

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Dated MAR 30 1984  
Cooley Asphalt Paving  
 Contractor  
William G. Laprade  
 Signature  
President  
 Title



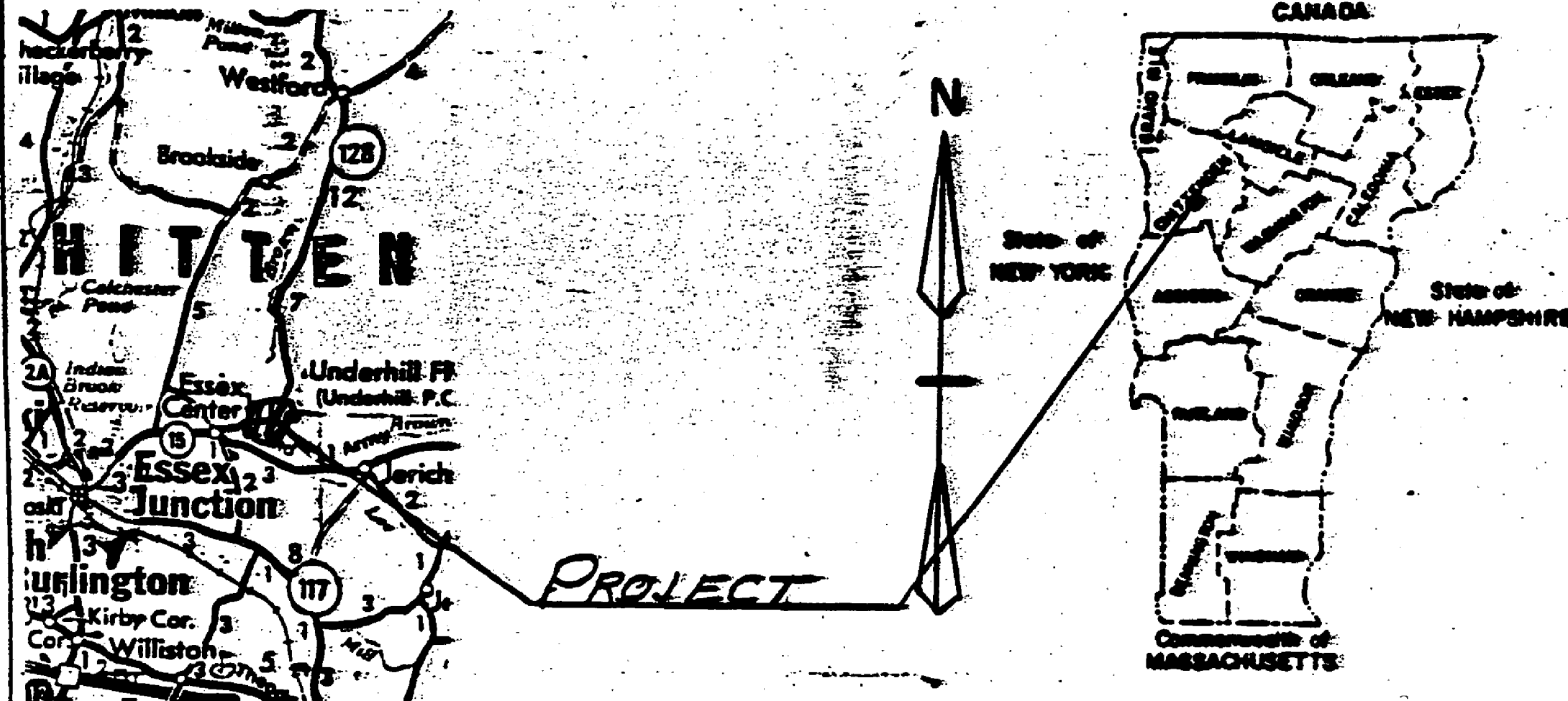
CONTRACT PLANS  
 THESE PLANS DO NOT REFLECT  
 CHANGES MADE ON THE PROJECT.

Transportation Secretary's Signature

**PROPOSED IMPROVEMENT**

RESURFACING PROJECT

TOWN OF: ESSEX  
 COUNTY OF: CHITTENDEN  
 ROUTE NO: Vt. 15  
 ROUTE CLASS: F.A.P.



