

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Date JUL 23 1985

Cooley Asphalt Paving Corp  
Contractor

CONTRACT PLANS

THESE PLANS DO NOT REFLECT CHANGES MADE  
ON THE PROJECT AS "RECORD PLANS" WOULD.

Wilfred L. Laprade  
Signature



President

**PROPOSED IMPROVEMENT**

*Acting* Frank E. Olmick  
Signature

RESURFACING PROJECT

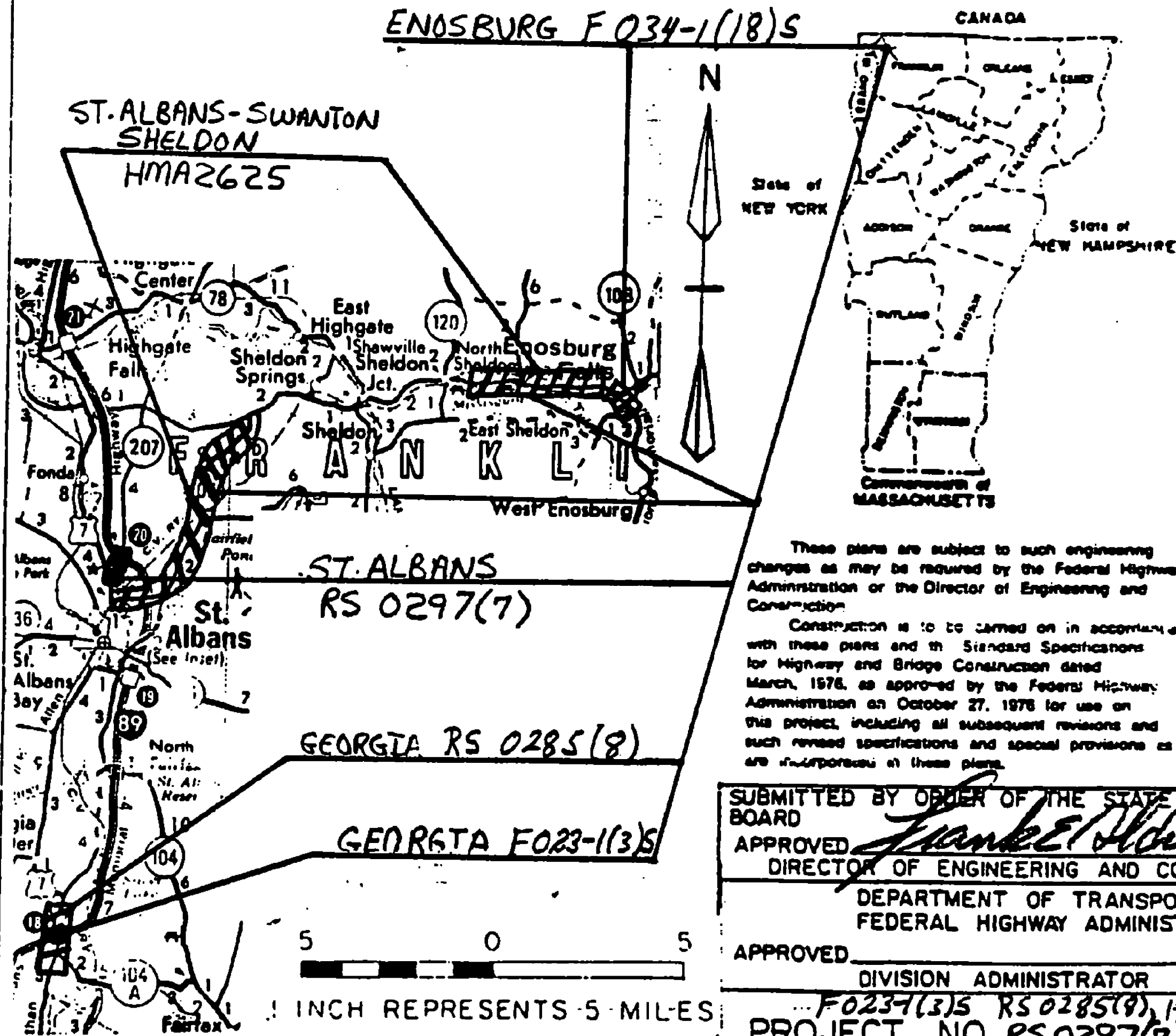
Transportation Secretary ST. ALBANS, GEORGIA, SWANTON

Signature TOWN OF: SHELDON, ENOSBURG

COUNTY OF: FRANKLIN

ROUTE NO: Vt. 207, US 7, Vt. 105

ROUTE CLASS: FAS, FAP



**PROJECT PROCESSED UNDER  
SECONDARY ROAD PLAN**

These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Director of Engineering and Construction.

Construction is to be carried on in accordance with these plans and the Standard Specifications for Highway and Bridge Construction dated March, 1976, as approved by the Federal Highway Administration on October 27, 1976 for use on this project, including all subsequent revisions and such revised specifications and special provisions as are incorporated in these plans.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED Frank E. Olmick DATE 12/21  
DIRECTOR OF ENGINEERING AND CONSTRUCTION

1985

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

DIVISION ADMINISTRATOR

F023-1(3)S RS 0285(8), HMA-2625  
PROJECT NO. RS 0297(7), F034-1(18)S

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PROJECT GEORGIA, ST. ALBANS  
SWANTON, SHELDON, ENOSBURG

NO. RS0285(8) F023-1(3)S  
RS0297(7) HMA 2625  
F034-1(18)S  
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PROJECT GEORGIA, ST. ALBANS, SWANTON  
SHELDON, ENOSBURG

F023-1(3)S  
RS 0285(8), F034-1(18)S  
NO. RS0297(7), HMA 2625

SHEET 28 OF 52 SHEETS

# PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	OPTION													
	LENGTH	WIDTH	OVERLAY DEPTH	LEVELING COURSE	GRAVEL SHOULDERS	GRAVEL SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS ASPHALT	POWER CONCRETE PAVEMENT	CHANGE ELEV. OF CB, DI OR MH	UNIFORMED TRAFFIC OFFICERS	FLAGPERSONS	ALL PURPOSE EXCAVATION RENTAL TYPE I	TOPSOIL
ITEM NO	FT.	FT.	IN.	TONS/ML	402.10 CY.	402.11 TON	404.65 CWT	406.25 TON	608.30 HR	604.40 EA.	630.10 HR.	630.15 HR.	608.25 HR.	653.10 CY
GEORGIA F023-1(3)S							15	640	2	6	35	35	5	6
GEORGIA RS 0285(8)							25	1200	5	1	60	60	5	15
ST. ALBANS RS 0297(7)							20	1010	5	1	55	55	5	10
ST. ALBANS - SWANTON - SHELDON - HMA 2625					3100	5375	175	11000	85	4	550	550	20	210
ENOSBURG F034-1(18)S					140	240	10	500	5	1	25	25	5	10
<b>TOTALS</b>					3240	5615	245	14350	102	13	725	725	40	251

COMPOSITE PROJECT GEORGIA, ST. ALBANS, SWANTON, SHELDON, ENOSBURG NO. F023-1(3)S RS0285(8)  
RS0297(7), HMA2625 SHEET 3 OF 52  
F034-1(18)S

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM NO	ITEM DESCRIPTION											
	MOBILIZATION	TEMPORARY MARKINGS	TEMPORARY MARKINGS	TEMPORARY MARKINGS	TEMPORARY MARKINGS	TEMPORARY MARKINGS	TEMPORARY MARKINGS	TEMPORARY MARKINGS	TEMPORARY MARKINGS	TEMPORARY MARKINGS	TEMPORARY MARKINGS	TEMPORARY MARKINGS
635.10	646.35	646.36	646.60	646.21	646.65	646.68	646.66	646.64	646.62	646.67		
UNIT	LS	LF	LF	LF	LF	EA.	LF.	EA.	LF.	LF.	EA.	
LOCATION												
GEORGIA F023-1(3)S	0.02	3140	5574	290	440	4	1345	16				
GEORGIA RS 0285(8)	0.05	6670	16950	200	780	2	1630	8				
ST. ALBANS RS 0297(7)	0.04	4800	3330	495	290	2		21	24	420		
ST. ALBANS - SWANTON - SHELDON HMA 2625	0.85	11050	149310					13	20		6	
ENOSBURG F034-1(18)S	0.04	4950	8400								1	
TOTALS	1.00	129610	183,554	985	1510	8	2975	58	44	420	7	

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION

TRAFFIC SIGNS - TYPE A  
 ALUMINUM SIGN POSTS  
 DURABLE 4" REFLECTORIZED YELLOW LINE

ITEM NO	675.21	675.35	646.61										
UNIT	SF.	LBS.	L.F.										
GEORGIA F023-1(3)S													
GEORGIA RS 0285(8)													
ST. ALBANS RS 0297(7)			390										
ST. ALBANS - SWANTON - SHELDON HMA 2625	28.4	96											
ENOSBURG F034-1(18)S													
TOTALS	28.4	96	390										

GUIDELINES FOR MINIMUM INTERIM PAVEMENT MARKINGS  
IN CONSTRUCTION ZONES

- A. CENTERLINE AND GORE AREA MARKINGS SHALL BE APPLIED AT THE END OF EACH WORKING DAY. THE FOLLOWING LAYOUT REQUIREMENTS SHALL BE MET:

NO PASSING BARRIER  
SOLID STRIPES.

DASHED LINE  
10-FOOT SOLID LINE WITH 30-FOOT GAP.

GORE AREA  
(GORE AREAS TO INCLUDE 8' CHANNELIZING LINE AND DASHED LINE)  
PER STANDARD SHEET E-50

- B. EDGE LINES  
WHEN SPECIFIED, EDGE LINES ARE NOT REQUIRED UNTIL COMPLETION OF THE PROJECT. ON INTERSTATE PROJECTS, TEMPORARY EDGE LINES SHOULD BE APPLIED WHERE TRAFFIC VOLUMES AND SPEEDS ARE HIGH AND DELAY OF SEVERAL DAYS IS ANTICIPATED.

- C. TEMPORARY MARKINGS MAY CONSIST OF PAINT, TAPE OR RAISED PAVEMENT MARKERS (RPM'S). THE TAPE SHALL BE A RETRO-REFLECTIVE FILM ON A CONFORMABLE METALLIC BACKING THAT CAN BE PAVED OVER. TAPE MAY BE USED ON THE FINAL SURFACE COURSE IF IT WILL NOT INTERFERE WITH THE FINAL MARKING APPLICATION. TEMPORARY TAPE MARKINGS WILL BE OFFSET AND REMOVED WHEN PROJECT IS FINISHED AND FINAL CENTERLINE PAINTED. THE TAPE SHALL BE THE TYPE THAT IS REMOVABLE INTACT AND NOT SEPERATE AT ANY TIME. THE RPM'S SHALL HAVE A SELF-ADHESIVE BACKING EASILY REMOVED BEFORE PAVING AND SHALL CONFORM TO THE FOLLOWING LAYOUT PATTERN:

NO PASSING BARRIER  
NO RPM'S ALLOWED.

DASHED LINE  
FOUR RETRO-REFLECTIVE RPM'S ON 3 1/2 FOOT CENTERS WITH A 30' GAP.

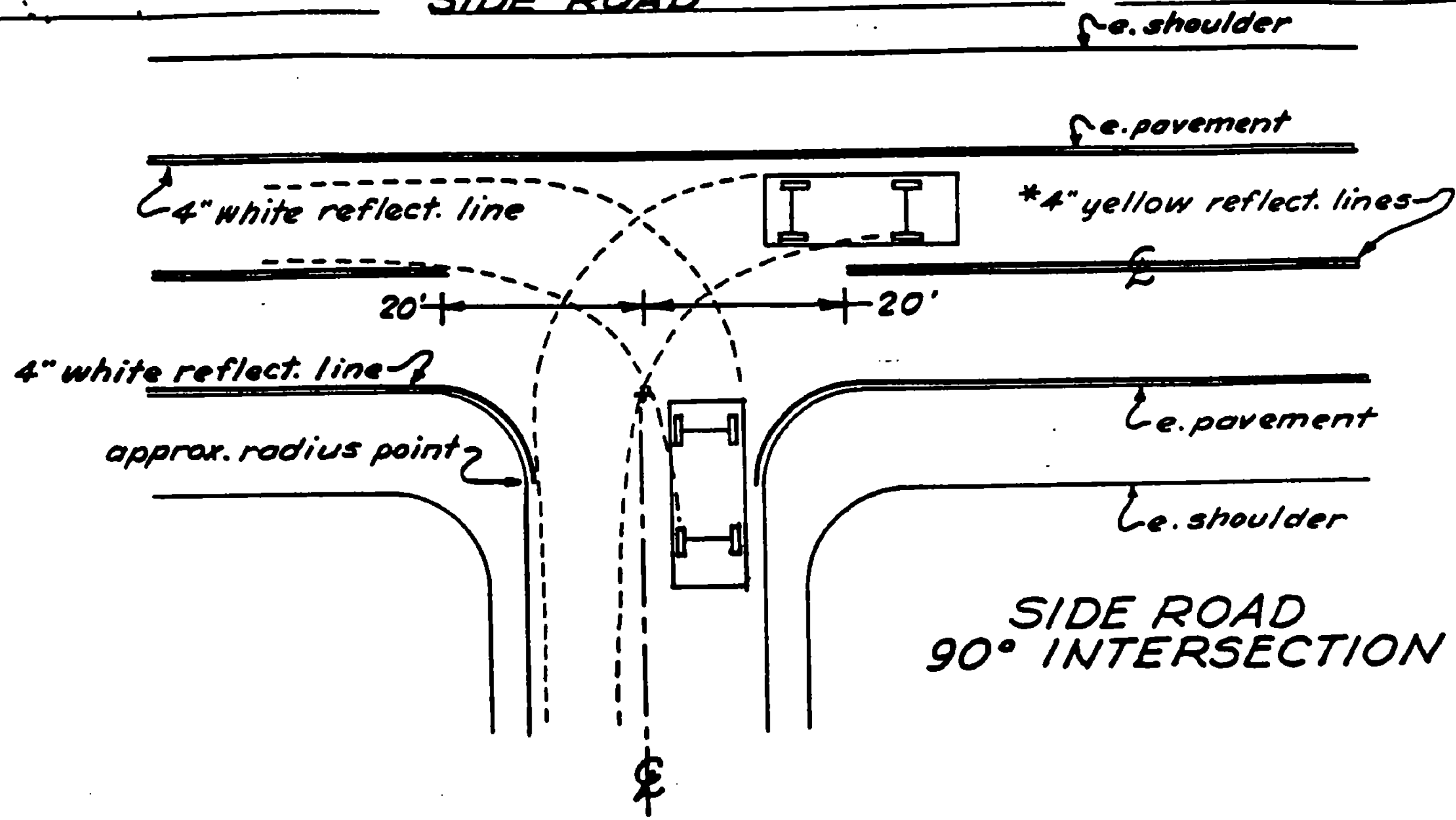
SOLID LINE - EDGE LINES  
INTERSTATE MEDIAN SIDE-RETRO-REFLECTIVE RPM'S ON 4 TO 5 FOOT CENTER.  
DRIVERS RIGHT SIDE-RPM'S NOT ALLOWED.

- D. WHEN PAINT IS USED FOR TEMPORARY MARKING, AN ALTERNATE MATERIAL SUCH AS TAPE OR RPM'S SHALL BE ON HAND IN THE EVENT RAIN PREVENTS THE PAINT APPLICATION FROM BEING COMPLETED. ALL PAINT SHALL BE REFLECTORIZED.
- E. PAYMENT FOR PAINT AND TAPE SHALL BE COMPUTED ON A LINEAR FOOT BASIS AS IF PAINT WAS USED. PAYMENT FOR THE RPM'S SHALL BE COMPUTED AS IF AN EQUIVALENT PAINT LINE WAS USED. (FOR EXAMPLE, DASHED LINE PAID AS 10 FEET OF PAINT, SOLID LINE PAID AS THE TOTAL DISTANCE COVERED WITH THE MARKERS).
- F. PRIOR TO ACCEPTANCE, THE PAVEMENT MARKINGS SHALL BE COMPLETED FOR THE ENTIRE PROJECT BY THE CONTRACTOR AS DETAILED ON THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.

