STATE OF VERMONT
AGENCY OF TRANSPORTATION

Date JUL 23 1985

Cooley Asphalt Paving Corp
Contractor

Winfred G Lafrance
Signature

President
Title

Acting Frank E Aldrich
Transportation Secretary's Signature

CONTRACT PLANS

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

PROPOSED IMPROVEMENT

RESURFACING PROJECT

TOWN OF: ST. ALBANS, GEORGIA, SWANTON
SHELDON, ENOSBURG

COUNTY OF: FRANKLIN

ROUTE NO: Vt. 207, US7, Vt. 105

ROUTE CLASS: FAS, FAP

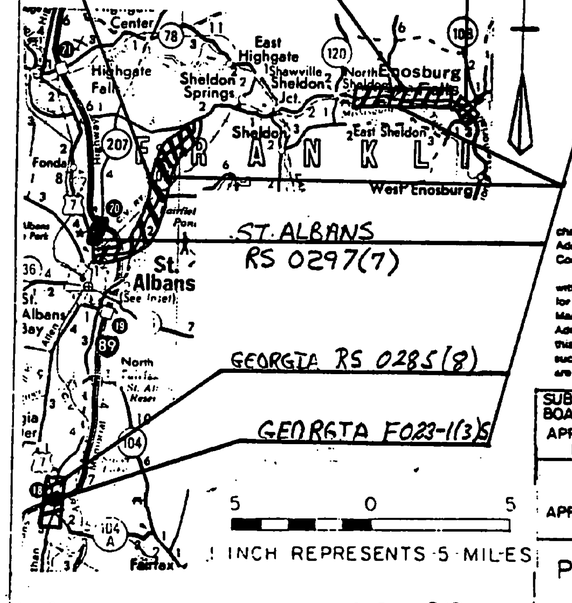
ENOSBURG F 034-1(18)S

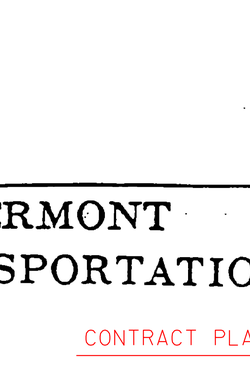
ST. ALBANS-SWANTON
SHELDON
HMA2625

ST. ALBANS
RS 0297(7)

GEORGIA RS 0285(8)

GEORGIA F023-1(3)S





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.

PROJECT PROCESSED UNDER SECONDARY ROAD PLAN

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD
APPROVED Frank E Aldrich DATE MAY 7 1985
DIRECTOR OF ENGINEERING AND CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

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

SHEET 1 OF 52 SHEETS

FOR INDEX SEE SHEETS 2, 2A, 2B

INDEX OF SHEETS

PROJECT GEORGIA, ST. ALBANS SWANTON, SHELDON, ENOSBURG

NO. F023-1(3)S RS0285(8) F034-1(18)S RS0297(7), HMA 2625

SHEET 2 OF 52 SHEETS

INDEX OF SHEETS

PROJECT GEORGIA, ST. ALBANS SWANTON, SHELDON, ENOSBURG

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

SHEET 2A OF 52 SHEETS

INDEX OF SHEETS

PROJECT GEORGIA, ST. ALBANS, SWANTON SHELDON, ENOSBURG

NO. F023-1(3)S RS0285(8) F034-1(18)S RS0297(2), HMA 2625

SHEET 2B OF 52 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH	WIDTH	OVERLAY DEPTH	LEVELING COURSE	GRAVEL SHOULDERS	GRAVEL SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS CONCRETE PAVEMENT	POWER BROOM RENTAL	CHANGE ELEV. OF CB, DI OR MH	UNIFORMED TRAFFIC OFFICERS	FLAGPERSONS	ALL PURPOSE EXCAVATION RENTAL, TYPE I	TOPSOIL	
						OPTION									
ITEM NO					402.10	402.11	404.65	406.25	608.30	604.40	630.10	630.15	608.25	653.10	
UNIT	FT.	FT.	IN.	TONS/ML	CY.	TON	CWT	TON	HR.	EA.	HR.	HR.	HR.	CY	
LOCATION															
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	
TOTALS					3240	5615	245	14350	102	13	725	725	40	251	

COMPOSITE PROJECT GEORGIA, ST. ALBANS SWANTON, SHELDON, ENOSBURG NO. F023-1(3)S RS 0285(8) RS 0297(7), HMA 2625 F034-1(18)S SHEET 3 OF 52

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	MOBILIZATION	TEMPORARY PAVEMENT MARKINGS 4" (WHITE)	TEMPORARY PAVEMENT MARKINGS 4" (YELLOW)	DURABLE 4" REFLECTORIZED WHITE LINE	PAINTED CURB	DURABLE ARROW MARKINGS	DURABLE 8" REFLECTORIZED YELLOW LINES	DURABLE LETTER IN WORD MARKINGS	DURABLE 24" STOP BAR	DURABLE 8" REFLECTORIZED WHITE LINE	DURABLE RXR CROSSING PAVEMENT MARKING SIGNAL		
ITEM NO	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	110050	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 - ALUMINUM TYPE A	TRAFFIC SIGN POSTS TYPE A	DURABLE 4" REFLECTORIZED YELLOW LINE										
ITEM NO	675.21	675.35	646.61										
UNIT	SF.	LBS.	L.F.										
LOCATION													
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										

COMPOSITE PROJECT GEORGIA, ST. ALBANS SWANTON, SHELDON, ENOSBURG NO. RS 0285(8) F023-1(3)S F 034-1(18)S RS 0297(7), HMA 2625

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, SOLI 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

PROJECT GEORGIA, ST. ALBANS
SWANTON, SHELDON, ENOSBURG

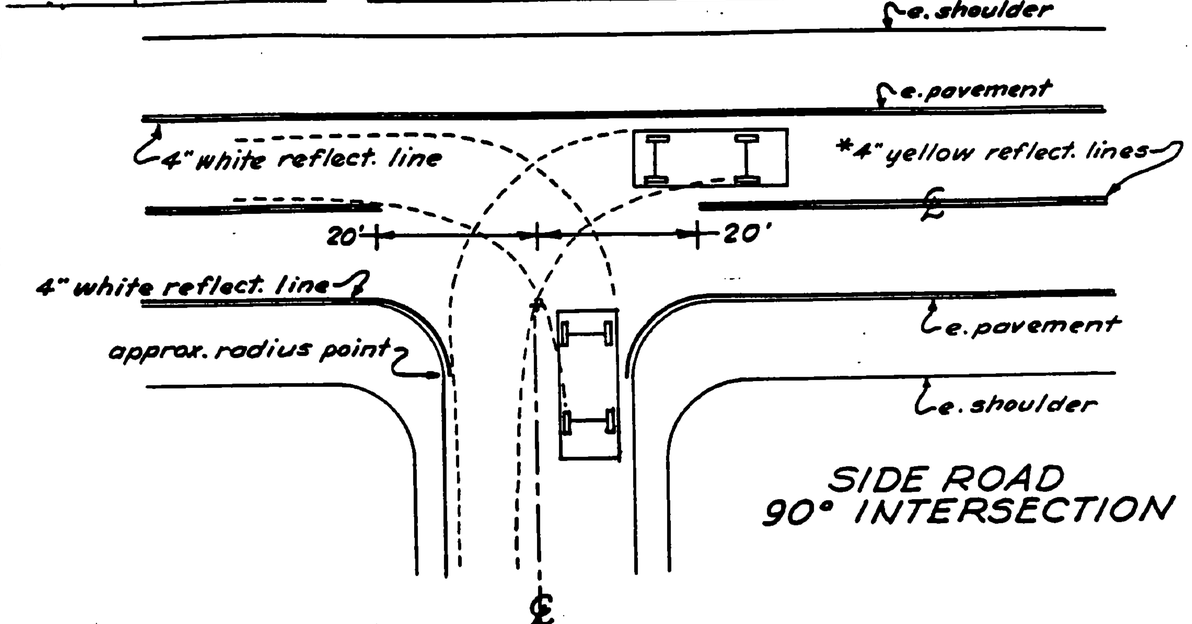
No. F023-1(3)S, RS 0285(8), F034-1(18)S, RS 0297(7), HMA 2625

SHEET 5 OF 52 SHEETS

BY _____ DATE 3/4/82
CHKD. BY _____ DATE _____

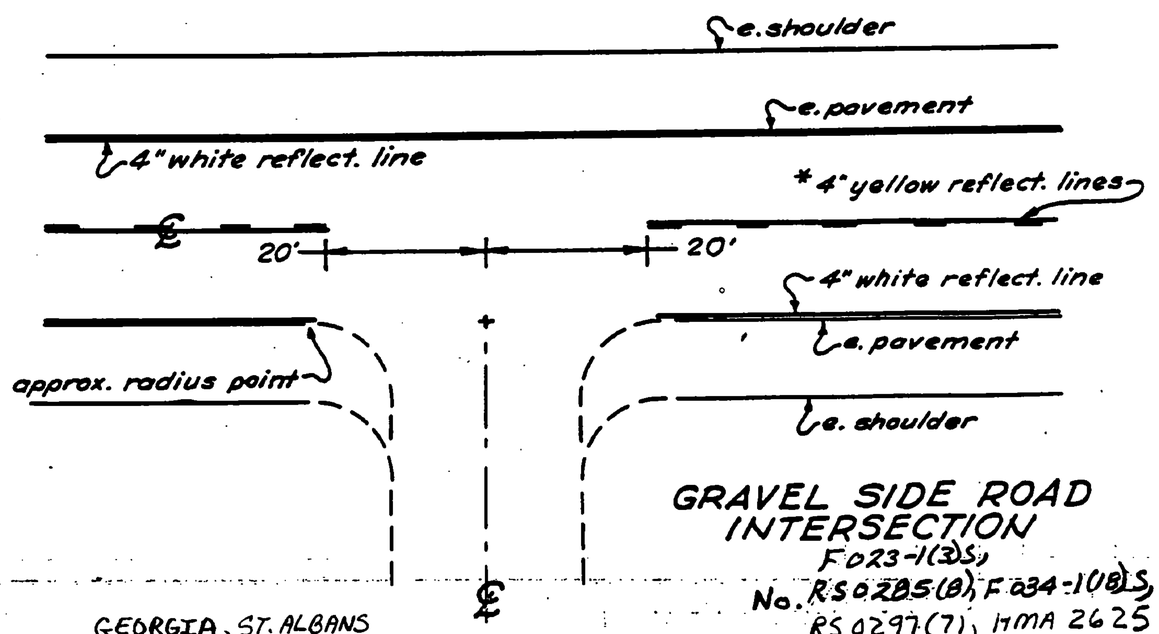
SUBJECT MAINLINE PAVEMENT MARKING AT INTERSECTING SIDE ROAD

SHEET NO. _____ OF _____
JOB NO. _____



SIDE ROAD
90° INTERSECTION

* 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.