**PROJECT PROCESSED UNDER  
SECONDARY ROAD PLAN**

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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. Gage P.E. DATE 1-25-84  
 DIRECTOR OF ENGINEERING AND CONSTRUCTION

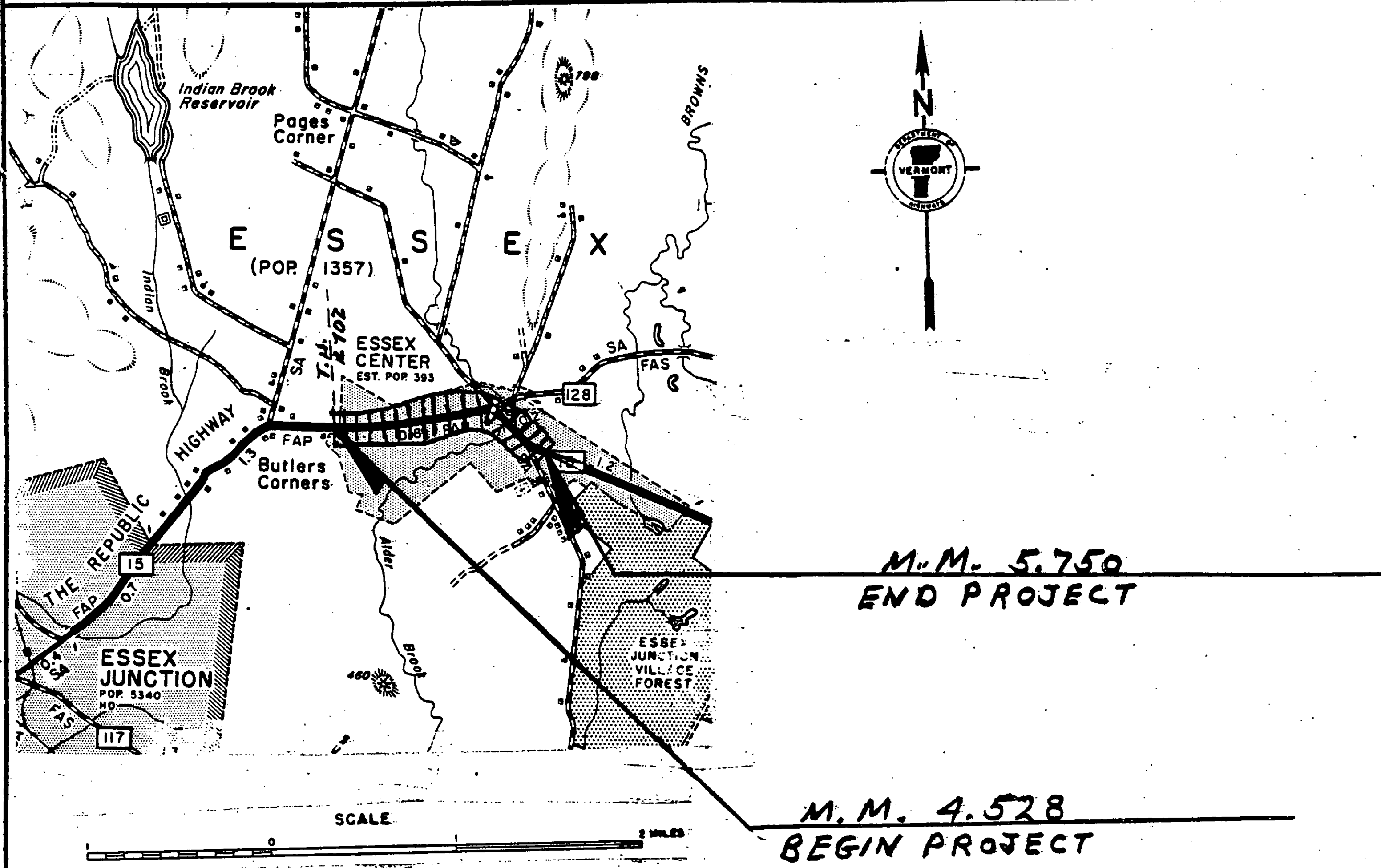
DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
 DIVISION ADMINISTRATOR

