

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Date JUL 15 1985

Carter's Trucking & Blacktoppaws
Contractor

Roland Cook
Signature

M. W. J. J. J.
Title



CONTRACT PLANS

THESE PLANS DO NOT REFLECT
CHANGES MADE ON THE PROJECT.

PROPOSED IMPROVEMENT

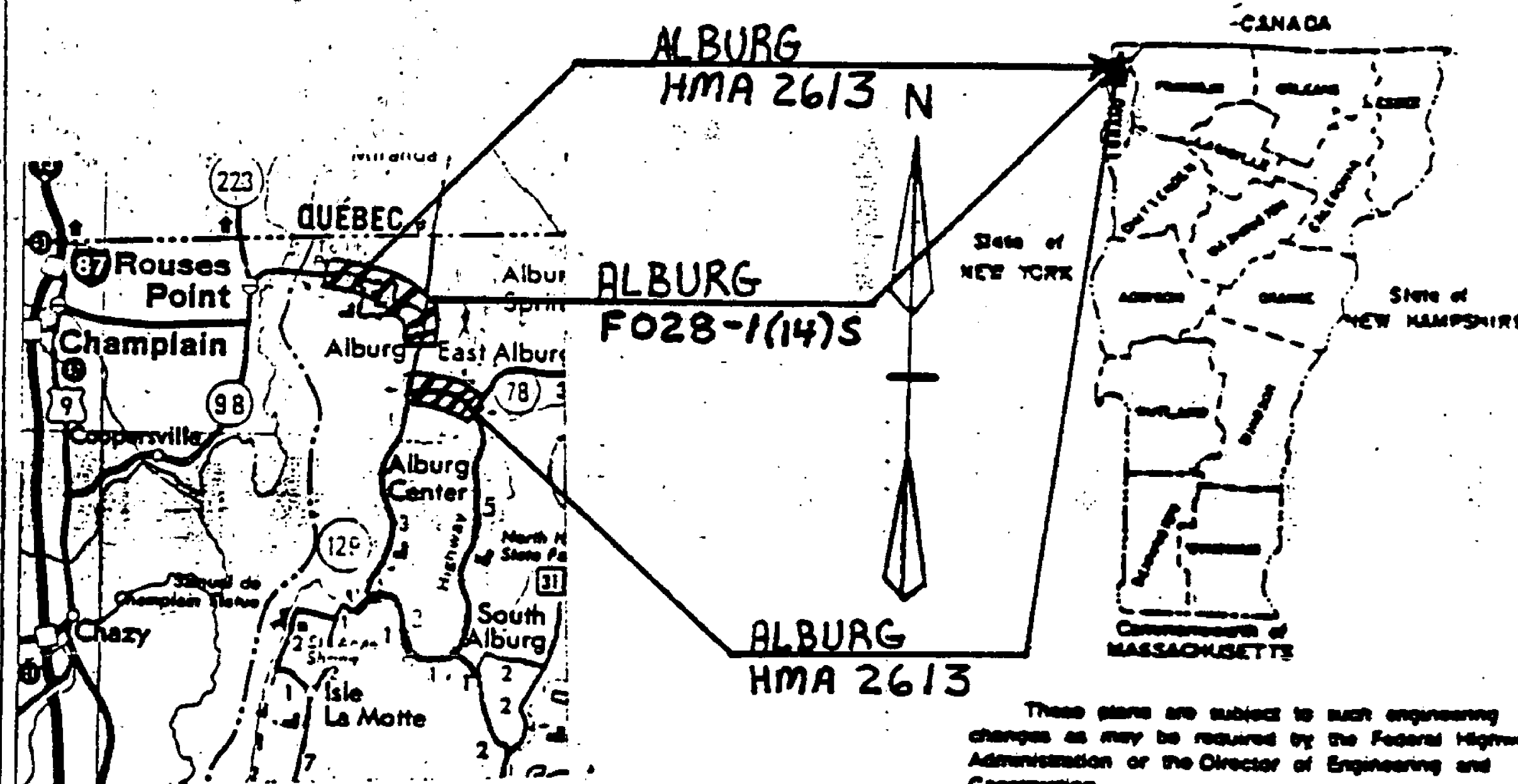
Acting Frank J. D'Amico RESURFACING PROJECT
Transportation Secretary's
Signature

