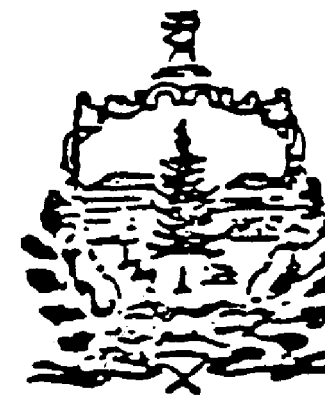


STATE OF VERMONT
AGENCY OF TRANSPORTATION

Dated MAY 22 1984

CONTRACT PLANS

THESE PLANS DO NOT REFLECT
CHANGES MADE ON THE PROJECT.



Cooley Corporation
Contractor

Ray Cooley
Signature

President

PROPOSED IMPROVEMENT

RESURFACING PROJECT

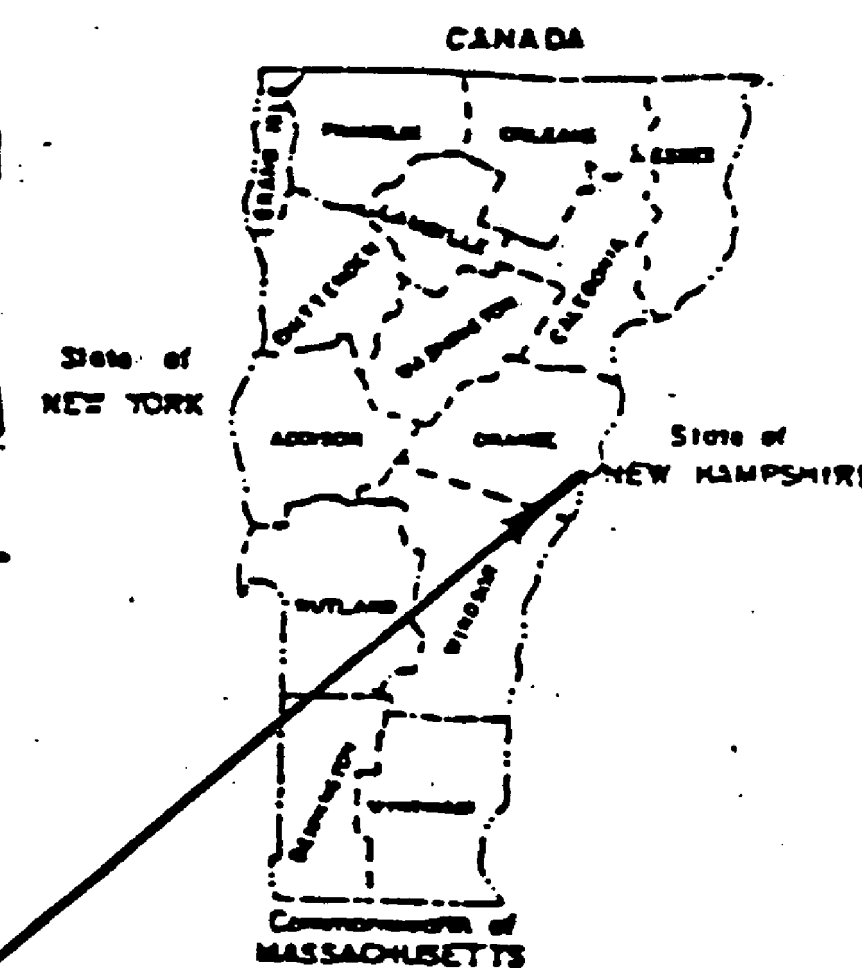
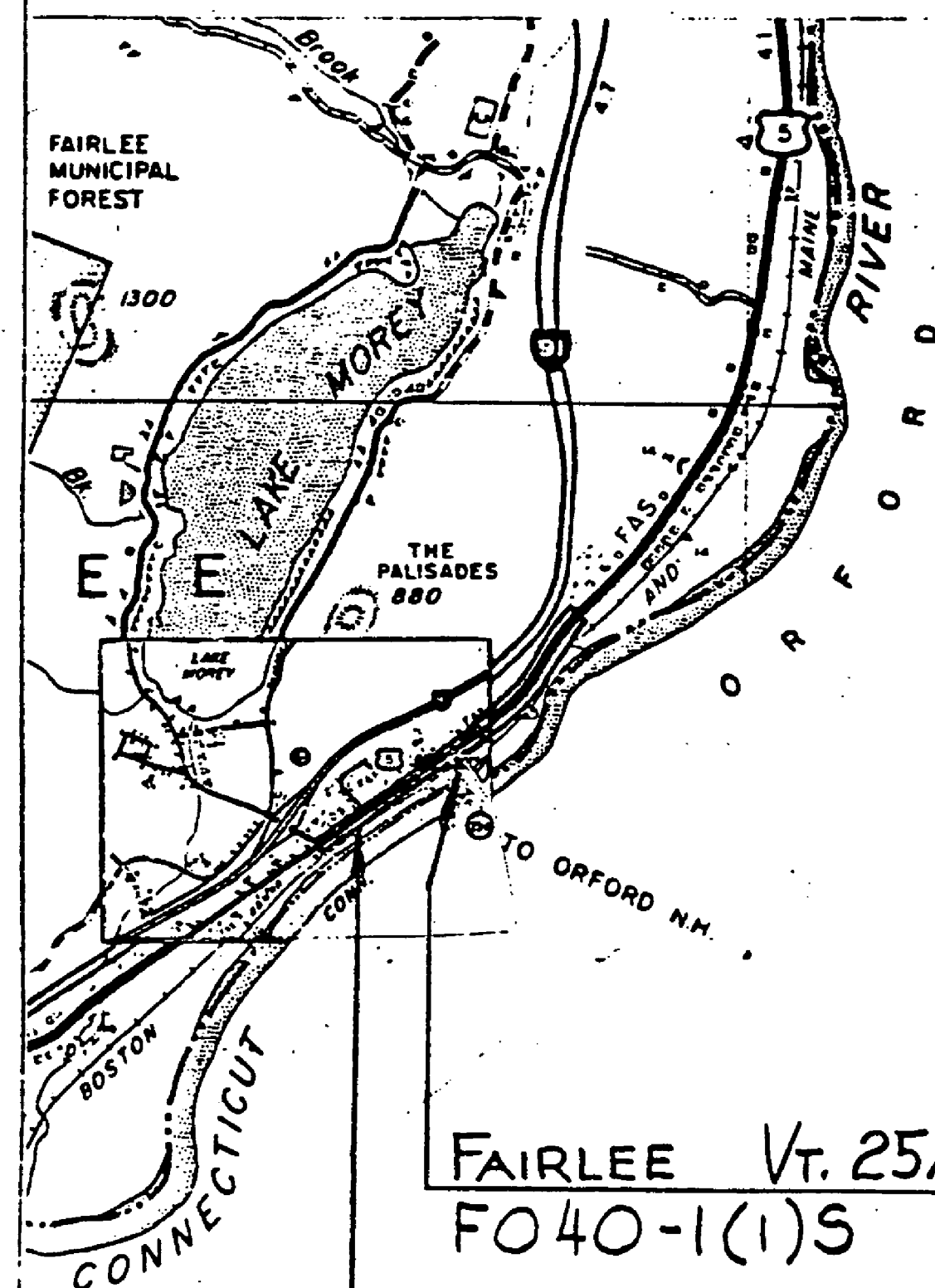
TOWN OF: FAIRLEE

