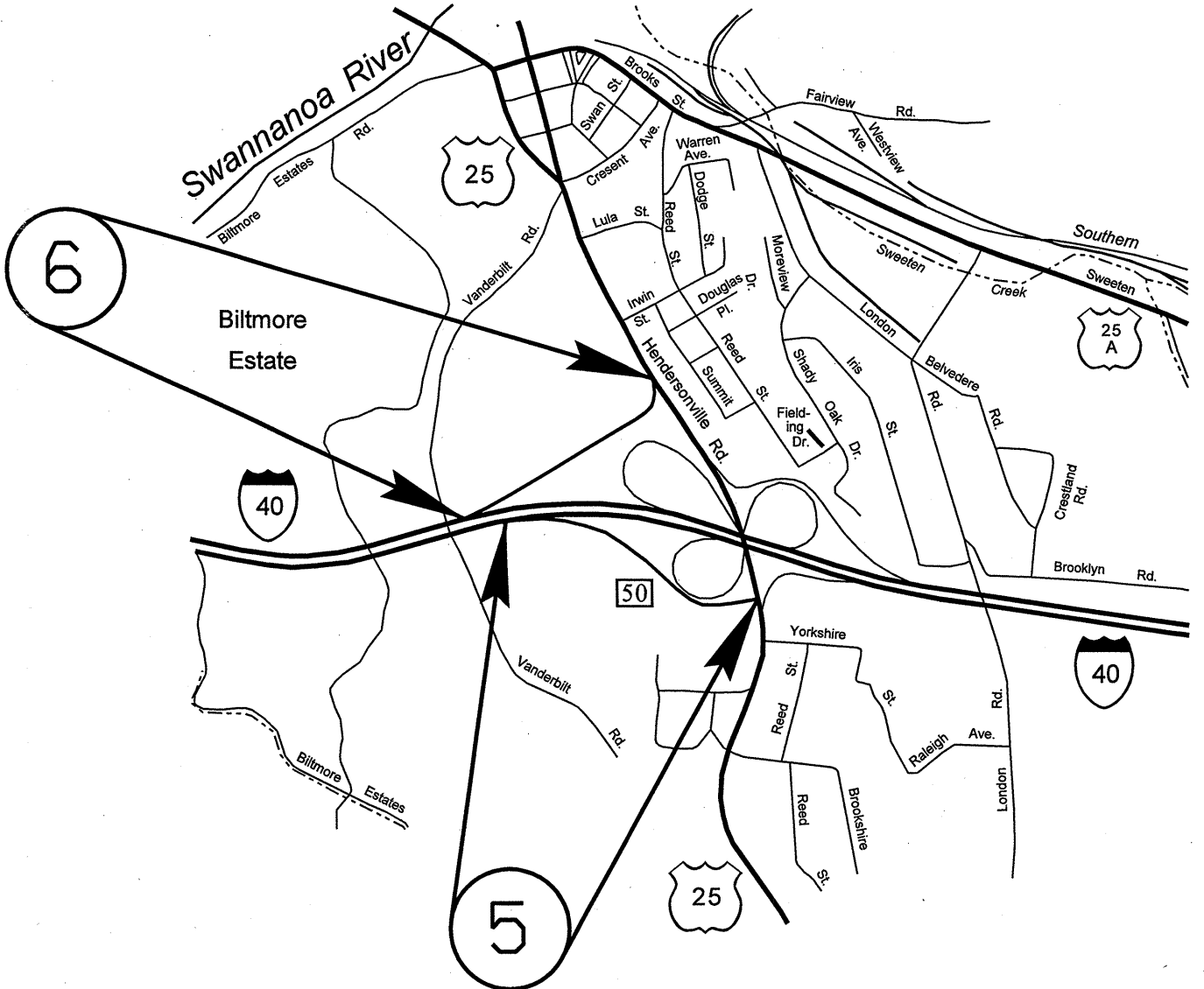
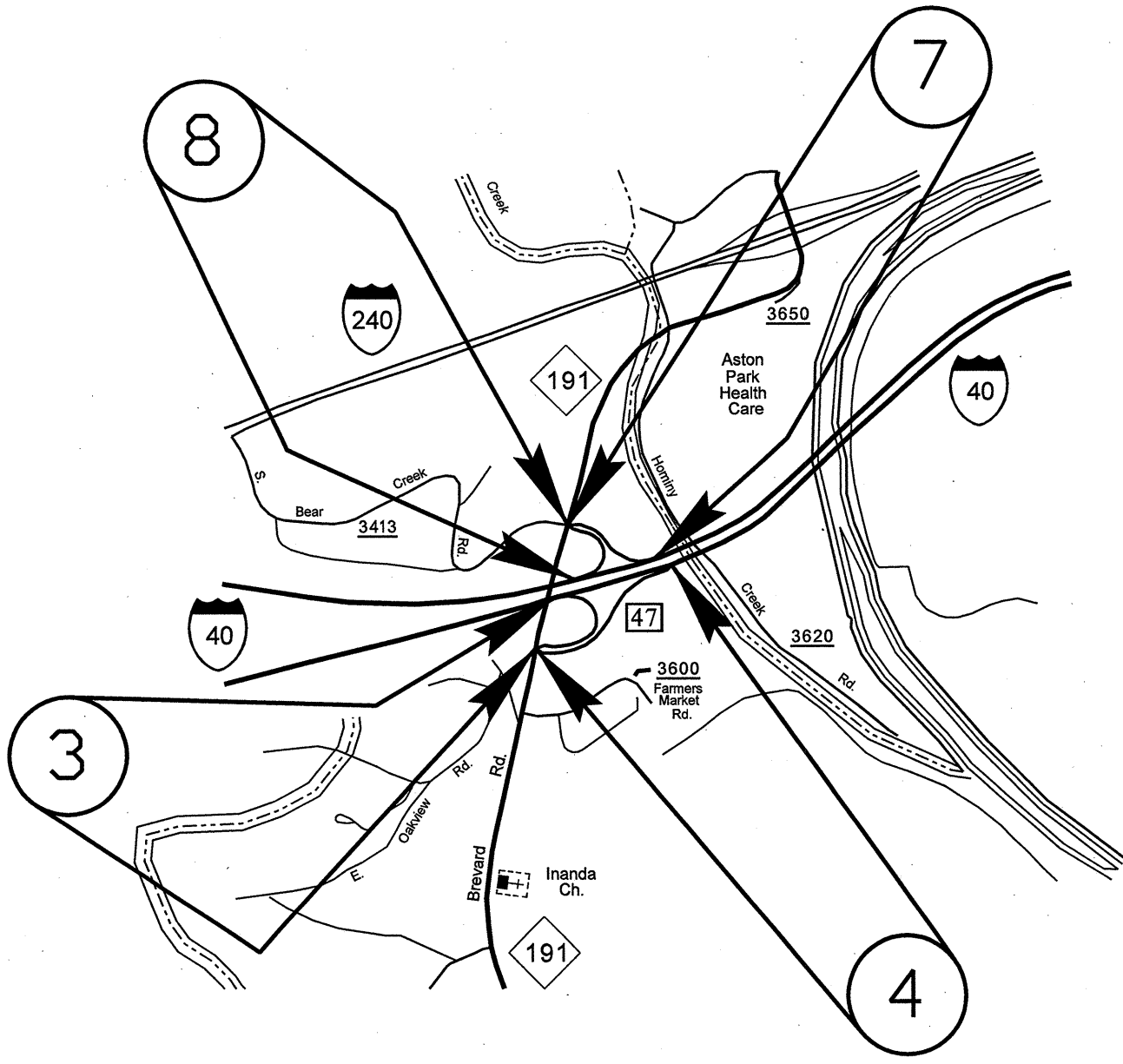
PROJECT NO.	SHEET NO.	TOTAL SHEETS
42298.3.GVI	1	