TOWN OF: ALBURG

COUNTY OF: GRAND ISLE

ROUTE NO: US 2

ROUTE CLASS: FAP



5 0 5
1 INCH REPRESENTS 5 MILES

For Index see sheet 2

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, 1978, as approved by the Federal Highway Administration on October 27, 1978 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 J. D'Amico DATE MAR 19 1985
DIRECTOR OF ENGINEERING AND CONSTRUCTION
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT NO. F028-1(14)S & HMA 2613
SHEET 1 OF 18 SHEETS

Revised 5/17/85

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PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH		WIDTH		OVERLAY DEPTH		GRAVEL COURSE		GRAVEL SHOULDERS		EMULSIFIED SHOULDERS		BITUMINOUS ASPHALT		POWER BROM RENTAL		UNIFORMED TRAFFIC OFFICERS		
	FT.	FT.	IN	IN	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	EA.	HR.	HR.	HR.	70PS017L
							402.10	402.11	404.65	406.25	608.30	604.40	630.10	630.15	653.10				
ALBURG FO28-1(4)S						100	130	45	1187	5	1	55	55	15					
ALBURG HMA 2613						640	1120	105	3265	30	1	165	165	65					
TOTALS						740	1250	150	4452	35	2	220	220	80					

COMPOSITE PROJECT ALBURG

NO. FO28-1(4)S
HMA-2613

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM NO	UNIT	LOCATION	ITEM DESCRIPTION	LENGTH		WIDTH		MOBILIZATION		REL. PROPORTION		EXCAVATION		RENTAL TYPE		MARKING TYPE		MARKING PAYMENT (KELLOG)		
				FT.	FT.	LS	HR	LF	LF	HR	LF	LF	LF	HR	LF	LF	LF	LF	LF	LF
		ALBURG US2 FO28-1(14)S			635.10		.17	10	608.25	646.36	646.36	646.36	646.36	646.36	646.36	646.36	646.36	646.36	646.36	646.36
		ALBURG HMA 2613					.83	10		38950		38950		38950		38950		38950		38950
		TOTALS			1			20	51450	40800										

COMPOSITE PROJECT ALBURG

NO. FO28-1(14)S
HMA 2613

SHEET 3-A OF 18

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.

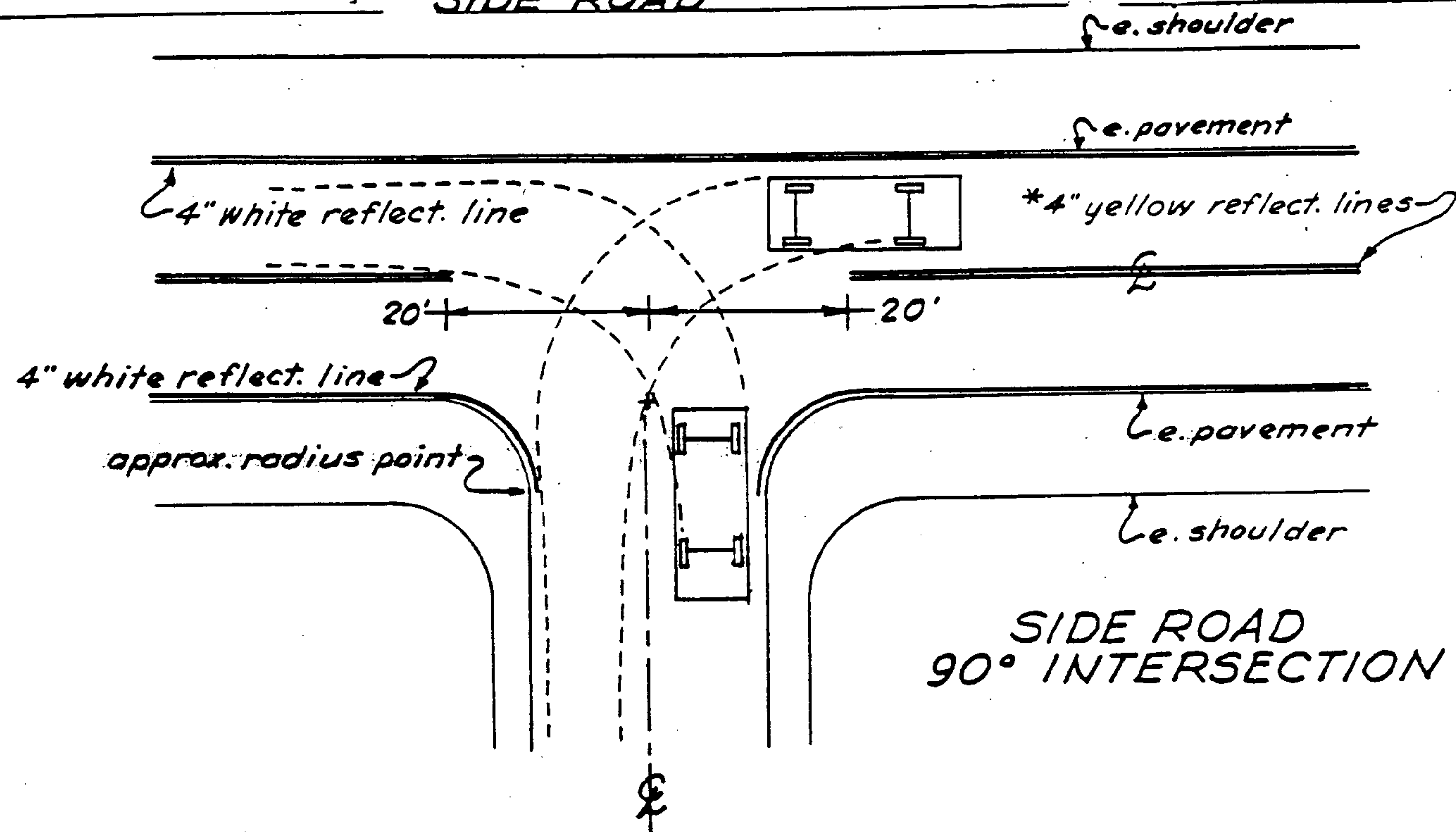
SOLID LINE - EDGE LINES
INTERSTATE MEDIAN SIDE-RETRO-REFLECTIVE RPM'S ON 4 TO 5 FOOT CENTER.
DRIVERS RIGHT SIDE-RPM'S NOT ALLOWED.