Transportation Secretary's
Signature

COUNTY OF: ORANGE

ROUTE NO: Vt. 25A & U.S. 5

ROUTE CLASS: FAP, FAS



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 S. J. Cooley DATE 4-18-84
DIRECTOR OF ENGINEERING AND CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT NO. F040-1(1)S- HMA 2524

SHEET 1 OF 23 SHEETS

0 0.5 1 2

SCALE: 1"=1 Mi.

SEE SHEET 2 FOR INDEX

INDEX OF SHEETS

1. Title Sheet

2. Index of Sheets

3. ~~3A~~ Composite Quantity Sheet

FAIRLEE F 040-1(1)S

4. Project Description and Location

5. Typical Sections and Design Data

6. Pavement Markings

7. W10-3 Sign Detail

8-SA. Item Quantities

FAIRLEE HMA 2524

9. Project Description and Location

10. Typical Sections and Design Data

11. W11A-2 Sign and Crosswalk Detail

12-12A. Project Lengths and Item Quantities

13. Centerline Detail Sheet.

PROJECT

14. Guidelines for Minimum Interim Pavement Markings

15. Mainline Pavement Markings at Intersections

16. Standard Sheet E-4 (3-4-E1R)

17. Standard Sheet E-6 (4-1-80R)

18. Standard Sheet E-8 (6-15-83R)

19. Standard Sheet E-20 (5-18-78R)

20. Standard Sheet E-24A (1-8-81R)

21. Standard Sheet E-29 (8-25-81R)

22. Standard Sheet E-45 (7-28-80R)

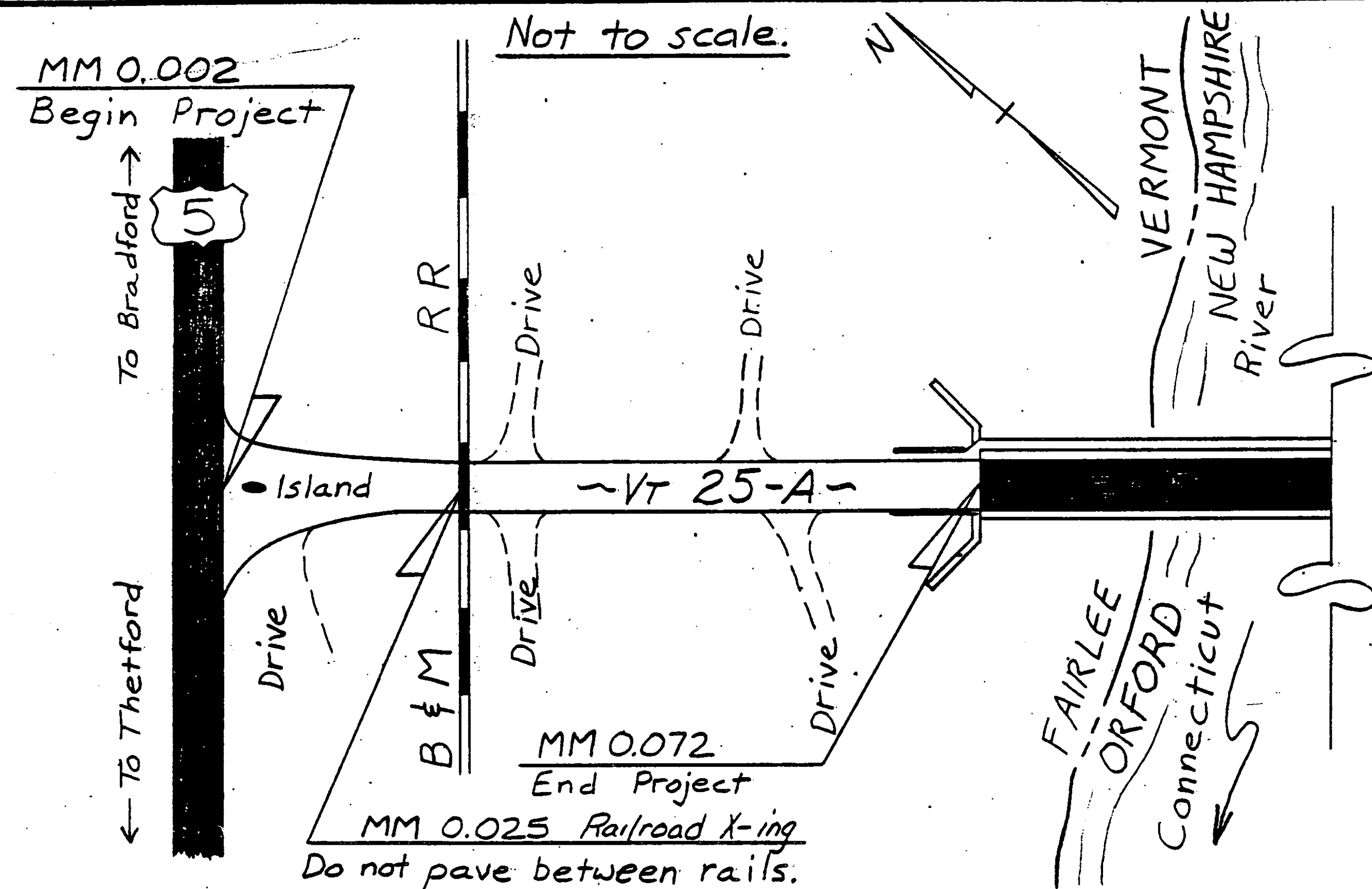
23. Standard Sheet E-50 (3-16-82R)

NO. F040-1(1)S
HMA 2524

SHEET 2 OF 23 SHEETS

PROJECT FAIRLEE

PROJECT DESCRIPTION AND LOCATION



PROJECT LOCATION: Beginning in the Town of Fairlee at MM 0.002, the intersection of U.S. Rte 5 with Vt 25-A, and extending easterly 0.070 miles to MM 0.072 at the western end of the bridge over the Connecticut River.

