

STATE OF VERMONT

AGENCY OF TRANSPORTATION

Date

JAN 25 1988

F.W. Whitcomb CONSTRUCTION CORPORATION
Contractor

[Signature]

Signature

President

Title

[Signature]
Transportation Secretary's Signature

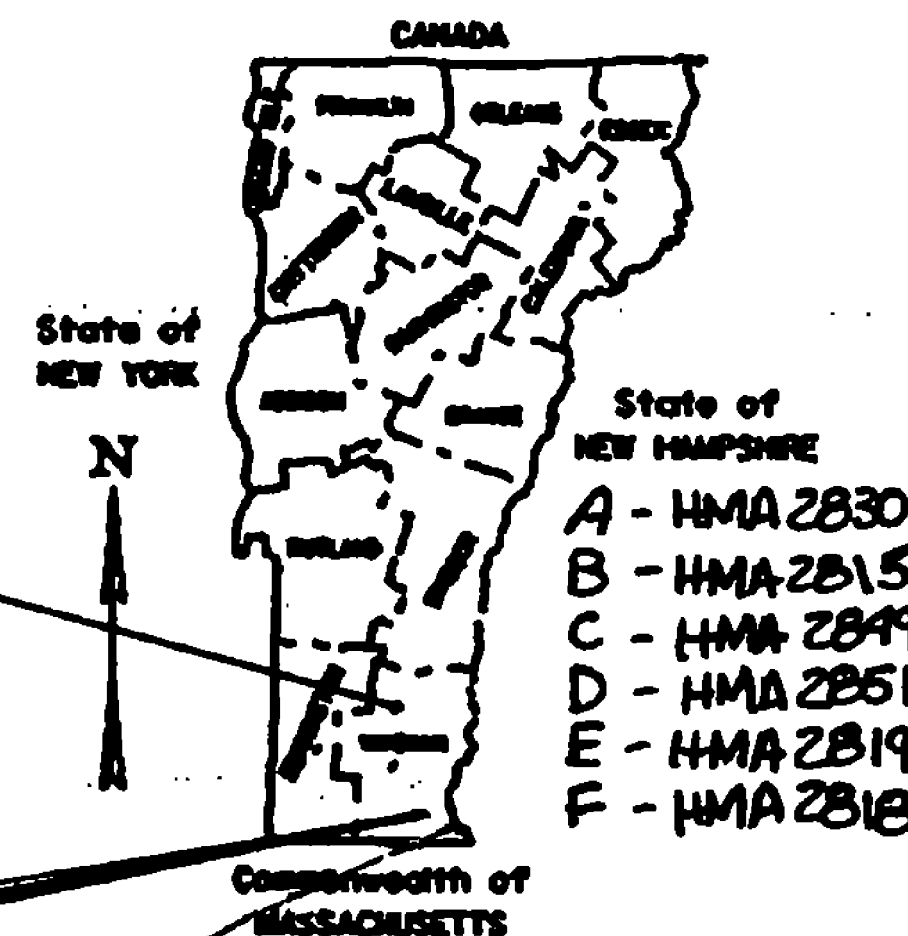
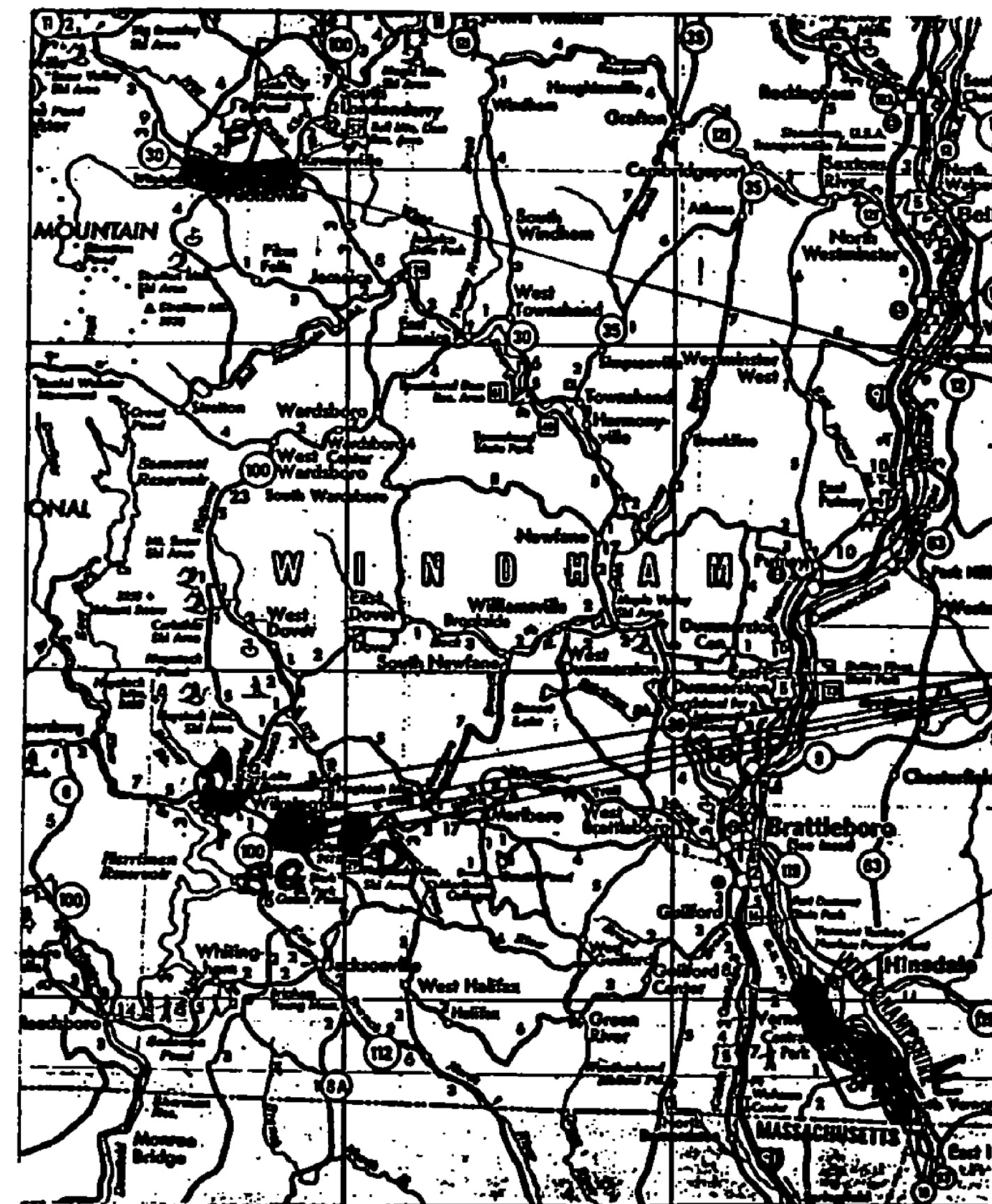
PROPOSED IMPROVEMENT

TOWN OF JAMAICA, MARLBORO, VERNON, WILMINGTON,
WINHALL

COUNTY OF BENNINGTON, WINDHAM

ROUTE NO. VT. RTS. 9, 30, & 142

ROUTE CLASS (F.A.P.-VT. 9, 30) (F.A.S.-VT. 142)



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1986, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 3, 1985 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 David B. Kelly DATE 8/25/87
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA # DIST. #2 PAVING

SHEET 1 OF 64 SHEETS

FOR INDEX OF SHEETS, SEE SHEET 2

INDEX OF SHEETS

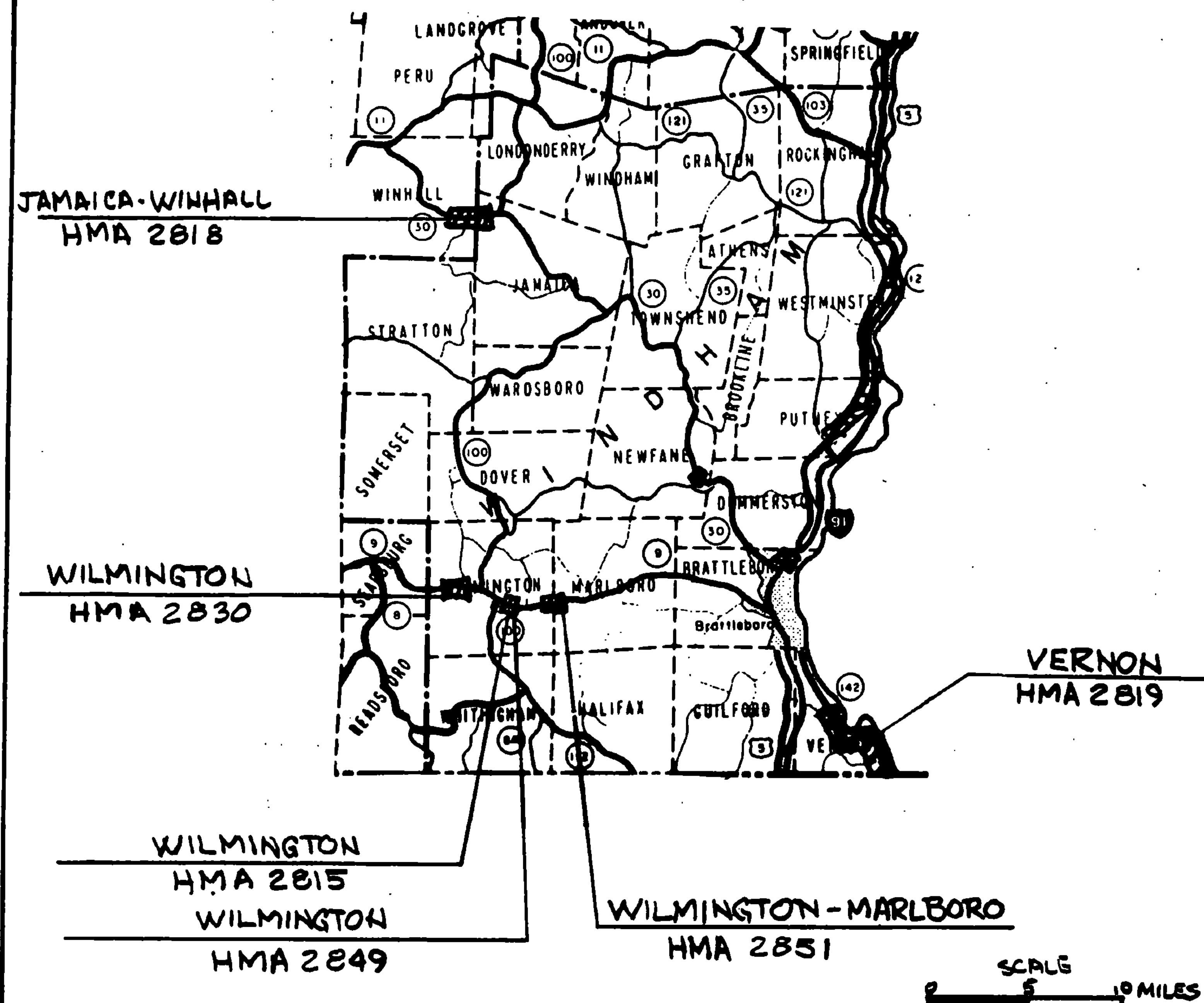
1. COMPOSITE TITLE SHEET
2. COMPOSITE INDEX OF SHEETS
3. COMPOSITE PROJECT LOCATION SHEET
- 4.5 COMPOSITE PROJECT QUANTITY SHEETS
6. PAVING LIMITS FOR TOWN ROADS & DRIVES
7. MARKINGS AT INTERSECTING SIDE ROADS
8. GUIDELINES FOR MINIMUM INTERIM PAVEMENT MARKINGS IN CONSTRUCTION ZONES
- 9.-18. PROJECT JAMAICA-WINHALL HMA 2818
19. BLANK
- 20.-29. PROJECT VERNON HMA 2819
- 30.-36. PROJECT WILMINGTON HMA 2830
- 37.-42. PROJECT WILMINGTON HMA 2815
- 43.-49. PROJECT WILMINGTON HMA 2849
- 50.-57. PROJECT WILMINGTON-MARLBORO HMA 2851
58. E-2 ROAD CONSTRUCTION APPROACH SIGNS
59. E-6 ON-PROJECT CONSTRUCTION SIGNS
60. E-7 DELINEATION AND BARRICADES FOR CONSTRUCTION
61. E-7A BARRICADE DETAILS - BREAK AWAY
62. E-8 TYPICAL MAJOR MAINTENANCE OPERATION
63. E-45 RAILROAD CROSSING STANDARD
64. E-50 PAVEMENT MARKING DETAILS

PROJECT 1987 DISTRICT 2 PAVING

NO. HMA PROJECTS

SHT. 2 OF 64 SHTS.

DESCRIPTION AND LOCATION



OVERLAY						
PROJECT	DEPTH	BEGIN	END	LENGTH (FT)	LENGTH (MI)	
JAMAICA-WINHALL HMA 2818	1 1/4"	JAMAICA 2.825	WINHALL 2.096	16030.080	3.036	
VERNON HMA 2819	1 1/4"	0.000	6.800	35904.000	6.800	
WILMINGTON HMA 2830	1 1/4"	1.270	1.978	3738.24	0.708	
WILMINGTON HMA 2815	1 1/4"	4.283	4.500	1145.76	0.217	
WILMINGTON HMA 2849	1 1/4"	4.500	5.157	3468.960	0.657	
WILMINGTON-MARLBORO HMA 2851	1 1/4"	WILMINGTON 7.118	MARLBORO 6.870	3315.840	0.628	
TOTALS				63,602.88	12.046	

PROJECT 1987 DIST. 2 PAVING

NO. HMA PAVING

SHEET 3 OF 64 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION

AGGREGATE SHOULDERS
EMULSIFIED ASPHALT
BITUMINOUS CONCRETE PAVEMENT
CHANGING ELEV. OF C.B., D.I., OR M.H.
POWER GRADER RENTAL
ALL PURPOSE EXCAVATOR RENTAL
POWER BROOM RENTAL
TRUCK RENTAL
DURABLE 8" WHITE LINE
UNIFORMED TRAFFIC OFFICERS
FLAG PERSONS
MOBILIZATION
DURABLE 4" WHITE LINE
DURABLE 4" YELLOW LINE
TOPSOIL

ITEM NO	402.12	404.65	406.25	604.40	608.15	608.25	608.30	608.37	616.34	630.10	630.15	635.10	646.30	646.31	651.35
UNIT	TON	CWT	TON	EA.	HR.	HR.	HR.	HR.	LF.	HR.	HR.	LS	LF.	LF.	CY.
LOCATION															
JAMAICA - WINDALL															
HMA 2818	60	61	4175	4	5	5	35	5	-	350	350	0.223	~~3800~~	~~3150~~	10
VERNON															
HMA 2819	800	130	11750	-	25	20	60	20	60	1000	1000	0.592	~~7100~~	~~6900~~	10
WILMINGTON															
HMA 2830	50	15	1150	-	15	5	6	5	-	100	100	0.060	~~7400~~	~~7440~~	5
WILMINGTON															
HMA 2815	25	4	320	-	-	-	2	-	-	30	30	0.017	~~2000~~	~~2300~~	5
WILMINGTON															
HMA 2849	45	13	1050	-	-	-	7	-	-	100	100	0.054	~~6850~~	~~6890~~	5
WILMINGTON - MARLTON															
HMA 2851	50	16	1040	-	-	-	6	-	-	100	100	0.054	~~6690~~	~~6480~~	5
TOTALS	1030	239	19485	4	45	30	116	30	60	1680	1680	1	~~12720~~	~~11555~~	40

PROJECT 1987 DIST. 2 PAVING

NO. HMA'S

SHEET 4 OF 64

Changed by Larry Wheeler 11/18/87

PROJECT LENGTHS AND ITEM QUANTITIES									
ITEM DESCRIPTION	DURABLE 24" STOP BAR DURABLE ARROW MARKINGS DURABLE LETTER - IN WORD MARKINGS DURABLE RAILROAD CROSSING SYMBOL TEMPORARY 4" WHITE LINE TEMPORARY 4" YELLOW LINE TEMPORARY 24" STOP BAR TEMPORARY ARROW MARKING								
ITEM NO	646.40	646.42	646.49	646.48	646.50	646.51	646.60	646.62	
UNIT	LF.	EA.	EA.	EA.	LF	LF	LF	EA.	
LOCATION									
JAMAKA - JINHALL									
HMA 2818	24		12		32060	63150			
VERNON									
HMA 2819	36		8	2	71820	127800			
WILMINGTON									
HMA 2830	-				7480	14880			
WILMINGTON									
HMA 2815	-				2300	4590			
WILMINGTON									
HMA 2849	-				6950	13720			
WILMINGTON MARLBOROUGH									
HMA 2851	-				6640	12950			
TOTALS	60		20	2	127230	231070			

PROJECT 1987 DIST. 2 PAVING

NO. HMA'S

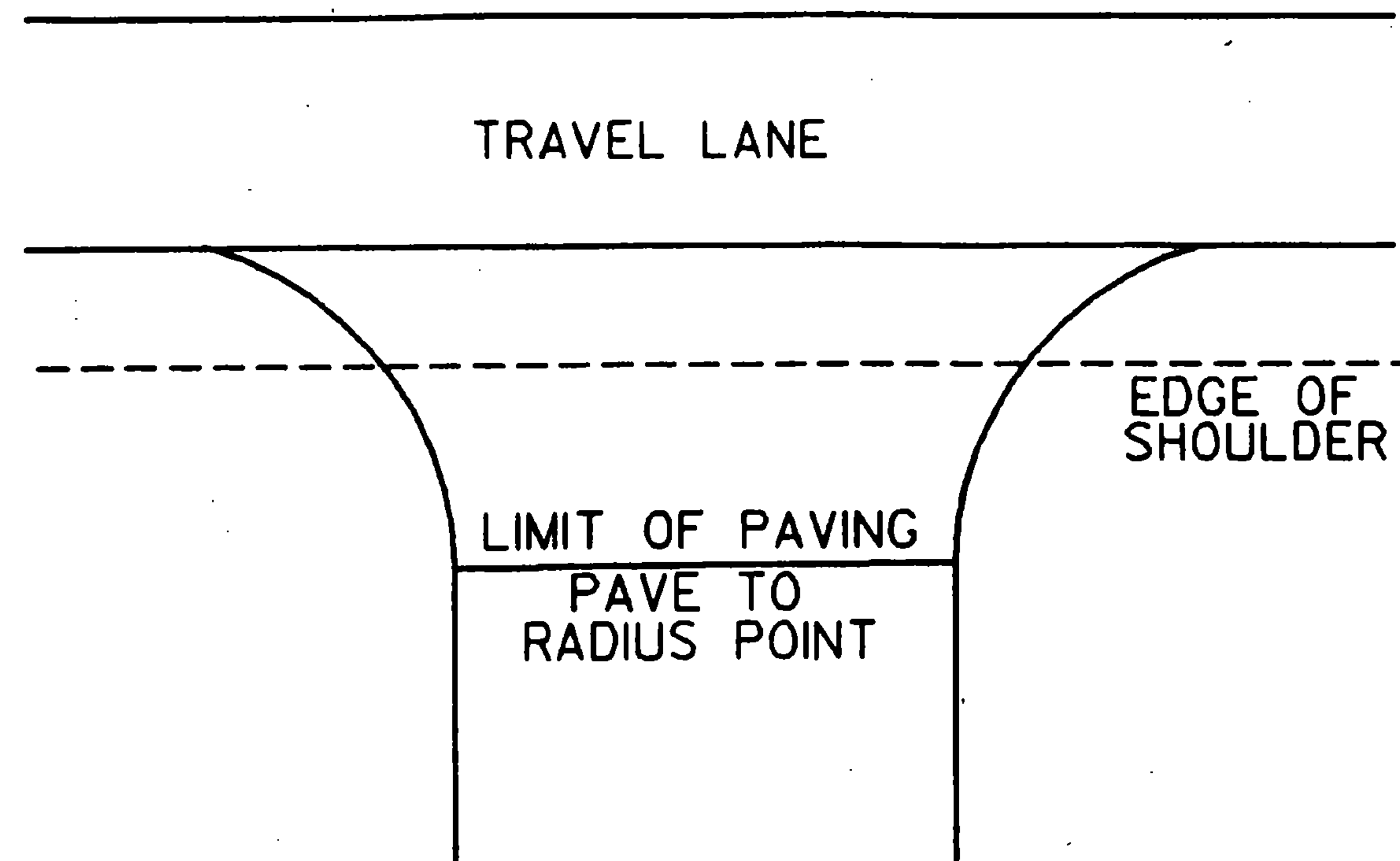
SHEET 5 OF 64

Changed by Larry Wheeler 11/18/87

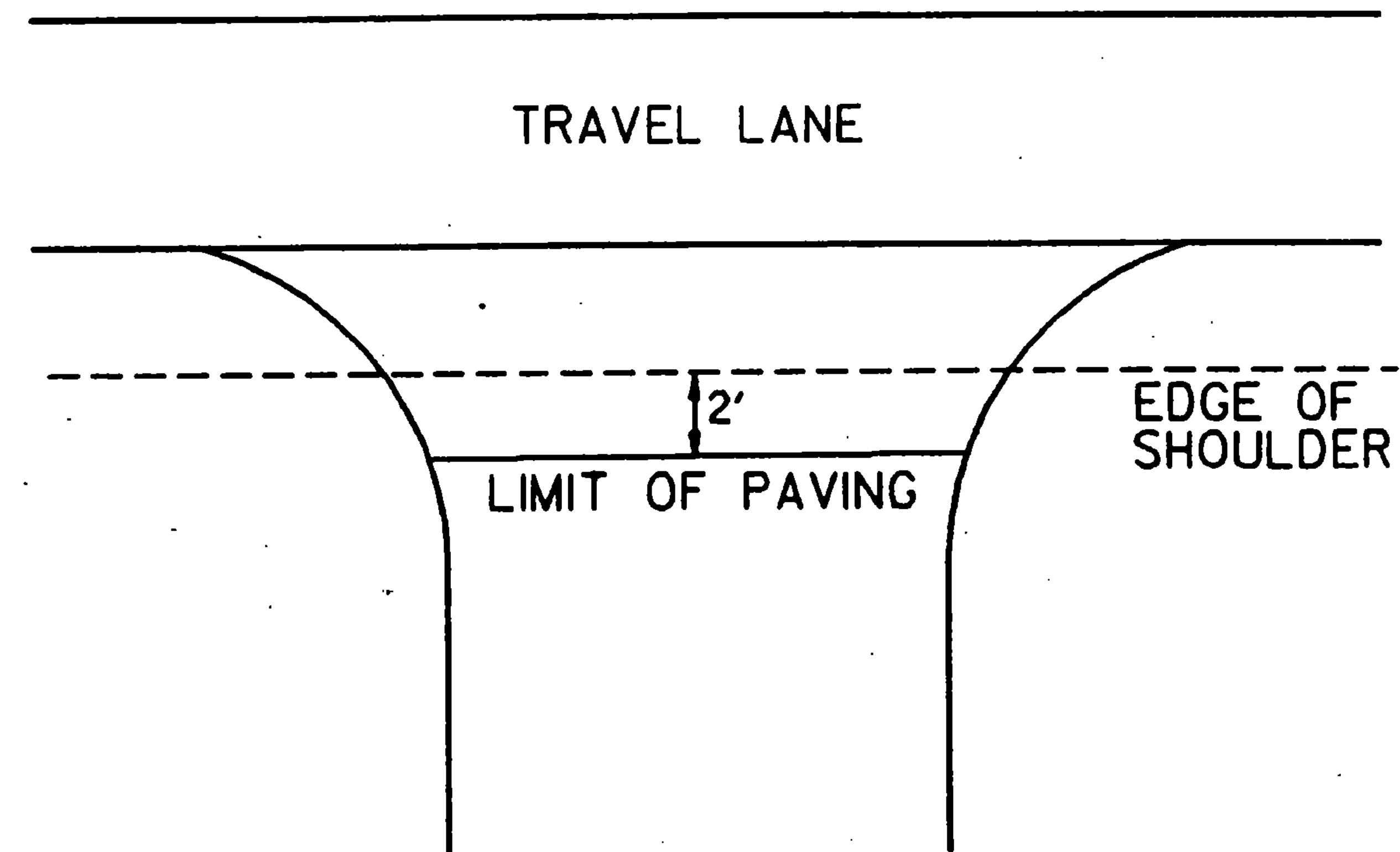
SIGN H-3 IS TO BE
ENGINEER. THE

PAVING LIMITS FOR TOWN ROADS & DRIVES

PAVING LIMITS FOR TOWN ROADS



PAVING LIMITS FOR DRIVES



PROJECT 1987 DIST. 2 PAVING

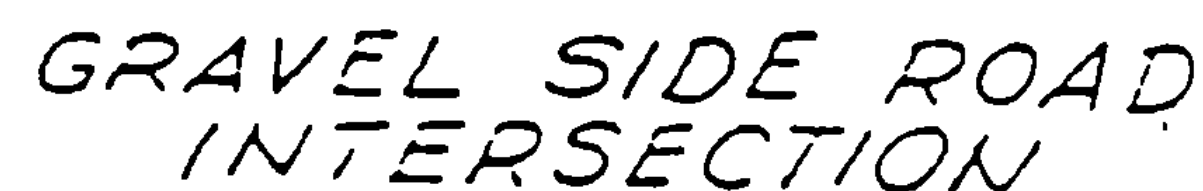
NO. HMA PROJECTS

SHEET 6 OF 64 SHEETS

JCE NO



9. shoulder



GUIDELINES FOR MINIMUM INTERIM PAVEMENT MARKINGS
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.