I-5108



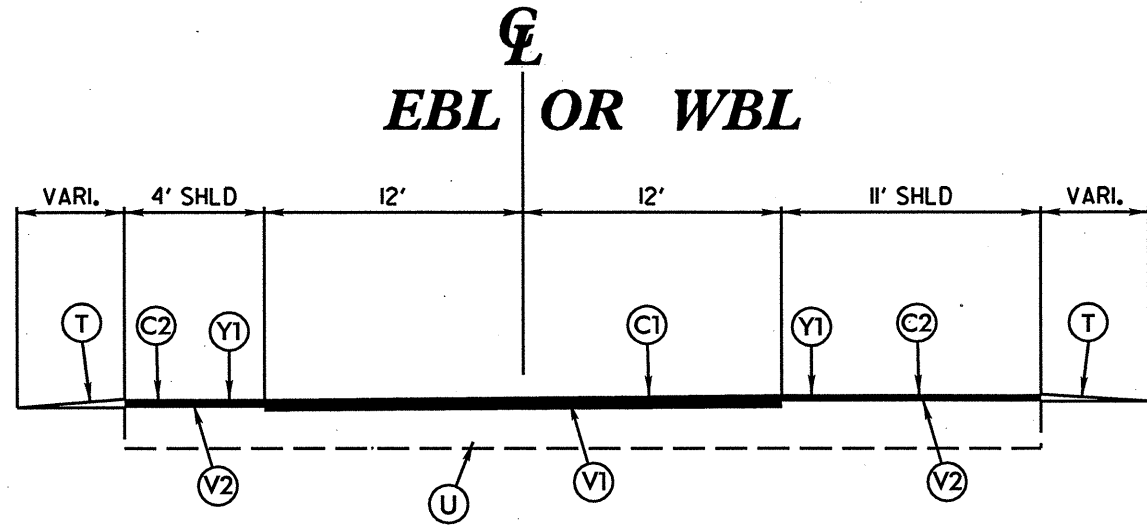
BUNCOMBE COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
42298.3.GVI	2	

