STATE OF VERMONT
AGENCY OF TRANSPORTATION

Dated JUN 13 1984

Cooley Asphalt Paving Corp.
Contractor

Wilfred C. Lapsead
Signature

President
Title

CONTRACT PLANS

THESE PLANS DO NOT REFLECT CHANGES MADE ON THE PROJECT.

PROPOSED IMPROVEMENT

RESURFACING PROJECT

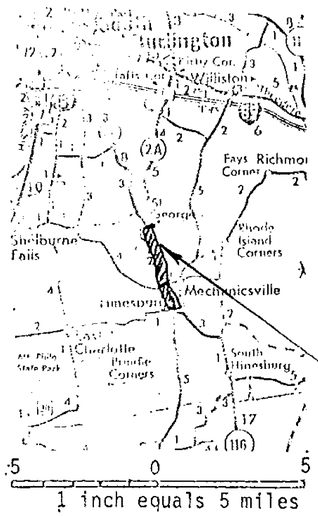
Transportation Secretary's Signature

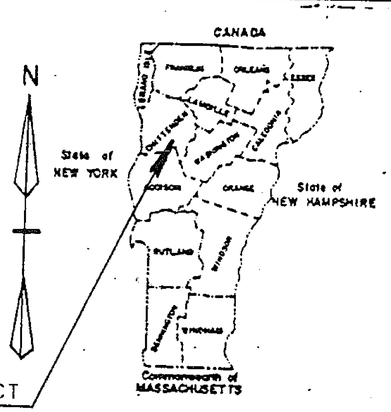
TOWN OF: HINESBURG-ST GEORGE

COUNTY OF: CHITTENDEN

ROUTE NO: VT 116

ROUTE CLASS: FAP





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.

INDEX OF SHEETS

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED Arthur Gay DATE APR 26 1984

DIRECTOR OF ENGINEERING AND CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