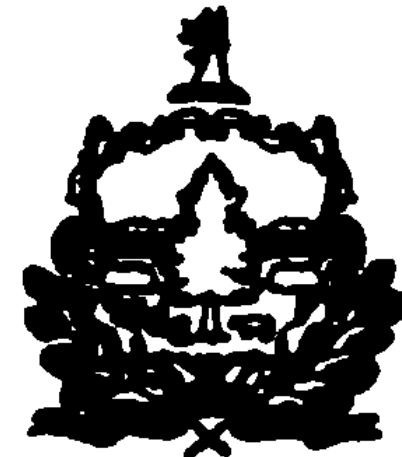
DASHED LINE
FOUR RETRO-REFLECTIVE RPM'S ON 3 1/2 FOOT CENTERS WITH A 30' GAP.

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

STATE OF VERMONT
AGENCY OF TRANSPORTATION



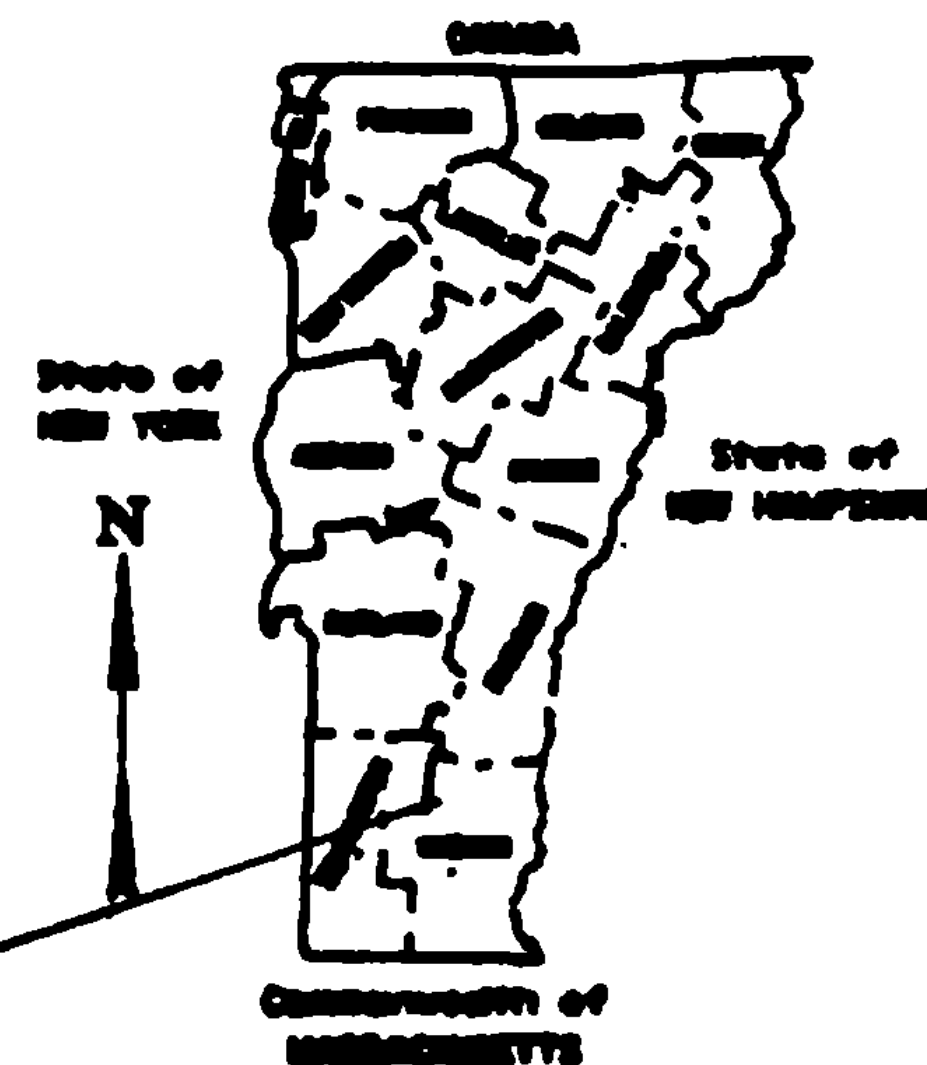
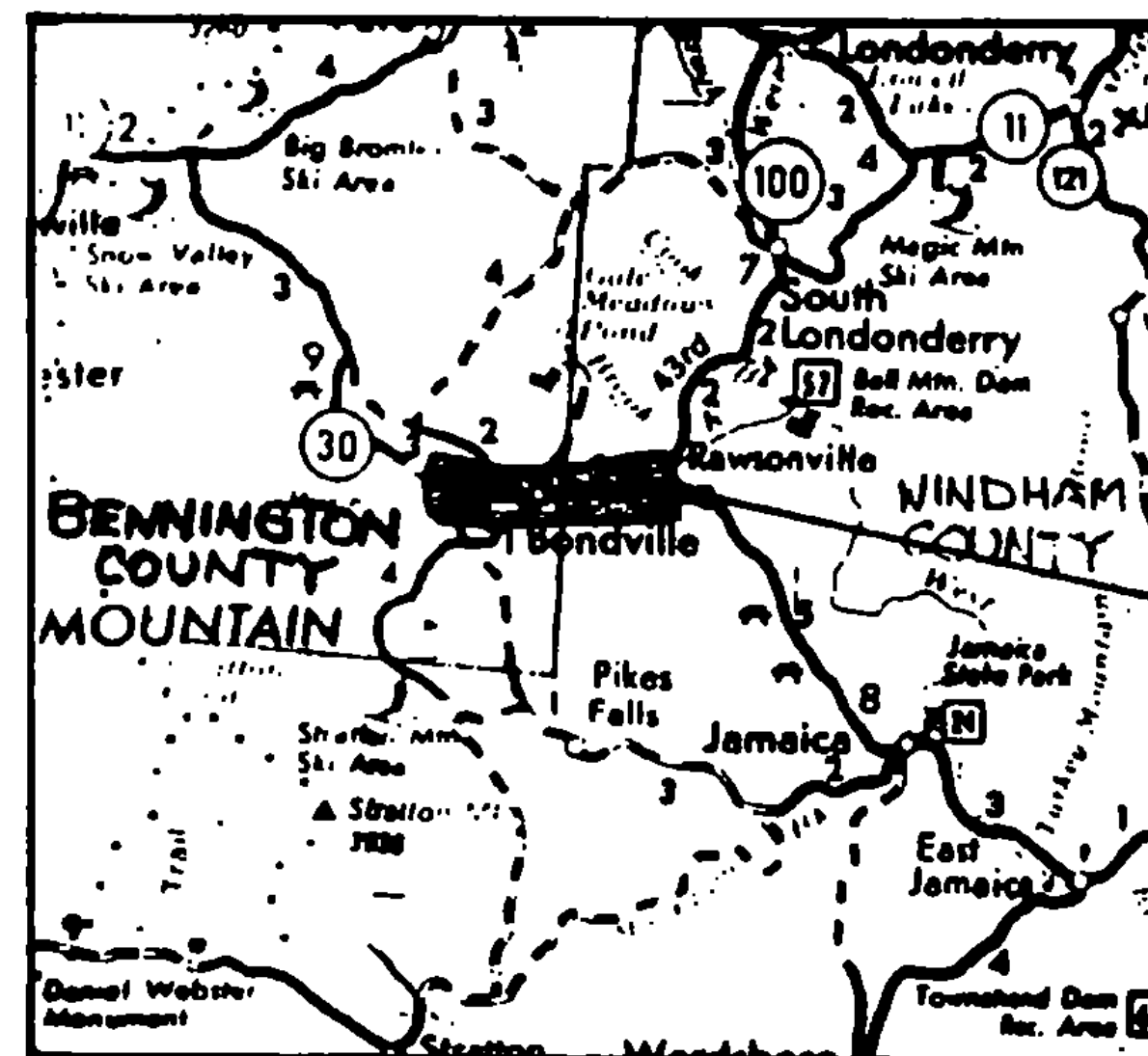
PROPOSED IMPROVEMENT

TOWN OF JAMACA - WINDHAM

COUNTY OF WINDHAM, BENNINGTON

ROUTE NO. VT. R.T. 30

ROUTE CLASS F.A.P.



PROJECT
HMA 2818

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1966, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 2, 1966 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

RECEIVED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED _____ DATE _____
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA - 2818

SHEET 1 OF 10 SHEETS



SCALE IN MILES

FOR INDEX OF SHEETS, SEE SHT. 2

SHT. 9 OF 64 SHEETS

INDEX OF SHEETS

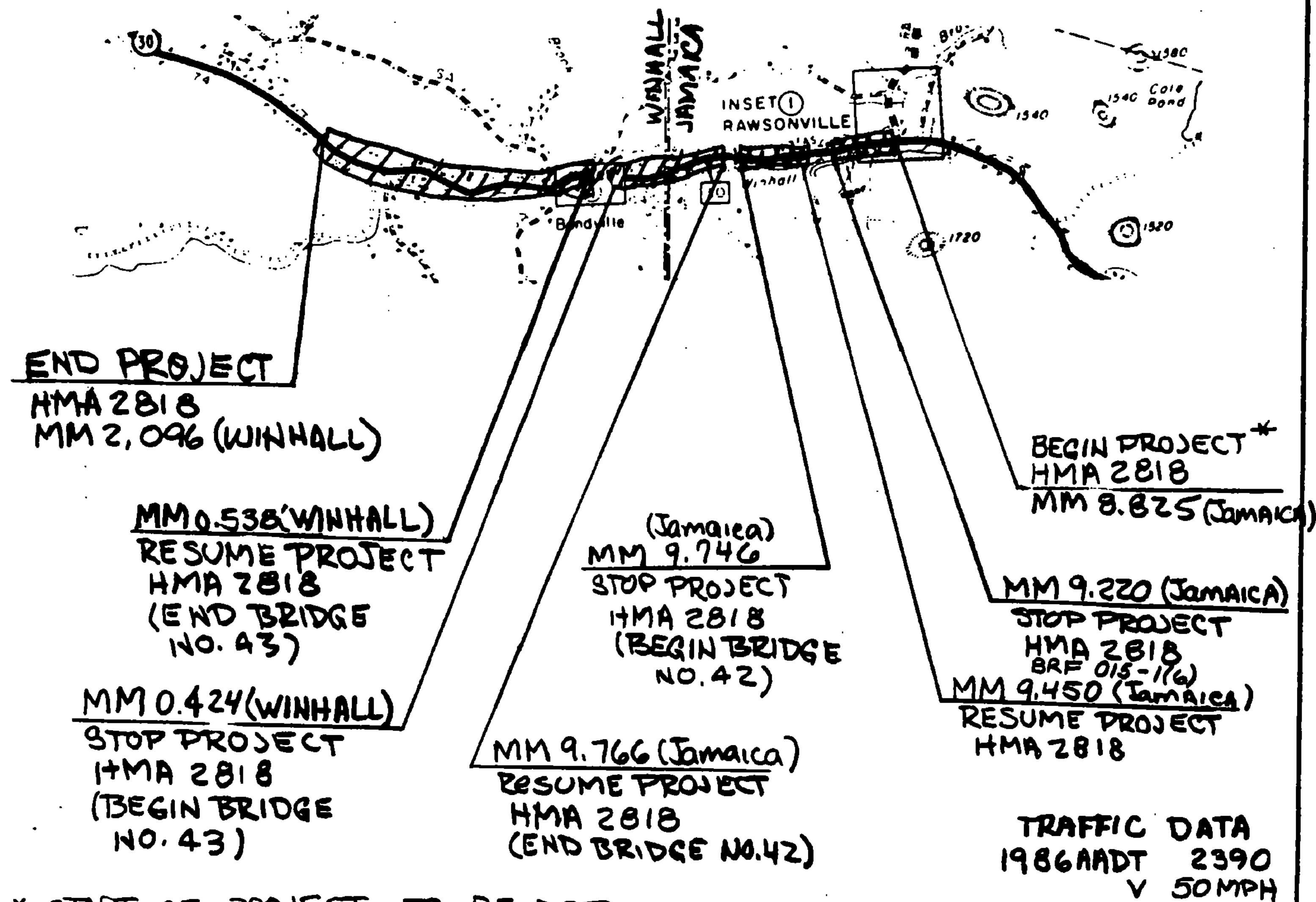
SHEET No.

1	TITLE SHEET
2	INDEX OF SHEETS
3	PROJECT DESCRIPTION AND LOCATION
4-7	TYPICAL SECTION AND DESIGN DATA
8	QUANTITIES
9	CENTERLINE DETAIL SHEET
10	Pavement Marking Detail Sheet

PROJECT JAMAICA - WINHALL

NO. HMA 2818
SHEET 10 OF 64 SHEETS
SHEET 2 OF 10 SHEETS

DESCRIPTION AND LOCATION



* START OF PROJECT TO BE DETERMINED IN THE FIELD BY THE ENGINEER BASED ON THE CONDITION OF EXISTING BITUMINOUS PAVEMENT AT PROPOSED START OF PROJECT.

PROJECT BEGINS IN JAMAICA 8.825 MILES NORTHWESTERLY OF THE JAMAICA-TOWNSHEND TOWN LINE AND EXTENDS WESTERLY TO END AT MILE MARK 2.096 IN THE TOWN OF WINHALL. THE ABOVE NOTED BRIDGES AND BRIDGE REPAIRS PROJECT JAMAICA BRG 015-11(6) ARE NOT PART OF THIS OVERLAY.

LENGTH OF PROJECT 16030.08 FT. 3.036 MILES

PROJECT INCLUDES THE OVERLAYING OF EXISTING BITUMINOUS CONCRETE PAVEMENT (SHOULDERS INCLUDED) WITH 1 1/4" BIT. CONC. PAVT.

PROJECT JAMAICA-WINHALL

NO. HMA 2818
SHEET 11 OF 64 SHEETS
SHEET 3 OF 11 SHEETS

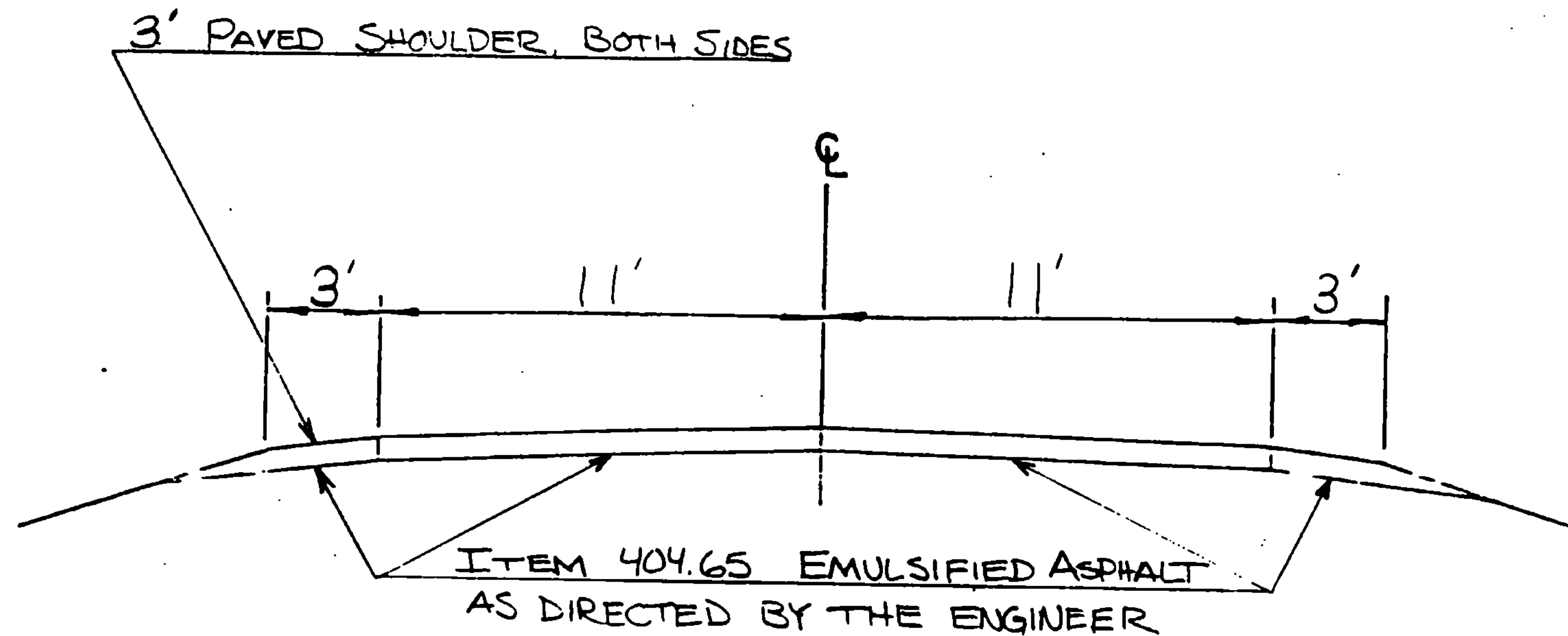
TYPICAL SECTIONS & DESIGN DATA

BITUMINOUS CONCRETE PAVEMENT

TYPE IV MIX WILL BE USED FOR LEVELING
UNLESS OTHERWISE DETERMINED BY THE
RESIDENT ENGINEER.

1 1/4" WEARING COURSE, TYPE III

TYPE IV MIX (28' WIDE @ 250 TONS/MI.)



JAMAICA MM 8.825 ~ JAMAICA MM 9.220

JAMAICA MM 9.450 ~ JAMAICA MM 9.746

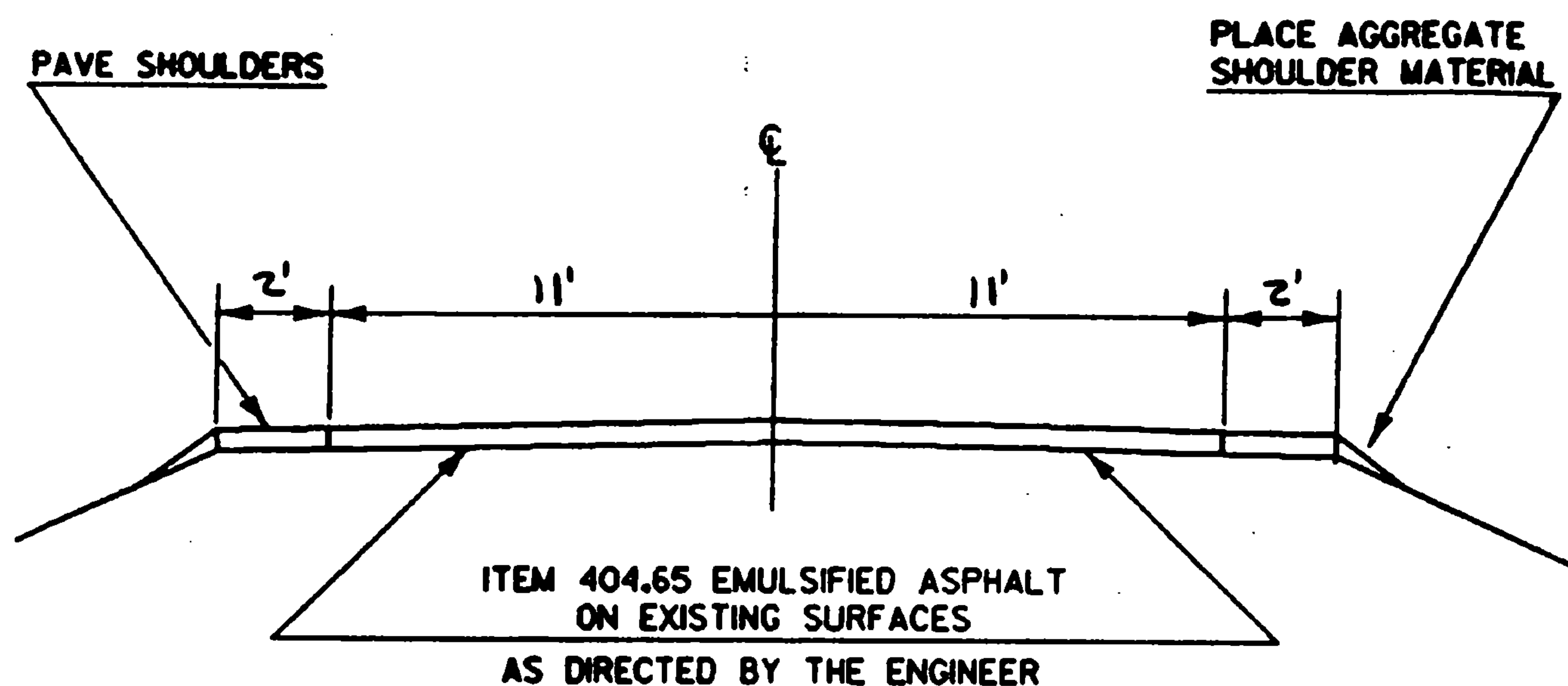
JAMAICA MM 9.766 ~ WINHALL MM 0.000

PROJECT - JAMAICA - WINHALL

~~SHEET 12 OF 64 SHEETS~~
NO. HMA 2818
~~SHEET 4 OF 10 SHEETS~~

TYPICAL SECTIONS & DESIGN DATA

WINHALL 0.000 ~ 0.272
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (250 TONS/MILE)
1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
AS DIRECTED BY THE ENGINEER



PROJECT JAMAICA-WINHALL

NO. HMA 2818
SHEET 13 OF 64 SHEETS
SHEET 5 OF 10 SHEETS

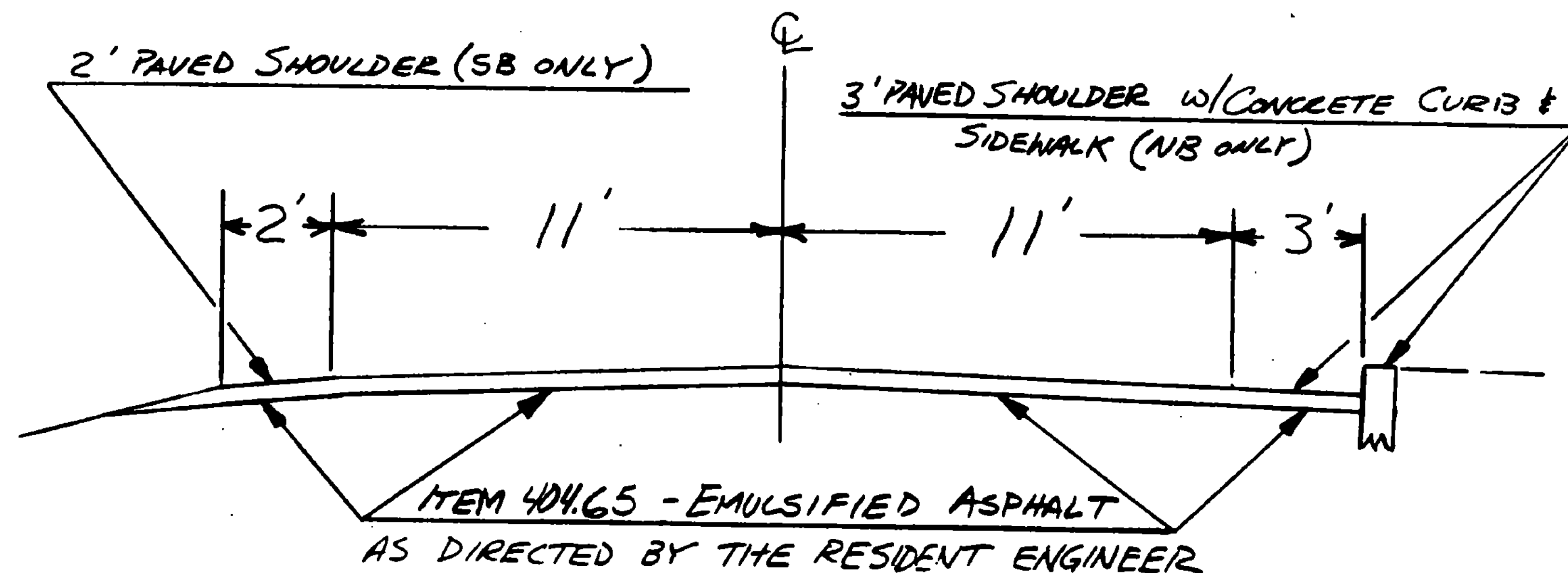
TYPICAL SECTIONS & DESIGN DATA

BITUMINOUS CONCRETE PAVEMENT

TYPE IV MIX WILL BE USED FOR LEVELING UNLESS OTHERWISE DETERMINED BY THE RESIDENT ENGINEER

1 1/4" WEARING COURSE, TYPE III

TYPE IV MIX, 27' WIDE @ 250 TONS/MI.