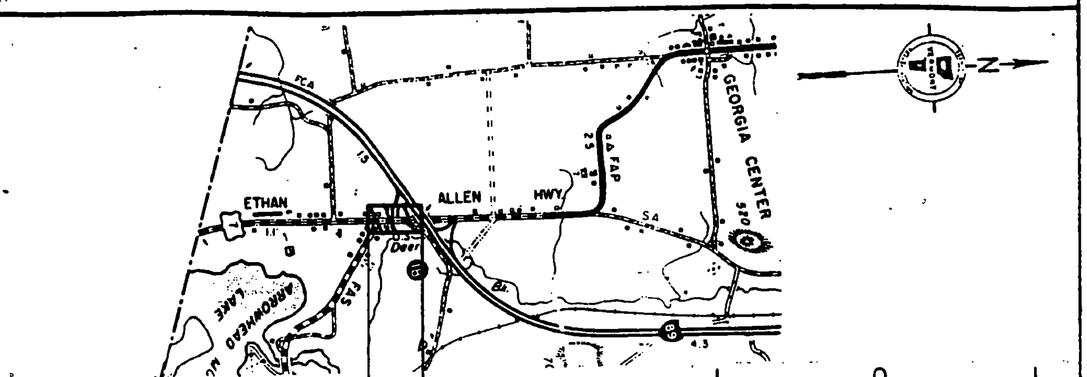


GRAVEL SIDE ROAD
INTERSECTION

F 023-1(3)S,
No. RS 0285(8), F 034-1(8)S,
RS 0297(7), HMA 2625

PROJECT GEORGIA, ST. ALBANS
SWANTON, SHELDON, ENOSBURG

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

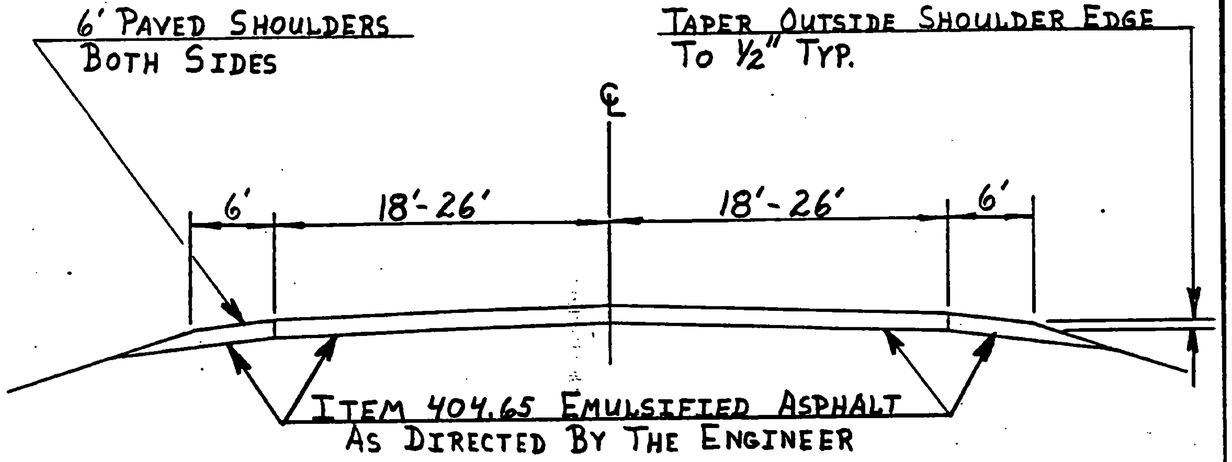
PROJECT GEORGIA

NO. F 023-1(3)S

SHEET 7 OF 52 SHEETS

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

PROJECT GEORGIA

NO. F023-1(3)S

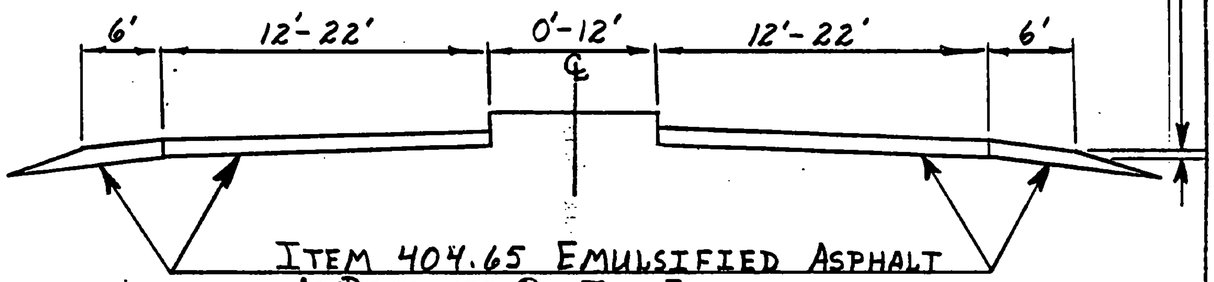
SHEET 8 OF 52 SHEETS

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

6' PAVED SHOULDERS
BOTH SIDES

TAPER OUTSIDE SHOULDER EDGE
TO ½" TYP.



ITEM 404.65 EMULSIFIED ASPHALT
AS DIRECTED BY THE ENGINEER

DISTANCE	WIDTH PAVED SHOULDER	WIDTH TRAVELED WAY	WIDTH MEDIAN	WIDTH PAVED SHOULDER	LEVEL TONNAGE/MI.
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

PROJECT GEORGIA

NO. F 023-1(3)S

SHEET 9 OF 52 SHEETS

ITEM DESCRIPTION / ITEM NUMBER	LENGTH	OVERLAY DEPTH	SHOULDER WIDTH	TRAVELED WAY - WIDTH	PAVED MEDIAN WIDTH (AVE.)	LEVELING COURSE	EMULSIFIED ASPHALT 404.65	BITUMINOUS CONC. PAVT. 406.25	CHANGE ELEV. D.I., C.B., M.H. 604.40	ALL PURPOSE EXC. RENTAL 608.25	
UNIT	FT.	IN.	FT.	FT.	FT.	T/M	CWT	TON	EA.	HR.	
LOCATION											
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	Power Broom Rental	Uniformed Traffic Officers	Flagpersons	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	
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.	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									160			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	3136	5564	.6					
ROUNDING		3	3		4	6						
TOTAL	2	35	35	0.02	3140	5570	.6	290	440	4	1345	

PROJECT GEORGIA

NO. F023-1(3)S

SHEET 14A OF 52 SHEETS

ITEM DESCRIPTION	DURABLE LETTER IN WORD MARKINGS
ITEM NUMBER	646.66
UNIT	EA.
LOCATION	
MM 1.12 LT.	8.
MM 1.24 RT.	8.
TOTAL	16

PROJECT GEORGIA

NO. F023-1(3)S

SHEET 10B OF 52 SHEETS

BY ____ DATE ____ SUBJECT GEORGIA Centerline Mkgs. SHEET NO. ____ OF ____

CHKD. BY ____ DATE ____ JOB NO. F 023-1(3)S

646.35 4" White Reflectorized Line
MM 1.103 - 1.400
1568 x 2 = 3136 LF.

646.36 4" Reflectorized Yellow Line
MM 1.103 ~ 1.13 = 143 LF x 2 = 286 L.F.
1.13 ~ 1.225 = 502 x 4 = 2008
1.225 ~ 1.31 = 449 x 2 = 898
1.31 ~ 1.35 = 211 x 4 = 844
1.35 ~ 1.40 = 264 x 2 = 528
4564
Projected Loss 1000
5564

646.21 Painted Curb
MM 1.12 130 FT. MM 1.26 60 LF.
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.

646.60 Durable 4" Reflectorized White Line
MM 1.12 Lt. Left Turn Lane 120'
MM 1.24 Rt. " " " 170'

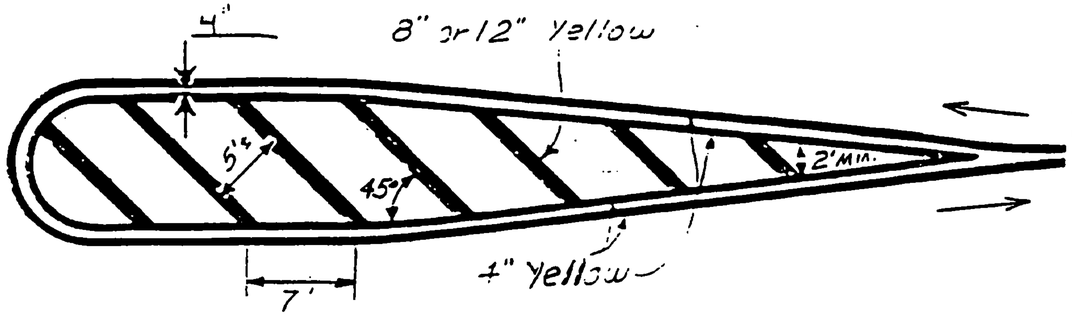
646.68 Durable 8" Reflectorized Yellow Lines
MM 1.13 ~ 1.225 Painted Island 1125 L.F.
MM 1.31 ~ 1.35 " " 220 L.F.