PROJECT LENGTH: 0.070 miles (368 ft.)

PROJECT DESCRIPTION: Resurface with a leveling course and $\frac{3}{4}$ " bituminous concrete overlay.

TRAFFIC DATA: 1984 AADT = 2910
V = 35 MPH

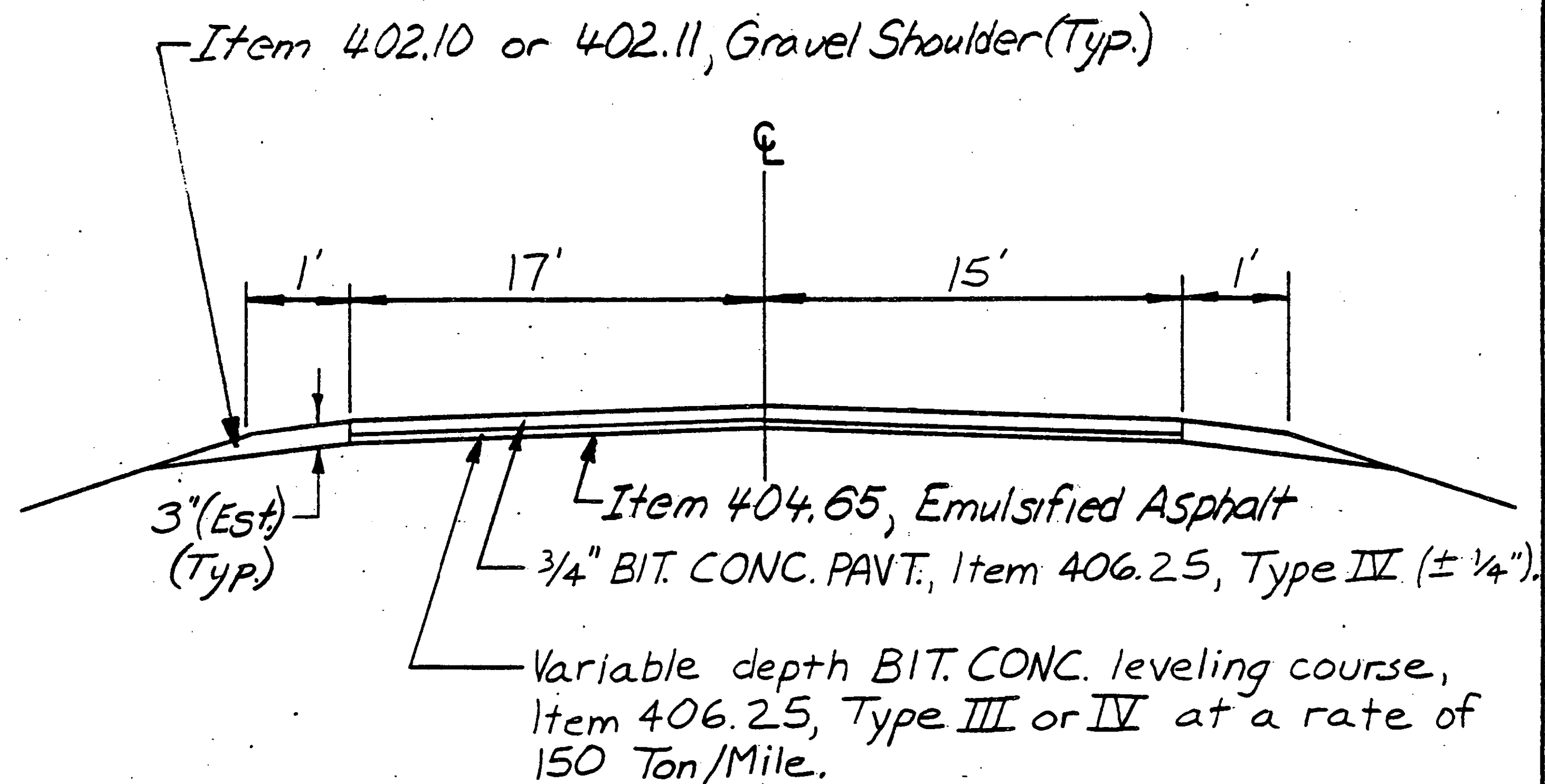
PROJECT FAIRLEE

NO. F 040-1(1)S

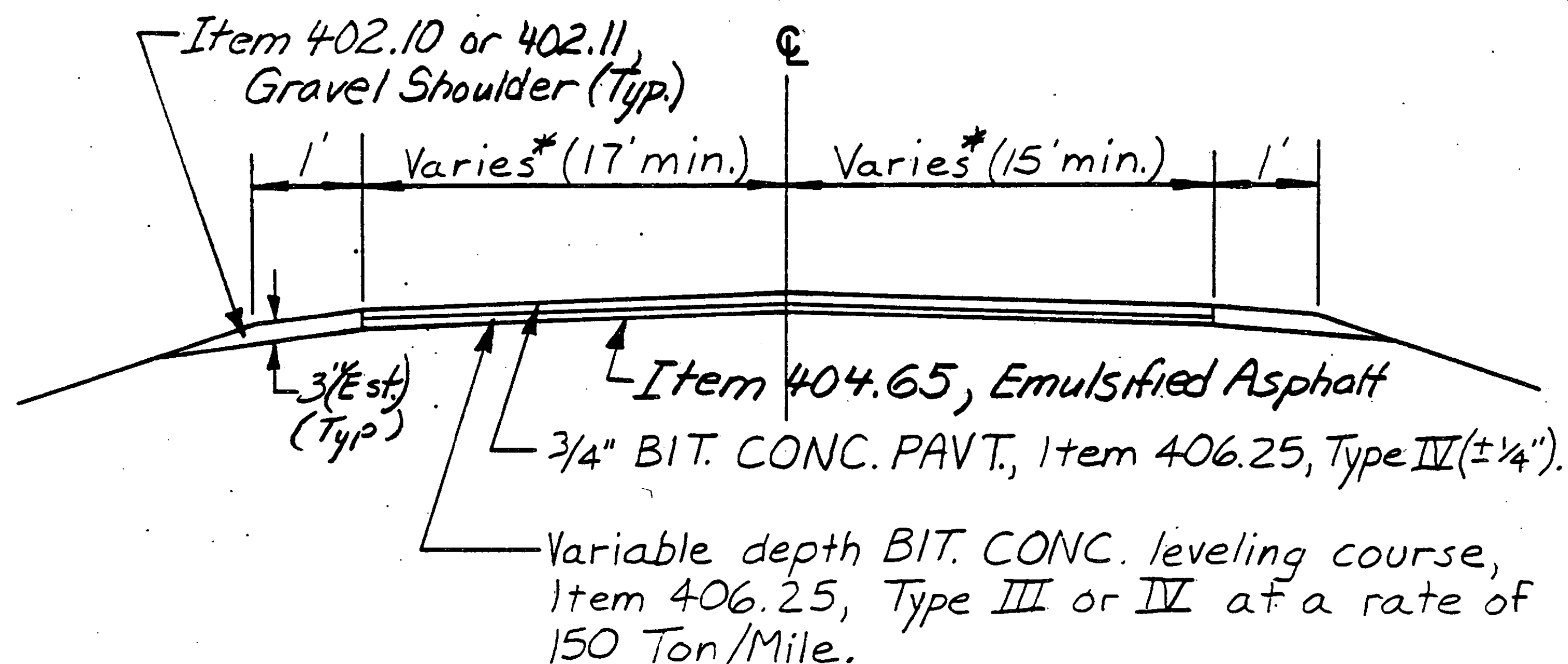
SHEET 4 OF 23 SHEETS

TYPICAL SECTIONS & DESIGN DATA

Not to scale.



TYPICAL SECTION MM 0.025 to MM 0.072



* All currently paved areas to be overlaid.

TYPICAL SECTION MM 0.002 to MM 0.025

PROJECT FAIRLEE

NO. F 040-1(1)S
SHEET 5 OF 23

Fairlee F040-1(1)S

