

STATE OF VERMONT AGENCY OF TRANSPORTATION

Dated JUN 26 1984

THE LANE CONSTRUCTION CORPORATION

Contractor

N.W. Lewellyn

Signature

N.W. LEWELLYN

PRESEIDENT

Title



CONTRACT PLANS

THESE PLANS DO NOT REFLECT
CHANGES MADE ON THE PROJECT.

PROPOSED IMPROVEMENT

RESURFACING PROJECT

Transportation Secretary's Signature

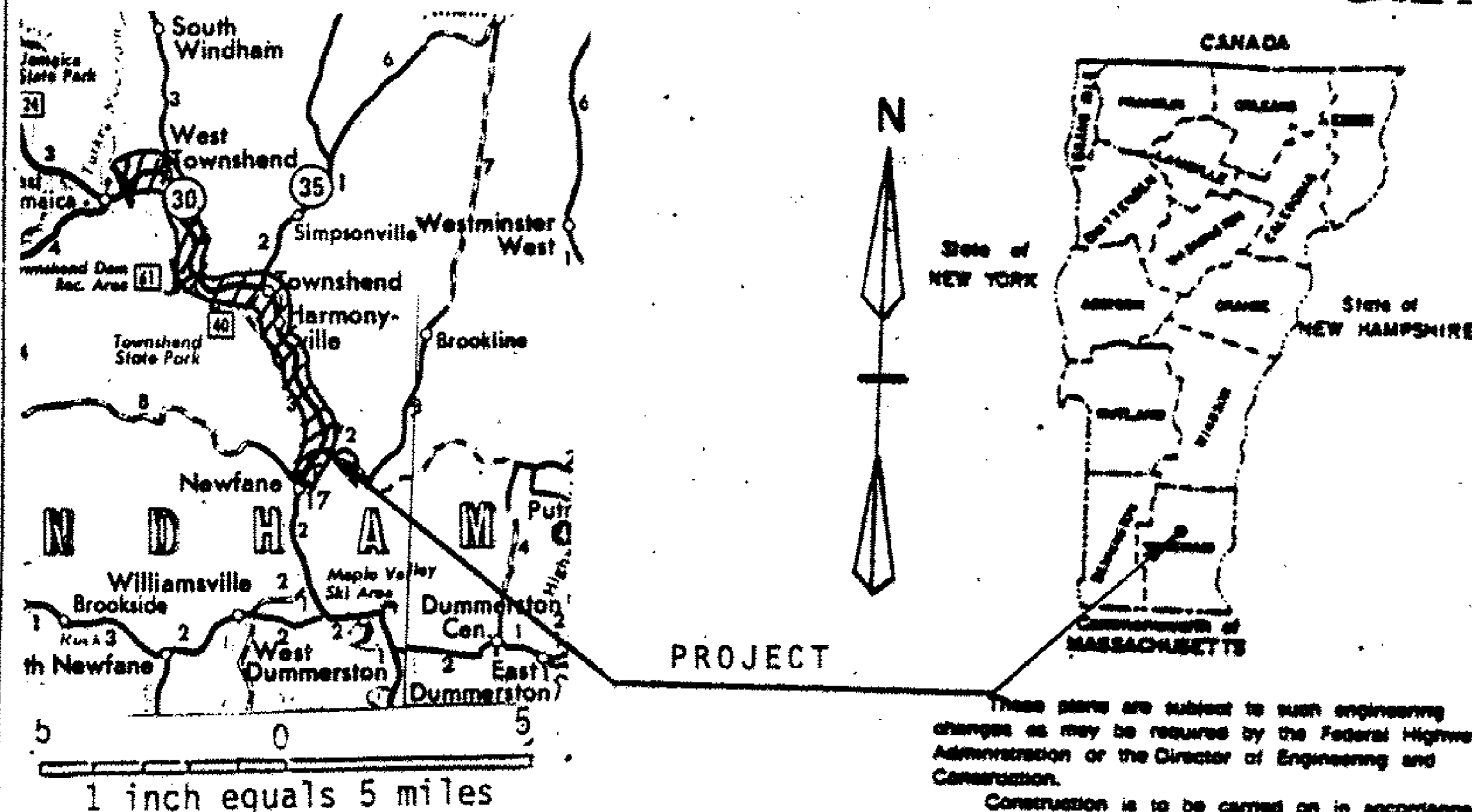
[Signature]

