

STATE OF VERMONT AGENCY OF TRANSPORTATION

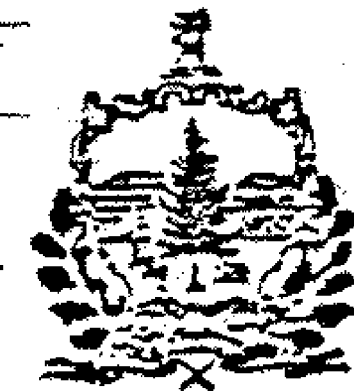
Dated JUL 19 1984

Cooley Asphalt Paving
Contractor

Walter A. Laprade
Signature

President
Title

[Signature]
Transportation Secretary's Signature



CONTRACT PLANS

THESE PLANS DO NOT REFLECT
CHANGES MADE ON THE PROJECT.

PROPOSED IMPROVEMENT

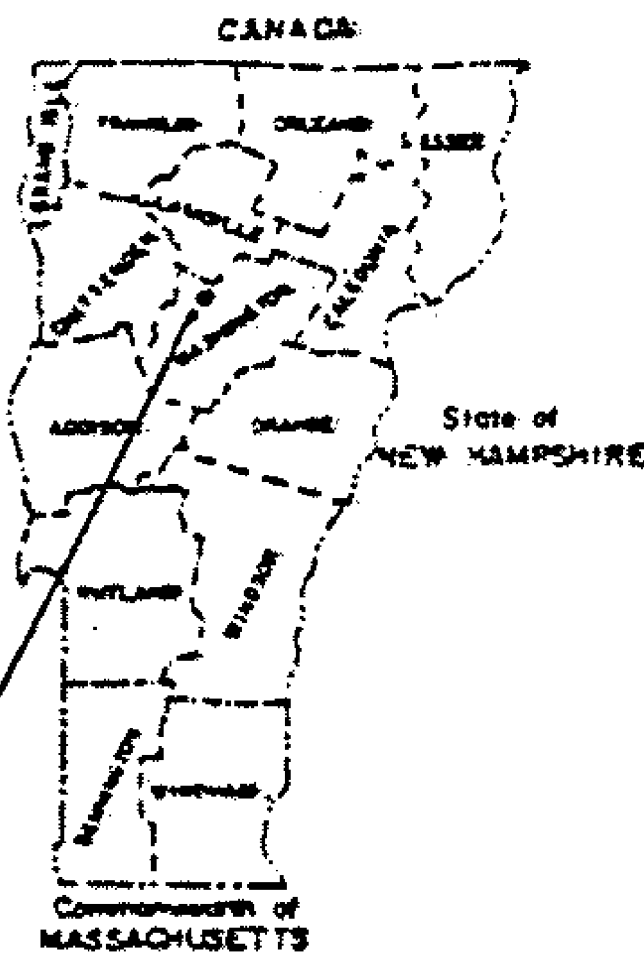
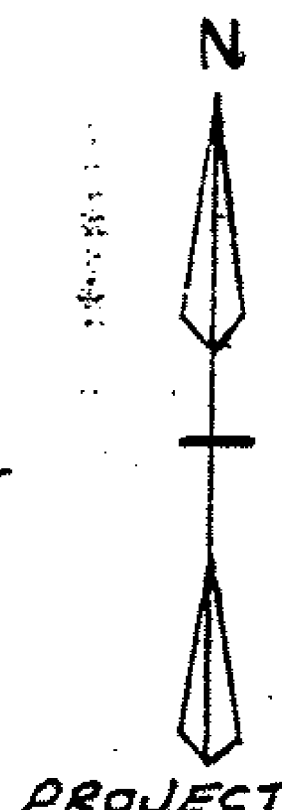
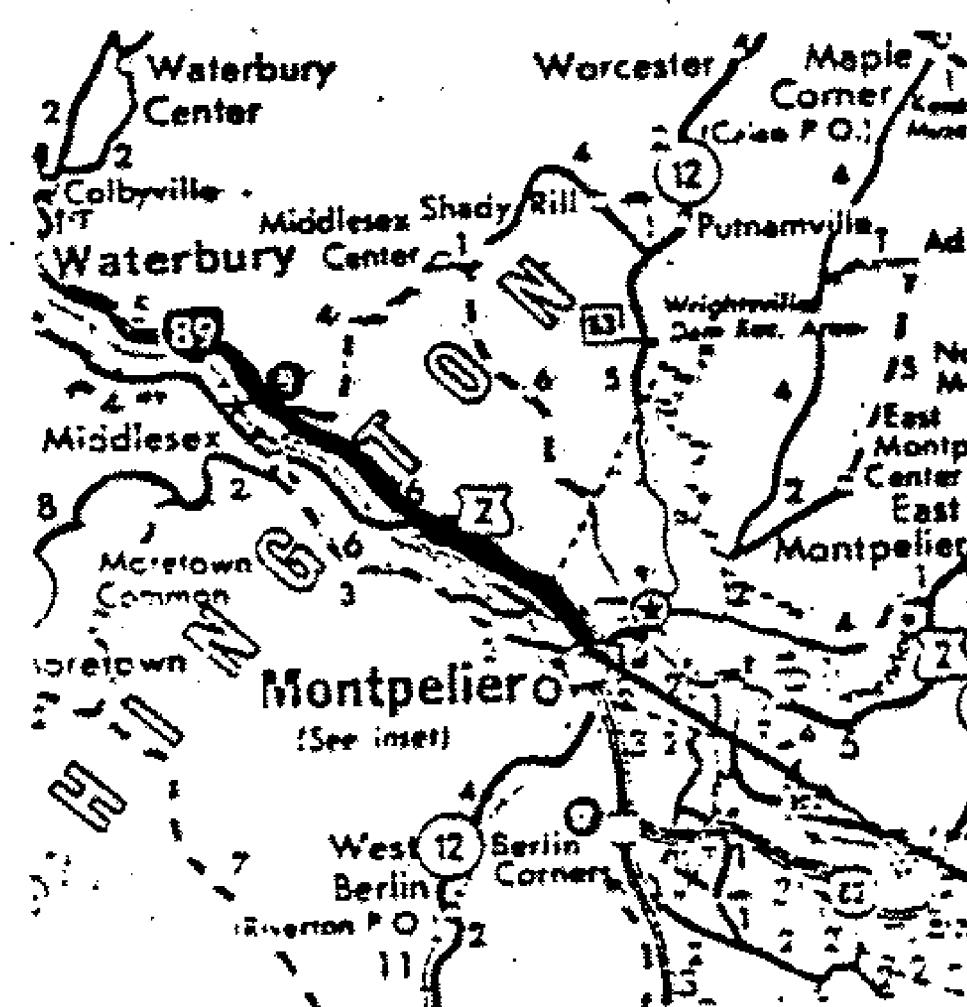
RESURFACING PROJECT