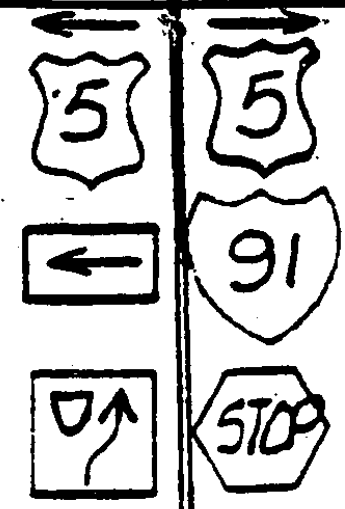
Vt. Rte. 25-A

US-5 North

W 10-3* (New)

To be placed
min. of 100' North
on Lt. side of
U.S. 5

NORTH



W 10-3*
(New) dr.
To be placed a
min. of 100' south
on Rt. side of US-5

Advan. Warn. Sign
Less than Min. (Existing)

Signal, 3-Lights & X-Bucks
(Existing)

(Existing)
Stop Bar
STOP

Speed Limit 35 MPH
(Existing)

Stop Bar

15'
15' ±

Stop Bar
Signal, 1-Light, X-Bucks
(Existing)

dr.

dr.

Not to Scale

* Applied under
this contract.

dr.

Advan. Warn. Sign
Min. 100'
from rail (Existing)

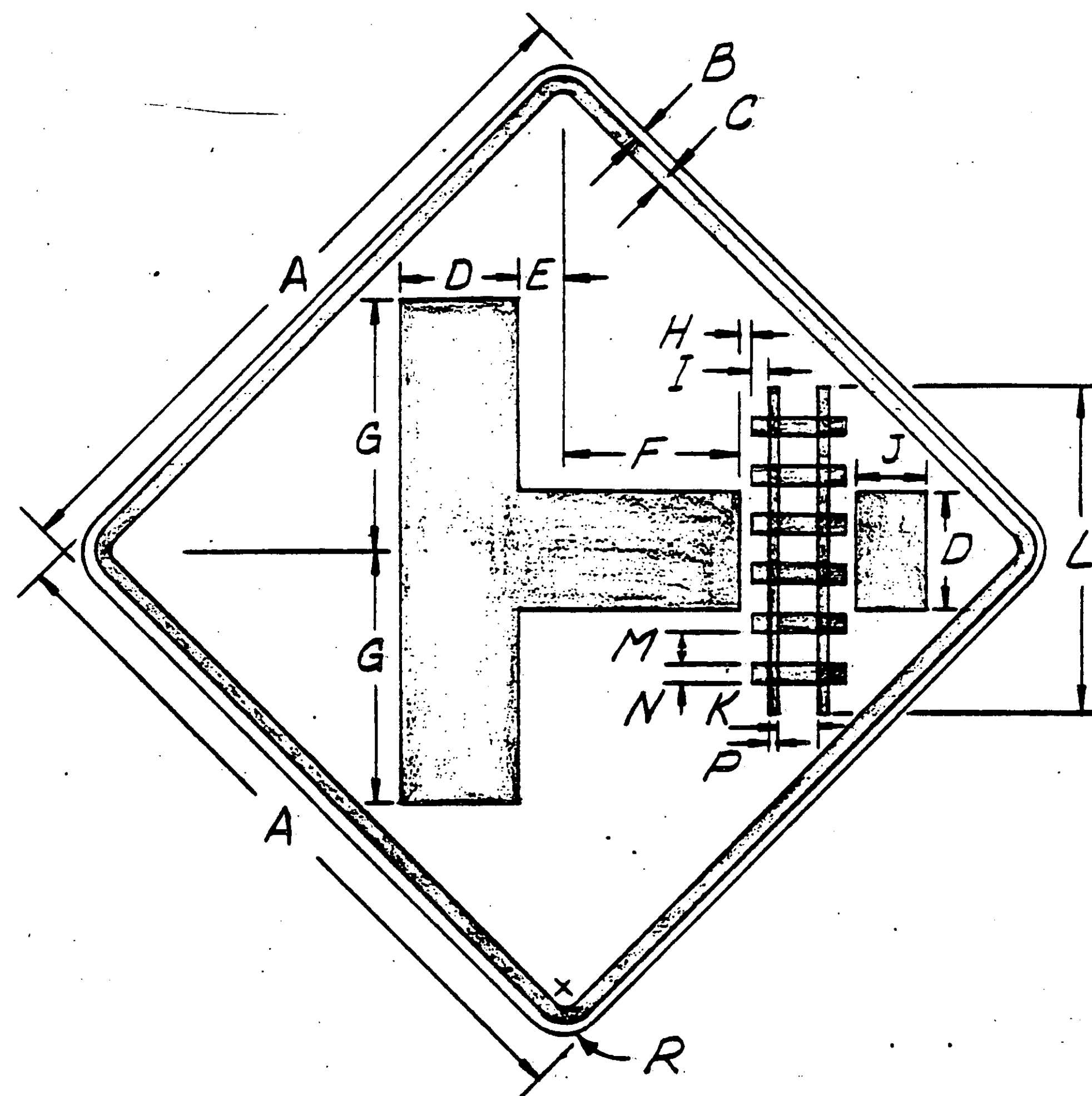
dr.