- 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.

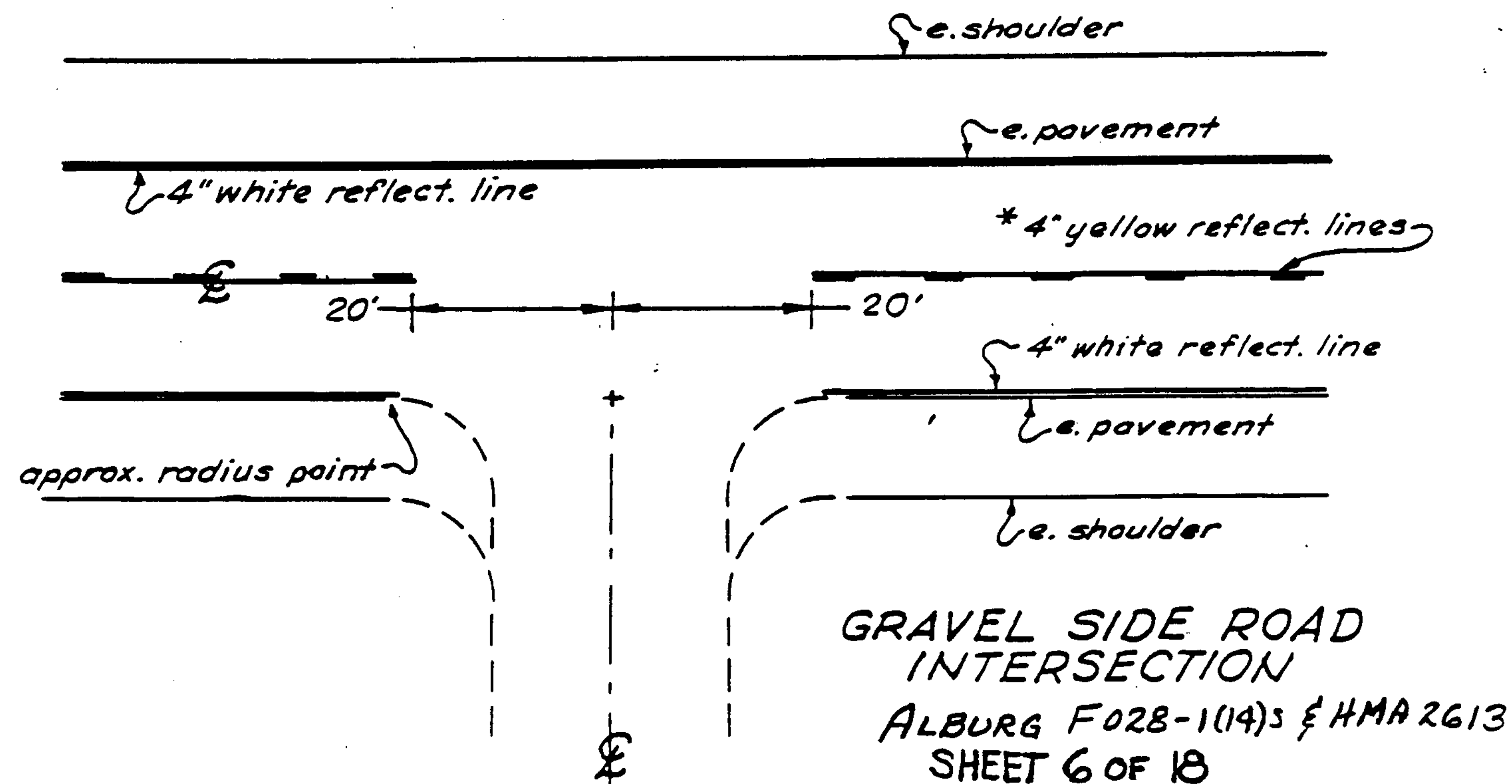
REVISED
02/11/85

Alburg F028-1(14) SF HMA 2613