TOWN OF: NEWFANE-TOWNSHEND

COUNTY OF: WINDHAM

ROUTE NO: VT-30

ROUTE CLASS: FAP



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, 1978 for use on this project, including all subsequent revisions and such revised specifications and special provisions as are interspersed in these plans.

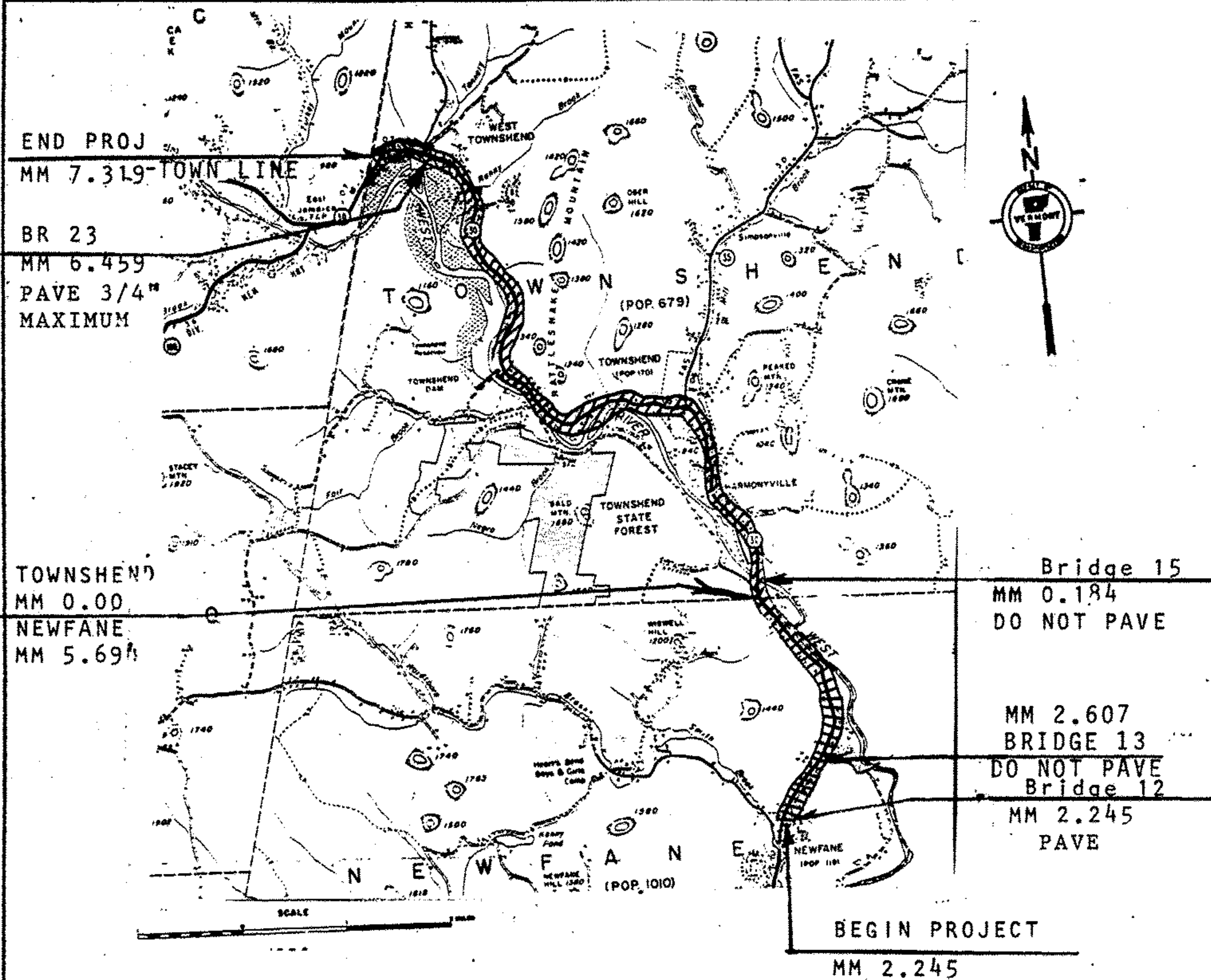
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SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD
APPROVED *[Signature]* PE, DATE MAY 7 1984
DIRECTOR OF ENGINEERING AND CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT NO. HMA 2505
SHEET 1 OF 11 SHEETS

