

STATE OF VERMONT AGENCY OF TRANSPORTATION

Dated JUN 6 1984
Cooley Asphalt Paving
 Contractor
Walter A. Laprade
 Signature
President
 Title

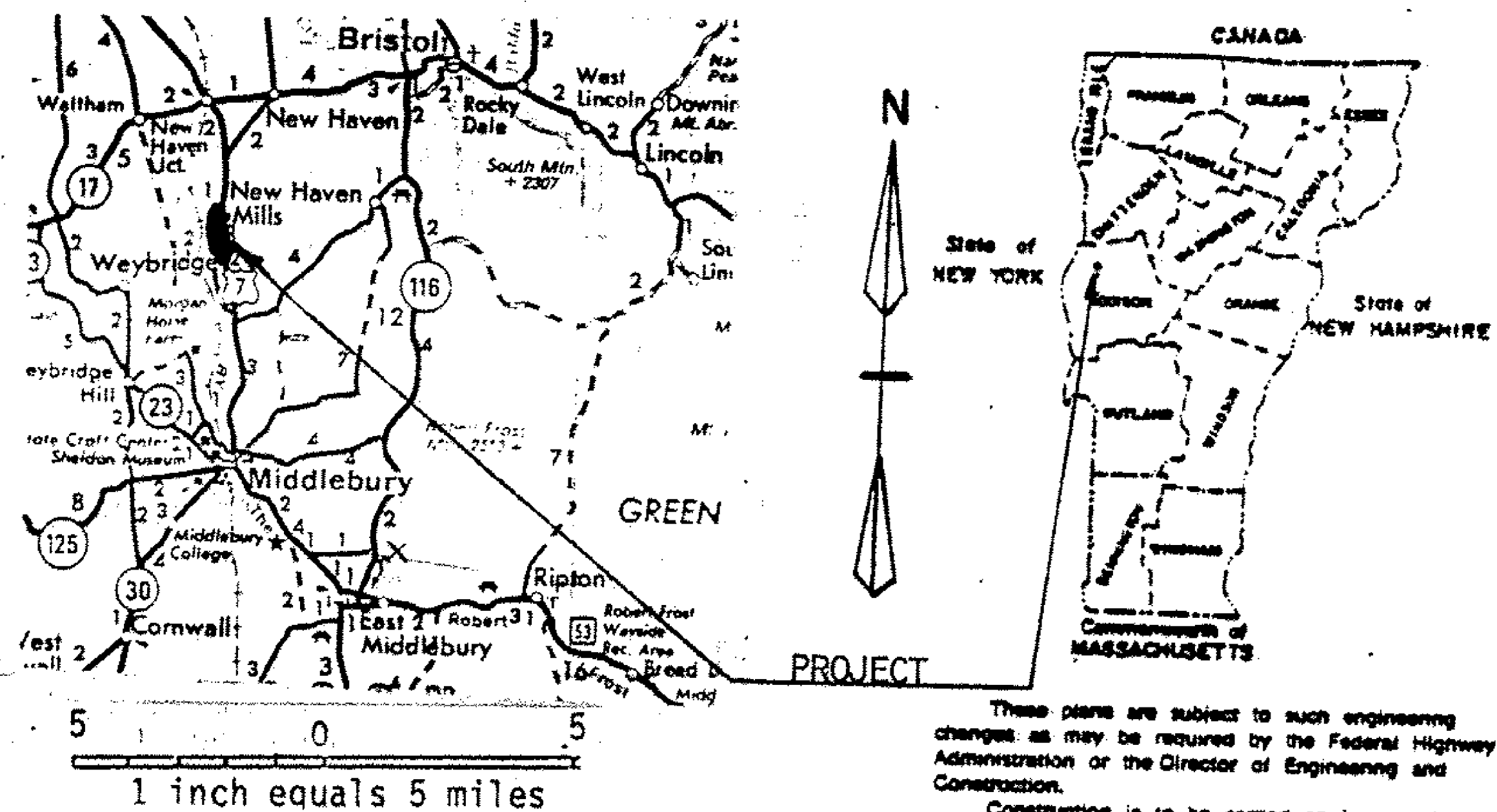


CONTRACT PLANS
 THESE PLANS DO NOT REFLECT
 CHANGES MADE ON THE PROJECT.