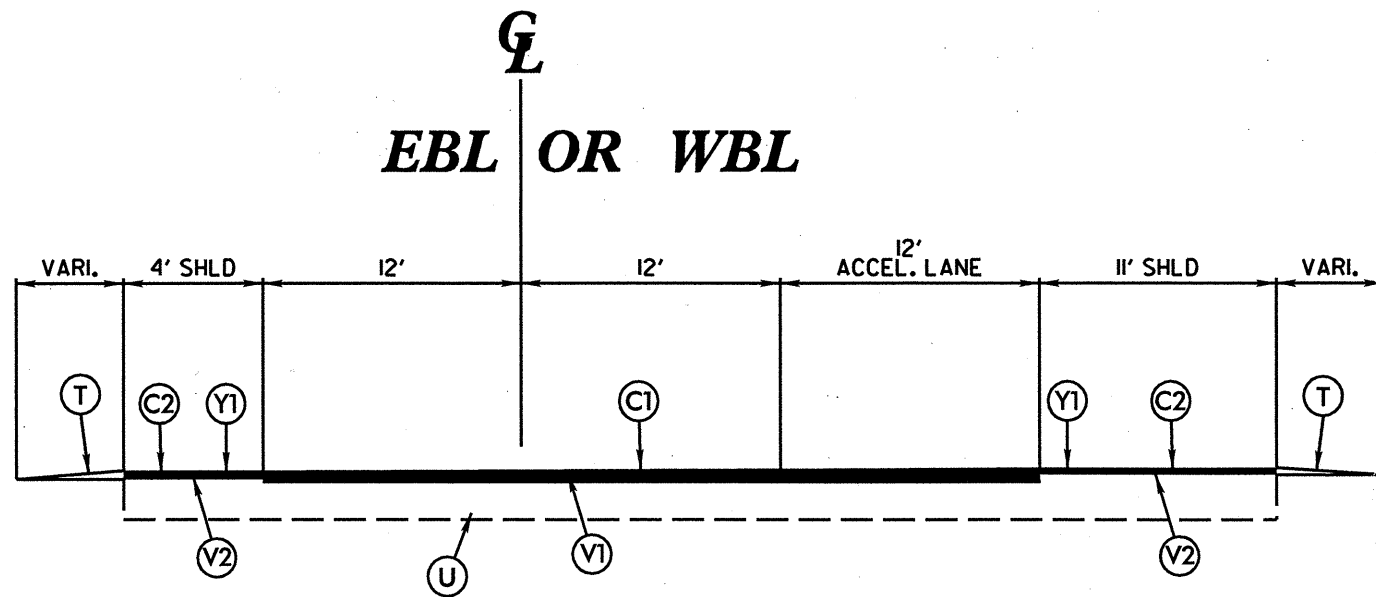


BUNCOMBE COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
42298.3.GVI	3	



TYPICAL SECTION NO. 1

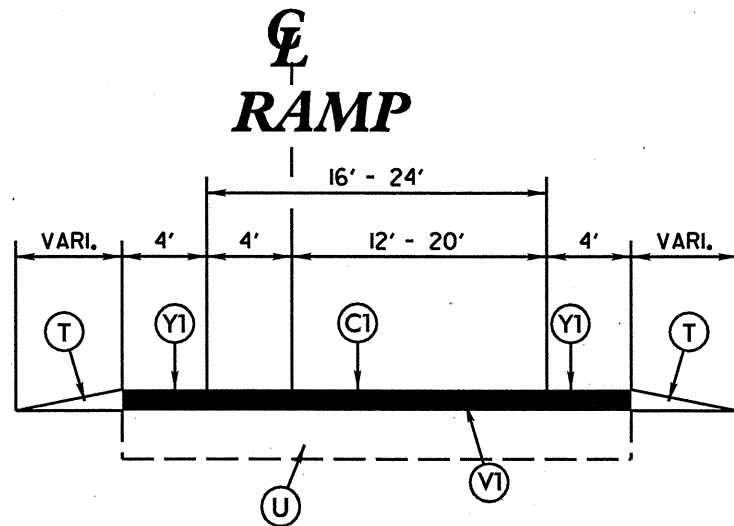


TYPICAL SECTION NO. 2

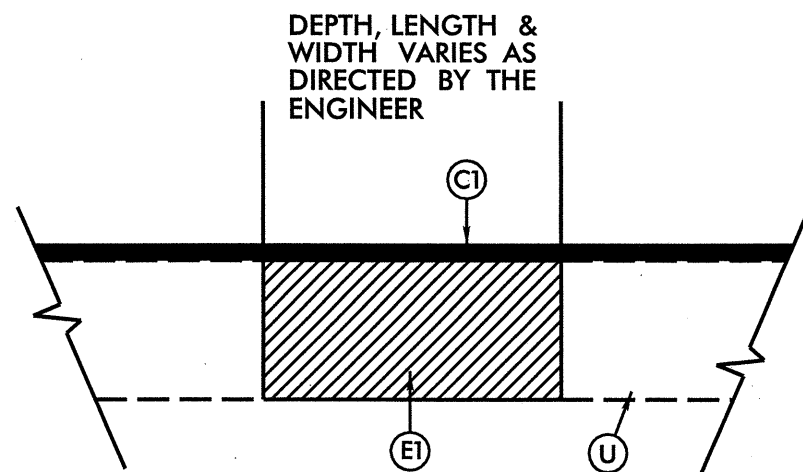
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
C2	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS, PER SQ. YD.
E1	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5-1/2" IN DEPTH.
T	SHOULDER RECONSTRUCTION USING EARTH MATERIAL, LOCATIONS AS DIRECTED BY ENGINEER
U	EXISTING PAVEMENT
V1	MILL 3" OVER ENTIRE ROADWAY WIDTH
V2	MILL 1 1/2" OVER ENTIRE SHOULDER WIDTH
V3	MILL 1" OVER ENTIRE ROAD WIDTH
V4	MILL 0" TO 1" OVER ENTIRE ROAD WIDTH
Y1	MILLED RUMBLE STRIPS IN ACCORDANCE WITH STD. DWG. 665.01