0.072 mi.

FAIRLEE
F040-1(1)S

Sht. 6 of 23

Bridge



W10-3

Dimensions (inches)															
A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	R
36	5/8	7/8	6	2 1/4	9	12 3/4	1/2	1	3 1/2	2	16 1/2	1 1/2	1	1/2	2 1/4

COLORS

Legend — Black (non-reflect.)
Background — Yellow (reflective)

PROJECT: FAIRLEE
FO40-1(1)S

Sht. 7 of 23

ITEM QUANTITIES

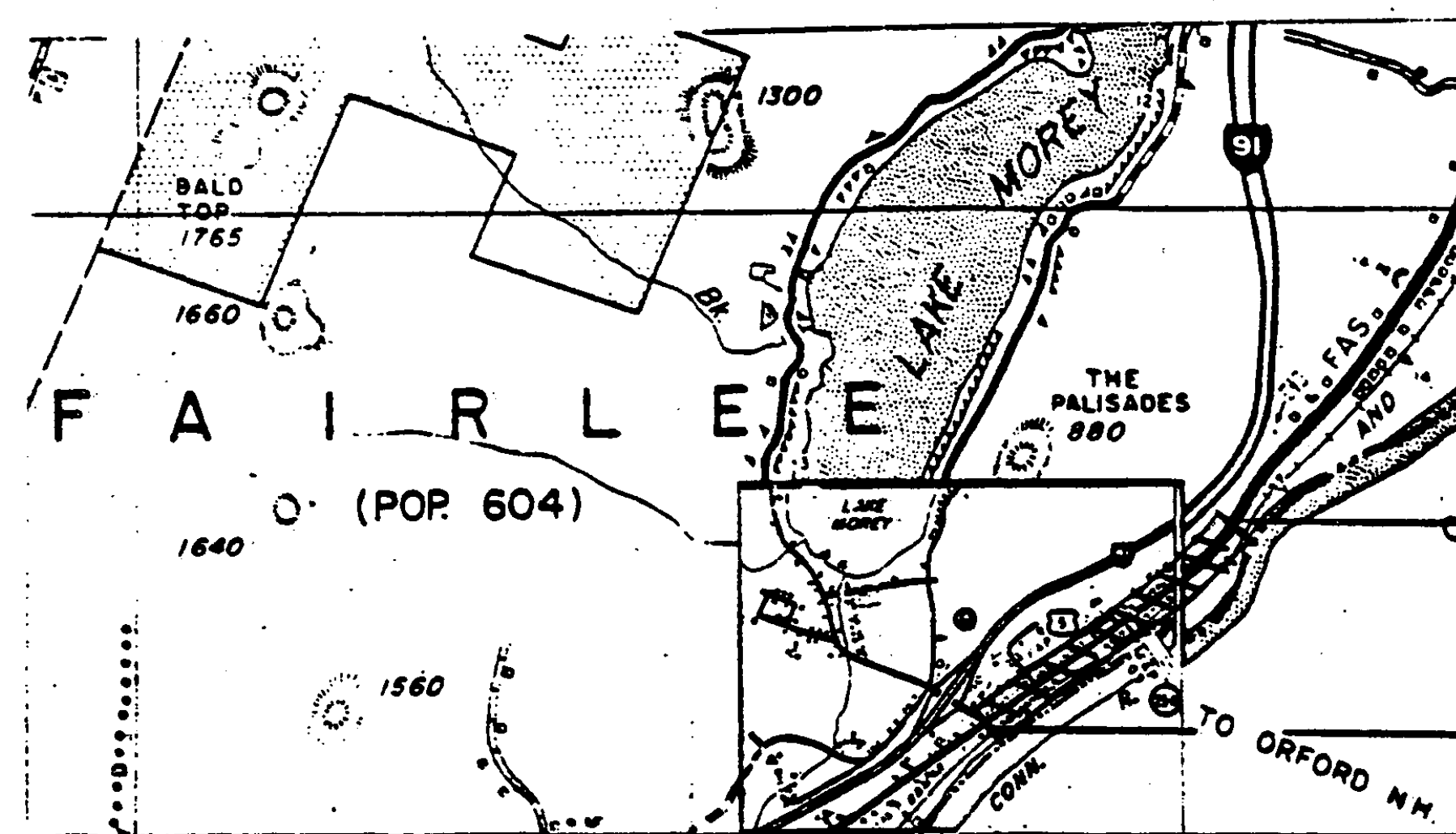
[illegible]

PROJECT FAIRLEE NUMBER F040-1(1)S SHEET 8 OF 23

[illegible][illegible]

PROJECT FAIRLEE NUMBER F040-1(1)S SHEET 8A OF 23

PROJECT DESCRIPTION AND LOCATION



END PROJECT
MM 3.860

BEGIN PROJECT
MM 2.709

1977

BEGINNING ON U.S. RTE. 5 IN THE TOWN OF FAIRLEE,
2.709 MILES NORTH OF THE THETFORD-FAIRLEE TOWN
LINE, THENCE CONTINUING NORTH ON U.S. RTE. 5,
1.151 MILES, TO MM 3.860.

LENGTH OF PROJECT: 6076 FT.
1.151 mi.