646.66 Durable Letter In Word Mkgs.
MM 1.12 Lt. Left Turn Lane "ONLY ONLY" 8 EA
MM 1.24 Rt " " " " " 8 EA.

Georgia F 023-1(3)S
Sheet 11 Of 52 Sheets

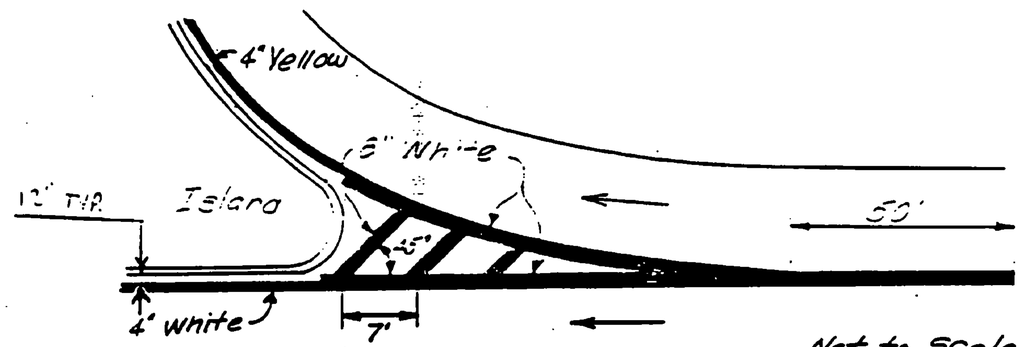
SPECIAL MARKING DETAILS

Painted Island Detail



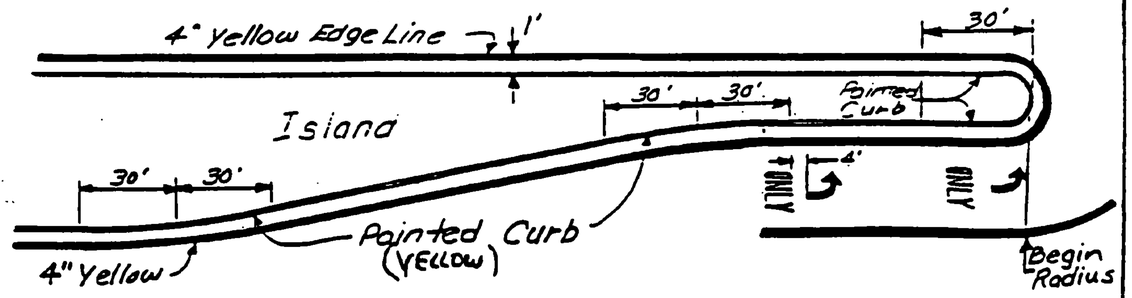
Not to Scale

Gore Marking Detail - Exit



Not to Scale

Turn Lane and Painted Curb Detail



Not to Scale

GEORGIA

F023-1(3)S

SHEET 12 OF 52 SHEETS

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 them 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.

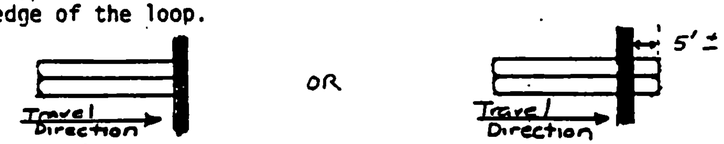
6. There shall be a 4' gap between turn arrows and word markings.

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.

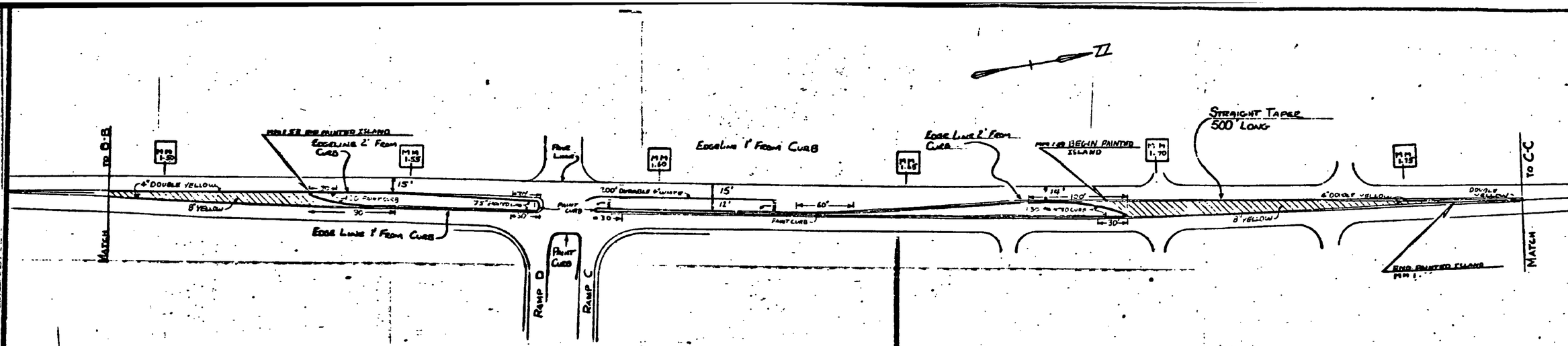
10. Stopbars shall be located no closer than 40' from the nearest signal face and no further than 120' from the furthest face. At intersections where there are existing vehicle detector loops, care should be taken in locating the stop bar. In most cases the stopbar should be at or just behind the front edge of the loop.

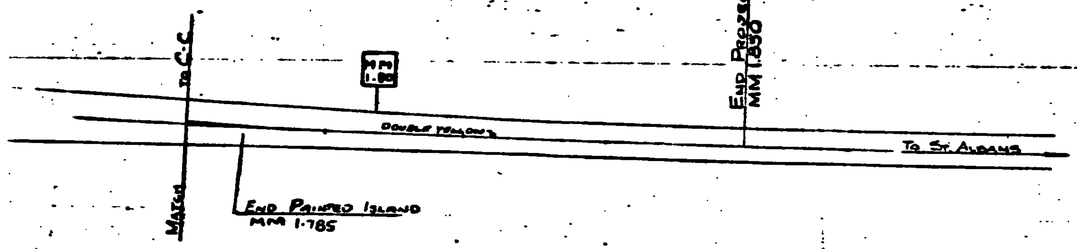


If loop locations are not known, contact either the Maintenance Division or Traffic Design for information.

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





SCALE: 1" = 50'

DATUM
VERTICAL
HORIZONTAL

SURVEYED BY _____ DATE _____
DRAWN BY JFM DATE _____
TRACED BY _____ DATE _____

GEORGIA - U.S.7
PROJ. F NO. 023-1(3)S
SHEET OF

F.023-1(3)S
SHEET 14A OF 52

BEGIN PROJECT MM 0.922

TO MILTON

DOUBLE 4" YELLOW

MM 0.95

MM 1.00

MM 1.05

8" YELLOW

EDGELINE 1' FROM CURB THRU LANE 15'

MM 1.10

DOUBLE 4" YELLOW

9"

4" WHITE

MM 0.969 BEGIN PAINTED ISLAND

500' STRAIGHT TAPER

PAVE LIMIT

PAINT CURB 60'

EDGELINE 2' FROM CURB

THRU LANE 15'

MM 1.13 BEG-N PAINTED ISLAND

EDGELINE 1' FROM CURB

DOUBLE 4" WHITE

4" L WHITE

MM 1.15

DOUBLE 4" YELLOW

STRAIGHT TAPER BETWEEN ISLANDS

MM 1.20

TO A-A

MAIN

TO A-A

EDGELINE 2' FROM CURB

MM 1.25

RAMP A

PAINT CURB

RAMP B

EDGELINE 1' FROM CURB

MM 1.30

10" BEVEL

STRAIGHT TAPER TO END OF BRIDGE

8" YELLOW

4" DOUBLE YELLOW

MM 1.35

BEGIN BRIDGE

END BRIDGE

MM 1.40

STRAIGHT TAPER FROM END OF BRIDGE

MM 1.42

TO B-B

MAIN

6" YELLOW

15'

PAINT CURB

12'

8'

170' DURABLE 4" WHITE

13'

MM 1.225 END PAINTED ISLAND

EDGELINE 1' FROM CURB

MM 1.31 BEGIN PAINTED ISLAND

MM 1.35 END PAINTED ISLAND

MM 1.65 BEGIN PAINTED ISLAND

EDGE LINE

30'

15'

5' YELLOW

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 = 115 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 – 1.323 = 65 LF ±2
1.331 – 1.390 = 260 LF ±4
1.390 – 1.438 = 312 LF ±2
1.438 – 1.530 = 485 LF ±4
1.530 – 1.577 = 250 LF ±2
1.599 – 1.640 = 535 LF ±2
1.640 – 1.795 = 810 LF ±4
1.795 – 1.950 = 345 LF ±2

± LOST DURING SHIMMING (45)

TEMPORARY 4" WHITE REFLECTORIZED LINE

MM 0.922 – 1.850 = 4850 LF ±2

DURABLE 4" REFLECTORIZED WHITE LINE

M/M 1.12 LT - LT TURN LANE
M/M 1.26 RT - LT TURN LANE
M/M 1.60 LT - LT TURN LANE

DURABLE ARROW MARKINGS

M/M 1.12 LT - LT TURN LANE
M/M 1.26 RT - LT TURN LANE
M/M 1.60 LT - LT TURN LANE

DURABLE LETTER IN WORD MARKINGS

M/M 1.12 LT - LT TURN LANE - ONLY, ONLY
M/M 1.26 RT - LT TURN LANE - ONLY, ONLY
M/M 1.60 LT - LT TURN LANE - ONLY, ONLY

DURABLE 8" YELLOW

DURABLE 8" CORAL YELLOW

DURABLE 8" REFLECTORIZED YELLOW LINES

M/M 0.965 – 1.06 PAINTED ISLAND
M/M 1.13 – 1.225 PAINTED ISLAND
M/M 1.31 – 1.35 PAINTED ISLAND
MM 1.430 – 1.53 PAINTED ISLAND
MM 1.69 – 1.76 PAINTED ISLAND

PAINTED CUBS

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 1.55 ✓
ISLAND MM 1.58 ✓
ISLAND MM 1.66

0 50 100 150
SCALE: 1" = 50'

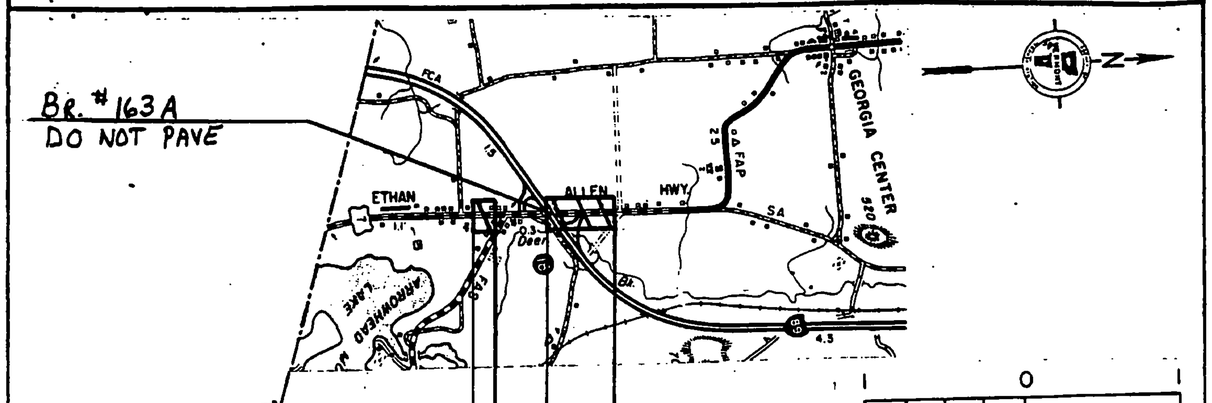
DATUM
VERTICAL
HORIZONTAL

SURVEYED BY _____ DATE _____
DRAWN BY T.F.M. DATE _____
TRACED BY P.M.C. DATE _____

GEORGIA - U.S. RTE. 7
PROJ. HM# NO. 2636
SHEET 14 OF 34

F023-1(3)S
SHEET 14 OF 52

PROJECT DESCRIPTION AND LOCATION



LENGTH OF PROJECT
3331 FEET
0.631 MILE

TRAFFIC DATA
1982 ADT = 2650
V = 50 MPH

BEGIN PART 1
MM 0.922

END PART 1
MM 1.103

BEGIN PART 2
MM 1.400

END PART 2
MM 1.850

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.