PROPOSED IMPROVEMENT

D. H. Remick
 RESURFACING PROJECT
 ACTING Transportation Secretary's Signature

TOWN OF: NEW HAVEN
 COUNTY OF: ADDISON
 ROUTE NO: US 7
 ROUTE CLASS: FAP



**PROJECT PROCESSED UNDER
SECONDARY ROAD PLAN**

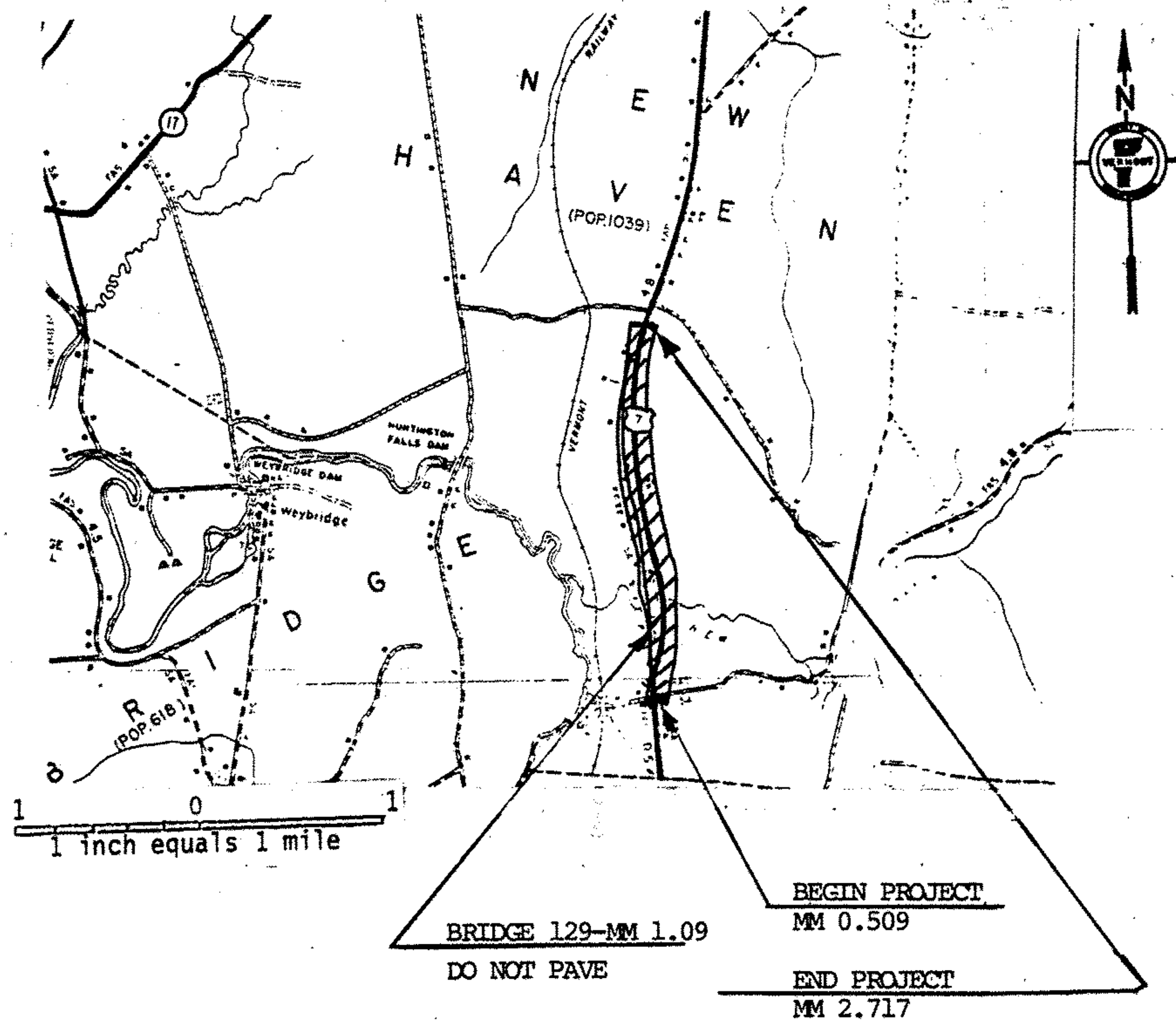
These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Director of Engineering and Construction.

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.