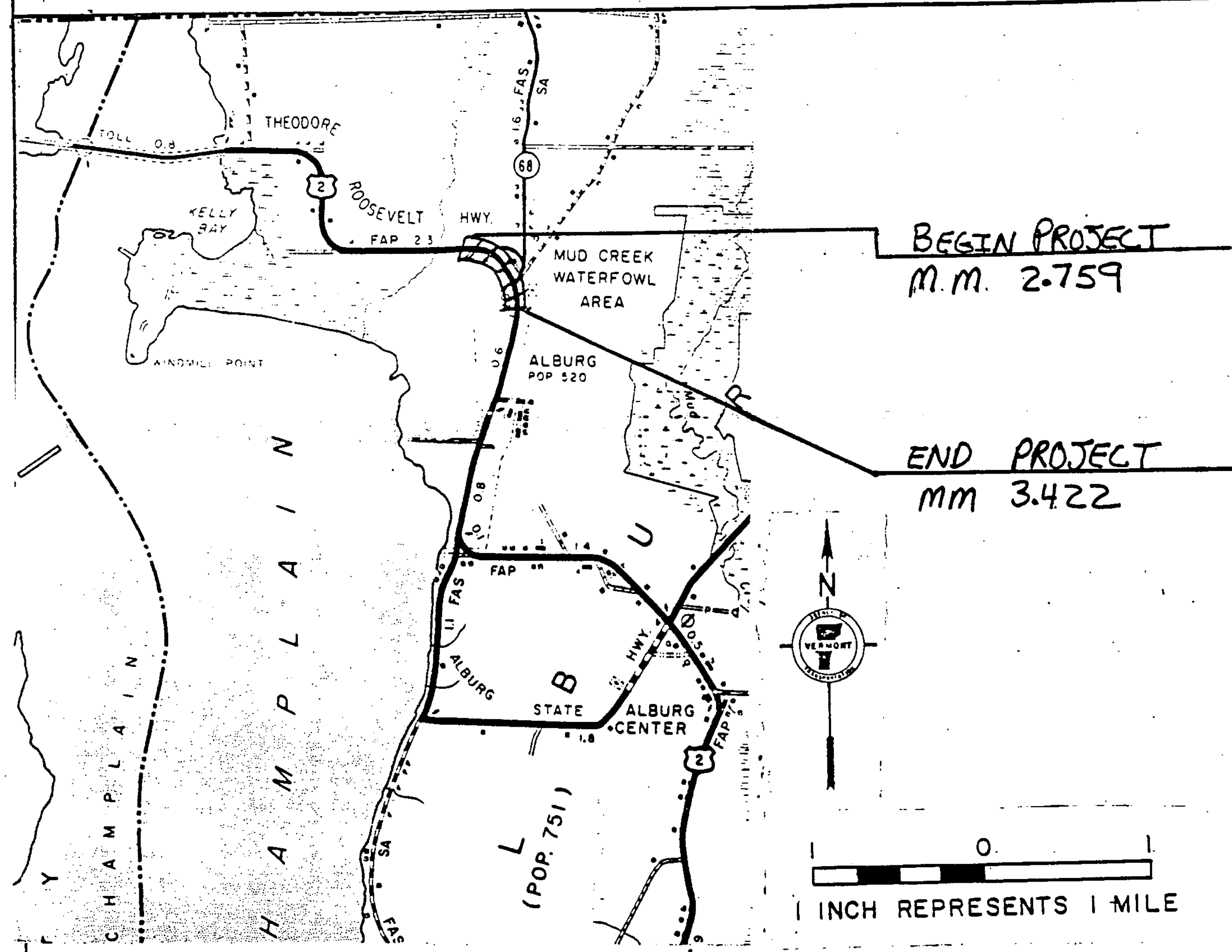
sheet 5 of 18



* 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.