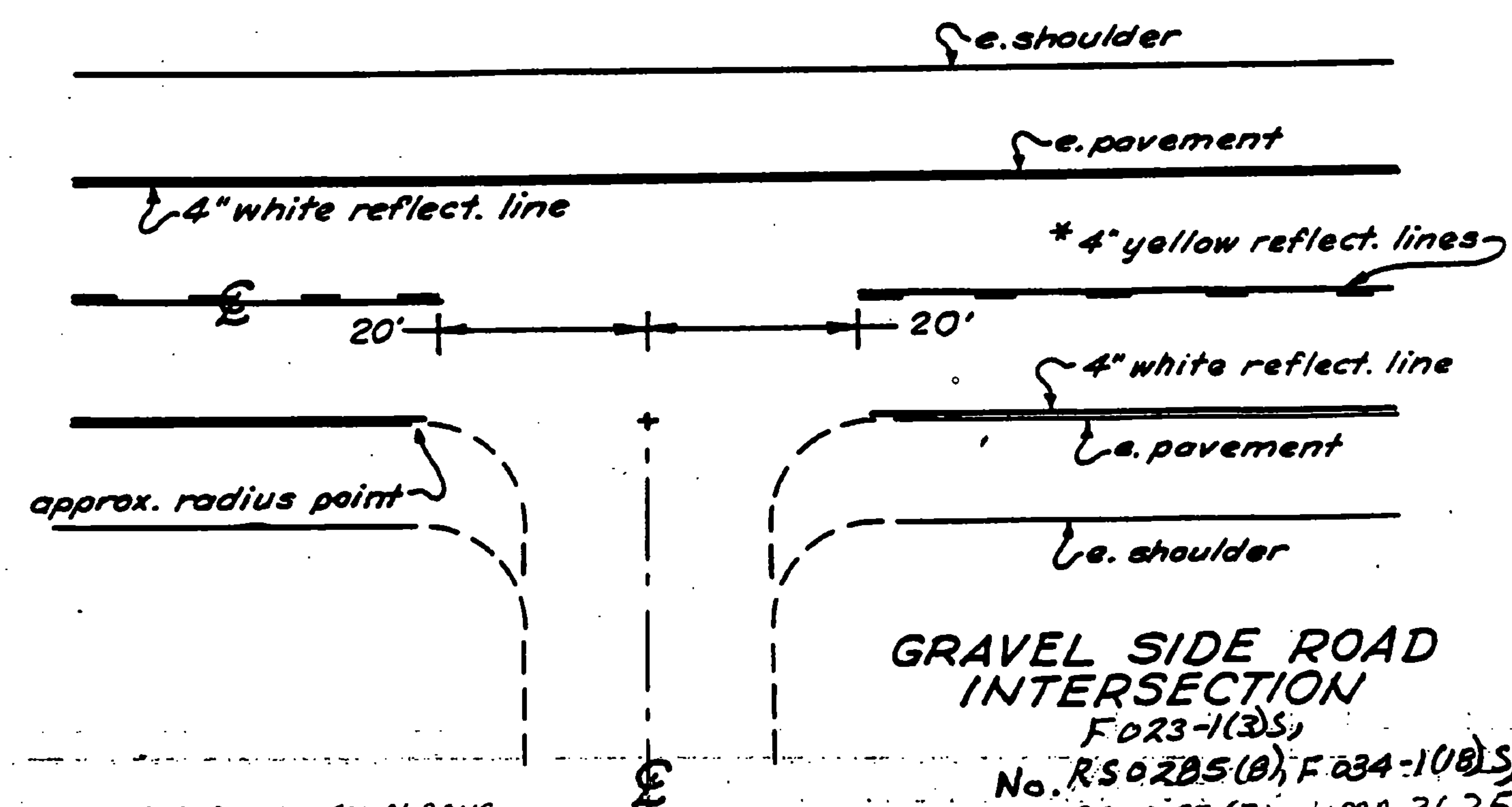
REVISED.  
02/11/85-

F023-1(3)S,  
No. RS0285(B), F034-1(18)S,  
RS0297(7), HMA 2625  
SHEET 5 OF 52 SHEETS

PROJECT GEORGIA, ST. ALBANS  
SWANTON, SHELDON, ENGBURG

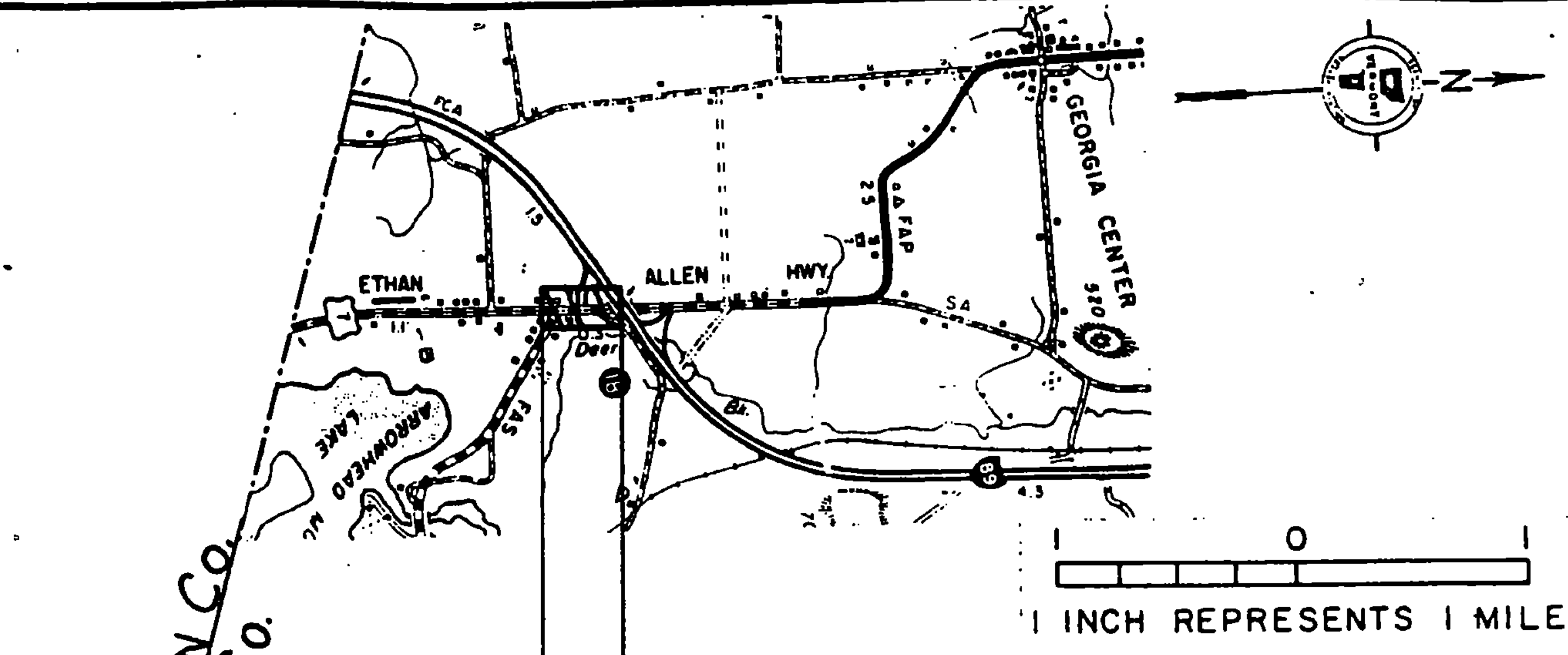


\* Centerline treatment shall consist of a minimum of 400 feet of solid line in advance of the intersection and shall be paired with either a solid or dashed line depending on sight distance availability in the opposing lane.



GRAVEL SIDE ROAD INTERSECTION  
 F023-1(2S)  
 No. RS0205(0), F034-1(0)S,  
 RS0297(7), HMA 2625  
 SHEET 6 OF 52 SHEETS

# PROJECT DESCRIPTION AND LOCATION



LENGTH OF PROJECT  
0.297 MILES  
1568 FEET

BEGIN PROJECT  
MM 1.103

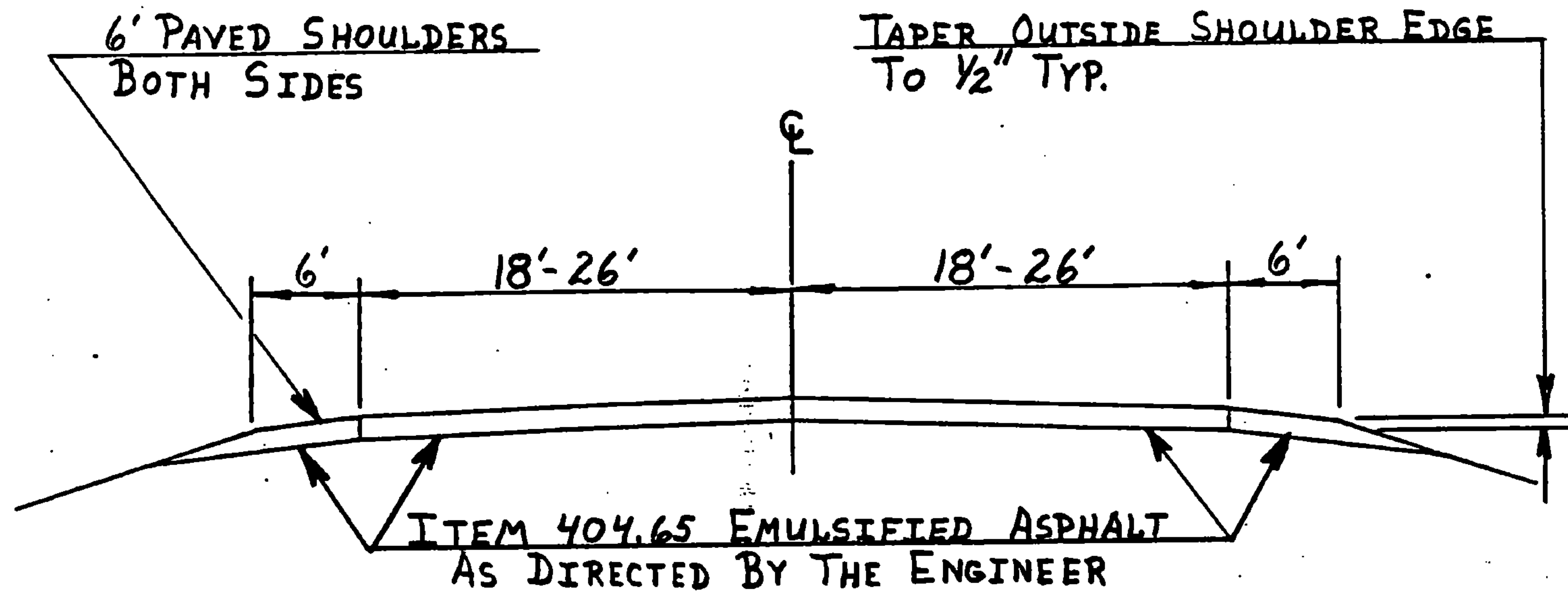
END PROJECT  
MM 1.400

THIS PROJECT BEGINS AT A POINT 1.10 MILES NORTH  
OF THE MILTON-GEORGIA TOWN LINE AT MM 1.103 AND  
EXTENDS NORTHERLY 0.297 MILES TO MM 1.400.

TRAFFIC DATA  
1982 ADT= 2650  
V=50 MPH

# TYPICAL SECTIONS & DESIGN DATA

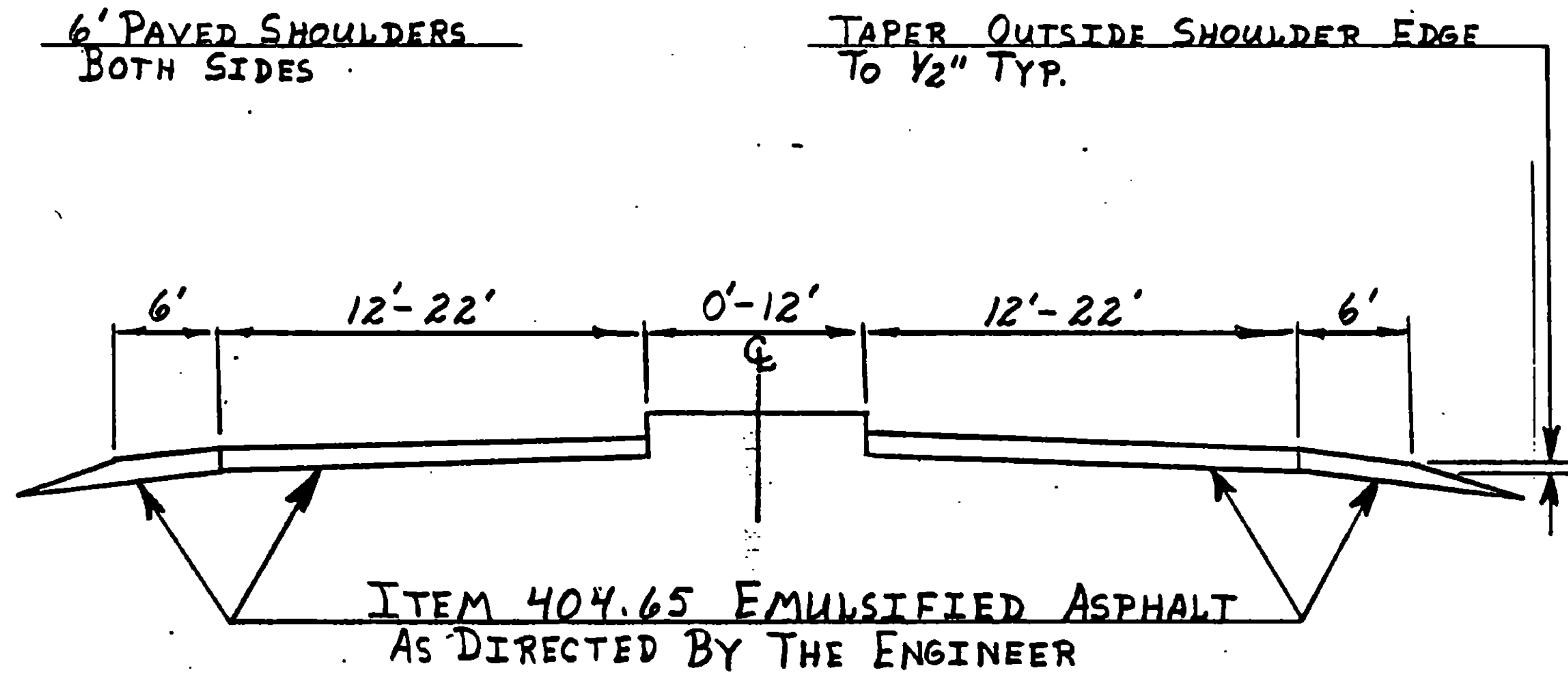
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
 LEVELING COURSE, TYPE III OR IV (SEE TABLE BELOW)  
 AS DIRECTED BY THE ENGINEER  
 1" WEARING COURSE, TYPE III



DISTANCE	WIDTH PAVED SHOULDER	WIDTH TRAVELED-WAY	WIDTH PAVED SHOULDER	LEVEL TONNAGE / MILE
MM 1.103-1.11	6	52	6	591
MM 1.26-1.27	6	52	6	591
MM 1.35-1.40	6	36	6	409

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
 LEVELING COURSE, TYPE III OR IV (SEE TABLE BELOW)  
 AS DIRECTED BY THE ENGINEER  
 1" WEARING COURSE, TYPE III



DISTANCE	WIDTH PAVED SHOULDER	WIDTH TRAVELED WAY	WIDTH MEDIAN	WIDTH PAVED SHOULDER	LEVEL TONNAGE/MT.
MM 1.11-1.26	6	44	4' UNPAVED	6	500
MM 1.27-1.31	6	36	12' UNPAVED	6	409
MM 1.31-1.35	6	24	0-12' PAVED	6	341

ITEM DESCRIPTION

LENGTH  
 OVERLAY DEPTH  
 SHOULDER WIDTH  
 TRAVELED WAY - WIDTH  
 PAVED MEDIAN WIDTH (AVE.)  
 LEVELING COURSE  
 EMULSIFIED ASPHALT  
 BITUMINOUS CONC. PAVT.  
 CHANGE ELEV. D.I., C.B., M.H.  
 ALL PURPOSE Exc. RENTAL

ITEM NUMBER	FT.	IN.	FT.	FT.	FT.	T/M	404.65 CWT	406.25 TON	604.40 EA.	608.25 HR.	
MM 1.103-1.11	37	1	12	52	-		1.	15.			PAVED SHOULDERS
						591		4.			LEVEL
MM 1.11-1.26	793			44	-		6.	274			
						500		75.			
MM 1.26-1.27	53			52	-		1.	21.			
						591		6.			
MM 1.27-1.31	211			36	-		1.	63.			
						409		16.			
MM 1.31-1.35	211			24	6		1.	47.			
						341		14.			
MM 1.35-1.40	264	1	12	36	-		2.	78.			PAVED SHOULDERS
						409		20.			LEVEL
PROJECT EST.									6	5	
ROUNDING								7			
TOTAL							15.	640.	6.	5.	

PROJECT GEORGIA

NO. F 023-1(3)S

SHEET 10 OF 52 SHEETS

ITEM DESCRIPTION

ITEM NUMBER	POWER BROOM RENTAL		UNIFORMED TRAFFIC OFFICERS		FLAG PERSONS MOBILIZATION		4" REFLECT. WHITE LINE TEMP.		4" REFLECT. YELLOW LINE TEMP.		TOPSOIL DURABLE 4" REFLECTORIZED WHITE LINE		PAINTED CURB DURABLE ARROW MKGS. DURABLE 8" REFLECTORIZED YELLOW LINES	
	608.30	630.10	630.15	635.10	646.35	646.36	653.10	646.60	646.21	646.65	646.68			
UNIT	HR.	HR.	HR.	L.S.	FT.	FT.	C.Y.	L.F.	L.F.	EA.	L.F.			
LOCATION														
MM 1.12 LT.								120					LT. TURN LANE	
MM 1.24 RT.								170					LT. TURN LANE	
MM 1.12									130				ISLAND	
MM 1.24									130				ISLAND	
MM 1.28									180				ISLAND	
MM 1.24 RT.										2			LT. TURN LANE	
MM 1.12 LT.										2			LT. TURN LANE	
MM 1.13-1.225												1125	PAINTED ISLAND	
MM 1.31-1.35												220	PAINTED ISLAND	
PROJECT EST.	2	32	32	0.02	31	36	55	64	0.6					
ROUNDING		3	3		4	6								
TOTAL	2	35	35	0.02	31	40	55	70	0.6	290	440	4	1345	

NO. F023-1(3)S

SHEET 14 OF 52 SHEETS

PROJECT GEORGIA

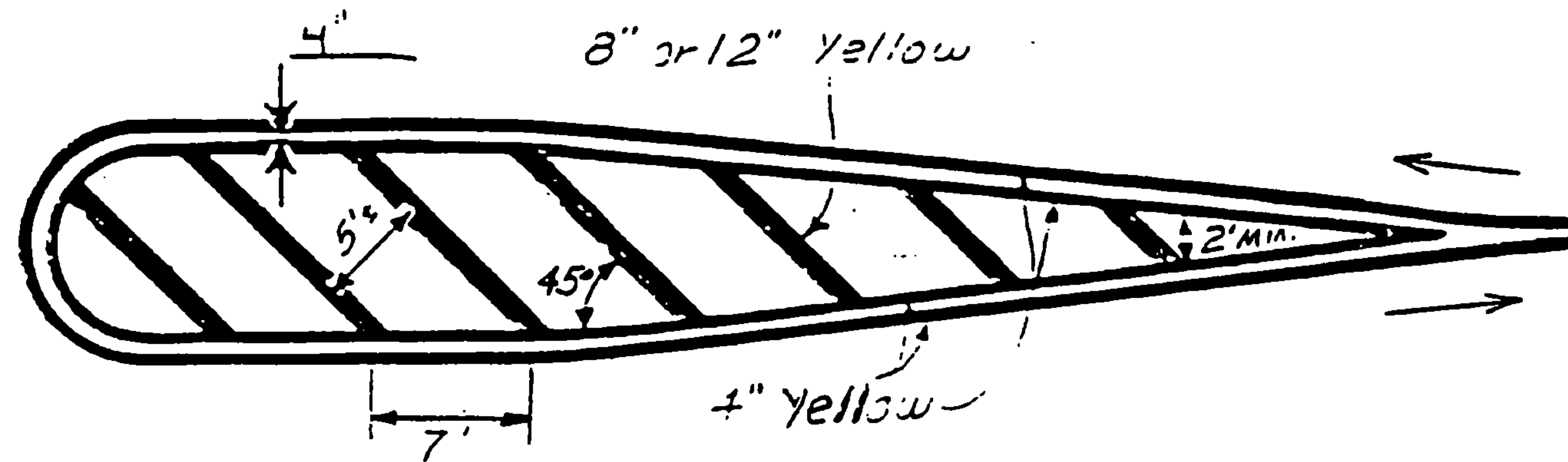


646.21 Painted Curb  
 MM 1.12 130 FT. MM 1.26 60 L.F.  
 MM 1.24 130 FT.  
 MM 1.28 180 FT.  
 646.25 Durable Arrow Mkgs.  
 MM 1.12 Lt. Left Turn Lane 2 EA.  
 MM 1.24 Lt. " " 2 EA.  
 646.50 Durable 4" ReflectORIZED White Line  
 MM 1.12 Lt. Left Turn Lane 120'  
 MM 1.24 Rt. " " 170'  
 646.68 Durable 8" ReflectORIZED Yellow Lines  
 MM 1.13 ~ 1.225 Painted Island 1125 L.F.  
 MM 1.31 ~ 1.35 " " 220 L.F.  
 646.66 Durable Letter In Word Mkgs.  
 MM 1.12 Lt. Left Turn Lane " ONLY" 8 EA.  
 MM 1.24 Rt. " " " " 8 EA.