TRAFFIC DATA

1982 ADT = 2530

V = 35 MPH

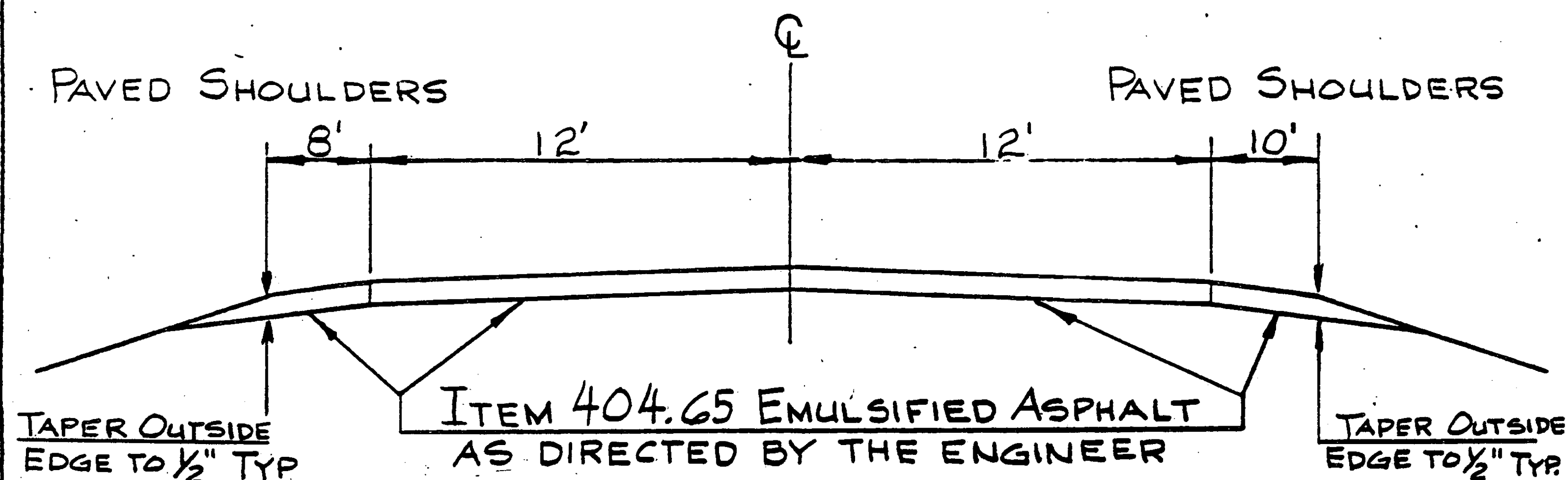
PROJECT FAIRLEE

NO. HMA 2524

SHEET 2 OF 23 SHEETS

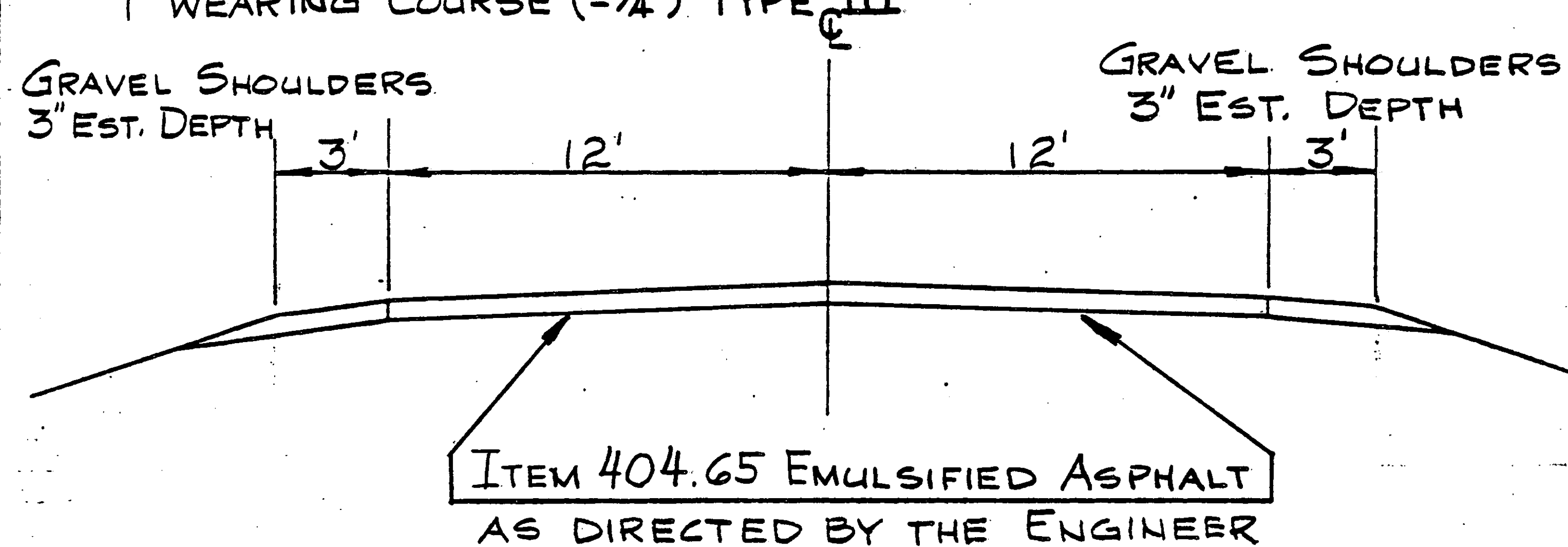
TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE, TYPE III OR IV (24' WIDE @ 164 TON/Mi.)
 AS DIRECTED BY THE ENGINEER
 1" WEARING COURSE ($\pm \frac{1}{4}$ ") TYPE III