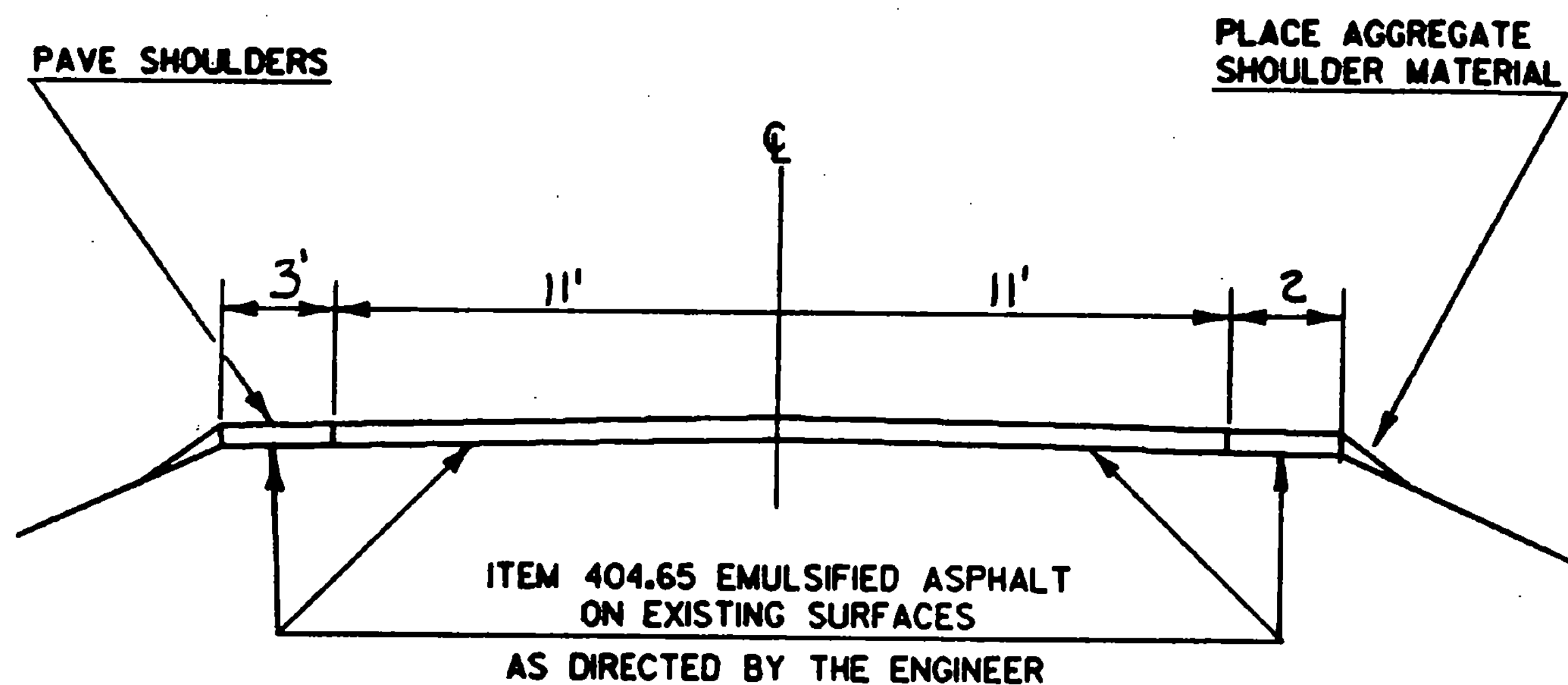
WINHALL MM 0.272 ~ MM 0.424

PROJECT JAMAICA-WINHALL

NO. HMA 2818
SHT 14 OF 64 SHTS
SHT. 6 OF 10 SHTS.

TYPICAL SECTIONS & DESIGN DATA

WINHALL MM0.538~MM2.096
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (250 TONS/MILE)
1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
AS DIRECTED BY THE ENGINEER



PROJECT JAMAICA-WINHALL

NO. HMA 2818
SHEET 15 OF 64 SHEETS
SHEET 7 OF 10 SHEETS

QUANTITIES

ITEM	DESCRIPTION
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[illegible]

Changed by Larry Wheeler 11/18/87

PROJECT 1987 DIST. 2 DAVING
JAMAICA - WINHALL

NO. HMA PAVING
HMA 28/8

SHEET 16 OF 64 SHEETS
SHEET 8 OF 10 SHEETS

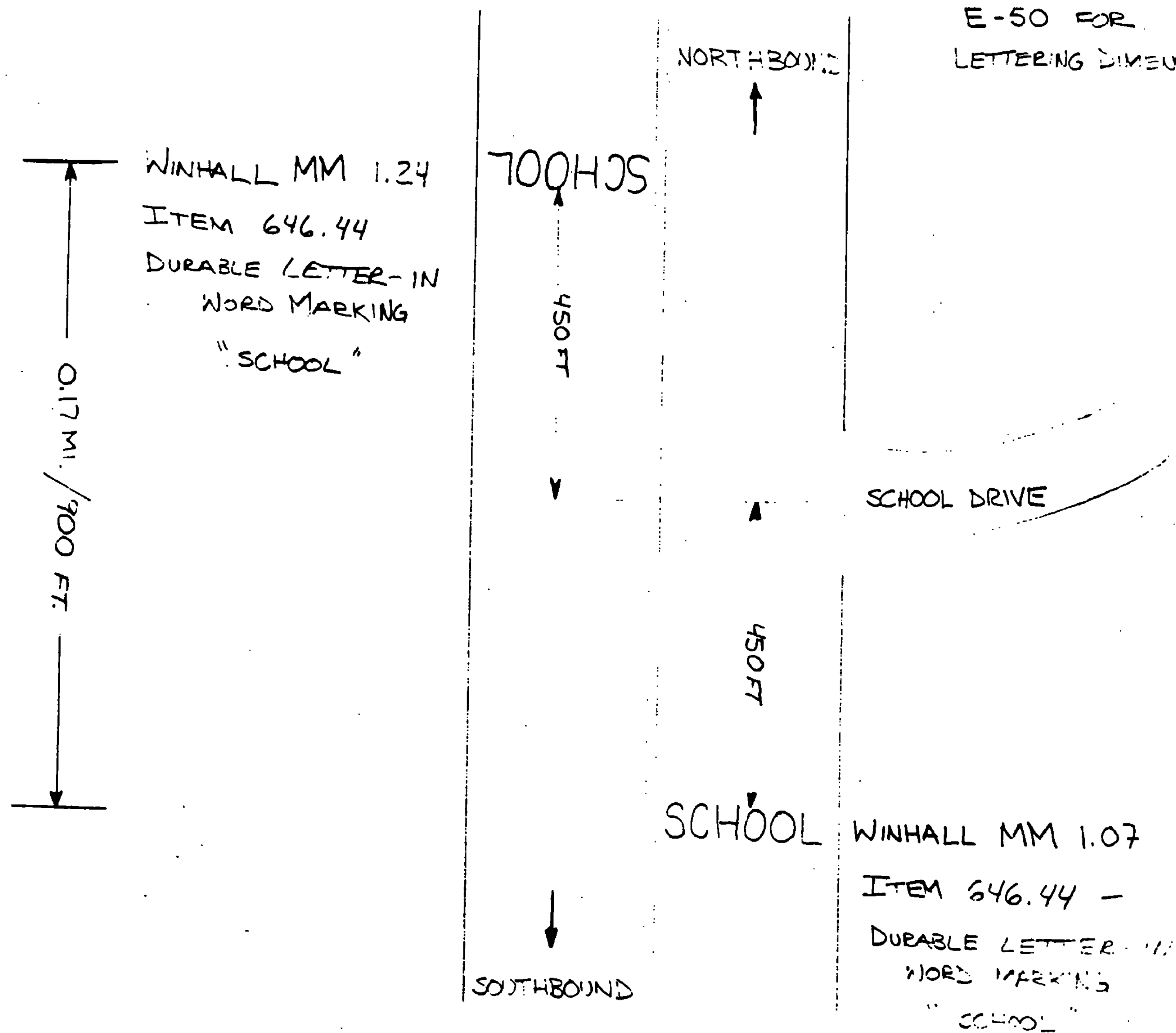
TEMPORARY 4" YELLOW LINE

	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY Q	QUANTITY RT	MINUS TH	TOTALS
Jam.	8.825	9.220	Solid	Solid		2086		2086		4172
Jam	9.450	9.570	Dash	Solid		158		634		792
Jam.	9.570	10.120	Solid	Solid		2904		2904		5808
Winhl	0.000	1.980	Solid	Solid		10454		10454		20908
Winhl	1.980	2.096	Solid	DASH		612		153		765
										32443
INTERSECTING TOWN HIGHWAYS NOS. Jamaica										
								TH 9	80	
								Winhall TH 14	80	
								TH 22	80	
								TH 1	80	
								TH 13	80	
								TH 2	80	
								TH 37	80	
								(U Shape 2 line breaks) TH 26	160	
								TH 3	80	
								TH 15	80	
									880	
										31565
										x 2
										63130L

TEMPORARY 4" WHITE LINE

PAYEMENT MARKING DETAIL SHEET

* SEE STANDARD
E-50 FOR
LETTERING DIMENSIONS.

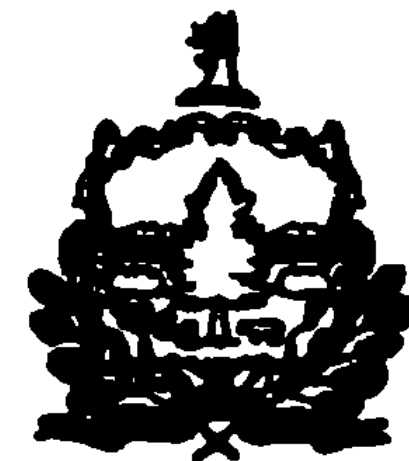


NOTE: DRAWING NOT TO SCALE

PROJECT JAMAICA - WINHALL

NO. HMA 818
SHT. 18 OF 64 SHTS.
SHT. 10 OF 10 SHTS.

STATE OF VERMONT
AGENCY OF TRANSPORTATION



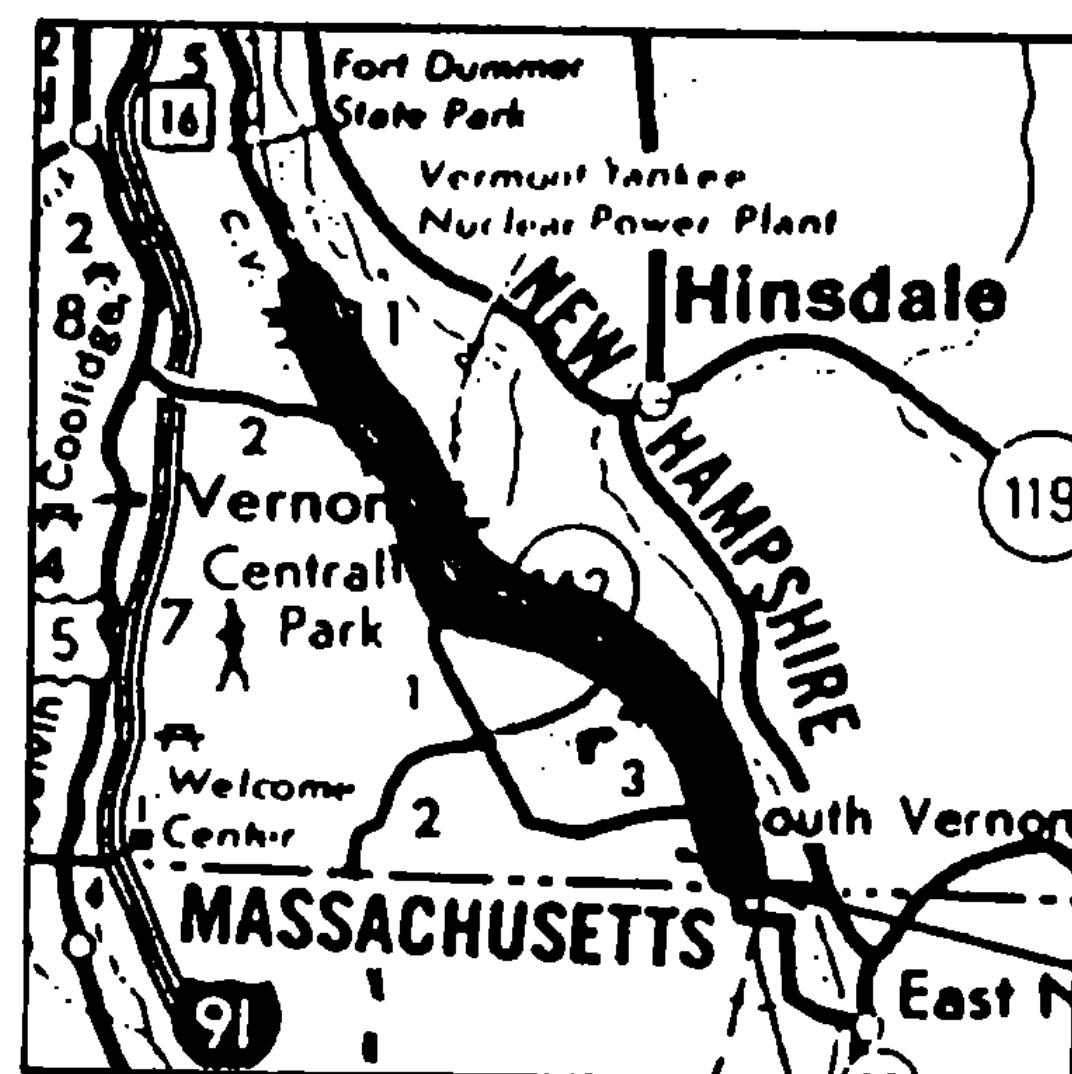
PROPOSED IMPROVEMENT

TOWN OF VERNON

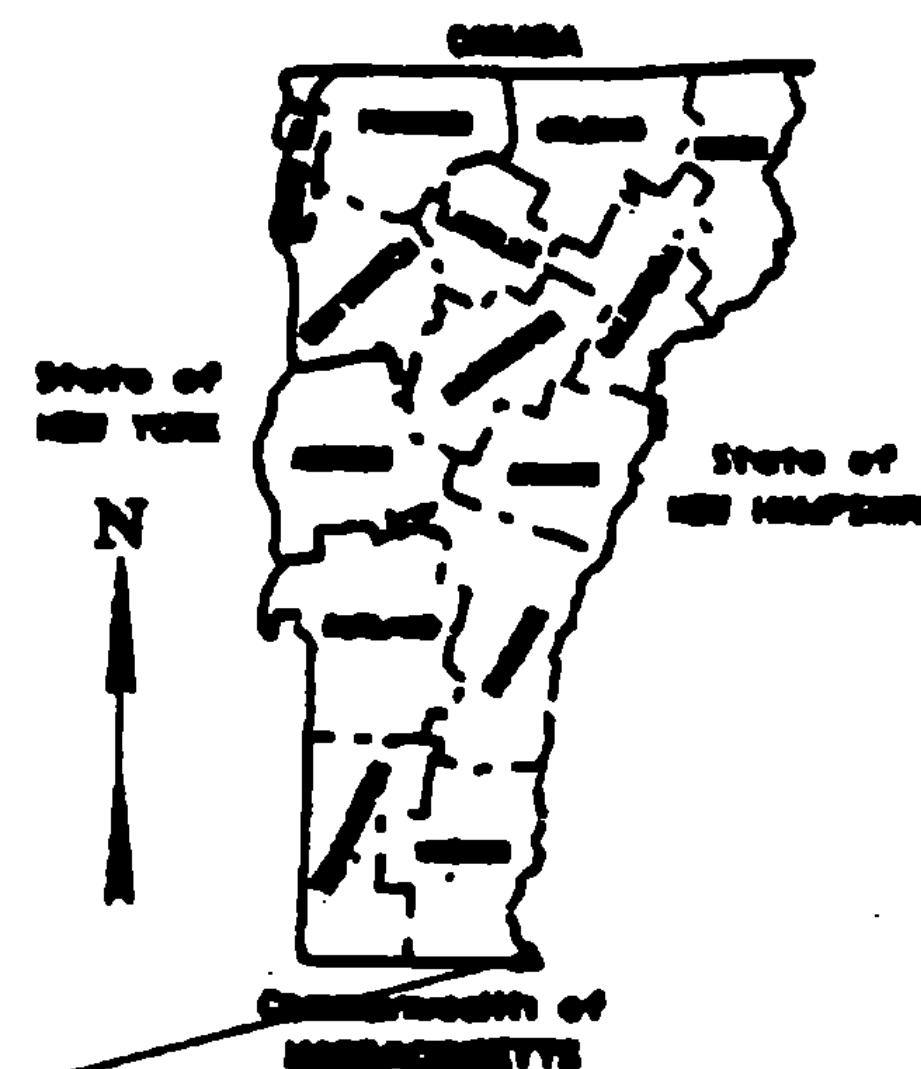
COUNTY OF WINDHAM

ROUTE NO. VT. RT. 142

ROUTE CLASS F.A.S.



PROJECT
HMA2819



0 5 10 MILES

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1984, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 8, 1985 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

REVIEWED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED CHIEF ENGINEER DATE _____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA # 2819

SHEET 1 OF 10 SHEETS

SHEET 20 OF 64 SHEETS

FOR INDEX OF SHEETS, SEE SHT. 2

INDEX OF SHEETS

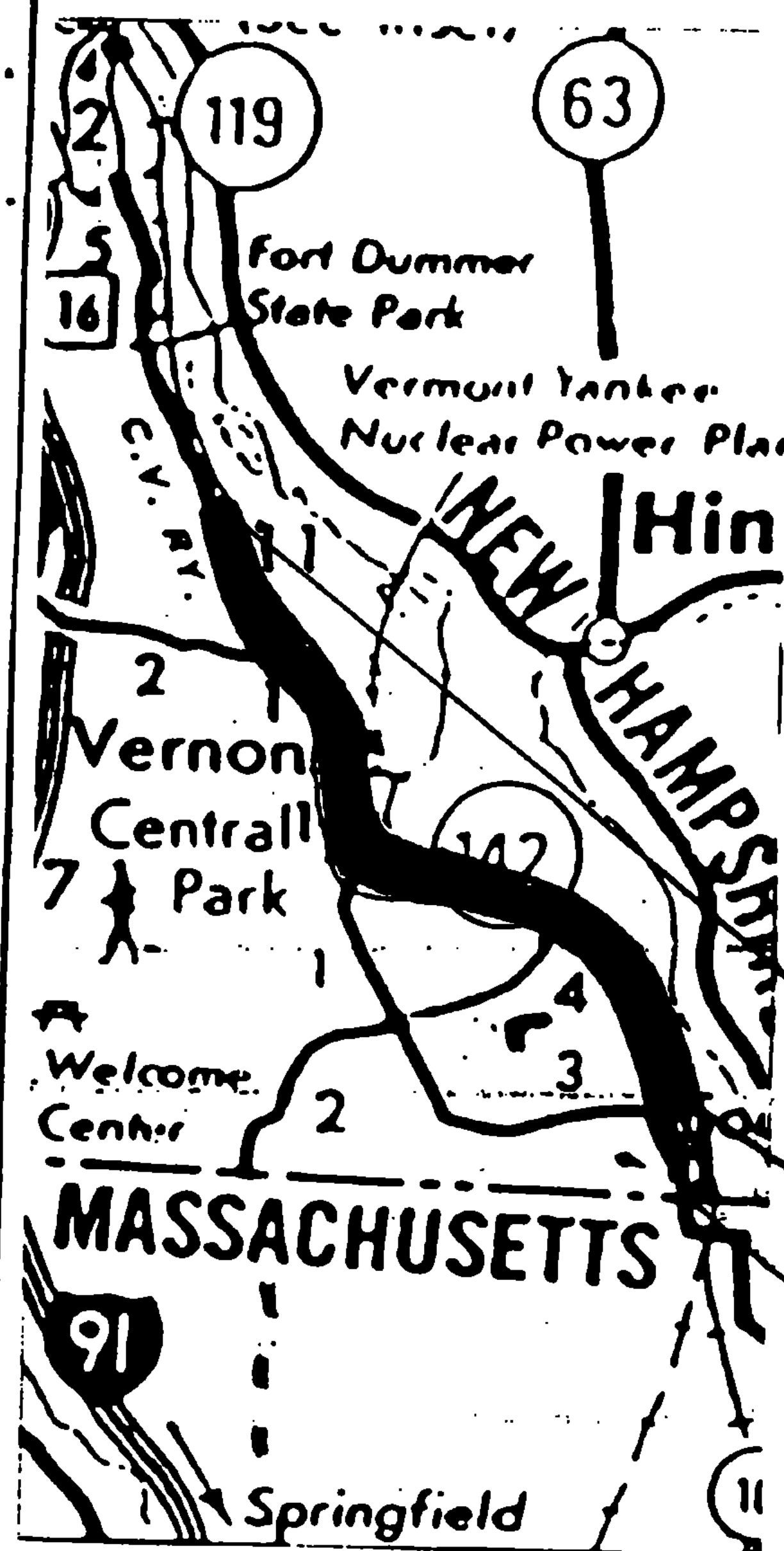
SHEET NO.

1	TITLE SHEET
2	INDEX OF SHEETS
3	PROJECT DESCRIPTION AND LOCATION
4-6	TYPICAL SECTIONS AND DESIGN DATA
7,8	PROJECT LENGTHS AND ITEM QUANTITIES
9	CENTERLINE DETAIL SHEET
10	Shoulder Detail Sheet

PROJECT VERNON

NO. HMA 2819
~~SHEET 21 OF 64 SHEETS~~
SHEET 2 OF 10 SHEETS

PROJECT DESCRIPTION AND LOCATION



TRAFFIC DATA

1986 AADT = 2020

V = 50 MPH

PROJECT INCLUDES OVERLAYING THE EXISTING BITUMINOUS CONCRETE PAVEMENT (SHOULDERS INCLUDED) WITH 1 1/4" BIT. CONC. PAVT. EXISTING GRAVEL SHOULDERS WILL BE EXCAVATED, FILLED WITH AGGREGATE SHOULDER MATERIAL, AND OVERLAYED WITH 1 1/4" BIT. CONC. PAVT.