PROJECT DESCRIPTION AND LOCATION



IN ALBURG, beginning at a point on US2 (mm 2.759)
 2.759 miles east of NEW YORK - VERMONT state line and
 extending 0.663 miles east to mm 3.422.

LENGTH OF PROJECT: 0.663 miles
 3501 Feet

TRAFFIC DATA
 1982 ADT = 2900
 V = 50 MPH

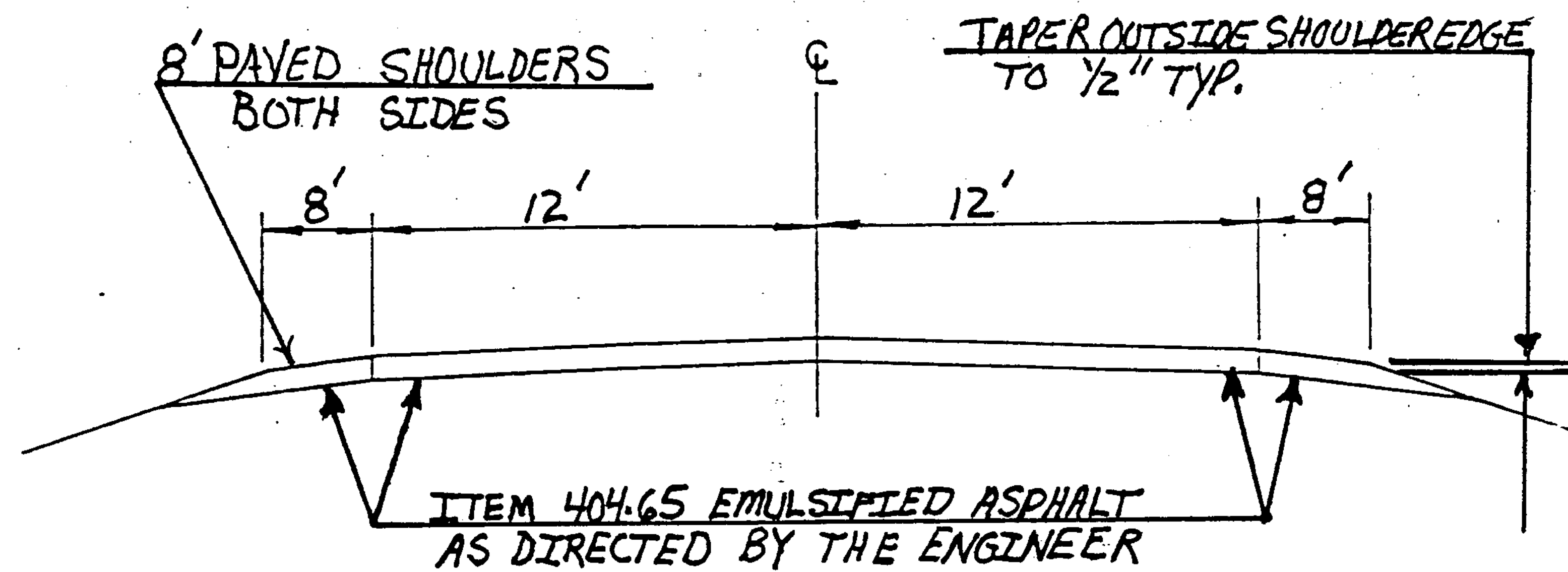
PROJECT ALBURG

NO. F028-1(14)S

SHEET 7 OF 18 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE, TYPE III OR IV (24' WIDE @ 327^{TONS}/mi.)
AS DIRECTED BY THE ENGINEER
1" WEARING COURSE, TYPE III