PROJECT NO. F-EGC-F 030-1(12)S

SHEET 1 OF 14 SHEETS

# PROJECT DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF ESSEX ON VT. RT. 15 AT M.M. 4.528 - THE  
 INTERSECTION OF TH#702 - AND EXTENDING EASTERLY 1.222 MILES TO  
 M.M. 5.750 - 0.148 MILES EAST OF TH #4

LENGTH OF PROJECT 1.222 MI. = 6451 FEET

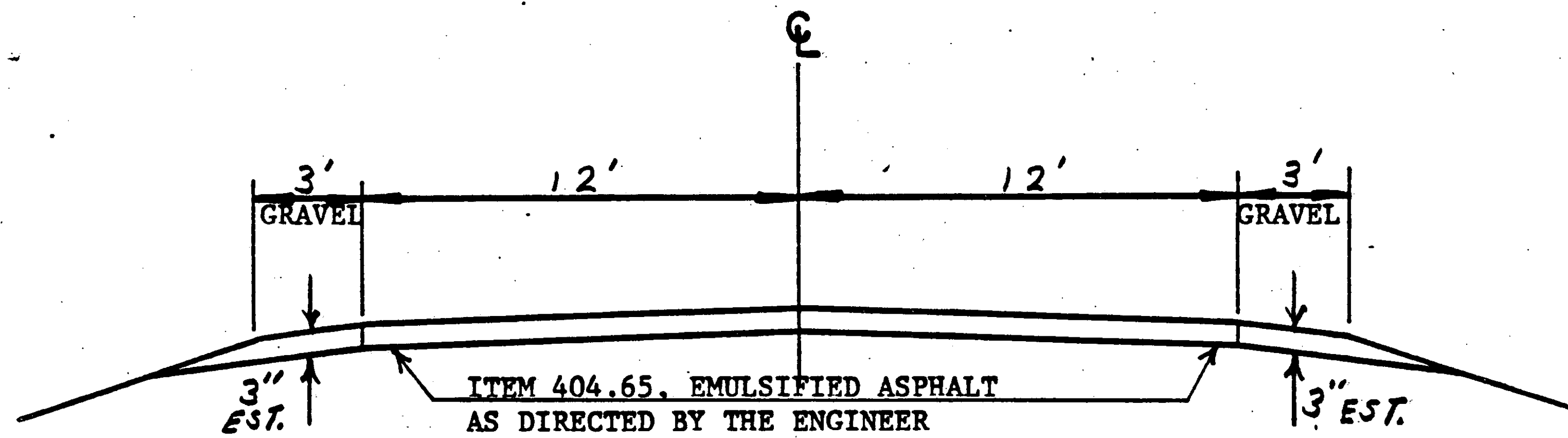
PROJECT ESSEX

NO. F-EGC-F 030-102)S

SHEET 2 OF 4 SHEETS

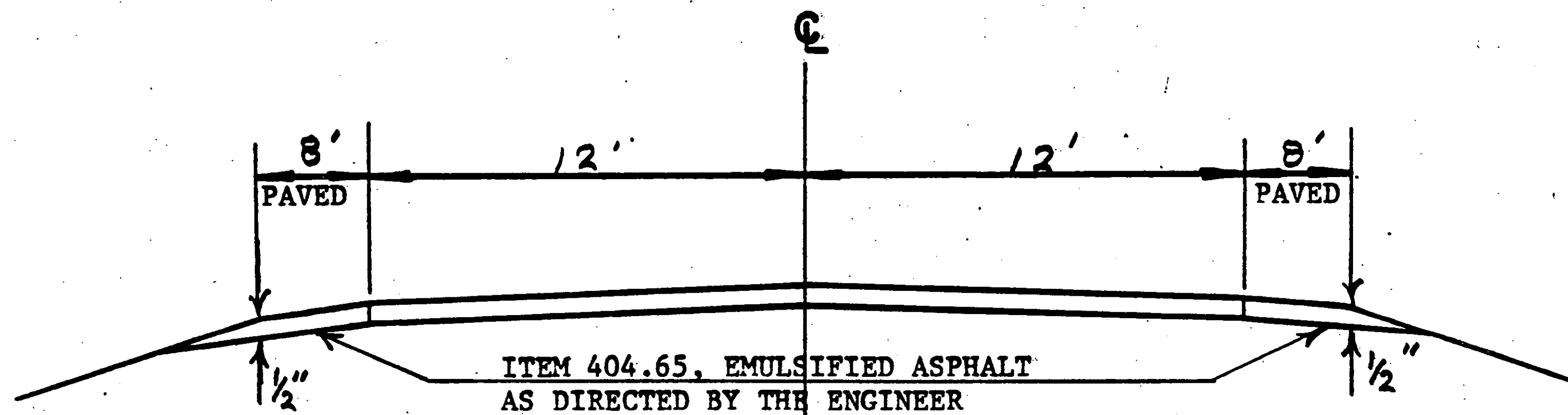
# TYPICAL SECTIONS & DESIGN DATA

WEARING COURSE 1½" BITUMINOUS CONCRETE PAVEMENT TYPE III, ITEM 406.25  
 LEVELING COURSE BITUMINOUS CONCRETE PAVEMENT TYPE III OR IV AT 300 TON/MI.\*



TYPICAL SECTION FOR M.M. 4.528 TO M.M. 5.268  
 M.M. 5.340 TO M.M. 5.416  
 M.M. 5.506 TO M.M. 5.750

WEARING COURSE 1½" BITUMINOUS CONCRETE PAVEMENT TYPE III, ITEM 406.25  
 LEVELING COURSE BITUMINOUS CONCRETE PAVEMENT TYPE III OR IV AT 300 TON/ MI.\*