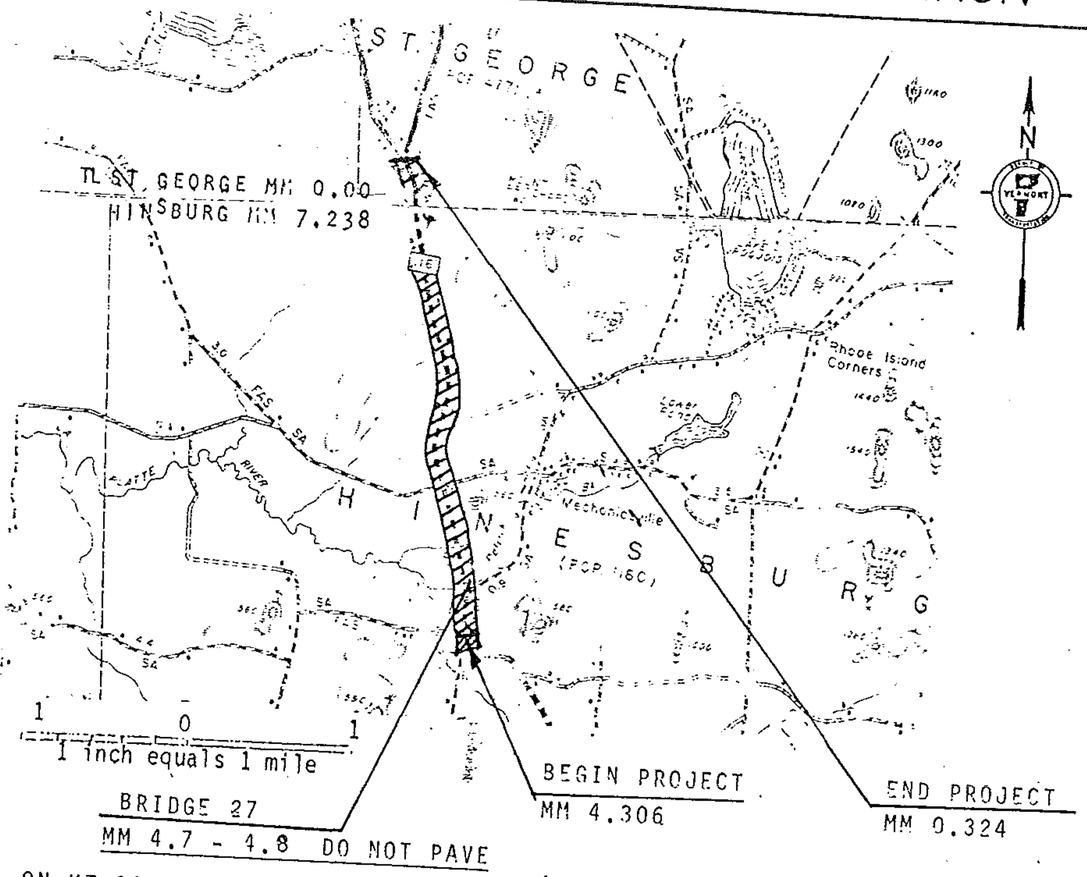
APPROVED _____ DATE _____

DIVISION ADMINISTRATOR

PROJECT NO. HMA 2519

SHEET 1 OF 11 SHEETS

PROJECT DESCRIPTION AND LOCATION



ON VT 116: BEGINNING 2.932 MILES SOUTHERLY OF THE HINESBURG-ST GEORGE TOWN LINE AT HINESBURG MM 4.306 AND EXTENDING 3.156 MILES NORHTERLY TO ST GEORGE MM 0.324 AT THE JUNCTION OF VT 116 AND VT 2A.

LENGTH OF PROJECT
3.156 Miles
16,663 Feet

NOTE: Bridge 27-Bridge project to be let do not pave between MM 4.7 & 4.8

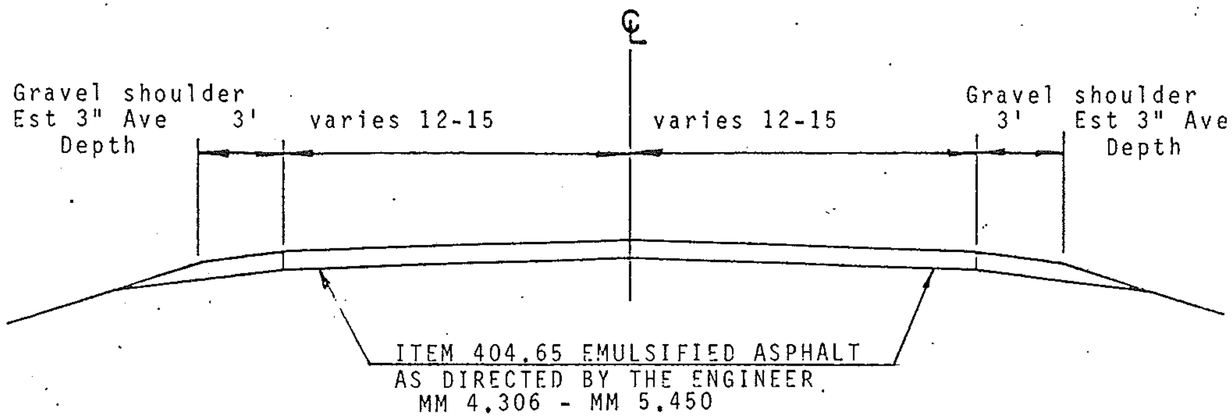
PROJECT HINESBURG-ST GEORGE

NO. HMA 2519

SHEET 2 OF 11 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
Leveling course, Type III or IV (250 Tons/Mile)
AS DIRECTED BY THE ENGINEER
1½" Wearing course(±¼") Type III