TOWN OF: MONTPELIER-MIDDLESEX

COUNTY OF: WASHINGTON

ROUTE NO: I 89

ROUTE CLASS: INTERSTATE



SEE SHEET 2 OF 27 FOR INDEX

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 <u>S. J. Gagar</u>	DATE: <u>APR 30 1984</u>
DIRECTOR OF ENGINEERING AND CONSTRUCTION.	
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED <u>3</u>	DATE _____
DIVISION ADMINISTRATOR	
PROJECT NO. <u>IR 789-2(4)</u>	
SHEET 1 OF 27 SHEETS	

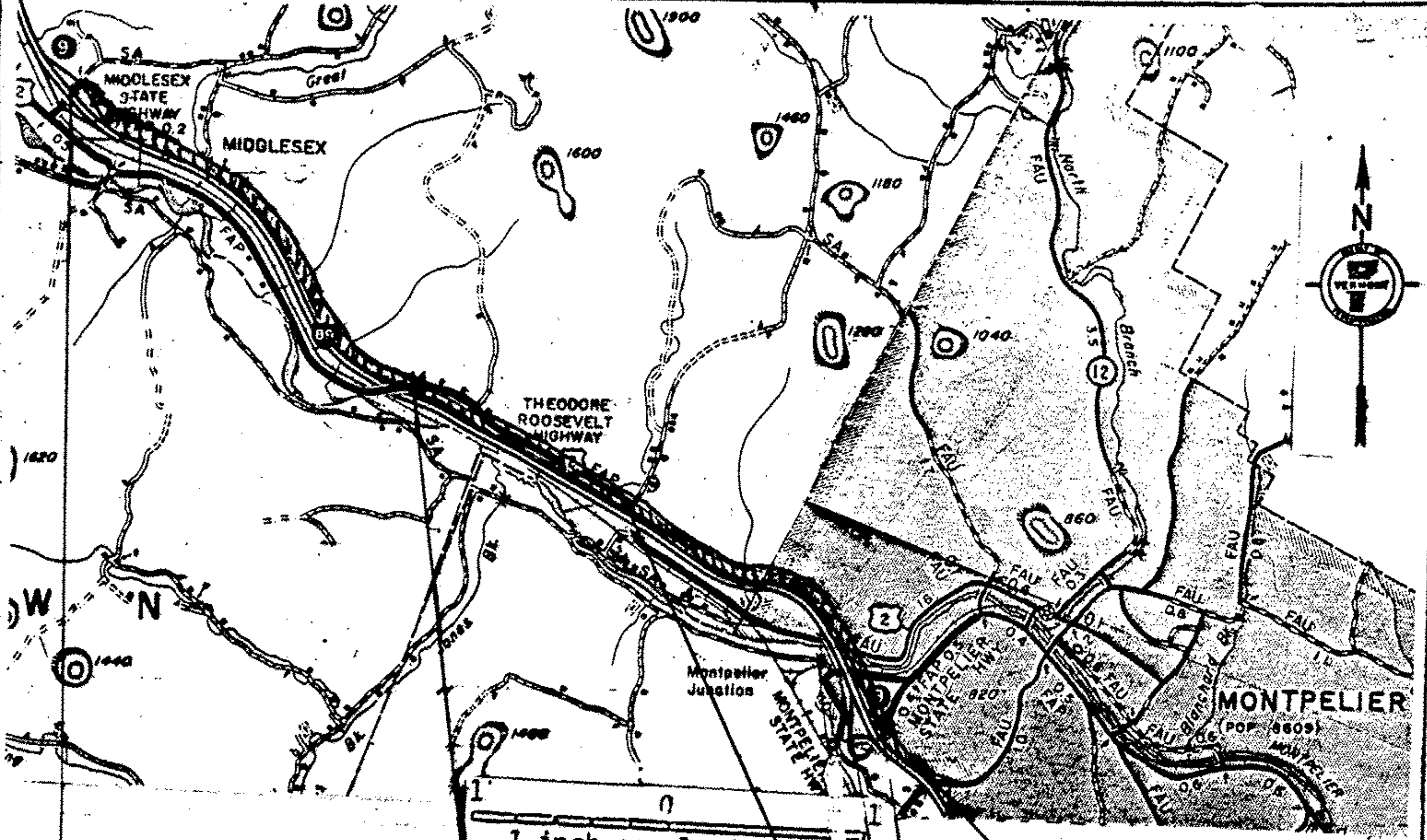
INDEX OF SHEETS

- 1. TITLE SHEET
- 2. INDEX OF SHEETS
- 3. PROJECT DESCRIPTION AND LOCATION
- 4. TYPICAL SECTIONS AND DESIGN DATA
- 5-5A. PROJECT LENGTHS AND ITEM QUANTITIES
- 6. SHOULDER AND TAPER DETAILS
- 7. CENTERLINE DETAILS
- 8. CENTERLINE LOCATION
- 9. BLANK
- 10. MAINLINE TRAFFIC CONTROL PLAN
- 11. SUMMARY SHEET, MAINLINE TRAFFIC CONTROL SIGNS
- 12. TRAFFIC CONTROL FOR CONSTRUCTION VEHICLE TURNING
- 13. SIGN SUMMARY, TRUCK TURNING
- 14. PAVEMENT MARKING DETAILS AND RAMP TRAFFIC CONTROL
- 15. SIGN SUMMARY, RAMP TRAFFIC CONTROL
- 16. GENERAL NOTES AND DETAILS
- 17. STANDARD SHEET E-2 (3-4-81)
- 18. STANDARD SHEET E-4 (3-4-81R)
- 19. STANDARD SHEET E-6 (4-1-80R)
- 20. STANDARD SHEET E-7 (2-2-83R)
- 21. STANDARD SHEET E-7A (4-3-82R)
- 22. STANDARD SHEET E-8 (6-15-83R)
- 23. STANDARD SHEET E-16 (1-6-75R)
- 24. STANDARD SHEET E-17 (1-8-74R)
- 25. STANDARD SHEET E-20 (5-18-78R)
- 26. STANDARD SHEET E-24A (5-29-79)
- 27. STANDARD SHEET E-27 (1-24-83R)
- 28. STANDARD SHEET E-29 (8-25-81R)
- 29. STANDARD SHEET E-50 (3-16-82R)

