

INDEX OF SHEETS  
SEE SHEET 2

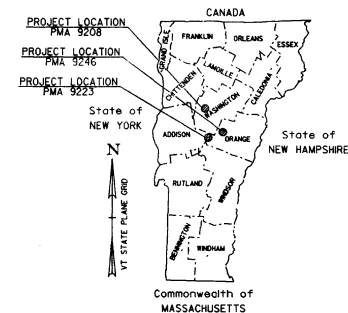
# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT

# TOWNS OF MORETOWN, BRAINTREE, GRANVILLE, AND BROOKFIELD COUNTIES OF WASHINGTON, ORANGE, ADDISON

**RECORD PLANS**  
**CONTRACTOR** PIKE INDUSTRIES, INC.  
 TILTON, NH  
**RESIDENT ENGINEER** Robert J. Kear  
**CONSTRUCTION BEGAN** 8-22-91  
**CONSTRUCTION COMPLETED** 8-27-91  
**RECORD PLANS BY** R.P. Russell  
 I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.  
 By *Robert J. Kear* Resident Engineer  
 Date 1-22-93  
 NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found on microfilm in Central Files.



MORETOWN PMA 9208  
VT. ROUTE 100B (F.A.S.)

BEGINNING IN MORETOWN AT THE INTERSECTION OF VT. 100 AND VT. 100B, MILE MARKER 0.000, AND EXTENDING NORTHERLY ALONG VT. ROUTE 100B FOR A DISTANCE OF 1.173 MILES TO MILE MARKER 1.173.

LENGTH OF ROADWAY 6193.44 FEET = 1.173 MILES  
 LENGTH OF PROJECT 6193.44 FEET = 1.173 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RESURFACING OF THE EXISTING HIGHWAY WITH A LEVELING COURSE, WEARING COURSE AND NEW PAVEMENT MARKINGS.

BRAINTREE - GRANVILLE PMA 9223  
VT. ROUTE 12A (F.A.S.)

BEGINNING IN BRAINTREE AT A POINT APPROXIMATELY 5.817 MILES FROM THE RANDOLPH/BRAINTREE TOWN LINE, AND EXTENDING NORTHERLY ALONG VT. ROUTE 12A FOR A DISTANCE OF 3.690 MILES TO MILE MARKER 1.687 IN GRANVILLE.

LENGTH OF ROADWAY 19483.20 FEET = 3.690 MILES  
 LENGTH OF PROJECT 19483.20 FEET = 3.690 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RESURFACING OF THE EXISTING HIGHWAY WITH A LEVELING COURSE, WEARING COURSE AND NEW PAVEMENT MARKINGS.

BROOKFIELD PMA 9246  
VT. ROUTE 65

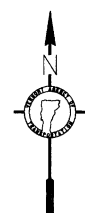
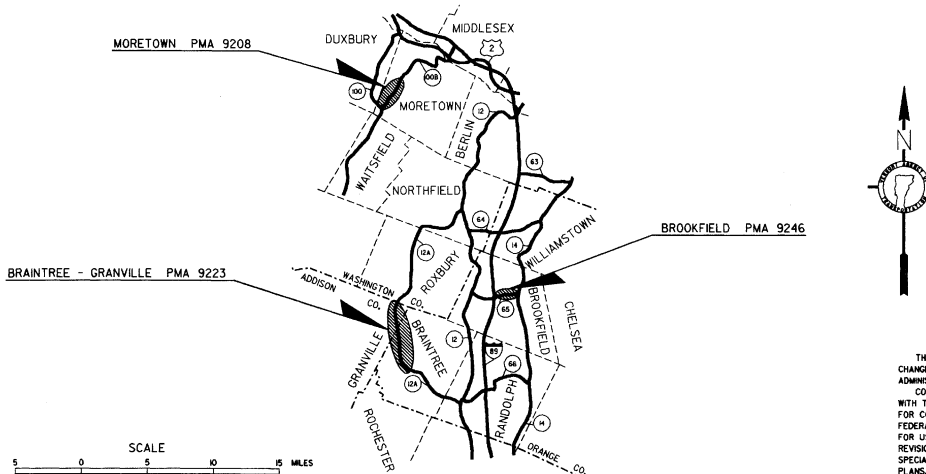
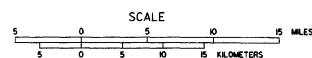
BEGINNING IN BROOKFIELD AT A POINT APPROXIMATELY 2.009 MILES WESTERLY OF THE VT. 14 / VT. 65 INTERSECTION, MILE MARKER 3.213, AND EXTENDING EASTERLY ALONG VT. ROUTE 65 FOR A DISTANCE OF 2.009 MILES TO MILE MARKER 5.222, THE INTERSECTION OF VT. 14 / VT. 65.