TYPICAL SECTION FOR M.M. 5.416 TO M.M. 5.506

\* LEVELING COURSE BASED ON 22' WIDTH - FACTORED FOR ACTUAL WIDTH

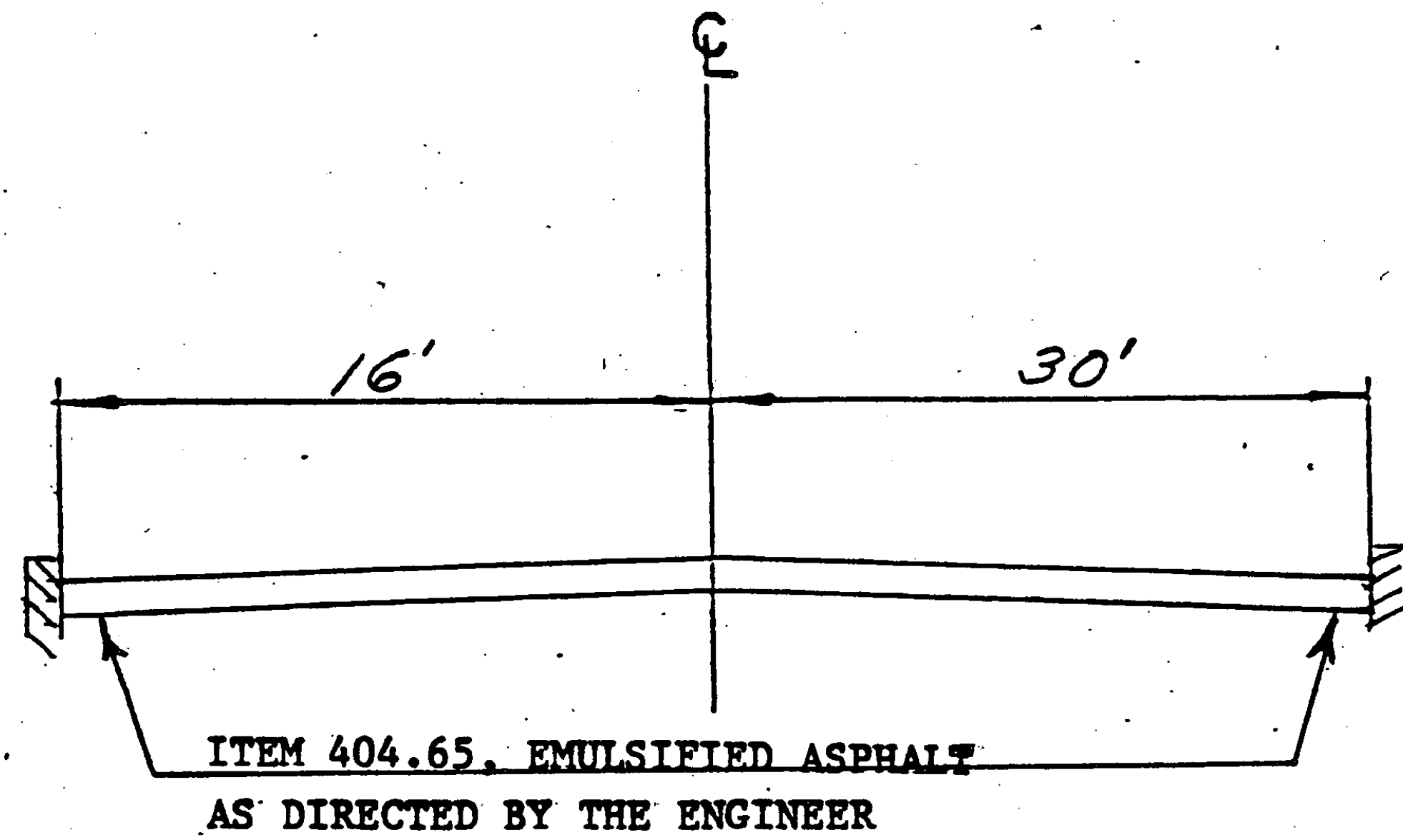
EST. 1982 ADT = 8600  
 V = 40 MPH

PROJECT ESSEX

NO. F-EGC-F 030-102)S  
 SHEET 3 OF 14

# TYPICAL SECTIONS & DESIGN DATA

WEARING COURSE 1" BITUMINOUS CONCRETE PAVEMENT TYPE III, ITEM 406.25  
NO LEVELING COURSE



TYPICAL SECTION FOR M.M. 5.268 TO M.M. 5.340

PROJECT ESSEX

NO. F-EGC-F 030-H12)S

SHEET 3-A OF 11 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION

NOTATION

TEMP. PAVT. M. FORTIFICATION  
 UNIFORMED TRAFFIC OFFICERS  
 ALL. PAPER FROM RENTAL  
 CHARGE ITEM. OR GR. DE OR TR  
 RITIMOUS CONCRETE RENTAL TYPE 1  
 CHANGE ELEM. OR GR. DE OR TR  
 RITIMOUS ASPHALT  
 GRAVEL SHOULDERS  
 EMULSIFIED ASPHALT  
 GRAVEL SHOULDERS  
 OVERLAY DEPTH  
 GRAVEL SHOULDERS  
 GRAVEL SHOULDERS  