- INDEX OF SHEETS**
- 1. TITLE SHEET
 - 2. PROJECT DESCRIPTION AND LOCATION
 - 3-3A TYPICAL SECTIONS AND DESIGN DATA
 - 4-4B PROJECT LENGTHS AND ITEM QUANTITIES
 - 5. STANDARD SHEET E-4 (3-4-81 R)
 - 6. STANDARD SHEET E-6 (4-1-80 R)
 - 7. STANDARD SHEET E-8 (6-15-83 R)
 - 8-10: CENTERLINE DETAILS

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED <i>S. J. Gage P.E.</i>	DATE <u>APR 13 1984</u>
DIRECTOR OF ENGINEERING AND CONSTRUCTION	
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED _____	DATE _____
DIVISION ADMINISTRATOR	
PROJECT NO. <u>F 019-3(36)S</u>	
SHEET <u>1</u> OF <u>10</u> SHEETS	

PROJECT DESCRIPTION AND LOCATION

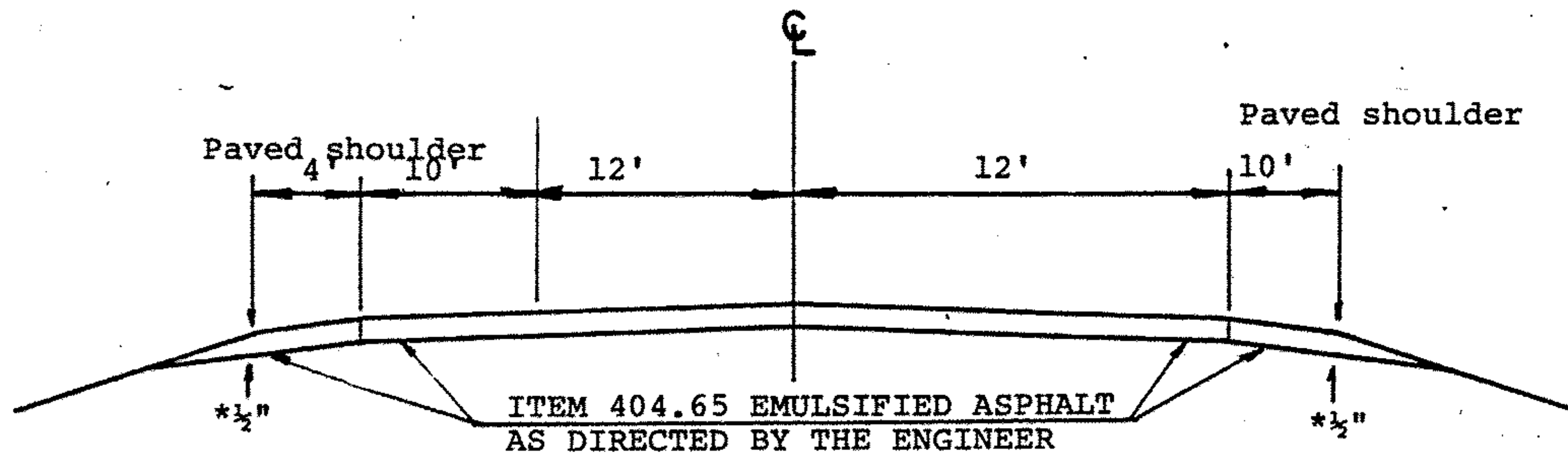


On US-7, Beginning 0.509 miles from the Middlebury-New Haven Town Line
at MM 0.509 and extending northerly 2.208 miles to MM 2.717