LENGTH OF ROADWAY 10607.52 FEET = 2.009 MILES  
 LENGTH OF PROJECT 10607.52 FEET = 2.009 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RESURFACING OF THE EXISTING HIGHWAY WITH A LEVELING COURSE, WEARING COURSE AND NEW PAVEMENT MARKINGS.

CONVENTIONAL SIGNS	
COUNTY LINE	---
TOWN LINE	- - - -
LIMITS OF ACCESS	—○—
POINT OF ACCESS	X
FENCE LINE	-x-x-
STONE WALL	○○○○○○○○○○
TRAVELED WAY	—+—+—+—
GUARD RAIL	—△△△△△△—
RAILROAD	—+—+—+—+—
SURVEY LINE	—+—+—+—
CULVERT	—+—+—+—
POWER POLE	◇
TELEPHONE POLE	◇
TREES	● * *
CONTROL OF ACCESS	///
PROPERTY LINE	—+—+—+—
R.O.W. TAKING LINE	—SR—
SLOPE RIGHTS	—△△△△—
TOP OF CUT	—△△△△—
TOE OF SLOPE	—○—○—○—

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A



SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD  
 APPROVED *Scott S. McCall* DATE 1/18/93  
 DIRECTOR OF PLANNING & PRECONSTRUCTION  
 DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
 DIVISION ADMINISTRATOR  
 PROJECT PMA 9208 - PMA 9223  
 PMA 9246  
 SHEET 1 OF SHEETS

1533AIT.PRF

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BRAINTREE - GRANVILLE PMA 9223

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BROOKFIELD PMA 9246

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STANDARDS

- |        |  |            |
|--------|--|------------|
| E-100  | CONSTRUCTION APPROACH SIGNS                                | 05-26-89 R |
| E-101  | CONSTRUCTION SIGN DETAILS                                  | 10-30-87   |
| E-102  | CONSTRUCTION SIGN DETAILS                                  | 01-23-89 R |
| E-106  | TRAFFIC CONTROL - MISCELLANEOUS DETAILS                    | 01-23-89 R |
| E-107  | DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS | 04-29-88 R |
| E-107A | BREAKAWAY BARRICADE DETAILS                                | 09-10-87   |
| E-110  | MAJOR MAINTENANCE OPERATION LANE CLOSURE                   | 03-01-88 R |
| E-191  | PAVEMENT MARKING DETAILS                                   | 01-23-89 R |

DATUM	_____
VERTICAL	N/A
HORIZONTAL	N/A

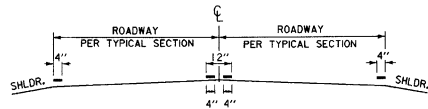
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DRAWN BY	LASKOWSKI	DATE	01-91
SQUAD LEADER	_____	DATE	_____
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PRF FILE	1533A\PRF	DATE PLOTTED	_____
PROJ. NAME	PMA 9208 - PMA 9223		
PROJ. NO.	PMA 9246		
SHEET	2	OF	SHEETS

# QUANTITY SHEET

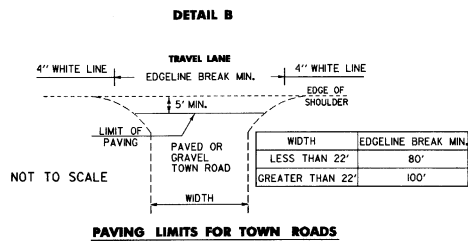
**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