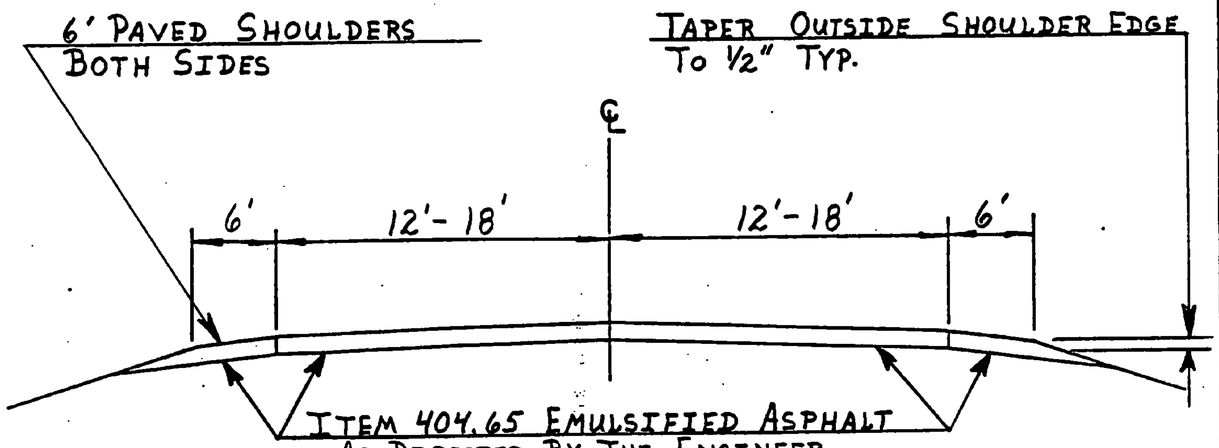
PROJECT GEORGIA

NO. R5 0285(8)

SHEET 15 OF 52 SHEETS

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

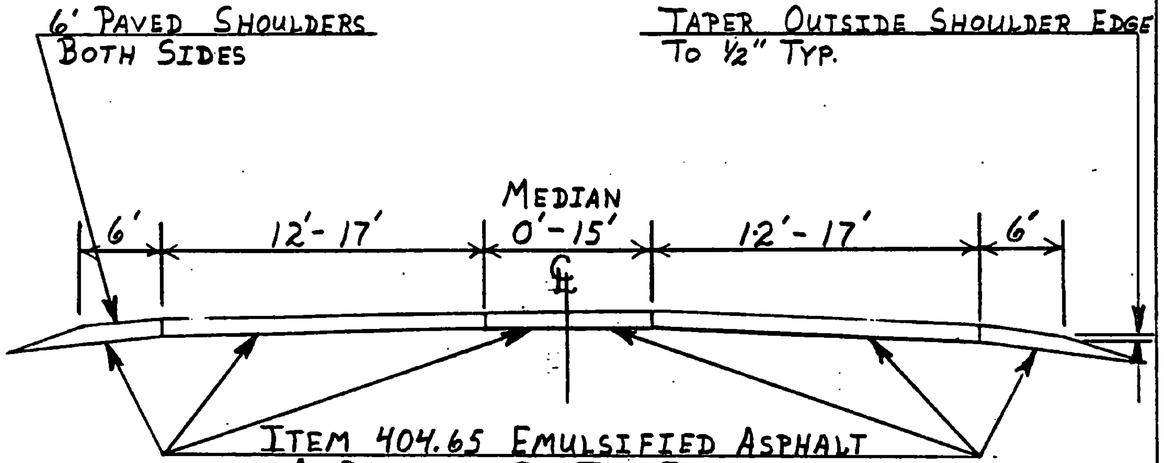
PROJECT GEORGIA

NO. RS 0285(8)

SHEET 16 OF 52 SHEETS

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

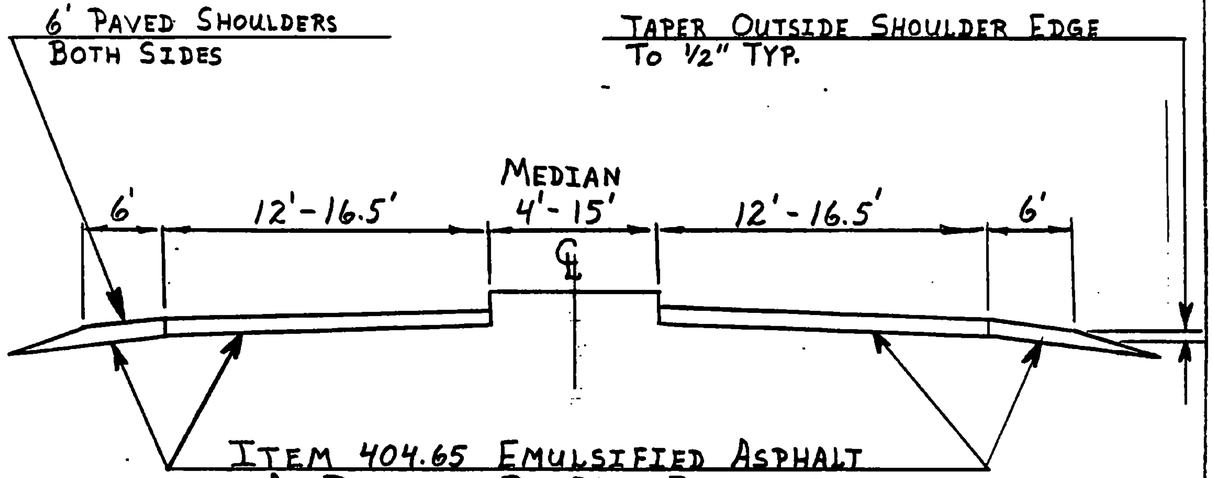
PROJECT GEORGIA

NO. RS-0285(8)

SHEET 17 OF 52 SHEETS

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



ITEM 404.65 EMULSIFIED ASPHALT
AS DIRECTED BY THE ENGINEER

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

PROJECT GEORGIA

NO. RS 0285(8)

SHEET 18 OF 52 SHEETS

ITEM DESCRIPTION / ITEM NUMBER	LENGTH	OVERLAY DEPTH	SHOULDER WIDTH	WIDTH-TRAVELED WAY	WIDTH-PAVED MEDIAN	LEVELING COURSE		EMULSIFIED ASPHALT 404.65	BITUMINOUS CONC. PAVT. 406.25	CHANGE ELEV. D.I., C.B., M.H. 604.40	ALL PURPOSE EXC. RENTAL 608.25	
UNIT	FT.	IN.	FT.	FT.	FT.	T/MI.		CWT	TON	EA.	HR.	
LOCATION												
MM 0.922-0.97	253	1	12	34	–			2.	72.			PAVED SHOULDERS
						386			19.			LEVEL
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
						273			25.			LEVEL
								2	100			APPROACHES
PROJECT EST.										1	5	
ROUNDING								2	23			
TOTAL								25.	1200.	1.	5.	

PROJECT GEORGIA

NO. RS 0285(8)

SHEET 19 OF 52 SHEETS

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	3	2		5		10	
TOTAL	5.	60.	60.	0.05	6670	16950	15.	200	780	2.	1630.	

PROJECT GEORGIA

NO. RS 0285(8)

SHEET 19A OF 52 SHEETS

ITEM DESCRIPTION	DURABLE LETTER IN WORD MKGS.												
ITEM NUMBER	646.66												
UNIT	EA.												
LOCATION													
MM 1.60 LT.	8												LT. TURN LANE
TOTAL	8												

PROJECT GEORGIA

NO. RS 0285(8)

SHEET 198 OF 52 SHEETS

BY _____ DATE _____ SUBJECT GEORGIA CENTERLINE MKG. SHEET NO. _____ OF _____
CHKD. BY _____ DATE _____ JOB NO. RS 0285(8)

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

646.36 REFLECTORIZED YELLOW LINE
0.920-0.965 = 240x2 = 480 LF
0.965~1.060 = 500x4 = 2000 LIF
1.060~1.100 = 210x2 = 420 LIF
1.110~1.103 = 16x2 = 32 LIF
1.40~1.438 = 200x2 = 400 LIF
1.438~1.530 = 488x4 = 1952 LIF
1.530~1.577 = 250x2 = 500 LIF.
1.589~1.690 = 535x2 = 1070 LIF
1.690~1.785 = 510x4 = 2040 LIF
1.785~1.850 = 345x2 = 690 LIF
9684
9684 X1.75(Loss) = 16947 L.F.

646.21-PAINTED CURB
MM 1.06 210 L.F. MM 1.59 60 L.F.
MM 1.10 60 L.F. MM 1.65 255 L.F.
MM 1.55 190 L.F.

646.60 DURABLE 4" REFLECT. YELLOW LINES
MM 1.60 200 L.F.

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.

Georgia RS 0285(8)
Sheet 200f52 Sheets

BY_____ DATE_____ SUBJECT GEORGIA SHEET NO._____ OF_____

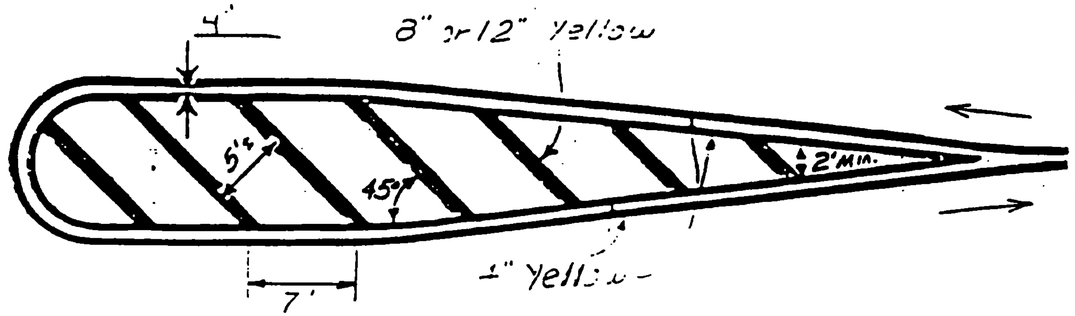
CHKD. BY_____ DATE_____ CENTERLINE MKGS. JOB NO. RS 0285(8)

646.65- DURABLE ARROW MKGS.
MM 1.60 - 2 EA.