LENGTH OF PROJECT
2.208 Miles.
11,663 Feet

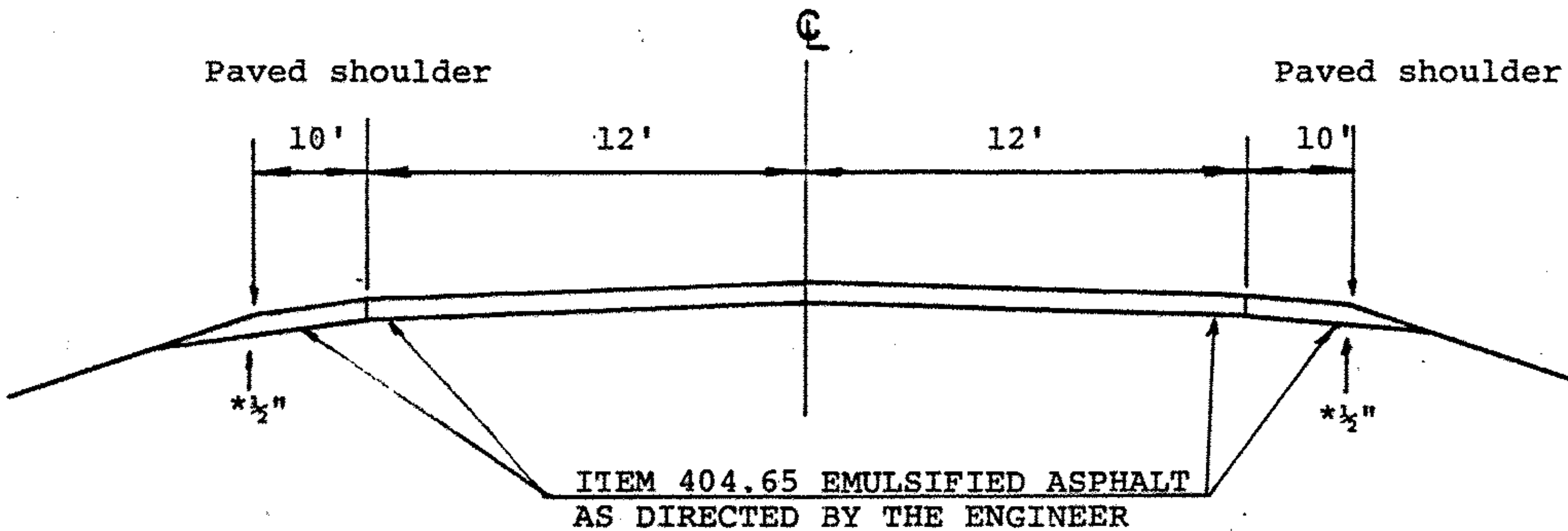
TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 Leveling course, Type III or IV (309 Tons/Mile)
 AS DIRECTED BY THE ENGINEER
 1½" Wearing course, (+¼") Type III



MM 0.509 - MM 0.800

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 Leveling course, Type III or IV (218 Tons/Mile)
 AS DIRECTED BY THE ENGINEER
 1½" Wearing course (+¼") Type III



MM 0.800 - MM 1.500
 MM 2.030 - MM 2.717

TRAFFIC DATA
 1982 ADT - 4890
 V = 50 MPH

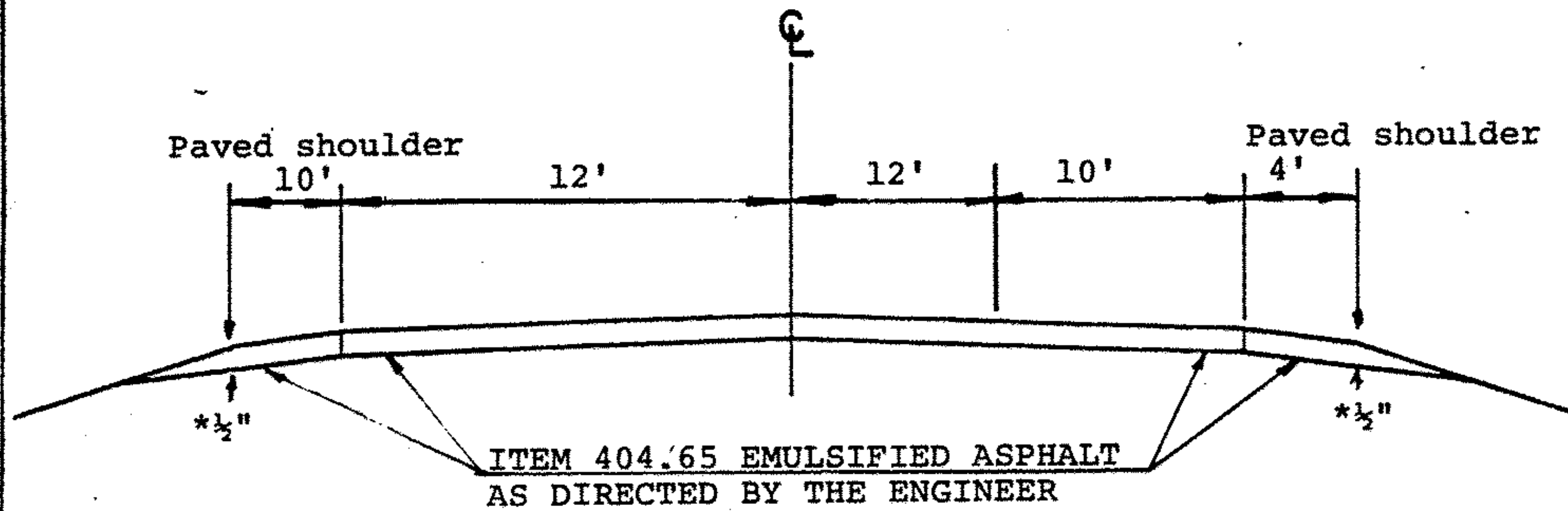
*Shoulder to be tapered from full depth to ¼"

