

STATE OF VERMONT

AGENCY OF TRANSPORTATION

Date JAN 25 1988
F.W. Whitcomb CONSTRUCTION CORPORATION
Contractor

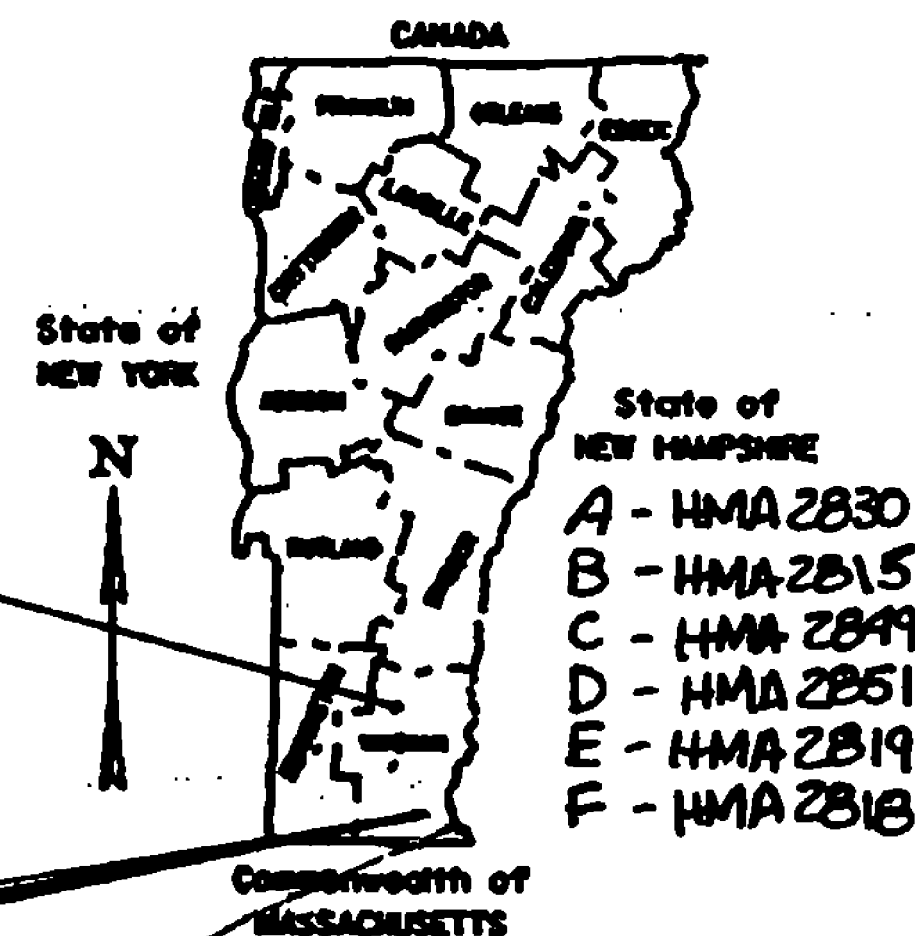
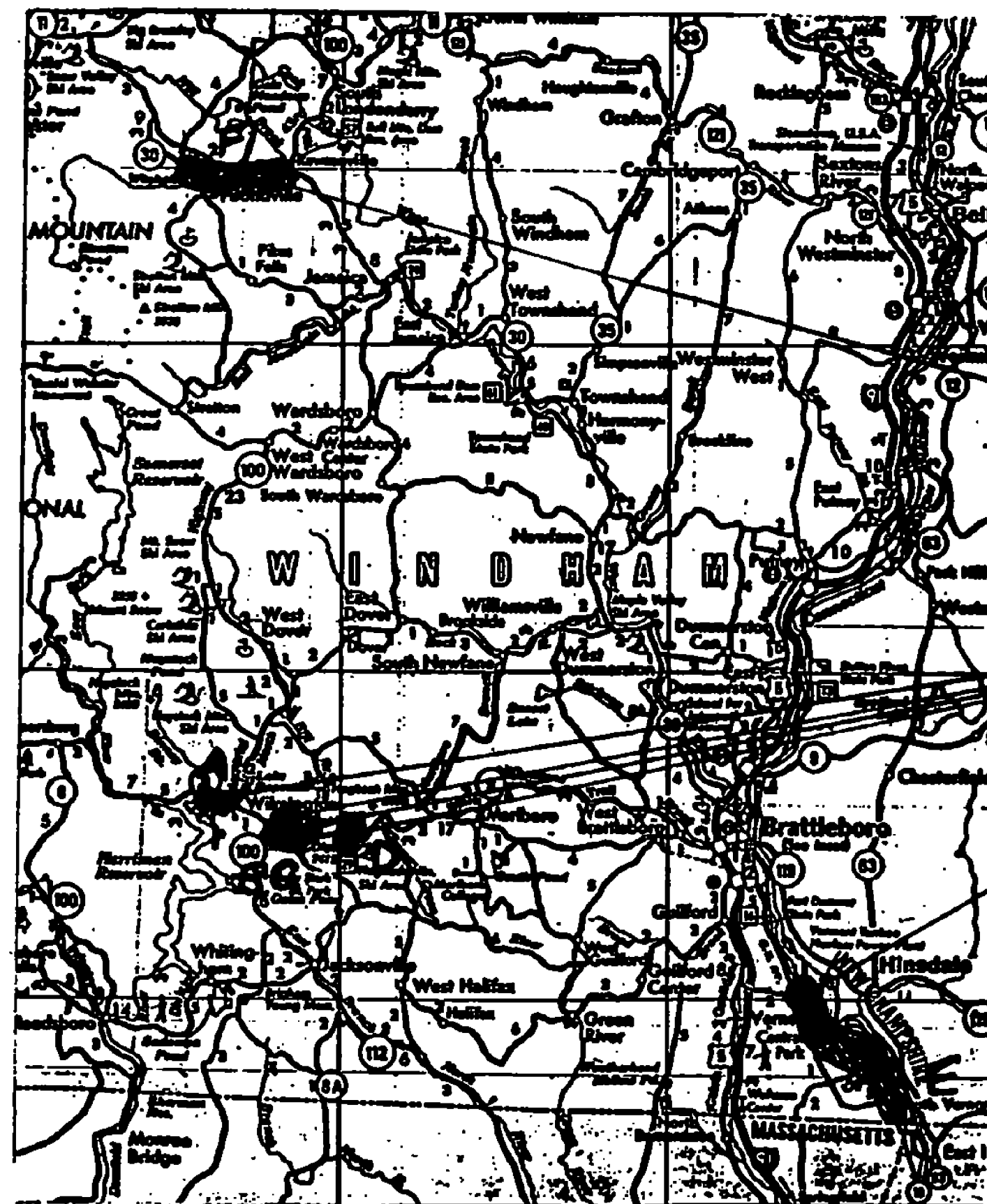
[Signature]
Signature
President Title



CONTRACT PLANS

THESE PLANS DO NOT REFLECT CHANGES MADE ON THE PROJECT AS "RECORD PLANS" WOULD.

[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 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 David H. Kelley DATE 8/25/87
CHIEF ENGINEER

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

PROJECT HMA #2 DIST. #2 PAVING
SHEET 1 OF 64 SHEETS



FOR INDEX OF SHEETS, SEE SHEET 2

INDEX OF SHEETS

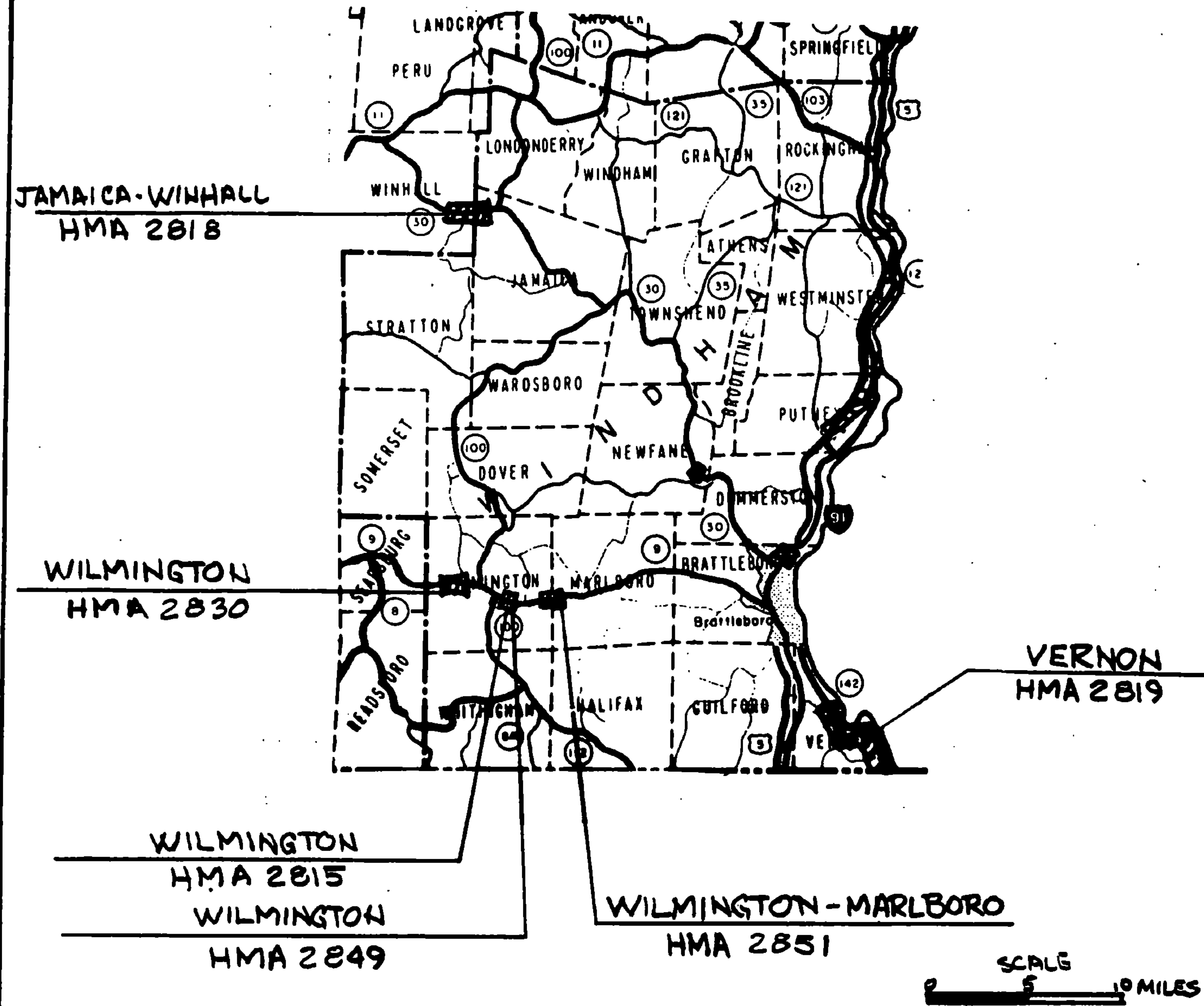
1. COMPOSITE TITLE SHEET
2. COMPOSITE INDEX OF SHEETS
3. COMPOSITE PROJECT LOCATION SHEET
- 4,5 COMPOSITE PROJECT QUANTITY SHEETS
6. PAVING LIMITS FOR TOWN ROADS & DRIVES
7. MARKINGS AT INTERSECTING SIDE ROADS
8. GUIDELINES FOR MINIMUM INTERIM PAVEMENT MARKINGS IN CONSTRUCTION ZONES
- 9.-18. PROJECT 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



PROJECT	OVERLAY DEPTH	BEGIN	END	LENGTH (FT)	LENGTH (MI)
JAMAICA-WINHALL HMA 2818	1 1/4"	JAMAICA 2.525	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

NO. HMA PAVING
SHEET 3 OF 64 SHEETS

PROJECT 1987 DIST. 2 PAVING

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 (TYPE D)
 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	646.34	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	6950	6910	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	11955	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																	
JAMAICA-VINHALL																	
HMA 2818	24		12		3200	6350											
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	127250	231070											