BUNCOMBE COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
42298.3.GVI	4	



TYPICAL SECTION NO. 3



FULL DEPTH PATCHING DETAIL

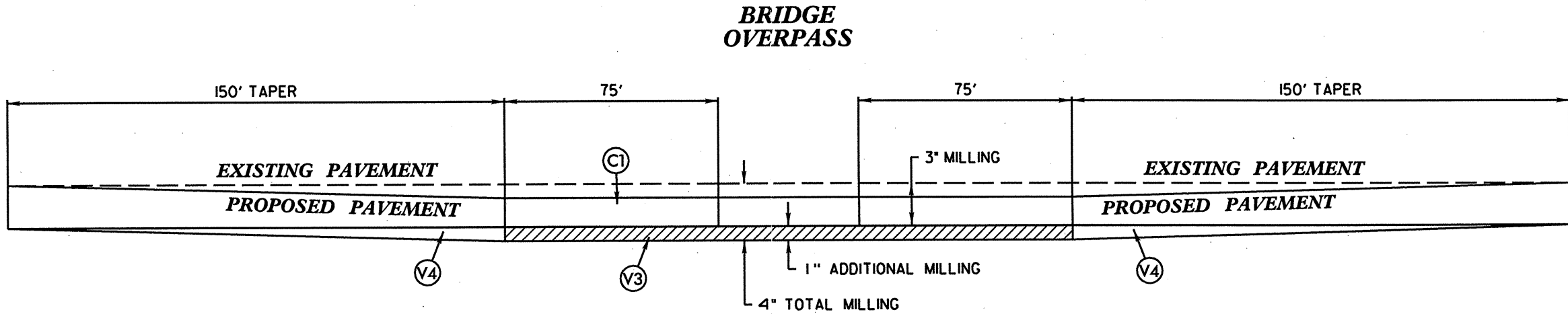
AS DIRECTED BY ENGINEER

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
C2	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS, PER SQ. YD.
E1	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5-1/2" IN DEPTH.
T	SHOULDER RECONSTRUCTION USING EARTH MATERIAL, LOCATIONS AS DIRECTED BY ENGINEER
U	EXISTING PAVEMENT
V1	MILL 3" OVER ENTIRE ROADWAY WIDTH
V2	MILL 1 1/2" OVER ENTIRE SHOULDER WIDTH
V3	MILL 1" OVER ENTIRE ROAD WIDTH
V4	MILL 0" TO 1" OVER ENTIRE ROAD WIDTH
Y1	MILLED RUMBLE STRIPS IN ACCORDANCE WITH STD. DWG. 665.01

BUNCOMBE COUNTY

<i>PROJECT NO.</i>	<i>SHEET NO.</i>	<i>TOTAL SHEETS</i>
42298.3.GV1	5	

<i>PAVEMENT SCHEDULE</i>	
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
V3	MILL 1" OVER ENTIRE ROAD WIDTH
V4	MILL 0" TO 1" OVER ENTIRE ROAD WIDTH