PROJECT NEW HAVEN

NO. F 019-3(36)S
 SHEET 3 OF 10

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
Leveling course, type III or IV (218 Tons/Mile)
AS DIRECTED BY THE ENGINEER
1½" Wearing course (+½") Type III



MM 1.500 - MM 2.030

* Shoulders to be tapered from full depth to ½"

PROJECT NEW HAVEN

NO. F 019-3(36)S

SHEET 3A OF 10 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH	WIDTH	OVERLAY DEPTH	OPTION	ITEM NUMBER	REMARKS										
UNIT	FEET	FT	INCH	S.Y.	CY	TON	CY	TON	EA	HR	HR	HR	HR	LS	LF	
M 0.509 M 0.800	1536	34	1 1/2"				15	484								
							5	199								4' shoulder lt 10' shoulder rt Level 200 T/M factored 309 T/M
								90								
MM 1.500 MM 2.030	2800	34	1 1/2"				27	881								
							11	363								4' shoulder rt 10' shoulder lt 200 T/M Level factored 309 T/M
								164								
M 0.800 M 1.500	3697	24	1 1/2"				25	821								
							21	684								10' shoulder
								153								250 T/M Level Factored 218 T/M
MM 2.030 MM 2.717	3630	24	1 1/2"				24	806								
							20	672								10' shoulder 200 T/M Level factored 218 T/M
								150								
Sub total	11,663						148	5467								

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	ITEM NUMBER																REMARKS		
	LENGTH	WIDTH	OVERLAY DEPTH	GRAVEL SHOULDERS	GRAVEL SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS CONCRETE PAVEMENT	CHANGE ELEV. OF CB, DL, OR MI	ALL PURPOSE EXC. RENTAL, TYPE I	POWER BROOM RENTAL	ENFORCED TRAFFIC OFFICERS	FLACPERSONS	MOBILIZATION	TEMPORARY PAVEMENT	MARKING- White	TEMPORARY PAVEMENT		MARKING- Yellow	
UNIT	FEET	FT	INCH	S.Y.	CY	TON	CWT	TON	EA	HR	HR	HR	HR	LS	LF				
sub total							148	5467											
Project Est					100	165	4	150	1	10	18	141	141	1	24000	16163			
Rounding							8	33			2	9	9			37			
Total	11,663				100	165	160	5650	1	10	29	150	150	1	24000	16200			

TEMPORARY 4" REFLECTORIZED YELLOW LINE

MILE	MILE	LT	RT	
0.509	0.54	SOLID	SOLID	328
0.54	0.78	SOLID	SOLID	2534
0.78	0.81	SOLID	DASH	198
0.81	1.44	DASH	DASH	1228
1.44	1.80	DASH	SOLID	832
1.80	1.91	SOLID	SOLID	2375
1.91	2.09	SOLID	DASH	1188
2.09	2.40	DASH	DASH	409
2.40	2.49	DASH	SOLID	594
2.49	2.55	SOLID	SOLID	634
2.55	2.58	SOLID	DASH	198
2.58	2.69	DASH	DASH	145
2.69	2.717	DASH	SOLID	178
				10775

ASSUME 50% LOST ON LEVELING

$9069 \times 150\% = 13,604$
 Rounding: 96

4" YELLOW EST. 13,700

TEMPORARY 4" REFLECTORIZED WHITE LINE

0.62	0.75	DASH	(SB CLIMBLANE)	172
1.51	1.87	-	DASH (NB CLIMBLANE)	515

NOTE: ...
 EST. ... TO ... 0.65 LT
 & NB RT FROM MM 1.90 TO MM 1.84, TO
 BE PAID FOR AS ITEMS - 675.51,
 675.55 & 675.60

EDGE LINES - 2.20 RM x 5280 x 2 = 23,316

24003

Rounding: - 53
 4" WHITE EST 24,000

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.