PROJECT 1987 DIST. 2 PAVING

NO. HMA'S

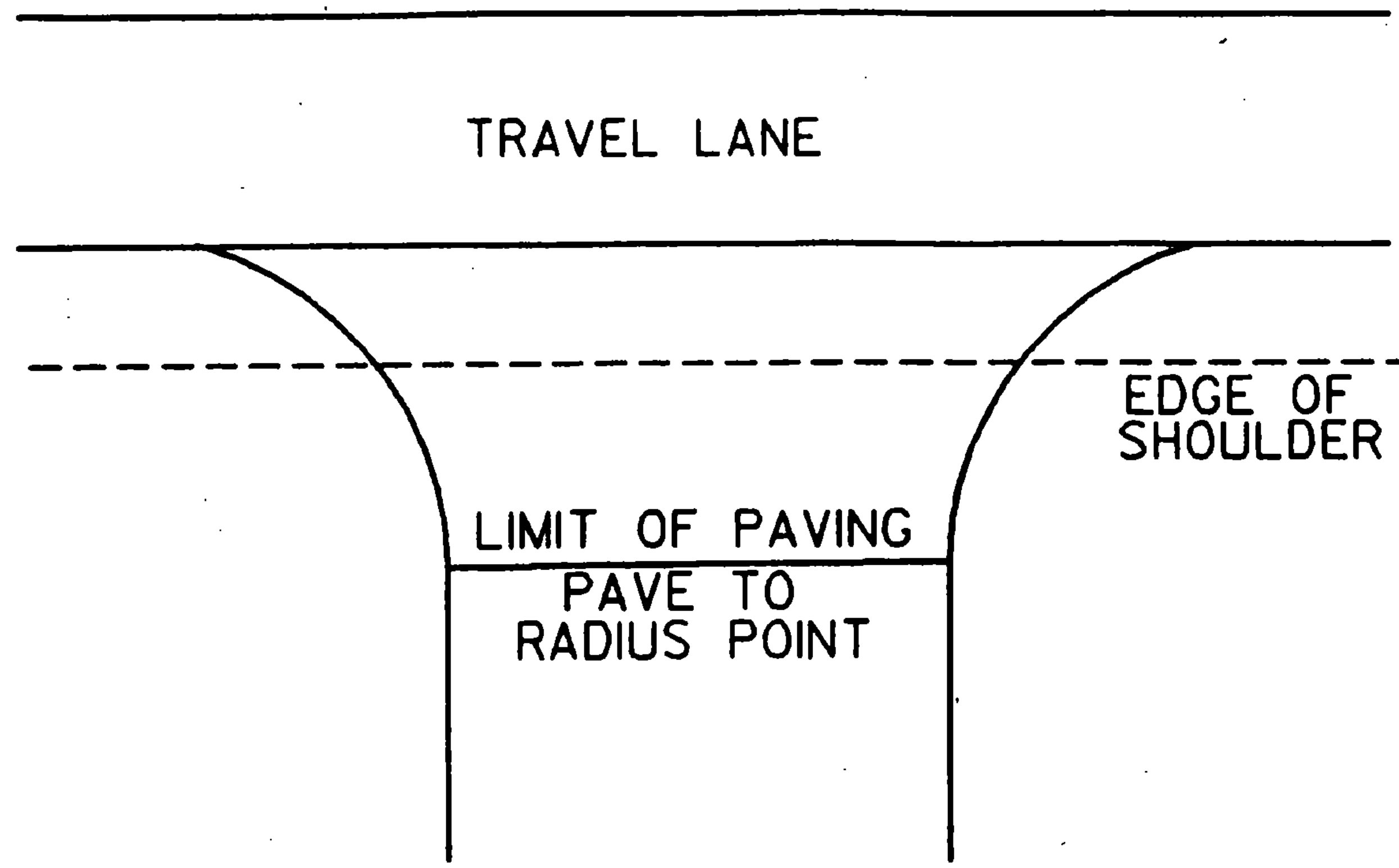
SHEET 5 OF 64

Changed by Larry Wheeler 11/18/87

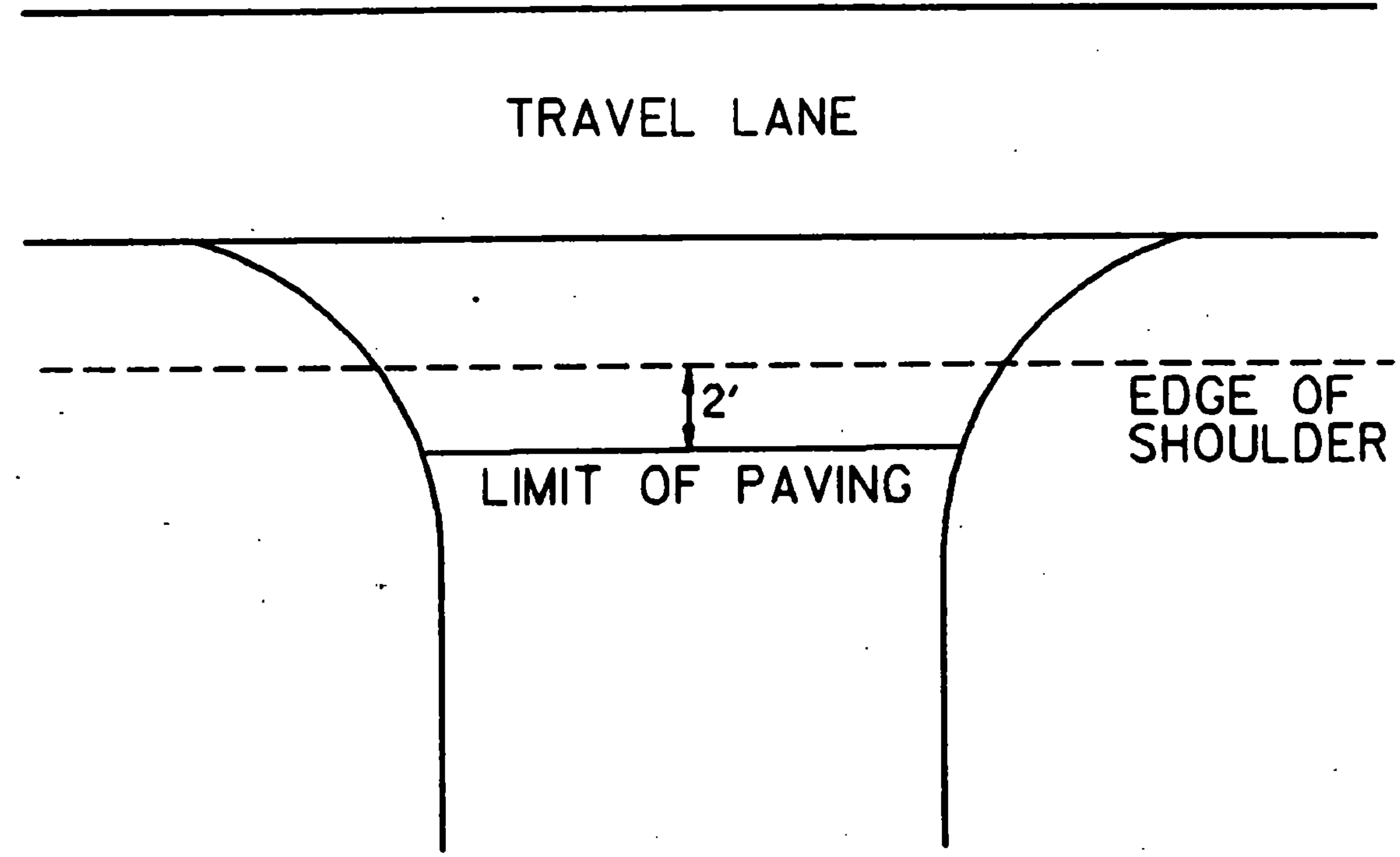
SIGN H-3 IS THE ENGINEER. THE

PAVING LIMITS FOR TOWN ROADS & DRIVES

PAVING LIMITS FOR TOWN ROADS



PAVING LIMITS FOR DRIVES



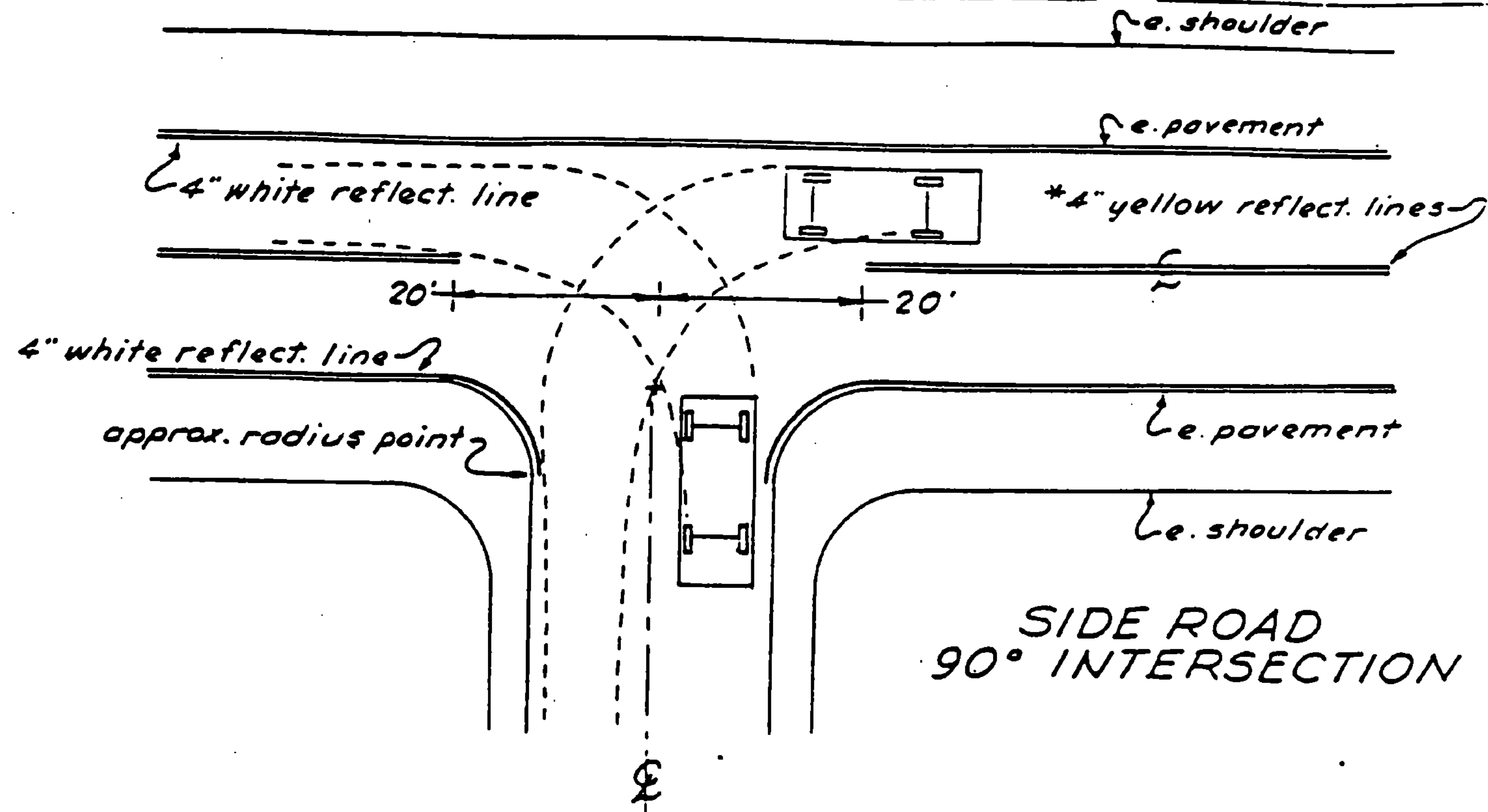
PROJECT 1987 DIST. 2 PAVING

NO. HMA PROJECTS

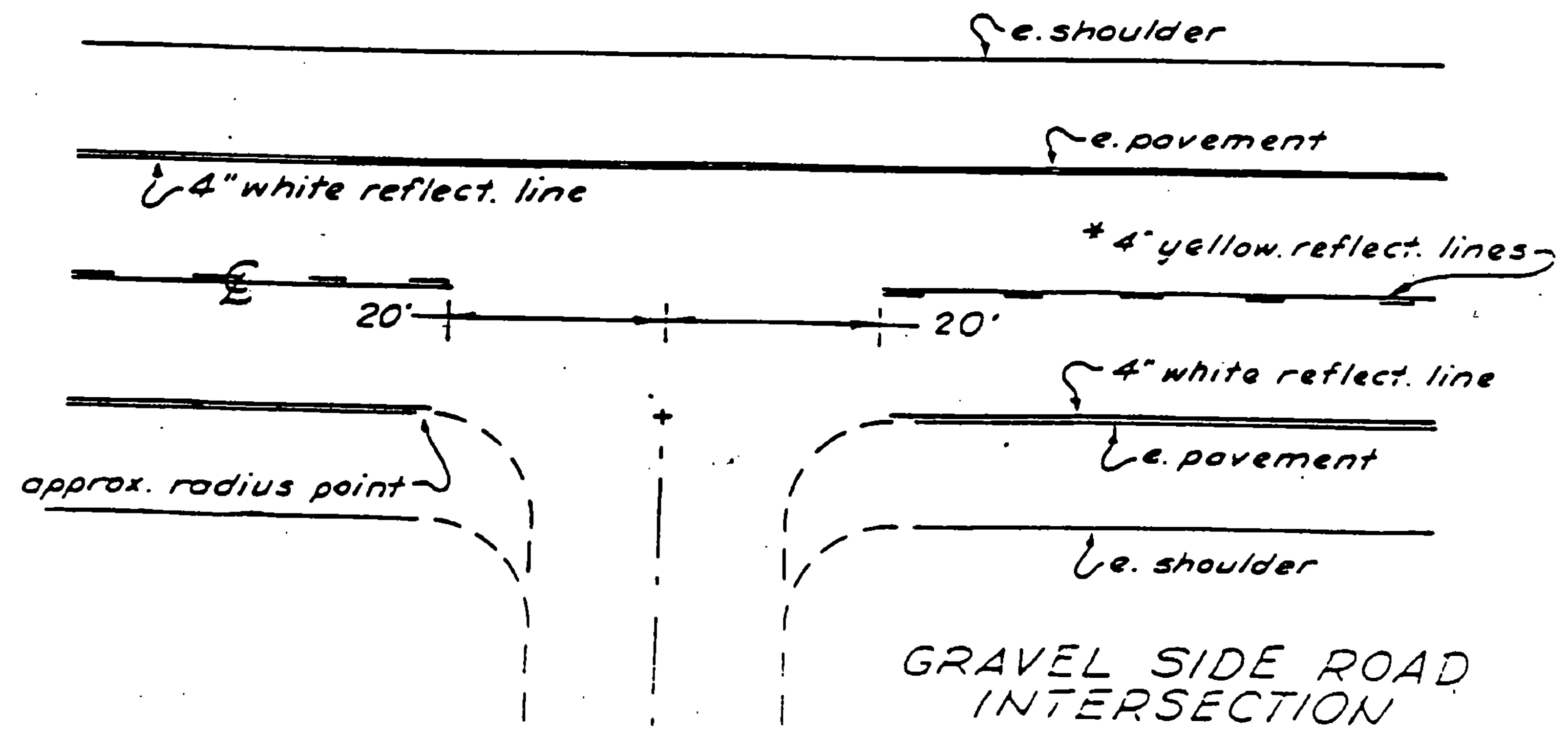
SHEET 6 OF 64 SHEETS

**MARKING AT INTERSECTING
SIDE ROAD**

JCE NO _____



* 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.



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.

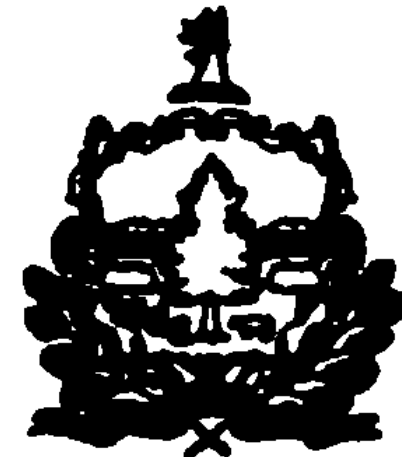
SOLID LINE - EDGE LINES

~~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, SOLI 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**



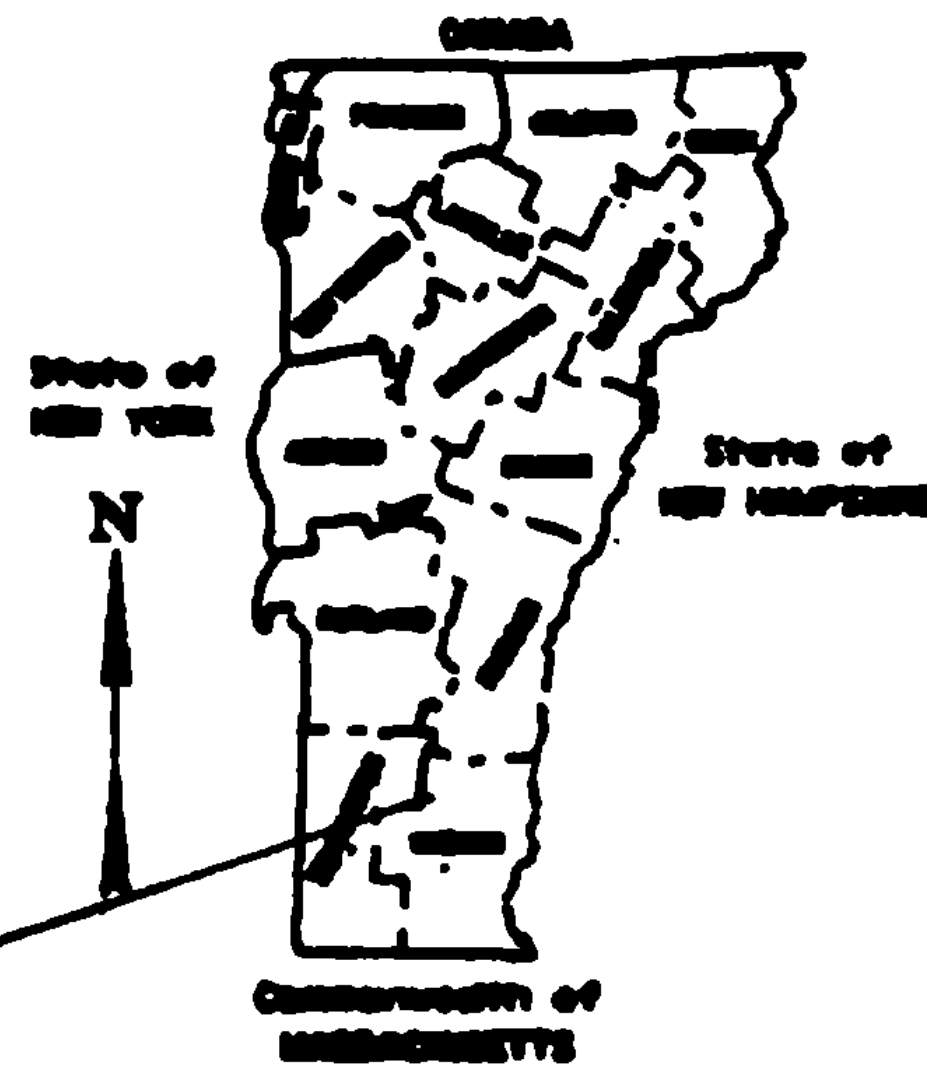
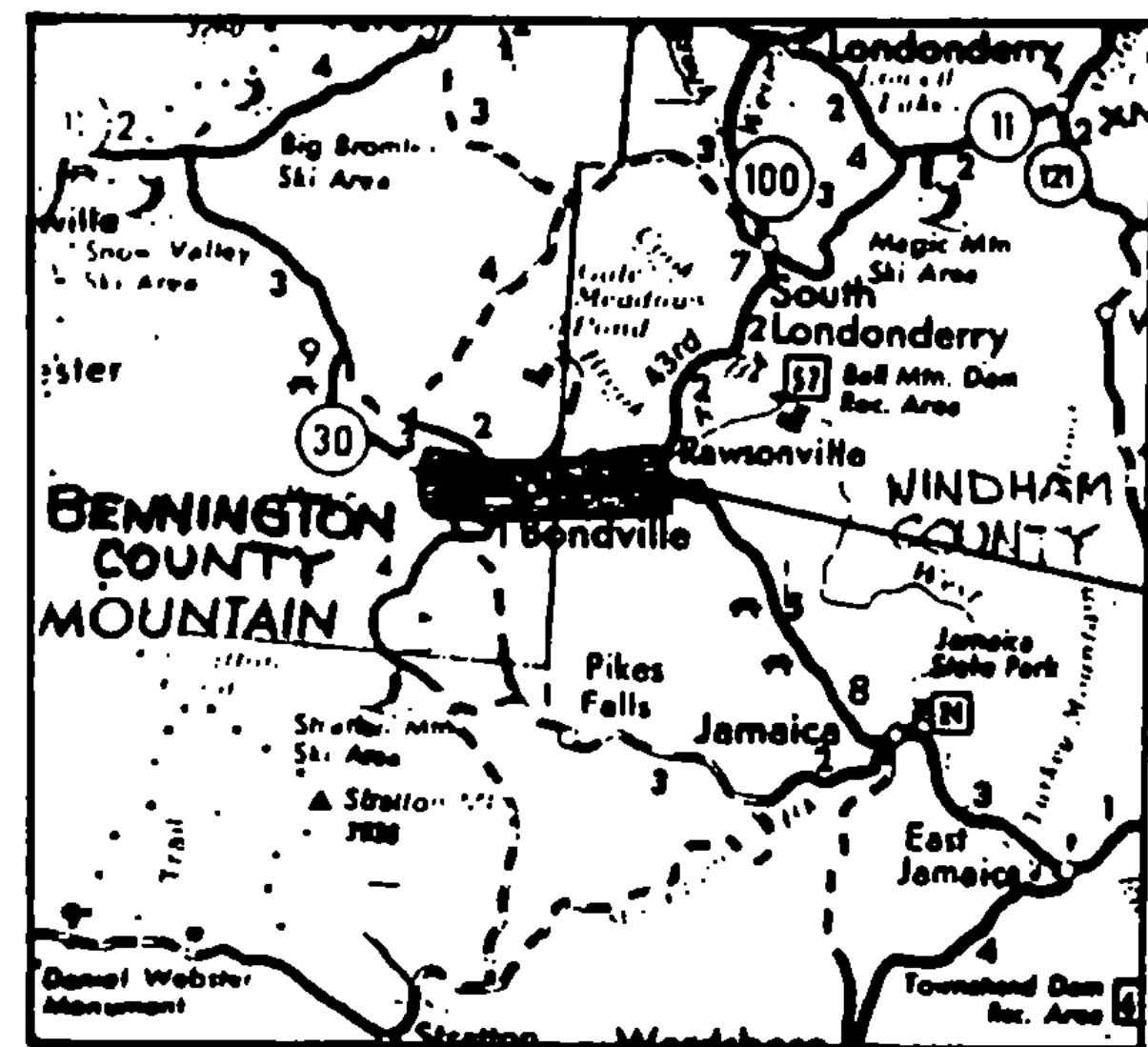
PROPOSED IMPROVEMENT

