

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

Date JUN 14 1985

KEITH Construction Inc.  
Contractor

*John W. Hayes*  
Signature

Vice President  
Title



CONTRACT PLANS

THESE PLANS DO NOT REFLECT  
CHANGES MADE ON THE PROJECT.

PROPOSED IMPROVEMENT

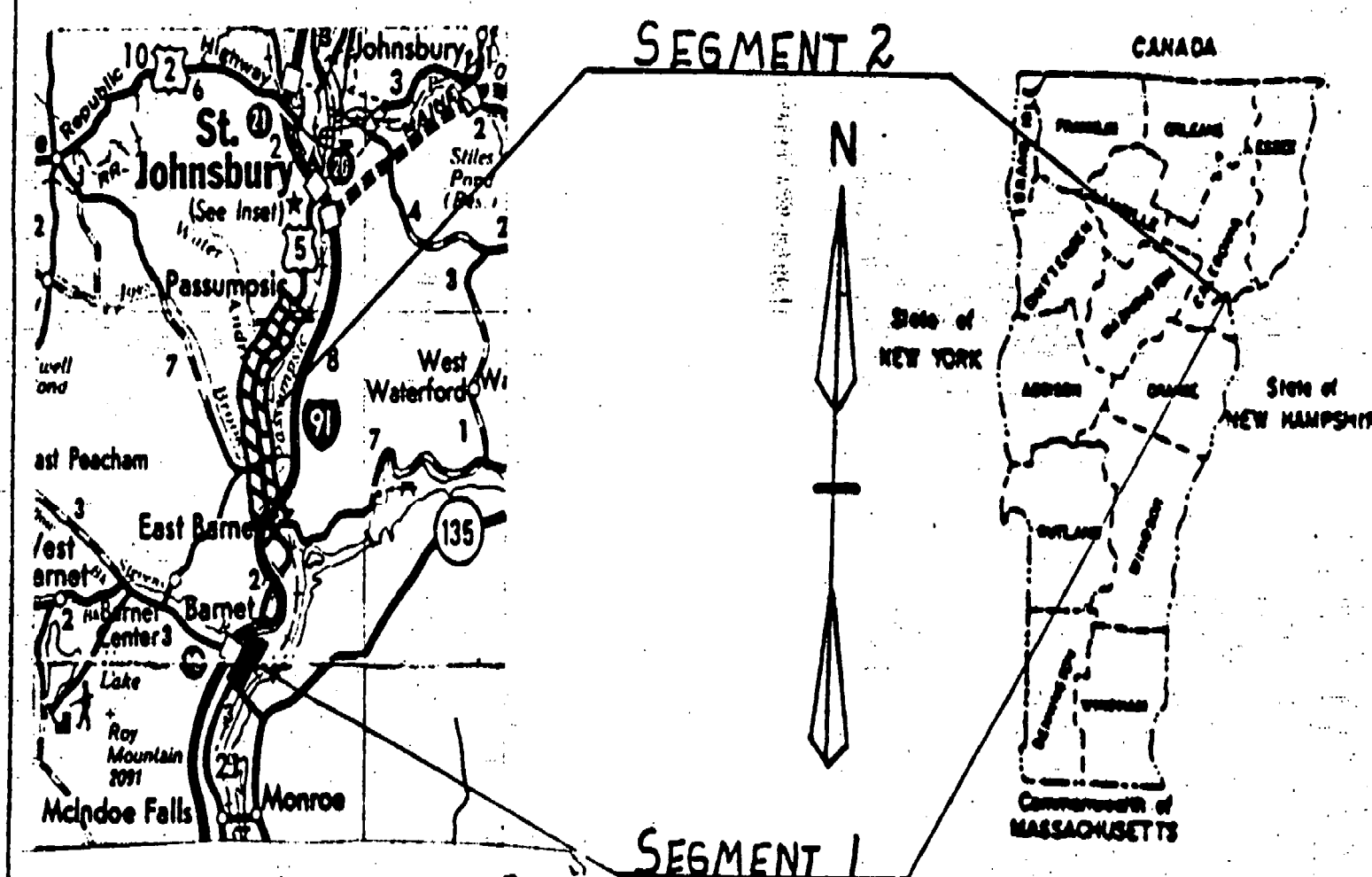
ACTING *Arthur G. Hall* RESURFACING PROJECT  
Transportation Secretary's  
Signature