PROJECT MONTPELIER-MIDDLESEX

NO. I 989-2(4)

SHEET 2 OF 29 SHEETS



1 inch equals 1 mile

END PROJECT
MM 58.70

BRIDGE #4
OVER '89 (See note sheet 4)

Begin Project
NB MM 52.90

- BR 41N
Do Not Pave
- BR 42N
Do Not Pave
- BR 43N
Do Not Pave

Beginning at the Berlin-Montpelier Town Line at MM 52.90 and extending northerly 5.8 miles to MM 58.70 the Middlesex Interchange. Work to consist of coldplaning and Bituminous concrete overlay.

NORTHBOUND ONLY

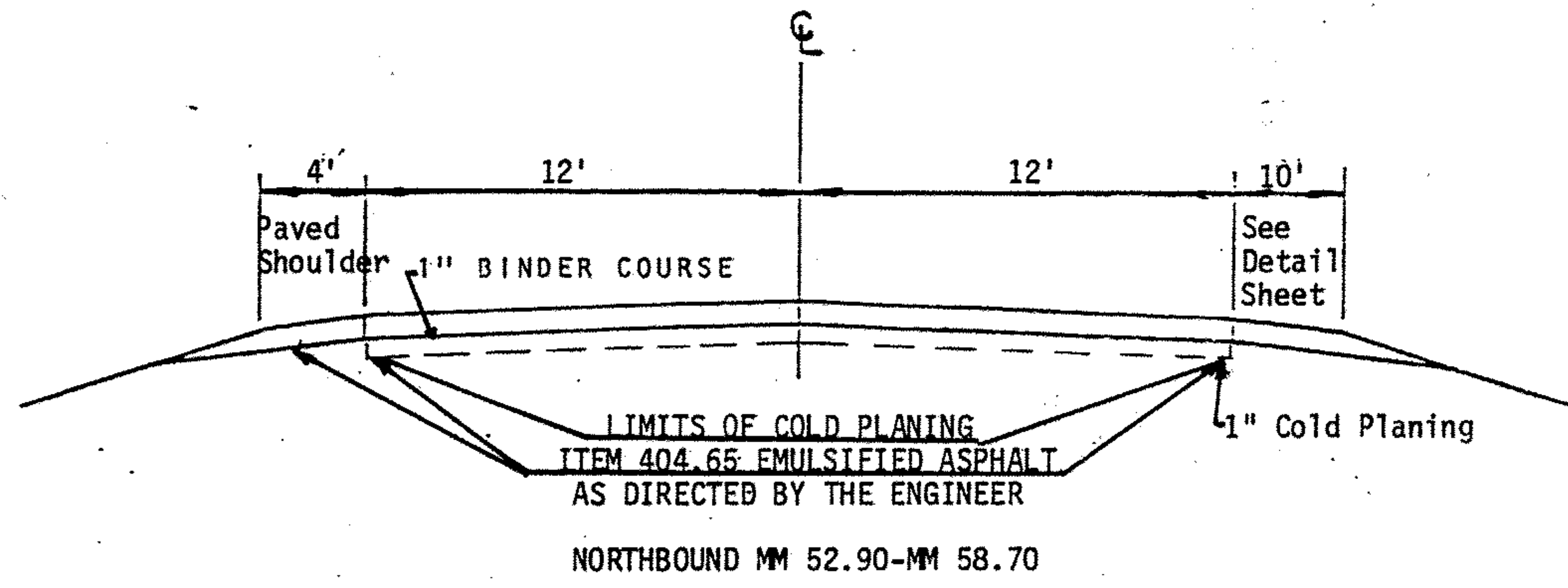
LENGTH OF PROJECT
5.8 Miles
30,624 Feet

PROJECT MONTPELIER-MIDDLESEX

NO. IR 089-2(4)

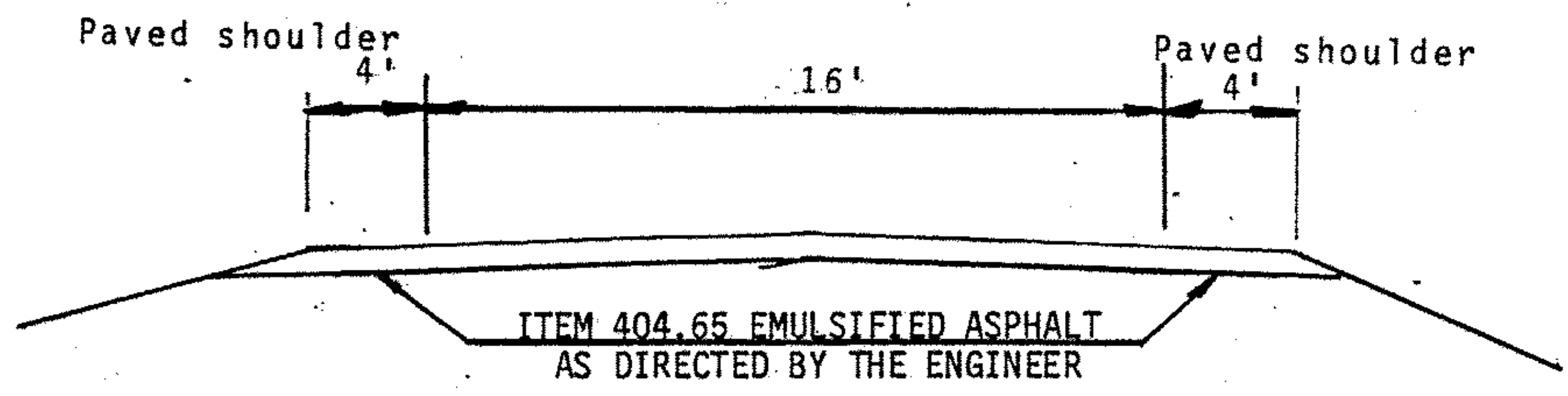
SHEET 3 OF 29 SHEETS

ITEM 210.10 COLD PLANING - BITUMINOUS PAVEMENT - 1"
 ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 1" BINDER TYPE III OR IV - AS DIRECTED BY THE ENGINEER
 1½" WEARING COURSE (+½") TYPE III 32' WIDE
 ITEM 404.40 BITUMINOUS SURFACE TREATMENT TYPE VI 9' WIDE