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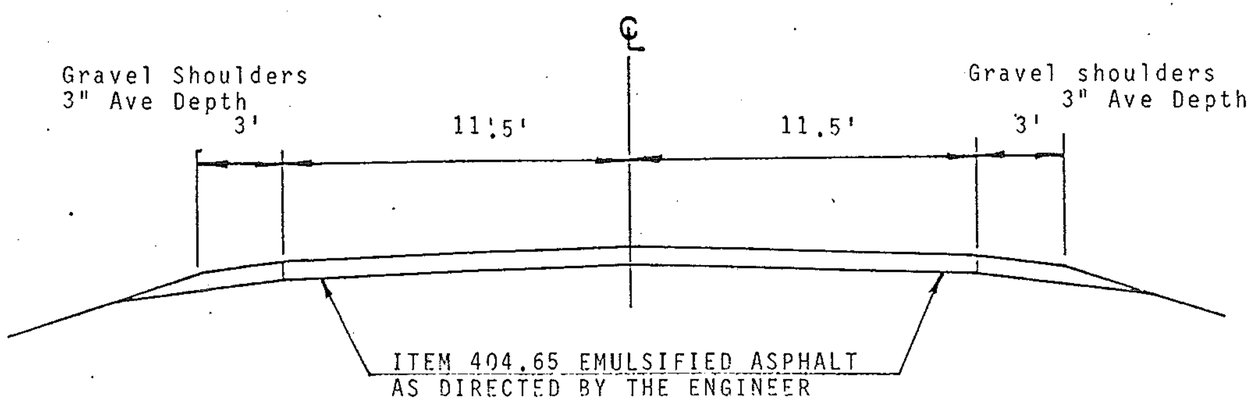


Hinesburg — St George
MM 5.450 - MM 0.324

TRAFFIC DATA

1982 ADT = 4710
V = 50 MPH

PROJECT HINESBURG-ST GEORGE

NO. HMA 2519

SHEET 3 OF 11 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION / ITEM NUMBER	LENGTH	WIDTH	OVERLAY DEPTH	DURABLE LETTER IN WORD MARKING OPTION	GRAVEL SHOULDERS 646.66	GRAVEL SHOULDERS 402.10	EMULSIFIED ASPHALT 402.11	BITUMINOUS CONCRETE PAVEMENT 404.65	CHANGE ELEV. OF CB, DI, OR MH 406.25	ALL PURPOSE EXC. RENTAL, TYPE 1 604.40	POWER BROOM RENTAL, TYPE 1 608.25	ENLARGED TRAFFIC OFFICERS 608.30	FLAGPERSONS 630.10	MOBILIZATION 630.15	TEMPORARY PAVEMENT MARKING- White 635.10	TEMPORARY PAVEMENT MARKING- Yellow 646.35	646.36	REMARKS
UNIT	FEET	FT	INCH	EA	CY	TON	CWT	TON	EA	HR	HR	HR	HR	LS	LF			
LOCATION																		
HINESBURG MM 4.305-4.36	285	24	1½		16	26	2	63										
SCHOOL MM 4.375				6				15										250 T/M Level Factored 273 T/M
MM 4.36-4.55	1003	30	1½		56	92	8	279										
								65										250 T/M Level Factored 341 T/M
MM 4.55-4.70	792	25	1½		44	73	6	183										
								43										250 T/M Level FACTORED 284 T/M
MM 4.70-4.80	DO NOT PAVE																	
HINESBURG MM 4.80-7.238																		
ST GEORGE MM 0.00-0.324	14583	23	1½		810	1336	95	3106										
								721										250 T/M Level Factored 261 T/M
Proj Estimate					50	88	5	200	1	5	25	115	115	1	34404	42730		
ROUNDING					24	35	4	25			5	5	5		96	70		
	16663			6	1000	1650	120	4700	1	5	30	120	120	1	34500	42800		