TOWN OF: BARNET

COUNTY OF: CALEDONIA

ROUTE NO: U.S. 5

ROUTE CLASS: FAS



1 INCH REPRESENTS 5 MILES

SEE SHEET 2 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 *Frank E. Blum* DATE MAR 14 1985  
DIRECTOR OF ENGINEERING AND CONSTRUCTION

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
DIVISION ADMINISTRATOR

PROJECT NO. RS0113(41)

SHEET 1 OF 13 SHEETS

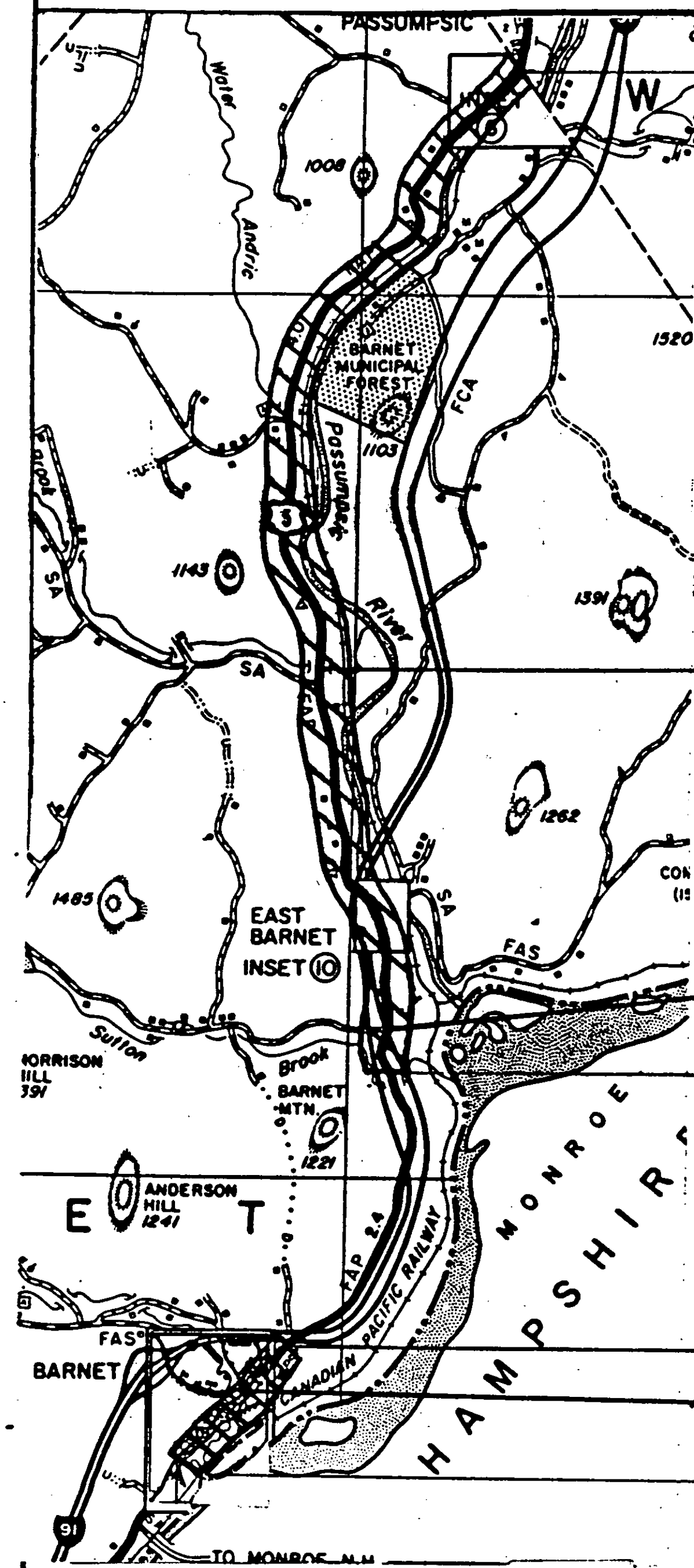
Revised 5/17/85

PROJECT PROCESSED UNDER  
SECONDARY ROAD PLAN

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# PROJECT DESCRIPTION AND LOCATION



END PROJECT - END SEGMENT 2 MM 9.939

BRIDGE No. 123 (MM 6.767)  
DO NOT PAVE

LENGTH OF PROJECT  
SEGMENT #1 0.653 Mi.  
3448 Ft.