TOWN OF JAMAICA - WINDHALL

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.



SCALE IN MILES

REMITTED 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

FOR INDEX OF SHEETS, SEE SHT. 2

SHT. 9 OF 64 SHEETS

INDEX OF SHEETS

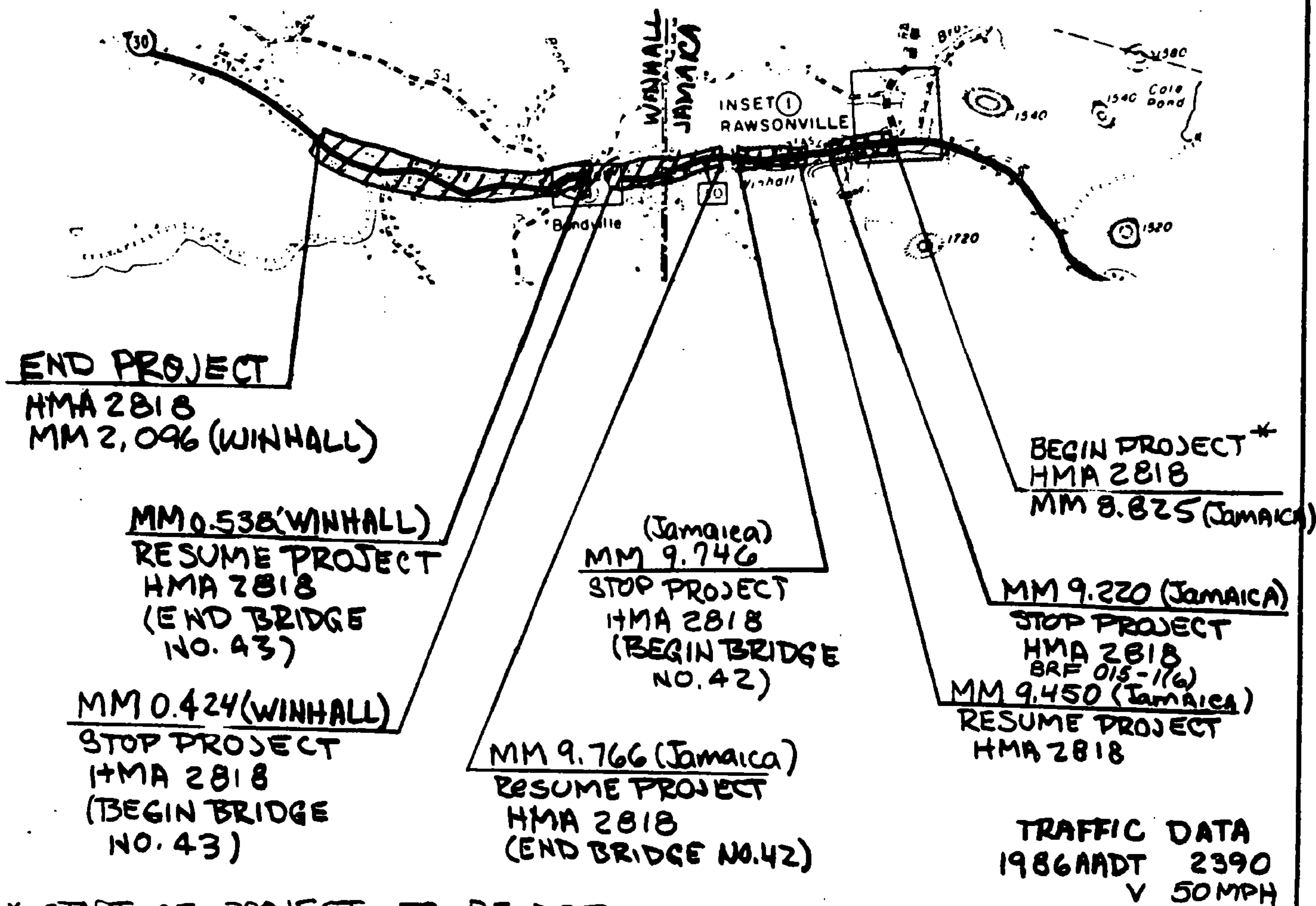
SHEET No.

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 BRFOIS-1(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

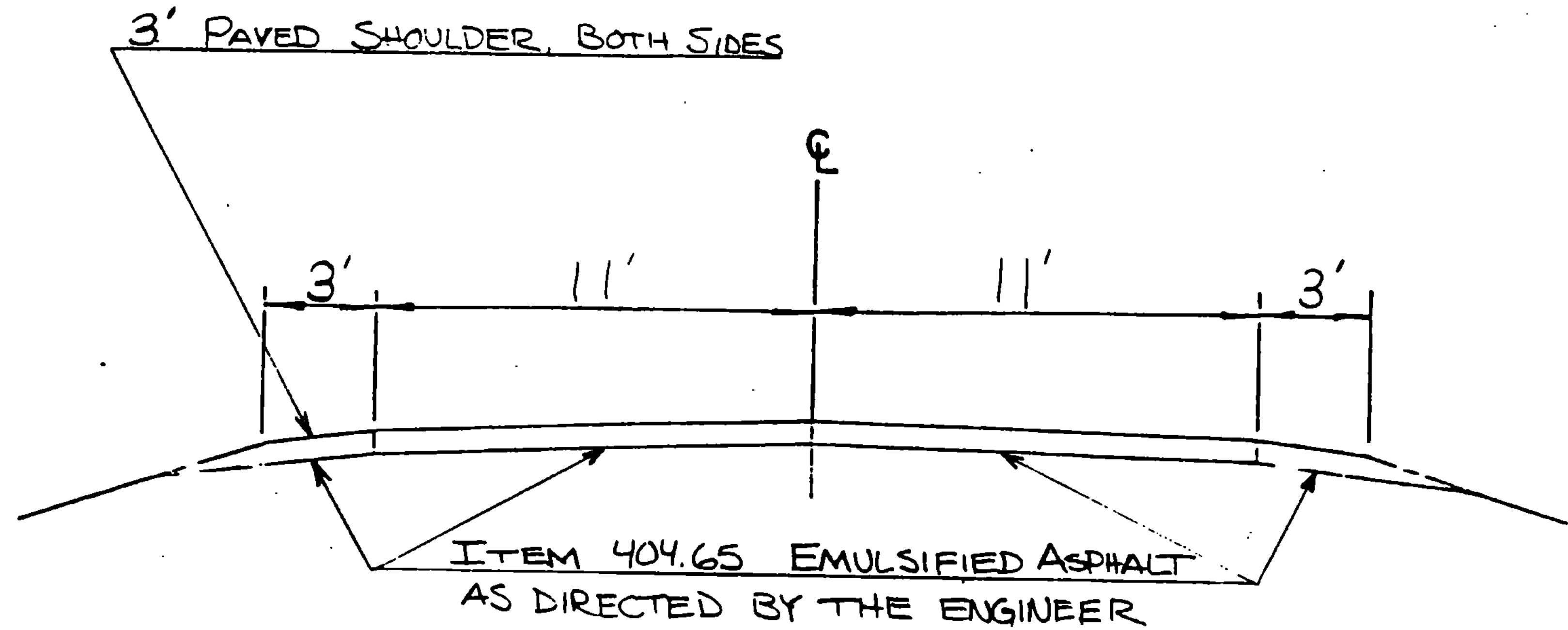
TYPICAL SECTIONS & DESIGN DATA

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

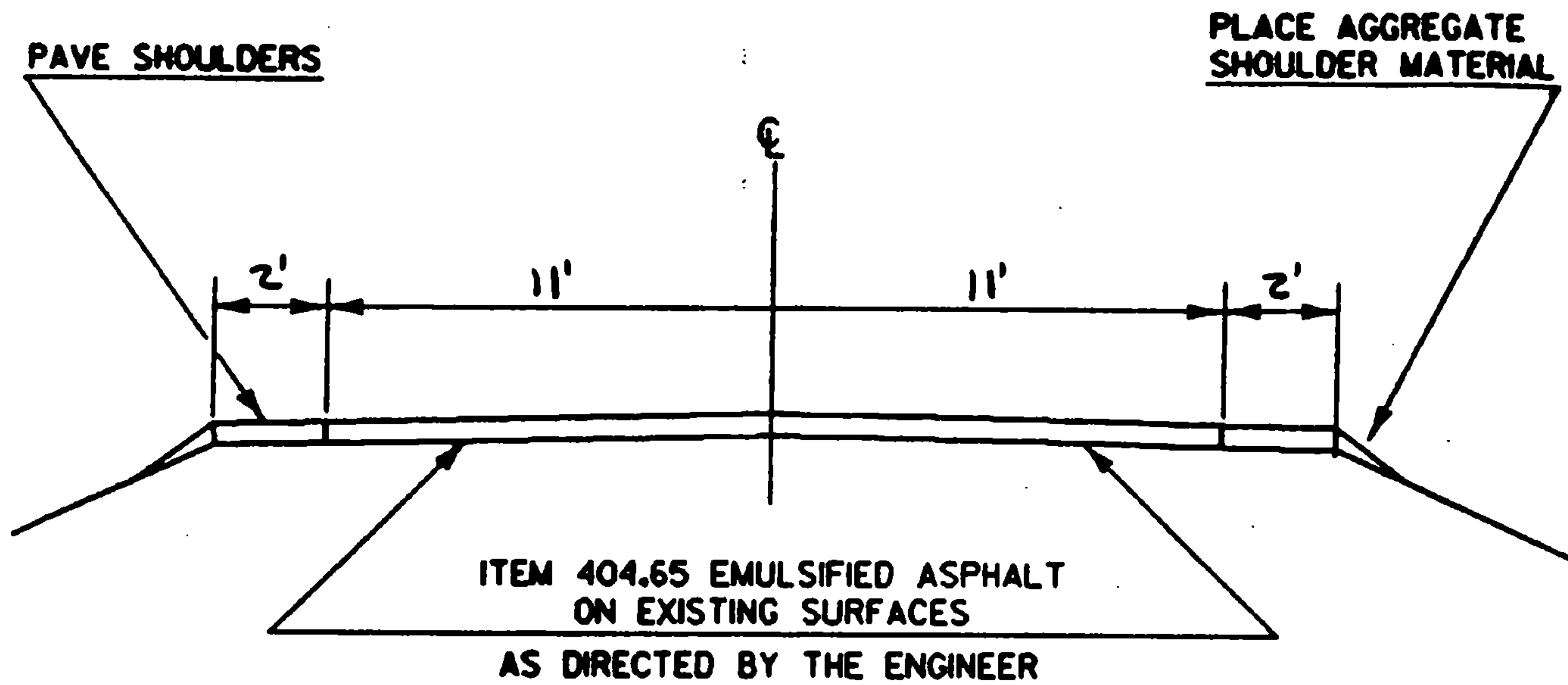
JAMAICA MM 9.766 ~ WINHALL MM 0.000

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)
1/4" 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

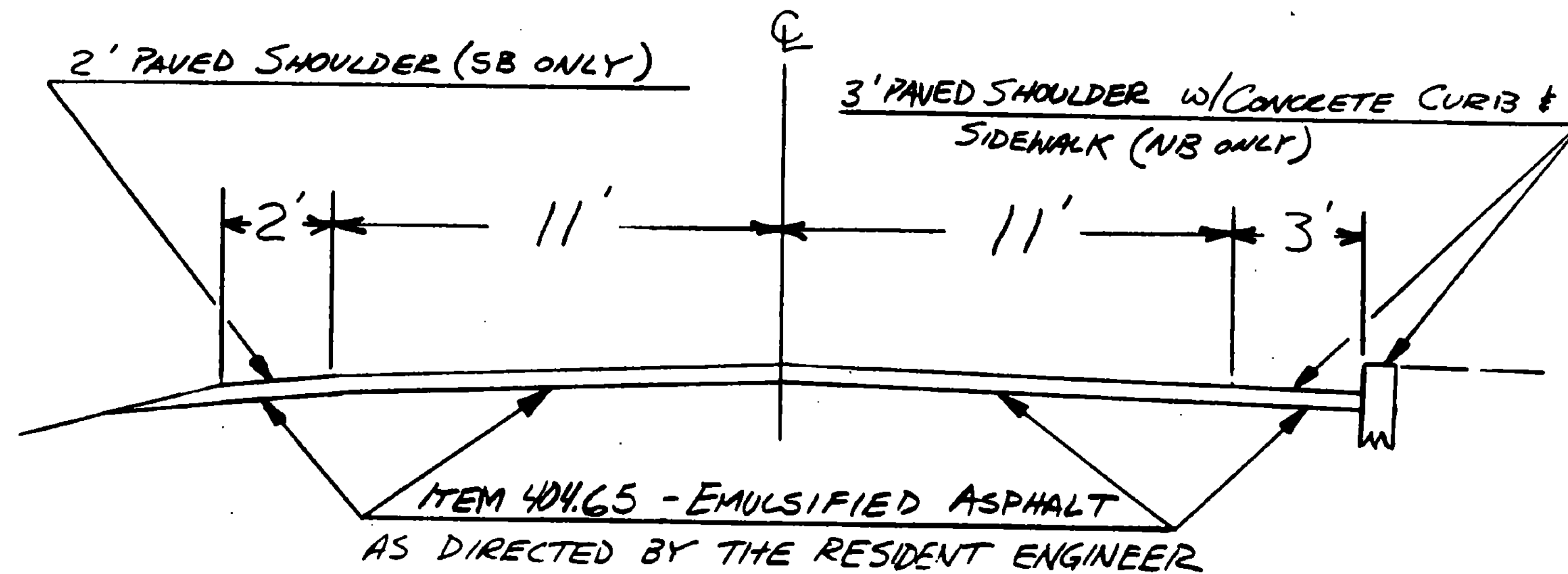
TYPICAL SECTIONS & DESIGN DATA

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.