END PROJECT HMA 2819
MM 6.800

TAPER 1 1/4" OVERLAY TO 0" OVER *
200' BEFORE & AFTER BR #2 OVER
VT. 142. DO NOT PAVE UNDER RR BRIDGE

BEGIN PROJECT HMA 2819
MM 0.000



* NOTE: MIN. 13.8' CLEARANCE
IS TO BE MAINTAINED UNDER
BR #2 OVER VT 142.

ON VT. RT. 142, BEGINNING AT THE MASSACHUSETTS-
VERMONT BORDER, AND EXTENDING NORTHERLY
6.800 MILES.

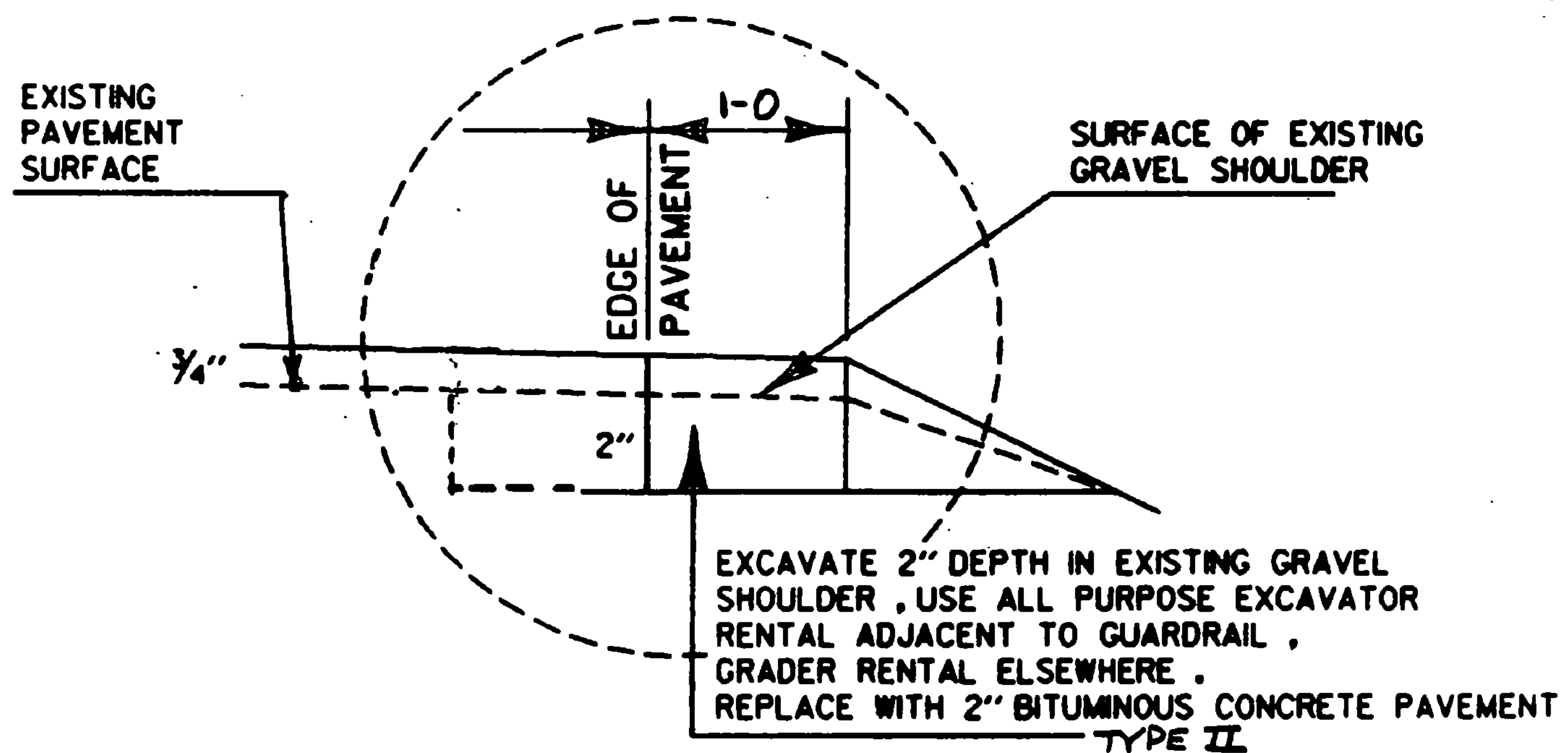
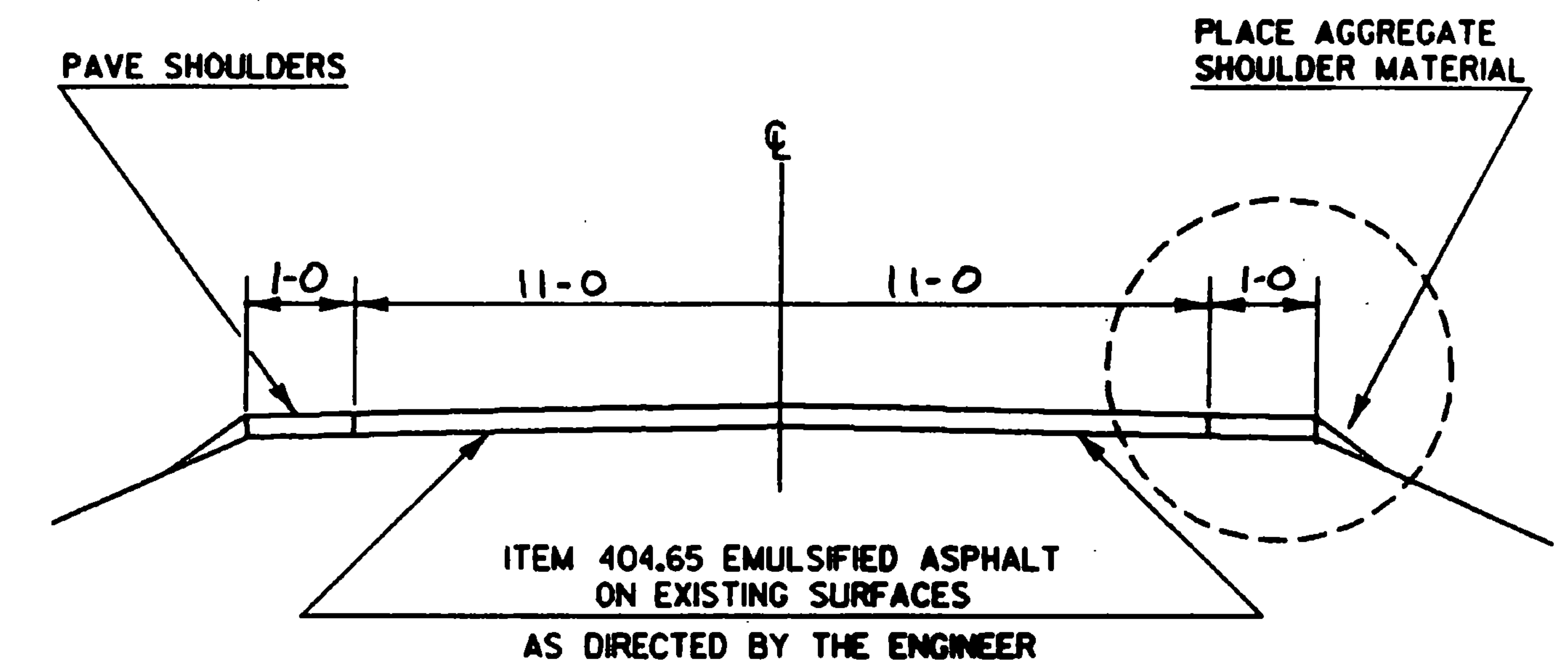
LENGTH OF PROJECT : 6.800 MI
= 35,704.0 FT.

PROJECT: VERNON

NO. HMA 2819 SHT. 22 OF 71
SHEET 3 OF 64 SHEETS

TYPICAL SECTIONS & DESIGN DATA

VERNON MM0.00 ~ MM1.13
 ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (38Z TONS/MILE)
 1 1/4" WEARING COURSE TYPE III (± 1/4")
 AS DIRECTED BY THE ENGINEER
 NOTE: EXISTING PAVEMENT IS 10' LANES
 W/ 2' GRAVEL SHOULDERS.



PROJECT Vernon

NO. HMA 2819

SHEET 4 OF 10 SHEETS

SHEET 23 OF 64 SHEETS

TYPICAL SECTIONS & DESIGN DATA

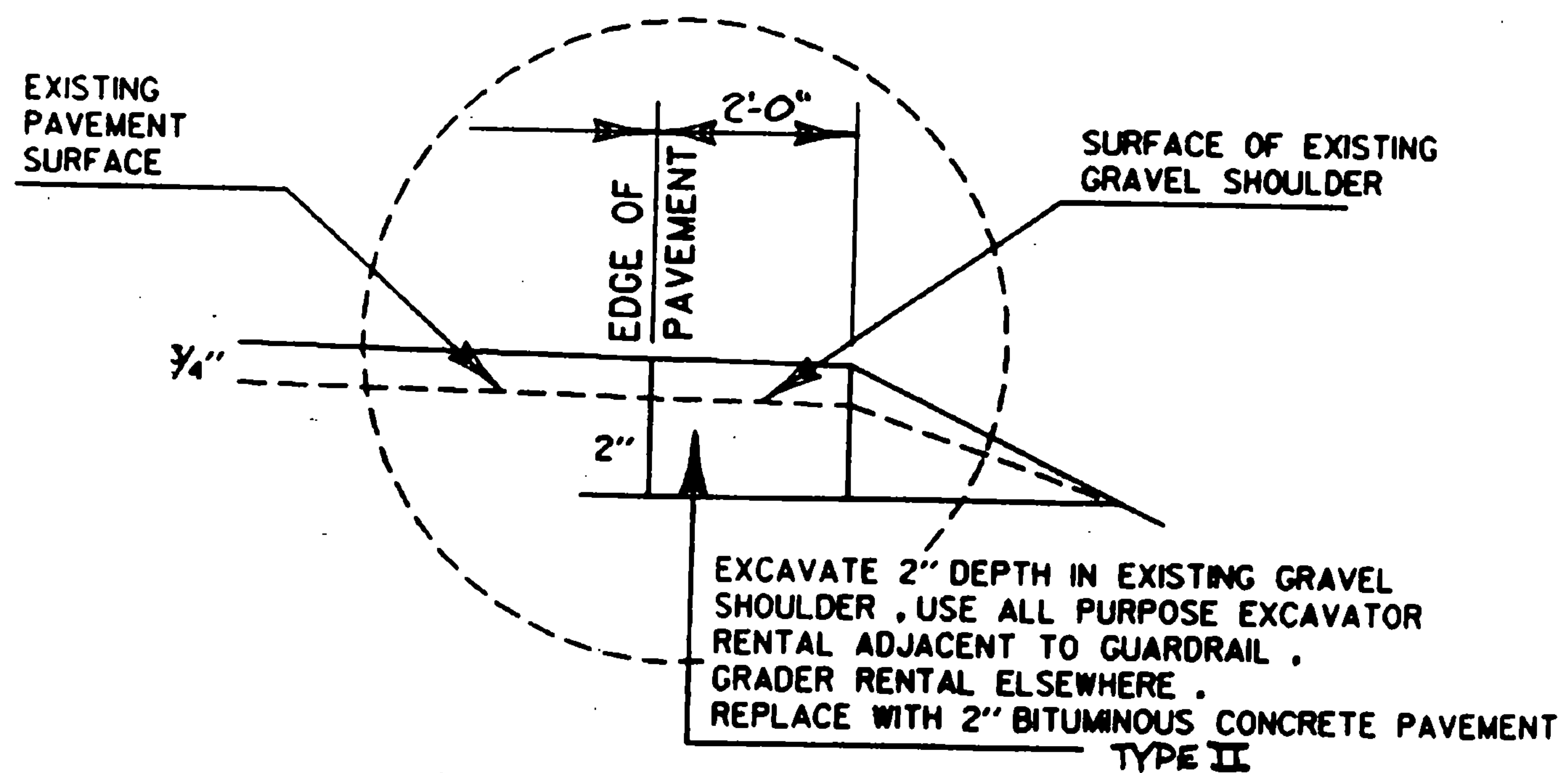
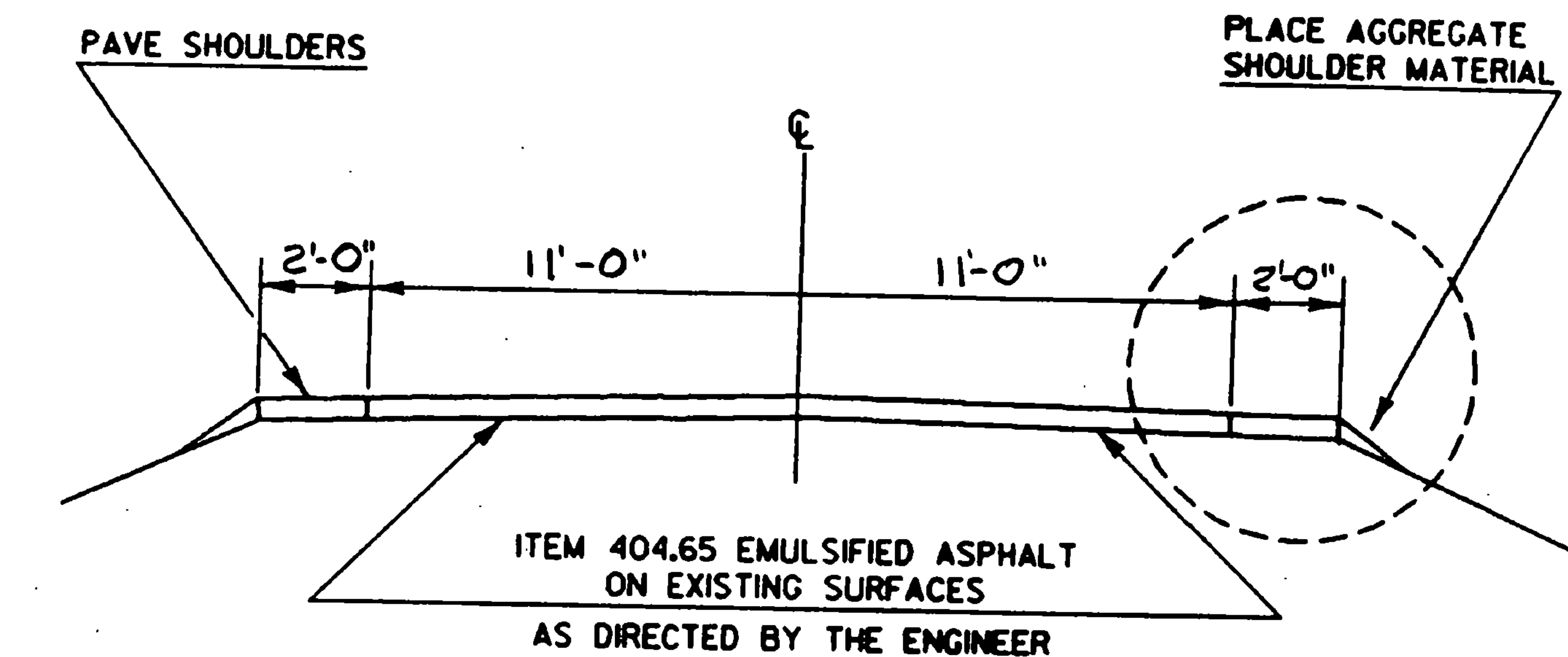
VERNON MM1.13 ~ MM 3.62, MM 3.73 ~ MM 6.800

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT

LEVELING COURSE TYPE IV (4 1/4 TONS/MILE)

1 1/4" WEARING COURSE TYPE III (± 1/4")

AS DIRECTED BY THE ENGINEER



PROJECT Vernon

NO. HMA 2819

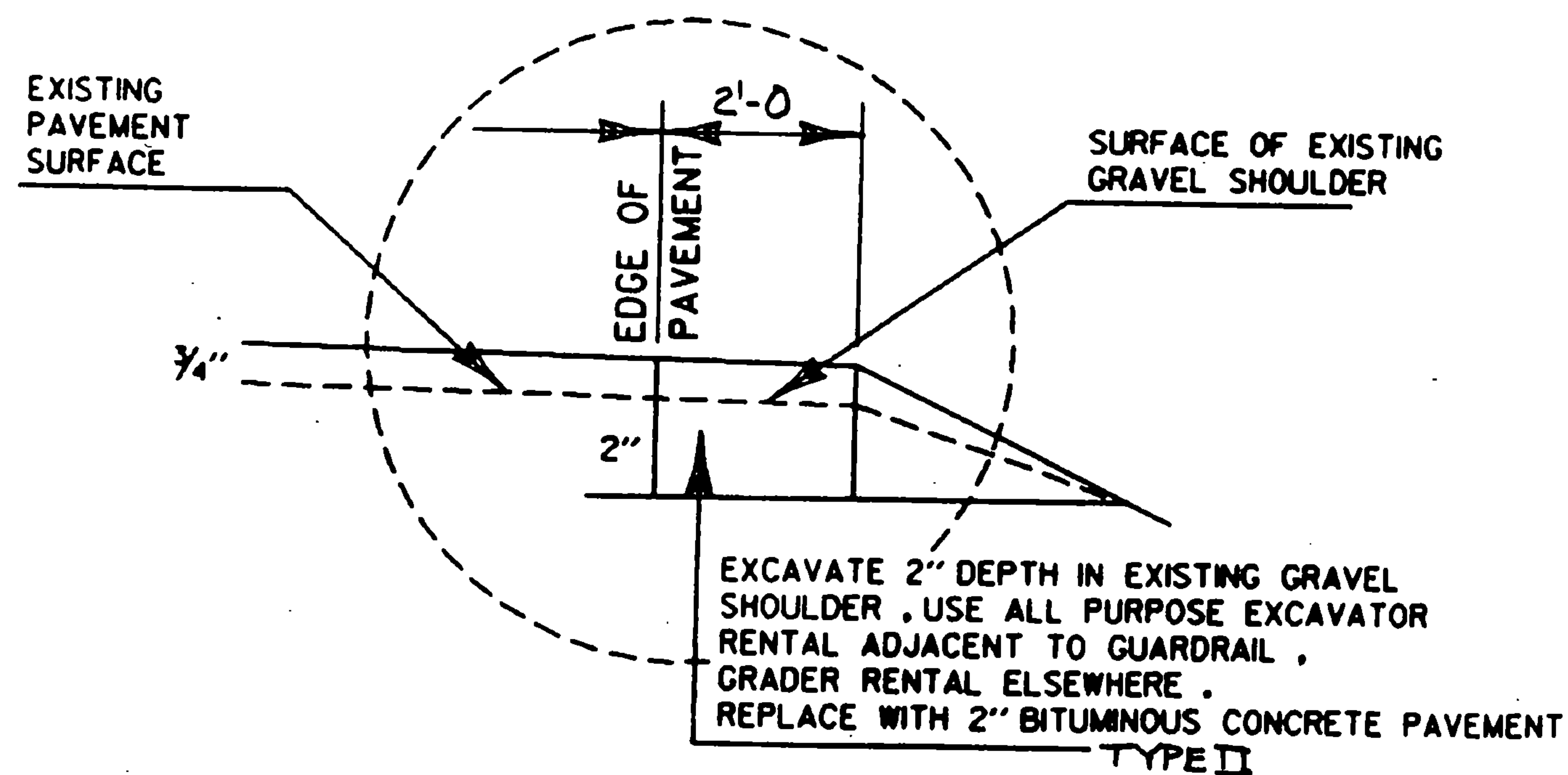
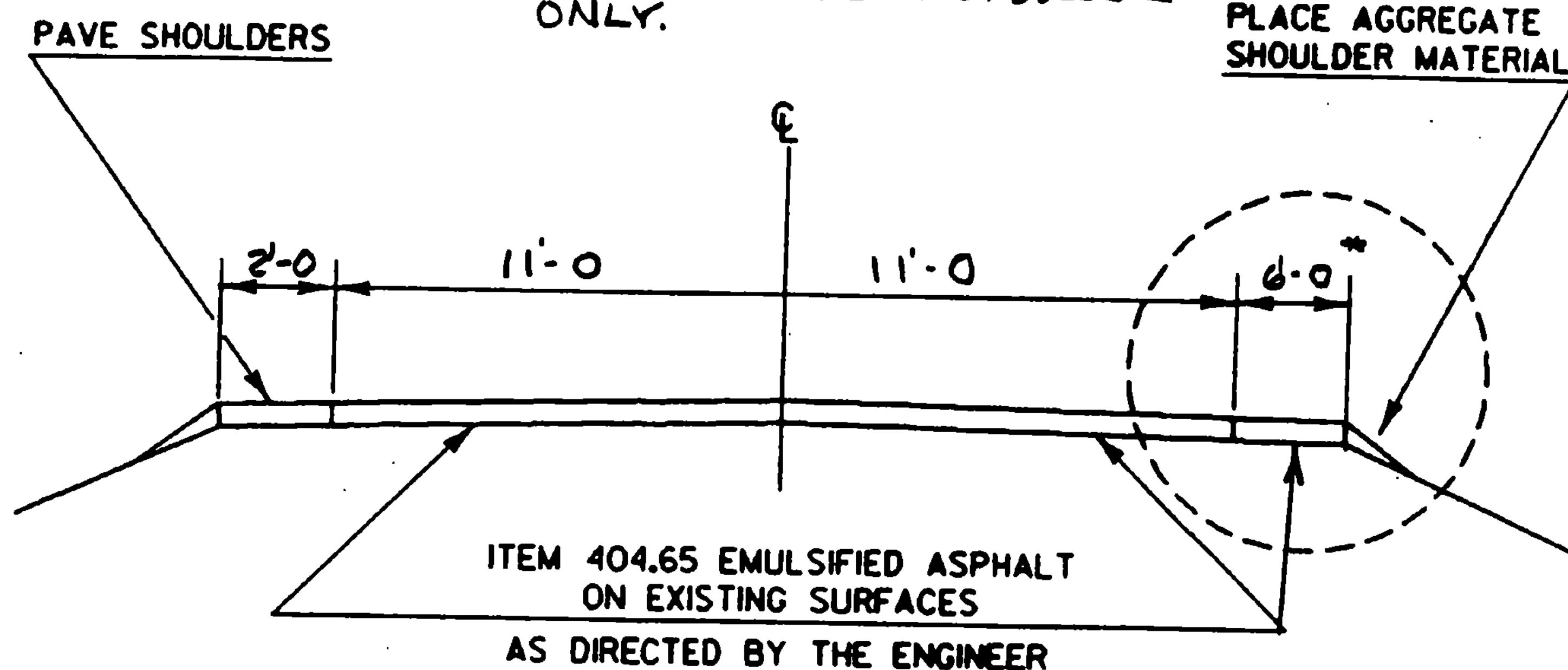
SHEET 5 OF 10 SHEETS

SHEET 24 OF 64 SHEETS

TYPICAL SECTIONS & DESIGN DATA

VERNON MM 3.62 ~ MM 3.73
 ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (477 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER

*NOTE: EXISTING RT. SHOULDER IS PAVED.
 DETAILED BLOW-UP BELOW
 APPLIES TO LEFT SHOULDER
 ONLY.