SEGMENT #2 4.986 Mi  
26326 Ft.

BRIDGE No. 122A (MM 5.121) TO MAINTAIN 16'  
CLEARANCE - TOP COURSE ONLY UNDER BRIDGE  
BEGIN SEGMENT 2 MM 4.953

END SEGMENT 1 MM 3.535

BRIDGE No. 121 (MM 3.252) TOP COURSE ONLY

BEGIN PROJECT - SEGMENT 1 MM 2.882

1 INCH REPRESENTS 1 MILE

This project is divided into two segments.

Segment 1 begins at a point on U.S. Rte 5, 2.8 miles North of the Barnet-Ryegate Town Line at MM 2.882, and extends northerly .635 miles to MM 3.535.

Segment 2 begins at MM 4.953, approx. 750' South of the intersection of T.H. 44 and U.S Rte. 5, and extends Northerly 4.986 miles to the Barnet-Waterford Town line - MM 9.939.

PROJECT Barnet

NO. RS 0113 (41)

SHEET 3 OF 13 SHEETS

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT

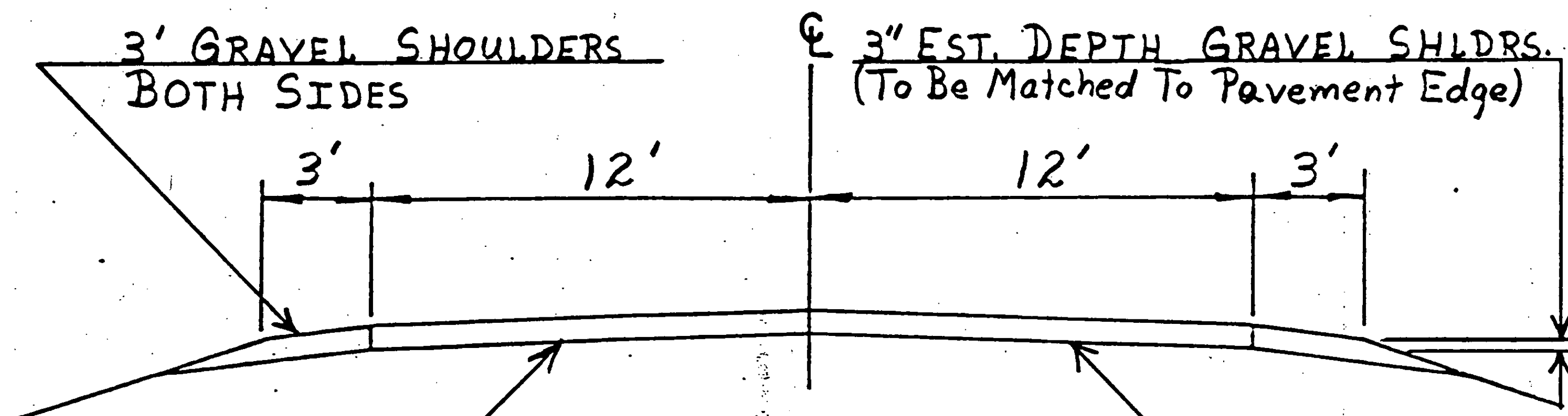
LEVELING COURSE TYPE III OR IV

AS DIRECTED BY THE ENGINEER

MM 2.882~3.535 (24' WIDE @ 218 TONS / MI.)

MM 4.953~5.760 + MM 5.970~9.939 (24' WIDE @ 327 TONS / MI.)