MORETOWN PMA 9208		BRAINTREE - GRANVILLE PMA 9223		BROOKFIELD PMA 9246		APPROXIMATE SUMMARY OF QUANTITIES					DETAILED SUMMARY OF QUANTITIES					
	ROADWAY	TOTAL		ROADWAY	TOTAL		ROADWAY	TOTAL	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING	QUANTITIES	UNIT	ITEMS
	441.0	441.0		31.0	31.0		233	233	4953	SY	COLD PLANING-BIT. PAVEMENT	210.10				
	85	85		550	550		405	405	1040	TON	AGGREGATE SHOULDERS	402.12				
	19	19		60	60		35	35	114	CWT	EMULSIFIED ASPHALT	404.65				
	1500	1500		5200	5200		4100	4100	10800	TON	BITUMINOUS CONCRETE PAVEMENT	406.25				
	2	2							2	GAL	JOINT SEALER, HOT POURED	524.10				
	12	12					12	12	24	EA	CHANGE ELEVATION OF DI, CB, OR MH	604.40				
	10	10		10	10		50	50	70	HR	POWER GRADER RENTAL	608.15	EST.			
	10	10		10	10		50	50	70	HR	ALL PURP. EXCAVATOR RENTAL, TYPE I	608.25	EST.			
	9	9		10	10		16	16	35	HR	POWER BROOM RENTAL	608.30	EST.			
	10	10		10	10		50	50	70	HR	TRUCK RENTAL	608.37	EST.			
	10	10		10	10		50	50	70	HR	LOADER RENTAL TYPE I	608.40	EST.			
	125	125		450	450		350	350	925	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.			
	150	150		550	550		420	420	1120	HR	FLAGGERS	630.15	EST.			
	0.2	0.2		0.5	0.5		0.3	0.3	1	LS	TESTING EQUIPMENT-BITUMINOUS	631.17	EST.			
	0.2	0.2		0.5	0.5		0.3	0.3	1	LS	MOBILIZATION	635.10	EST.			
	12270	12270		38700	38700		21095	21095	72065	LF	4" WHITE LINE	646.20				
	12150	12150		35244	35244		20226	20226	67620	LF	4" YELLOW LINE	646.21				
				130	130		300	300	430	LF	DURABLE 4" WHITE LINE	646.40				
				24	24		41	41	65	LF	DURABLE 24" STOP BAR	646.46				
	12	12		12	12		17	17	41	EA	DURABLE LETTER OR SYMBOL	646.50				
	26	26							26	LF	DURABLE CROSSWALK W/DIAGONAL LINES	646.51				
	12150	12150		35244	35244		20086	20086	67480	LF	TEMPORARY 4" YELLOW LINE	646.61				
							17	17	17	LF	TEMPORARY 24" STOP BAR	646.66				
	12	12		12	12				24	EA	TEMPORARY LETTER OR SYMBOL	646.70				
	26	26							26	LF	TEMPORARY CROSSWALK W/DIAGONAL LINES	646.71				
	10	10		10	10		10	10	30	CY	TOPSOIL	651.35				

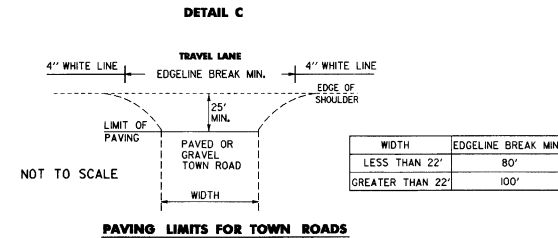
DESIGN FILE NO. 130.201533ALDGN DRAWN BY LASKOWSKI  
 PRF 1533AIGS.PRF SQUAD LEADER \_\_\_\_\_  
 FILE \_\_\_\_\_ DATE PLOTTED 13-MAR-1991  
 PROJ. NAME MORETOWN, BRAINTREE - GRANVILLE, BROOKFIELD  
 PROJ. NO. PMA 9208, PMA 9223, PMA 9246  
SHEET 3 OF SHEETS