 CONCRETE PAYMENT  
 OR TR

ITEM NUMBER	UNIT	FEET	FT	INCH	G.Y. TON	CWT	TON	EA	IIR	IIR	IIR	IIR	LS	L.F.	REMARKS
ESSEX MM 4.528 ~ MM 5.268		3907	24	1 1/2		26	242								LEVEL COURSE @ 300 TON/MI. 1 1/2" WEAR COURSE 3" GRAVEL SHOULDERS
ESSEX MM 5.268 ~ MM 5.340		381	46	1		5	0								NO LEVEL COURSE 1" WEAR COURSE
ESSEX MM 5.340 ~ MM 5.416		401	24	1 1/2		3	25								LEVEL COURSE @ 300 TON/MI. 1 1/2" WEAR COURSE 3" GRAVEL SHOULDERS
ESSEX MM 5.416 ~ MM 5.506		474	24	1 1/2		3	30								LEVEL COURSE @ 300 TON/MI. 1 1/2" WEAR COURSE 2" PAVED SHOULDERS
ESSEX MM 5.506 ~ MM 5.750		1288	24	1 1/2		9	80								LEVEL COURSE @ 300 TON/MI. 1 1/2" WEAR COURSE 3" GRAVEL SHOULDERS
DRIVES & APPROACHES															
PROJECT (ESTIMATED)															
ROUNDING															
TOTALS		6451			39	4	96	2	5	14	14			20	
					450	50	2200	10	10	15	70	70	1	23,100	
								8	10	10	56	56	1	23,080	