PROJECT DESCRIPTION AND LOCATION



Bridge 15
MM 0.184
DO NOT PAVE

MM 2.607
BRIDGE 13
DO NOT PAVE

Bridge 12
MM 2.245
PAVE

ON VT 30: BEGINNING 2.24 MILES NORTHERLY OF THE DUMMERSTON-NEWFANE TOWN LINE AT MM 2.245 AND EXTENDING 10.769 MILES NORTHERLY TO MM 7.319 IN TOWNSHEND, THE TOWNSHEND-JAMAICA TOWN LINE

LENGTH OF PROJECT
10.769 MILES
56,860 FEET

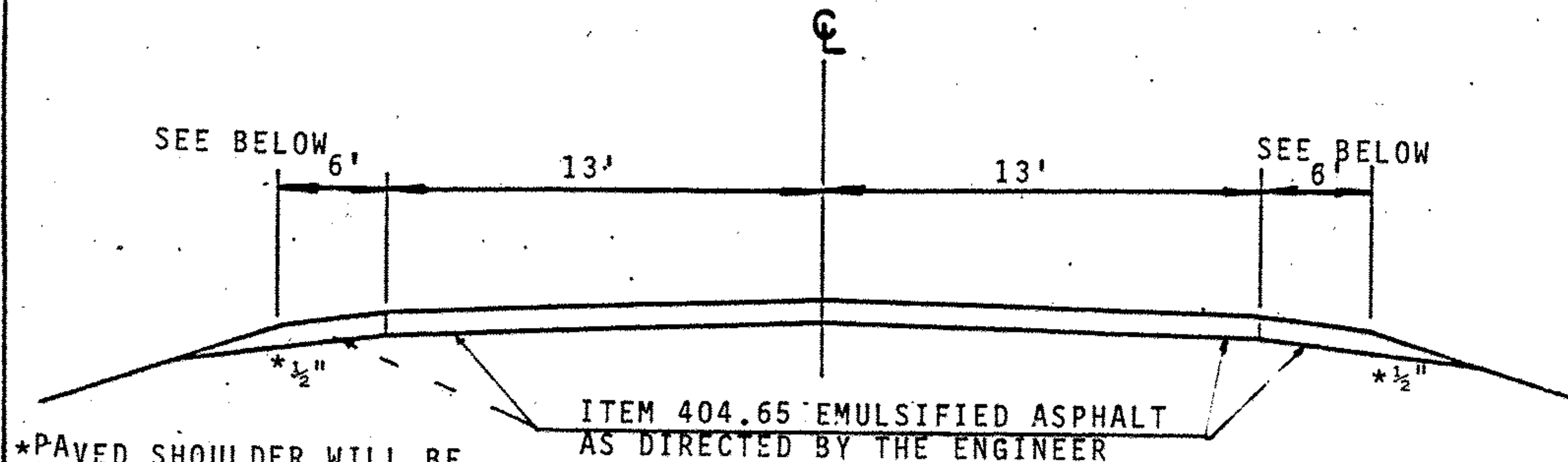
PROJECT NEWFANE - TOWNSHEND

NO. HMA 2505

SHEET 2 OF 11 SHEETS

TYPICAL SECTIONS & DESIGN DATA

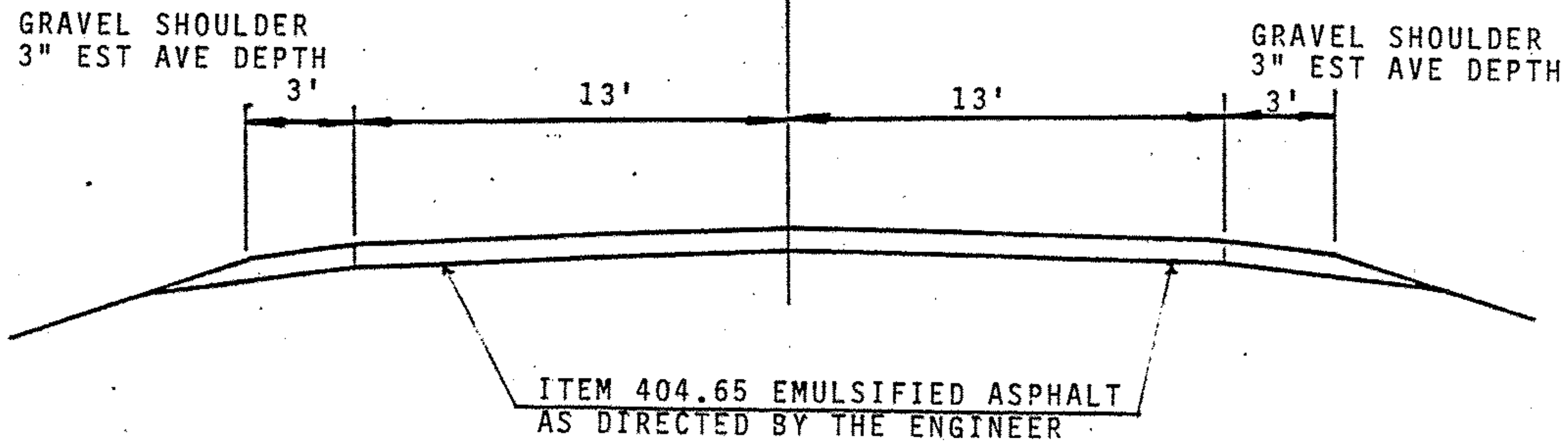
ITEM 404.65 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE, TYPE III OR IV (177 TONS/MILE)
 AS DIRECTED BY THE ENGINEER
 3/4" WEARING COURSE (+1/4") Type IV



*PAVED SHOULDER WILL BE
 TAPERED FROM FULL DEPTH
 TO 1/2".

NEWFANE MM 2.24 - MM 2.60 (GRAVEL SHOULDERS)
 MM 3.20 - MM 3.50 " "
 MM 3.70 - MM 4.00 " "
 MM 2.60 - MM 3.00 (PAVED SHOULDER)

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE, TYPE III OR IV (177 TONS/MILE)
 AS DIRECTED BY THE ENGINEER
 3/4" WEARING COURSE (+1/4") TYPE IV