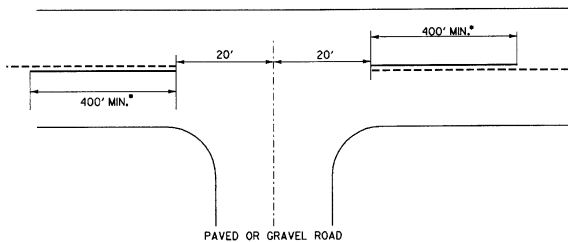
**PAVEMENT MARKING PLACEMENT DETAIL**



**PAVING LIMITS FOR TOWN ROADS**



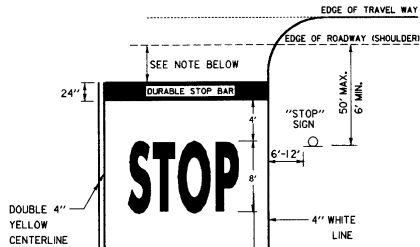
**PAVING LIMITS FOR TOWN ROADS**



A SOLID LINE IN THE DIRECTION OF TRAVEL IS BEGUN AT A LOCATION 400 FEET IN ADVANCE OF THE INTERSECTION. THE DISTANCE IS MEASURED FROM A POINT 20 FEET IN ADVANCE OF THE CENTERLINE OF THE INTERSECTING ROADWAY.

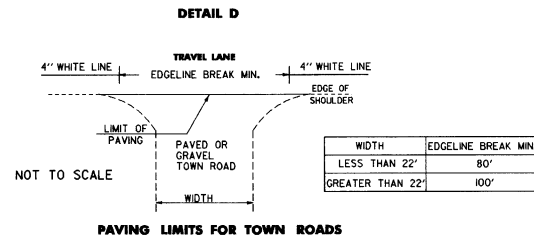
- CENTERLINE TREATMENT SHALL CONSIST OF A MINIMUM OF 400 FEET OF SOLID LINE IN ADVANCE OF THE INTERSECTION AND SHALL BE PAIRED WITH EITHER A SOLID OR DASHED LINE DEPENDING ON SIGHT DISTANCE AVAILABILITY IN THE OPPOSING LANE.

**APPROACH TO A SIDE ROAD INTERSECTION**

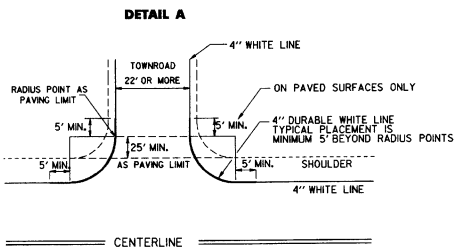


THE "DESIRED STOPPING POINT" IS THE LOCATION BASED ON SITE CONDITIONS THAT BEST ALLOWS THE STOPPED VEHICLE TO VIEW THE APPROACHING TRAFFIC, IN NO CASE MORE THAN 30 FEET OR LESS THAN 4 FEET FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY.

**PAVEMENT MARKING DETAILS**

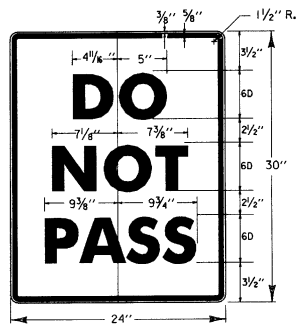


**PAVING LIMITS FOR TOWN ROADS**

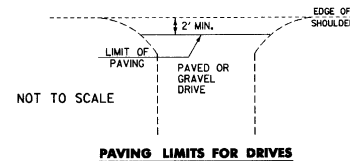


NOTE: EDGELINE RADIUS WILL BE 35' UNLESS OTHERWISE NOTED ON THE LAYOUTS.

**DURABLE EDGELINE RADIUS LAYOUT TYPICAL AND PAVING LIMITS FOR TOWN ROADS**



LEGEND - BLACK (NON-REFL.)  
BACKGROUND - ORANGE (ENCAPSULATED LENS)



**PAVING LIMITS FOR DRIVES**

PMADET.PRF	
SURVEYED BY	DATE
DRAWN BY	DATE 03/90
SQUAD LEADER	
DESIGN FILE NO. PMADET.DGN	DATE 1-MAR-99
PROJ. NAME PMA 9208 - PMA 9223	PLOTTED
PROJ. NO. - PMA 9246	
SHEET 4 OF	SHEETS

**PAVEMENT MARKING & SIGN DETAIL SHEET**







# PAVEMENT MARKINGS

4" YELLOW LINE  
MM 0.000 ~ 1.173 SOLID LT. & RT.  
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4" YELLOW LINE  
MM 0.000 ~ 1.173 SOLID LT. & RT.  
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