3/4" WEARING COURSE, TYPE IV



ITEM 404.65 EMULSIFIED ASPHALT

AS DIRECTED BY THE ENGINEER

BARNET

SEGMENT 1 MM 2.882~3.535

SEGMENT 2 MM 4.953~5.760 + 5.970~9.939

TRAFFIC DATA

1982 ADT 815

V= 50 MPH

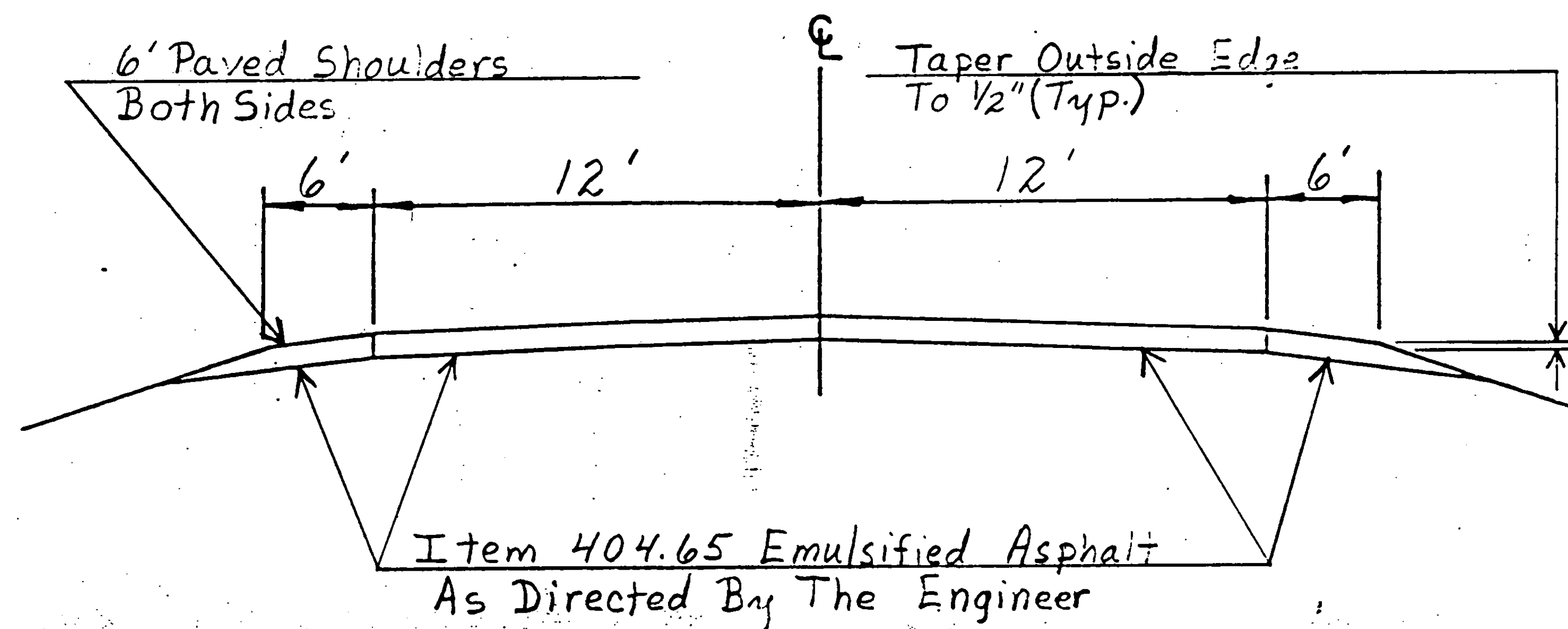
PROJECT BARNET

NO. RS 0113(41)

SHEET 4 OF 13 SHEETS

# TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT  
LEVELING COURSE, TYPE III OR IV (24' WIDE @ 32.7 TONS/IN.)  
AS DIRECTED BY THE ENGINEER  
3/4" WEARING COURSE, TYPE IV



BARNET

SEGMENT 2 MM 5.760~5.970

TRAFFIC DATA

1982 ADT 650

V=50 MPH

PROJECT Barnet

NO. RS 0113(41)