646.35 4" White ReflectORIZED Line  
 MM 1.103 - 1.400  
 $1568 \times 2 = 3136$  L.F.  
 646.36 4" ReflectORIZED Yellow Line  
 MM 1.103 ~ 1.13 = 143 L.F.  $\times 2 = 286$  L.F.  
 1.13 ~ 1.225 = 502  $\times 4 = 2008$   
 1.225 ~ 1.31 = 449  $\times 2 = 898$   
 1.31 ~ 1.35 = 211  $\times 4 = 844$   
 1.35 ~ 1.40 = 264  $\times 2 = 528$   
 4564  
 1000  
 5564  
 Projected Loss

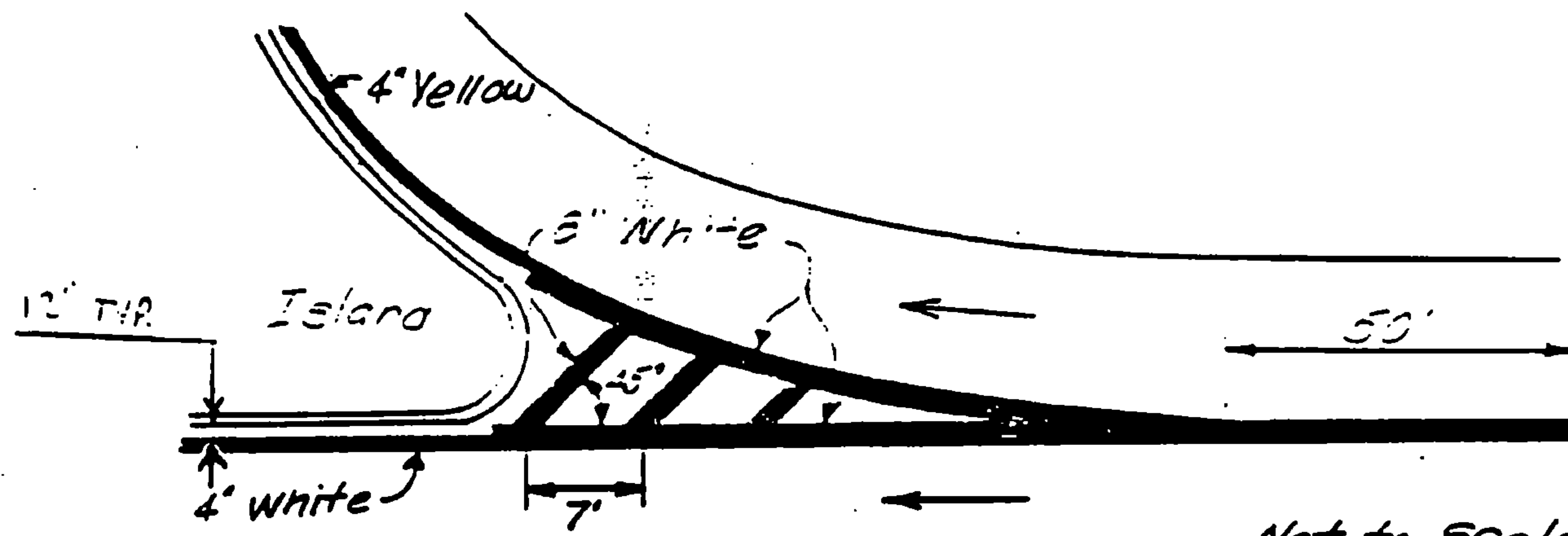
# SPECIAL MARKING DETAILS

## Painted Island Detail



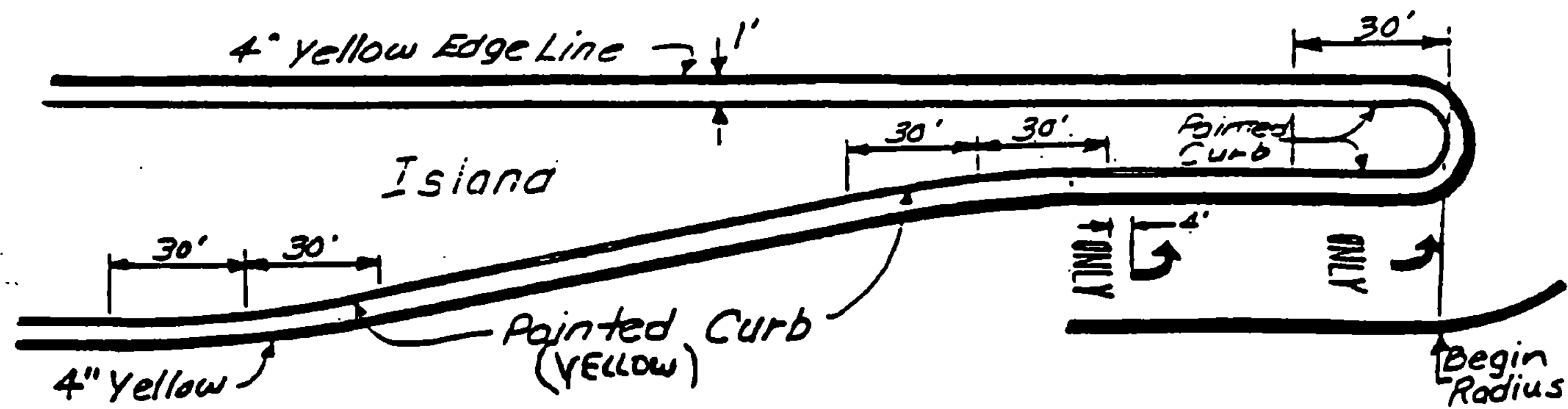
Not to Scale

## Gore Marking Detail - Exit



Not to Scale

## Turn Lane and Painted Curb Detail



Not to Scale

## APPLICATION NOTES

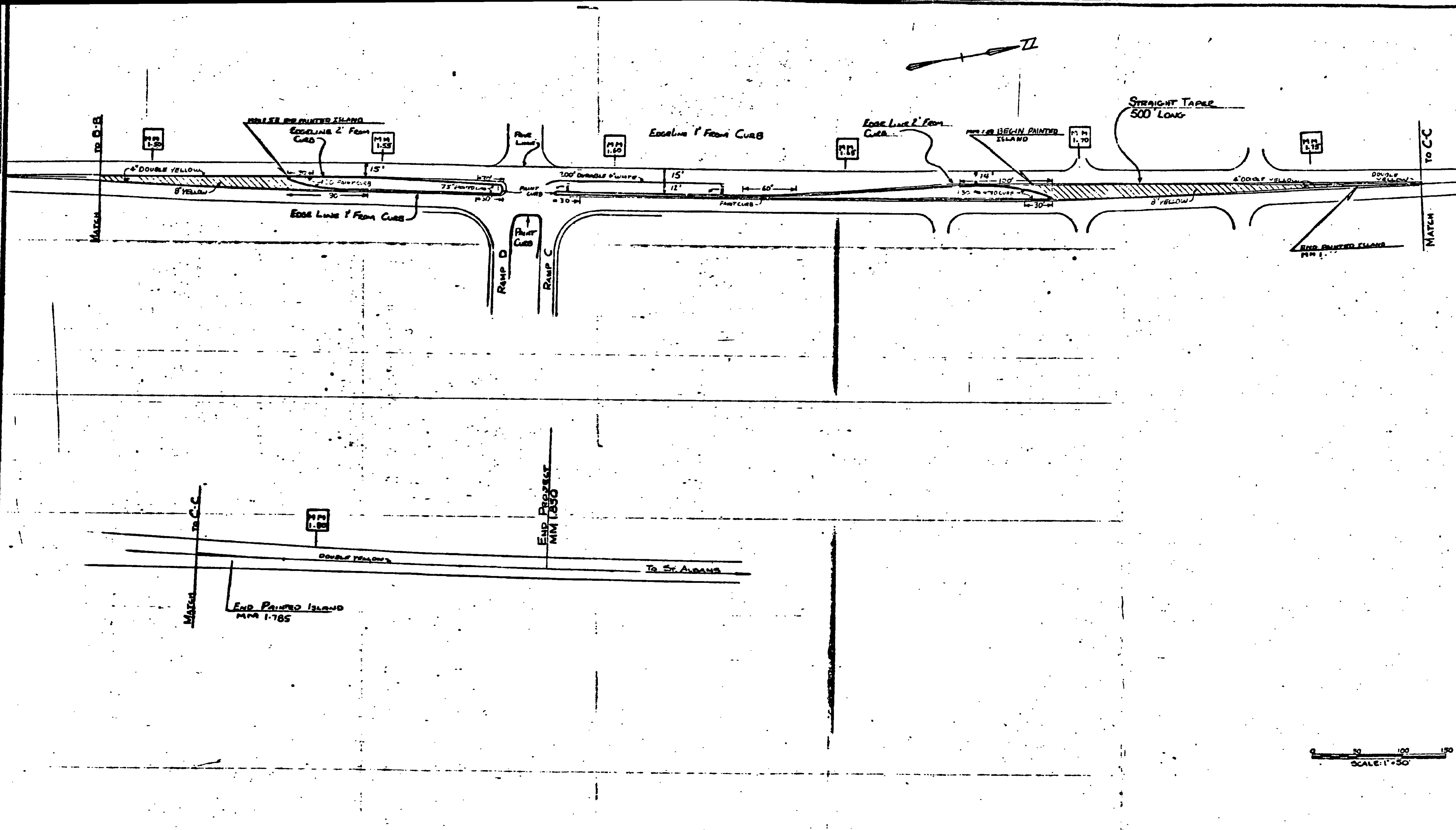
1. Edge lines shall be placed 1'-0" from curb.
2. Lane widths based on available roadway width. Preference shall be given to thru lanes with a preferred width of 12'. Left and right turn lanes may be between 10'-12' in width.
3. Exclusive turn lanes (left or right) - Turn lane lanes shall be solid and extend back from the stopbar an adequate distance to store turning vehicles. Generally, the lane line will extend back to the point of full lane width. The edge line taper rate should be 15:1 (minimum). In urban areas an 80' minimum is required. In both rural and urban areas a 200' taper is desirable. An estimate of length required can be determined by dividing the average hourly turning volume by the number of cycles per hour. Multiply the result by 25' per vehicle and then multiply by 1.5 to 2.0. Existing geometry may restrict turn lane length.
4. Turn arrows shall be placed at the begin and end of the left or right turn lane and in the middle if the lane length exceeds 200'.
5. Turn arrows placed at the end of the lane with the stop bar shall be placed with a 4' gap between the stop bar and arrow.
6. There shall be a 4' gap between turn arrows and word markings.
7. When word markings are used at the beginning of a turn lane the markings shall begin at the start of the solid white lane line.
8. The word marking STOP shall be placed with a 4' gap between the marking and the stop bar.
9. Gore markings shown are only approximate. Marking shall be as detailed on Standard Sheet E-50.
10. Stopbars shall be located no closer than 40' from the nearest signal face and no further than 120' from the furthest face. At intersections where there are existing vehicle detector loops, care should be taken in locating the stop bar. In most cases the stopbar should be at or just behind the front edge of the loop.



If loop locations are not known, contact either the Maintenance Division or Traffic Design for information.

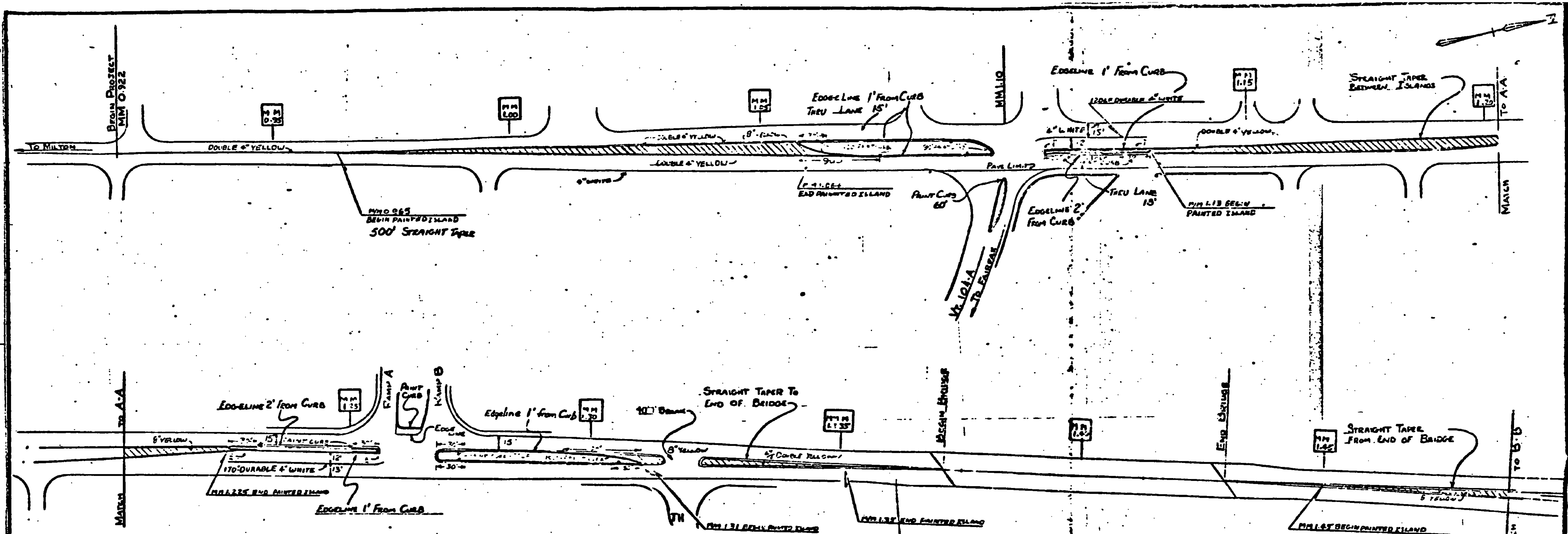
11. Dotted line extensions (lane lines and/or centerline) may be used at some intersections to emphasize turning paths.

Revision - 11/84  
 Note 3 revised  
 Notes 10&11 added



DATUM \_\_\_\_\_  
 VERTICAL \_\_\_\_\_  
 HORIZONTAL \_\_\_\_\_

SURVEYED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 DRAWN BY JEM DATE \_\_\_\_\_  
 TRACED BY P.M. DATE \_\_\_\_\_  
 GEORGIA - U.S. 7  
 PROJ. F NO 023-1(3)S  
 SHEET 14 OF 52



**TEMPORARY 4" REFLECTORIZED YELLOW LINE**

MM	0.920	- 0.965	= 240 LF ± 2
	0.965	- 1.060	= 500 LF ± 4
	1.060	- 1.100	= 210 LF ± 2
	1.110	- 1.113	= 118 LF ± 2
	1.13	- 1.225	= 500 LF ± 4
	1.225	- 1.266	= 165 LF ± 2
	1.269	- 1.310	= 220 LF ± 2
	1.310	- 1.353	= 65 LF ± 2
	1.351	- 1.390	= 260 LF ± 2
	1.390	- 1.438	= 312 LF ± 2
	1.438	- 1.530	= 488 LF ± 2
	1.530	- 1.577	= 250 LF ± 2
	1.579	- 1.640	= 338 LF ± 2
	1.640	- 1.795	= 510 LF ± 2
	1.795	- 1.950	= 345 LF ± 2

& Lost During SHIMAZING (EST)

**TEMPORARY 4" WHITE REFLECTORIZED LINE**

MM 0.922 - 1.850 = 4650 LF ± 2

**DURABLE 4" REFLECTORIZED WHITE LINE**

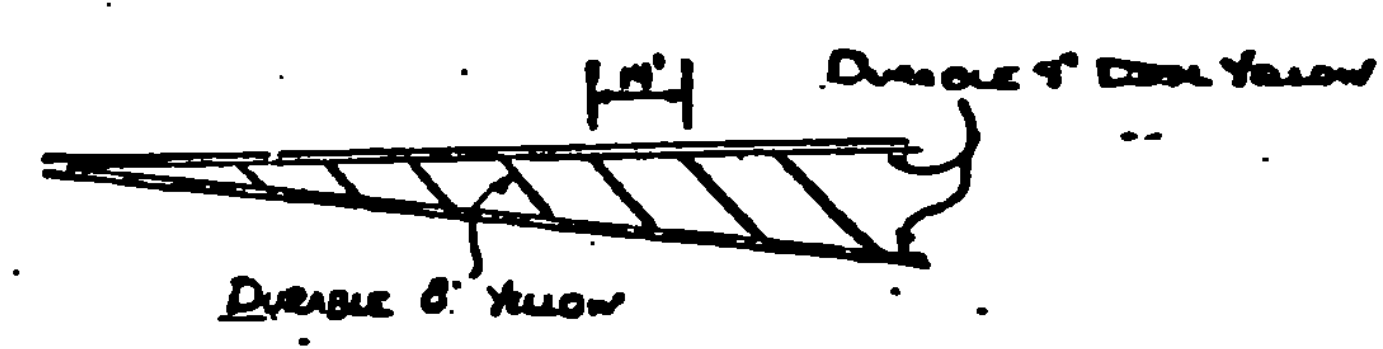
MM 1.12 LT-LT TURN LANE  
MM 1.24 RT-LT TURN LANE  
MM 1.60 LT-LT TURN LANE

**DURABLE ARROW MARKINGS**

MM 1.12 LT-LT TURN LANE  
MM 1.24 RT-LT TURN LANE  
MM 1.60 LT-LT TURN LANE

**DURABLE LETTER IN WORD MARKINGS**

MM 1.12 LT-LT TURN LANE - ONLY, ONLY  
MM 1.24 RT-LT TURN LANE - ONLY, ONLY  
MM 1.60 LT-LT TURN LANE - ONLY, ONLY

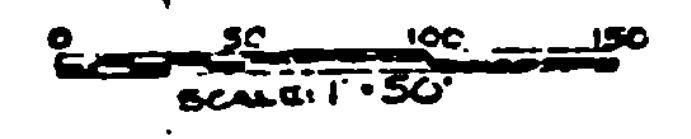


**DURABLE 8" REFLECTORIZED YELLOW LINES**

MM 0.965 - 1.06 PAINTED ISLAND  
MM 1.13 - 1.25 PAINTED ISLAND  
MM 1.31 - 1.35 PAINTED ISLAND  
MM 1.43 - 1.53 PAINTED ISLAND  
MM 1.69 - 1.76 PAINTED ISLAND

**PAINTED CURB**

ISLAND - MM 1.06 ✓  
ISLAND - MM 1.10 ✓  
ISLAND - MM 1.12 ✓  
ISLAND - MM 1.24 ✓  
ISLAND - MM 1.26 ✓  
ISLAND - MM 1.28 ✓  
ISLAND - MM 1.35 ✓  
ISLAND - MM 1.43 ✓  
ISLAND - MM 1.53 ✓

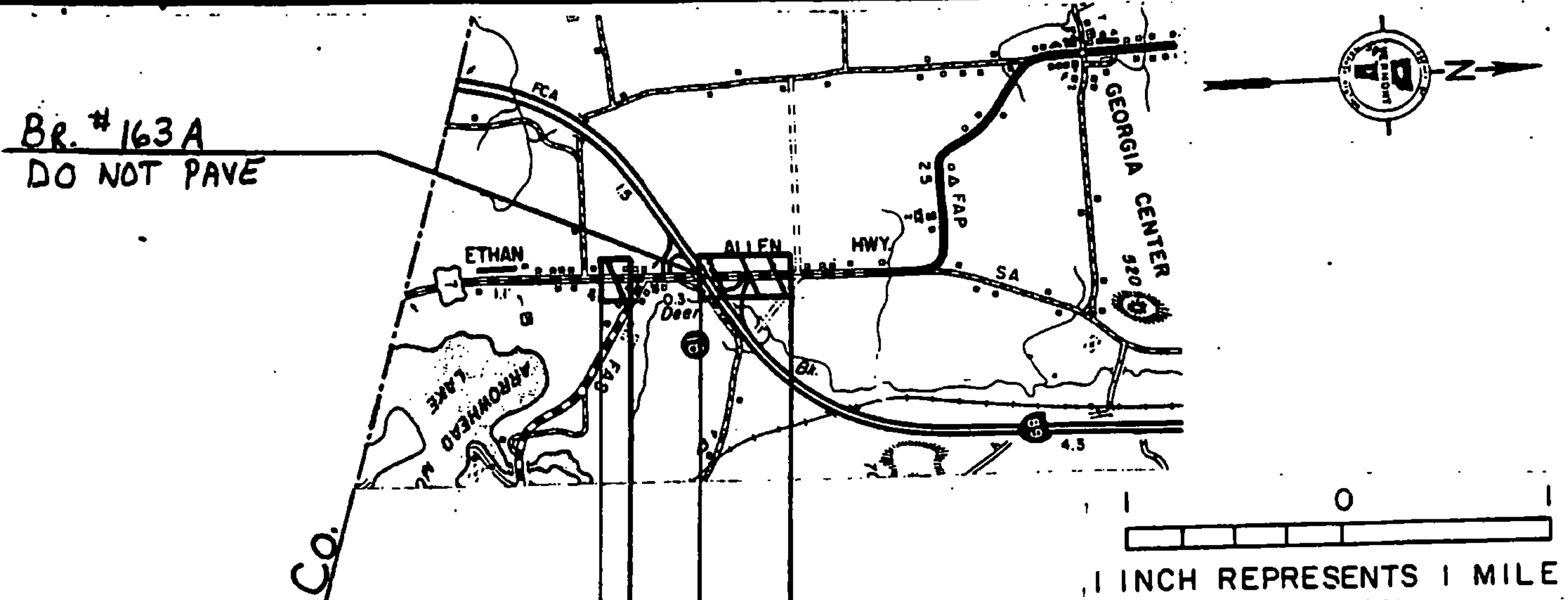


DATUM  
VERTICAL \_\_\_\_\_  
HORIZONTAL \_\_\_\_\_

SURVEYED BY	_____	DATE	_____
DRAWN BY	JFM	DATE	_____
TRACED BY	EM	DATE	_____
GEORGIA - U.S. Pr. 7			
PROJ. HMA NO. 2636			
SHEET 14 OF 34			

F023-1(3)S  
SHEET 14 OF 32

# PROJECT DESCRIPTION AND LOCATION



MILTON-CHITENDEN CO.  
 GEORGIA-FRANKLIN CO.