ALBURG mm 2.759 ~ mm 3.422

PROJECT ALBURG

NO. F028-1(14)S

SHEET 8 OF 18 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH		WIDTH		OVERLAY DEPTH		GRAVEL COURSE		GRAVEL SHOULDERS		EMULSIFIED SHOULDERS		BITUMINOUS ASPHALT		POWER BROOM RENTAL		UNIFORMED TRAFFIC OFFICERS	
	FT.	FT.	IN.	TONS/MIL	402.10	402.11	404.65	406.25	608.30	604.40	630.10	630.15	653.10	FLAGPERSONS	CHARGE ELEV. OF CB, DI OR MH			
MM 2.759 TO MM 2.422	3501	24	1	327			39	861	5	54	54	54						
								217										
PROJECT					100	127	4	100										
ROUNDING						3	2	9			1	1	2					
TOTAL					100	130	45	1187	5	1	55	55	15					

PROJECT ALBURG

NO. E028-1045

SHEET 9 OF 18

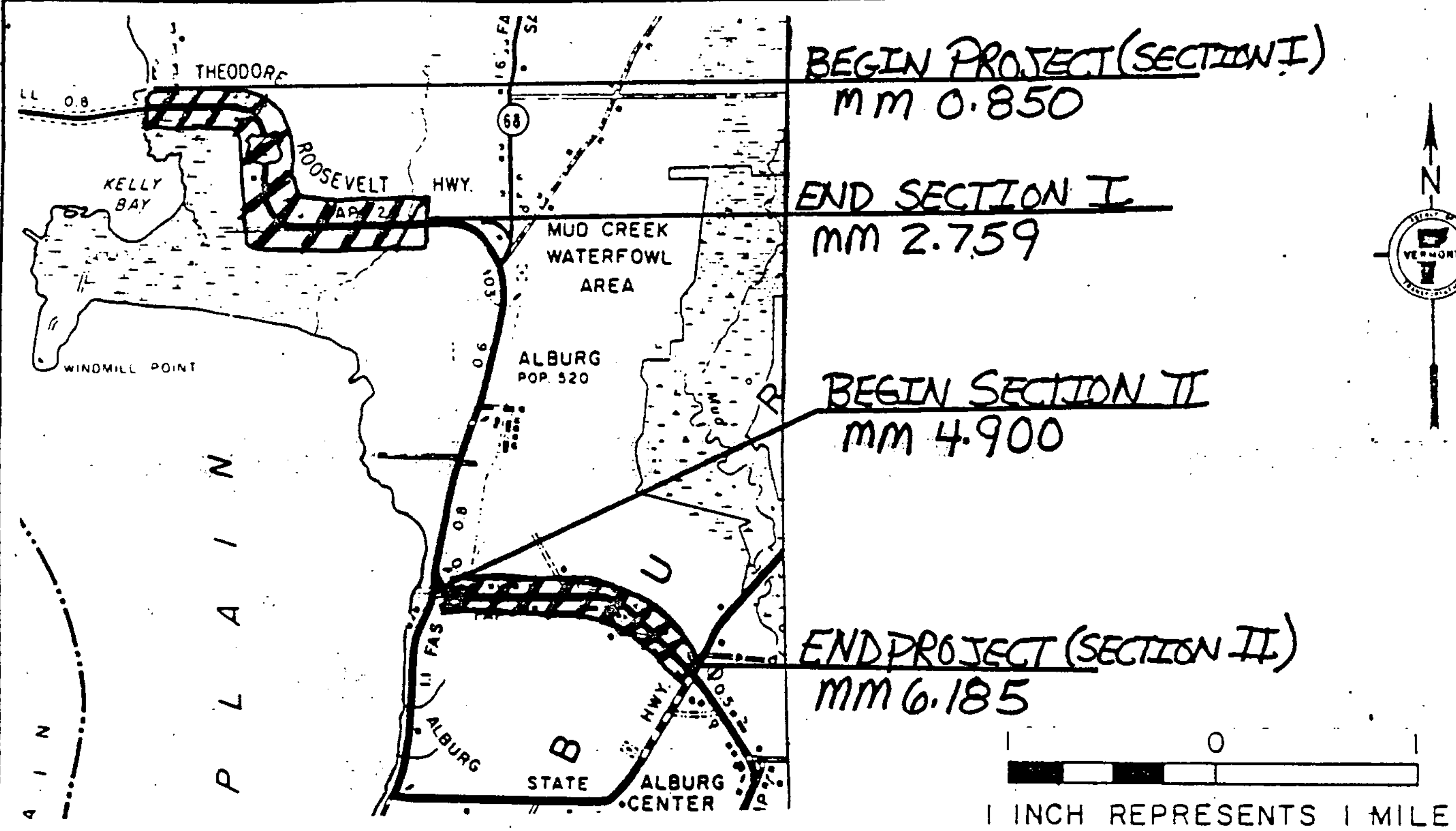
TEMPORARY 4" REFLECTORIZED YELLOW LINE

MILE	MILE	LT	RT	QUANTITY LT	QUANTITY	QUANTITY RT		
2.759	2.87	DASH	SOLID	146		586	732	
2.87	3.422	SOLID	SOLID	2914		2914	5828	
							6560	
					- 4TH. X 40 X 2 =		- 320	
							6240	
		ASSUME 100% IS LOST DURING SHIPPING						
		2 X 6240 = 12480						12480