NEWFANE MM 3.00 - MM 3.20
 MM 3.50 - MM 3.70
 MM 4.00 - MM 5.69
 TOWNSHEND MM 0.00 - MM 3.50
 MM 4.20 - MM 6.65

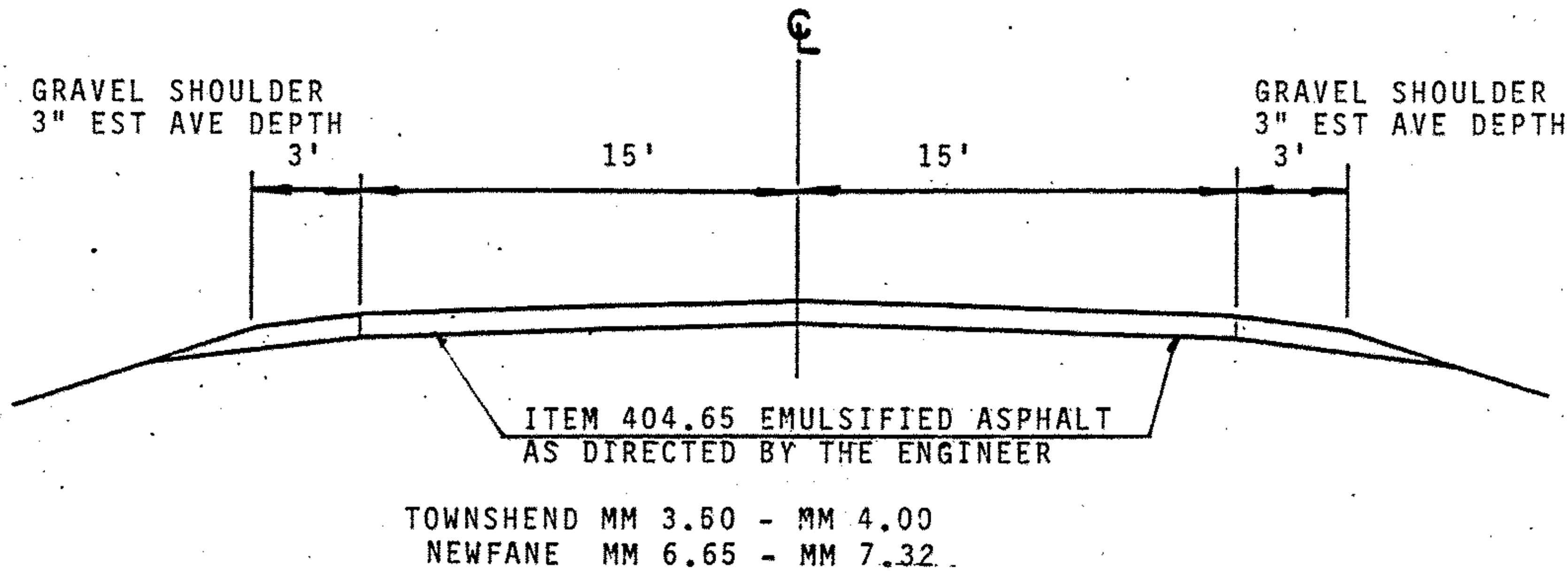
NO. HMA 2505

PROJECT NEWFANE-TOWNSHEND