LENGTH OF PROJECT  
 3331 FEET  
 0.631 MILE

TRAFFIC DATA  
 1982 ADT = 2650  
 V = 50 MPH

BEGIN PART 1  
 MM 0.922

END PART 2  
 MM 1.850

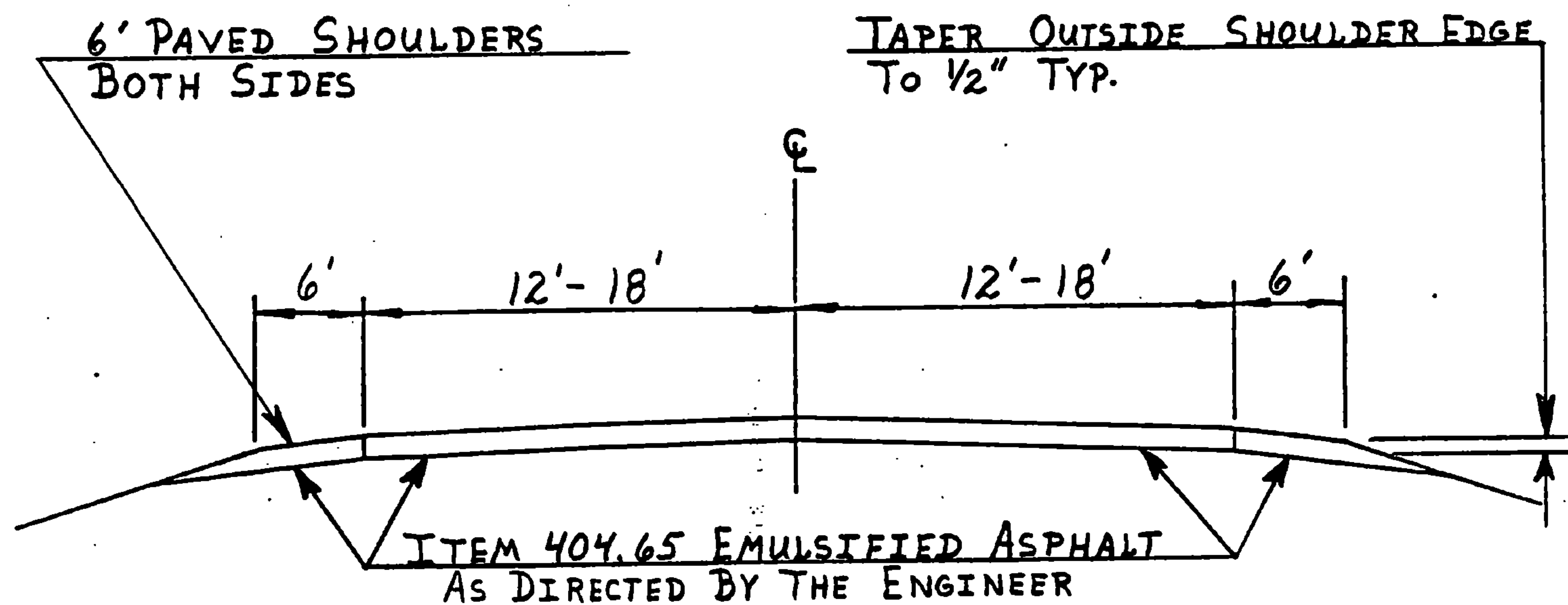
END PART 1  
 MM 1.103

BEGIN PART 2  
 MM 1.400

THIS PROJECT IS DIVIDED INTO TWO PARTS - PART 1 BEGINS AT A POINT ON U.S. RTE 7 APPROX. 1 MILE NORTH OF THE MILTON-GEORGIA TOWN LINE AT MM 0.922 AND EXTENDS TO MM 1.103. PART 2 BEGINS AT MM 1.400 AND EXTENDS TO MM 1.850.

# TYPICAL SECTIONS & DESIGN DATA

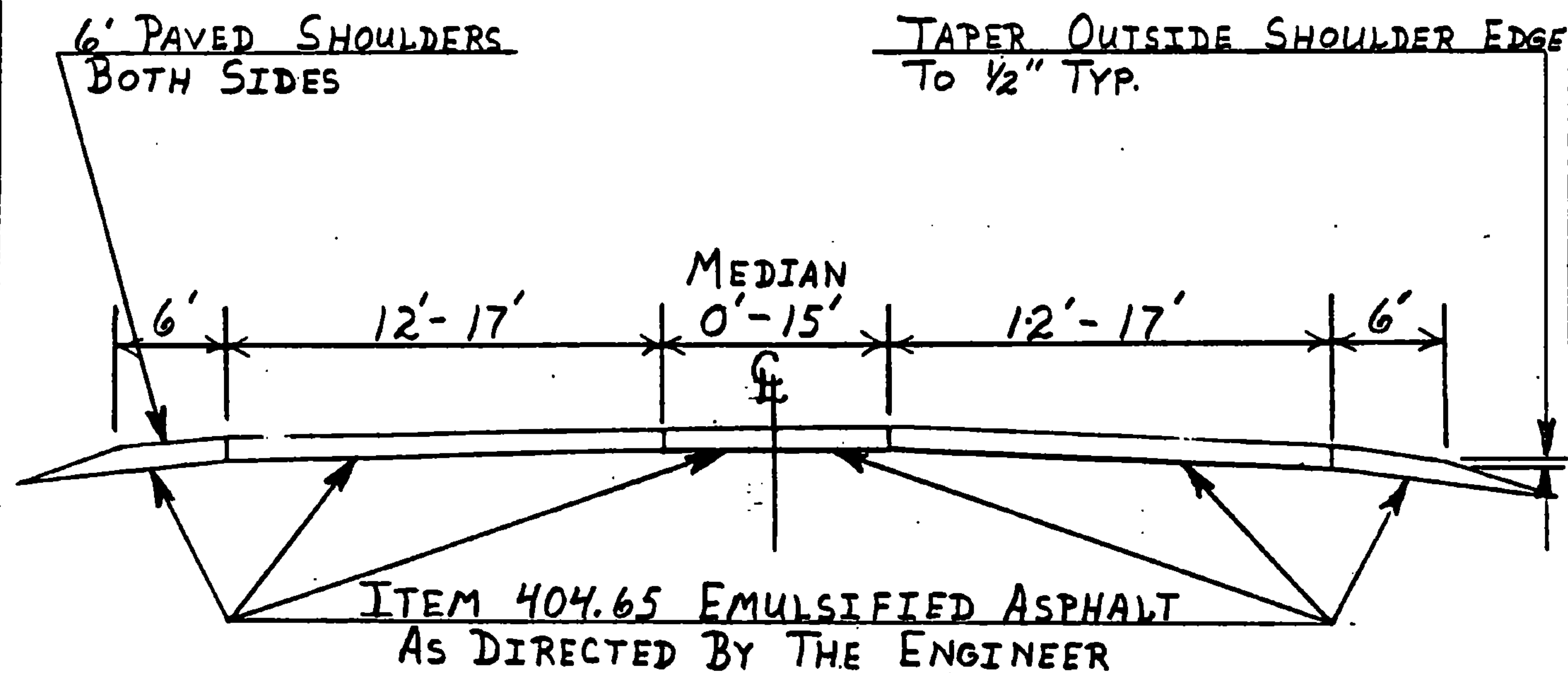
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
 LEVELING COURSE, TYPE III OR IV (SEE TABLE BELOW)  
 AS DIRECTED BY THE ENGINEER  
 1" WEARING COURSE, TYPE III



DISTANCE	WIDTH PAVED SHOULDER	WIDTH TRAVELED-WAY	WIDTH PAVED SHOULDER	LEVEL TONNAGE / MILE
MM 0.922-0.97	6	34	6	386
MM 1.400-1.45	6	36	6	409
MM 1.58-1.59	6	36	6	409
MM 1.76-1.850	6	24	6	273

# TYPICAL SECTIONS & DESIGN DATA

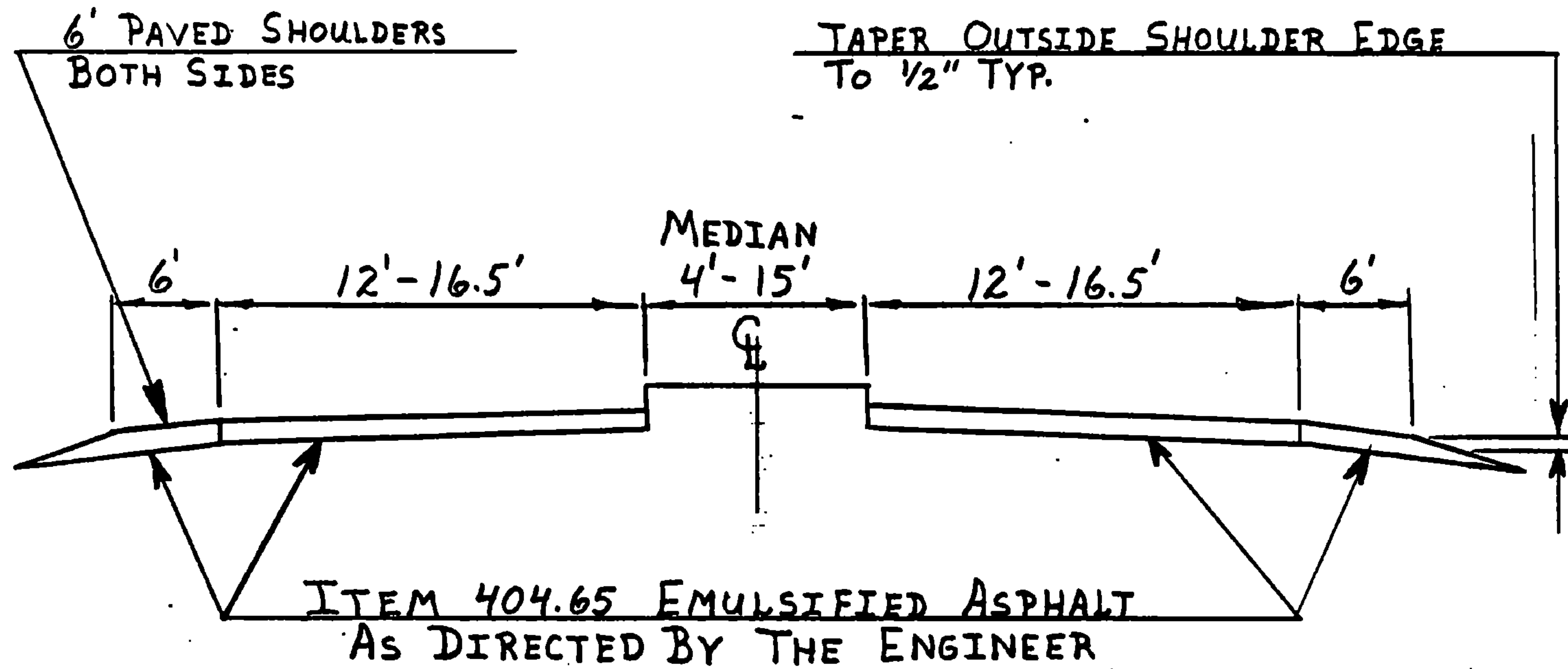
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
 LEVELING COURSE, TYPE III OR IV (SEE TABLE BELOW)  
 AS DIRECTED BY THE ENGINEER  
 1" WEARING COURSE, TYPE III



DISTANCE	WIDTH PAVED SHOULDER	WIDTH TRAVELED WAY	WIDTH PAVED MEDIAN	WIDTH PAVED SHOULDER	LEVEL TONNAGE/MILE
MM 0.97-1.06	6	34	0-15	6	472
MM 1.45-1.54	6	24	0-12	6	341
MM 1.69-1.76	6	24	0-12	6	341

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
 LEVELING COURSE, TYPE III OR IV (SEE TABLE BELOW)  
 AS DIRECTED BY THE ENGINEER  
 1" WEARING COURSE, TYPE III



DISTANCE	WIDTH PAVED SHOULDER	WIDTH TRAVELED WAY	WIDTH UNPAVED MEDIAN	WIDTH PAVED SHOULDER	LEVEL TONNAGE/MILE
MM 1.06-1.103	6	33	15	6	375
MM 1.54-1.58	6	24	12	6	273
MM 1.59-1.69	6	24	4-12	6	273

ITEM DESCRIPTION

LENGTH  
 OVERLAY DEPTH  
 SHOULDER WIDTH  
 WIDTH-TRAVELED WAY  
 WIDTH-PAVED MEDIAN  
 LEVELING COURSE  
 EMULSIFIED ASPHALT  
 BITUMINOUS CONC. PAVT.  
 CHANGE ELEV. D.I. C.B. M.H.  
 ALL PURPOSE Exc. RENTAL

ITEM NUMBER	FT.	IN.	FT.	FT.	FT.	T/MI.	404.65 CWT	406.25 TON	604.40 EA.	608.25 HR.	
UNIT											
LOCATION											
MM 0.922-0.97	253	1	12	34	-		2	72			PAVED SHOULDERS LEVEL
						386		19			
MM 0.97-1.06	475			34	7.5		4	157			
						472		42			
MM 1.06-1.103	227			33	-		1	63			
						375		16			
MM 1.400-1.45	264			36	-		2	78			
						409		20			
MM 1.45-1.54	475			24	6		3	106			
						341		31			
MM 1.54-1.58	211			24	-		1	47			
						273		11			
MM 1.58-1.59	53			36	-		1	16			
						409		4			
MM 1.59-1.69	528			24	-		3	117			
						273		27			
MM 1.69-1.76	370			24	6		2	96			
						341		24			
MM 1.76-1.850	475	1	12	24	-		2	106			PAVED SHOULDERS LEVEL
						273		25			
							2	100			APPROACHES
PROJECT EST.									1	5	
ROUNDING							2	23			
TOTAL							25	1200	1	5	

NO. RS 0285(8)

SHEET 19 OF 52 SHEETS

PROJECT GEORGIA

ITEM  
DESCRIPTION

POWER BROOM RENTAL  
UNIFORMED TRAFFIC OFFICERS  
FLAGPERSONS  
MOBILIZATION  
4" REFLECT. WHITE LINE TEMP.  
4" REFLECT. YELLOW LINE TEMP.  
TOPSOIL  
DURABLE 4" REFLECT. WHITE LINE  
PAINTED CURB  
DURABLE ARROW MKGS.  
DURABLE 8" REFLECT.  
YELLOW LINE

ITEM NUMBER	608.30	630.10	630.15	635.10	646.35	646.36	653.10	646.60	646.21	646.65	646.68	
UNIT	HR.	HR.	HR.	L.S.	FT.	FT.	C.Y.	FT.	FT.	EA.	FT.	
LOCATION												
MM 1.60 LT.								200				LT. TURN LANE
MM 1.10									60			
MM 1.06 LT.									210			ISLAND
MM 1.55 LT.									190			"
MM 1.59 LT.									60			"
MM 1.65									255			
MM 1.60 LT.										2		LT. TURN LANE
MM 0.975~1.06											420	PAINTED IS.
MM 1.45~1.53											640	"
MM 1.69~1.76											560	"
PROJECT EST.	5	58	58	0.05	6664	16947	13					
ROUNDING		2	2		6	13	2		5		10	
TOTAL	5	60	60	0.05	6670	16950	15	200	780	2	1630	

NO. RS 0285(8)

PROJECT GEORGIA

SHEET 19A OF 52 SHEETS



646.62 DURABLE 8" REFLECT. YELLOW LINES  
 MM 0.975 ~ 1.07 - 420 L.F.  
 M.M. 1.45 ~ 1.53 640 L.F.  
 M.M. 1.69 ~ 1.76 560 L.F.

646.60 DURABLE 4" REFLECT. YELLOW LINES  
 MM 1.60 200 L.F.  
 MM 1.55 190 L.F.  
 MM 1.10 60 L.F. MM 1.65 255 L.F.  
 MM 1.06 210 L.F. MM 1.59 60 L.F.

646.21-PAINTED CURB

9684 X 1.75 (Loss) = 16947 L.F.

9684  
 1.785 ~ 1.850 = 345 x 2 = 690 L.F.  
 1.690 ~ 1.785 = 510 x 4 = 2040 L.F.  
 1.589 ~ 1.690 = 535 x 2 = 1070 L.F.  
 1.530 ~ 1.577 = 250 x 2 = 500 L.F.  
 1.438 ~ 1.530 = 488 x 4 = 1952 L.F.  
 1.40 ~ 1.438 = 200 x 2 = 400 L.F.  
 1.110 ~ 1.113 = 16 x 2 = 32 L.F.  
 1.060 ~ 1.100 = 210 x 2 = 420 L.F.  
 0.965 ~ 1.060 = 500 x 4 = 2000 L.F.  
 0.920 ~ 0.965 = 240 x 2 = 480 L.F.

646.36 REFLECTORIZED YELLOW LINE

6664  
 MM 1.40 ~ 1.850 = 2376 L.F. x 2 = 4752  
 MM 0.922 ~ 1.103 = 956 L.F. x 2 = 1912  
 646.35 WHITE REFLECTORIZED LINE

BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

SUBJECT GEORGIA  
CENTERLINE MKGS.

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
JOB NO. RS 0285(8)

646.65- DURABLE ARROW MKGS.

MM 1.60 - 2 EA.

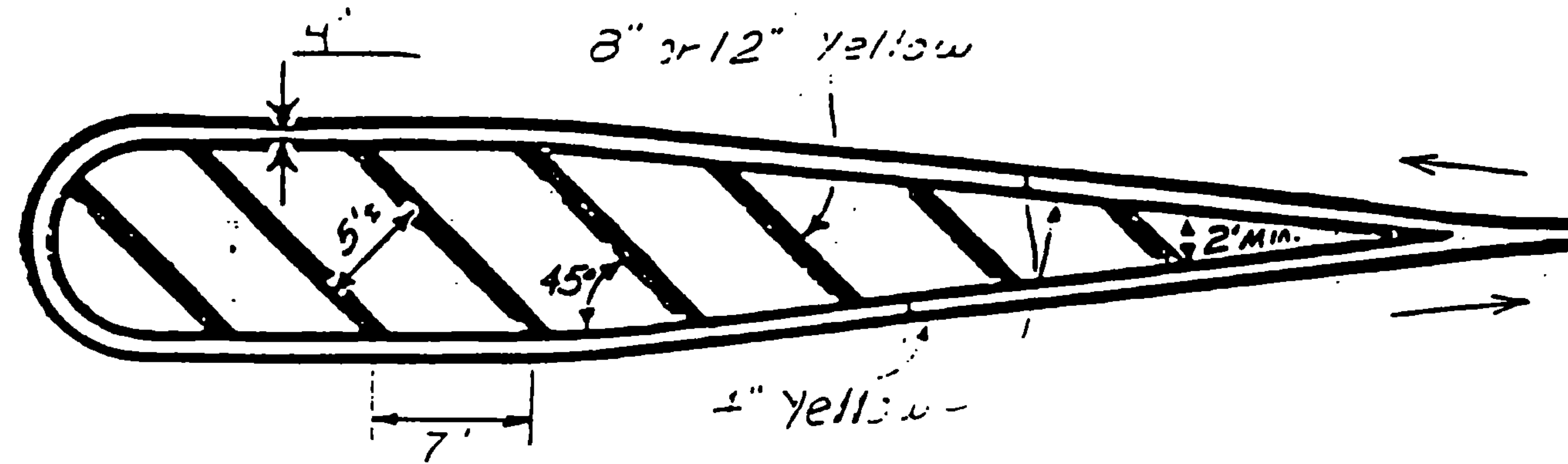
646.66 DURABLE LETTER IN WORD MKGS.