SHEET 4A OF 13 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

| ITEM DESCRIPTION |       |          |     |     |      |      |               |        |      | OPTION          |        | ITEM QUANTITIES  |        |                    |        |                     |        |                    |        |                            |     |             |     |             |     |              |     |     |
|------------------|-------|----------|-----|-----|------|------|---------------|--------|------|-----------------|--------|------------------|--------|--------------------|--------|---------------------|--------|--------------------|--------|----------------------------|-----|-------------|-----|-------------|-----|--------------|-----|-----|
| ITEM NO          | UNIT  | LOCATION | FT. | FT. | IN.  | TONS | OVERLAY DEPTH |        | CY   | LEVELING COURSE |        | GRAVEL SHOULDERS |        | EMULSIFIED ASPHALT |        | BITUMINOUS CONCRETE |        | POWER BROOM RENTAL |        | UNIFORMED TRAFFIC OFFICERS |     | FLAGPERSONS |     | WHITE LINES |     | YELLOW LINES |     |     |
|                  |       |          |     |     |      |      | 402.10        | 402.11 |      | 404.65          | 406.25 | 608.30           | 604.40 | 630.10             | 630.15 | 644.35              | 646.36 | EA.                | HR.    | HR.                        | LF. | LF.         | EA. | HR.         | HR. | LF.          | LF. | EA. |
| MM 2.882-3.535   | 3448  | 24       | 3/4 | 218 | 192  | 336  | 23            | 383    |      |                 |        |                  |        |                    |        |                     |        |                    |        |                            |     |             |     |             |     |              |     |     |
| (SEGMENT 1)      |       |          |     |     |      |      |               | 142    |      |                 |        |                  |        |                    |        |                     |        |                    |        |                            |     |             |     |             |     |              |     |     |
| MM 4.953-5.760   | 4261  | 24       | 3/4 | 327 | 237  | 414  | 28            | 473    |      |                 |        |                  |        |                    |        |                     |        |                    |        |                            |     |             |     |             |     |              |     |     |
| (SEGMENT 2)      |       |          |     |     |      |      |               | 264    |      |                 |        |                  |        |                    |        |                     |        |                    |        |                            |     |             |     |             |     |              |     |     |
| MM 5.760-5.970   | 1109  | 24       | 3/4 | 327 | —    | —    | 11            | 191    |      |                 |        |                  |        |                    |        |                     |        |                    |        |                            |     |             |     |             |     |              |     |     |
| (SEGMENT 2)      |       |          |     |     |      |      |               | 69     |      |                 |        |                  |        |                    |        |                     |        |                    |        |                            |     |             |     |             |     |              |     |     |
| MM 5.970-9.939   | 20956 | 24       | 3/4 | 327 | 1164 | 2038 | 139           | 2328   |      |                 |        |                  |        |                    |        |                     |        |                    |        |                            |     |             |     |             |     |              |     |     |
| (SEGMENT 2)      |       |          |     |     |      |      |               | 1298   |      |                 |        |                  |        |                    |        |                     |        |                    |        |                            |     |             |     |             |     |              |     |     |
| PROJECT EST.     |       |          |     |     |      |      |               | 150    |      |                 |        |                  |        |                    |        |                     |        |                    |        |                            |     |             |     |             |     |              |     |     |
| ROUNDING         |       |          |     |     |      |      |               | 7      | 12   | 9               | 2      |                  |        |                    |        |                     |        |                    |        |                            |     |             |     |             |     |              |     |     |
| TOTAL            | 29774 |          |     |     |      |      |               | 1600   | 2800 | 210             | 5300   | 45               | 2      | 270                | 270    | 270                 | 270    | 57560              | 108900 |                            |     |             |     |             |     |              |     |     |



PROJECT: BARNET

ROUTE US 5

PROJECT NUMBER RS 0113(41)

## SEGMENT 1

TEMPORARY 4" REFLECTORIZED YELLOW LINE

[illegible]

TEMPORARY 4" REFLECTORIZED WHITE LINE

[illegible]

RS 0113(41)

SHEET 6 OF 13

PROJECT: Barney

ROUTE US5

PROJECT NUMBER RS 0113(41)

SEGMENT 2

TEMPORARY 4" REFLECTORIZED YELLOW LINE

[illegible]

TEMPORARY 4" REFLECTORIZED WHITE LINE

|       |       |       |       |        |        |        |
|-------|-------|-------|-------|--------|--------|--------|
| 4.953 | 9.939 | Solid | Solid | 26,326 | 26,326 | 52,652 |
|-------|-------|-------|-------|--------|--------|--------|

ITEM 646.66- LETTERS IN WORD MARKING

ea

|      |    |        |        |   |   |     |   |
|------|----|--------|--------|---|---|-----|---|
| 5.48 | RT | —      | SCHOOL | — | — | 6cc | 6 |
| 5.65 | LT | SCHOOL | —      | 6 | — | —   | 6 |
| 9.72 | RT | —      | SCHOOL | — | — | 6   | 6 |
| 9.89 | LT | SCHOOL | —      | 6 | — | —   | 6 |

Letters in Word Markids TOTAL= 24 ea

RS 0113 (41)

SHEET 6A OF 13

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.