BRIDGE OVERPASS MILLING DETAIL

ADDITIONAL 1" MILLING UNDER BRIDGE #283
ON MAP 2

BUNCOMBE COUNTY

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5108 42298.3.GV1	6	

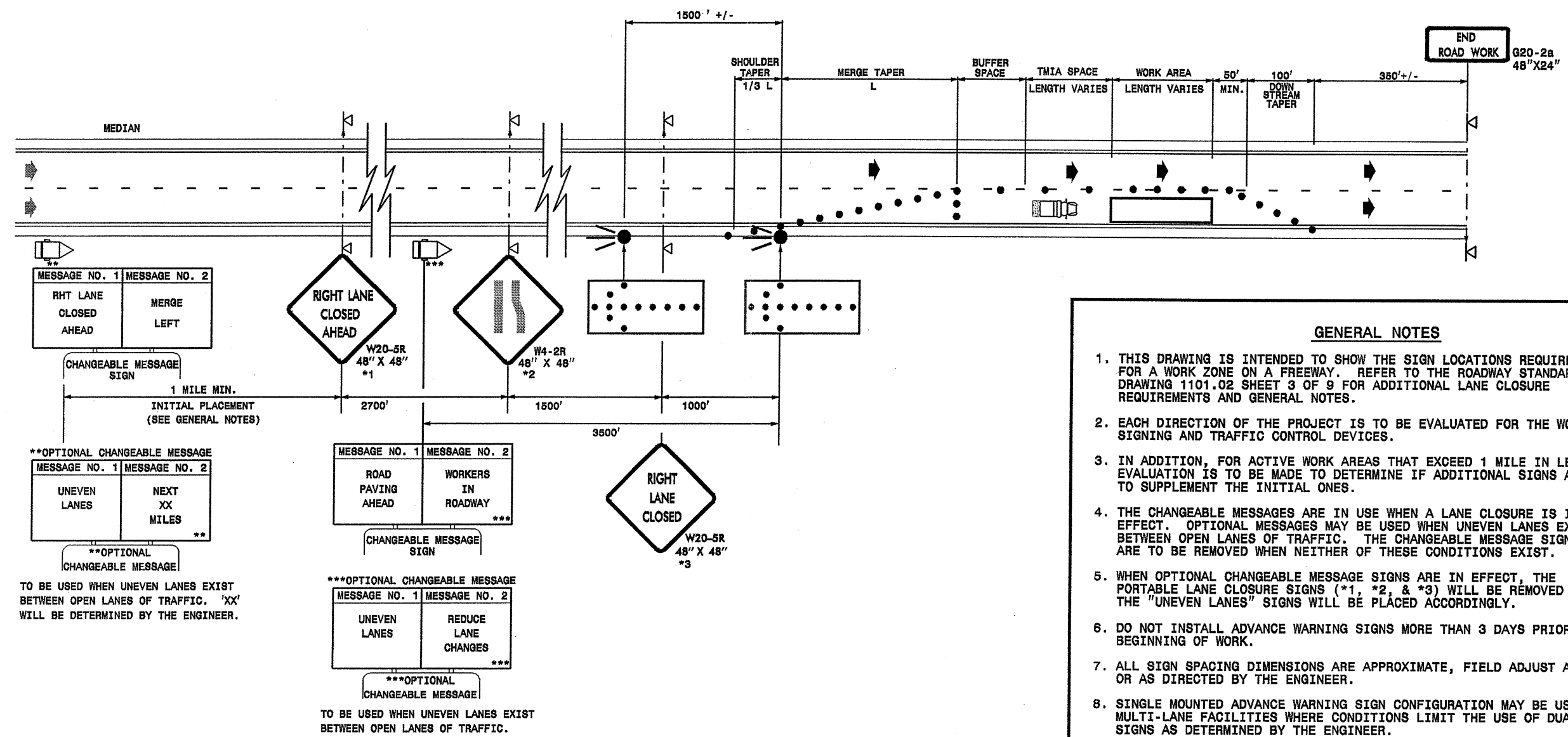
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LENGTH MI	WIDTH FT	SHOULDER RECONSTRUCTION SMI	1 1/2" MILLING SY	3" MILLING SY	1" MILLING SY	0" TO 1" MILLING SY	PATCHING TONS	SURFACE COURSE, S9.5C TONS	SURFACE COURSE, S9.5D TON	PG 64-22 PLANT MIX TONS	PG 70-22 PLANT MIX TONS	PG 76-22 PLANT MIX TONS	MILLED RUMBLE STRIPS LF	SEED & MULCHING AC	EVAZOTE EXPANSION JOINT REPLACEMENT LF	CONCRETE DECK REPAIR USING ELASTOMERIC SY	PORTABLE LIGHTING LS
I-5108	Buncombe	1	I-40 EASTBOUND	FROM MILEPOST 46 (TIE TO I-4401) TO MILEPOST 50	1, 2	4.35	24	2.6	38280	68100			2300	3242	12,191	99	195	731	45,936	1.58	1,122	591	*
		2	I-40 WESTBOUND	FROM MILEPOST 50 TO MILEPOST 46 (TIE TO I-4401)	1, 2	4.35	24	2.6	38280	64000	1600	1200	2300	3242	11,437	99	195	686	45,936	1.58	1,122	591	*
		3	I-40 EBL OFF RAMP EXIT 47	FROM I-40 TO NC 191	3	0.15	20	0.05		2100					391			23		0.03			
		4	I-40 EBL ON RAMP EXIT 47	FROM NC 191 TO I-40	3	0.34	22	0.2		4388					820			49		0.12			
		5	I-40 EBL OFF RAMP EXIT 50	FROM I-40 TO US 25	3	0.38	24	0.23		5350					999			60		0.14			
		6	I-40 WBL ON RAMP EXIT 50	FROM US 25 TO I-40	3	0.44	24	0.26		6195					1,157			69		0.16			
		7	I-40 WBL OFF RAMP EXIT 47	FROM I-40 TO NC 191	3	0.24	20	0.08		2816					527			32		0.05			
		8	I-40 WBL ON RAMP EXIT 47	FROM NC 191 TO I-40	3	0.12	20	0.04		1408					263			16		0.03			
TOTAL FOR PROJ NO. 42298.3.GV1						10.37		6.06	76,560	154,357	1,600	1,200	4,600	6,484	27,785	198	390	1,666	91,872	3.69	2,244	1,182	1
GRAND TOTAL						10.37		6.06	76,560	154,357	1,600	1,200	4,600	6,484	27,785	198	390	1,666	91,872	3.69	2,244	1,182	1