MM 1.60 - 8 EA

Georgia RS 0285(8)  
Sheet 20A Of 52 Sheets

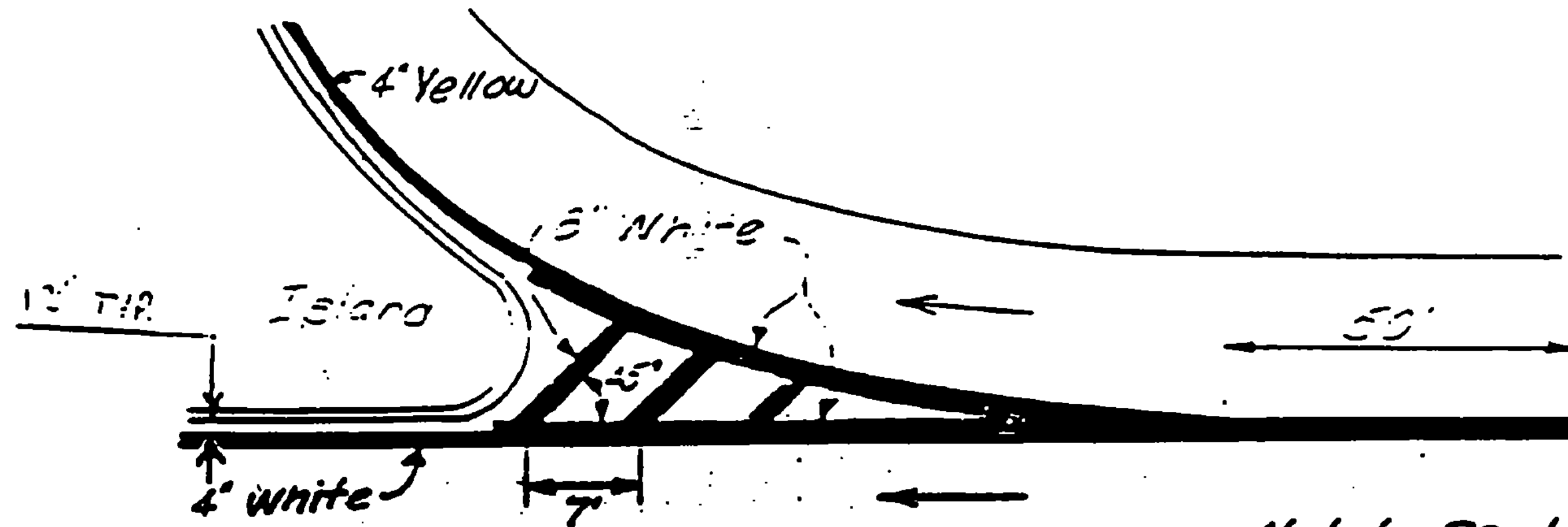
# SPECIAL MARKING DETAILS

## Painted Island Detail



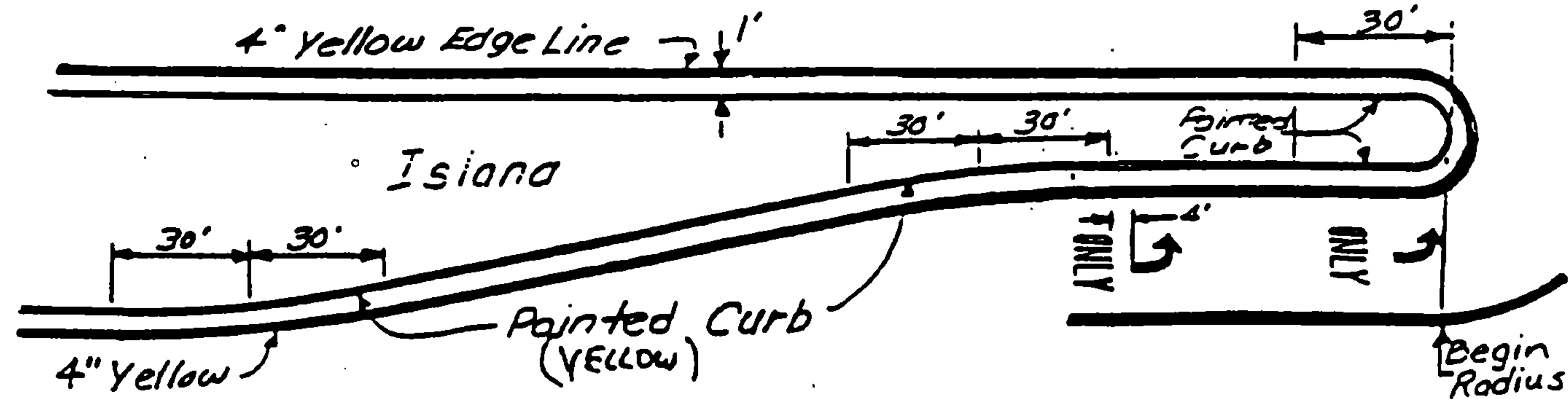
Not to Scale

## Gore Marking Detail - Exit



Not to Scale

## Turn Lane and Painted Curb Detail



Not to Scale

## APPLICATION NOTES

1. Edge lines shall be placed 1'-0" from curb.
2. Lane widths based on available roadway width. Preference shall be given to thru lanes with a preferred width of 12'. Left and right turn lanes may be between 10'-12' in width.
3. Exclusive turn lanes (left or right) - Turn lane lanes shall be solid and extend back from the stopbar an adequate distance to store turning vehicles. Generally, the lane line will extend back to the point of full lane width. The edge line taper rate should be 15:1 (minimum). In urban areas an 80' minimum is required. In both rural and urban areas a 200' taper is desirable. An estimate of length required can be determined by dividing the average hourly turning volume by the number of cycles per hour. Multiply the result by 25' per vehicle and then multiply by 1.5 to 2.0. Existing geometry may restrict turn lane length.
4. Turn arrows shall be placed at the begin and end of the left or right turn lane and in the middle if the lane length exceeds 200'.
5. Turn arrows placed at the end of the lane with the stop bar shall be placed with a 4' gap between the stop bar and arrow.
6. There shall be a 4' gap between turn arrows and word markings.
7. When word markings are used at the beginning of a turn lane the markings shall begin at the start of the solid white lane line.
8. The word marking STOP shall be placed with a 4' gap between the marking and the stop bar.
9. Gore markings shown are only approximate. Marking shall be as detailed on Standard Sheet E-50.
10. Stopbars shall be located no closer than 40' from the nearest signal face and no further than 120' from the furthest face. At intersections where there are existing vehicle detector loops, care should be taken in locating the stop bar. In most cases the stopbar should be at or just behind the front edge of the loop.



If loop locations are not known, contact either the Maintenance Division or Traffic Design for information.

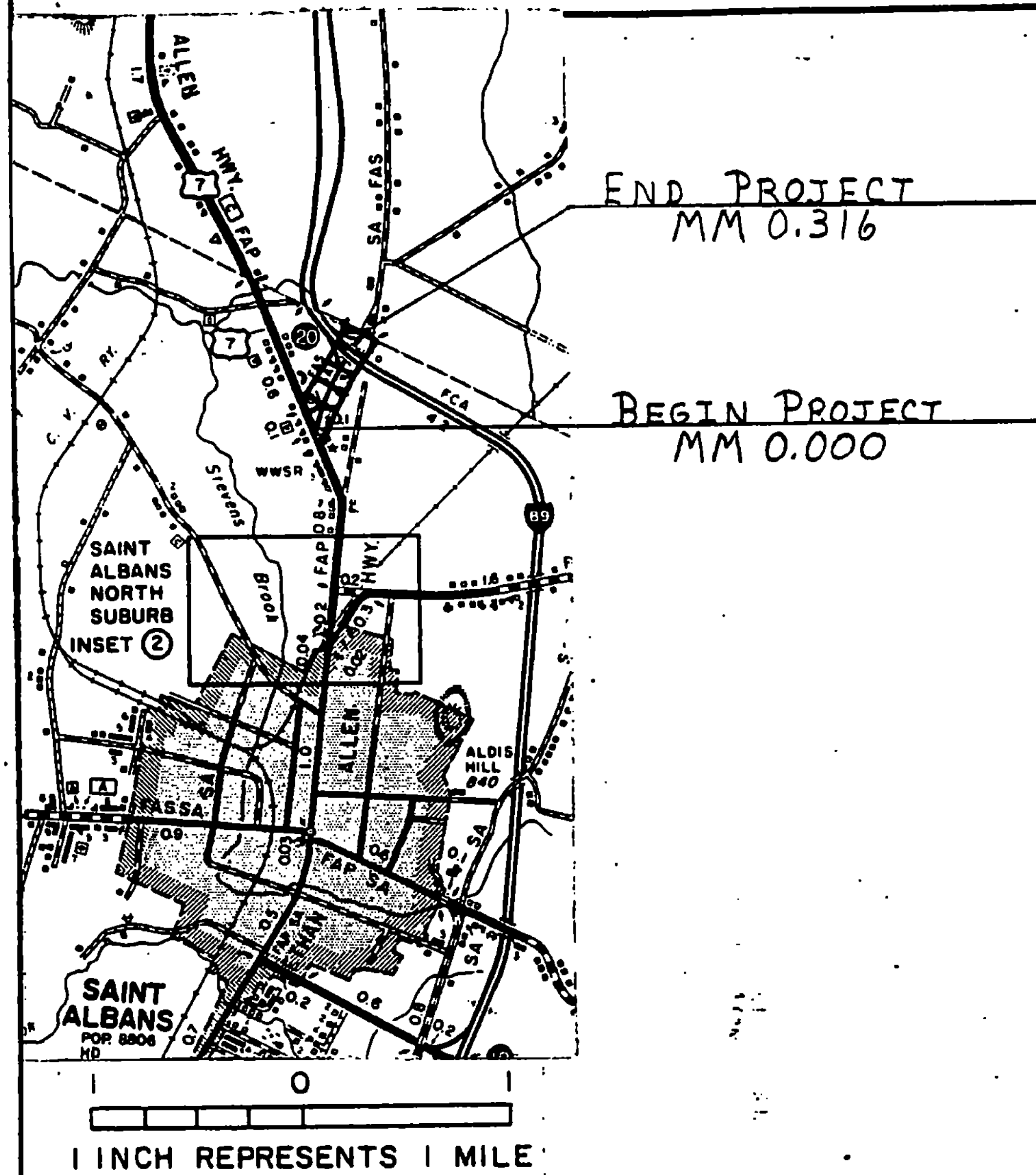
11. Dotted line extensions (lane lines and/or centerline) may be used at some intersections to emphasize turning paths.

RS 0285(8)  
GEORGIA

Revision - 11/84  
Note 3 revised  
Notes 10&11 added

SHEET 22 OF 52 SHEETS

# PROJECT DESCRIPTION AND LOCATION



BEGINNING AT THE JUNCTION OF U.S. RTE. 7 AND VT. RTE. 207 AT MM 0.000 AND PROCEEDING NORTH EASTERLY .316 MILES TO MM 0.316, THE TERMINUS OF VT. RTE. 207. INCLUDING APPROACH OF 0.167 MILES:

LENGTH OF PROJECT  
0.483 MILES  
2550 FEET

TRAFFIC DATA  
1982 ADT 2640  
V= 50

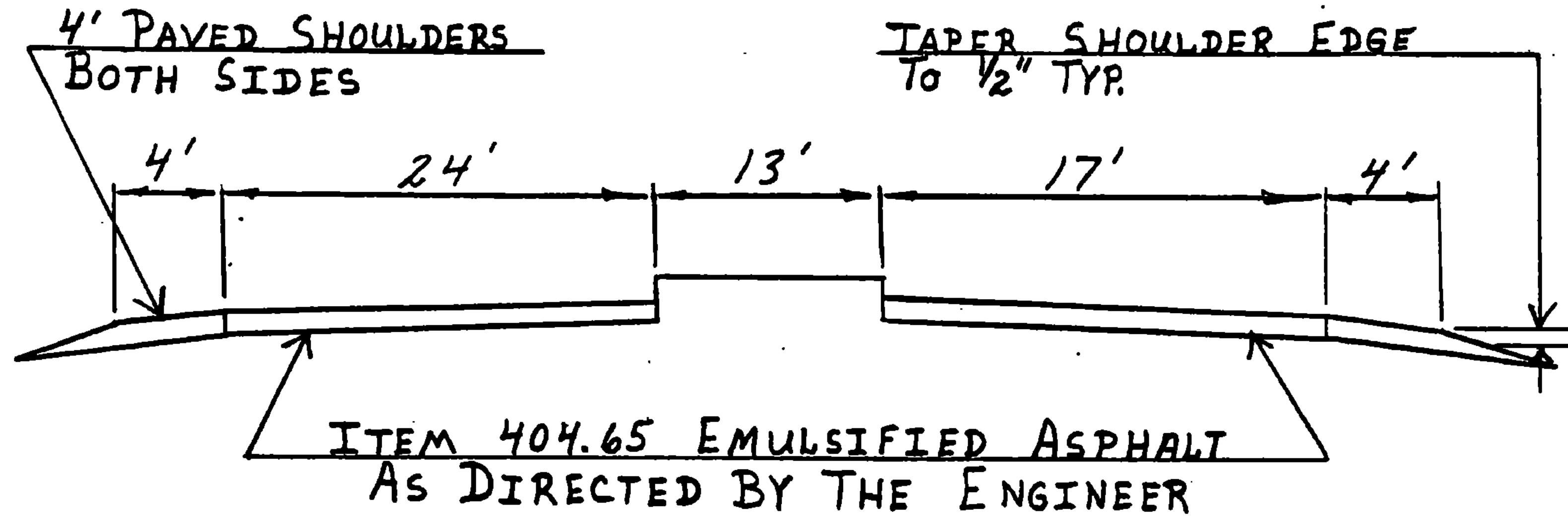
PROJECT ST. ALBANS

NO. RS 0297(7)

SHEET 23 OF 52 SHEETS

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
LEVELING COURSE, TYPE III OR IV (41' WIDE @ 559 TONS/ML)  
AS DIRECTED BY THE ENGINEER  
1" WEARING COURSE, TYPE III



ST. ALBANS MM 0.000~0.085

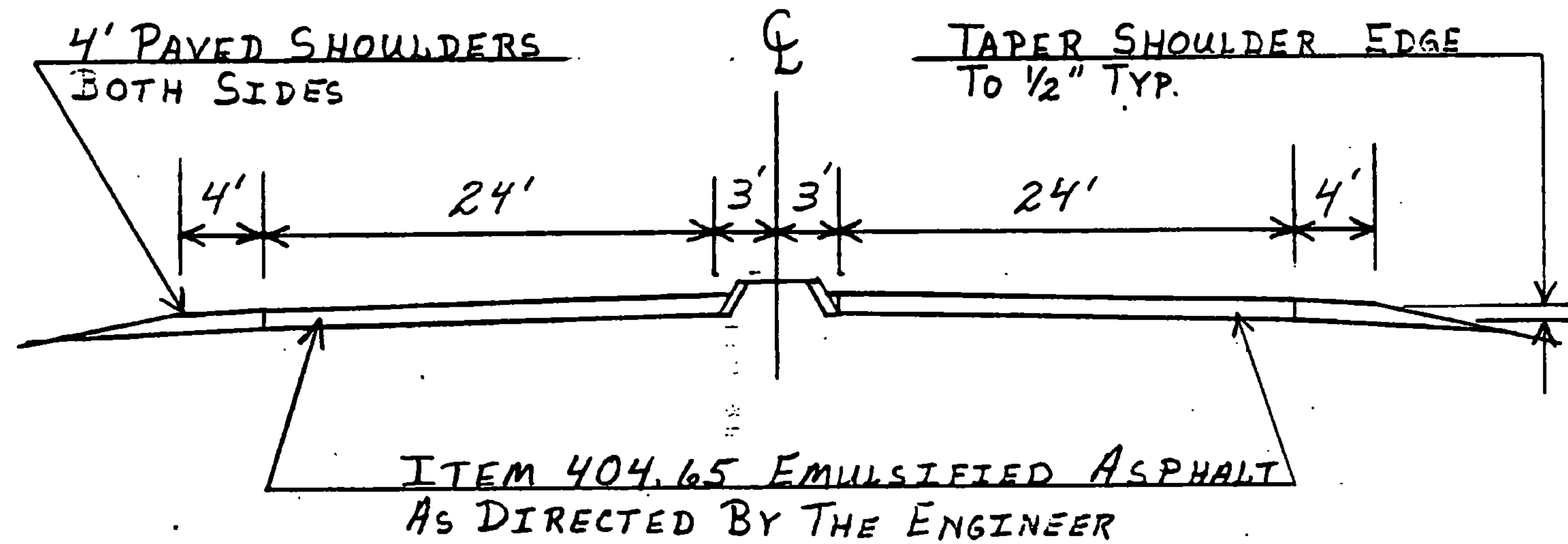
PROJECT ST. ALBANS

NO. RS 0297(7)

SHEET 24 OF 52 SHEETS

# TYPICAL SECTIONS & DESIGN DATA

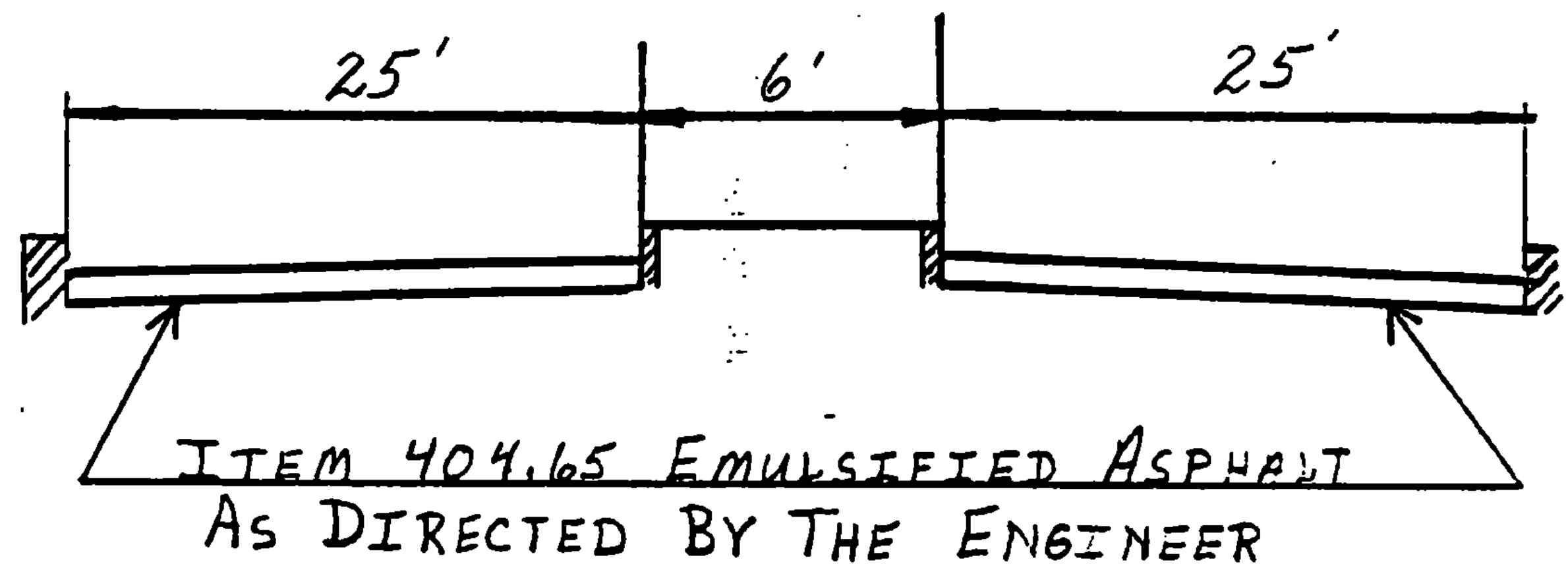
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
LEVELING COURSE, TYPE III OR IV (48' WIDE @ 655 TONS/MI.)  
AS DIRECTED BY THE ENGINEER  
1" WEARING COURSE, TYPE III