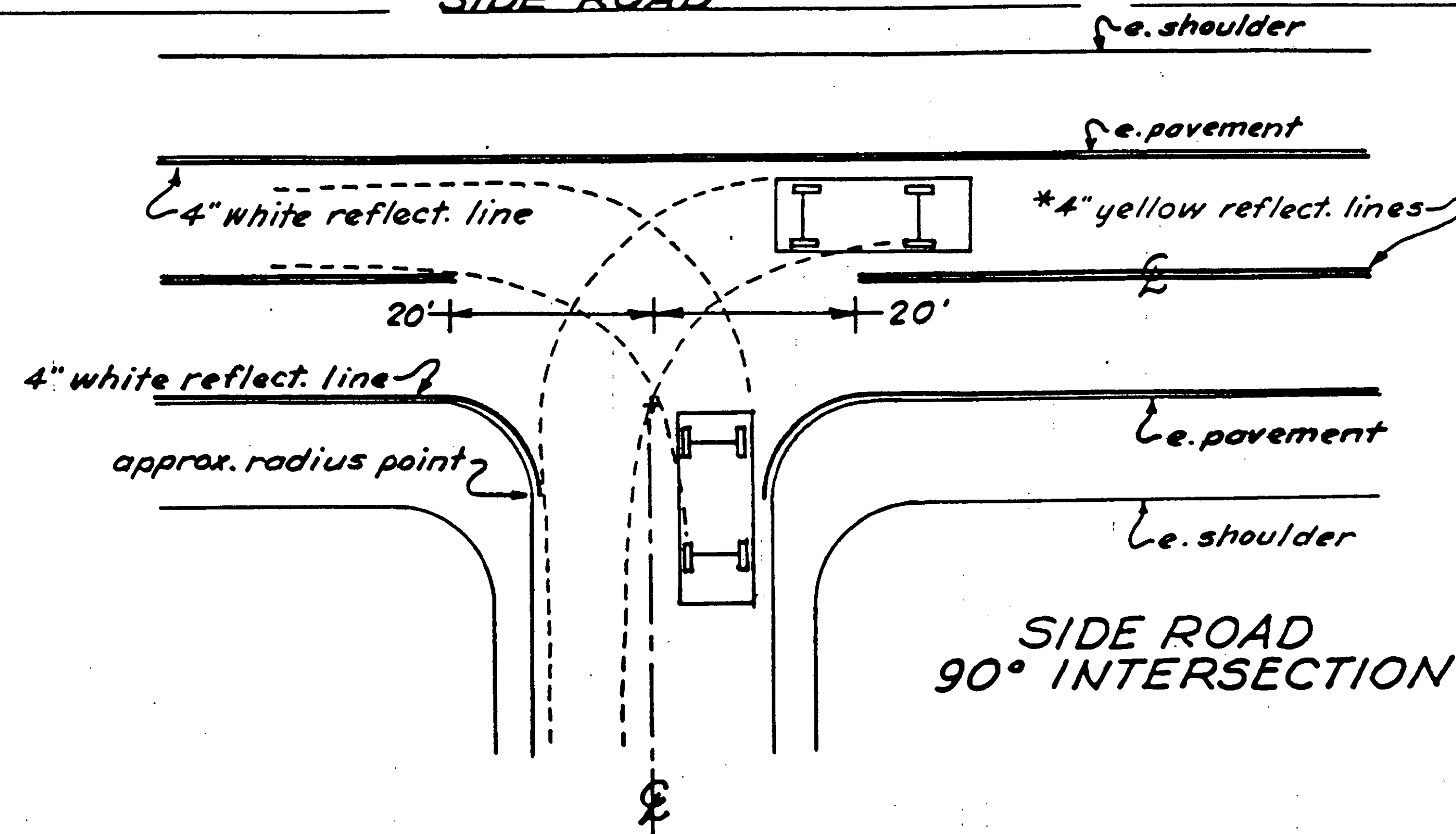
DASHED LINE  
FOUR RETRO-REFLECTIVE RPM'S ON 3 1/2 FOOT CENTERS WITH A 30' GAP.

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

RS 0113(41)  
SHEET 8 OF 13



\* 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.