NORTHBOUND MM 52.90-MM 58.70

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 ½" LEVELING COURSE, TYPE III OR IV, AS DIRECTED BY THE ENGINEER
 1½" WEARING COURSE (+½") TYPE III 20' WIDE



EXIT 8 - RAMP B - NORTHBOUND ON
 EXIT 9 - RAMP B - NORTHBOUND OFF

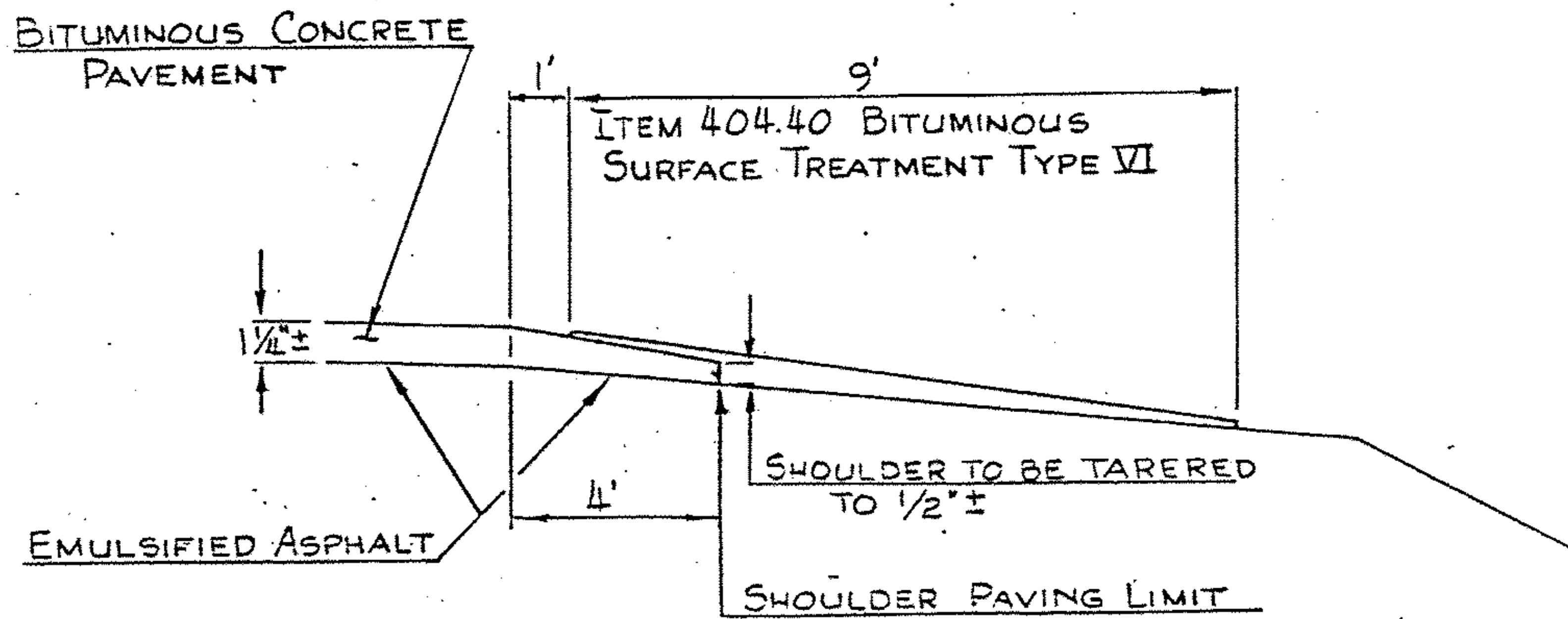
TRAFFIC DATA

1982 ADT 11150
 V = 55 MPH

Bridge 44-Over I-89 - Pavement to be held to Maximum of 2½" Depth

PROJECT <u>MONTPELIER-MIDDLESEX</u>	NO. <u>IR 089-2(4)</u> SHEET <u>4</u> OF <u>29</u>
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DETAILS

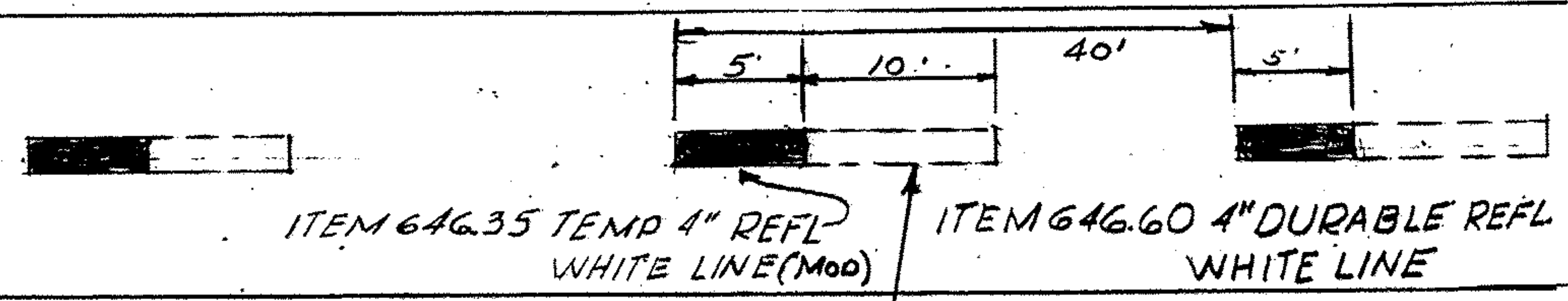


10 FT. SHOULDER DETAIL

NOTE: BLEEDERS WILL BE CONSTRUCTED THROUGH THE SHOULDERS AT THE BOTTOM OF SAG VERTICAL CURVES AND ANY LOW AREA WHERE WATER MIGHT POUND. BLEEDERS WILL BE PAVED WITH OPEN GRADED ASPHALT FRICTION COURSE, ITEM 409.25 SUBSIDIARY TO ITEM 210. COLD PLANING.