ST. ALBANS MM 0.085~0.221

# TYPICAL SECTIONS & DESIGN DATA

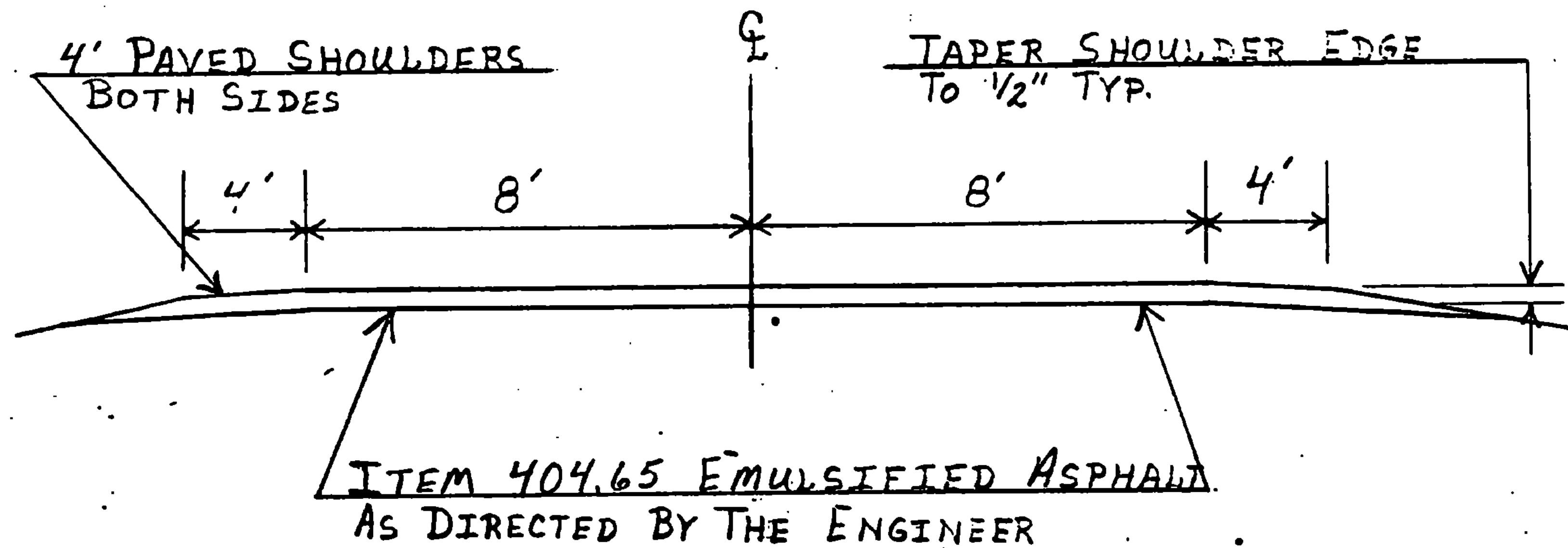
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
LEVELING COURSE, TYPE III OR IV (50' WIDE @ 682 TONS) MI.)  
AS DIRECTED BY THE ENGINEER  
1" WEARING COURSE, TYPE III



ST. ALBANS MM 0.221~0.316

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
LEVELING COURSE, TYPE III OR IV (16' WIDE @ 218 TONS/MI.)  
AS DIRECTED BY THE ENGINEER  
1" WEARING COURSE, TYPE III



ST. ALBANS - APPROACH RAMP 0.167 MI.

**PROJECT LENGTHS AND ITEM QUANTITIES**

ITEM DESCRIPTION	LENGTH	WIDTH	OVERLAY DEPTH	LEVELING COURSE	GRAVEL SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS ASPHALT	POWER CONCRETE PAVEMENT	BROOM RENTAL	CHANGE ELEV. OF CB, DI OR MH	UNIFORMED TRAFFIC OFFICERS	FLAGPERSONS	MOBILIZATION	TOPSOIL	OPTION	
															402.10	402.11
ITEM NO	FT.	FT.	IN.	TONS/MI	CY.	TON	CWT	TON	HR.	EA.	HR.	HR.	L.S.	C.Y.		
UNIT																
LOCATION																
MM0.00~0.085	449	41	1	559	-	-	3.	136.								4' PAVED SHOULDERS LEVEL @ 559 TONS/MI.
MM0.085~0.221	718	48	1	655	-	-	6.	248.								4' PAVED SHOULDERS LEVEL @ 655 TONS/MI.
MM0.221~0.316	502	50	1	682	-	-	3.	155.								6' MEDIAN CURB TO CURB LEVEL @ 682 TONS/MI.
APPROACH SEC.	881	16	1	218	-	-	3.	130.								4' PAVED SHOULDERS LEVEL @ 218 TONS/MI.
PROJECT EST.							2	100	4	1	50	50	0.04	10		
ROUNDING							3	3	1		5	5				
TOTAL	2550						20.	1010.	5.	1.	55.	55.	0.04	10.		

PROJECT ST. ALBANS

NO. RS-0297(7)

SHEET 28 OF 52

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH		WIDTH	ALL PURPOSE EXCAVATOR RENTAL	PAINTED CURB	TEMP. 4" REFLECT. WHITE LINE	TEMP. 4" REFLECT. YELLOW LINE	DUR. 4" REFLECT. WHITE LINE	DUR. 4" REFLECT. YELLOW LINE	DUR. 8" REFLECT. WHITE LINE	DUR. 24" STOP BAR	DUR. ARROW MKGS.	DUR. LETTER IN WORD MKGS.
	FT.	FT.	HR.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	EA.	
ITEM NO			608.25	646.21	646.35	646.36	646.60	646.61	646.62	646.64	646.65	646.66	
UNIT	FT.	FT.	HR.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	EA.	
LOCATION													
PROJECT EST.			5	287	4778	3319	490	380	411	24	2	21	
ROUNDING				3	22	11	5	10	9				
TOTAL			5	290	4800	3330	495	390	420	24	2	21	

TEMP. 4" WHITE LINE  
EDGE LINES RT.-AS SHOWN  
CENTER LINES (DASHED) AS SHOWN

DURABLE 4" WHITE LINE  
LANE LINE @ INTERSECTION-AS SHOWN

DURABLE 24" STOP BARS  
U.S. 7 INTERSECTION-AS SHOWN

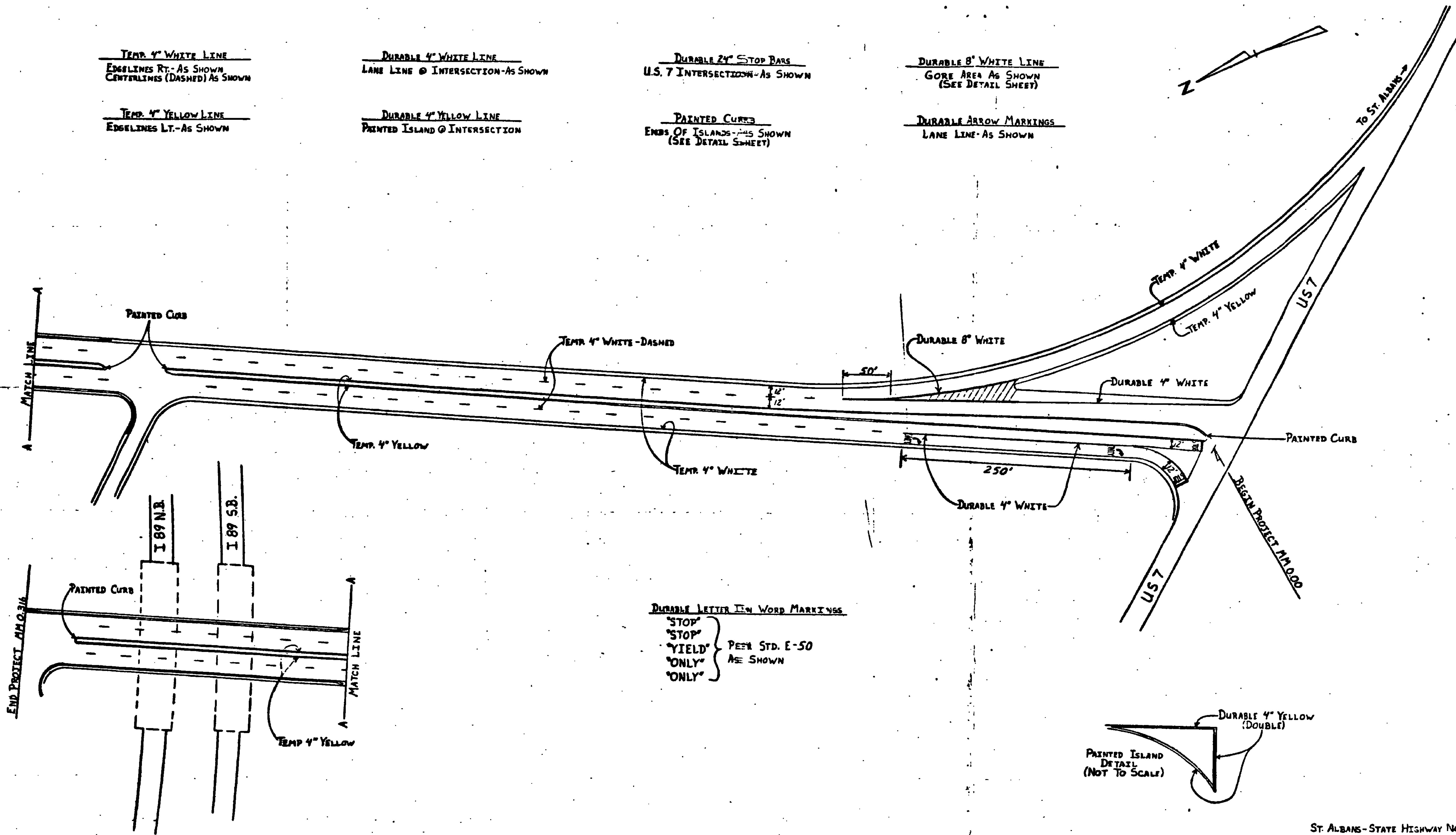
DURABLE 8" WHITE LINE  
GORE AREA AS SHOWN  
(SEE DETAIL SHEET)

TEMP. 4" YELLOW LINE  
EDGE LINES LT.-AS SHOWN

DURABLE 4" YELLOW LINE  
PRINTED ISLAND @ INTERSECTION

PAINTED CURBS  
ENDS OF ISLANDS-AS SHOWN  
(SEE DETAIL SHEET)

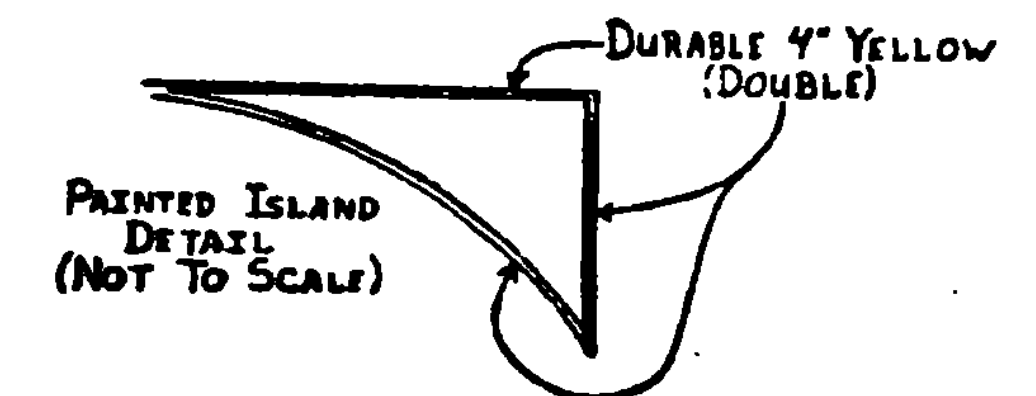
DURABLE ARROW MARKINGS  
LANE LINE-AS SHOWN



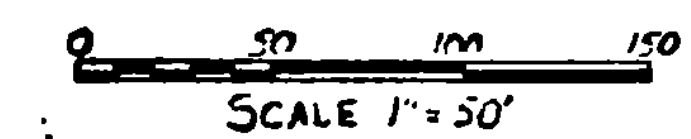
DURABLE LETTER IN WORD MARKINGS

'STOP'  
'STOP'  
'YIELD'  
'ONLY'  
'ONLY'

PER STD. E-50  
AS SHOWN



DATUM	_____
VERTICAL	_____
HORIZONTAL	_____



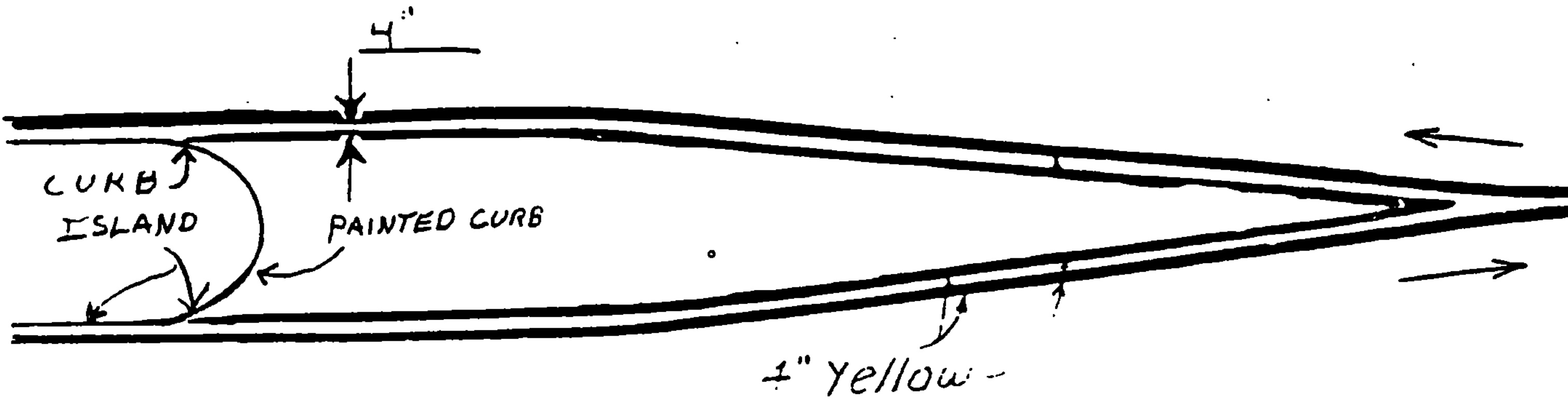
SHEET 29 OF 52

ST. ALBANS-STATE HIGHWAY NO.

SURVEYED BY	_____	DATE	_____
DRAWN BY	JLR	DATE	_____
TRACED BY	JLR	DATE	_____
ST. ALBANS VT. 207			
PROJ. RS NO. 0297(?)			
SHEET	29	OF	52