TEMPORARY 4" REFLECTORIZED WHITE LINE

MILE	MILE	LT	RT				
2.759	3.422	SOLID	SOLID	3501		3501	7002

PROJECT DESCRIPTION AND LOCATION



IN ALBURG, beginning at a point on US 2 (SEC. I) (mm 0.850) 0.850 miles east of the Vt.-N.Y. state line and extending 1.909 miles to mm 2.759. SEC. II beginning at a point on US 2 (mm 4.900) at the easterly village line and extending easterly for 1.285 miles to the junction of Vt. 78 and US 2 (mm 6.185)

TRAFFIC DATA
1982 ADT = 2730
V = 50 MPH

LENGTH OF PROJECT: (SEC. I) 1.909 miles
10079 FEET
(SEC. II) 1.285 miles
6785 FEET

TOTAL 3.194 miles
16864 FEET

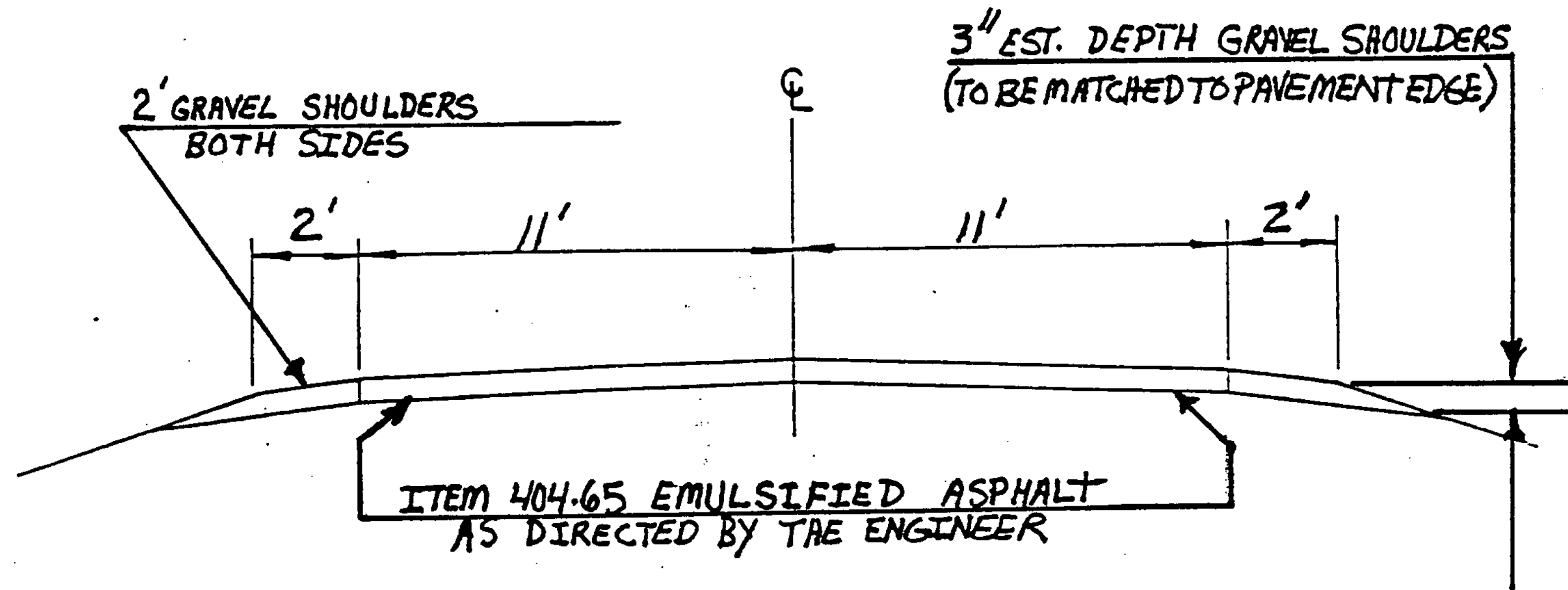
PROJECT ALBURG

NO. HMA 2613

SHEET 11 OF 18 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE, TYPE III OR IV (22' WIDE @ 300 TONS/mi.)
AS DIRECTED BY THE ENGINEER (22' WIDE @ 250 TONS/mi.)
1" WEARING COURSE, TYPE III