FAIRLEE MM 2.709 ~ MM 3.35

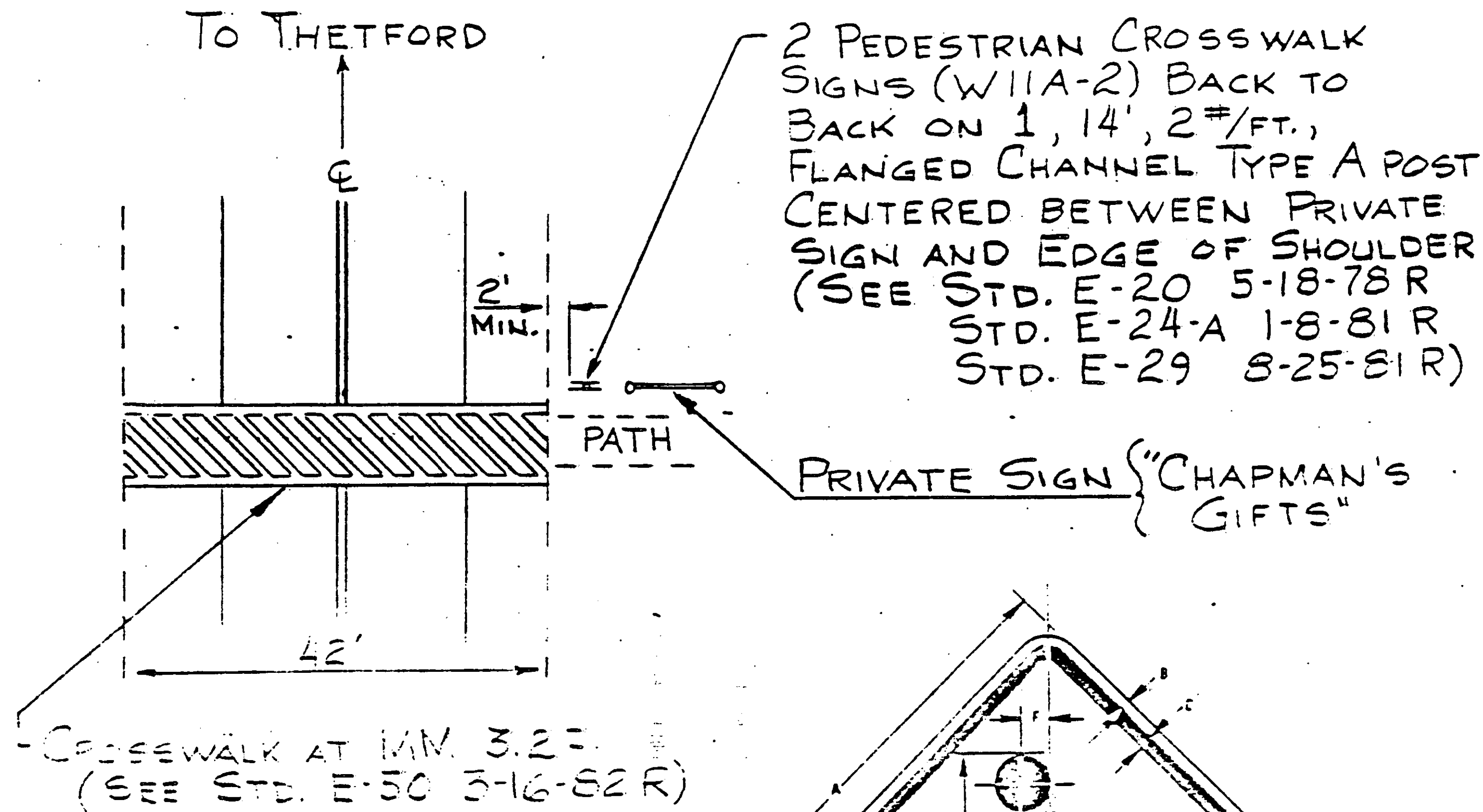
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE, TYPE III OR IV (24' WIDE @ 164 TON/Mi.)
 AS DIRECTED BY THE ENGINEER
 1" WEARING COURSE ($\pm \frac{1}{4}$ ") TYPE III



FAIRLEE MM 3.35 ~ 3.860

DETAILS

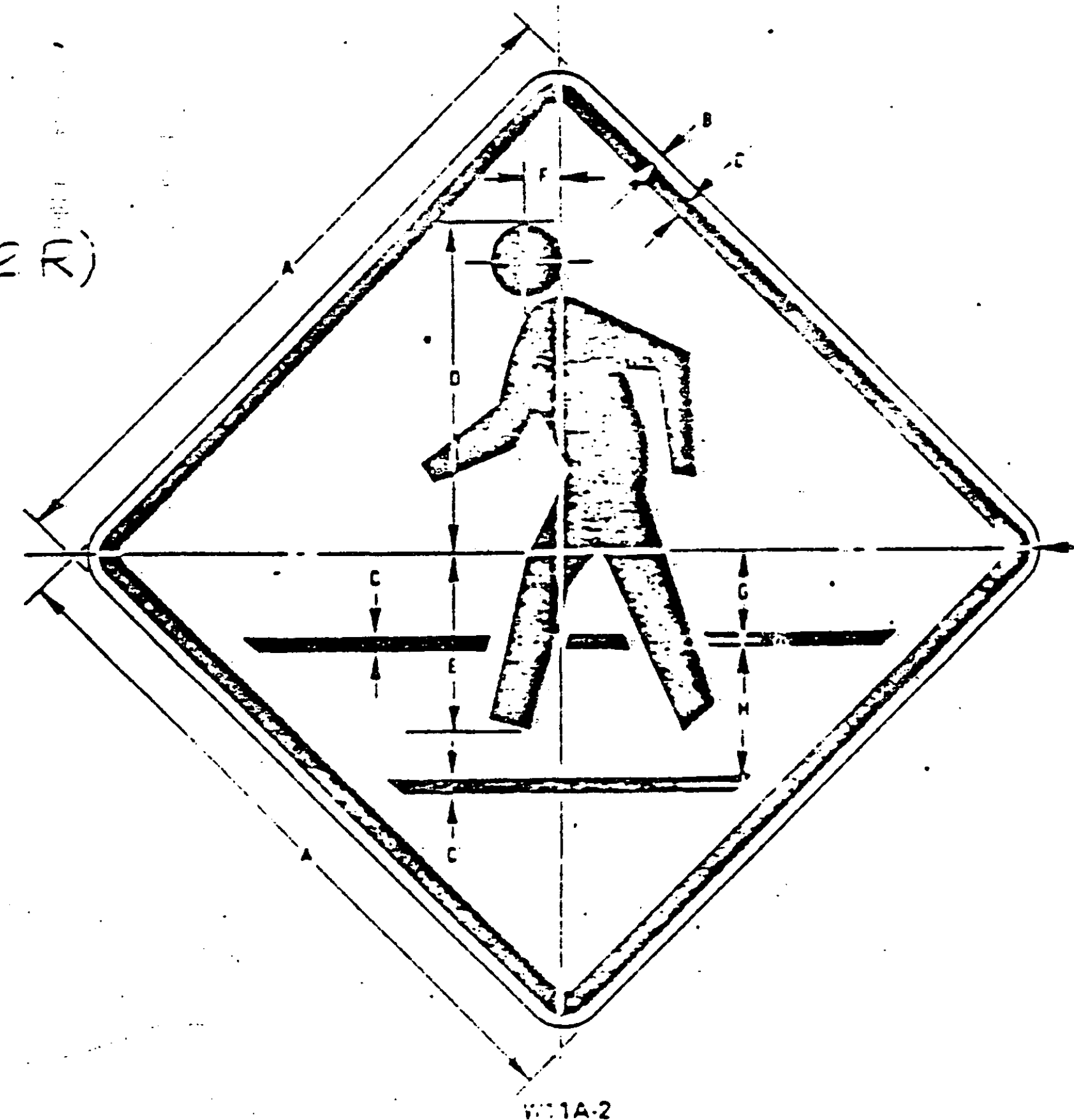
ITEM 646.63 DURABLE CROSSWALK MARKING w/ DIAGONAL LINES
 ITEM 675.20 TRAFFIC SIGNS, TYPE A
 ITEM 675.35 TRAFFIC SIGN POSTS, TYPE A