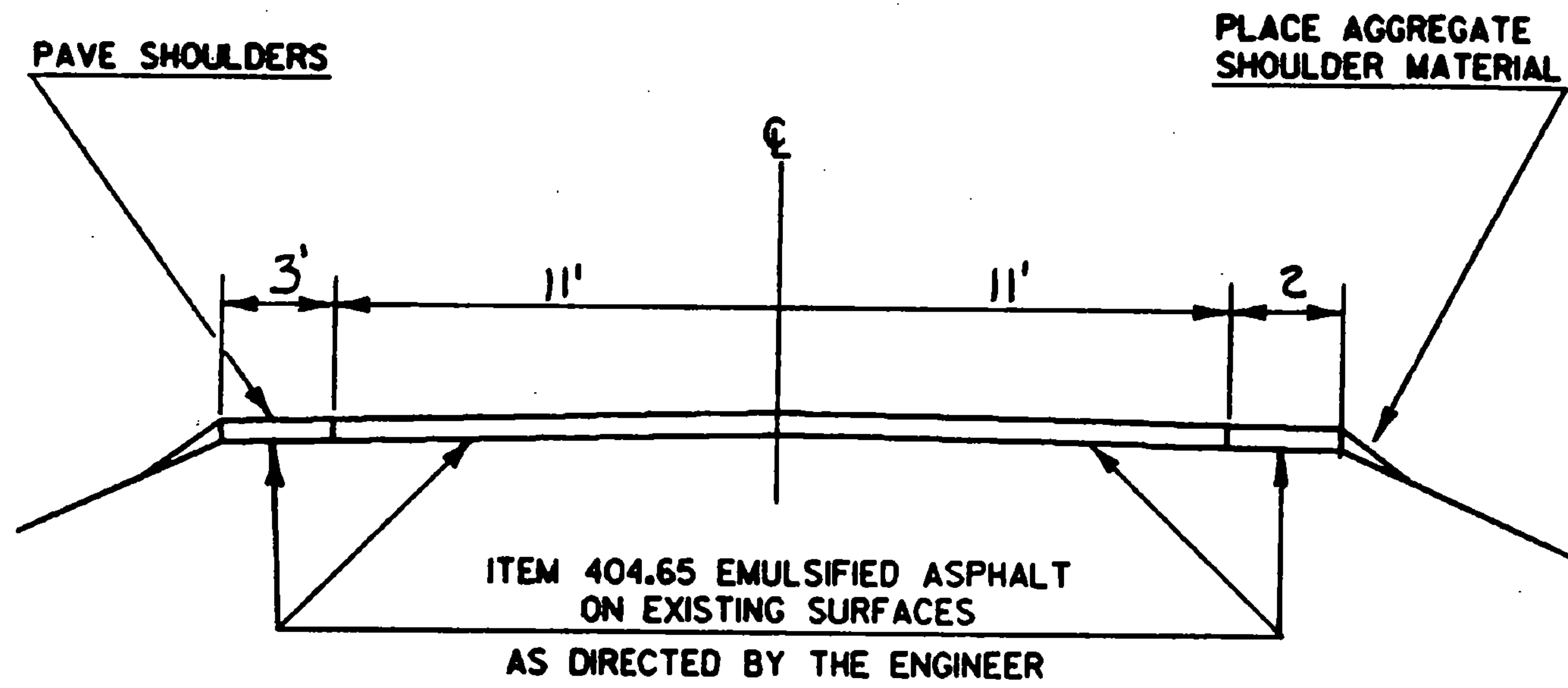
WINHALL MM 0.272 ~ MM 0.424

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	<div style="display: flex; justify-content: space-between; font-size: small; transform: rotate(-45deg);"> AGGREGATE SHOULDERS (TRUCK MEASUREMENT) AGGREGATE SHOULDERS EMULSIFIED ASPHALT BITUMINOUS CONCRETE PAVEMENT CHANGING ELEV. OF CB, DE OR MN POWER GRADER RENTAL ALL PURPOSE RENTAL POWER EXCAVATOR RENTAL, TYPE 1 UNIFORM BROOM RENTAL UNIFORMED TRAFFIC OFFICERS FLAGGERS MOBILIZATION TEMPORARY TEMPORARY DOUBLE WHITE LINE DOUBLE YELLOW LINE DURABLE 24" STOP BAR DURABLE LETTER-NUMBER MARKING DURABLE RAILROAD CROSSING SYMBOL TEMPORARY 24" YELLOW LINE TRUCK RENTAL DPSOIL </div>																		
ITEM NO.	402.11	402.12	404.65	406.25	604.40	608.15	608.25	608.30	630.10	630.15	635.10	635.10	635.10	635.10	635.10	635.10	635.10	635.10	635.10
UNIT	CY	TON	CWT	TON	Eq.	Hr.	Hr.	Hr.	Hr.	Hr.	Ls.	LF	LF	LF	Eq.	Eq.	LF		
Dr. & App.		25	1	25															
Proj. Subtotal		56	60.7	339.6	4	5	5	34	344	344	0.223	32060	31665	24	12		63130	5	10
Leveling				759															
Rounding		4	.3	20	-	-	-	1	6	6	-	-	-	-	-	-	-	-	-
Grand Total		60	61	475	4	5	5	35	350	350	0.223	32060	31665	24	12		63130	5	10

Changed by Larry Wheeler 11/18/87

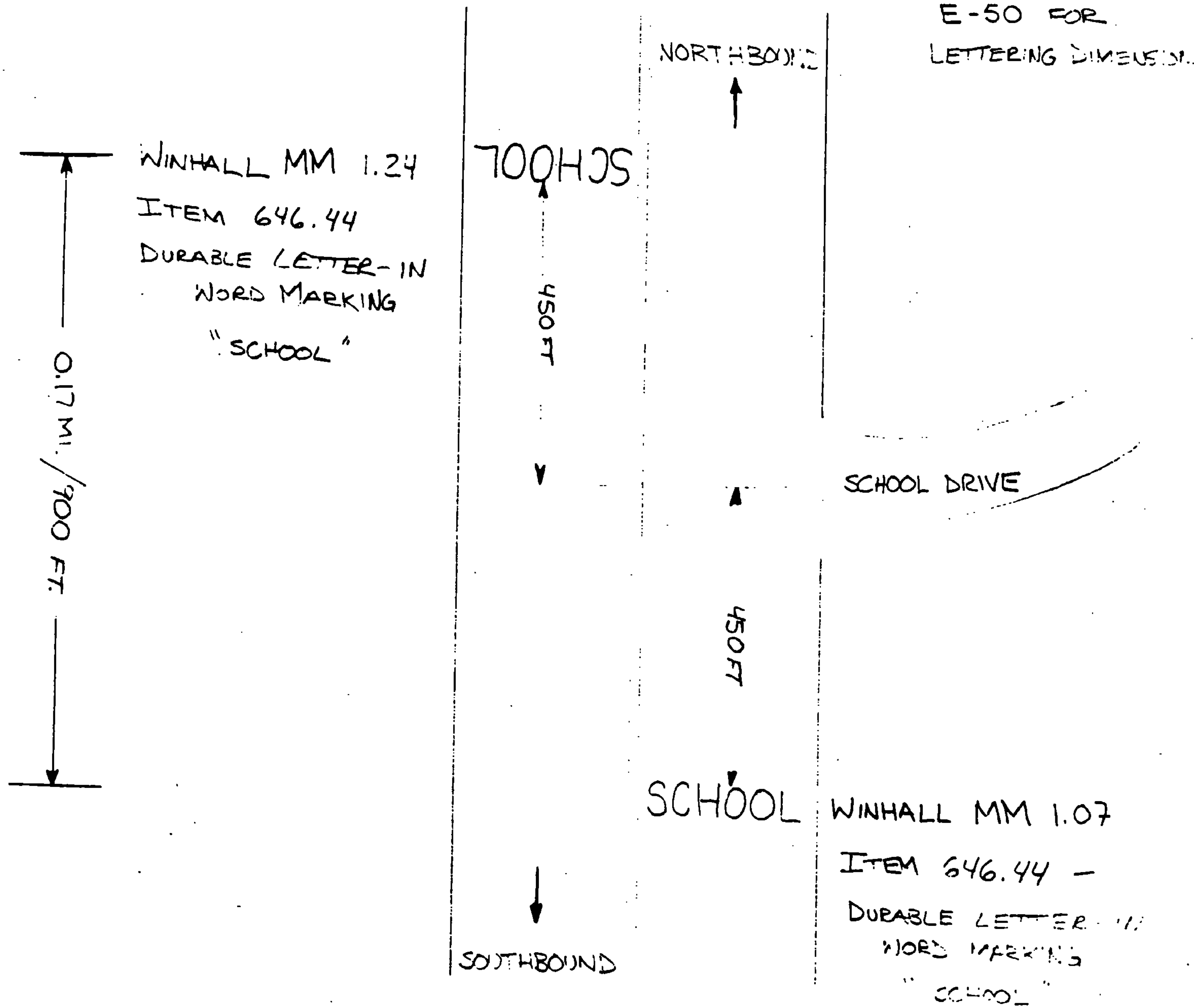
PROJECT 1987 DIST. 2 PAVING
JAMAICA - WINHALL

NO. HMP PAVING
HMA 2818

SHEET 16 OF 64 SHEETS
SHEET 8 OF 10 SHEETS

PAVEMENT MARKING DETAIL SHEET

* SEE STANDARD
E-50 FOR
LETTERING DIMENSIONS.

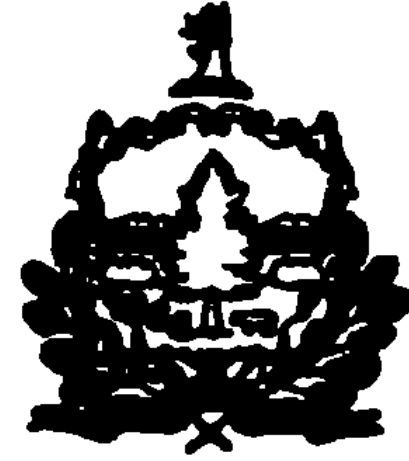


NOTE: DRAWING NOT TO SCALE

PROJECT JAMAICA - WINHALL

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

STATE OF VERMONT
AGENCY OF TRANSPORTATION



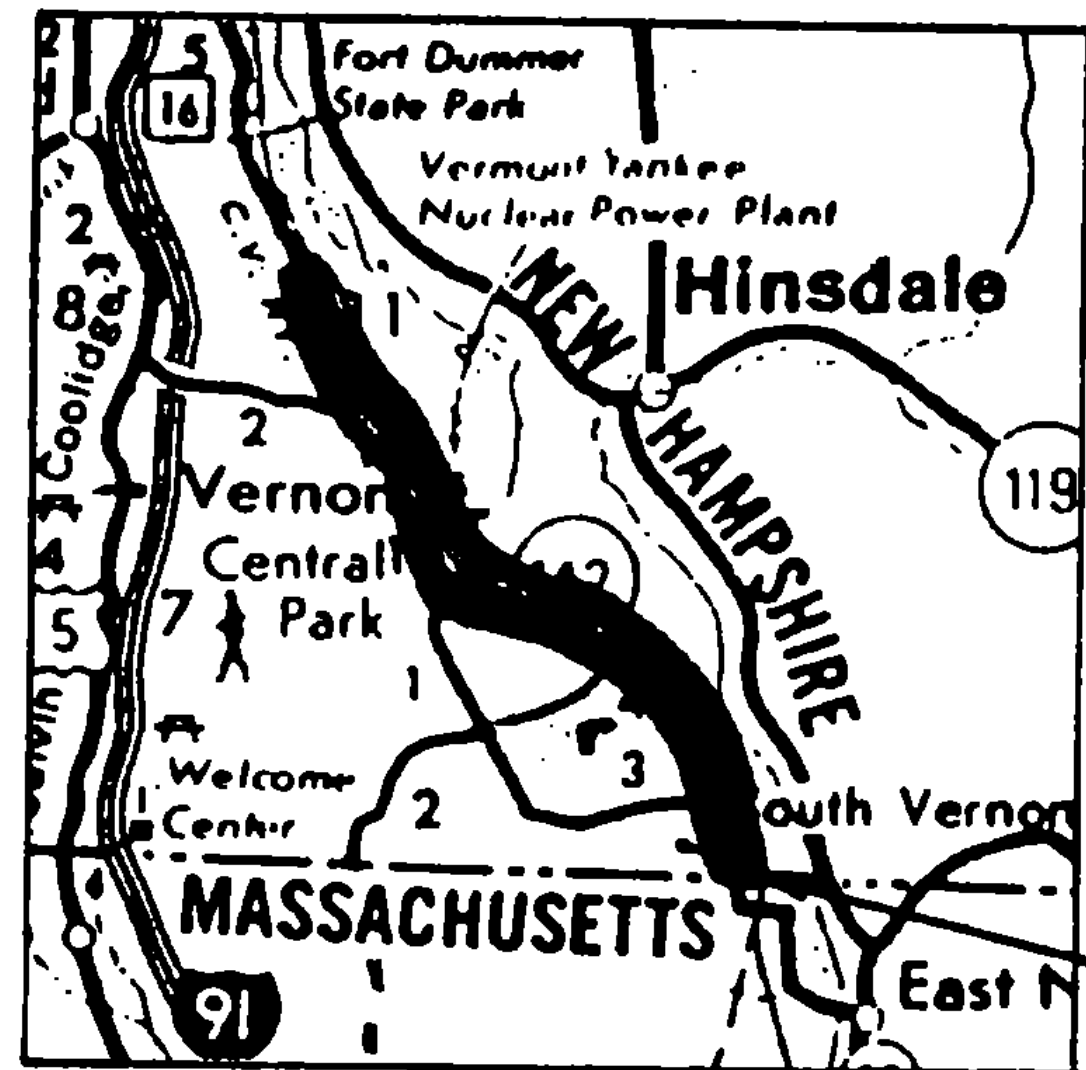
PROPOSED IMPROVEMENT

TOWN OF VERNON

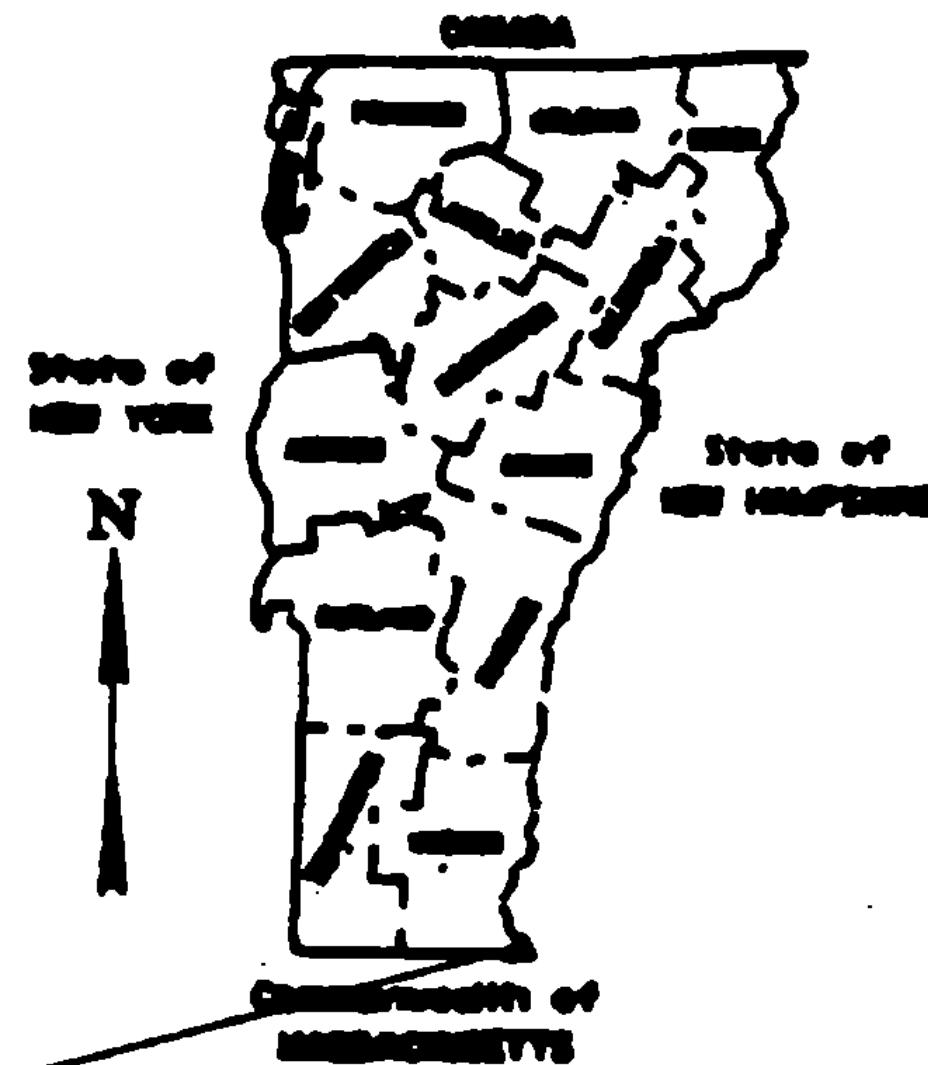
COUNTY OF WINDHAM

ROUTE NO. VT. RT. 142

ROUTE CLASS F.A.S.