PROJECT Vernon

NO. HMA 2819

SHEET 6 OF 10 SHEETS

SHEET 25 OF 64 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM NO	LENGTH		WIDTH	OVERLAY DEPTH	LEVELING DEPTH	AGGREGATE COURSE, TYPE IV	AGGREGATE SHOULDERS	AGGREGATE SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS CONCRETE TYPE II	BITUMINOUS CONCRETE TYPE IV	POWER BROOM RENTAL	CHANGE OF ELEVATION (CB, DI, OR MH)	UNIFORMED TRAFFIC OFFICERS	FLAG PERSONS	MOBILIZATION
	FT.	FT.														
UNIT	FT.	FT.	IN.	TONS/MIL	CY.	TON	CWT.	TON	TON	HR.	EA.	HR.	HR.	LS.		
LOCATION																
VERNON																
MM 0.000 ~ 1.130	5966.4	22	1.25				18.16		1072.8							ROADWAY
	5966.4	2	1.25				1.65	294.6	92.1							SHOULDERS
	5966.4			382					431.7							LEVELING
MM 1.130 ~ 3.620	13147.2	22	1.25				40.01		2231.8							ROADWAY
	13147.2	4	1.25				7.27	649.2	405.8							SHOULDERS
	13147.2			414					1030.9							LEVELING
MM 3.620 ~ 5.730	580.8	22	1.25				1.77		98.6							ROADWAY
	580.8	8	1.25				0.64	14.3	35.9							SHOULDERS
	580.8			477					52.5							LEVELING
MM 3.730 ~ 6.800	16209.6	22	1.25				49.33		2751.6							ROADWAY
	16209.6	4	1.25				8.97	800.5	500.3							SHOULDERS
	16209.6			414					1271.0							LEVELING
TOWN HIGHWAYS DRIVES EST. SHOULDER REPAIR						800	1.00		50.0							EST.
								1758.6	915.0							
PROJECT SUBTOTALS						800	128.8	11723.6	54.4	—	979	979	0.592			
ROUNDING						—	1.2	26.4	5.6	—	21	21	—			
PROJECT TOTALS						800	130	11750.0	60	—	1000	1000	0.592			

PROJECT

VERNON

NO.

HMA 2819

SHEET 26 OF 64 SHTS

SHEET 7 OF 10

PROJECT · LENGTHS · AND · ITEM · QUANTITIES

ITEM NO	646.51	646.44	646.48	646.50	646.24	646.34	608.15	608.25	608.31	608.35	646.40				
UNIT	LF	EA	EA	LF	LF	LF	HR	HR	HR	CY	LF				
LOCATION															
GRAND TOTAL	129,786	8	2	71,808	~~64,800~~	60	25	20	20	16	36				
ROUTING	14	-	-	12	~~12~~	-	-	-	-	-	-				
GRAND TOTALS	129,800	8	2	71,820	~~64,812~~	60	25	20	20	16	36				

PROJECT VERNON

NO. HMA 2819

SHEET 27 OF 64
SHEET 8 OF 10

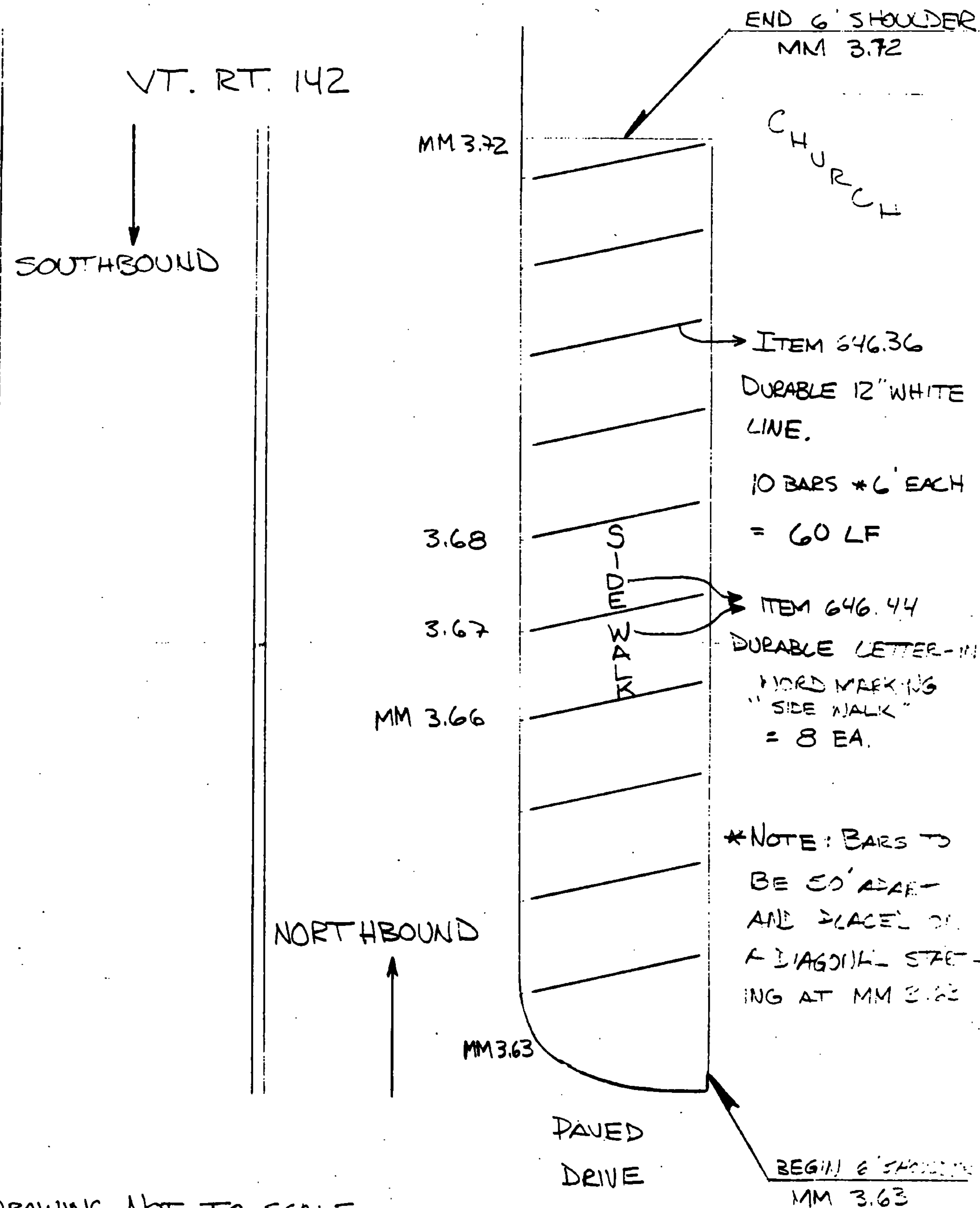
Changed by Larru Wheeler 11/1e/87

TEMPORARY 4" YELLOW LINE										
	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY C	QUANTITY RT		TOTAL
	0.00	1.85	SOLID	SOLID		9768		9768		19536
	1.85	2.03	SOLID	DASHED		950		238		1188
	2.03	2.20	SOLID	SOLID		898		898		1796
	2.20	2.34	SOLID	DASHED		739		185		924
	2.34	2.46	DASHED	DASHED			158			158
	2.46	2.49	DASHED	SOLID		40		158		198
	2.49	2.51	SOLID	SOLID		106		106		212
	2.51	2.53	SOLID	DASHED		106		26		132
	2.53	2.69	DASHED	DASHED			211			211
	2.69	2.83	DASHED	SOLID		185		739		924
	2.83	4.86	SOLID	SOLID		10718		10718		21436
	4.86	5.08	SOLID	DASHED		1162		290		1452
	5.08	5.16	DASHED	SOLID		106		422		528
	5.16	6.80	SOLID	SOLID		8659		8659		17318
								SUB-TOTAL		66,013 LF
*	DEDUCT 40' FOR EACH INTERSECTING TOWN HIGHWAY									
			14	T.H'S	* 40' * 2	=	1120 LF			-1120 LF
								SUB-TOTAL		64,893 LF
*	ASSUME 100% C COST DURING LEVELING									
										* 2
								TOTAL		129,786 LF

[illegible]

NO. HMA 2819 54T 28 OF 64
SHEET 9 OF 10

SHOULDER DETAIL SHEET

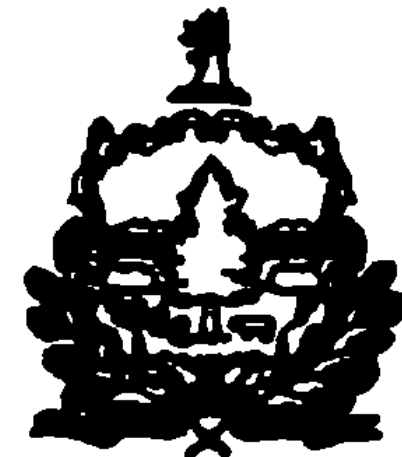


NOTE: DRAWING NOT TO SCALE

PROJECT VERNON

NO. HMA 2819
SHT. 29 OF 64 SHTS.
SHT. 10 OF 10 SHTS.

STATE OF VERMONT
AGENCY OF TRANSPORTATION



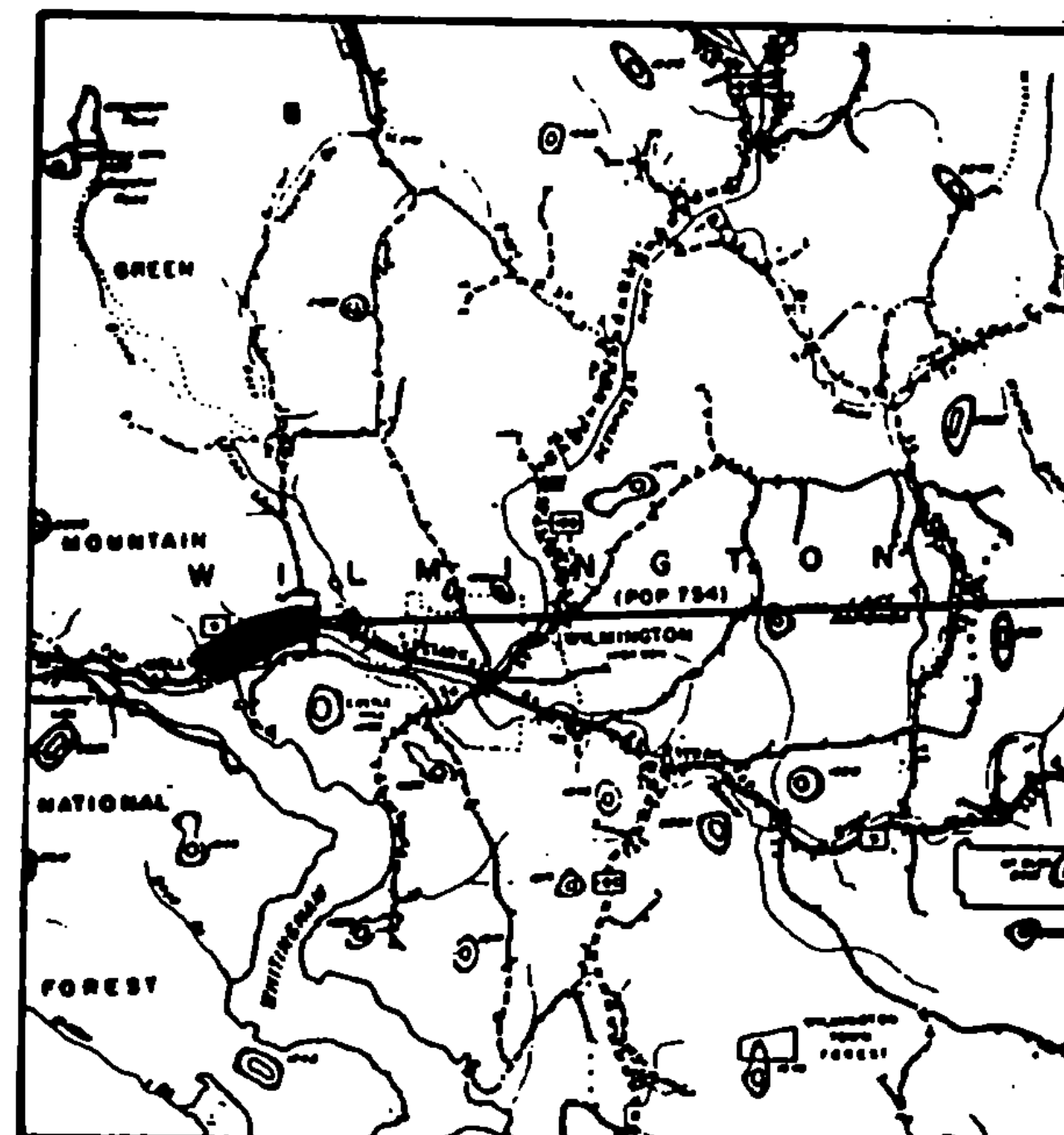
PROPOSED IMPROVEMENT

TOWN OF WILMINGTON

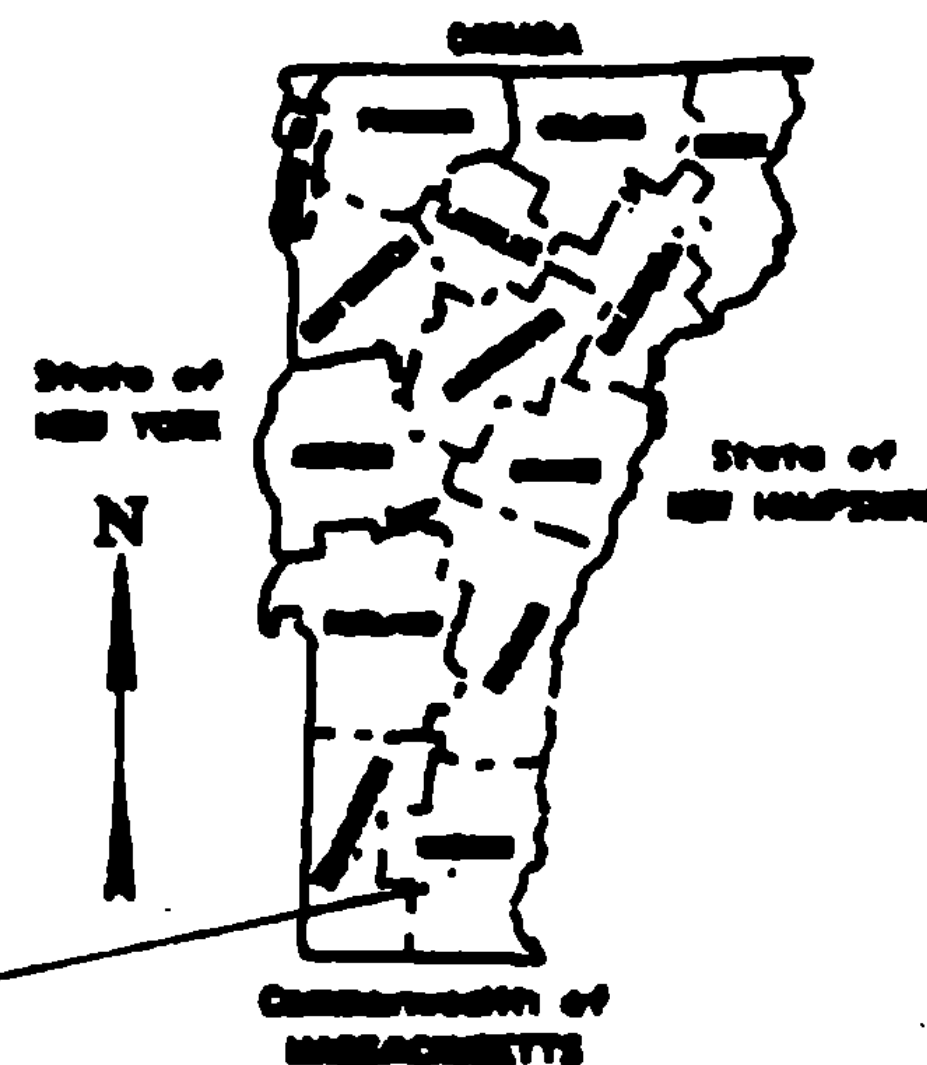
COUNTY OF WINDHAM

ROUTE NO. VT. RT. 9

ROUTE CLASS F.A.P.



SCALE IN MILES



PROJECT
HMA 2830

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1966, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 2, 1966 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 CHIEF ENGINEER DATE _____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED DIVISION ADMINISTRATOR DATE _____

PROJECT HMA 2830

SHEET 1 OF 7 SHEETS

SHT. 30 OF 64 SHTS.

FOR INDEX OF SHEETS, SEE SHT. 2

INDEX OF SHEETS

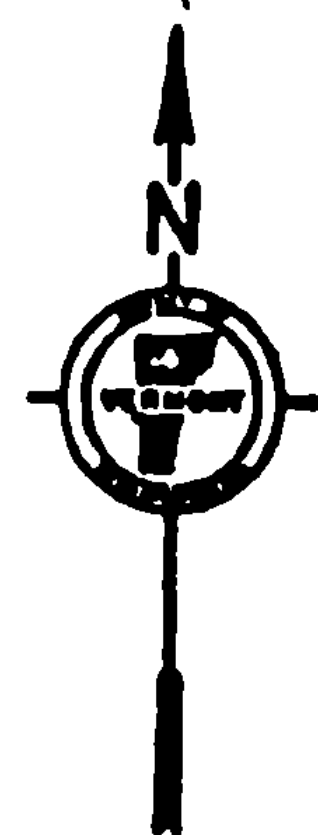
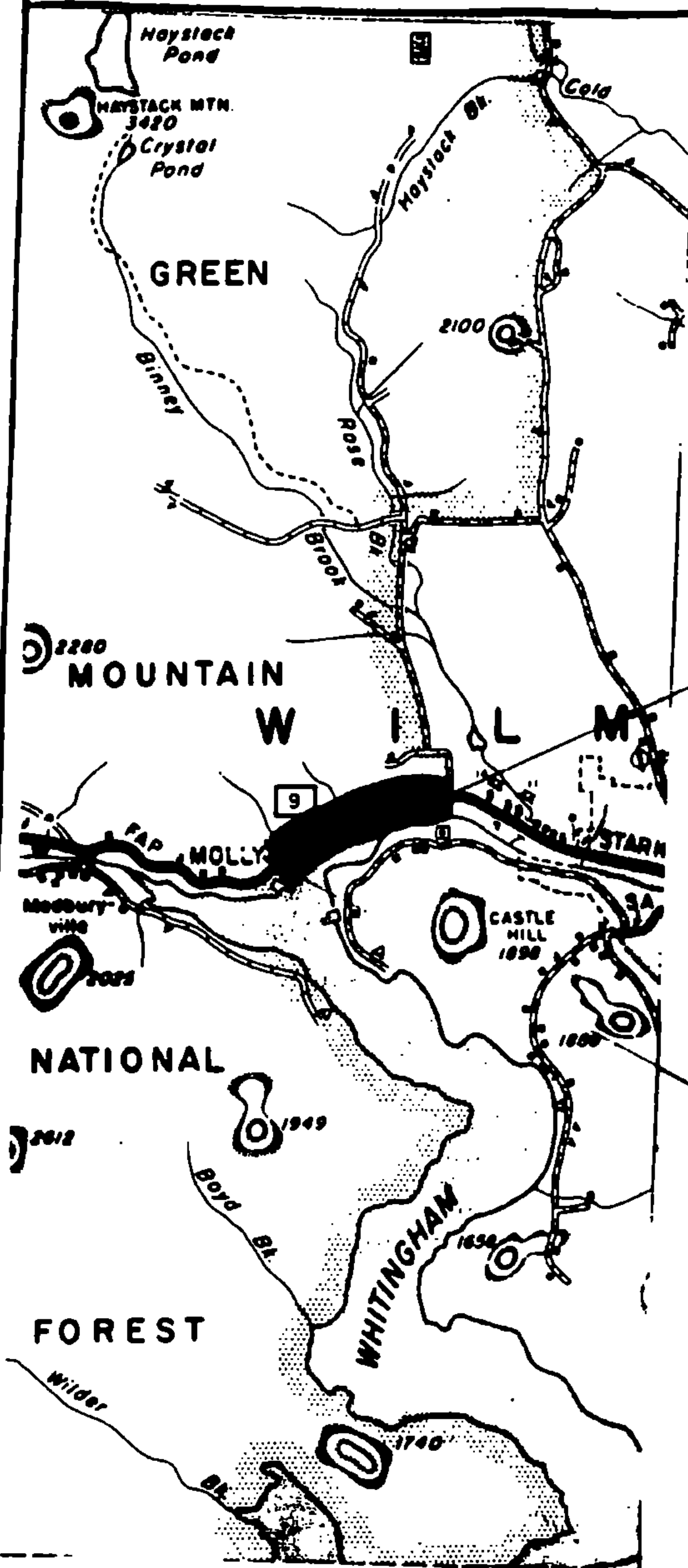
SHEET NO.

1	TITLE SHEET
2	INDEX OF SHEETS
3	PROJECT DESCRIPTION AND LOCATION
4	TYPICAL SECTION AND DESIGN DATA
5,6	PROJECT LENGTHS AND ITEM QUANTITIES
7	CENTERLINE DETAIL SHEET

PROJECT WILMINGTON

NO. HMA 2830
~~SHEET 31 OF 64 SHEETS~~
SHEET 2 OF 7 SHEETS

PROJECT DESCRIPTION AND LOCATION



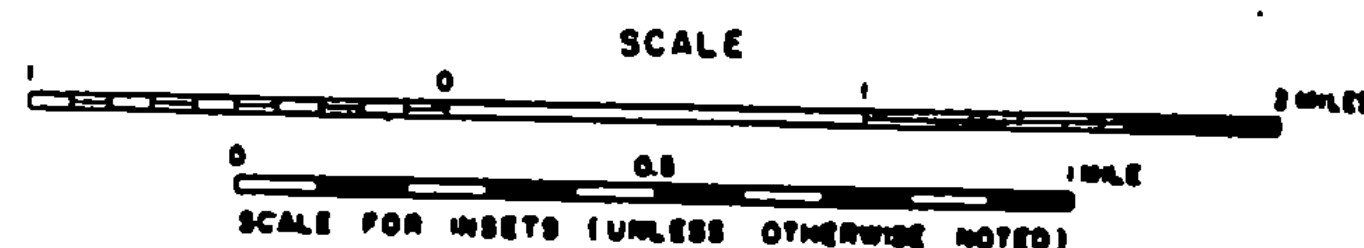
TRAFFIC DATA

1986 AADT = 2940
V = 50 MPH

END PROJECT HMA 2830
MM 1.978

PROJECT INCLUDES OVERLAYMENT OF
EXISTING BIT. CONC. PAVT. (SHOULDERS INCL.)
WITH 1 1/4" BIT. CONC. PAVT. EXISTING
GRAVEL SHOULDERS SHALL BE EXCAVATED,
FILLED WITH AGGREGATE SHOULDER MATERIAL
AND OVERLAYED WITH 1 1/4" BIT. CONC. PAVT.

BEGIN PROJECT HMA 2830
MM 1.270



BEGINNING IN THE TOWN
OF WILMINGTON, ON VT. 9
AT MM 1.270 AND
EXTENDING EASTERLY 0.708
MILES, TO MM 1.978.