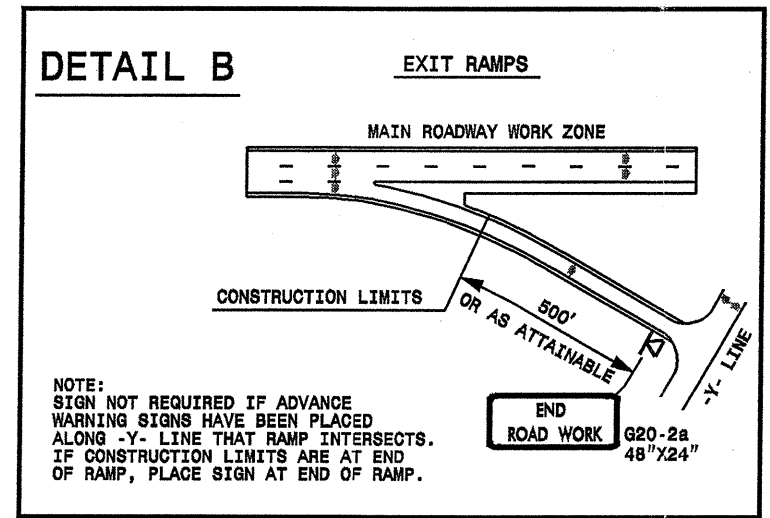
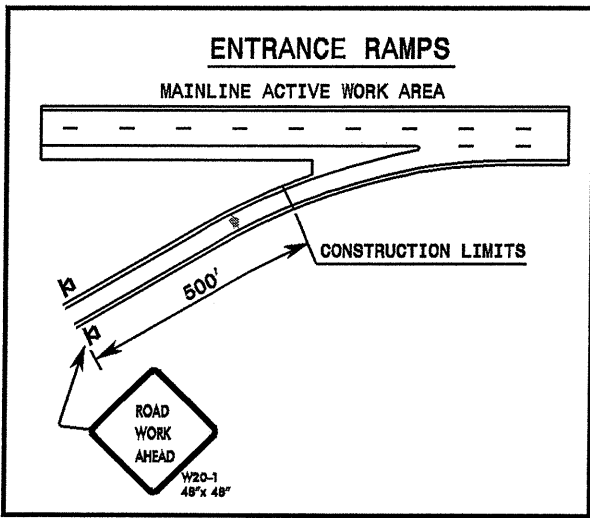
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4405000000-E	4415000000-E	4420000000-N	4430000000-E	4480000000-N	4815000000-E		4847100000-E		4847120000-E	4710000000-E	4721000000-N	4725000000-N			
					PORTABLE WORK ZONE SIGN SF	FLASHING ARROW PANELS, TYPE C EA	CHANGEABLE MESSAGE SIGN EA	DRUMS EA	TRUCK MTD. IMPACT ATTENUATOR (60 MPH) EA	6" YELLOW PAINT LF	6" WHITE PAINT LF	6" YELLOW POLYUREA	6" WHITE POLYUREA	12" WHITE POLYUREA	24" X 120 M WHITE THERMO	THERMOPLAS TIC MSG ONLY (CHARACTER) EA	THERMOPLAS TIC RT ARROW EA	THERMOPLAS TIC STR ARROW EA	THERMOPLAS TIC LT ARROW EA	THERMOPLAS TIC STR & LT ARROW EA
I-5108	Buncombe	1	I-40 EASTBOUND	FROM MILEPOST 46 (TIE TO I-4401) TO MILEPOST 50	192	2	2	100	2	22,968	30,100	22,968	30,100	2,800		8	4			
		2	I-40 WESTBOUND	FROM MILEPOST 50 TO MILEPOST 46 (TIE TO I-4401)	*	*	*	*	*	22,968	29,800	22,968	29,800	2,010				8		
		3	I-40 EBL OFF RAMP EXIT 47	FROM I-40 TO NC 191								792	980		24		1		4	
		4	I-40 EBL ON RAMP EXIT 47	FROM NC 191 TO I-40								1,795	1,795					3		
		5	I-40 EBL OFF RAMP EXIT 50	FROM I-40 TO US 25								2,006	2,386		24		3		3	
		6	I-40 WBL ON RAMP EXIT 50	FROM US 25 TO I-40								2,323	2,323					3		
		7	I-40 WBL OFF RAMP EXIT 47	FROM I-40 TO NC 191								1,267	1,407		24		3			3
		8	I-40 WBL ON RAMP EXIT 47	FROM NC 191 TO I-40								634	724							
TOTAL FOR PROJ NO. 42298.3.GV1					192	2	2	100	2	45,936	59,900	54,753	69,515	4,810	72	8	11	14	7	3
GRAND TOTAL					192	2	2	100	2	45,936	59,900	54,753	69,515	4,810	72	8	11	14	7	3