646.66 DURABLE LETTER IN WORD MKGS.
MM 1.60 - 8 EA

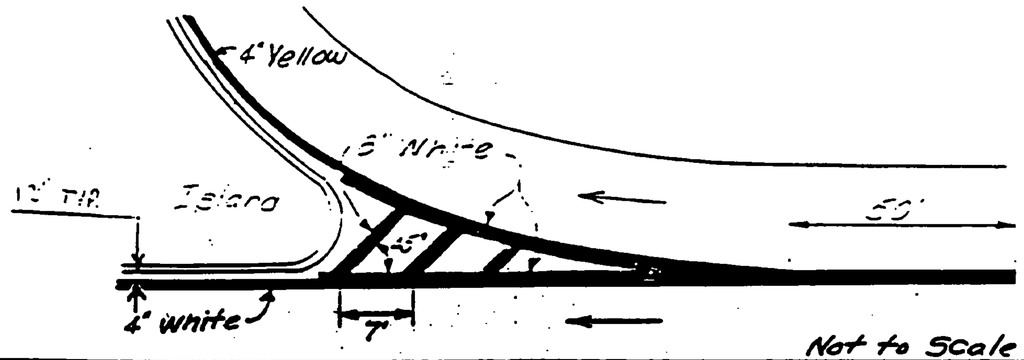
SPECIAL MARKING DETAILS

Painted Island Detail



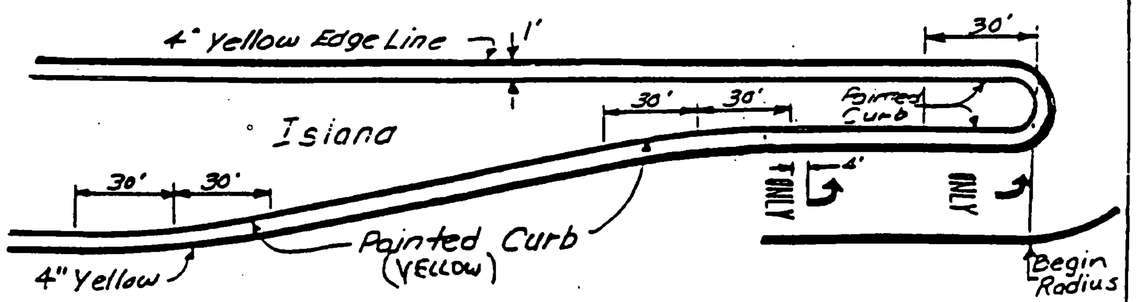
Not to Scale

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 them 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.

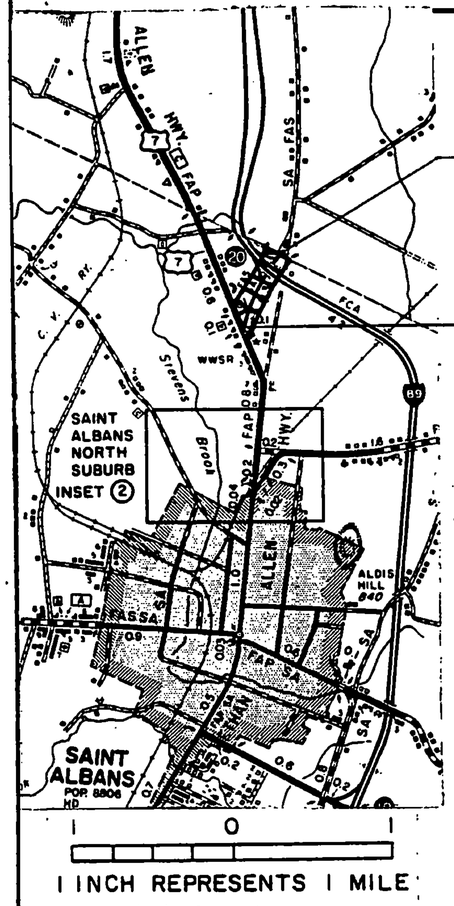
If loop locations are not known, contact either the Maintenance Division or Traffic Design for information.

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

RS 0285(8)
GEORGIA

PROJECT DESCRIPTION AND LOCATION



END PROJECT
MM 0.316

BEGIN PROJECT
MM 0.000

N

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

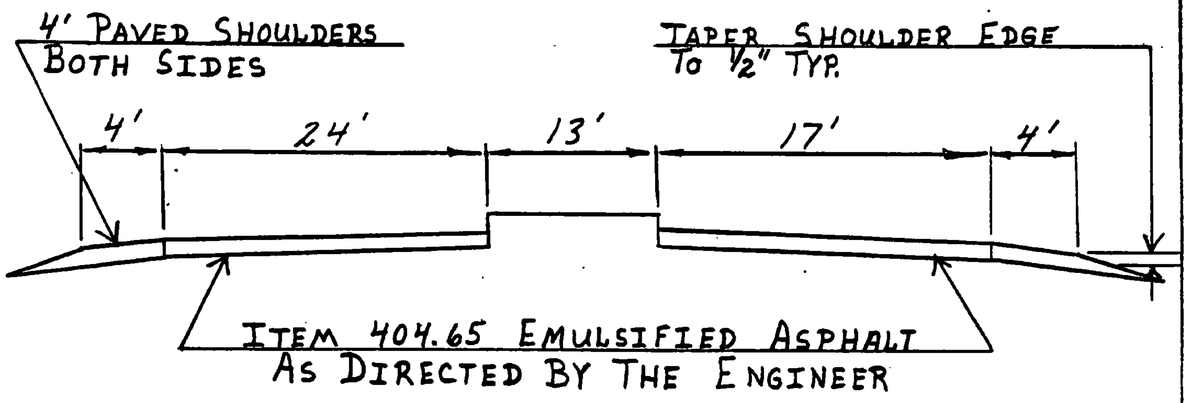
PROJECT ST. ALBANS

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/MI.)
AS DIRECTED BY THE ENGINEER
1" WEARING COURSE, TYPE III



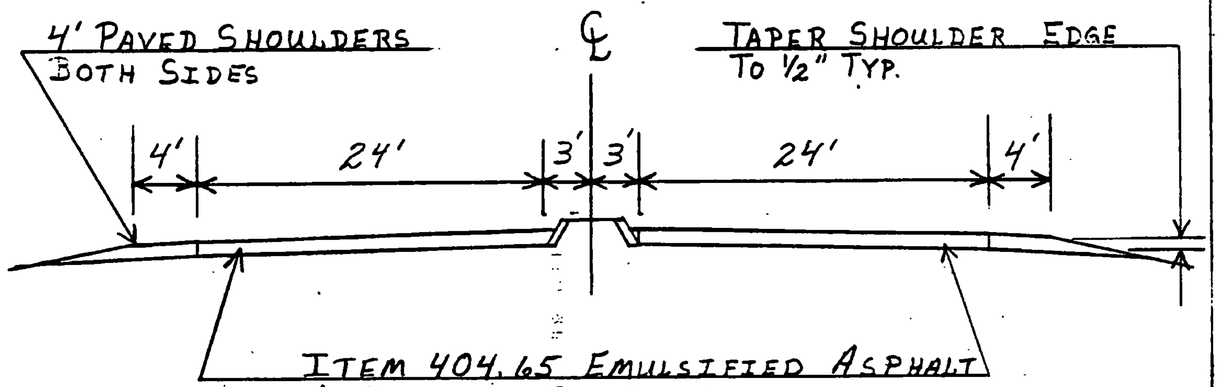
ST. ALBANS MM 0.000~0.085

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

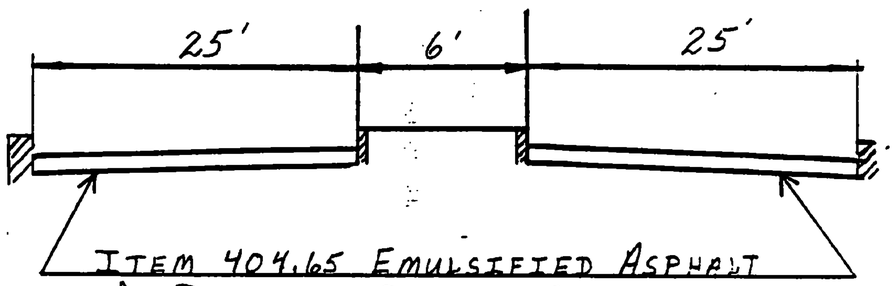
PROJECT ST. ALBANS

NO. RS 0297(7)

SHEET 25 OF 52 SHEETS

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

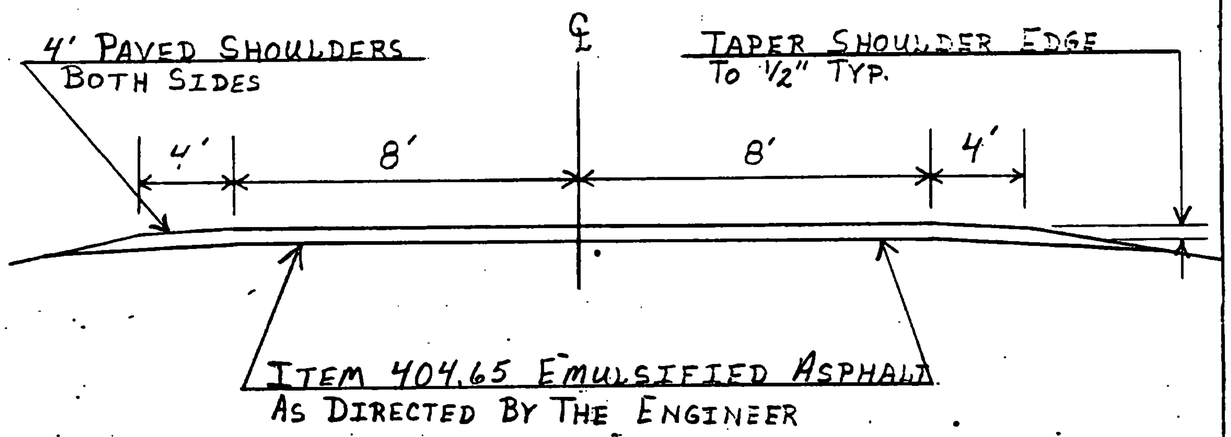
PROJECT ST. ALBANS

NO. RS 0297(7)

SHEET 26 OF 52 SHEETS

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 ST. ALBANS

NO. RS 0297(7)