SIGN	DIMENSIONS (INCHES)								
	A	B	C	D	E	F	G	H	J
STD.	30	1/2	3/4	14	8	1-1/2	4	6	1-7/8

COLORS
 - BLACK (NON-REFL)
 BACKGROUND - YELLOW (REFL)

DIMENSIONS AND DETAIL
 FOR W11A-2 SIGN



PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION														
OPTION														
LENGTH														
WIDTH														
OVERLAY DEPTH														
GRAVEL SHOULDERS														
POT-HOLE FILL														
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PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION										
ITEM NO	UNIT	LOCATION	MM 3.2	LENGTH		WIDTH		DURABLE CROSSWALK MARKING W/ DIAGONAL LINES		TRAFFIC SIGNS, TYPE A
				FT	LF	646.63	SF	675.20	LB.	675.35

PMP

SHEET 13 OF 23

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

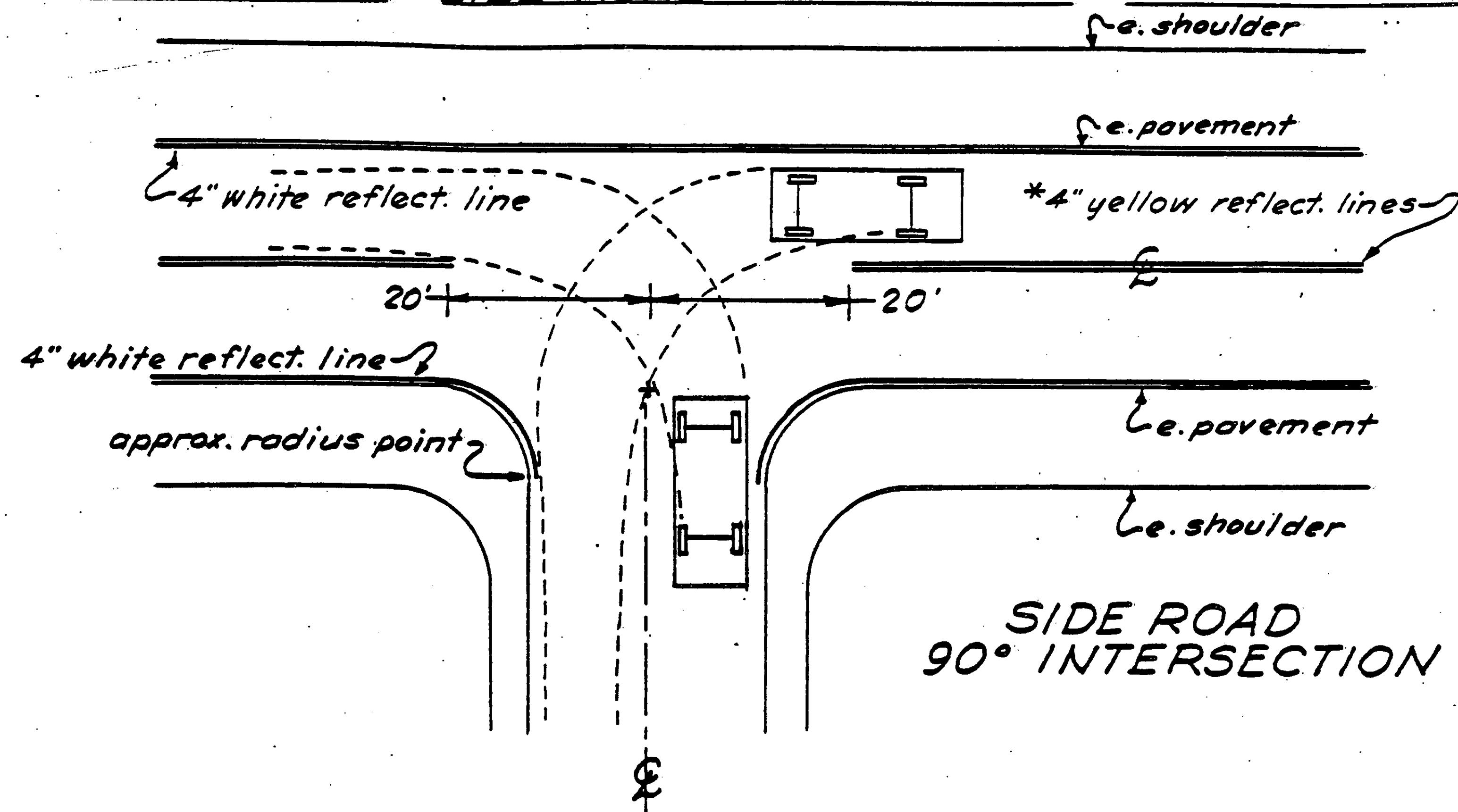
INTERSTATE MEDIAN SIDE-RETRO-REFLECTIVE RPM'S ON 4 TO 5 FOOT CENTER. DRIVERS RIGHT SIDE-RPM'S NOT ALLOWED.

- 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 FINAL 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

FAIRLEE HMA 2524
SHEET 14 OF 23



* 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.