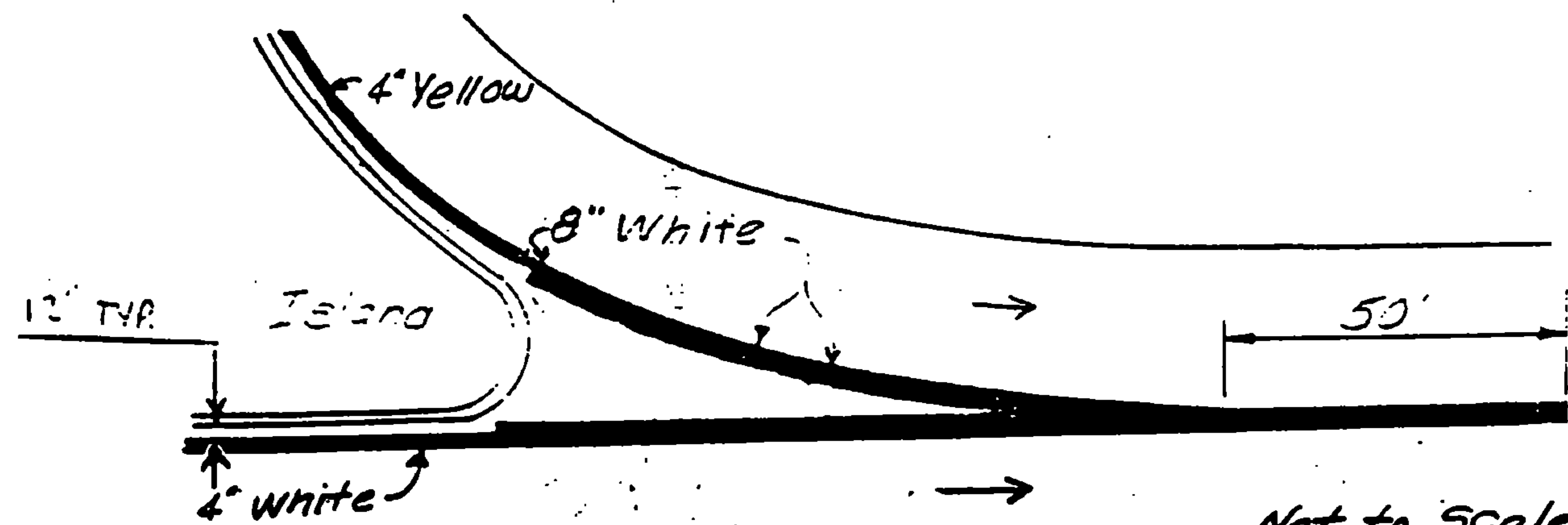
# SPECIAL MARKING DETAILS

## Painted Island Detail



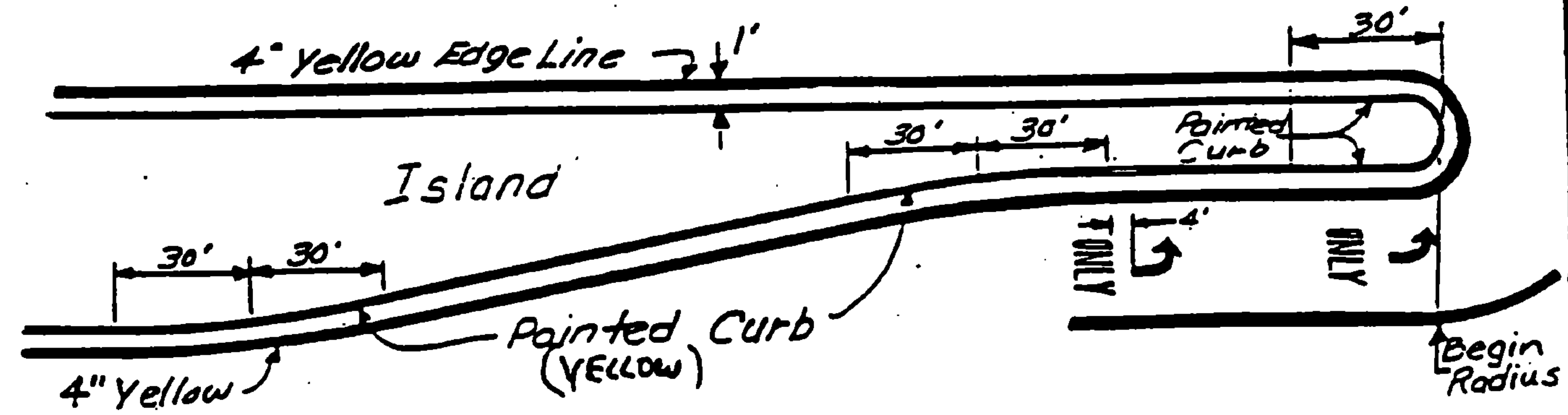
Not to Scale

## Gore Marking Detail



Not to Scale

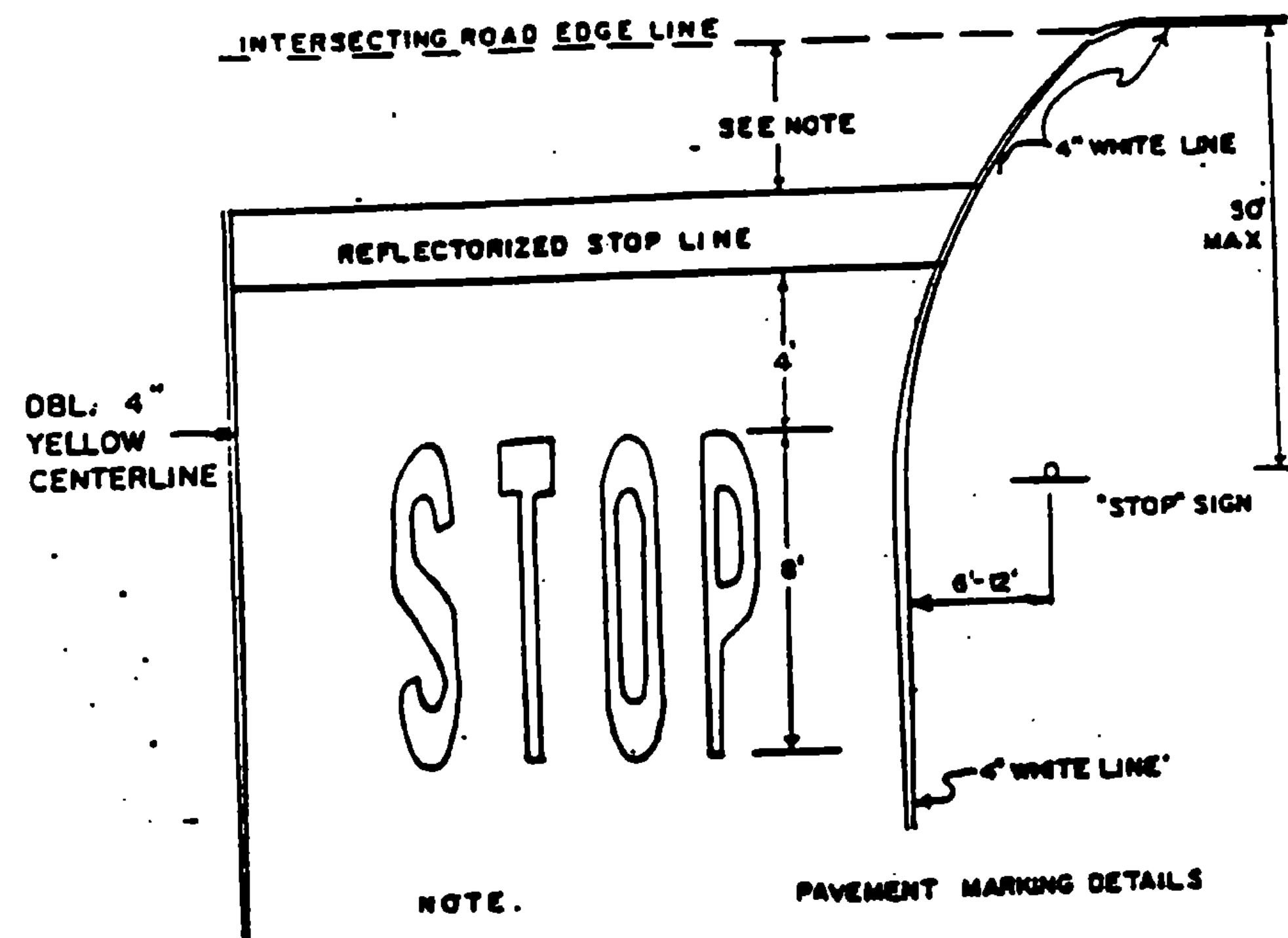
## Turn Lane and Painted Curb Detail



Not to Scale

# STOP BAR DETAILS

13.



NOTE.  
 1. THE STOP LINE SHOULD BE PLACED AT THE DESIRED STOPPING POINT, IN NO CASE MORE THAN 30 FEET OR LESS THAN 4' FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY, OR EDGE OF CROSSWALK.

NOT TO SCALE

AHEAD

NOTE:  
 SEE STANDARD E-50 FOR LETTERING DETAIL.

16'  
 16'

STOP AHEAD SIGN

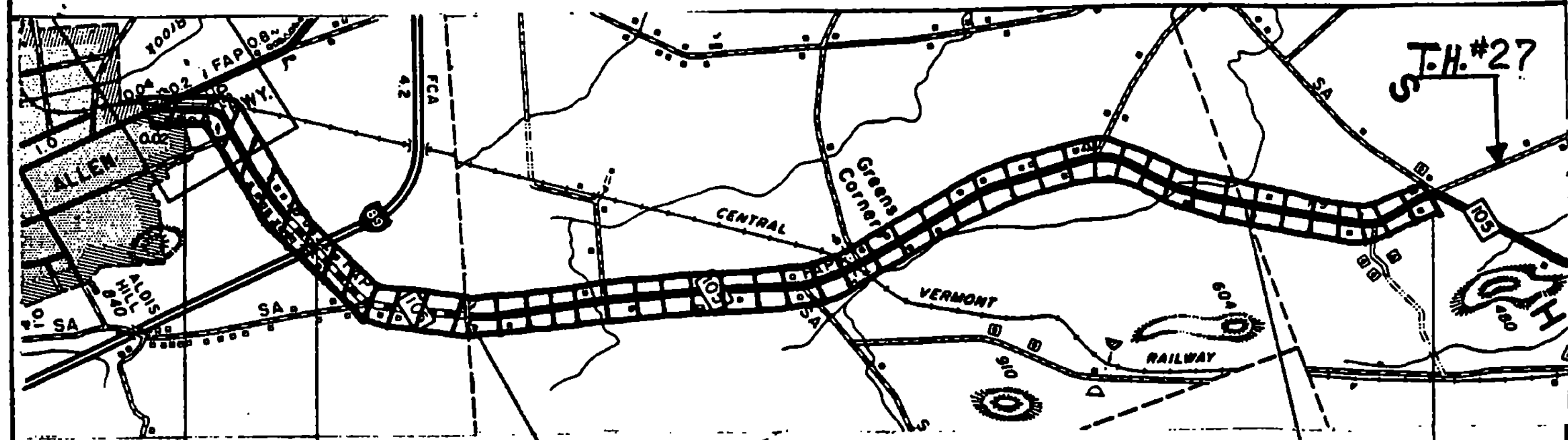
STOP

No. RS 0297(7)

SHEET 31 OF 52 SHEETS

PROJECT ST. ALBANS

# PROJECT DESCRIPTION AND LOCATION



T/L — SWANTON MM 3.900  
 L — SHELDON MM 0.000  
 SWANTON MM 0.00 — T/L  
 ST ALBANS TOWN MM 1.929

BRIDGE # 1  
DO NOT PAVE

BEGIN PROJECT T/L  
 MM 0.000-ST. ALBANS TOWN  
 MM 0.023 ST. ALBANS CITY

END PROJECT  
 MM 0.960-SHELDON

## SEGMENT # 1

BEGINNING AT A POINT ON VT. RTE. 105, MM 0.000  
 (ST ALBANS TOWN) ABOUT 1/10 MI. EASTERLY OF THE JCT.  
 OF U.S. RTE. 7 AND VT. RTE. 105, AND PROCEEDING  
 EASTERLY A DISTANCE OF 6.789 MILES TO SHELDON  
 MM 0.960-INTERSECTION OF TOWN ROAD 27 AND  
 VT. RTE. 105.

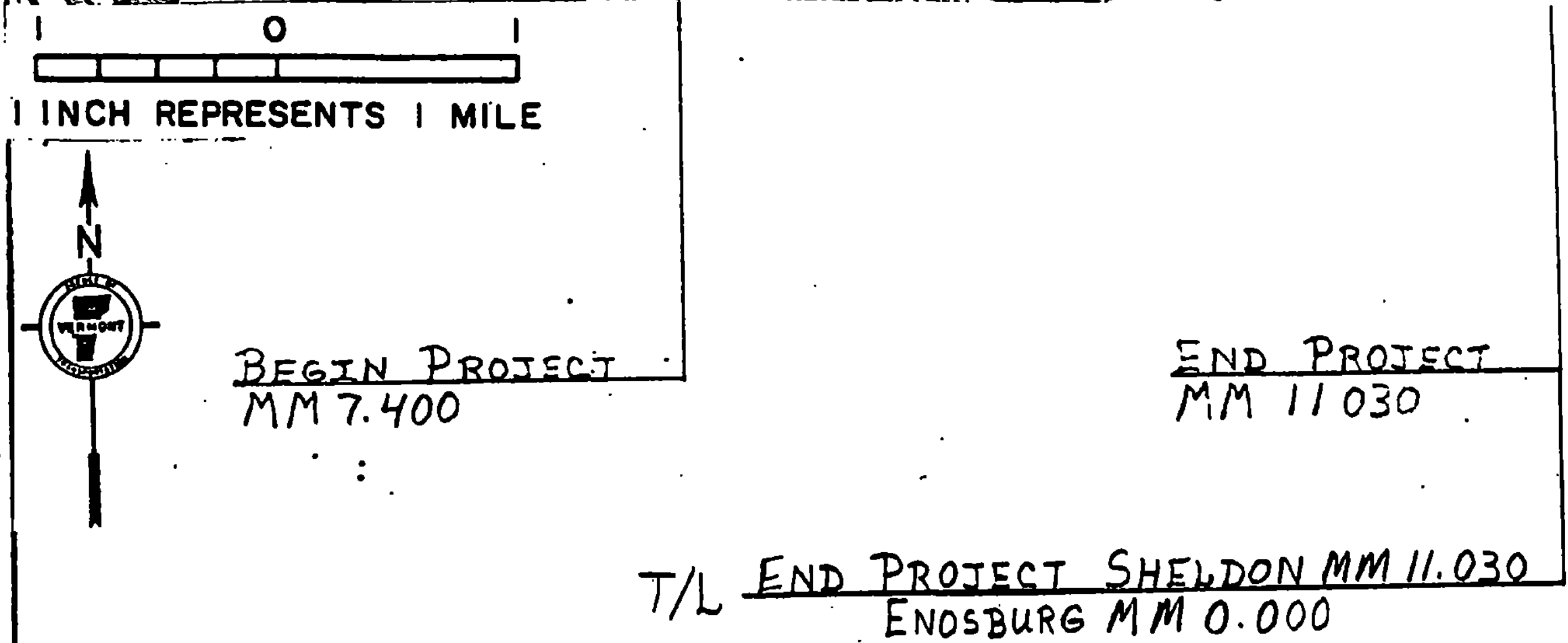
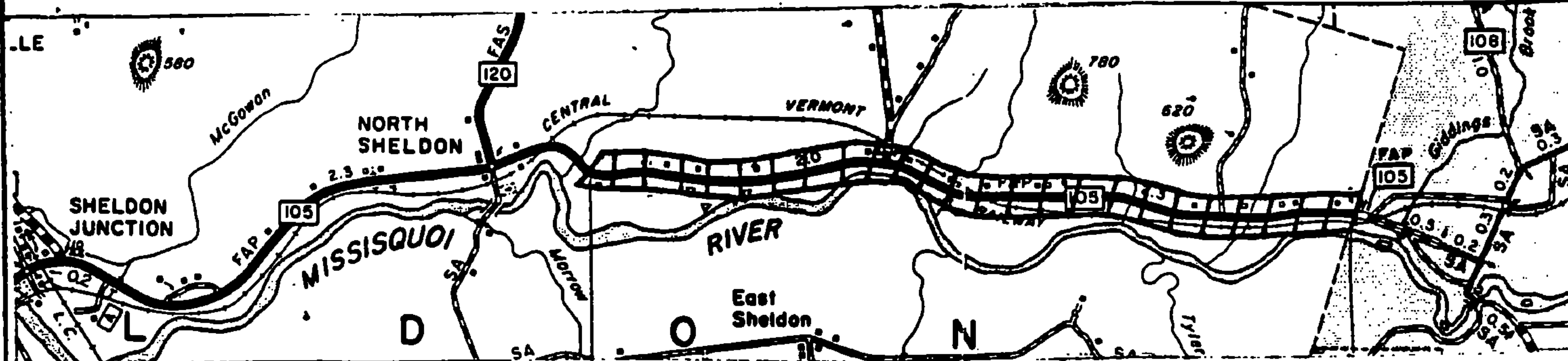
LENGTH OF SEGMENT 1  
 6.789 MI.  
 35846 FT.

NO. HMA 2625

PROJECT ST. ALBANS - SHELDON

SHEET 32 OF 52 SHEETS

# PROJECT DESCRIPTION AND LOCATION



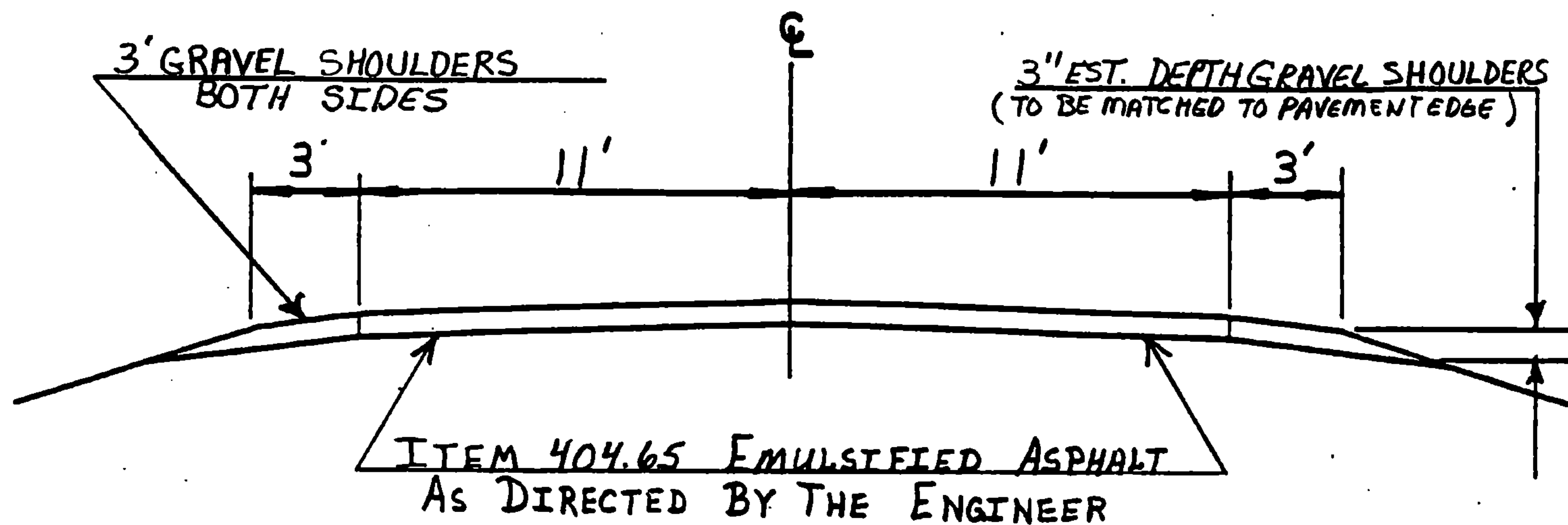
## SEGMENT #2

BEGINNING AT A POINT ON VT. RTE. 105, APPROX. .56 MI. EAST OF THE JCT. OF VT. RTES. 120+105 AT MM 7.400, THENCE EASTERLY A DISTANCE OF 3.630 MI. TO THE SHELDON-ENOSBURG TOWN LINE AT MM 11.030.

LENGTH OF SEGMENT 2  
3.630 MILES  
19166 FEET

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
AS DIRECTED BY THE ENGINEER



LOCATION	WIDTH	LEVEL T/M	WEARING DEPTH	COURSE TYPE
0.000~1.663 (ST. ALBANS)	22'	250	1.25"	III
1.663 (ST. ALBANS)~1.943 (SWANTON)	22'	300	1.25"	III
1.943 (SWANTON)~0.960 (SHELDON)	22'	250	1.00	IV
7.400~11.030 (SHELDON)	22'	250	1.00	IV

TRAFFIC DATA  
1982 ADT 3253  
V=50 MPH



PROJECT LENGTHS AND ITEM QUANTITIES

ITEM NO	ITEM DESCRIPTION	LENGTH	WIDTH	TEMP. PAVT. MKG. 4"	DURABLE 24" STOP BAR	DURABLE LETTER IN WORD MARKINGS	DURABLE RAILROAD CROSSING PAVEMENT MARKING SIGNAL	TOPSOIL	TRAFFIC SIGNS - ALUMINUM, TYPE A	TRAFFIC SIGN POSTS, TYPE A	ALL PURPOSE EXCAVATOR RENTAL				
		FT.	FT.	L.F.	L.F.	EA.	EA.	CY	S.F.	Lbs.					
	ST. ALBANS			646.36	646.64	646.66	646.67	653.10	675.21	675.35	608.25				
	MM 0.000~1.663			26,055	12	13	1								
	ST. ALBANS - SWANTON														
	MM 1.663~1.943			30,181			1		7.1	24					
	SWANTON - SHELDON														
	MM 1.943~2.960			36,384			1		7.1	24					
	SHELDON														
	MM 7.400~11.030			56,626			3		14.2	48					
	PROJECT EST.							208			20				
	ROUNDING			54	8			2							
	TOTAL			149,300	20'	13'	6'	210'	28.4'	96'	20'				

TEMPORARY 4" REFLECTORIZED YELLOW LINE

	MILE	MILE	LT	RT	QUANTITY LT	QUANTITY CL	QUANTITY RT	TOTAL
ST. ALBANS	0.00	0.40	Solid	Solid	2112.		2112.	4224.
	0.40	0.52	Solid	Dash	634.		158.	792.
	0.52	0.91	Solid	Solid	2059.		2059.	4118.
	0.91	1.14	Solid	Dash	1214.		304.	1518.
	1.14	1.22	Dash	Dash		106.		106.
	1.22	1.42	Dash	Solid	264.		1056.	1320.
	1.42	1.61	Solid	Solid	1003.		1003.	2006.
	1.61	1.74	Solid	Dash	686.		172.	858.
	1.74	1.79	Solid	Solid	264.		264.	528.
	1.79	1.88	Dash	Solid	119.		475.	594.
1.88	1.93	Dash	Dash		66.		66.	
<b>TOWN - LINE</b>								
SWANTON	0.00	0.12	Solid	Dash	634.		158.	792.
	0.12	0.26	Dash	Solid	185.		739.	924.
	0.26	0.40	Solid	Dash	739.		185.	924.
	0.40	0.51	Dash	Dash		145.		145.
	0.51	0.63	Dash	Solid	158.		634.	792.
	0.63	0.92	Solid	Solid	1531.		1531.	3062.
	0.92	0.94	Dash	Solid	26.		106.	132.
	0.94	1.18	Dash	Dash		317.		317.
	1.18	1.34	Dash	Solid	211.		845.	1056.
	1.34	1.92	Solid	Solid	3062.		3062.	6124.
	1.92	2.07	Solid	Dash	792.		198.	990.
	2.07	2.58	Dash	Dash		673.		673.
	2.58	2.71	Dash	Solid	172.		686.	858.
	2.71	2.80	Solid	Solid	475.		475.	950.
	2.80	2.95	Solid	Dash	792.		198.	990.
	2.95	2.96	Dash	Dash		13.		13.
	2.96	3.07	Dash	Solid	145.		581.	726.
	3.07	3.62	Solid	Solid	2904.		2904.	5808.
3.62	3.87	Solid	Dash	1320.		330.	1650.	
3.87	3.88	Solid	Solid	53.		53.	106.	
3.88	3.90	Dash	Solid	26.		106.	132.	
<b>TOWN - Line</b>								
SHELDON	0.00	0.06	Dash	Solid	79.		317.	396.
	0.06	0.09	Solid	Solid	158.		158.	316.
	0.09	0.20	Solid	Dash	581.		145.	726.
	0.20	0.44	Dash	Dash		317.		317.
	0.44	0.56	Solid	Dash	634.		158.	792.
	0.56	0.960	Solid	Solid	2112.		2112.	4224.
								46,065
ASSUME 85% IS LOST DURING SHIMMING								50,065
$1858 \times 46,065 = 85,220$								
$50,065 = 92,620$								
<b>TEMPORARY 4" REFLECTORIZED WHITE LINE</b>								
0.00	1.93	SOLID	SOLID	10,190.		10,190.	20,380.	
0.00	3.90	SOLID	SOLID	20,592.		20,592.	41,184.	
0.00	0.96	SOLID	SOLID	5,069.		5,069.	10,138.	
								Total = 71,702.
ST. ALBANS - SHELDON HMA 2625 SHEET 36 OF 52								

Proj: ST ALBANS - SWANTON - SHELDON VT 105

Item 646.64 - DURABLE 24" STOP BAR - LF

St. Albans M/M 0.00 LT - 12 Lf

Item 646.66 - DURABLE LETTER IN WORD MARKINGS - EA

St. Albans M/M 0.005 LT - STOP - 4 ea

St Albans M/M 0.15 LT - STOP AHEAD 9 ea

TOTAL 13 ea

Item 646.67 - DURABLE RAILROAD CROSSING PAVEMENT MARKING SYMBOL - EA

St Albans M/M 0.36 LT 1 ea

Swanton M/M 1.73 RT 1 ea

Swanton M/M 2.01 LT (Between drives) 1 ea

Total 3 ea

Item 675.21 Traffic Signs Type A - SF

Swanton M/M 1.73 RT - RR Advance Sign 7.1 SF

Swanton M/M 2.01 LT - RR Advance Sign 7.1 SF

Total = 14.2 SF

Item 675.35 Traffic Sign Posts, Type A - Lbs SEE STANDARDS

Note! Use 2 Lbs/SF posts for new signs E-2AA, E-45, E-50

Swanton M/M 1.73 RT 12' Post @ 2 Lbs/SF - 24 Lbs

Swanton M/M 2.01 LT 12' Post @ 2 Lbs/SF - 24 Lbs

Total 48 Lbs

Note: Removal of old signs and posts

will be subsidiary to other items on contract.