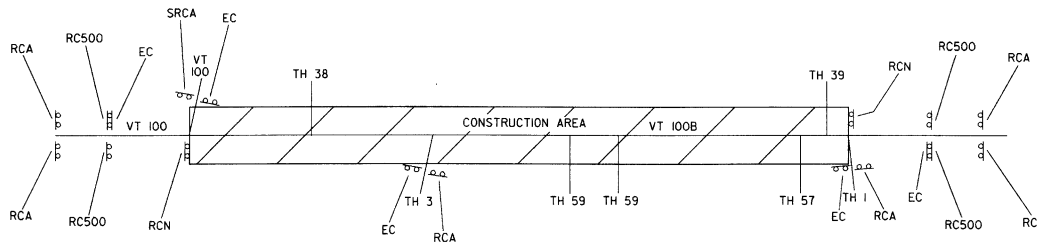
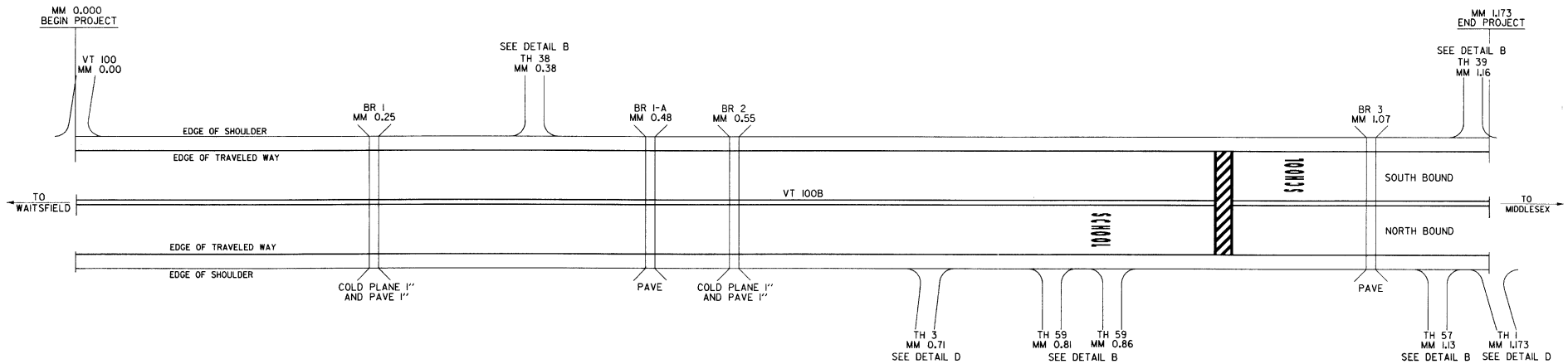
4" WHITE LINE  
MM 0.000 ~ 1.173 LT. & RT.  
(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

DURABLE CROSS WALK MARKING W/DIA. LINES  
MM 0.96

TEMPORARY CROSS WALK MARKING W/DIA. LINES  
MM 0.96

DURABLE LETTER OR SYMBOL  
MM 0.85 RT. "SCHOOL"  
MM 1.01 LT. "SCHOOL"

TEMPORARY LETTER OR SYMBOL  
MM 0.85 RT. "SCHOOL"  
MM 1.01 LT. "SCHOOL"



NOTE: FOR DETAILS A, B, C AND D, SEE PAVEMENT MARKING AND SIGN DETAIL SHEET.

**LEGEND**

- RCA = ROAD CONSTRUCTION AHEAD
- RC500 = ROAD CONSTRUCTION 500'
- EC = END CONSTRUCTION
- RCN = ROAD CONSTRUCTION NEXT
- SRCA = SIDE ROAD CONSTRUCTION AHEAD

**CONSTRUCTION SIGNING**  
SEE STD. E-100 FOR SIGN PLACEMENT.

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

SURVEYED BY	DATE
DRAWN BY	DATE II-90
SQUAD LEADER	
DESIGN FILE NO. ZHI030.01633A.DGN	
PRF FILE I533APMS.PRF	DATE PLOTTED 13-MAR-1991
PROJ. NAME MORETOWN	
PROJ. NO. PMA 9208	
SHEET 104 OF	SHEETS

NOT TO SCALE

Moretown/Brantree-Cranville/Brookfield

1991

PMA 9208/PMA 9223/PMA 9246

1991