ALBURG m m. 0.850 ~ mm 2.759
mm 4.900 ~ mm 6.185

PROJECT ALBURG

NO. HMA 2613

SHEET 12 OF 18 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH		WIDTH		OVERLAY DEPTH		GRAVEL COURSE		GRAVEL SHOULDERS		EMULSIFIED SHOULDERS		BITUMINOUS ASPHALT		POWER BROOM RENTAL		UNIFORMED TRAFFIC OFFICERS		TOP SOIL
	FT.	FT.	IN.	TONS/MI	402.10	402.11	404.65	406.25	608.30	604.40	630.10	630.15	653.70	HR.	EA.	HR.	HR.	CY	
ALBORG US2 MM 4.850 ~ MM 2.759	16079	22	1	300	373	653	61	1363											
ALBORG US2 MM 4.900 ~ MM 6.185	6785	22	1	250	251	439	41	918											
PROJECT																			
RAVANDING					10	17	2	60	25	1	159	159	63						
TOTAL	16864				640	1120	105	3265	30	1	165	165	65						

PROJECT ALBORG

NO. HMA 2613

SHEET 13 OF 18

ITEM QUANTITIES

ITEM DESCRIPTION

ITEM NO	UNIT	LOCATION	FT.	LENGTH	WIDTH	MOBILIZATION		EXCAVATION		TEMPORARY RENTAL TRAIL		MARKING PREVENT (ITEM)		MARKING PREVENT (CULVERT)	
						LS	HR	LF	LF	LF	LF	LF	LF		
				635.10		60825		646.36		646.35					
ALBURG US2 MM4.8542759								21276		20160					
ALBURG US2 MM4.900~MM4.185								17644		13570					
ROUNDING								30		20					
TOTAL				0.83	10			38950		33750					

PROJECT ALBURG

NO. HMA 2613

SHEET 3A OF 18

TEMPORARY 4" REFLECTORIZED YELLOW LINE

MILE	MILE	LT	RT	QUANTITY LT.	QUANTITY RT.	TOTAL
0.85	0.92	SOLID	DASH	370	92	462
0.92	1.03	SOLID	SOLID	591	591	1182
1.03	1.10	SOLID	DASH	370	92	462
1.10	1.18	DASH	DASH		106	106
1.18	1.26	DASH	SOLID	106	422	528
1.26	1.42	SOLID	SOLID	1162	1162	2324
1.42	1.64	SOLID	DASH	945	211	1056
1.64	1.81	DASH	SOLID	274	228	502
1.81	1.99	SOLID	SOLID	950	950	1900
1.99	2.13	SOLID	DASH	739	185	924
2.13	2.76	DASH	DASH		832	832
						10378
						- 3 THAT 40 X 2
						240
						10638
		ASSUME 100% LOSS DUE TO SHIMMING				
						2 x 10638 = 21276
						21276

TEMPORARY 4" REFLECTORIZED WHITE LINE

MILE	MILE	LT	RT	QUANTITY	QUANTITY	TOTAL
0.85	2.769	SOLID	SOLID	10080	10080	20160

MILE	MILE	LT	RT	QUANTITY LT	QUANTITY RT	TOTAL
4.30	5.07	SOLID	SOLID	998	998	1996
5.07	5.19	SOLID	DASH	1034	158	1192
5.19	5.32	DASH	DASH		172	172
5.32	5.39	DASH	SOLID	92	370	462
5.39	5.62	SOLID	SOLID	1531	1531	3062
5.62	5.86	SOLID	DASH	95	238	333
5.86	6.02	SOLID	SOLID	845	845	1690
6.02	6.16	DASH	SOLID	135	739	874
6.16	6.19	SOLID	SOLID	152	152	304
						10402
						- 4 TH. AT 40' X 2 = 320
						10082
						ASSUME 75% LOST DURING SHIMMING
						1.75 X 10082 = 17644

TEMPORARY 4" REFLECTORIZED WHITE LINE

MILE	MILE	LT	RT	QUANTITY LT	QUANTITY RT	TOTAL
4.90	6.185	SOLID	SOLID	6785	6785	13570