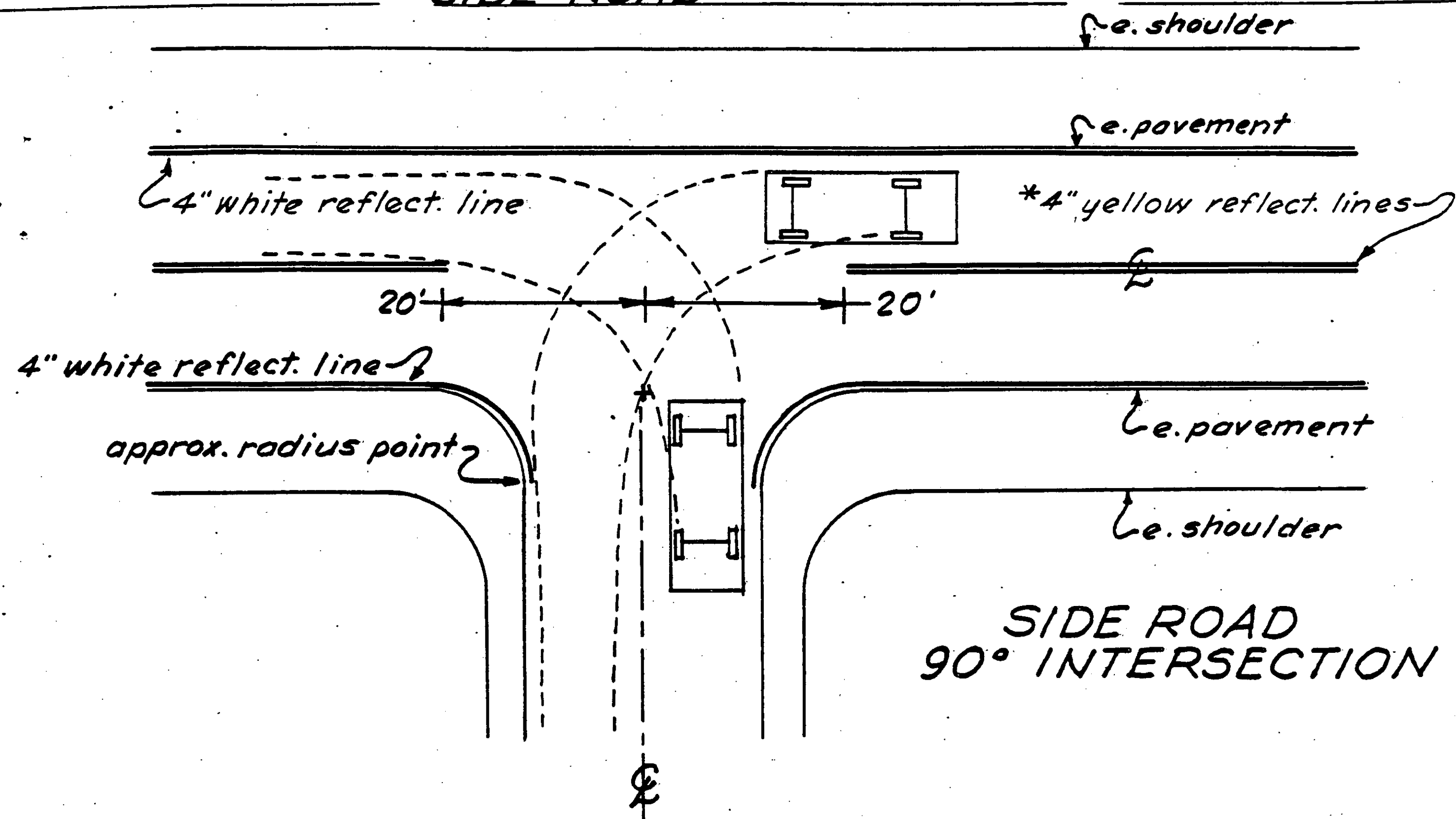
PROJECT Essex NUMBER E EGC-E 030-1025 SHEET 4 OF 14