PROJECT HINESBURG=ST GEORGE NUMBER HMA 2519 SHEET 4 OF 11

PROJECT HINESBURG - ST GEORGE ROUTE VT 116 PROJECT NUMBER HMA 2519

TEMPORARY 4" REFLECTORIZED YELLOW LINE

MILE	MILE	LT	RT				
4.306	4.91	SOLID	SOLID				6901 ·
4.96	5.03	SOLID	DASH				463 ·
5.03	5.15	DASH	DASH				158 ·
5.15	5.30	DASH	SOLID				990 ·
5.30	6.67	SOLID	SOLID				14467 ·
6.67	6.80	SOLID	DASH				858 ·
6.80	6.90	DASH	DASH				132 ·
6.90	7.06	DASH	SOLID				1056 ·
7.06	7.04	SOLID	SOLID				519 ·
7.04	7.24	SOLID	DASH				990 ·
	TOWN LINE						
0.00	0.03	DASH	DASH				40 ·
0.03	0.12	DASH	SOLID				594 ·
0.12	0.324	SOLID	SOLID				2154 ·
							29127

ASSUME 50% & LOST ON SHIMMING

4" Yellow EST 29127 x 150% = 42 190 LF

ALTHOUGH NOT SHOWN ON THIS SHEET THE ℄ SHALL BE BROKEN AT ALL INTERSECTING TOWN HIGHWAYS AS SHOWN ON DETAIL SHEET

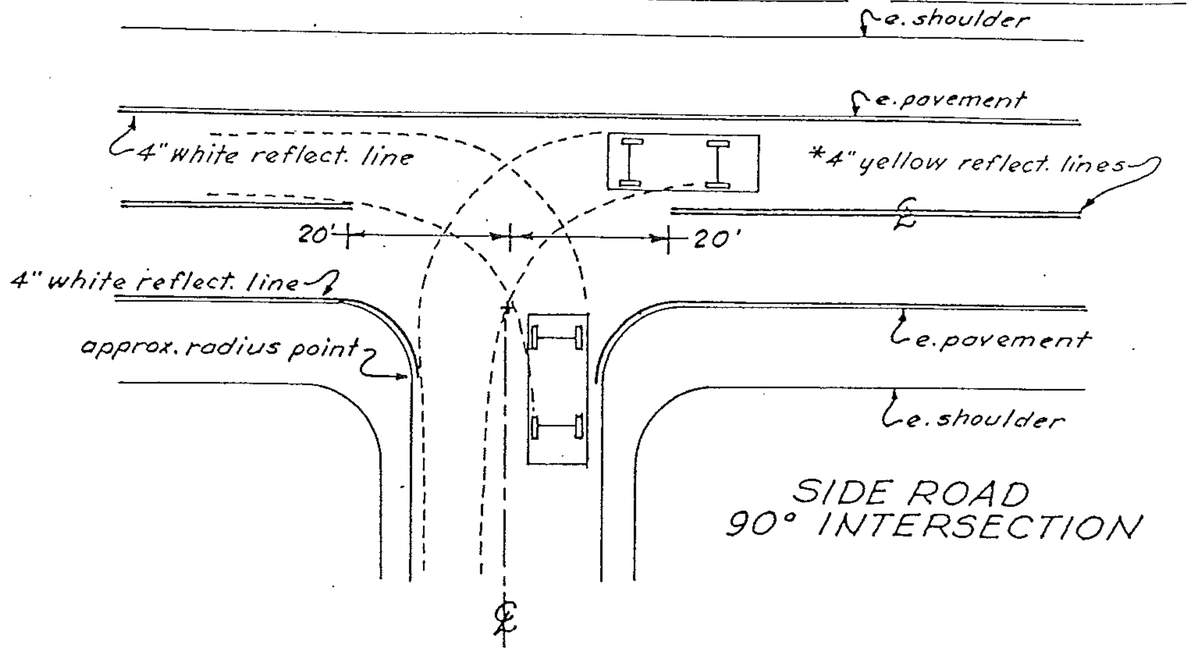
TEMPORARY 4" REFLECTORIZED WHITE LINE

4.306	7.24	SOLID	SOLID		30,983 ·
TOWN LINE					
0.00	0.324	SOLID	SOLID		3,421 ·
				4" WHITE EST =	34,404 ·

BY _____ DATE 3/4/83
CHKD. BY _____ DATE _____

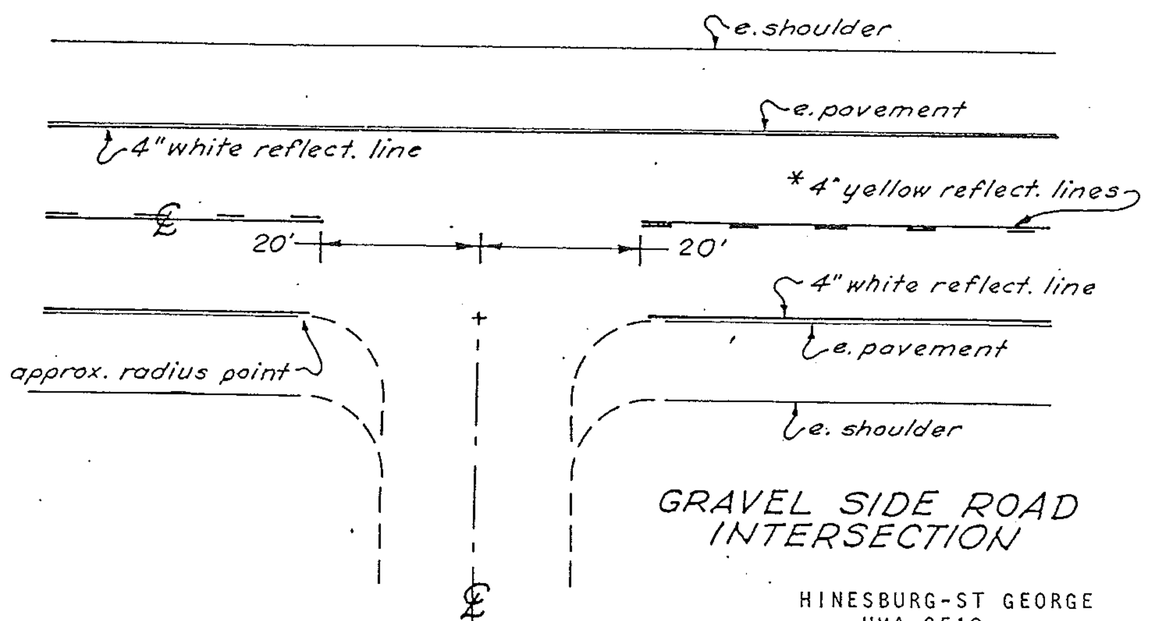
SUBJECT MAINLINE PAVEMENT MARKING AT INTERSECTING SIDE ROAD

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