DETAILS

CENTER LINE DETAIL



NOT PART OF THIS CONTRACT

NOTE: CENTER LINE ON BINDER COURSE WILL BE STANDARD
10 FT LINE - 30 FT SPACE

MILE	MILE	LT	RT	QUANTITY LT.	QUANTITY E	QUANTITY RT	TOTAL
52.90	58.70	SOLID		30624			30624
RAMP B, EXIT 8							
0.0	0.140	SOLID		739			739
RAMP B, EXIT 9							
0.0	0.140	SOLID		739			739
Exit							
							32102

TEMPORARY 4" REFLECTORIZED WHITE LINE

MILE	MILE	E	RT	QUANTITY E	QUANTITY RT	TOTAL	
52.90	58.70	5' DASH	SOLID	3828	30624	34452	
RAMP B, EXIT 8							
0.0	0.140		SOLID		739	739	
RAMP B, EXIT 9							
0.0	0.140		SOLID		739	739	
0.0	0.140		SOLID			30624	

ASSUME 10' DASH ON E LOST TWICE DUE TO
COLD PLANING AND BINDER



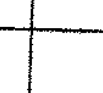
7656 X 2 = 15312


15312
81866

SECTION 641 TRAFFIC SIGNS SUMMARY SHEET

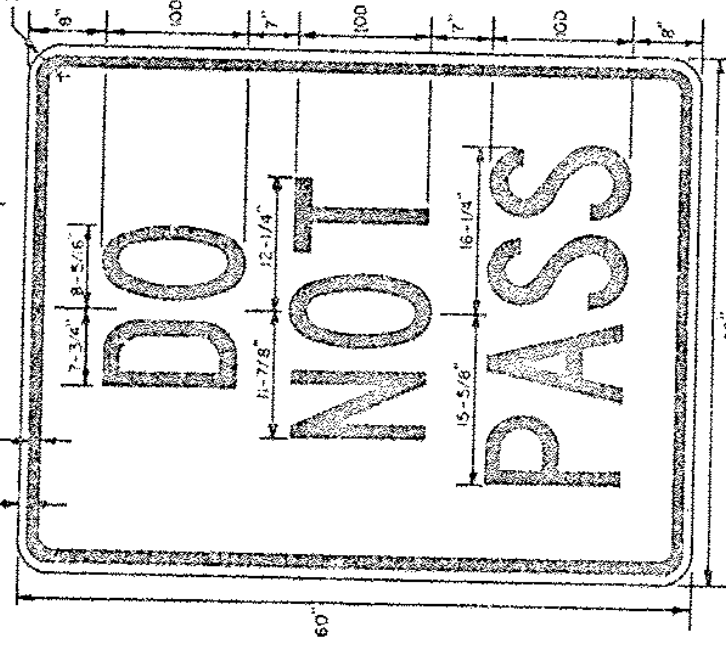
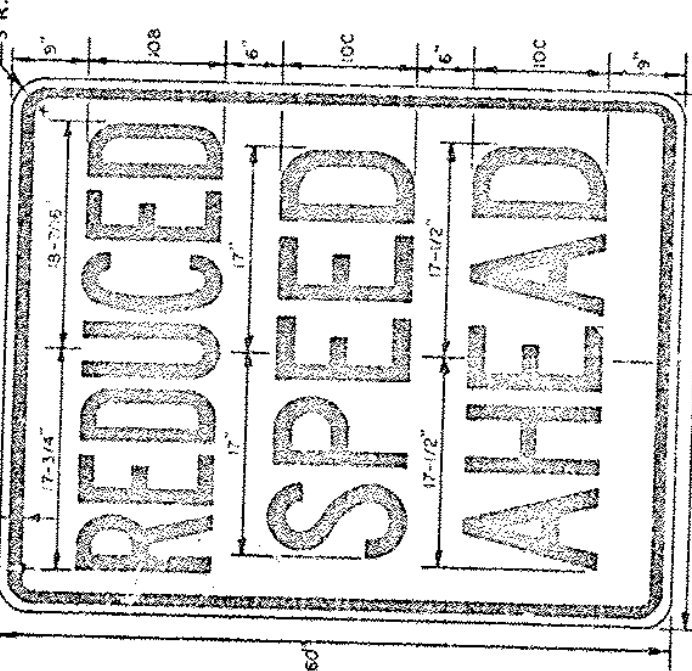