PROJECT
HMA2819



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.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED _____ DATE _____
CHIEF ENGINEER

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

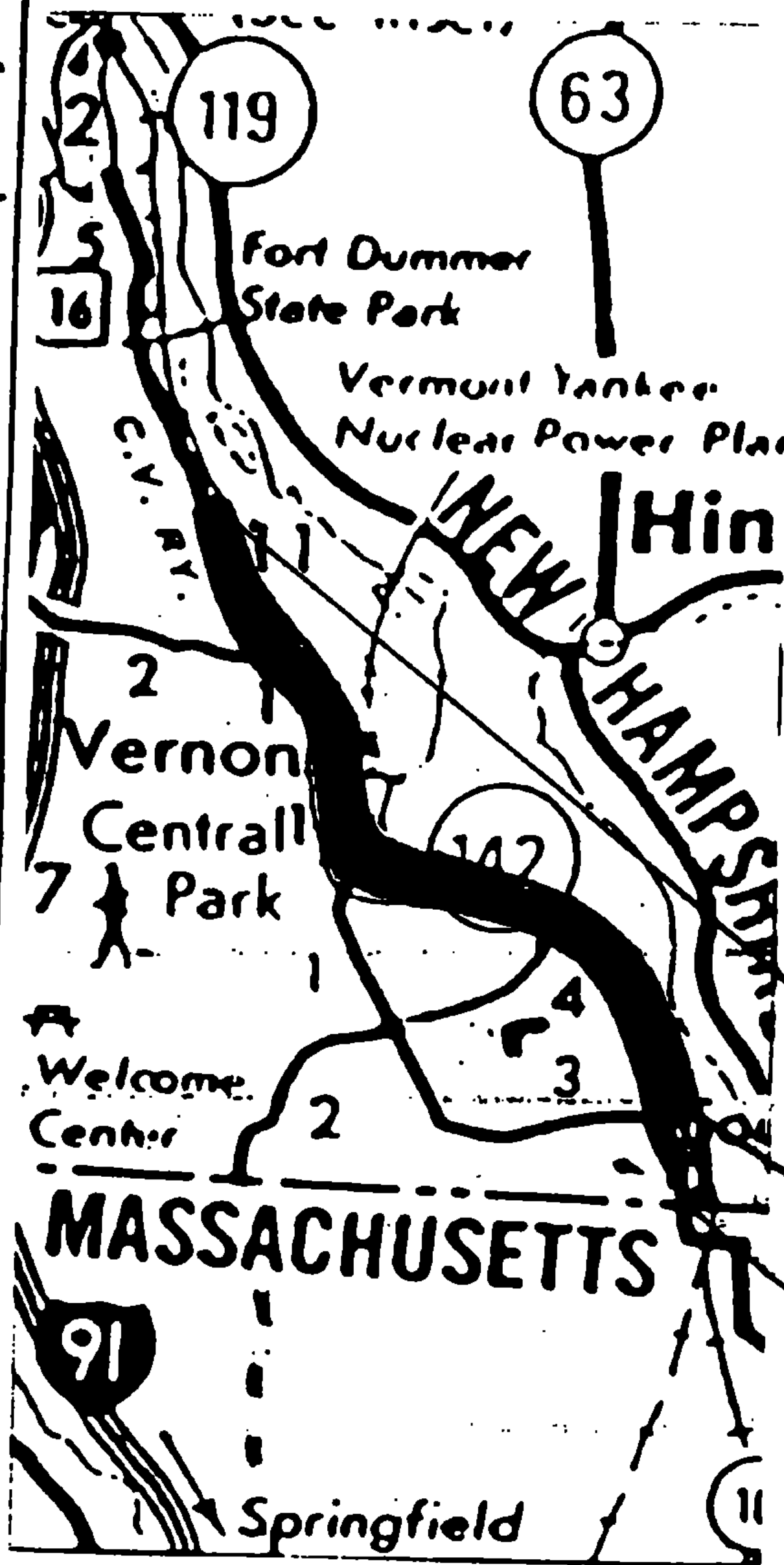
SHEET NO.

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



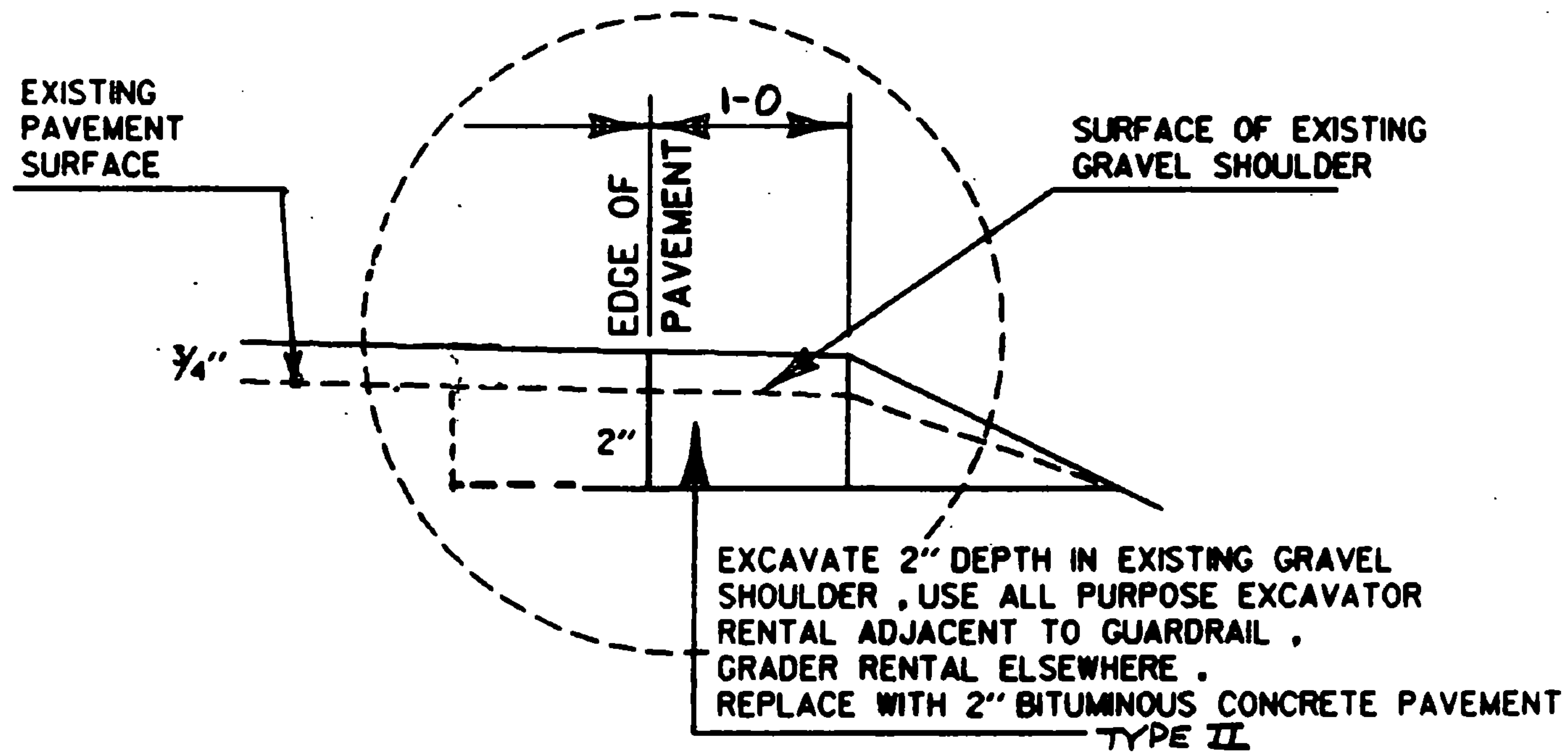
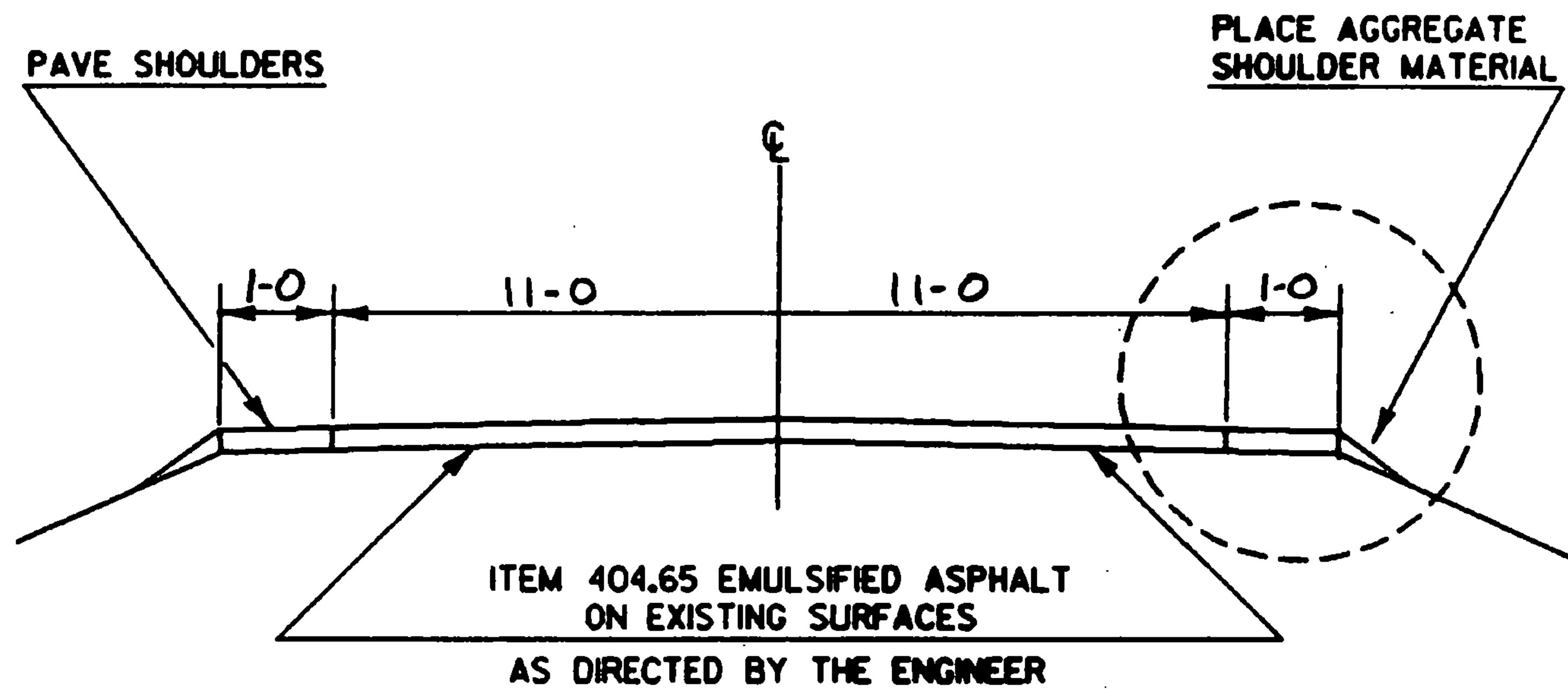
*NOTE: MIN. 13.8' CLEARANCE IS TO BE MAINTAINED UNDER BR #2 OVER VT 142.

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.

TYPICAL SECTIONS & DESIGN DATA

VERNON MM0.00 ~ MM1.13
 ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (382 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

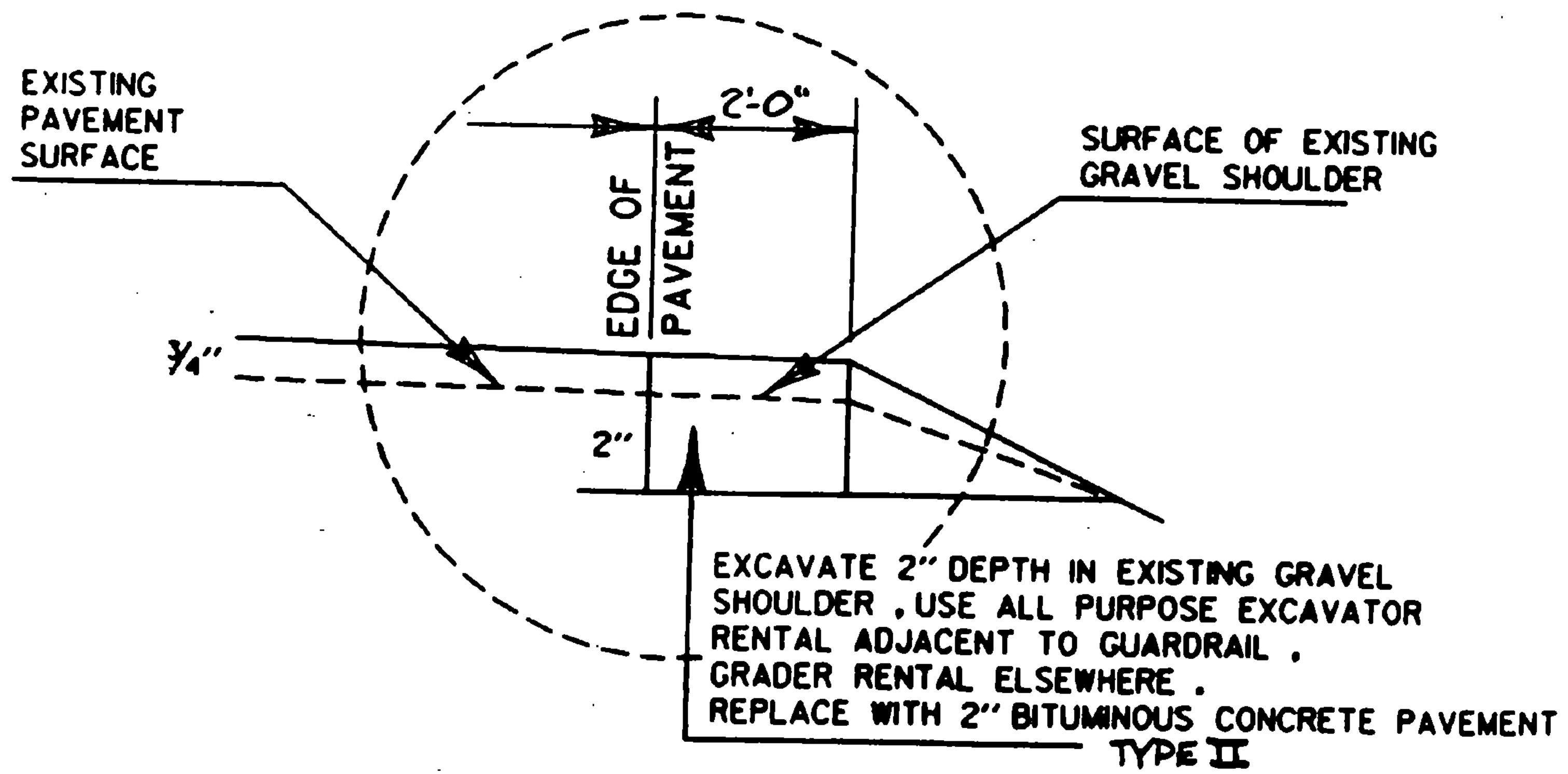
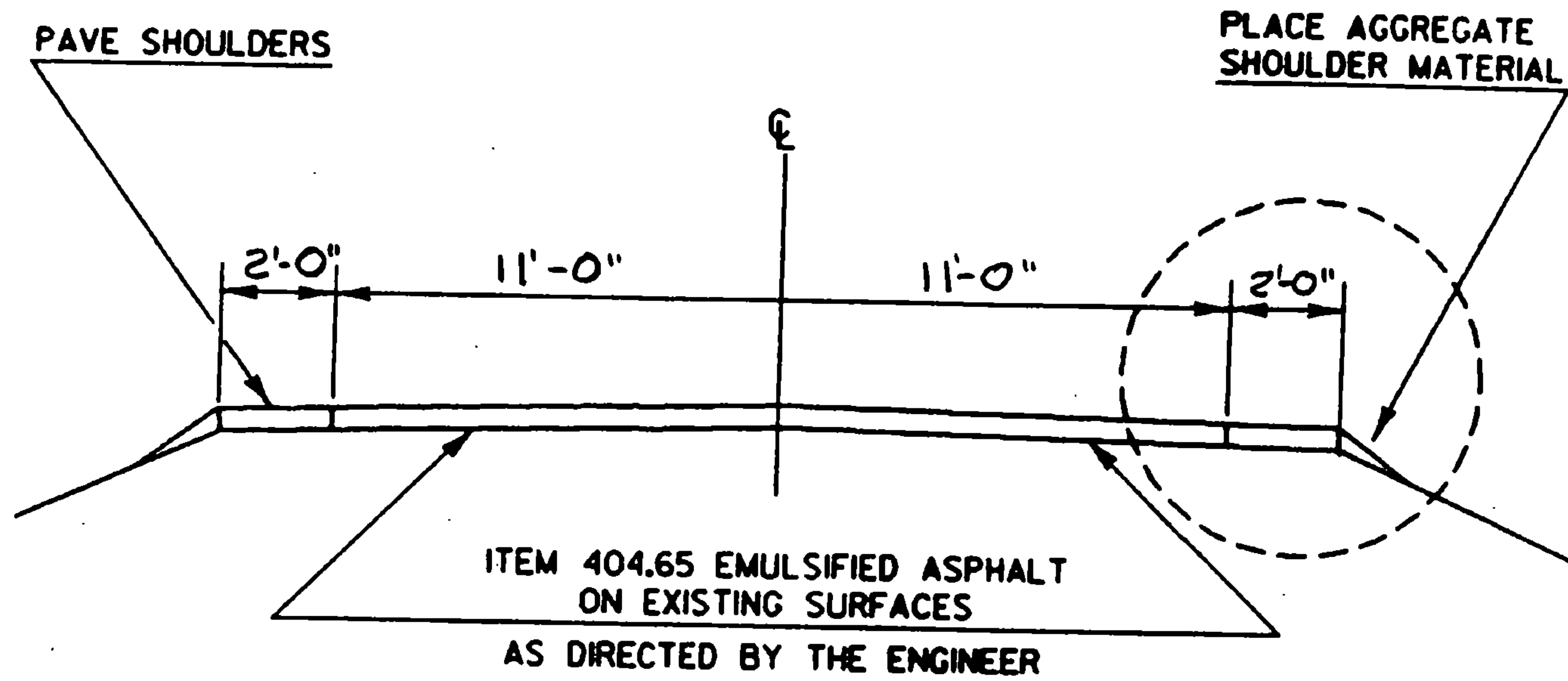
TYPICAL SECTIONS & DESIGN DATA