Old signs and posts will become property of STATE to be picked up by district.

ST. ALBANS - SHELDON

HMA 2625

Sheet 37 of 5

TEMPORARY 4" REFLECTORIZED YELLOW LINE

MILE	MILE	LT	RT	QUANTITY LT	QUANTITY R	QUANTITY RT	TOTAL
7.400	8.33	Solid	Solid	4910.		4910.	9820.
8.33	8.49	Solid	Dash	845.		211.	1056.
8.49	8.96	Solid	Solid	2482.		2482.	4963.
8.96	9.08	Dash	Solid	158.		634.	792.
9.08	9.34	Solid	Solid	1373.		1373.	2746.
9.34	9.54	Dash	Solid	264.		1056.	1320.
9.54	9.55	Dash	Dash		13.		13.
9.55	9.66	Solid	Dash	581.		145.	726.
9.66	9.84	Dash	Dash		238.		238.
9.84	9.94	Dash	Solid	132.		528.	660.
9.94	10.20	Solid	Solid	1373.		1373.	2746.
10.20	10.32	Solid	Dash	634.		159.	793.
10.32	10.79	Solid	Solid	2482.		2482.	4964.
10.79	10.86	Solid	Dash	370.		92.	462.
10.86	10.95	Dash	Dash		119.		119.
10.95	11.03	Dash	Solid	106.		422.	528.
ASSUME 75% Q. LOST DURING SHIMMING							31,946
				31,786 X 1.75 =	55,626	(2-T.H. 40X2)	-160
							31786

NEW RR ADVANCE SIGNS & POSTS

Location by M/M	POST TYPE	POST WEIGHTS	POST LENGTH	POST WT	SIGN LEGEND	SIGN AREA
9.08 RIGHT	A	24lbs/5T	12'	24lbs	RR ADVANCE SYMBOL	7.1 SF
9.38 LEFT	A	24lbs/5T	12'	24lbs	RR ADVANCE SYMBOL	7.1 SF
				TOTALS	48lbs	14.2 SF
SEE STD E-45, E-29A						

NOTE: Removal of old signs to be subsidiary to other items on contract

TEMPORARY 4" REFLECTORIZED WHITE LINE

7.400	11.03	Solid	Solid	19,166.		19,166.	38,332L
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DURABLE SPECIAL PAVEMENT MARKINGS

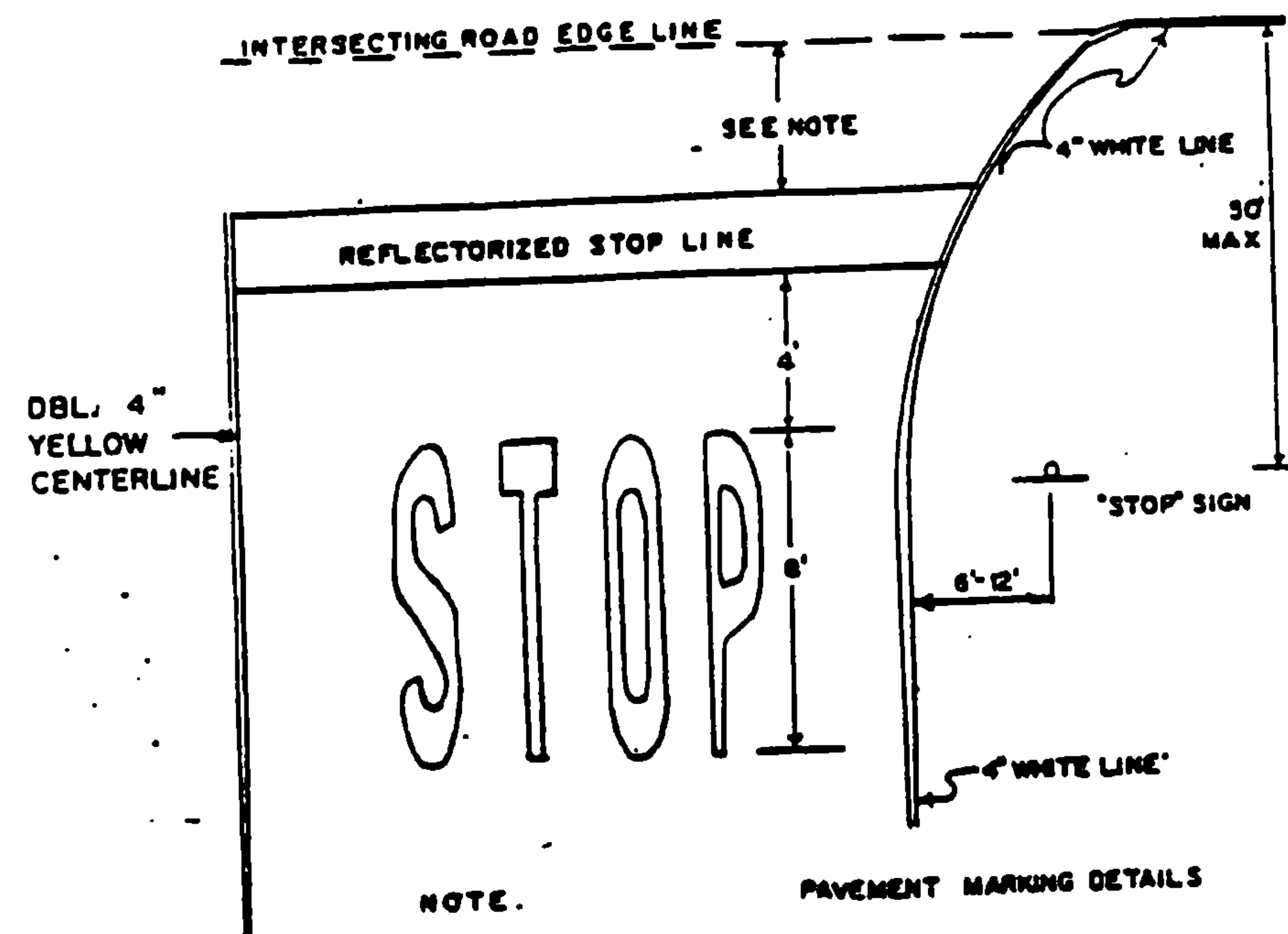
9.08	RT	-	RRSYMBOL	-	-	1ea	1ea
9.38	LT	-	RRSYMBOL	-	-	1ea	1ea
11.025	RT	-	RRSYMBOL	-	-	1ea	1ea
TOTAL - RRSYMBOLS - 3ea							

ST. ALBANS - SHELDON

HMA 2.6.25

# STOP BAR DETAILS

13.



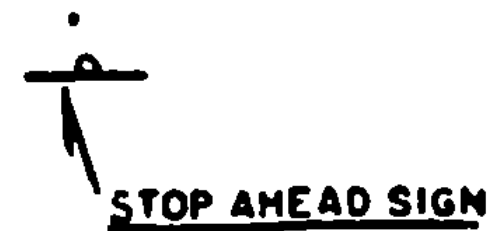
1. THE STOP LINE SHOULD BE PLACED AT THE DESIRED STOPPING POINT. IN NO CASE MORE THAN 30 FEET OR LESS THAN 4' FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY, OR EDGE OF CROSSWALK.

AHEAD

NOTE:  
SEE STANDARD E-50  
FOR LETTERING DETAIL.

16'

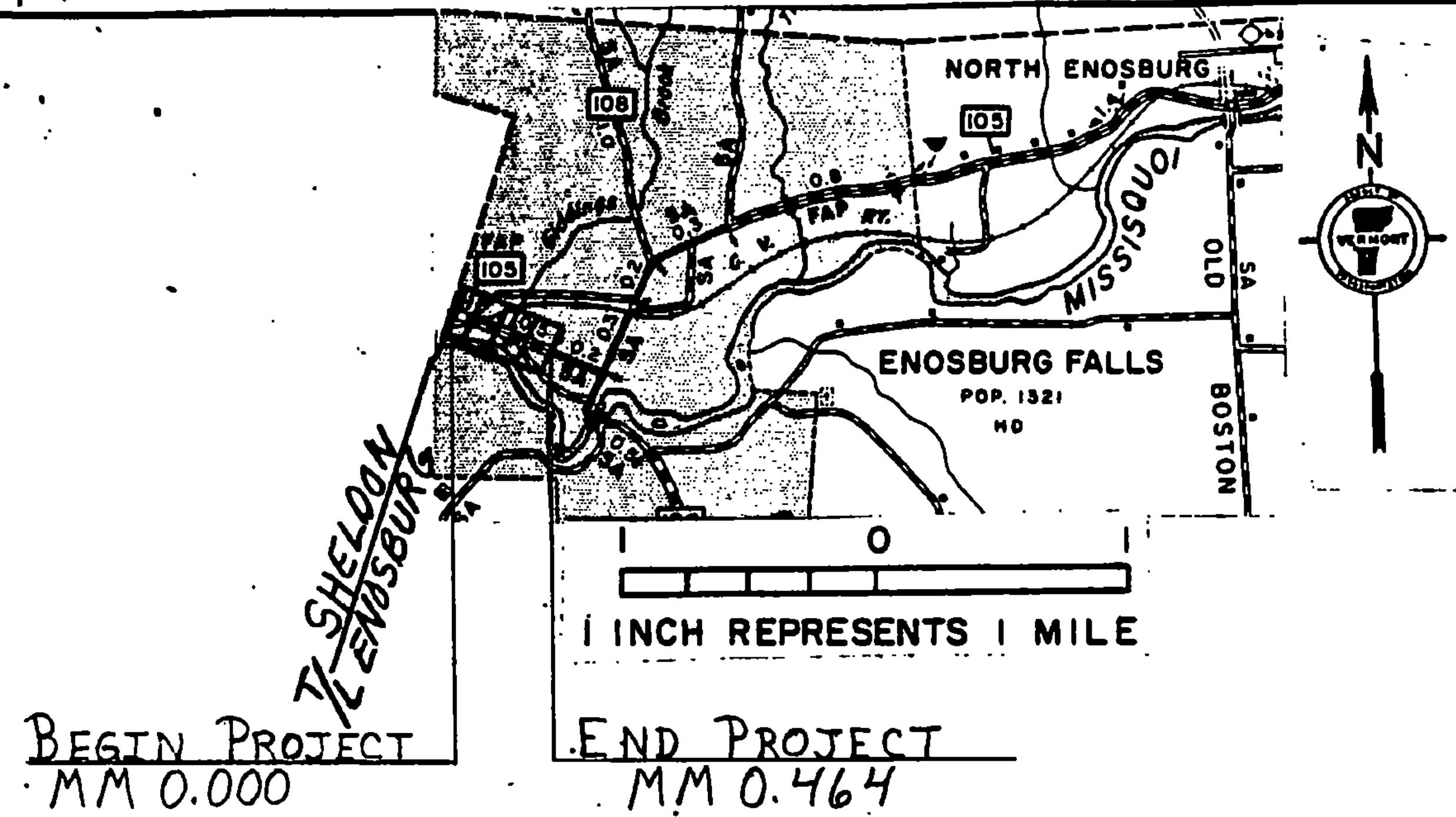
16'



STOP

ST. ALBANS - SHELDON  
HMA 2625  
SHEET 39 OF 52

# PROJECT DESCRIPTION AND LOCATION



BEGINNING AT A POINT ON VT. RTE. 105 ON THE SHELDON-ENOSBURG TOWN LINE, MM 0.000, AND PROCEEDING EASTERLY A DISTANCE OF 0.4 MILES TO MM 0.464 (THE JCT. OF PEARL ST. AND VT. RTE. 105).

TRAFFIC DATA  
1982 AADT 2970  
V=35 MPH

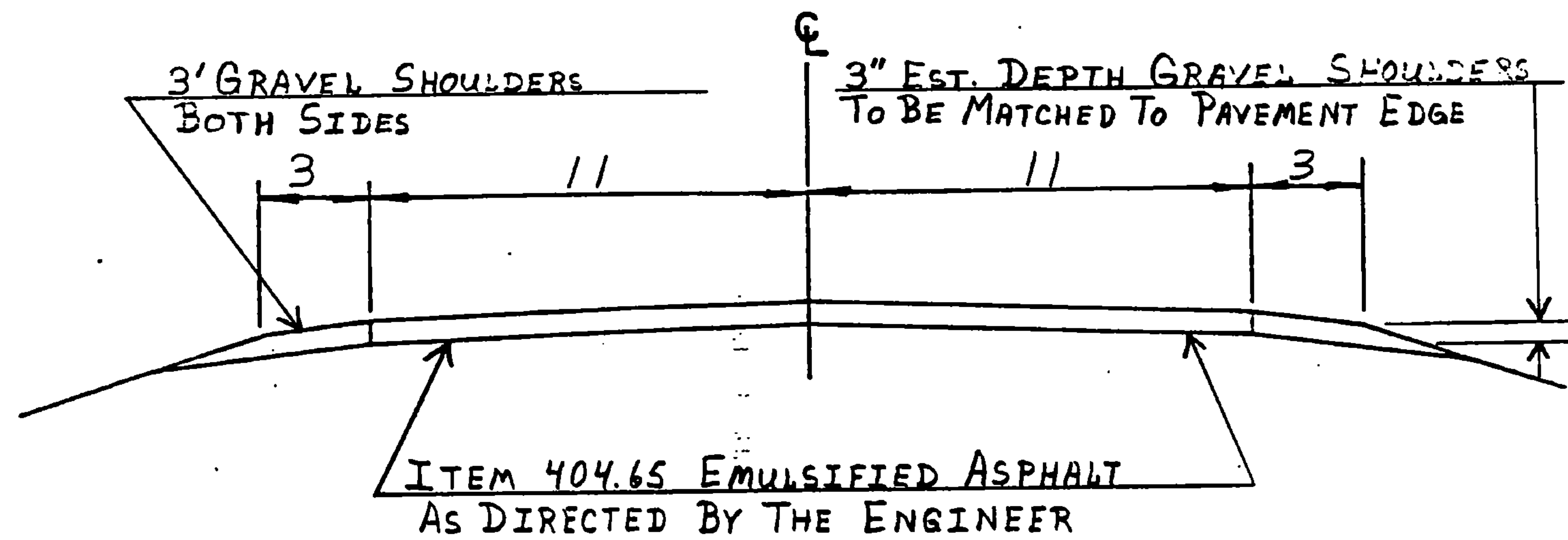
LENGTH OF PROJECT  
0.464 MILES  
2450 FEET

PROJECT ENOSBURG

NO. F 034-1(18)S  
SHEET 40 OF 52 SHEETS

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
LEVELING COURSE, TYPE III OR IV (22' WIDE @ 250 TONS/MI.)  
AS DIRECTED BY THE ENGINEER  
1" WEARING COURSE, TYPE III



ENOSBURG MM. 0.000 ~ 0.464



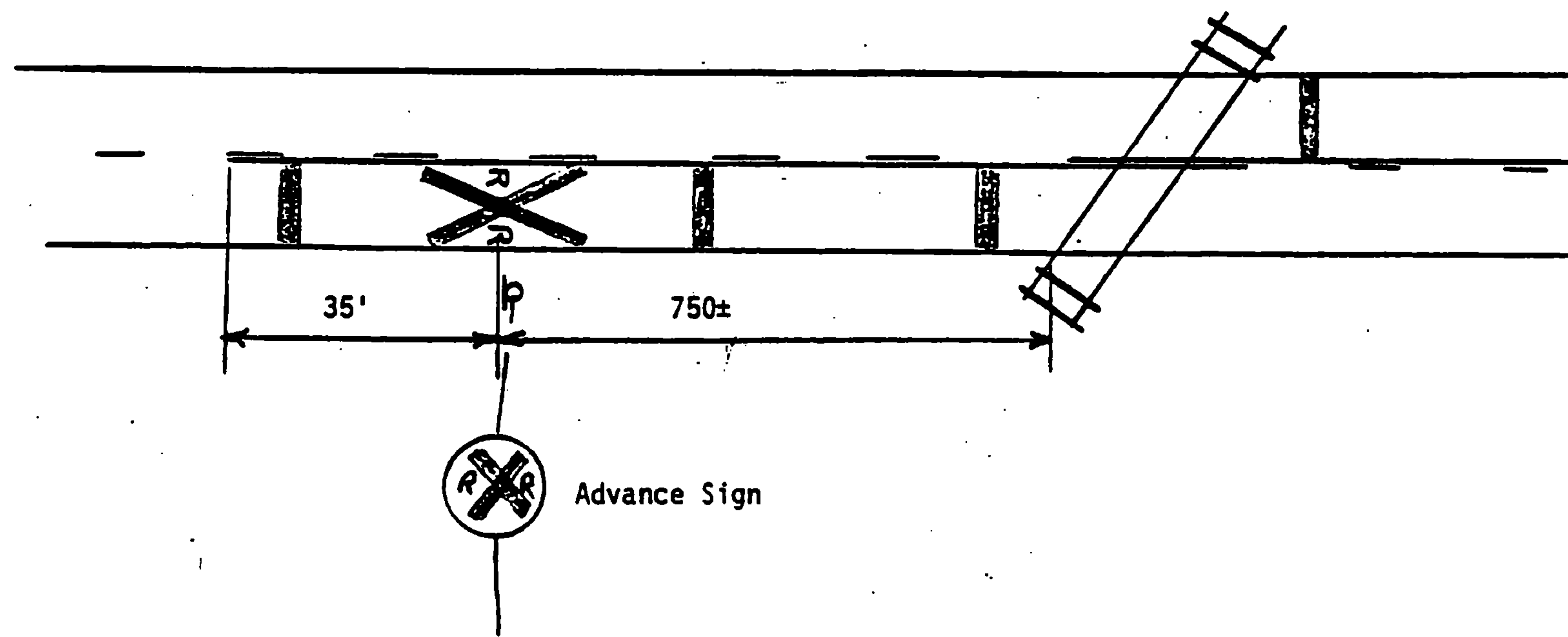
PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH		WIDTH		DURABLE RAILROAD CROSSING PAVEMENT MARKING SYMBOL		TOPSOIL							
	ITEM NO	FT.	FT.	EA	C.Y.									
				646.67	653.10									
				EA	C.Y.									
LOCATION														
MM 0.09														
MM 0.105														
MM 0.25				1										
PROJECT					9									
ROUNDING					1									
TOTAL				1	10									



### APPROACH TO A RAILROAD GRADE CROSSING

A solid line in the direction of travel is begun at a location 35 feet in advance of the advance warning sign. This sign is normally 750 feet or more in advance of the crossing. Consult the MUTCD for actual sign placement. (Centerline marking other than that shown by dimension lines are for example only).



ENOSBURG  
F 034-1(18)S  
SHEET 44 OF 52