GUIDELINES FOR MINIMUM INTERIM PAVEMENT MARKINGS IN CONSTRUCTION ZONES ON FEDERAL-AID PROJECTS

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.

SOLID LINE - (GORE AREAS TO INCLUDE CHANNELIZING LINE AND DASHED LINE)

PER STANDARD SHEET E-50.

EDGE LINES

WHERE 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.

B. TEMPORARY MARKINGS MAY CONSIST OF PAINT, TAPE OR RAISED PAVEMENT MARKERS (RPM'S). THE TAPE SHALL BE A RETRO-REFLECTIVE FILM ON A CONFORMABLE METALIC 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. THE RPM'S SHALL HAVE A SELF-ADHESIVE BACKING EASILY REMOVED BEFORE PAVING AND SHALL CONFORM TO THE FOLLOWING LAYOUT PATTERN: TEMPORARY TAPE MARKINGS WILL BE OFFSET AND REMOVED WHEN PROJECT IS FINISHED AND FINAL CENTERLINE PAINTED.

NO PASSING BARRIER

NO RPM'S ALLOWED.

DASHED LINE

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

C. 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.

D. 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).

E. PRIOR TO ACCEPTANCE, THE , PAVEMENT MARKINGS SHALL BE COMPLETED FOR THE ENTIRE PROJECT BY THE CONTRACTOR AS DETAILED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER

REVISED
12/22/83