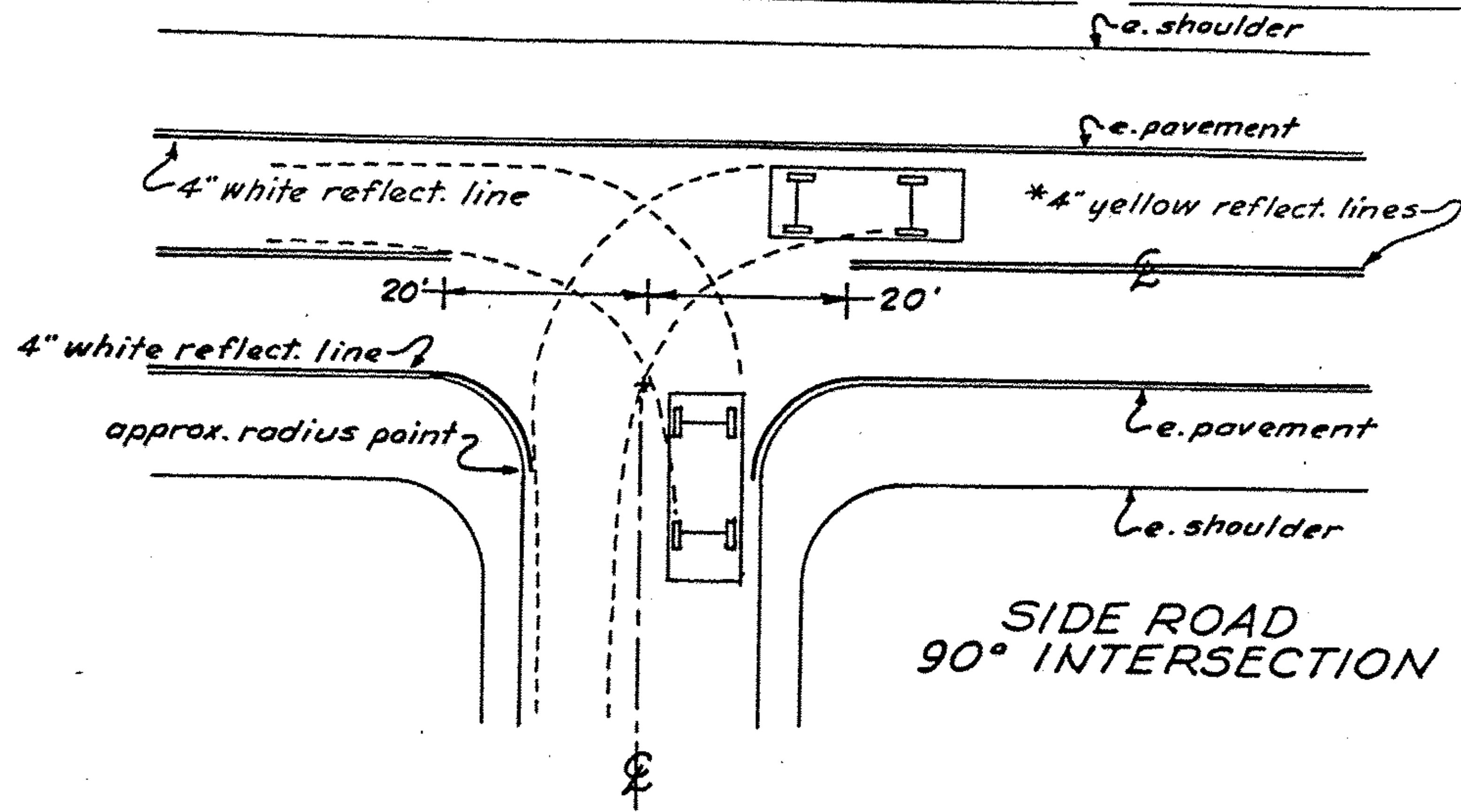
SOLID LINE - EDGE LINES

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



* 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.