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

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (4/4 TONS/MILE)

1/4" WEARING COURSE TYPE III (±1/4")

AS DIRECTED BY THE ENGINEER



PROJECT Vernon

NO. HMA 2819

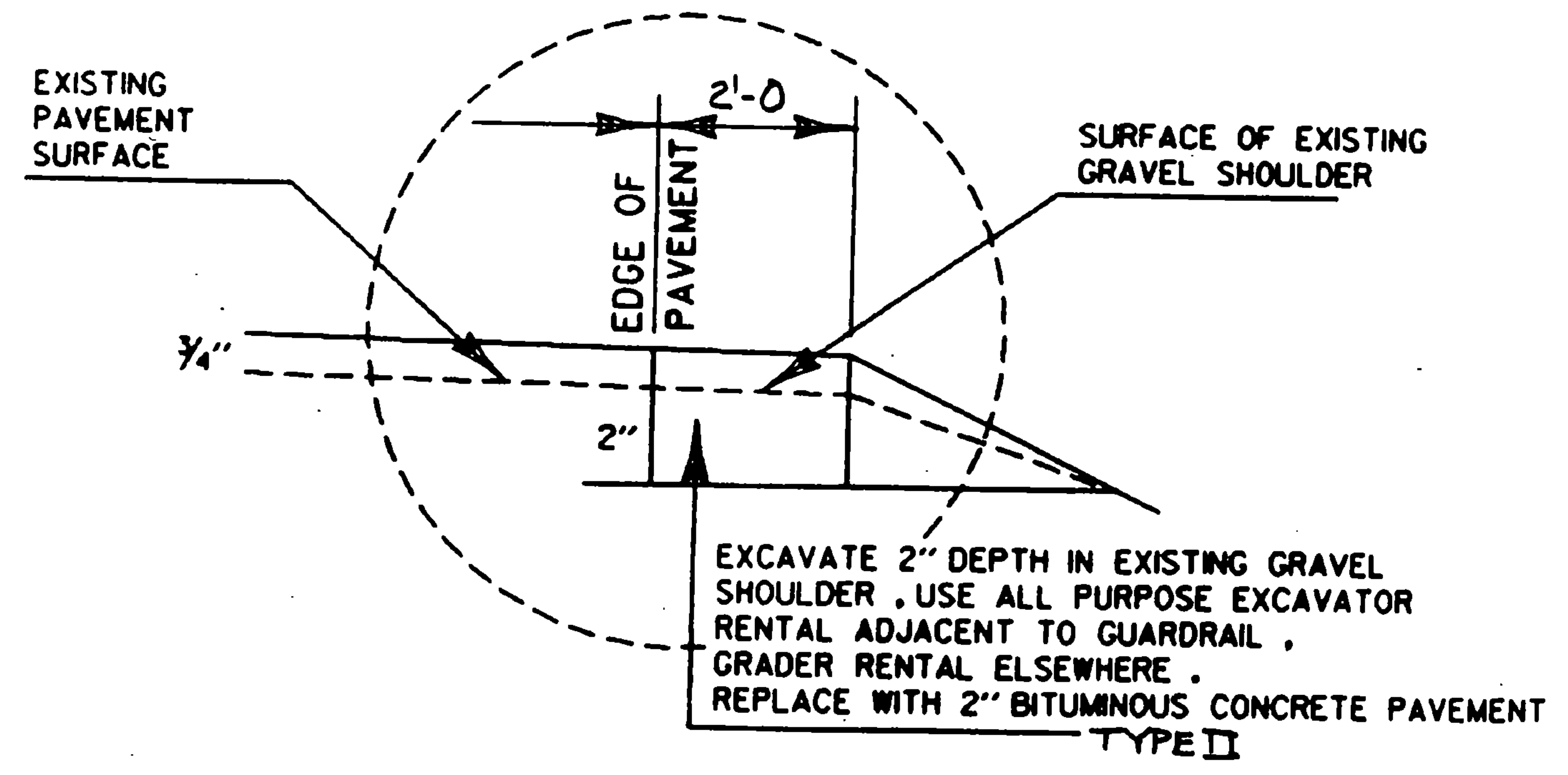
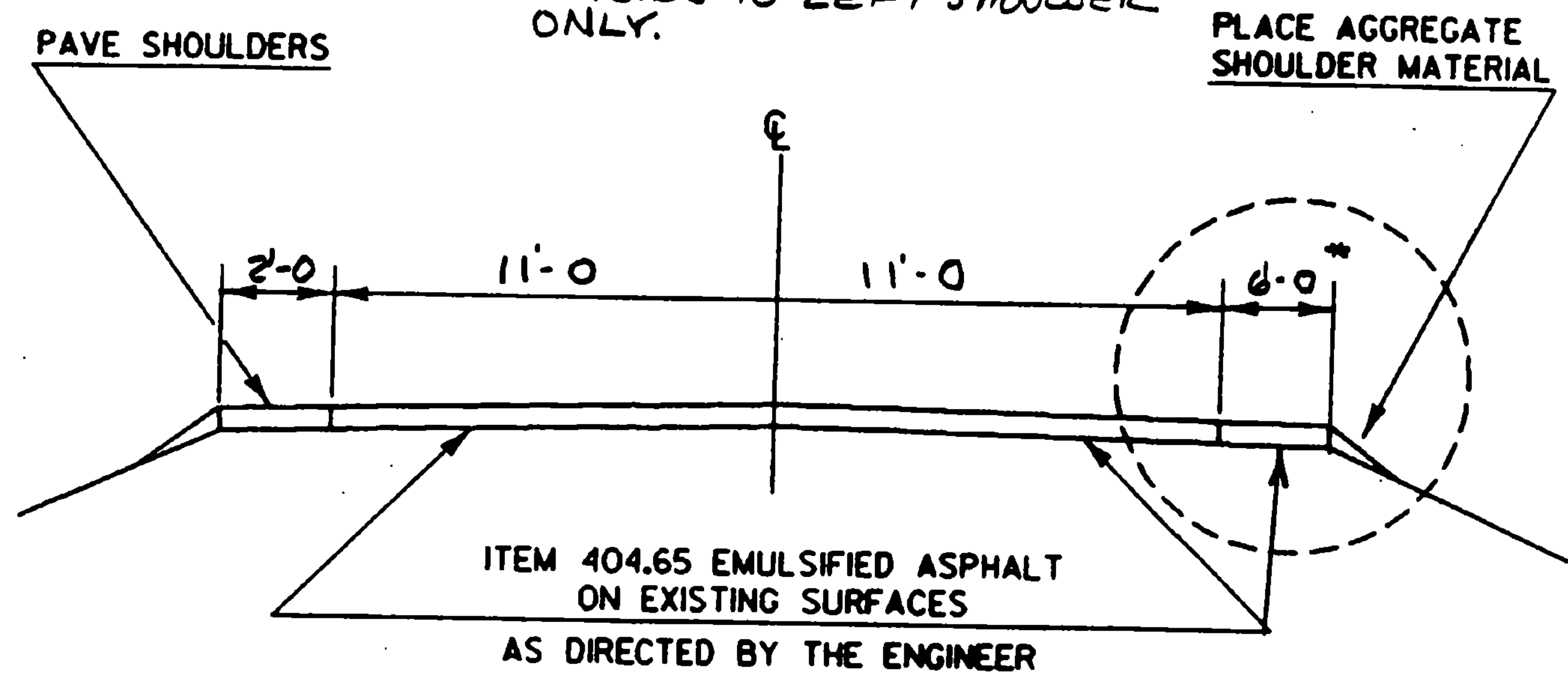
SHEET 5 OF 10 SHEETS

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 (± 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	EMULSIFIED ASPHALT	BITUMINOUS ASPHALT TYPE II	BITUMINOUS CONCRETE TYPE IV	POWER BROOM RENTAL	CHANGE OF ELEVATION	UNIFORMED TRAFFIC OFFICERS	FLAG PERSONS	MOBILIZATION	
	FT.	FT.														IN.
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	300.5	500.3							SHOULDERS
	16209.6			414					1271.0							LEVELING
TOWN HIGHWAYS DRIVES EST. SHOULDER REPAIR						800	1.00	—	50.0							EST.
								1758.6	995.0							
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

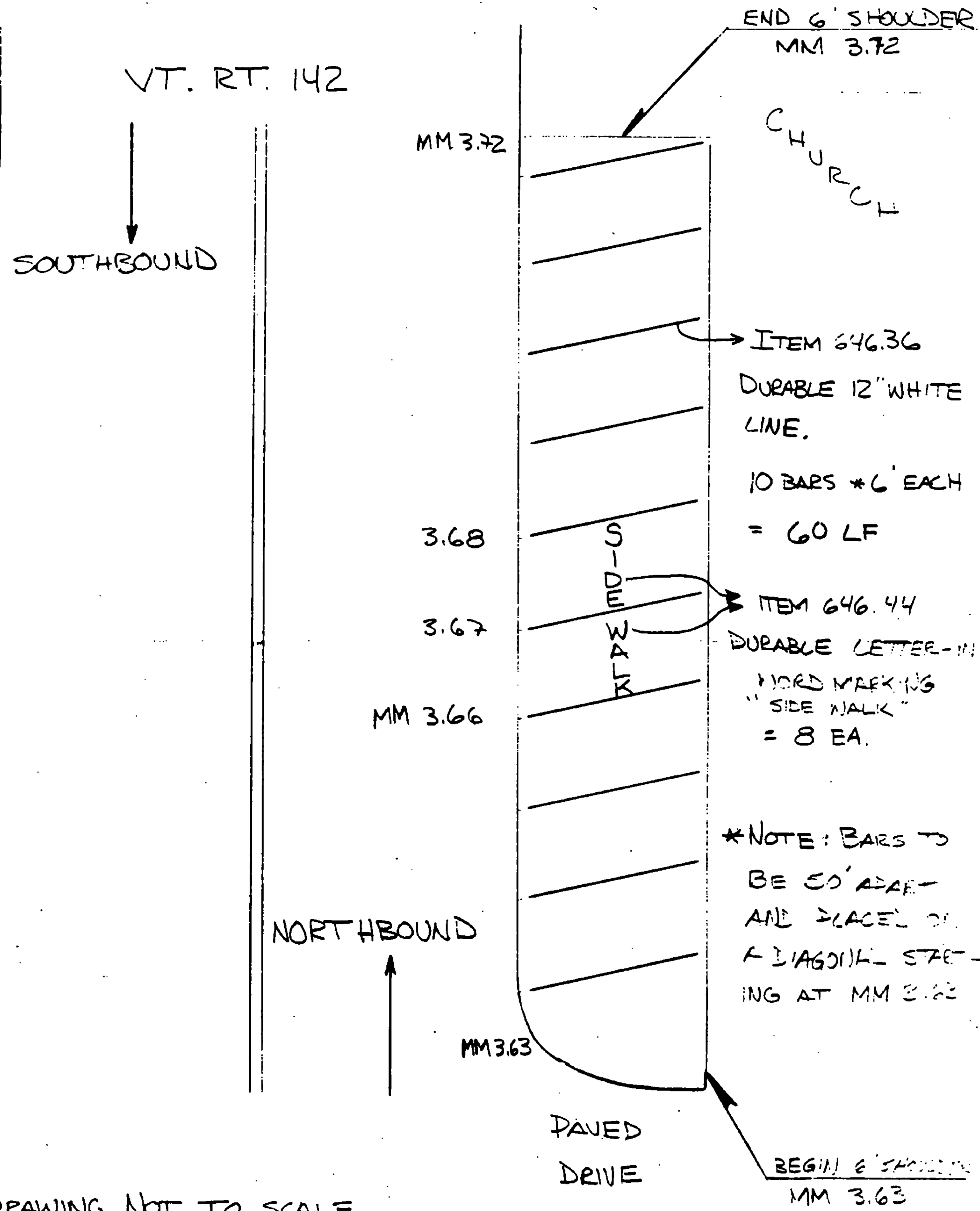
PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION															
	END OF PROJECT	DURABLE 1/2" YELLOW LINE	DURABLE LETTER "H" ROAD MARKING	DURABLE RAILROAD CROSSING SYMBOL	DURABLE 4" WHITE LINE	DURABLE 4" YELLOW LINE	DURABLE 8" WHITE LINE	POWER GRADER RENTAL	ALL PURPOSE EXCAVATOR RENTAL	TRUCK RENTAL	TOPSOIL	DURABLE 24" STOP BAR			
ITEM NO	646.51	646.44	646.48	646.50	646.24	646.39	608.15	608.25	608.37	608.35	646.40				
UNIT	LF	EA	EA	LF	LF	LF	HR	HR	HR	CY	LF				
LOCATION															
PROJECT TOTAL	129,786	8	2	71,808	64,920	60	25	20	20	16	36				
HOURLING	14	-	-	12	12	-	-	-	-	-	-				
PROJECT TOTALS	129,800	8	2	71,820	64,932	60	25	20	20	16	36				

PROJECT VERNON NO. HMA 2819 SHEET 27 OF 64
 SHEET 8 OF 10

Changed by Larru Wheeler 11/10/87

SHOULDER DETAIL SHEET

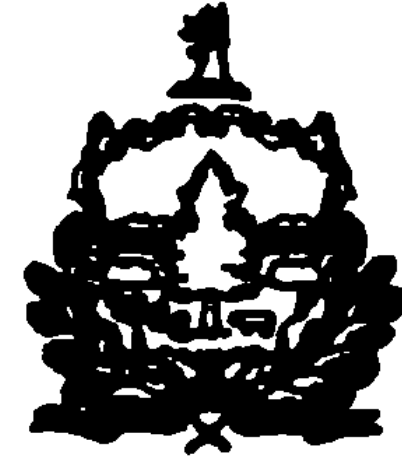


NOTE: DRAWING NOT TO SCALE

NO. HMA 7819
 SHT. 29 OF 64 SHTS.
 SHT. 10 OF 10 SHTS.