* re-use same items for opposite direction



- ### GENERAL NOTES
1. THIS DRAWING IS INTENDED TO SHOW THE SIGN LOCATIONS REQUIRED FOR A WORK ZONE ON A FREEWAY. REFER TO THE ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 9 FOR ADDITIONAL LANE CLOSURE REQUIREMENTS AND GENERAL NOTES.
 2. EACH DIRECTION OF THE PROJECT IS TO BE EVALUATED FOR THE WORK ZONE SIGNING AND TRAFFIC CONTROL DEVICES.
 3. 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.
 4. THE CHANGEABLE MESSAGES ARE IN USE WHEN A LANE CLOSURE IS IN EFFECT. OPTIONAL MESSAGES MAY BE USED WHEN UNEVEN LANES EXIST BETWEEN OPEN LANES OF TRAFFIC. THE CHANGEABLE MESSAGE SIGNS ARE TO BE REMOVED WHEN NEITHER OF THESE CONDITIONS EXIST.
 5. WHEN OPTIONAL CHANGEABLE MESSAGE SIGNS ARE IN EFFECT, THE PORTABLE LANE CLOSURE SIGNS (*1, *2, & *3) WILL BE REMOVED AND THE "UNEVEN LANES" SIGNS WILL BE PLACED ACCORDINGLY.
 6. DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
 7. ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
 8. 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.
 9. CONTACT THE TRAFFIC MANAGEMENT UNIT AT 919-250-4159 FOR ADDITIONAL TRAFFIC CONTROL GUIDANCE.



- ### LEGEND
- FLASHING ARROW PANEL (TYPE C)
 - TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
 - DRUM
 - PORTABLE SIGN
 - DIRECTION OF TRAFFIC FLOW
 - CHANGEABLE MESSAGE SIGN

APPROVED: _____	DATE: _____
"WORK ZONE VARIABLE SPEED LIMIT" REDUCTION WITH PORTABLE SIGNS	
SCALE: NONE	REVISIONS
DATE: 08-08	02-09
DWG. BY: PS	
DESIGN BY: SK	
REVIEWED BY: SK	

SEAL

23-FEB-2009 17:09
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