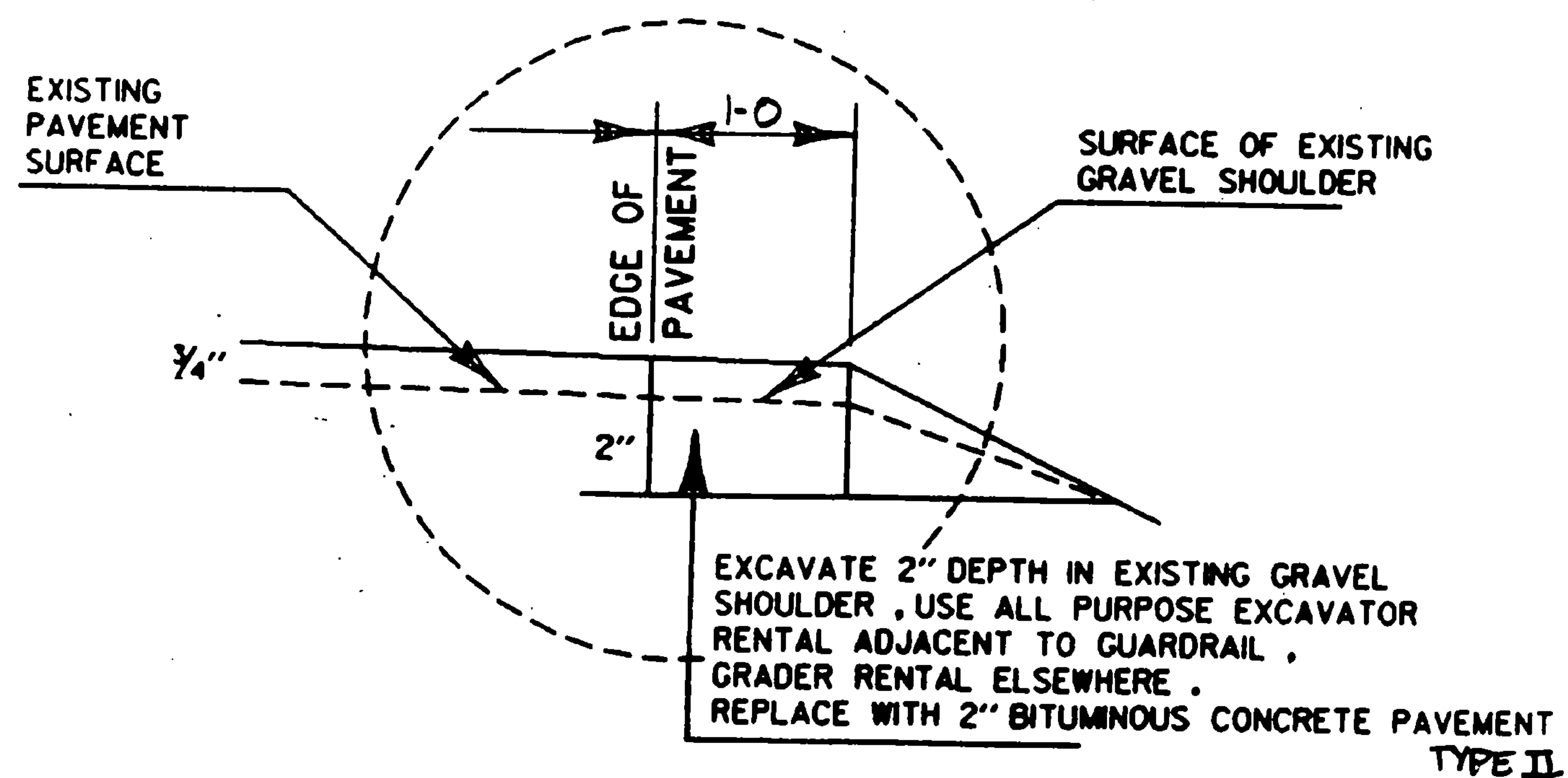
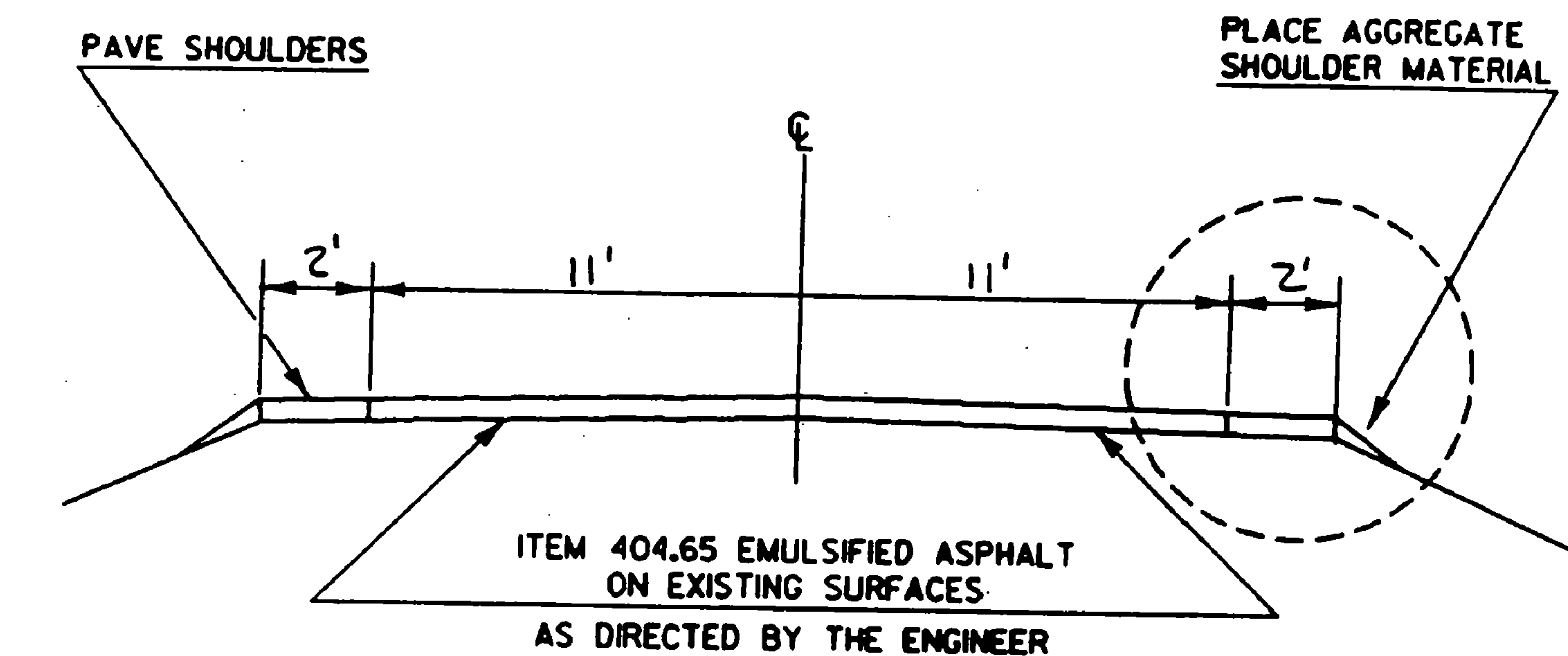
PROJECT LENGTH = 0.708 MI.
= 3738.24 FT.

PROJECT WILMINGTON

NO. HMA 2830 SHT. 32 OF 67
SHEET 3 OF 7 SHEETS

TYPICAL SECTIONS & DESIGN DATA

WILMINGTON MM 1.270 ~ MM 1.978
 ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (395 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III (± 1/4")
 AS DIRECTED BY THE ENGINEER
 NOTE: DESIGNED PAVED SHOULDER IS 2' WIDE
 EXISTING PAVED SHOULDER IS 1' WIDE.



PROJECT WILMINGTON

NO. HMA 2830

SHEET 4 OF 7 SHEETS

SHT 33 OF 64 SHTS.

[illegible]

SHT. 34 OF 64
SHEET 3 OF 7

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION													
TEMPORARY 4" YELLOW LINES													
TEMPORARY 4" WHITE LINES													
TEMPORARY 4" YELLOW LINES													
POWER GRADER RENTAL													
ALL PURPOSE EXCAVATOR RENTAL													
TRUCK RENTAL													
ITEM NO	646.36	~~646.50~~	~~646.24~~	608.35	608.25	608.37							
UNIT	LF	LF	LF	Hr.	Hr.	Hr.							
LOCATION													
				15	5	5							
PROJECT SUBTOTALS	14,873	7476	~~7436~~	15	5	5							Est.
ROUNDING	7	4	~~4~~	-	-	-							
PROJECT TOTALS	14,880	7480	~~7440~~	15	5	5							
Changed by Larry Wheeler 11/18/87													

PROJECT WILMINGTON

NO. HMA 2830

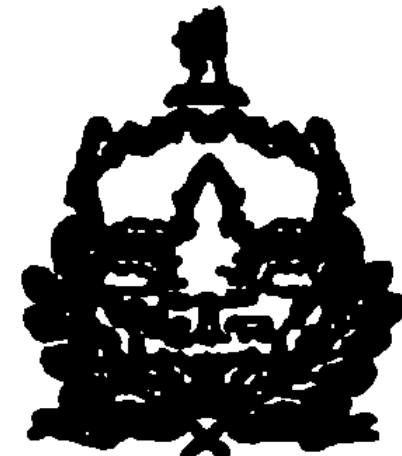
SHT. 35 OF 64
SHEET 6 OF 7

TEMPORARY 4" YELLOW LINE									
	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY Q	QUANTITY RT	TOTAL
	1.270	1.978	SOLID	SOLID		3738		3738	7476 LF
									<u>7476 LF</u>
								SUBTOTAL	7476 LF
*	Deduct 20' * 2 FOR INTERSECTION WITH TOWN HIGHWAY #9 = 40 LF								- 40
									<u>- 40</u>
								SUBTOTAL	7436 LF
*	ASSUME 100% Q LOST DURING SHIMMING 2(7436) =>							TOTAL	14872 LF

[illegible]

NO. HMA 2830 SHT 36 OF 61
SHEET 7 OF 7 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION



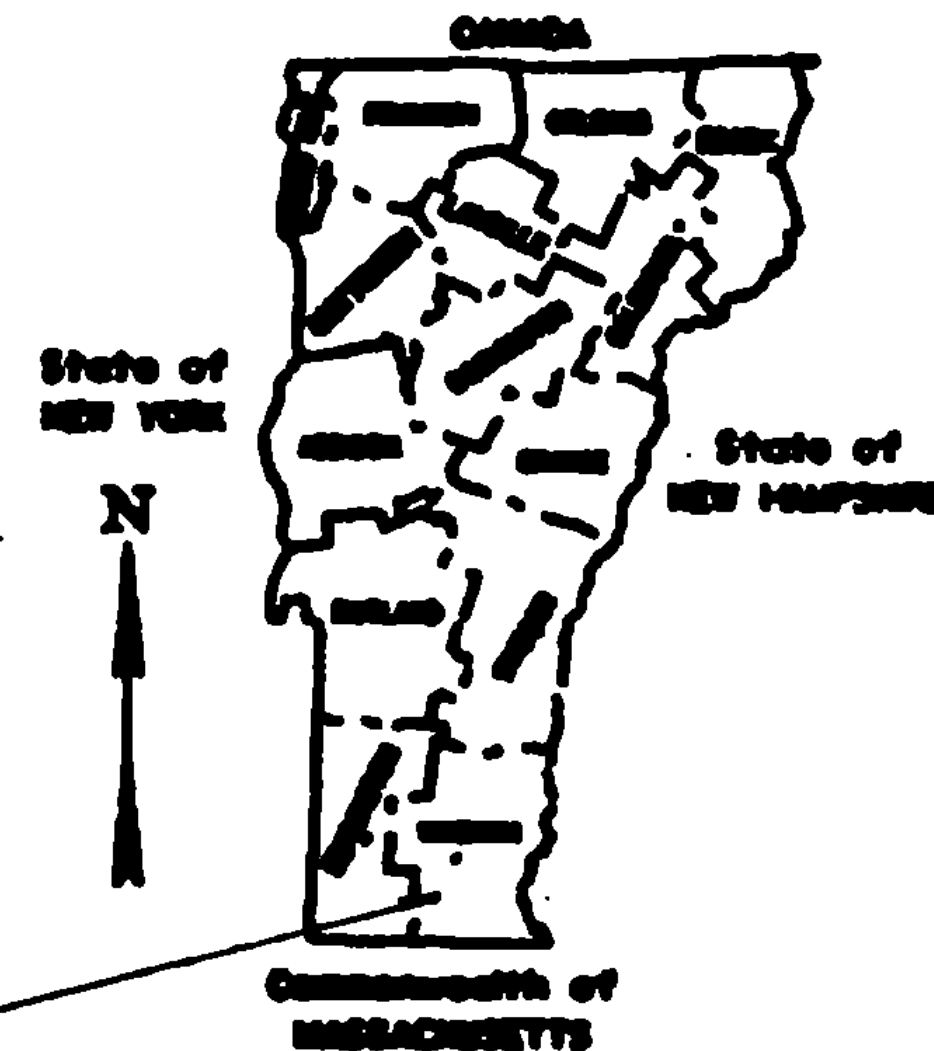
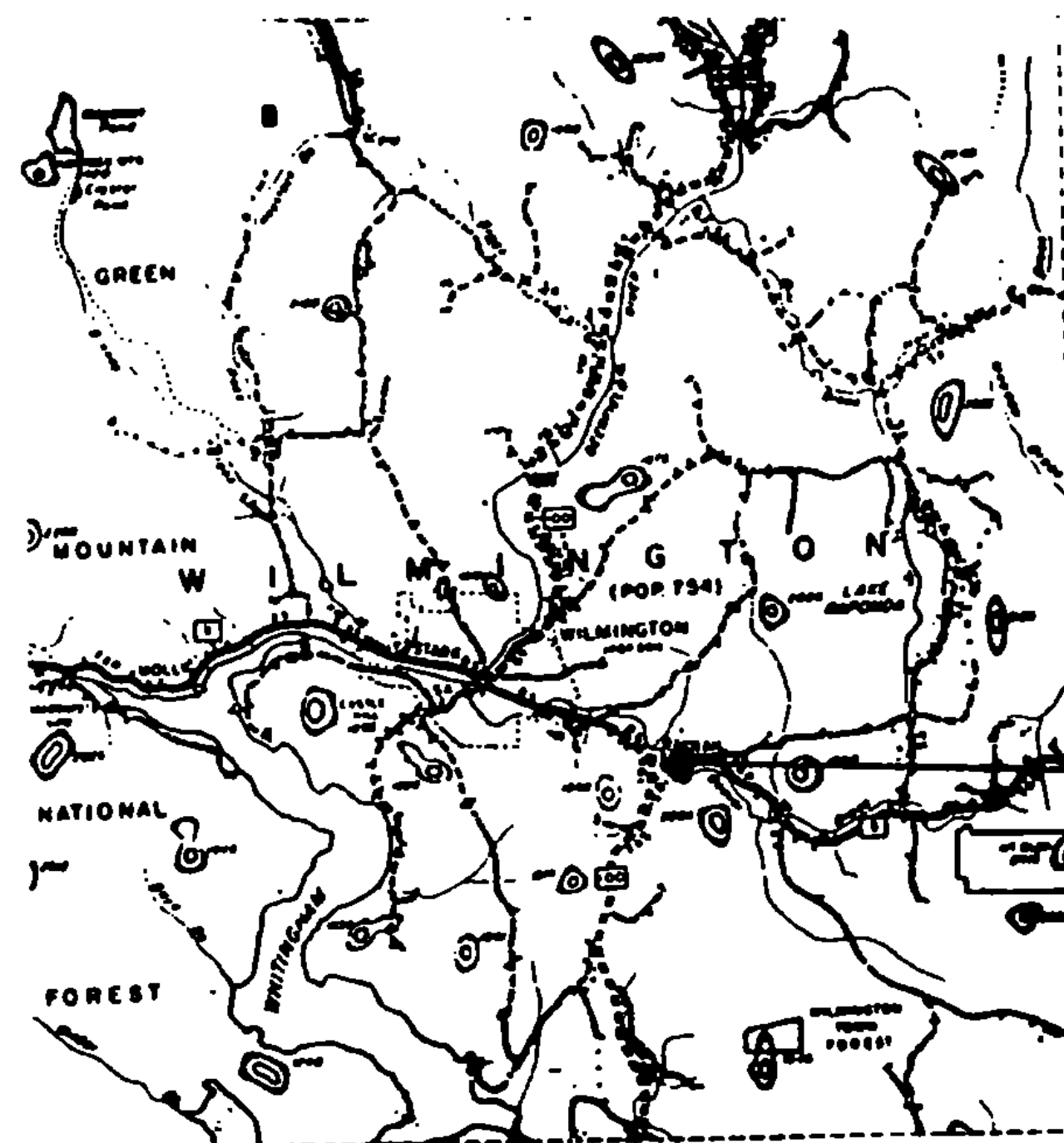
PROPOSED IMPROVEMENT

TOWN OF WILMINGTON

COUNTY OF WINDHAM

ROUTE NO. Vt. Rt. 9

ROUTE CLASS F.A.P.



PROJECT

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1984, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 2, 1985 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 _____ DATE _____
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA # 2815

SHEET 1 OF 6 SHEETS

SHT. 37 OF 64 SHTS



SCALE IN MILES

INDEX OF SHEETS

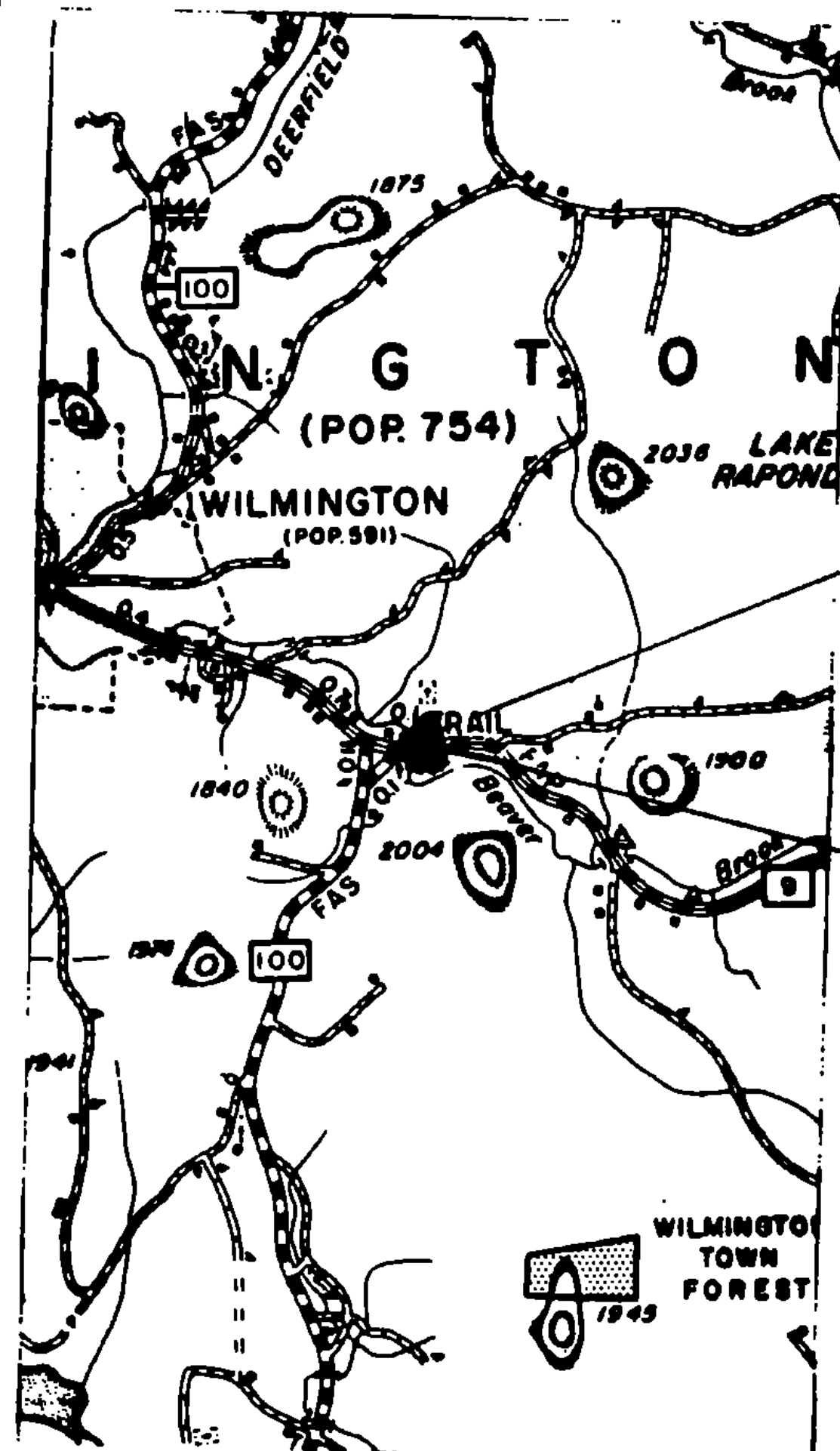
SHEET No.

- 1 TITLE SHEET
- 2 INDEX OF SHEETS
- 3 PROJECT DESCRIPTION AND LOCATION
- 4 TYPICAL SECTION AND DESIGN DATA
- 5 QUANTITIES
- 6 TEMPORARY & MARKING DETAILS

PROJECT WILMINGTON

NO. HMA 2815
SHEET 2 OF 6 SHEETS ^{SHT. 38 OF 64}

PROJECT DESCRIPTION AND LOCATION



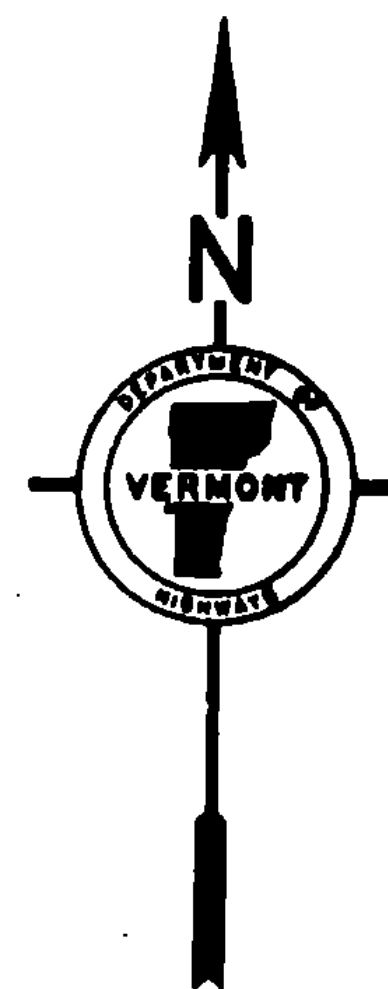
TRAFFIC DATA

1986 AADT = 3150

V = 50 MPH

BEGIN PROJECT
MM 4.283
END OF BRIDGE #34

END PROJECT
MM 4.500



ON VT. RT. 9, 4.283 MILES
EASTERLY OF THE WILMINGTON-
SEARSBURG TOWN LINE, AND
EXTENDING EASTERLY 0.217
MILES TO MM 4.500.

PROJECT INCLUDES THE OVERLAYING OF EXISTING BITUMINOUS
CONCRETE PAVEMENT (SHOULDERS INCLUDED) WITH 1 1/4" BITUMINOUS
CONCRETE PAVEMENT.

*NOTE : BRIDGE NO. 34 OVER BEAVER BROOK IS NOT TO BE
PAVED. OVERLAY TO BE TAPERED DOWN TO MEET
BRIDGE DECK PAVEMENT AT WEST END OF BRIDGE.