SHEET 27 OF 52 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH	WIDTH	OVERLAY DEPTH	LEVELING COURSE	GRAVEL SHOULDERS	GRAVEL SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS CONCRETE PAVEMENT	POWER BROOM RENTAL	CHANGE ELEV. OF CB, DI OR MH	UNIFORMED TRAFFIC OFFICERS	FLAGPERSONS	MOBILIZATION	TOPSOIL	
						OPTION									
ITEM Nº					402.10	402.11	404.65	406.25	608.30	604.40	630.10	630.15	635.10	653.10	
UNIT	FT.	FT.	IN.	TONS/MI.	CY.	TON	CWT	TON	HR.	EA.	HR.	HR.	L.S.	C.Y.	
LOCATION															
MM 0.00~0.085	449	41	1	559	-	-	3.	136.							4' PAVED SHOULDERS
								48.							LEVEL @ 559 TONS/mi.
MM 0.085~0.221	718	48	1	655	-	-	6.	248.							4' PAVED SHOULDERS
								89.							LEVEL @ 655 TONS/mi
MM 0.221~0.316	502	50	1	682	-	-	3.	155.							6' MEDIAN CURB to CURB
								65.							LEVEL @ 682 TONS/mi
APPROACH SEC.	881	16	1	218	-	-	3.	130.							4' PAVED SHOULDERS
								36.							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 LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH	WIDTH	ALL PURPOSE EXCAVATOR RENTAL TYPE I	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.	
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
Edgelines Rt.- As Shown
Centerlines (Dashed) As Shown

Temp. 4" Yellow Line
Edgelines Lt.-As Shown

Durable 4" White Line
Lane Line @ Intersection-As Shown

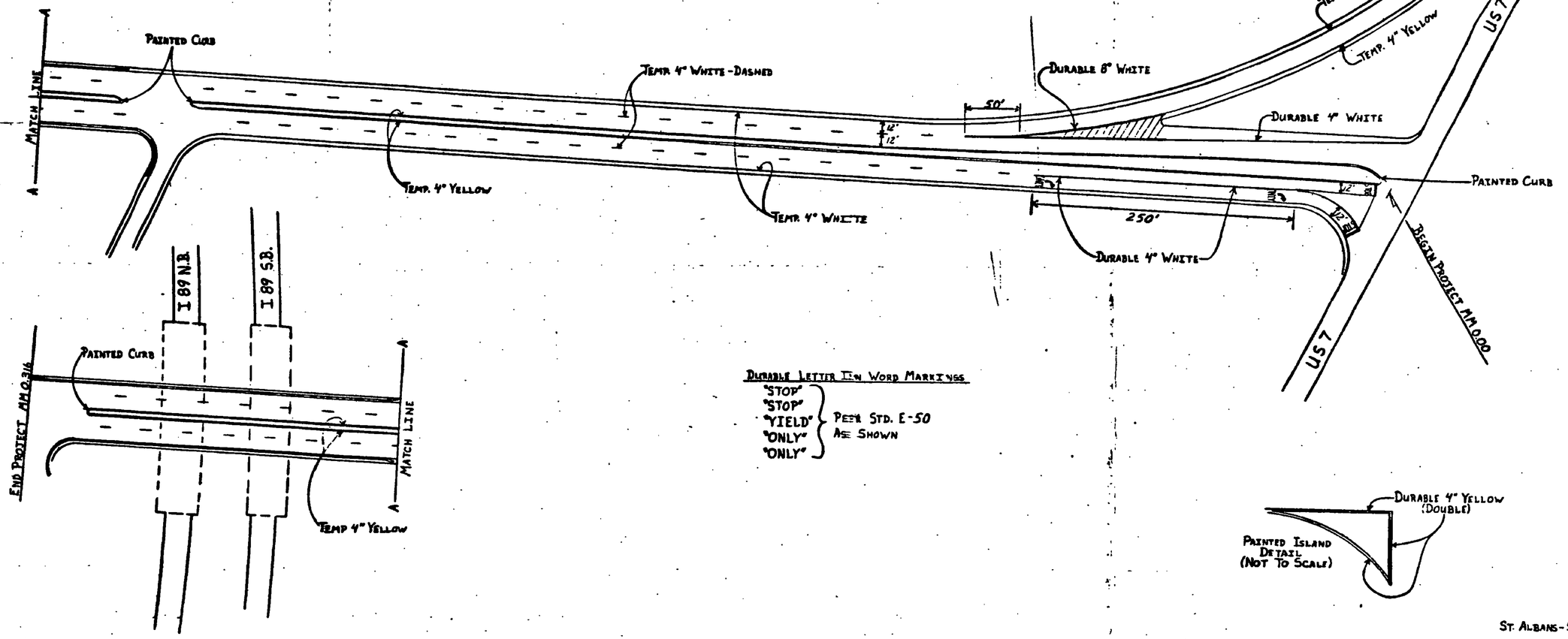
Durable 4" Yellow Line
Painted Island @ Intersection

Durable 24" Stop Bars
U.S. 7 Intersection-As Shown

Painted Curbs
Ends Of Islands-As Shown
(See Detail Sheet)

Durable 8" White Line
Gore Area As Shown
(See Detail Sheet)

Durable Arrow Markings
Lane Line- As Shown



Durable Letter Ten Word Markings
"STOP"
"STOP"
"YIELD" } Per Std. E-50
"ONLY" } As Shown
"ONLY"

DATUM
VERTICAL
HORIZONTAL

0 50 100 150
Scale 1"=50'

St. Albans-State Highway No

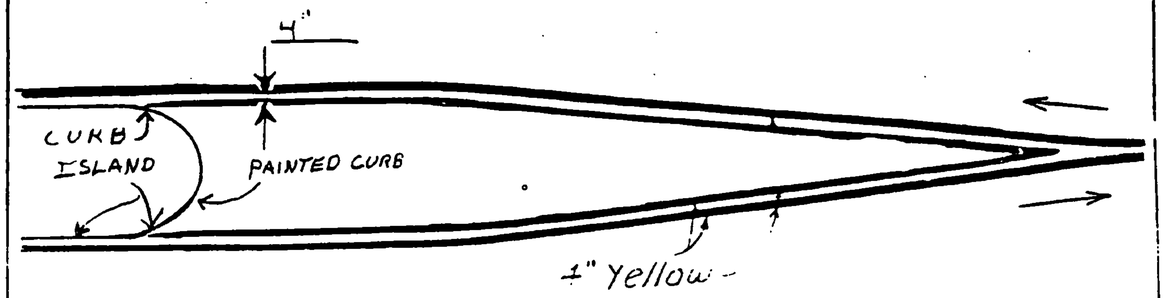
SURVEYED BY _____ DATE _____
DRAWN BY JLR DATE _____
TRACED BY JLR DATE _____

St. Albans VT. 207
PROJ. RS NO. 0297(7)
SHEET OF

SHEET 29 OF 52

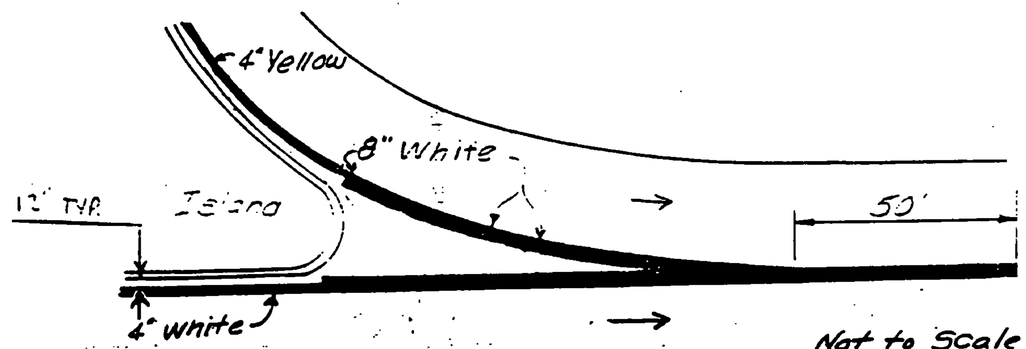
SPECIAL MARKING DETAILS

Painted Island Detail



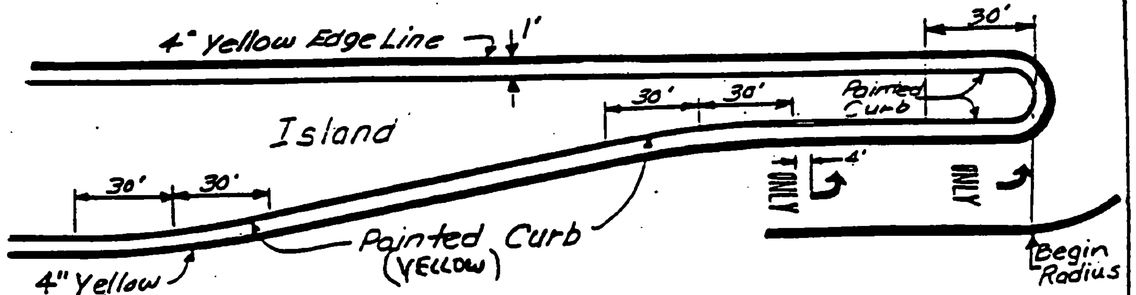
Not to Scale

Gore Marking Detail



Not to Scale

Turn Lane and Painted Curb Detail



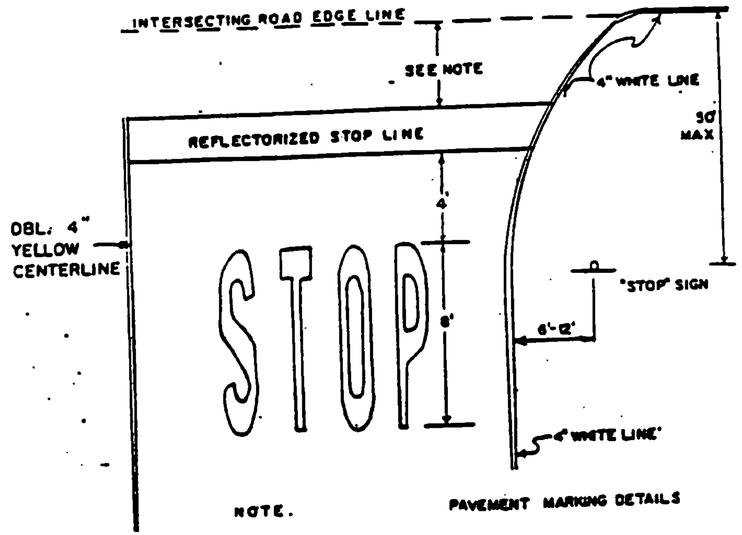
Not to Scale

NO. RS 0297(7)