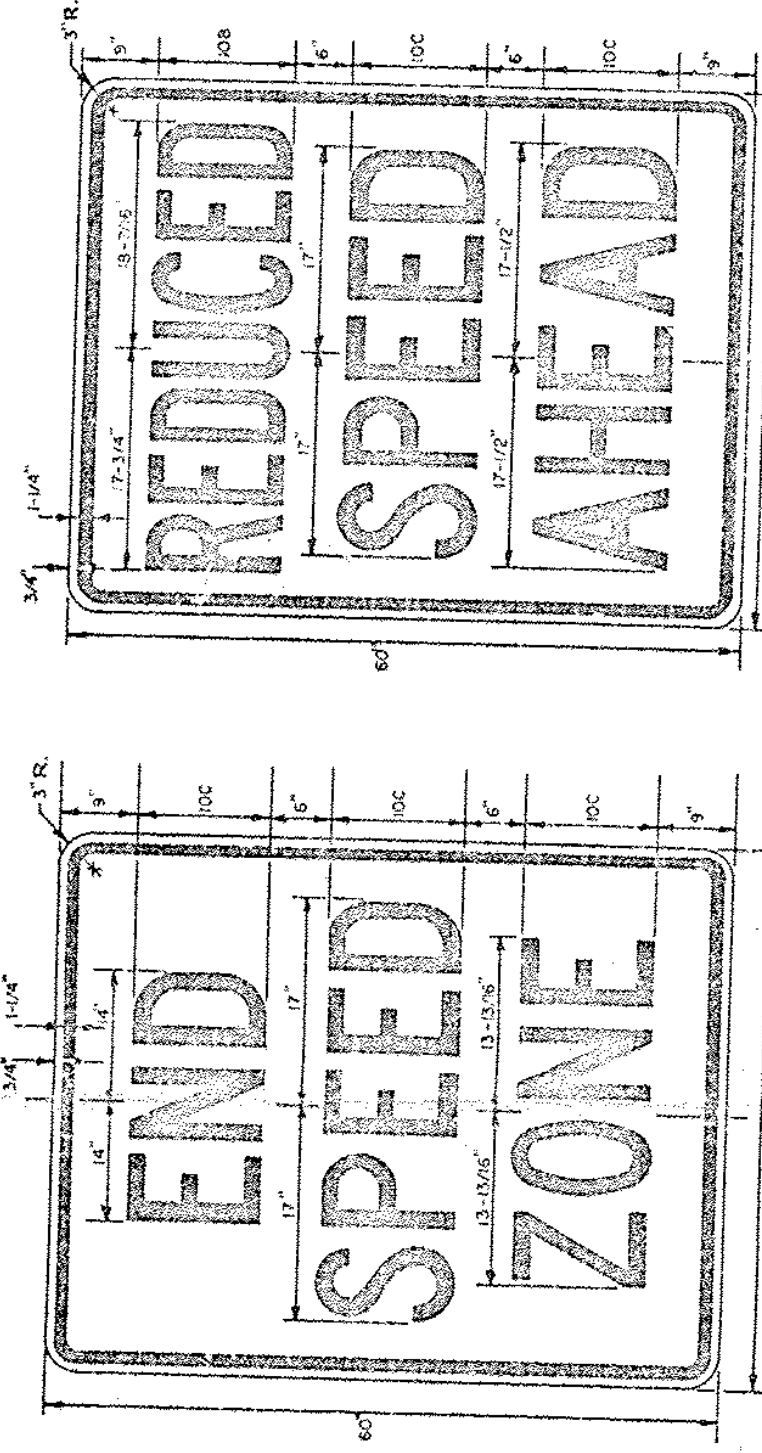
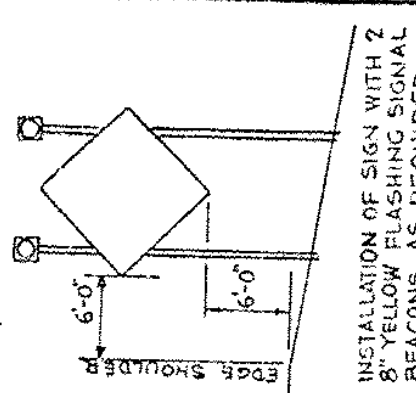
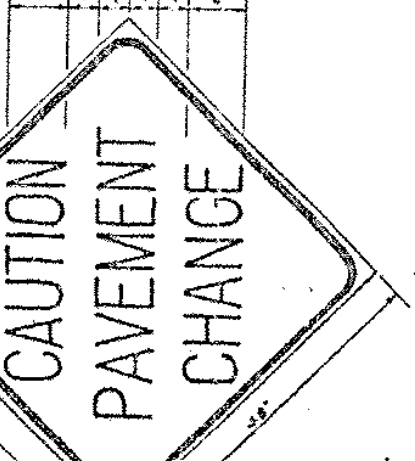
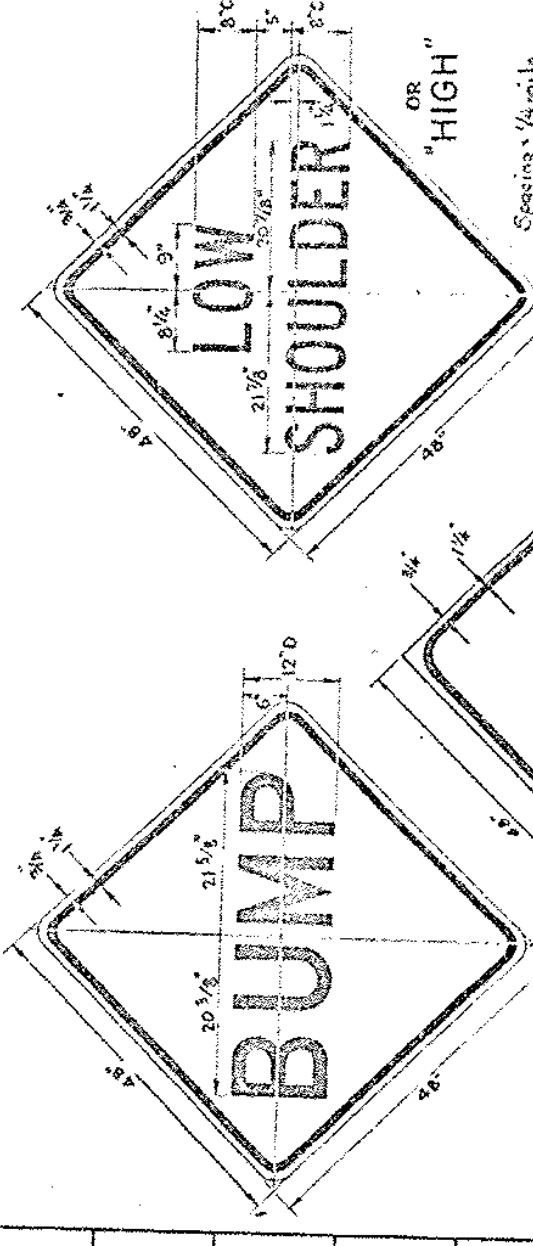
MAINLINE PAVING

RAMP PAVING

IDENTIFICATION	NUMBER OF SIGNS	SIZE WIDTH HEIGHT	TEXT	FOR SIGN STANDARD OR SHEET NUMBER
	2	4 4	LEFT LANE CLOSED 1 MILE	E-8
	6 <i>OR AS REQUIRED</i>	18" 8"	RIGHT	E-8
	2	4 4	LEFT LANE CLOSED 1/2 MILE	E-8
	2	4 5	REDUCED SPEED AHEAD	E-6
	2 <i>OR AS REQUIRED</i>	4 4	LEFT LANE CLOSED 1000 FEET	E-8
	2	4 4		E-8
	2	4 4		E-8
	AS REQUIRED	4 5	DO NOT PASS	
	AS REQUIRED	4 5	SPEED LIMIT 40	E-16
	1	4 5	END SPEED ZONE	
	AS REQUIRED	4 4	CAUTION PAVEMENT CHANGE	SEE E-6 FOR MATERIALS, ETC.
	AS REQUIRED	4 4	BUMP	" * * * * "
	2	4 4	ROAD CONSTRUCTION AHEAD	E-2
	2 5 3	3	ROAD CONSTRUCTION NEXT --- MILES	E-2
	1 4 4	4		E-6
	AS REQUIRED	4 4	HIGH OR LOW SHOULDER	" * * * * "