PROJECT WILMINGTON

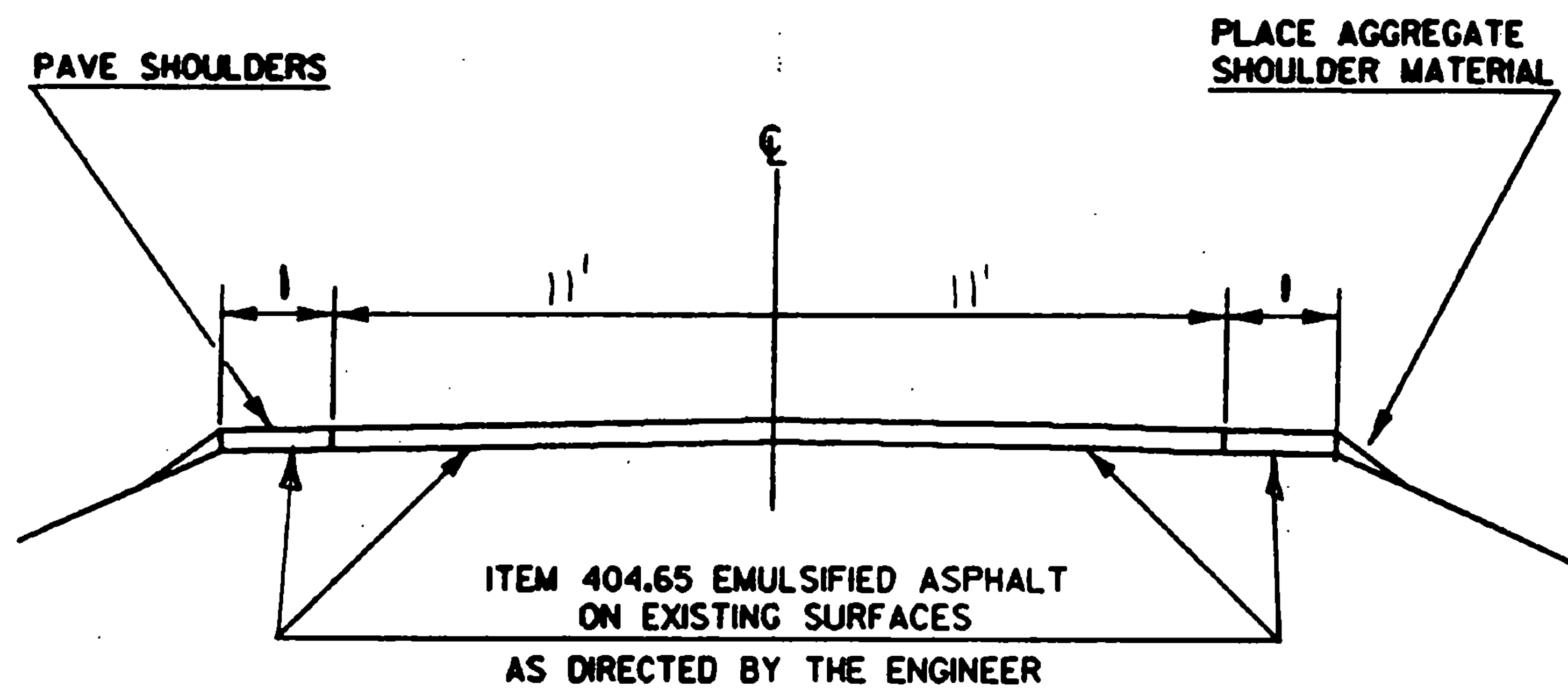
NO. HMA 2815 SHT 39 OF 6
SHEET 3 OF 6 SHEETS

TYPICAL SECTIONS & DESIGN DATA

WILMINGTON MM 4.283 ~ MM 4.500
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (473 TONS/MILE)
1/4" WEARING COURSE TYPE III ($\pm 1/4"$)

AS DIRECTED BY THE ENGINEER

NOTE: PROJECT STARTS AT WEST END OF BRIDGE 34



PROJECT WILMINGTON

NO. HMA 2815

SHEET 4 OF 6 SHEETS
SHEET 40 OF 64

QUANTITIES

[illegible]PROJECT WILMINGTON

NO. HMA 2815

SHEET 41 OF 64
SHEETS OF 6 SHEETS

TEMPORARY 4" YELLOW LINE

[illegible]

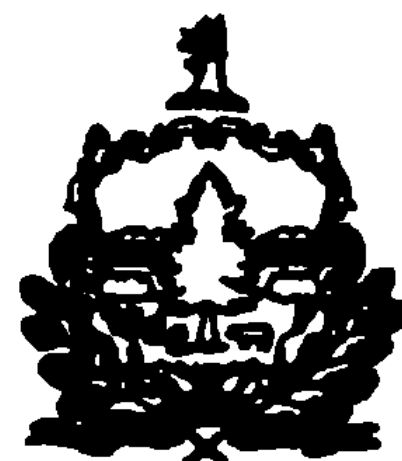
TEMPORARY 4" WHITE LINE

[illegible]

PROJECT WILMINGTON

NO. HMA 2815 SAT 42 OF 64
SAT 6 OF 6 SATS

STATE OF VERMONT
AGENCY OF TRANSPORTATION



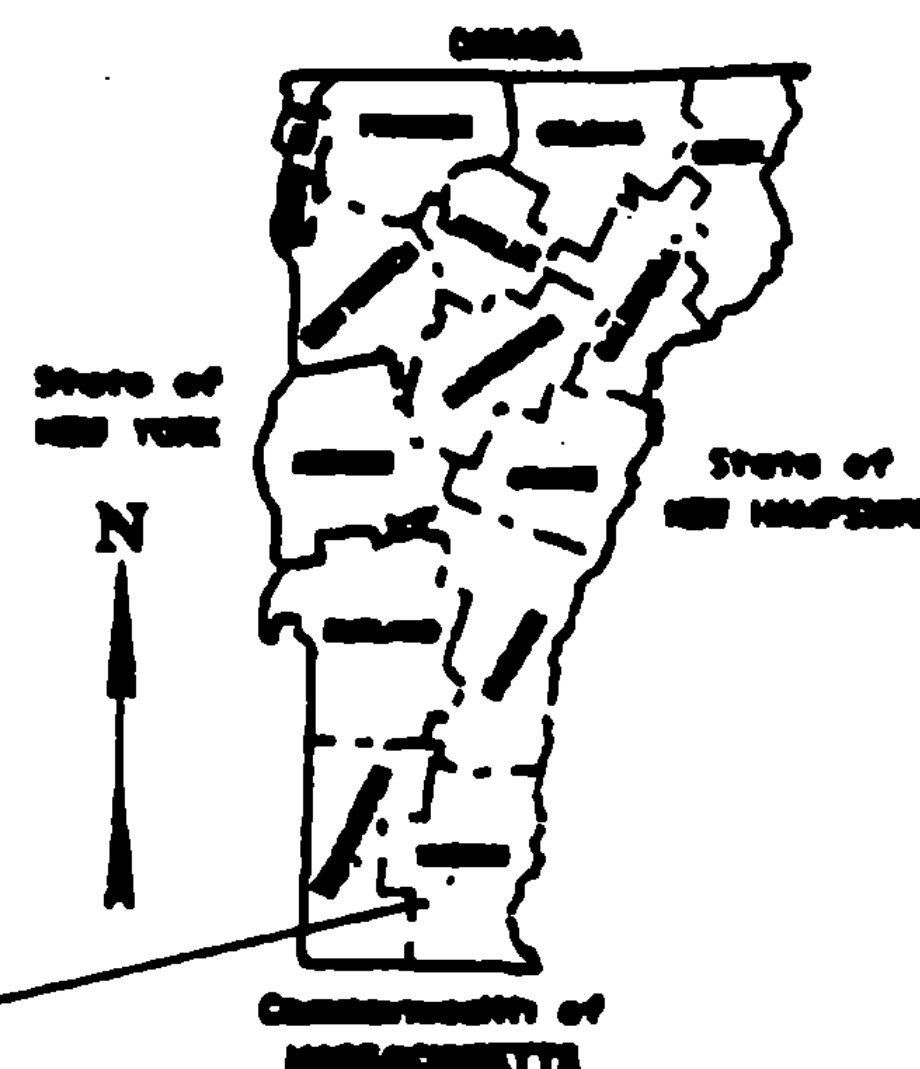
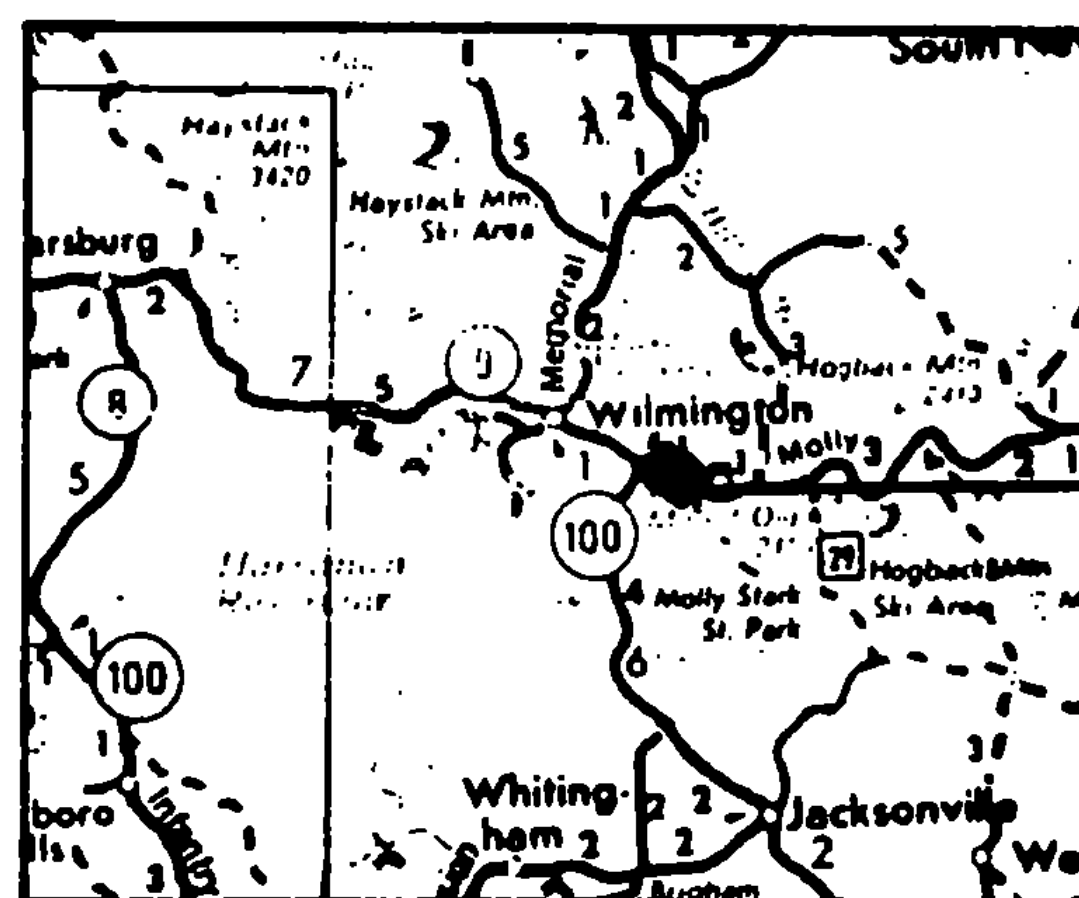
PROPOSED IMPROVEMENT

TOWN OF WILMINGTON

COUNTY OF WINDHAM

ROUTE NO. VT. RT. 9

ROUTE CLASS F.A.P.



PROJECT
HMA 2849

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1966, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 8, 1965 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

REVIEWED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED CHIEF ENGINEER DATE _____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA 2849

SHEET 1 OF 7 SHEETS

SHT. 43 OF 64 SHTS



SCALE IN MILES

FOR INDEX OF SHEETS, SEE SHT. 2

INDEX OF SHEETS

SHEET NUMBER

SHEET DESCRIPTION

1	TITLE SHEET
2	INDEX OF SHEETS
3	PROJECT DESCRIPTION & LOCATION
4	TYPICAL SECTION & DESIGN DATA
5&6	PROJECT LENGTHS & ITEM QUANTITIES
7	CENTERLINE MARKING DETAIL SHEET

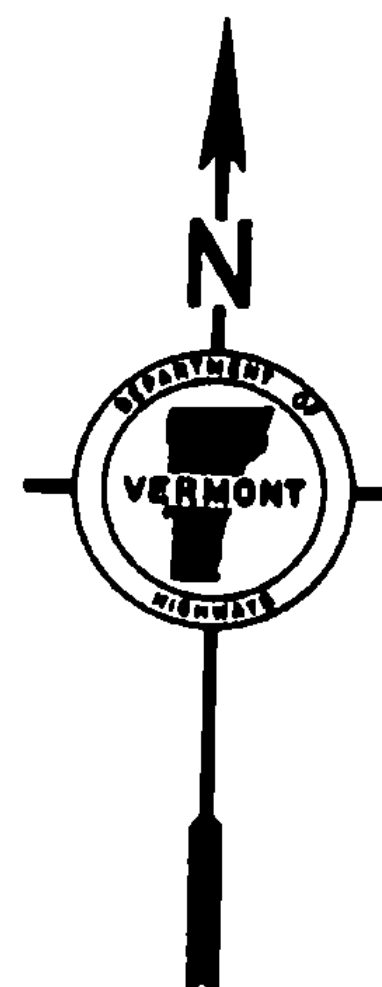
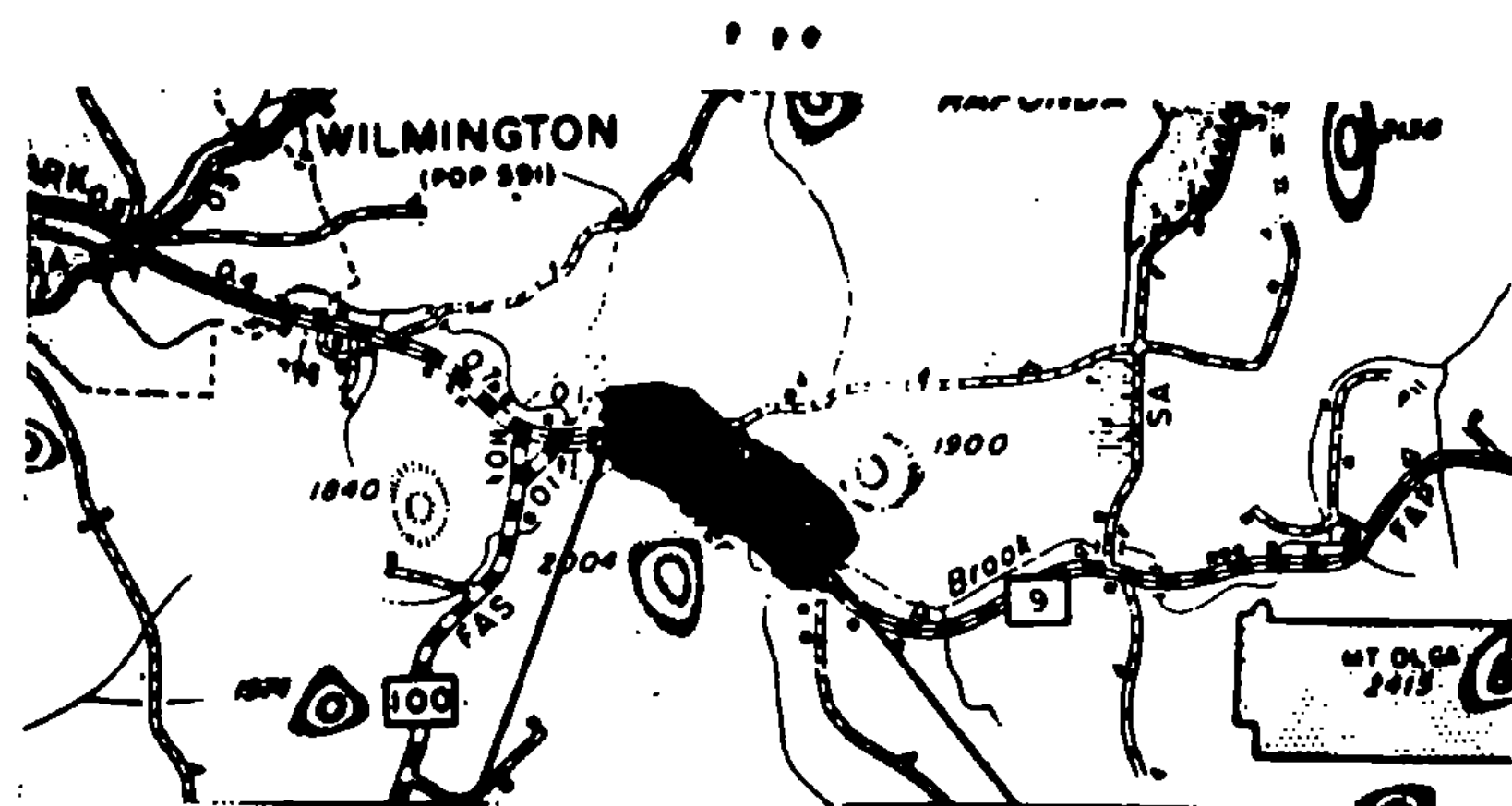
PROJECT WILMINGTON

NO. HMA 2849

SHT. 44 OF 64 SHTS

SHT. 2 OF 7 SHTS.

PROJECT DESCRIPTION AND LOCATION



BEGIN PROJECT HMA
WILMINGTON MM 4.500

END PROJECT HMA
WILMINGTON MM 5.157
STOP AT BRIDGE # 36

0 1 2
SCALE IN MILES

TRAFFIC DATA

1986 AADT = 3150

V = 50 MPH

LENGTH OF PROJECT = 0.657 MI
= 3469.00 FT

ON VT. RT. 9, 4.500 MILES EASTERLY OF THE
WILMINGTON - SEARSBURG TOWN LINE, EXTENDING
EASTERLY 0.657 MILES TO WILMINGTON MM 5.157

PROJECT INCLUDES OVERLAYING EXISTING BITUMINOUS CONCRETE
PAVEMENT (SHOULDERS INCLUDED) WITH 1 1/4" BITUMINOUS CONCRETE
PAVEMENT.

PROJECT WILMINGTON

NO. HMA 2849

SHT. 45 OF 64 SHTS

SHT. 3 OF 7 SHTS

TYPICAL SECTIONS & DESIGN DATA

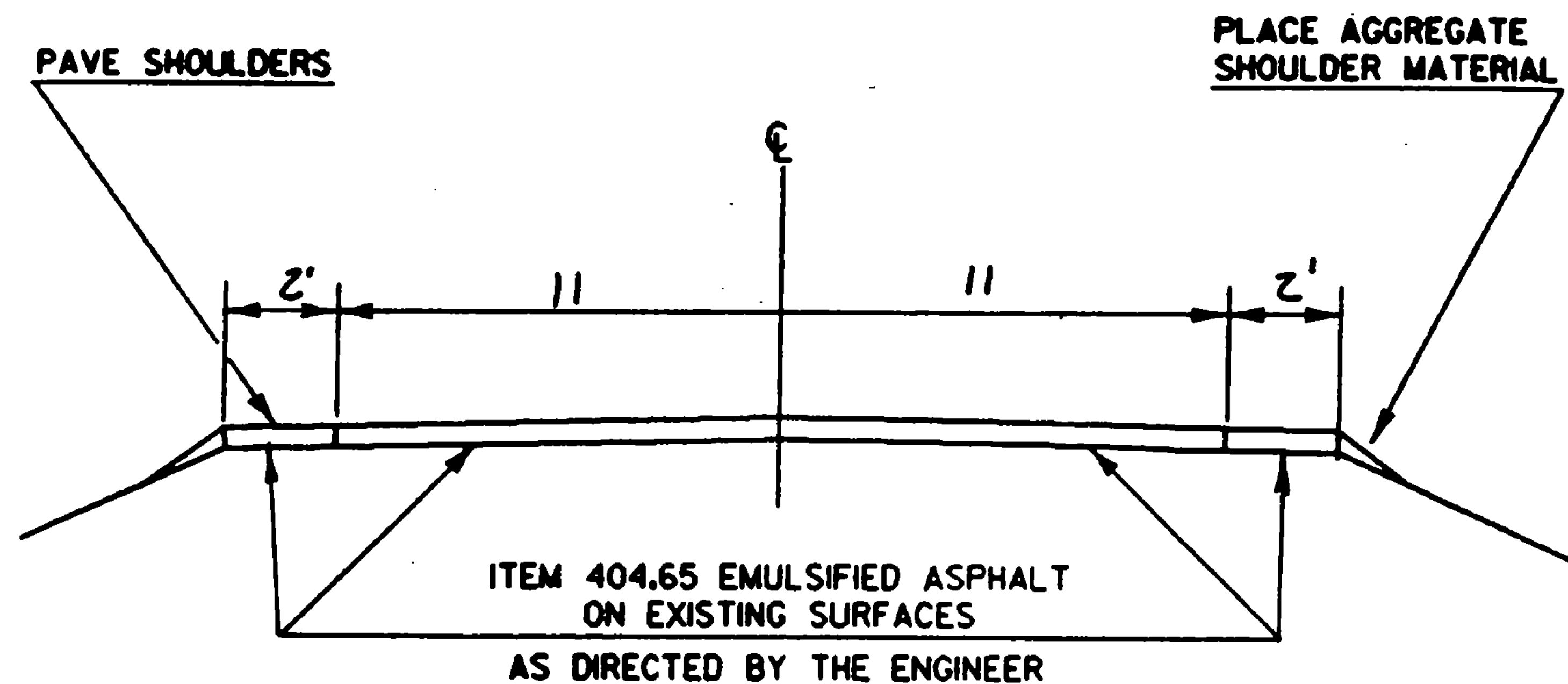
WILMINGTON 4.500 ~ 5.157

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (518 TONS/MILE)

1/4" WEARING COURSE TYPE III ($\pm 1/4"$)

AS DIRECTED BY THE ENGINEER

NOTE: ROADWAY IS CURRENTLY STRIPED
12' & 1'.



PROJECT WILMINGTON

No. HMA 2849

SHEET 4 OF 7 SHEETS

SHEET 46 OF 64 SHEETS

PROJECT	LENGTHS	AND	ITEM	QUANTITIES
---------	---------	-----	------	------------

[illegible]

PROJECT W/100-1000

NO. 4474 377

SHEET 47 OF 64
SHEET 48 OF 64

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	TEMPORARY 4" WHITE LINE TEMPORARY 4" YELLOW LINE TEMPORARY 4" YELLOW LINE TOPSOIL												
	ITEM NO	UNIT	LOCATION	QUANTITY	UNIT	LOCATION	QUANTITY	UNIT	LOCATION	QUANTITY	UNIT	LOCATION	QUANTITY
	646.50	LF		646.30	LF		646.51	LF		651.35	CY		
PROJECT TOTALS	6938			6950			13716			5			
ROUNDING	12			12			4			-			
PROJECT TOTALS	6950			6970			13,720			5			

Changed by Larry Wheeler 11/18/87

PROJECT WILMINGTON

NO. HMA 2849

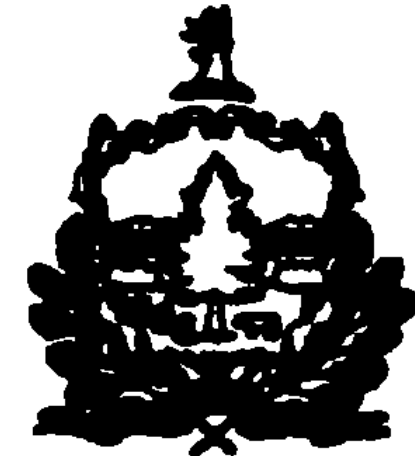
SHEET 48 OF 64
SHEET 6 OF 7

	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY Q	QUANTITY RT		TOTAL
	4.500	5.157	SOLID	SOLID		3469		3469		6938
									SUBTOTAL	6938 LF
	*	DELTA	40'	FOR INTERSECTION W/ T.H. #26						
			40' * 2 LINES =	80 LF						- 80 LF
									SUBTOTAL	6858 LF
	*	ASSUME 100% LOSS OF Q DUE TO SWIMMING								* 2
				6974 * 2					TOTAL	13,716 LF

[illegible]

NO. HMA 2849 SHT. 49 OF 6
SHEET 7 OF 7 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION



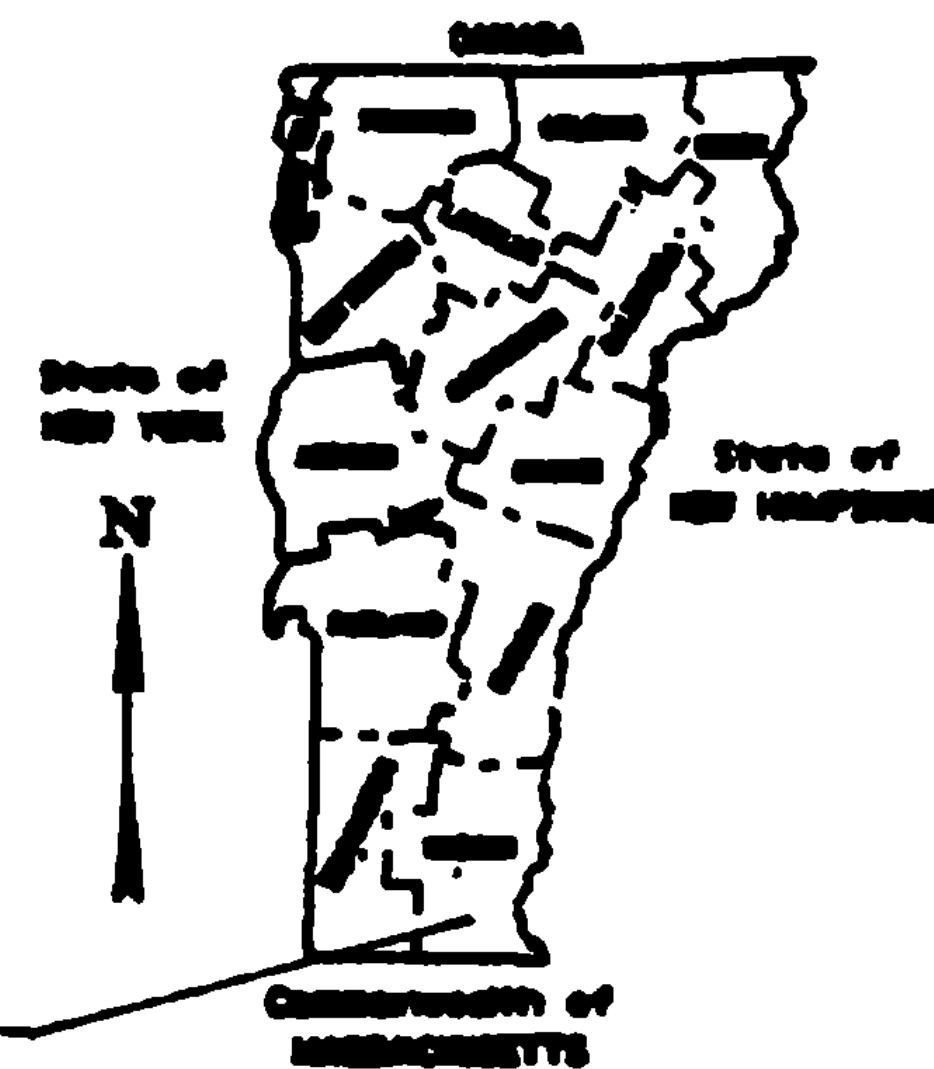
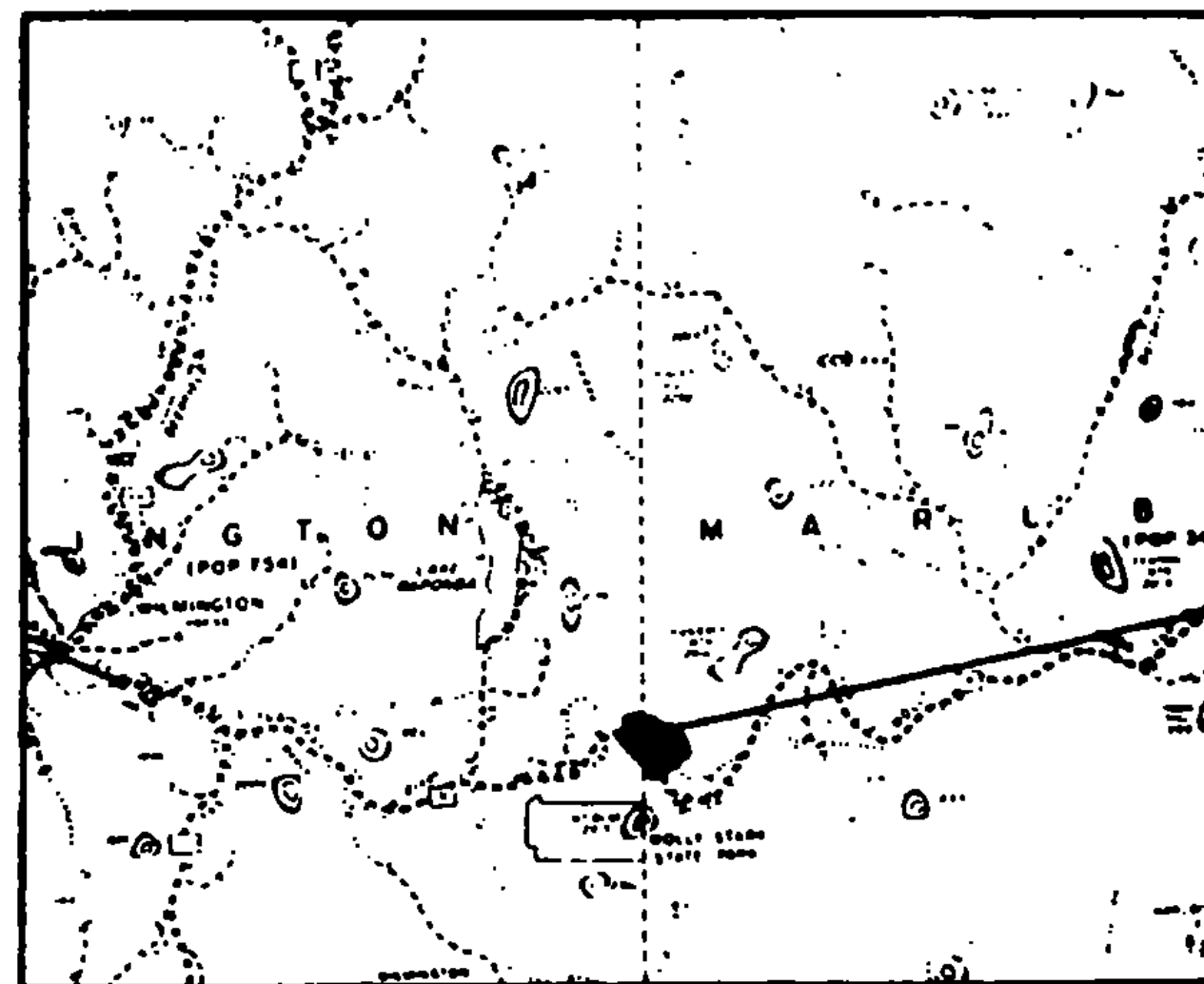
PROPOSED IMPROVEMENT

TOWNS OF WILMINGTON - MARLBORO

COUNTY OF WINDHAM

ROUTE NO. VT. RT. 9

ROUTE CLASS F.A.P.



PROJECT
HMA 2851

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1986, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 8, 1986 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 CHIEF ENGINEER DATE _____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA 2851

SHEET 1 OF 8 SHEETS

0 1 2 3 MILES

SEE SHEET 1 OF 8 SHEETS, SEE SHEET 1

SHEET 50 OF 64 SHEETS

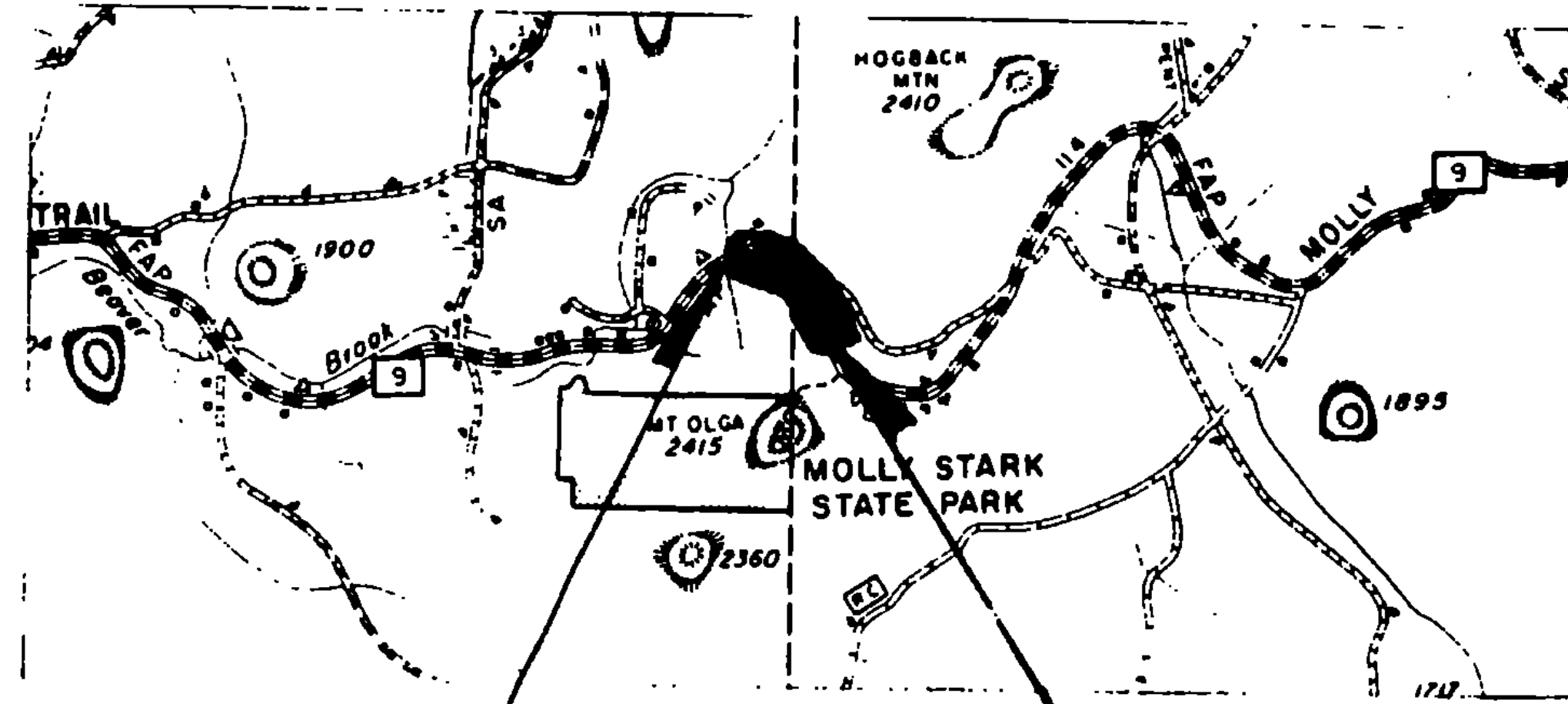
INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE PAGE
2	INDEX OF SHEETS
3	PROJECT DESCRIPTION & LOCATION
4, 5	TYPICAL SECTIONS & DESIGN DATA
6, 7	PROJECT LENGTHS & ITEM QUANTITIES
8	CENTERLINE MARKING DETAIL SHEET

PROJECT WILMINGTON - MALE EN

NO. HMA 2851
SHT 51 OF 64 SHTS.
SHT. 2 OF 8 SHTS.

PROJECT DESCRIPTION AND LOCATION

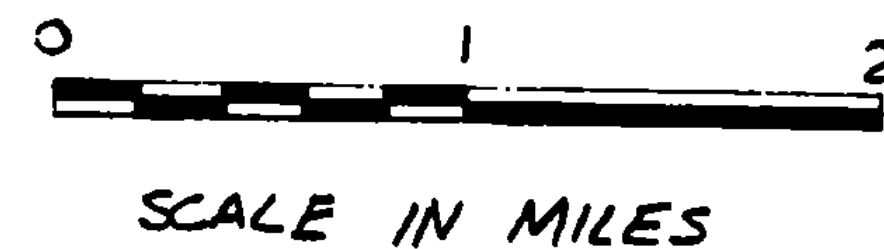


BEGIN PROJECT HMA

WILMINGTON MM 7.118

END PROJECT HMA

MARLBORO MM 0.470



SCALE IN MILES

TRAFFIC DATA

1986 AADT = 3070

V = 50 MPH

LENGTH OF PROJECT = 0.628 MI.

= 3315.8 FT.

ON VT. RT. 9, 7.118 MILES EASTERLY OF THE
WILMINGTON-SEARSBURG TOWN LINE, EXTENDING
EASTERLY 0.628 MILES TO MARLBORO MM 0.470

PROJECT INCLUDES OVERLAYING EXISTING BITUMINOUS CONCRETE PAVEMENT
(CHALKERS INCLUDED), WITH 1 1/4" BITUMINOUS CONCRETE PAVEMENT.

PROJECT WILMINGTON - MARLBORO

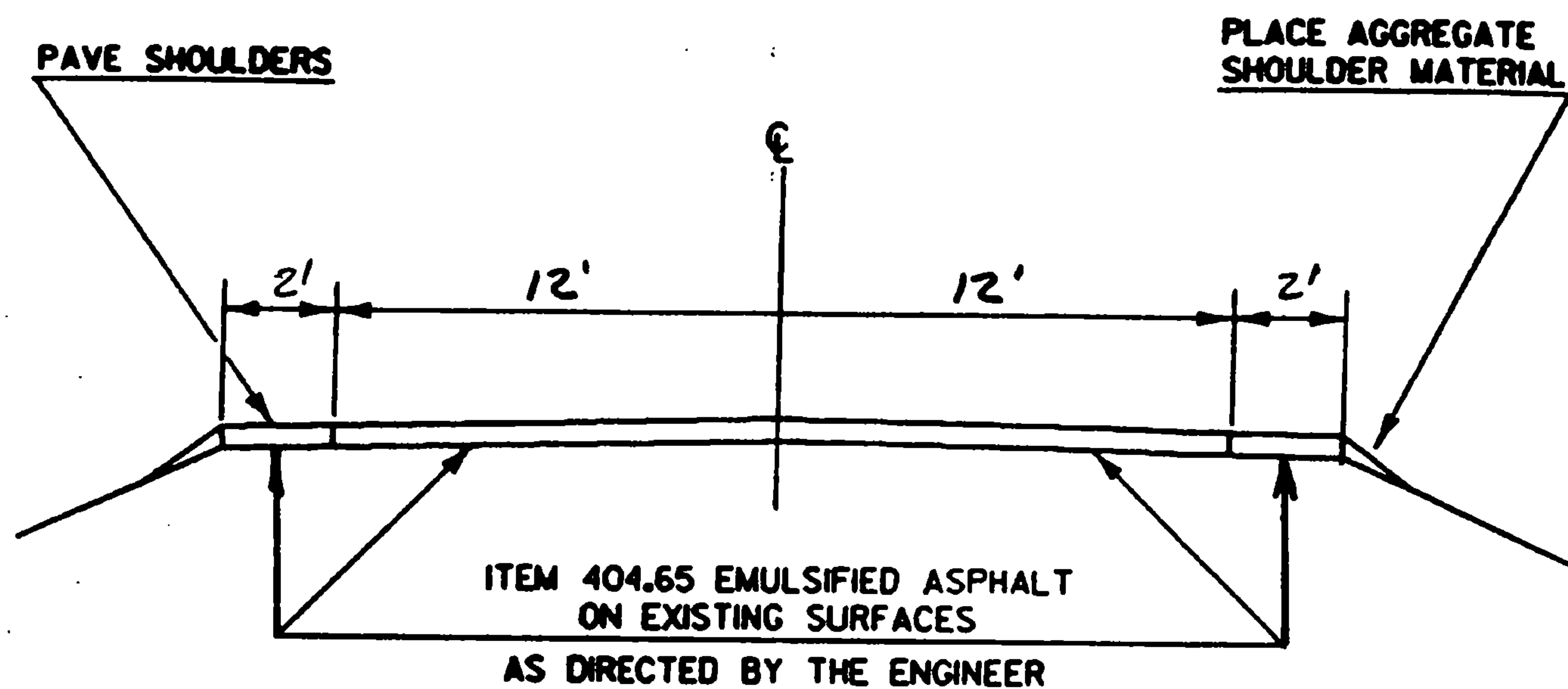
NO. HMA 2851

SHT. 52 OF 64 SHTS.

SHT. 3 OF 8 SHTS.

TYPICAL SECTIONS & DESIGN DATA

WILMINGTON MM 7.118 ~ MARLBORO MM 0.280
ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (341 TONS/MILE)
1 1/4" WEARING COURSE TYPE III (± 1/4")
AS DIRECTED BY THE ENGINEER



PROJECT WILMINGTON-MARLBORO

NO. HMA 2851

SHEET 4 OF 8 SHEETS

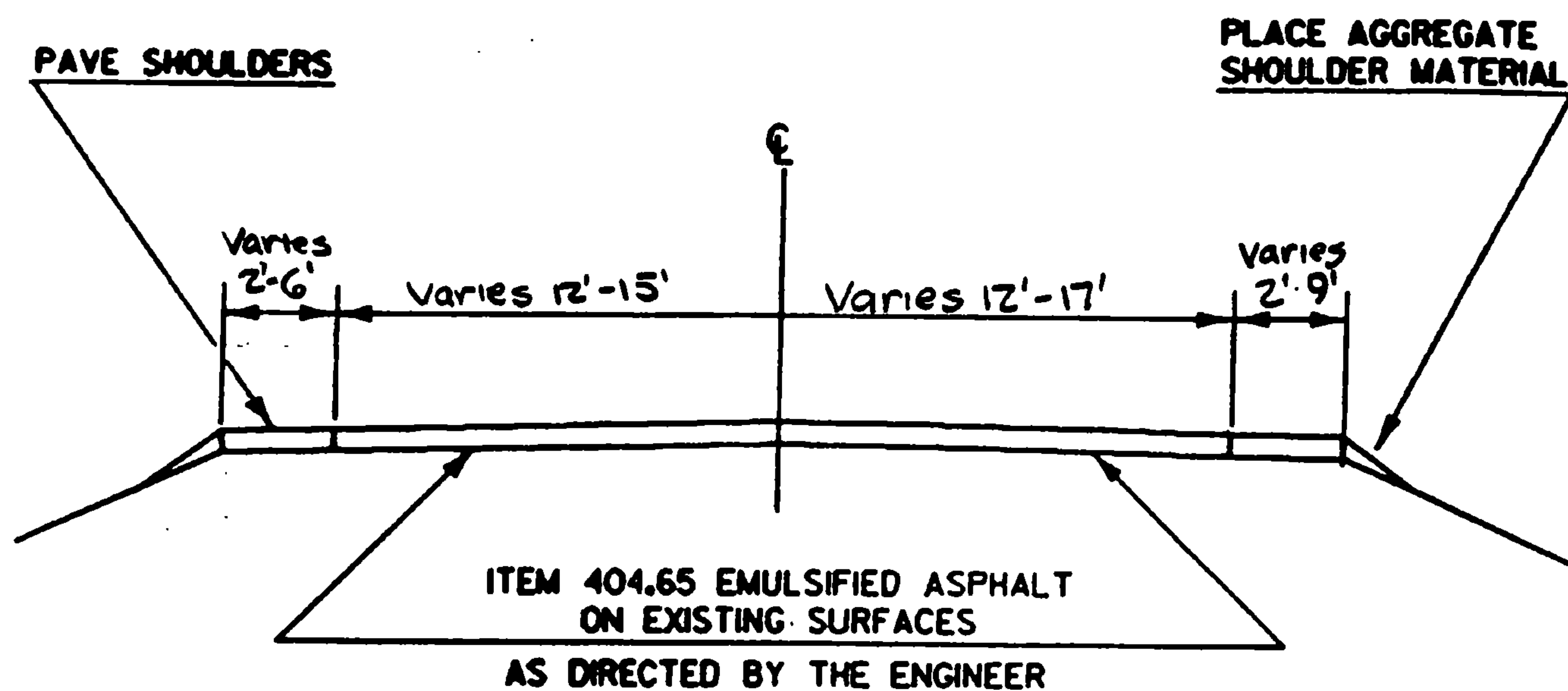
SHEET 53 OF 64 SHTS

TYPICAL SECTIONS & DESIGN DATA

MARLBORO MM 0.280 ~ MM 0.470
 ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (432 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)

AS DIRECTED BY THE ENGINEER

NOTE: ROADWAY & SHOULDER WIDTHS TAPER TO LIMITS
 SHOWN STARTING AT MM 0.280 TO END OF
 PROJECT.



PROJECT WILMINGTON - MARLBORO

NO. HMA 2851

SHEET 5 OF 8 SHEETS

SHT. 54 OF 64

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM NO	LENGTH		WIDTH	OVERLAY DEPTH	LEVELING DEPTH	AGGREGATE COURSE, TYPE IV	AGGREGATE SHOULDERS	AGGREGATE SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS ASPHALT TYPE III	BITUMINOUS CONCRETE TYPE III	POWER BROOM RENTAL	CHANGE OF ELEVATION (CB, DI, OR MH)	UNIFORMED TRAFFIC OFFICERS	FLAG PERSONS	MOBILIZATION
	FT.	FT.														
UNIT	FT.	FT.	IN.	TONS/MIL.	402.11 CY.	402.12 TON	404.65 CWT.	406.25 TON	406.25 TON	608.30 HR.	604.40 EA.	630.10 HR.	630.15 HR.	635.10 LS.		
LOCATION																
WILMINGTON MM 7.118 - MARLBORO MM 0.270	2312.64	24	1.25		-	-	7.68	428.3								ROADWAY
	2312.64	6	1.25		-	25	1.28	71.4								SHOULDERS
	2312.64			341					149.4							LEVELING
MARL. MM 0.280 - 0.470	1003.20	29.5	1.25		-	-	3.88	216.7								
	1003.20	9	1.25		-	-	1.32	73.5	82.1							
	1003.20			432												
DRIVES & T.H.'s						25	1.0	10								EST.
PROJECT SUBTOTALS						50	15.2	799.9	231.5	5.0	-	90.1	90.1	0.054		
ROUNDING								1031.4								
						-	0.8	8.6	1.0			9.9	9.9			
PROJECT TOTALS						50	16	1040	6.0	-		100	100	0.054		

PROJECT Highway 71 - Marlboro NO. HMA 2801

SHEET 55 OF 64
SHEET 6 OF 8

PROJECT	LENGTHS	AND	ITEM	QUANTITIES
1	100	100	100	100
2	100	100	100	100
3	100	100	100	100
4	100	100	100	100
5	100	100	100	100
6	100	100	100	100
7	100	100	100	100
8	100	100	100	100
9	100	100	100	100
10	100	100	100	100
11	100	100	100	100
12	100	100	100	100
13	100	100	100	100
14	100	100	100	100
15	100	100	100	100
16	100	100	100	100
17	100	100	100	100
18	100	100	100	100
19	100	100	100	100
20	100	100	100	100
21	100	100	100	100
22	100	100	100	100
23	100	100	100	100
24	100	100	100	100
25	100	100	100	100
26	100	100	100	100
27	100	100	100	100
28	100	100	100	100
29	100	100	100	100
30	100	100	100	100
31	100	100	100	100
32	100	100	100	100
33	100	100	100	100
34	100	100	100	100
35	100	100	100	100
36	100	100	100	100
37	100	100	100	100
38	100	100	100	100
39	100	100	100	100
40	100	100	100	100
41	100	100	100	100
42	100	100	100	100
43	100	100	100	100
44	100	100	100	100
45	100	100	100	100
46	100	100	100	100
47	100	100	100	100
48	100	100	100	100
49	100	100	100	100
50	100	100	100	100
51	100	100	100	100
52	100	100	100	100
53	100	100	100	100
54	100	100	100	100
55	100	100	100	100
56	100	100	100	100
57	100	100	100	100
58	100	100	100	100
59	100	100	100	100
60	100	100	100	100
61	100	100	100	100
62	100	100	100	100
63	100	100	100	100
64	100	100	100	100
65	100	100	100	100
66	100	100	100	100
67	100	100	100	100
68	100	100	100	100
69	100	100	100	100
70	100	100	100	100
71	100	100	100	100
72	100	100	100	100
73	100	100	100	100
74	100	100	100	100
75	100	100	100	100
76	100	100	100	100
77	100	100	100	100
78	100	100	100	100
79	100	100	100	100
80	10			

ITEM DESCRIPTION

ION

TEMPORARY

~~TEMPORARY~~

~~TEMPORARY~~

ARY
4" WHITE LINE
~~4" YELLOW LINE~~
TEMPORARY 4" YELLOW LINE
TOPSOIL

[illegible]

Changed by Larry Wheeler 11/18/87

PROJECT WILMINGTON - MAPLEWOOD NO. HMP 2851

SHEET 56 OF 64
SHEET 7 OF 8

	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY Q	QUANTITY RT		TOTAL
	WILMINGTON 7.118	MARLBORO 0.470	SOLID	SOLID		3315.84		3315.84		6631.68
									GROSS TOTAL	6631.68
*	Deduct 80' FOR EACH INTERSECTION WITH TOWN HIGHWAYS (2 * 80') = 160 LF									-160 LF
									SUBTOTAL	6472
										* 2
*	ASSUME 100% LOSS OF Q DURING LEVELING : 2 * 6472 =									12,944 L.

[illegible]

NO. HMA 2851 SHT 57 OF 6
SHEET 8 OF 8 SHEETS