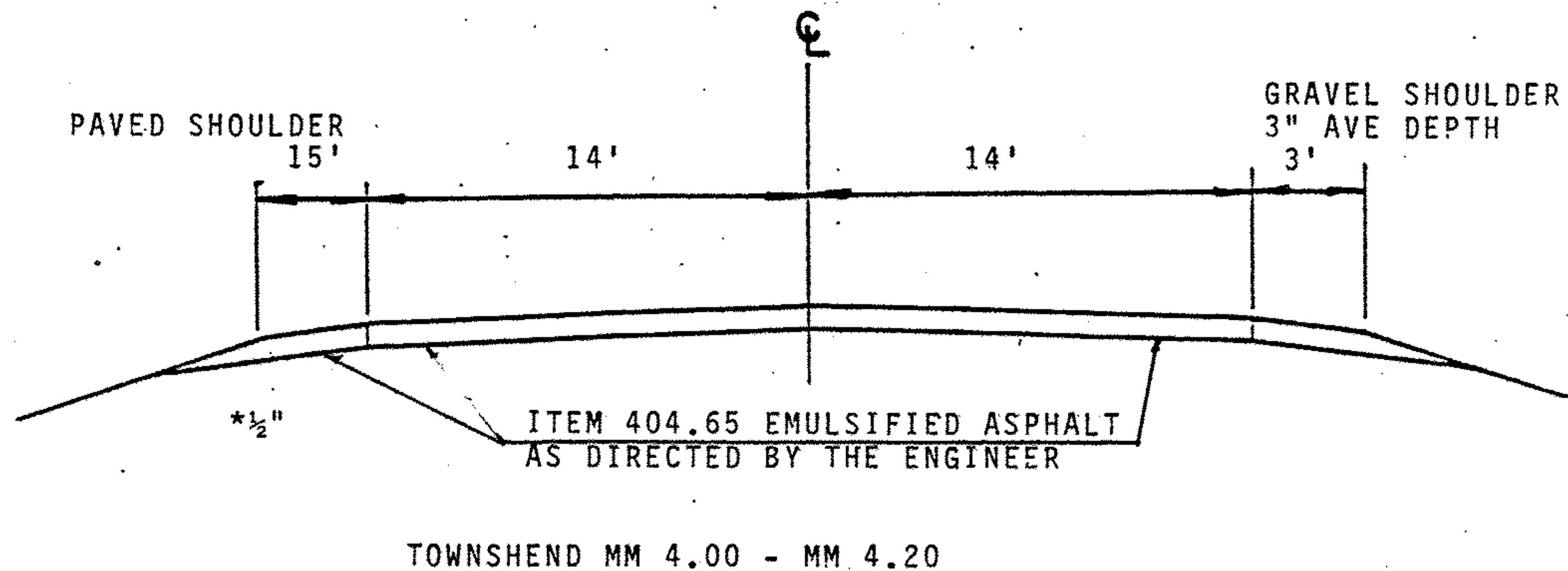
SHEET 3 OF 11 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE, TYPE III OR IV (205 TONS/MILE)
 AS DIRECTED BY THE ENGINEER
 3/4" WEARING COURSE (+1/2") TYPE IV



ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE, TYPE III OR IV (191 TONS/MILE)
 AS DIRECTED BY THE ENGINEER
 3/3" WEARING COURSE (+1/2") TYPE IV



* PAVED SHOULDER WILL BE TAPERED FROM FULL DEPTH TO 1/2"

PROJECT NEWFANE-TOWNSHEND

NO. HMA 2505

SHEET 3A OF 11 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH	WIDTH	OVERLAY DEPTH	OPTION													REMARKS											
ITEM NUMBER	402.10	402.11	404.65	406.25	604.40	608.25	608.30	630.10	630.15	635.10	646.35	646.36																
UNIT	FEET	FT	INCH	S.Y.	CY	TON	CWT	TON	EA	HR	HR	HR	HR	Ls	Lf													
LOCATION																												
Newfane MM 2.24 - 2.60	1900	26	3/4		211	349	14	229										26' wide with 6' Gravel Shoulders 150 T/M Level Factored to 177 T/M										
MM 2.60 - 3.00	2111	26	3/4				15	254										26' Wide 6' Paved Shoulders 150 T/M Level Factored to 177 T/M										
MM 3.00 - 3.20	1056	26	3/4		59	97	8	127										26' Wide with 3' Gravel Shoulders 150 T/M Level Factored to 177 T/M										
MM 3.20 - 3.50	1584	26	3/4		176	290	12	191										26' Wide with 6' Gravel Shoulders 150 T/M Level Factored to 177 T/M										
MM 3.50 - 3.70	1056	26	3/4		59	97	8	127										26' Wide with 3' Gravel Shoulders 150 T/M Level Factored to 177 T/M										
SUB-TOTAL	7707				505	833	64	1305																				

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	ITEM QUANTITIES																REMARKS		
	LENGTH	WIDTH	OVERLAY DEPTH	OPTION	GRAVEL SHOULDERS	GRAVEL SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS CONCRETE PAVEMENT	CHANGE ELEV. OF CB, DL, OR 'M	ALL PURPOSE EXC. RENTAL, TYPE I	POWER BROOM RENTAL	ENFORCED TRAFFIC OFFICERS	FLICPERSONS	MOBILIZATION	TEMPORARY PAVEMENT MARKING- White	TEMPORARY PAVEMENT MARKING- Yellow			
ITEM NUMBER	402.10	402.11	404.65	406.25	604.40	608.25	608.30	630.10	630.15	635.10	646.35	646.36					REMARKS		
UNIT	FEET	FT	INCH	S.Y.	CY	TON	CVT	TON	EA	HR	HR	HR	HR	LS	LF				
Sub-total from previous sheet	40388				2379	3925	310	6485											
Townshend MM 4.20 - 6.65	12935	26	3/4		719	1186	94	1557										26' Wide with 3' Gravel Shoulders 150 T/M Level Factored to 177 T/M	
MM 6.65 - 7.32	3537	30	3/4		197	324	30	491										30' Wide with 3' Gravel Shoulders 150 T/M Level Factored to 205 T/M	
Project Estimate					100	165	10	350	1	15	86	238	238	1	113720	156428			
Rounding					5	-	6	46	-	5	4	2	2	-	280	72			
Proj. TOTAL	56860				3400	5600	450	9500	1	20	90	240	240	1	114000	156500			