IDENTIFICATION	NUMBER OF SIGNS	SIZE WIDTH HEIGHT	TEXT	FOR SIGN STANDARD OR SHEET NUMBER
	AS REQUIRED	4 4	LEFT LANE CLOSED AHEAD	E-8
	AS REQUIRED	18" 6"	RIGHT	E-8
	AS REQUIRED	4 4		E-6

SIGN NOTES: TRAFFIC SIGNS SHOWN ON THIS SHEET ARE TO BE SUBSIDIARY TO ITEM 641, TRAFFIC CONTROL. ALL SIGNS SHOWN ON THIS SHEET ARE NOT DETAILED WILL BE PAID AS ITEM 674.50 OR 674.25 AS DIRECTED BY THE ENGINEER. PROJECT SIGNS AS PER STANDARD E-2 AND E-6 WILL BE REQUIRED TO ESTABLISH PROJECT LIMITS AND AS RAMP SIGNS. SIGNS MAY BE ERECTED ON FLANGED CHANNEL STEEL POSTS OR BREAKAWAY WOODEN POSTS. * SIZE = 3 LBS/FT - MAXIMUM



COLORS: LETTERS IN RED (NON-REFLECTORIZED) BACKGROUND IN WHITE (SEE STANDARD SHEET E-16 FOR MATERIAL SPECIFICATIONS)

SECTION 641
TRAFFIC SIGN
SUMMARY SHEET
MAINLINE
TRAFFIC CONTROL
PLAN

DESIGNED BY: _____ DATE: 2-12-82
DRAWN BY: _____ DATE: 2-12-82
CHECKED BY: _____ DATE: 5-12-82
PROJECT: MONTPELIER - MIDDLESEX
PROJECT IR NO. 089-2(4)
SHEET 11 OF 27

Double 4' centerline white line

Int. 20 - on ramp 100%

Ramp B (short) 50% gore

Int. 19 - set ramp gore

addition ST way island

Double 4' centerline white line

Int. 18

4'-11" lane (dashed)

Int. 17 - Dual lane (dashed)

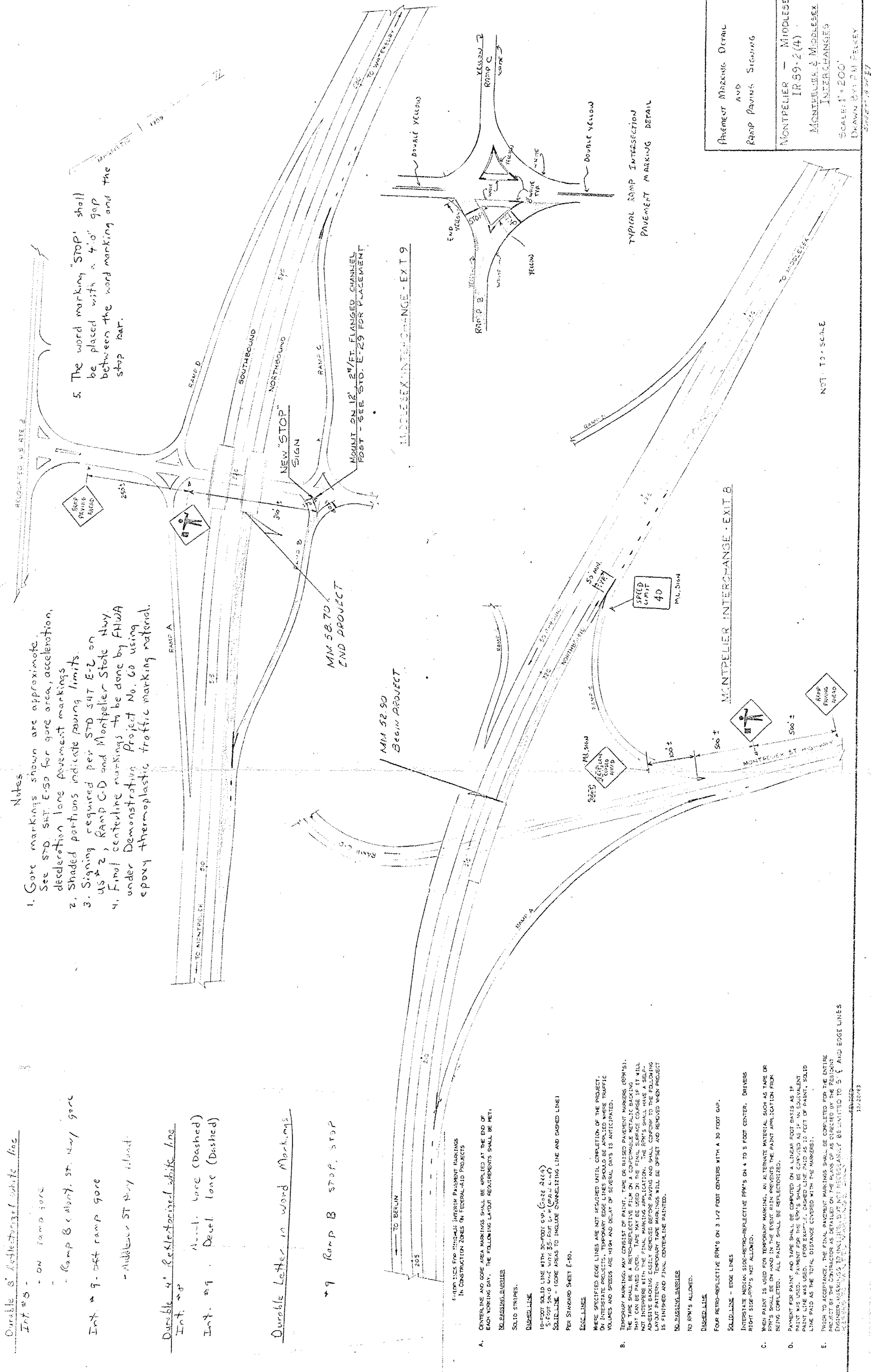
Double letter in word markings

19 Ramp B stop sign

Notes

1. Gore markings shown are approximate. See STD 517.150 for gore area, acceleration, deceleration lane pavement markings.
2. Shaded portions indicate paving limits.
3. Signage required per STD 517.152 on US 2, Ramp CD and Montpelier State Hwy under Demonstration Project No. 60 using epoxy thermoplastic traffic marking material.