PROJECT ST. ALBANS

SHEET 30 OF 52 SHEETS

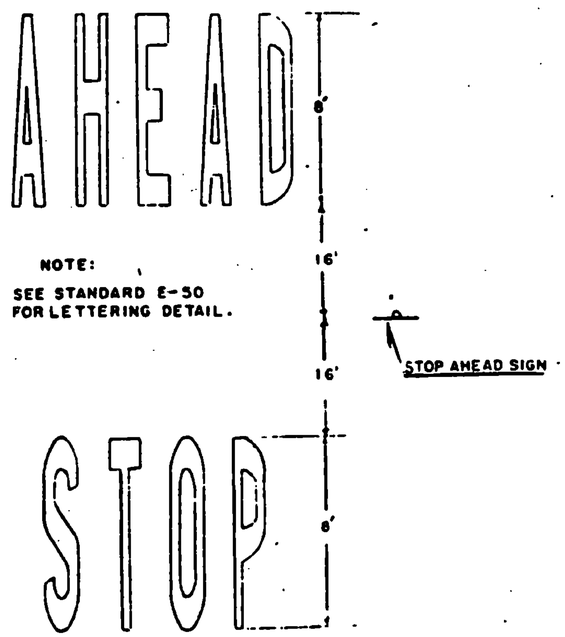
STOP BAR DETAILS



NOTE. PAVEMENT MARKING DETAILS

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



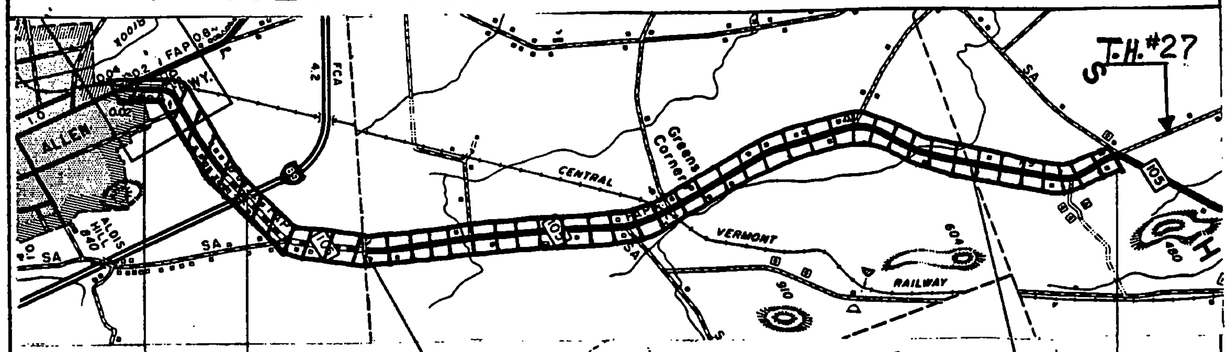
NOTE:
SEE STANDARD E-50 FOR LETTERING DETAIL.

PROJECT ST. ALBANS

No. RS 0297(7)

SHEET 31 OF 52 SHEETS

PROJECT DESCRIPTION AND LOCATION



T/L — SWANTON MM 3.900
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.

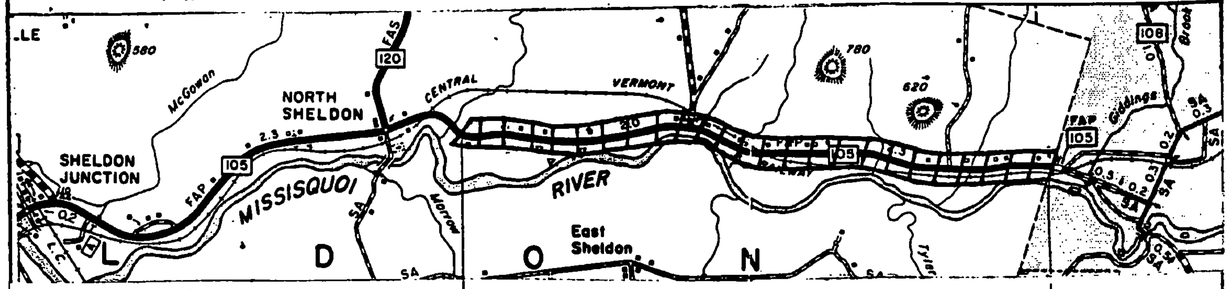
LENGTH OF SEGMENT 1
6.789 MI.
35846 FT.

PROJECT ST. ALBANS-SHELDON

NO. HMA 2625

SHEET 32 OF 52 SHEETS

PROJECT DESCRIPTION AND LOCATION



BEGIN PROJECT
MM 7.400

END PROJECT
MM 11.030

T/L END PROJECT SHELDON MM 11.030
ENOSBURG MM 0.000

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

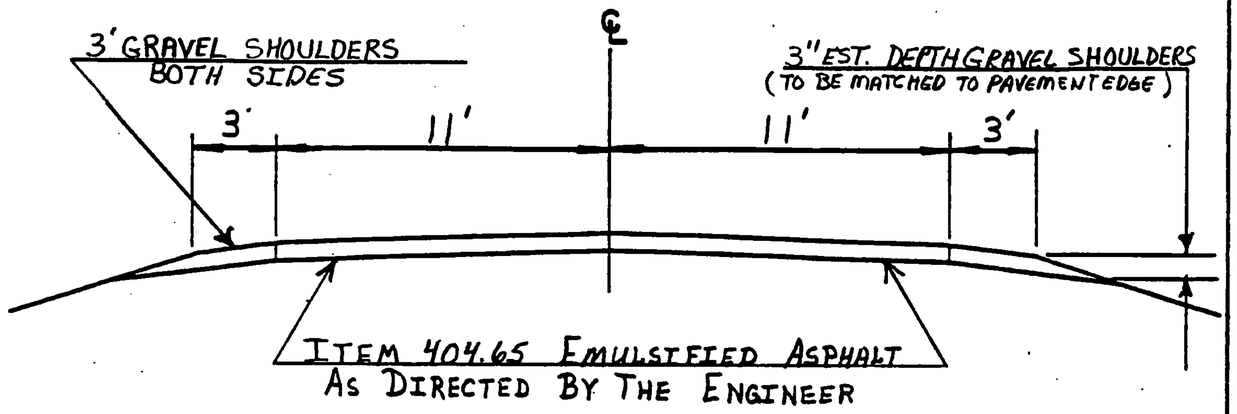
PROJECT ST. ALBANS - SHELDON

NO. HMA2625

SHEET 33 OF 52 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT AS DIRECTED BY THE ENGINEER



LOCATION	WIDTH	LEVEL T/M	WEARING COURSE DEPTH	WEARING 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 ST. ALBANS- SHELDON

NO. HMA 2625
SHEET 34 OF 52

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH	WIDTH	OVERLAY DEPTH	LEVELING COURSE	GRAVEL SHOULDERS	GRAVEL SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS CONCRETE PAVEMENT	POWER BROOM RENTAL	CHANGE ELEV. OF CB, DI OR MH	UNIFORMED TRAFFIC OFFICERS	FLAGPERSONS	MOBILIZATION	TEMP. PAVT. MRG WHITE 4"	
							OPTION								
ITEM NO					402.10	402.11	404.65	406.25	608.30	604.40	630.10	630.15	635.10	646.35	
UNIT	FT.	FT.	IN.	TONS/ML	CY.	TON	CWT	TON	HR.	EA.	HR.	HR.	LS	L.F.	
LOCATION															
ST. ALBANS															
MM 0.000~1.663	8781	22	1.25	250	488·	854·	27·	1491·						17,562	3' GRAVEL SHOULDERS
								416·							LEVEL @ 250 TONS/MI.
ST. ALBANS-SWANTON															
MM 1.663~1.943	11663	22	1.25	300	648·	1134·	36·	1981·						23,338	3' GRAVEL SHOULDERS
								663·							LEVEL @ 300 TONS/MI.
SWANTON-SHELDON															
MM 1.943~0.960	15402	22	1.00	250	856·	1498·	47·	2091·						30,804	3' GRAVEL SHOULDERS
								729·							LEVEL @ 250 TONS/MI.
SHELDON															
MM 7.400~11.030	19166	22	1.00	250	1065·	1864·	58·	2602·						38,332	3' GRAVEL SHOULDERS
								908·							LEVEL @ 250 TONS/MI.
PROJECT EST.					30	20	15	110	83	4	545	545	0.85		
ROUNDING					13	5	2	9	2		5	5		14	
TOTAL	55012				3100·	5375·	175·	11000·	85·	4	550·	550	0.85	110050·	

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH	WIDTH	TEMP. PAVT. MKG. 4" YELLOW	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					
ITEM NO			646.36	646.64	646.66	646.67	653.10	675.21	675.35	608.25					
UNIT	FT.	FT.	L.F.	L.F.	EA.	EA.	C.Y	S.F.	Lbs.						
LOCATION															
ST. ALBANS															
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 1.943~0.960			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'					

ST. Albans - Swanton - Sheldon VT 105

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.
TOWN LINE								
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.
TOWN LINE								
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
			185% x 46,065 = 85,220					
			50,065 = 92620					

TEMPORARY 4" REFLECTORIZED WHITE LINE

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.

BY JFM DATE 1-6-15 SUBJECT DURABLE PAVEMENT MARKINGS & SIGNS SHEET NO. ____ OF ____
CHKD. BY ____ DATE ____ JOB NO. ____

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 E-2AA, E-45, E-50

Note! Use 2 Lbs/ft posts for new signs

Swanton M/M 1.73 RT 12' post @ 2lbs/Lf - 24 Lbs
Swanton M/M 2.01 LT 12' post @ 2Lbs/ft - 24 Lbs
Total 48 Lbs

Note: Removal of old signs and posts will be subsidary to other items on contract.
Old signs and posts will become property of STATE to be picked up by district.