PROJECT VERNON

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**



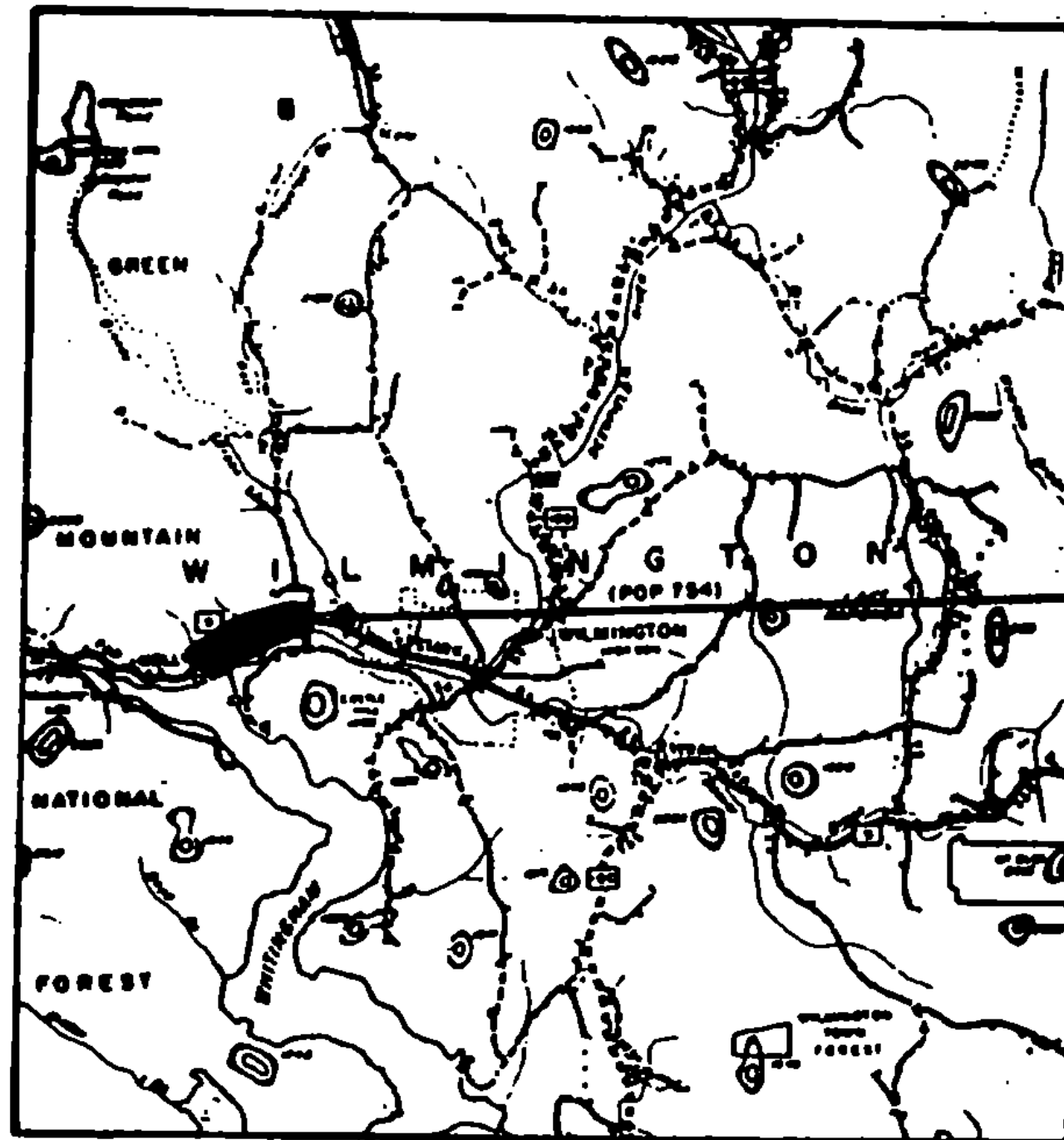
PROPOSED IMPROVEMENT

TOWN OF WILMINGTON

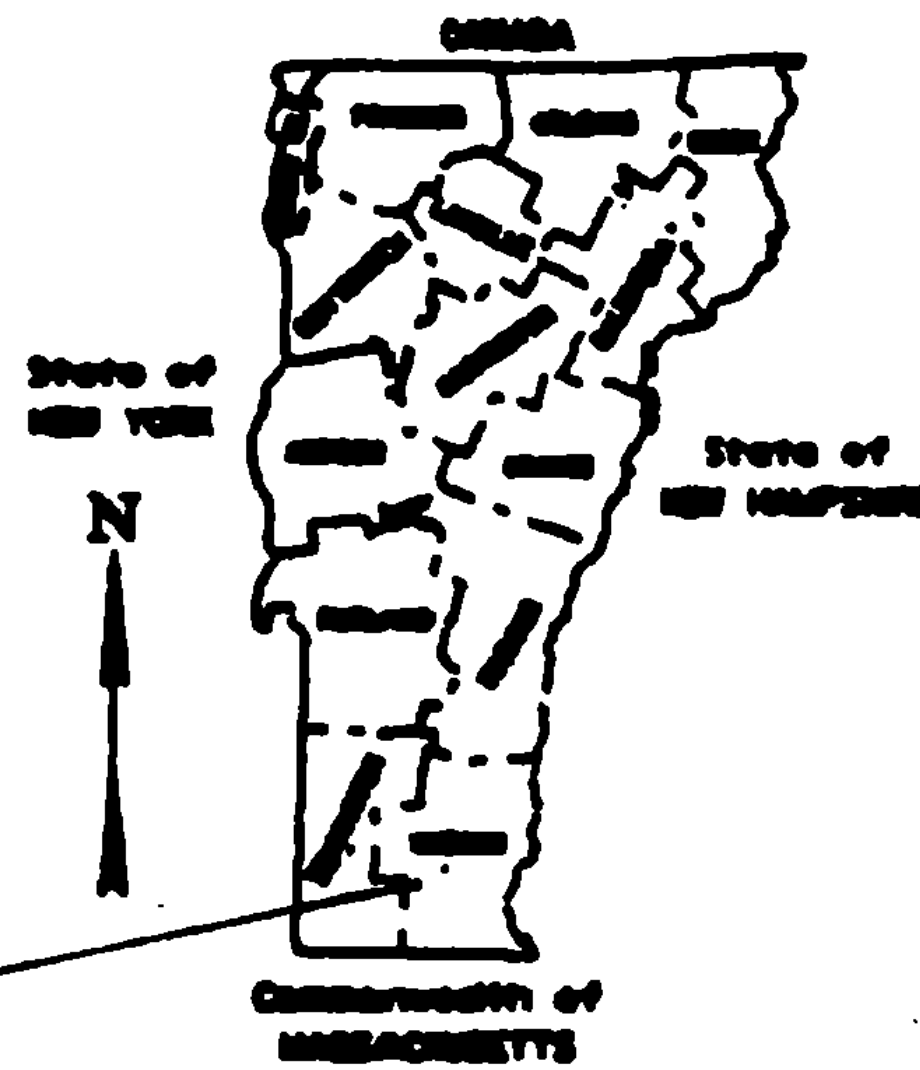
COUNTY OF WINDHAM

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 _____ DATE _____
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA = 2830

SHEET 1 OF 7 SHEETS

SHT. 30 OF 64 SHTS.

FOR INDEX OF SHEETS, SEE SHT. 2

INDEX OF SHEETS

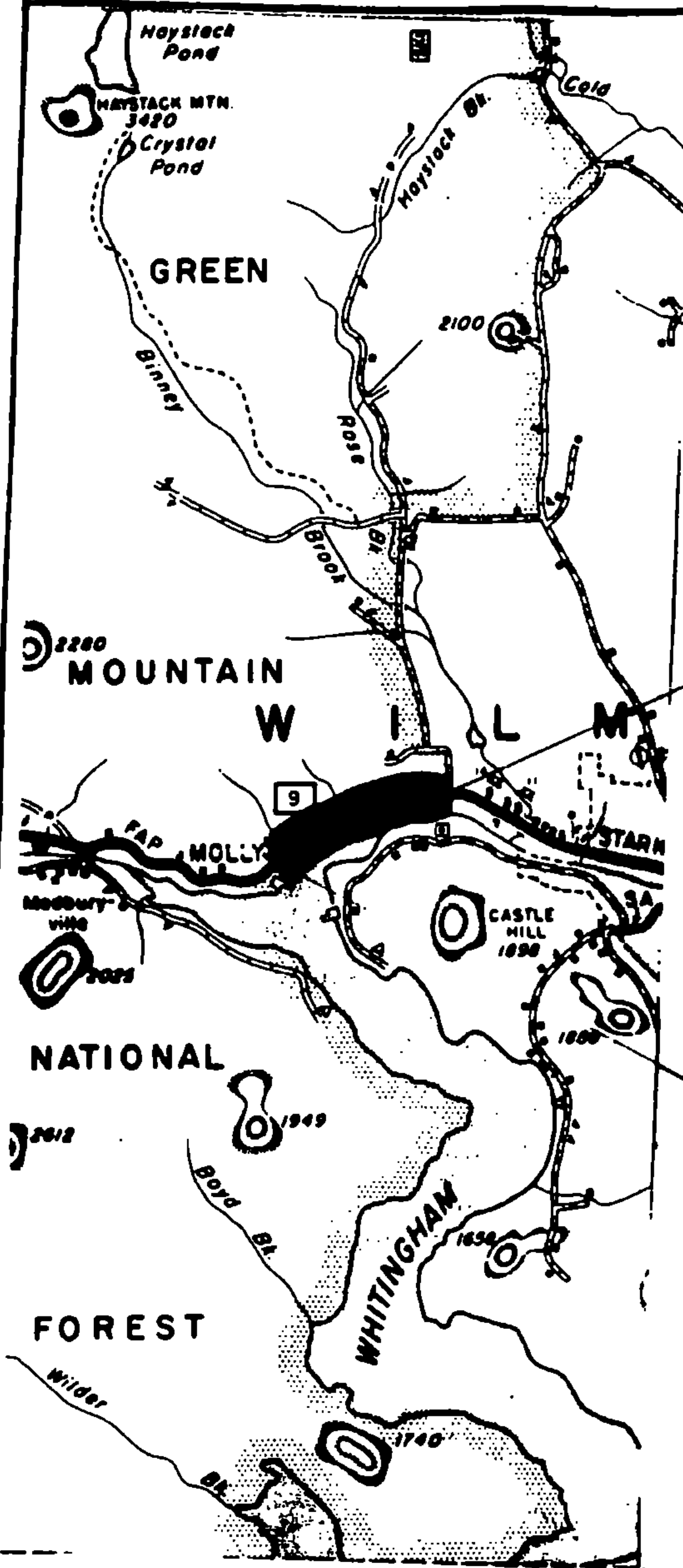
SHEET NO.

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



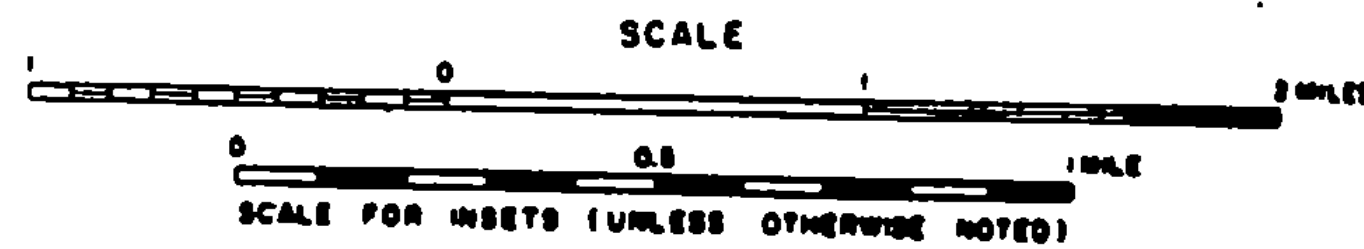
TRAFFIC DATA

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.

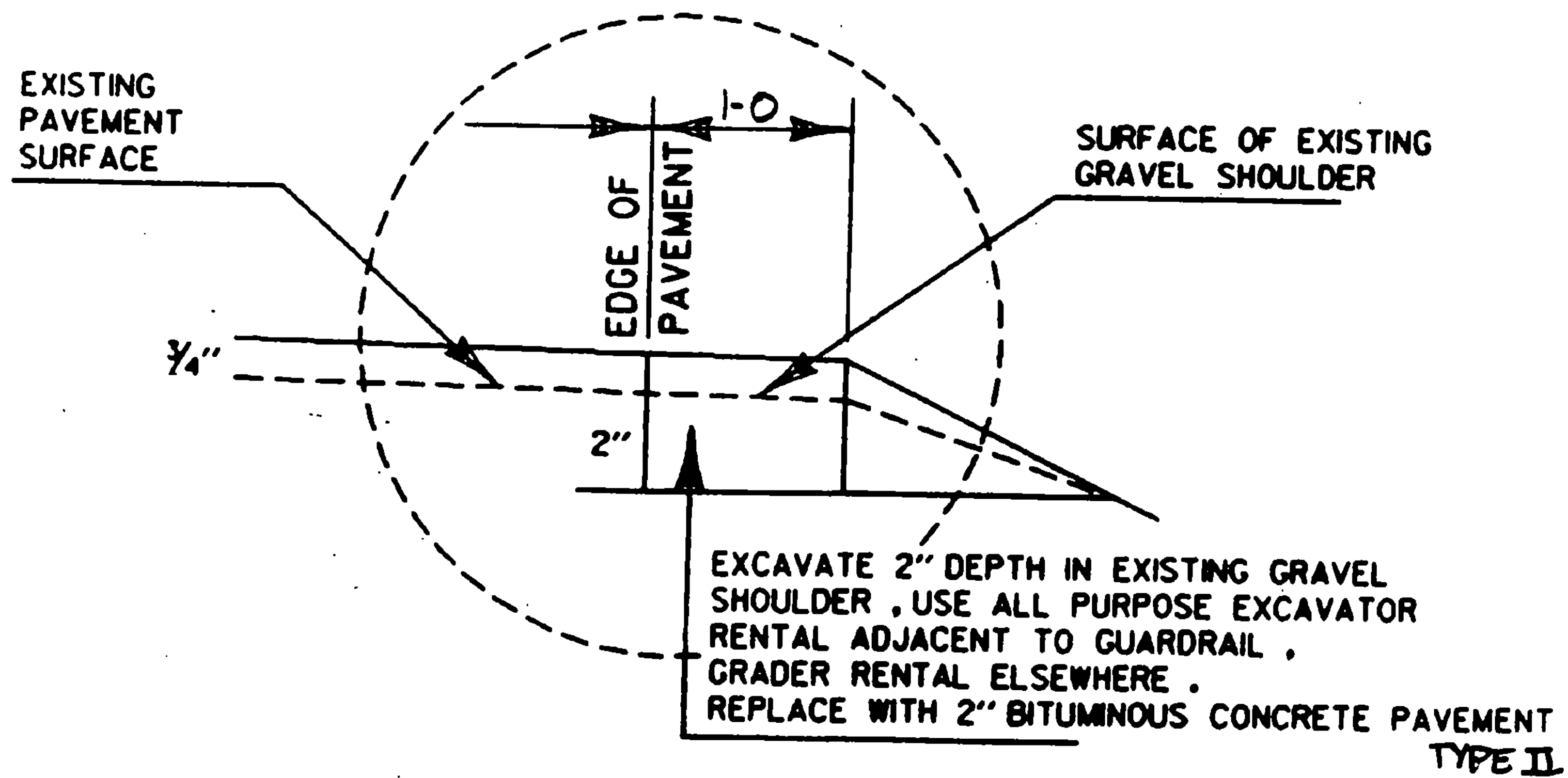
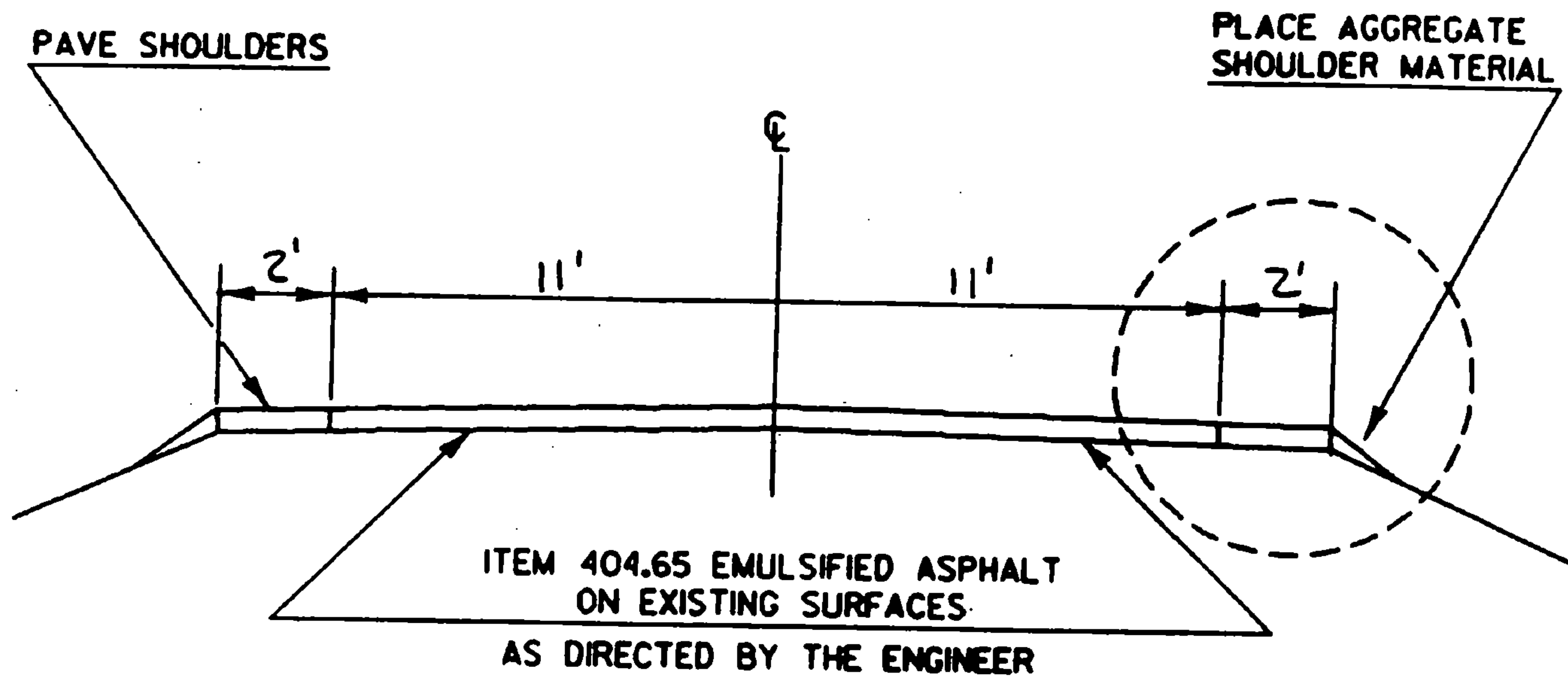
PROJECT LENGTH = 0.708 MI.
= 3738.24 FT.