5. The word marking "STOP" shall be placed with a 4' gap between the word marking and the stop bar.



1. CENTERLINE AND GORE AREA MARKINGS SHALL BE APPLIED AT THE END OF EACH WORKING DAY. THE FOLLOWING LAYOUT REQUIREMENTS SHALL BE MET:
 - SOLID STRIPES:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - DOUBLE LINES:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 2" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 4" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 6" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 8" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 10" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 12" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 14" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 16" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 18" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 20" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 22" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 24" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 26" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 28" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 30" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 32" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 34" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 36" GAP:
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 - TRIPLE LINES WITH 68" GAP:
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 - 1" MINIMUM SPACING
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 - 1" MINIMUM SPACING
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 - TRIPLE LINES WITH 78" GAP:
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 - TRIPLE LINES WITH 86" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 88" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 90" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 92" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 94" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 96" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 98" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING
 - TRIPLE LINES WITH 100" GAP:
 - 4" MINIMUM WIDTH
 - 1" MINIMUM SPACING

Plummer Machine Detail
AND
Ramp Paving Staging
MONTPELLIER - MIDDLESEX
R/S 59-2 (4)
MONTPELLIER & MIDDLESEX
INTERCHANGES
SCALE: 1" = 20'
DRAWN BY: J.M. FRISBY
CHECKED BY: J.F.

NOT TO SCALE

TO SEINE

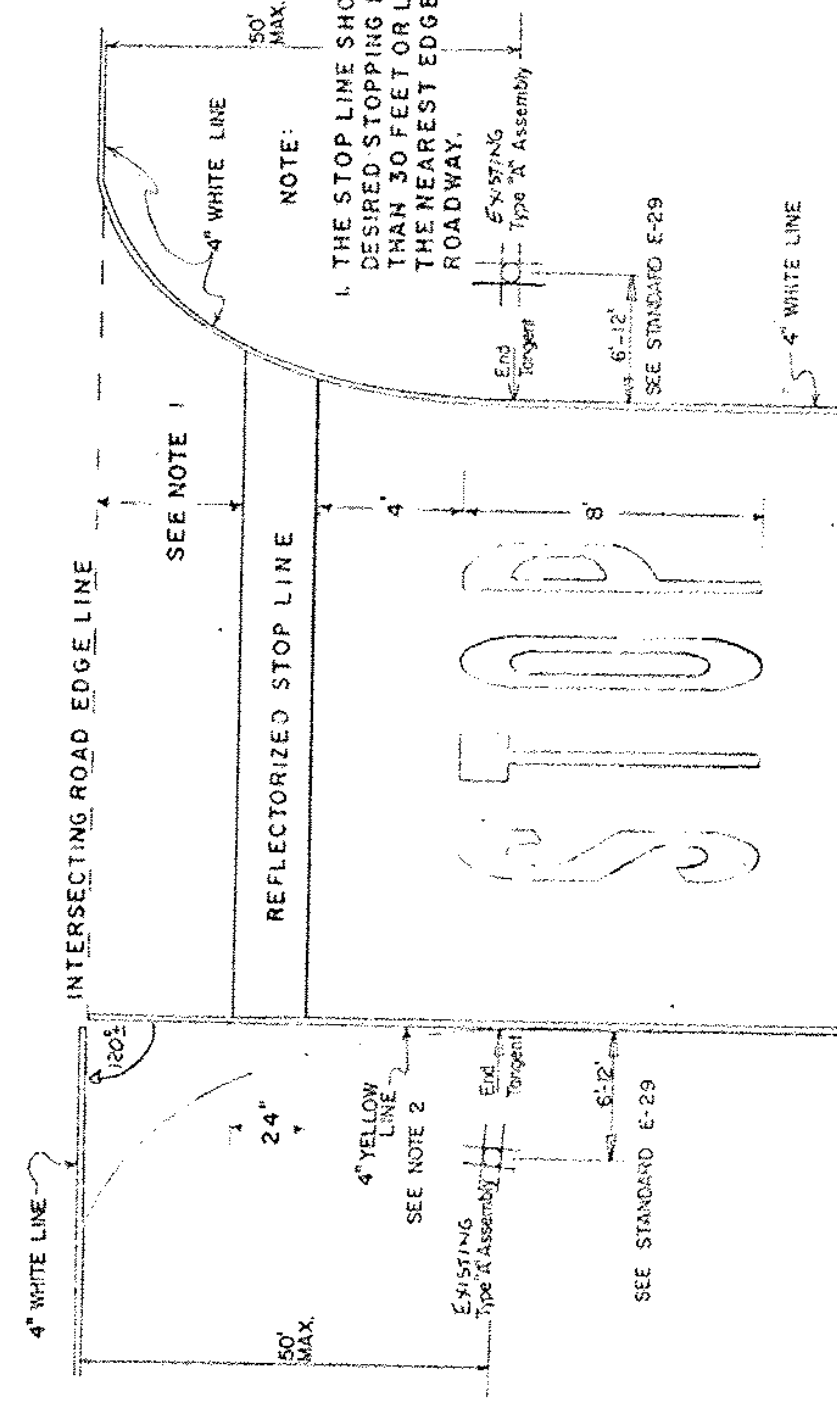
TO WATKINS

AHEAD

NOTE:
SEE STANDARD E-50
FOR LETTERING DETAIL.

STOP

WORD MARKING LAYOUT DETAIL



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

NOTE 2. THE 4\"/>

GENERAL NOTES AND
DETAILS SHEET

DRAWN BY RJT DATE 9-83
TRACED BY DATE
PROJECT - Philadelphia - Phoenicia
No. IR 89-2(4)
SHEET 16 OF 27

PAVEMENT MARKING B. SIGN LOCATION DETAILS