# PROJECT LENGTHS AND ITEM QUANTITIES

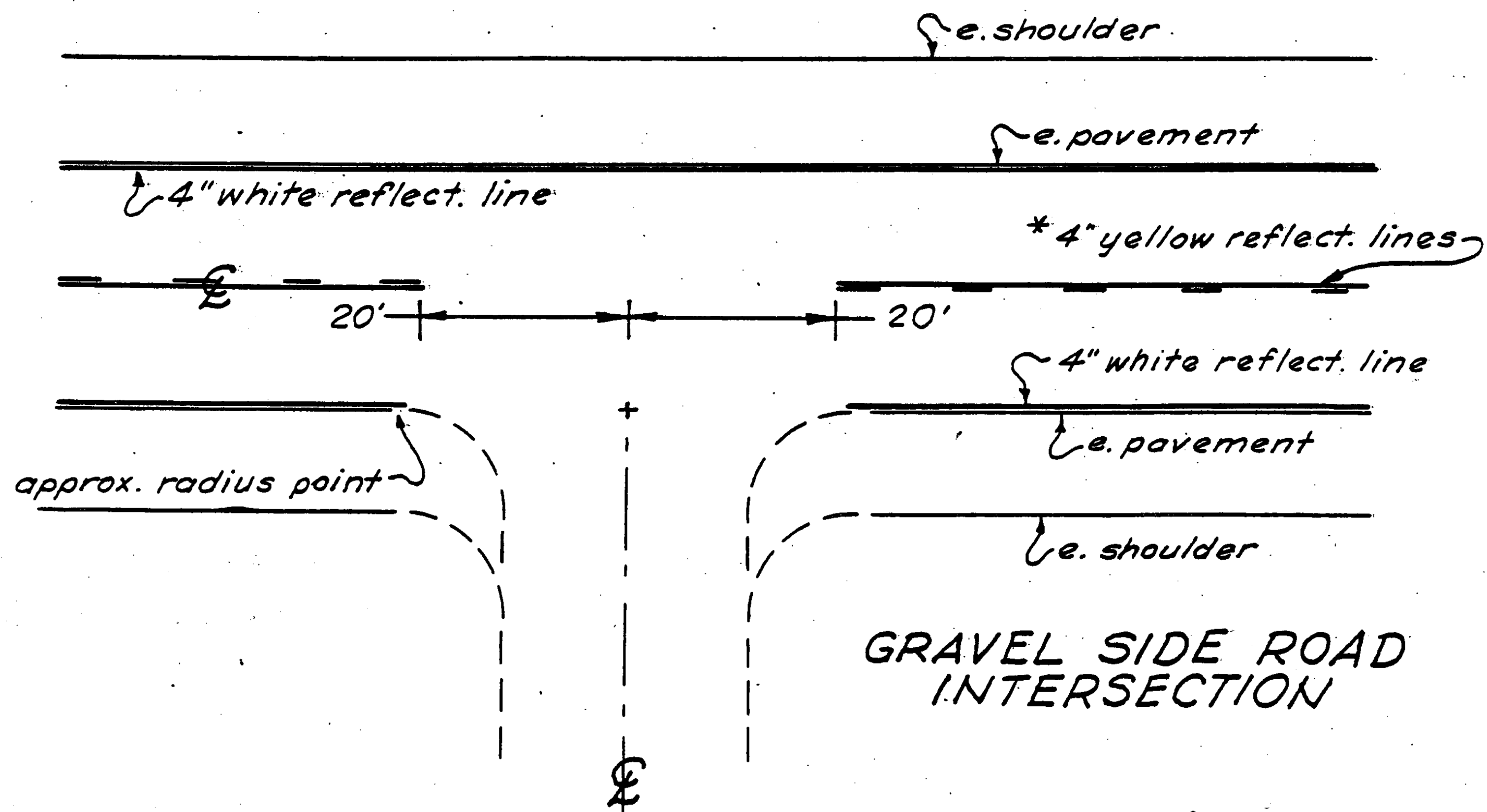
ITEM DESCRIPTION  
 ITEM NUMBER  
 UNIT  
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 L.F.  
 EA.  
 EA.  
 EA.  
 EA.  
 L.F.  
 L.S.  
 L.F.  
 ROUNDING  
 Totals

ITEM NUMBER	UNIT	FEET	FT	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	EA.	EA.	EA.	L.F.	L.S.	L.F.	REMARKS
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69700																

PROJECT ESSEX NUMBER EGGCF030-1125 SHEET 4A OF 4



\* 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.



- 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

*SHEET 6 OF 14*