TEMPORARY 4" REFLECTORIZED YELLOW LINE

MILE	MILE	LT	RT	DURABLE PAVEMENT MARKING		LETTERS IN WORD MARKING	TOTAL
				LT	RT		
2.245	3.43	SOLID	SOLID				12,514.
2.665		SPECIAL MARKING			SCHOOL	6 ea.	
2.79		SPECIAL MARKING			CROSS WALK	28 LF	
2.92		SPECIAL MARKING		SCHOOL		6 ea.	
3.43	3.56	SOLID	DASH				858.
3.56	3.81	SOLID	SOLID	NOTE: DUE TO INACCURACY OF			2640.
3.81	3.94	DASH	SOLID	MM STATIONS ON PHOTO LOG THE			858.
3.94	4.80	SOLID	SOLID	RESIDENT SHALL VERIFY THE			9081.
4.80	4.92	SOLID	DASH	LOCATION OF ALL PAVEMENT			792.
4.92	4.96	SOLID	SOLID	MARKINGS IN THE FIELD			422.
4.96	5.08	DASH	SOLID				792.
5.08	5.19	SOLID	SOLID				1162.
5.19	5.35	SOLID	DASH				1056.
5.35	5.53	SOLID	SOLID				1901.
5.53	5.66	SOLID	DASH				858.
5.66	5.70	SOLID	SOLID				422.
TOWNLINE							
0.00	0.18	SOLID	SOLID				1901.
0.18	0.36	SOLID	DASH				1188.
0.36	0.55	SOLID	SOLID				2006.
0.55	0.70	SOLID	DASH				990.
0.70	0.83	DASH	SOLID				858.
1.95	RT	SPECIAL MARKING			SCHOOL	6 ea.	
2.10	RT	SPECIAL MARKING			SCHOOL	6 ea.	
2.12	LT-RT	SPECIAL MARKING			CROSS WALK	28 LF	
0.83	2.96	SOLID	SOLID				22,493.
2.96	3.09	SOLID	DASH				858.
3.09	3.11	DASH	DASH				26.
3.11	3.26	DASH	SOLID				990.
2.24	LT	SPECIAL MARKING		SCHOOL		6 ea.	
3.26	3.63	SOLID	SOLID				3907.
3.63	3.77	SOLID	DASH				924.
3.77	3.80	SOLID	SOLID				317.
3.80	3.94	DASH	SOLID				924.
3.94	4.34	SOLID	SOLID				4224.
4.34	4.47	SOLID	DASH				858.
4.47	4.51	SOLID	SOLID				422.
4.51	4.68	DASH	SOLID				1122.
4.68	6.04	SOLID	SOLID				14,362.
6.04	6.24	SOLID	DASH				1,320.
6.24	7.28	SOLID	SOLID				10,982.
7.28	7.319	SOLID	DASH				257.
ALTHOUGH NOT SHOWN, THE ♀ SHALL BE				ASSUME 50% LOST DURING SHIMMING			104,285.
BROKEN AT ALL INTERSECTING TOWN-HIGHWAYS				104,285 X 150% = 156,428 LF			
AS SHOWN ON DETAIL SHEET							
TEMPORARY 4" REFLECTORIZED WHITE LINE							
DURABLE CROSSWALK MARKING WITH DIAGONAL LINES =						52 LF	
DURABLE LETTERS IN WORD MARKING - TOTAL =						30 EA	
4" WHITE - PROJ LENGTH X 2							
56,860 X 2 = 113,720 LF							
SHEET 8 OF 11							

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.