PROJECT: SHELDON ROUTE VT 105 PROJECT NUMBER

TEMPORARY 4" REFLECTORIZED YELLOW LINE

MILE	MILE	LT	RT	QUANTITY LT	QUANTITY ℄	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% ℄ LOST DURING SHIMMING						31,946
		31,786 X	1.75 =	55,626	(2-T.H. 40 X2)		- 160
							31786

NEW RR ADVANCE SIGNS & POSTS

Location by M/M		POST TYPE	POST WEIGHT/FT	POST LENGTH	POST WT	SIGN LEGEND	SIGN AREA
9.08	RIGHT	A	2 Lbs/FT	12'	24 Lbs.	RR ADVANCE SYMBOL	7.1 SF
9.38	LEFT	A	2 Lbs/FT	12'	24 Lbs.	RR ADVANCE SYMBOL	7.1 SF
				TOTALS	48 Lbs.		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	38,332 LF

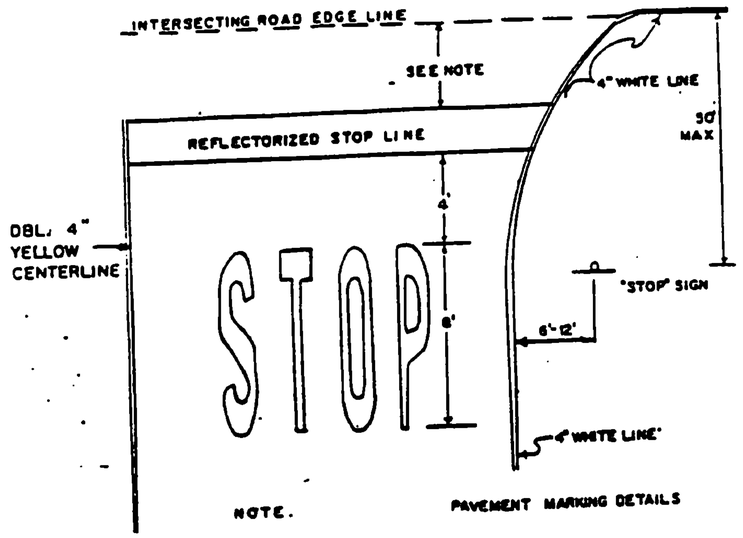
DURABLE SPECIAL PAVEMENT MARKINGS

9.08	RT	—	RR SYMBOL	—	—	1 ea	1 ea
9.38	LT	RR SYMBOL	—	1 ea	—	—	1 ea
11.025	RT	—	RR SYMBOL	—	—	1 ea	1 ea
		TOTAL -	RR SYMBOLS - 3 ea				

ST. ALBANS - SHELDON

HMA 2625

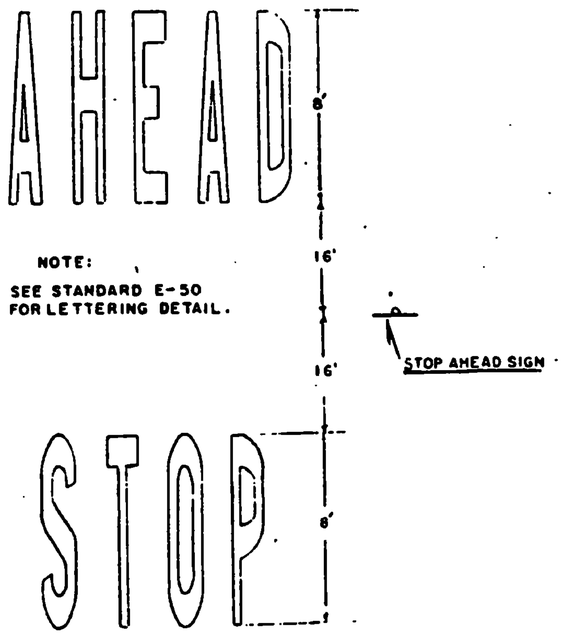
STOP BAR DETAILS



PAVEMENT MARKING DETAILS

NOTE.

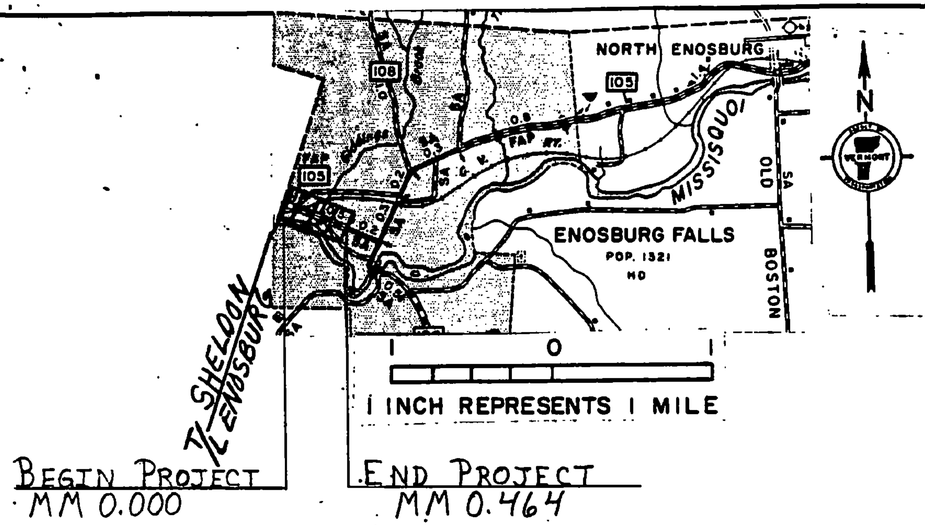
1. THE STOP LINE SHOULD BE PLACED AT THE DESIRED STOPPING POINT. IN NO CASE MORE THAN 30 FEET OR LESS THAN 4' FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY, OR EDGE OF CROSSWALK.



NOTE:
SEE STANDARD E-50 FOR LETTERING DETAIL.

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

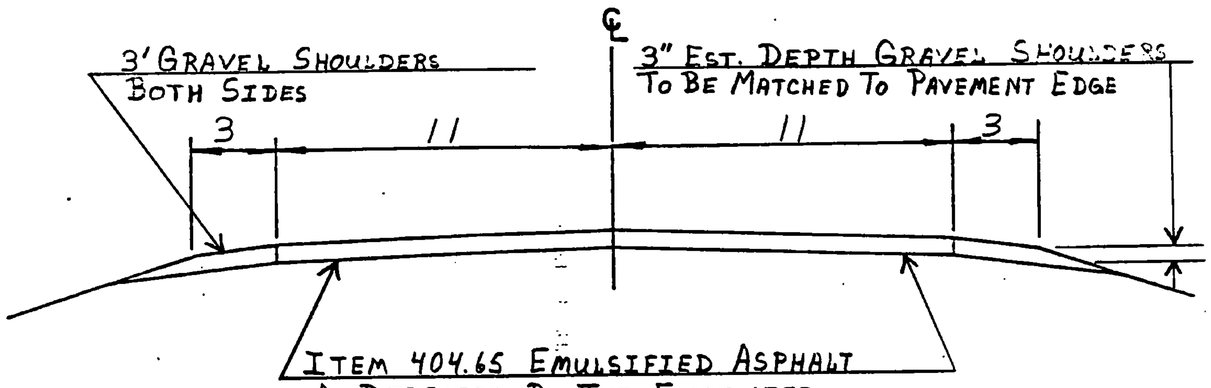
PROJECT ENOSBURG

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 ENOSBURG

NO. F 034-1(18)S

SHEET 41 OF 52 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION / ITEM NUMBER / UNIT / LOCATION	LENGTH FEET	WIDTH FT	WIDTH INCH	OVERLAY DEPTH S.Y.	GRAVEL SHOULDERS CY	GRAVEL SHOULDERS OPTION TON	EMULSIFIED ASPHALT CWT	BITUMINOUS CONCRETE PAVEMENT TON	CHANGE ELEV. OF CB, DI, OR MH EA	ALL PURPOSE EXC. RENTAL, TYPE I HR	POWER BROOM RENTAL HR	UNIFORMED TRAFFIC OFFICERS HR	FLAGPERSONS HR	MOBILIZATION LS	TEMPORARY PAVEMENT MARKING- White LF	TEMPORARY PAVEMENT MARKING- Yellow	REMARKS
	402.10			402.11	404.65			406.25	604.40	608.25	608.30	630.10	630.15	635.10	646.35	646.36	
MM 0.000-0.464	2450	22	1"		136°	238°	7°	333°							4900	8369	3" Gray Shoulder
								116°									250 T/M LEVEL
PROJECT EST.							1	40	1		4	22	22				
ROUNDING					4°	2°	2	11			1	3	3	0.04	50	31	
					140°	240°	10°	500°	1°	5°	5°	25°	25°	0.04	4950°	8400°	

PROJECT LENGTHS AND ITEM QUANTITIES

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

PROJECT: ENOSBURG ROUTE VT 105 PROJECT NUMBER _____

TEMPORARY 4" REFLECTORIZED YELLOW LINE

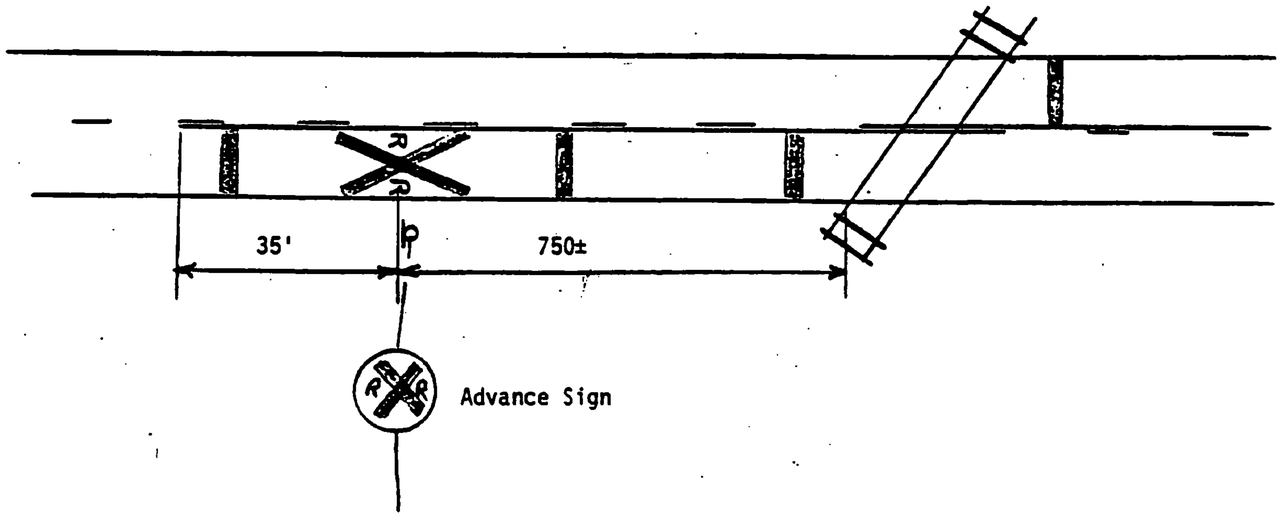
MILE	MILE	LT	RT	QUANTITY LT	QUANTITY ℄	QUANTITY RT	TOTAL
0.00	0.03	DASH	SOLID	40.		158.	198.
0.03	0.464	SOLID	SOLID	2292.		2292	4584.
							4782.
		ASSUME 75% ℄ IS LOST		DURING SHIMMING (ITH 40x2)			80
							4702
		4702 x	175% =	8229.25			
	Item 646.67 - Durable Railroad			Crossing Pavement Marking	6 Valley		
0.25	Left	RR SYMBOL	—	1 ea	—	—	1 ea

TEMPORARY 4" REFLECTORIZED WHITE LINE

0.00	0.464	SOLID	SOLID	2450.		2450	4900.

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