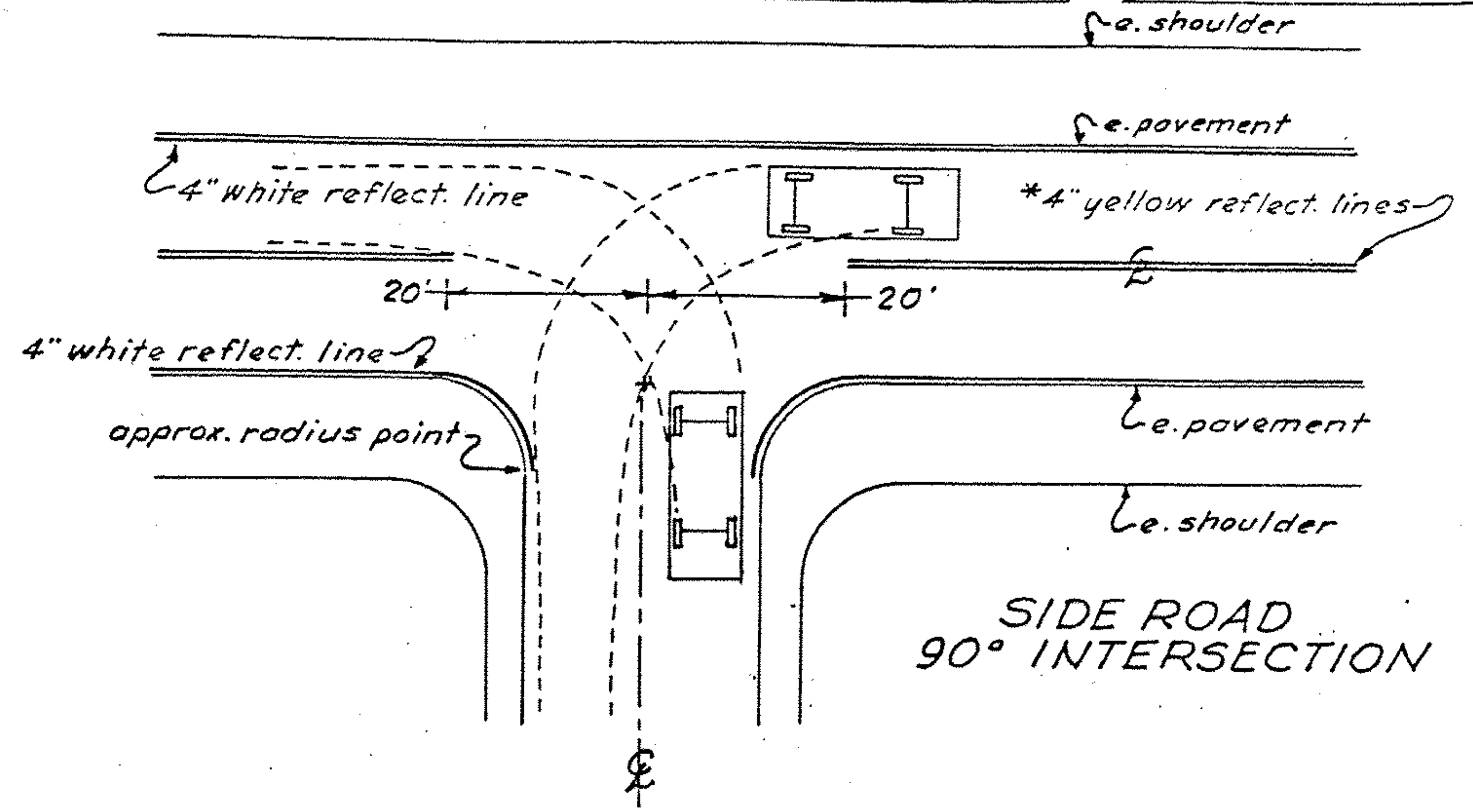
DASHED LINE

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.