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.

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM NO	LENGTH		WIDTH	OVERLAY DEPTH	LEVELING DEPTH	AGGREGATE COURSE, TYPE II	AGGREGATE SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS ASPHALT TYPE III	BITUMINOUS CONCRETE TYPE II	POWER CONCRETE PAVEMENT	CHANGE OF ELEVATION	UNIFORMED TRAFFIC OFFICERS	FLAG PERSONS	MOBILIZATION	TOPSOIL	
	FT.	FT.															IN.
LOCATION																	
WILMINGTON MM 1.270 1.978	3738.24	22.0	1.25				12.4	634.6									5
	3738.24	4.0	1.25					115.4									Roadway
	3738.24					395			29.7								Shoulders
TYPE II								92.3									LEVELING
DRIVES, T.H.'S & SHOULDER REPAIR						50	1.0	10.0									Shoulders
																	EST.
PROJECT SUBTOTAL						50	13.4	852.3	29.7	5.7	-	95.8	95.8	0.060		5	
ROUNDING							1.6	18	3	-	4.2	4.2	-	-			
PROJECT TOTALS						50	15	1150	6	-	100	100	0.060		5		

PROJECT WILMINGTON

NO. HMA 2830

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

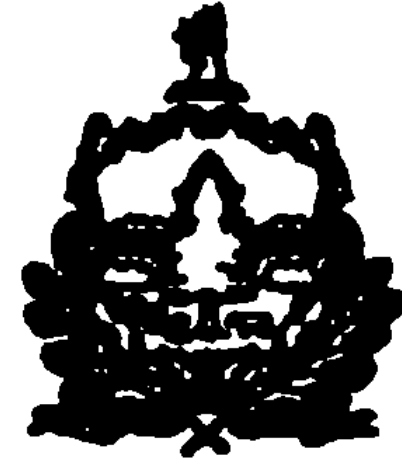
ITEM NO	646.36	646.30	646.24	608.35	608.25	608.37												
UNIT	LF	LF	LF	Hr.	Hr.	Hr.												
LOCATION																		
PROJECT SUBTOTALS	14,873	7476	7436	15	5	5												Est.
ROUNDING	7	4	4	-	-	-												
PROJECT TOTALS	14,880	7480	7440	15	5	5												
Changed by Larry Wheeler 11/18/87																		

PROJECT WILMINGTON

NO. HMA 2830

SHT. 35 OF 64
 SHEET 6 OF 7

STATE OF VERMONT
AGENCY OF TRANSPORTATION



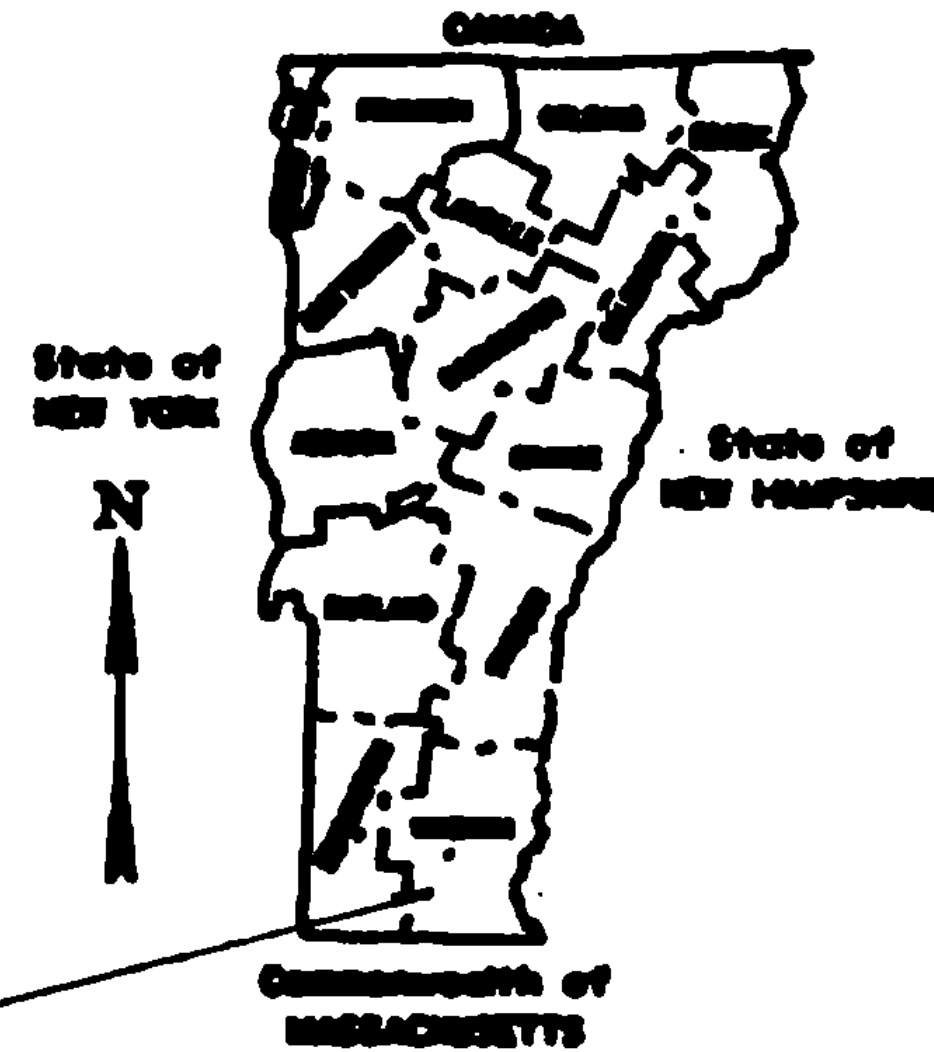
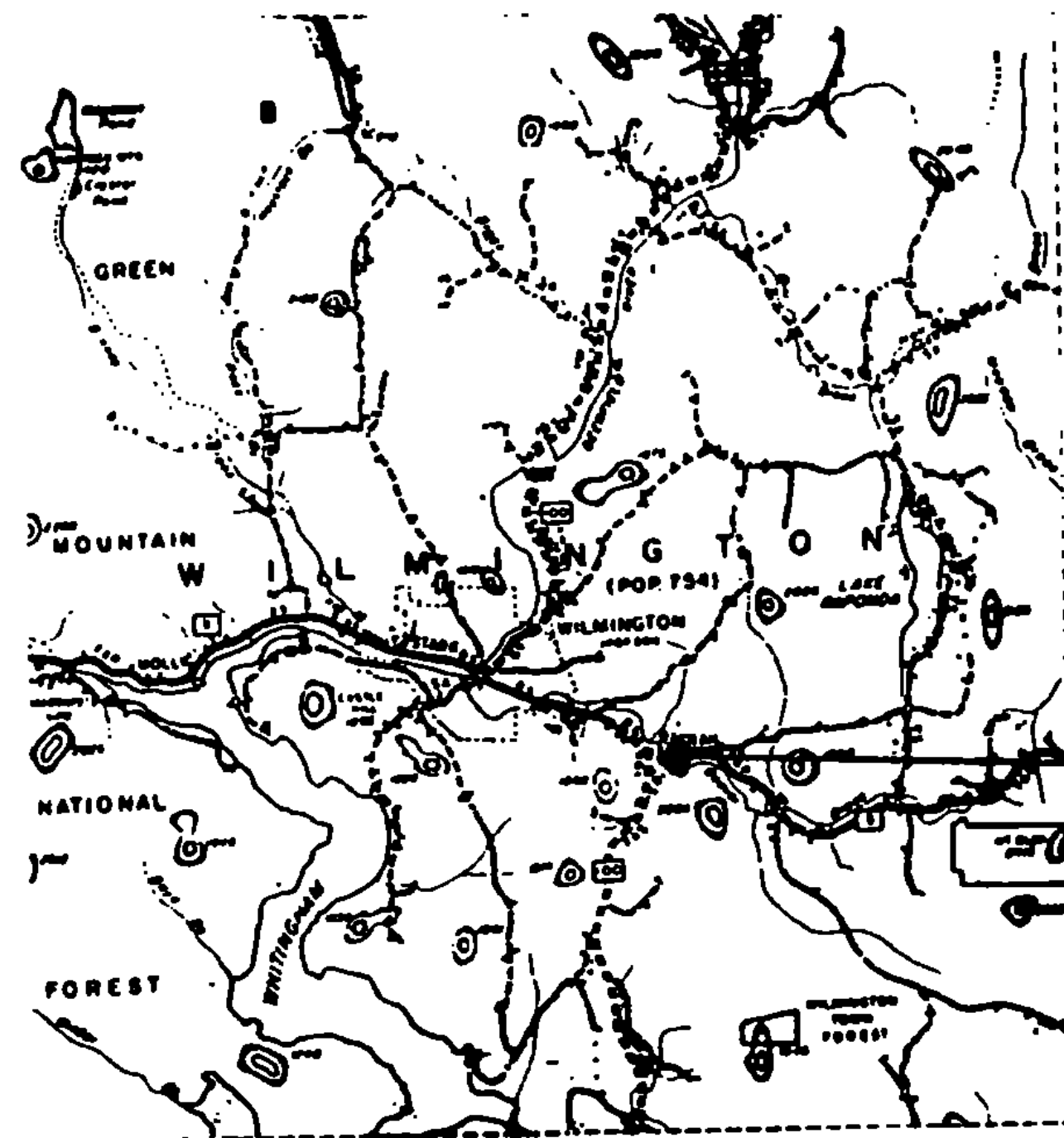
PROPOSED IMPROVEMENT

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 1964, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 2, 1965 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

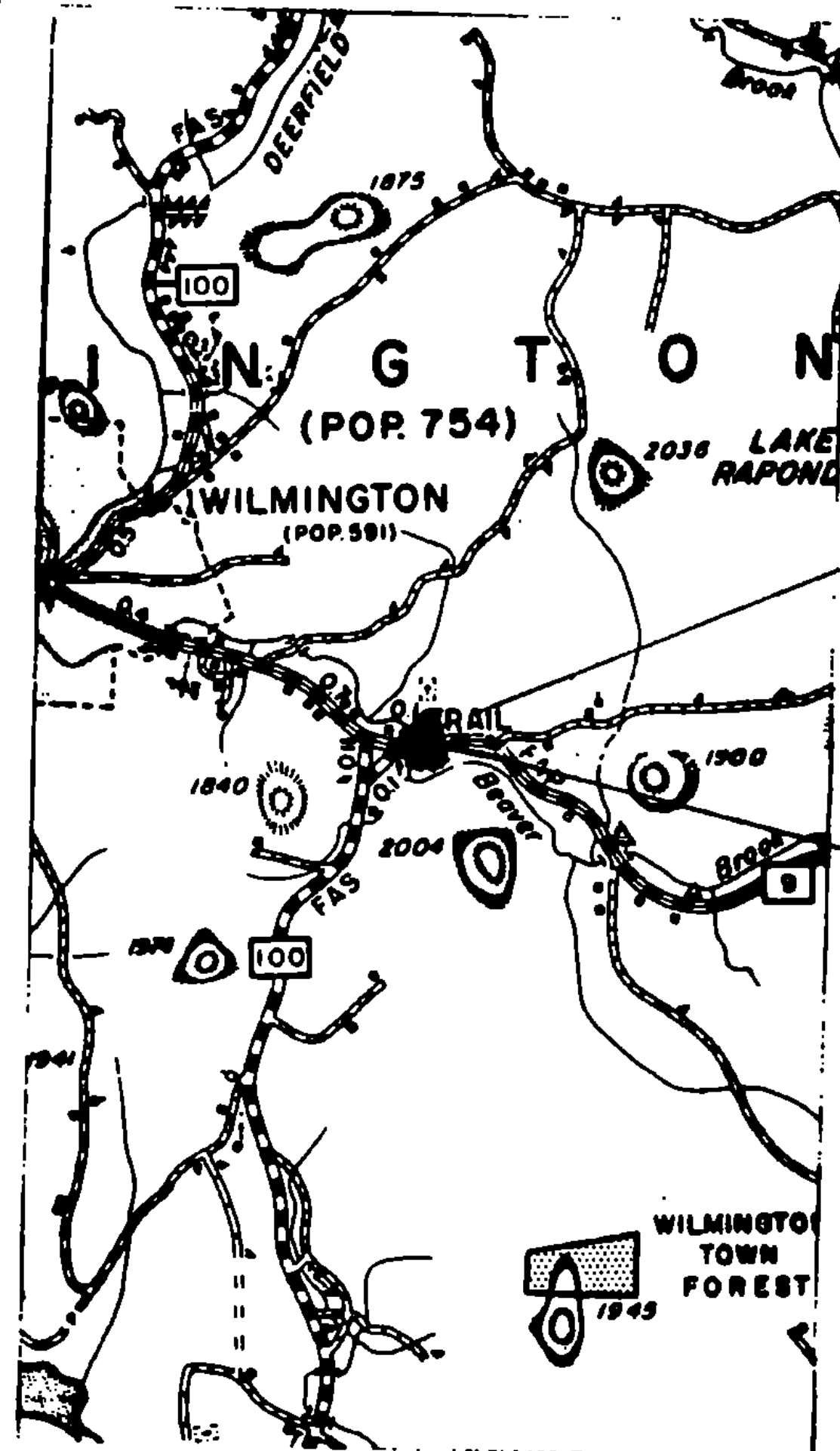
SHEET No.

- | | |
|---|--|
| 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.

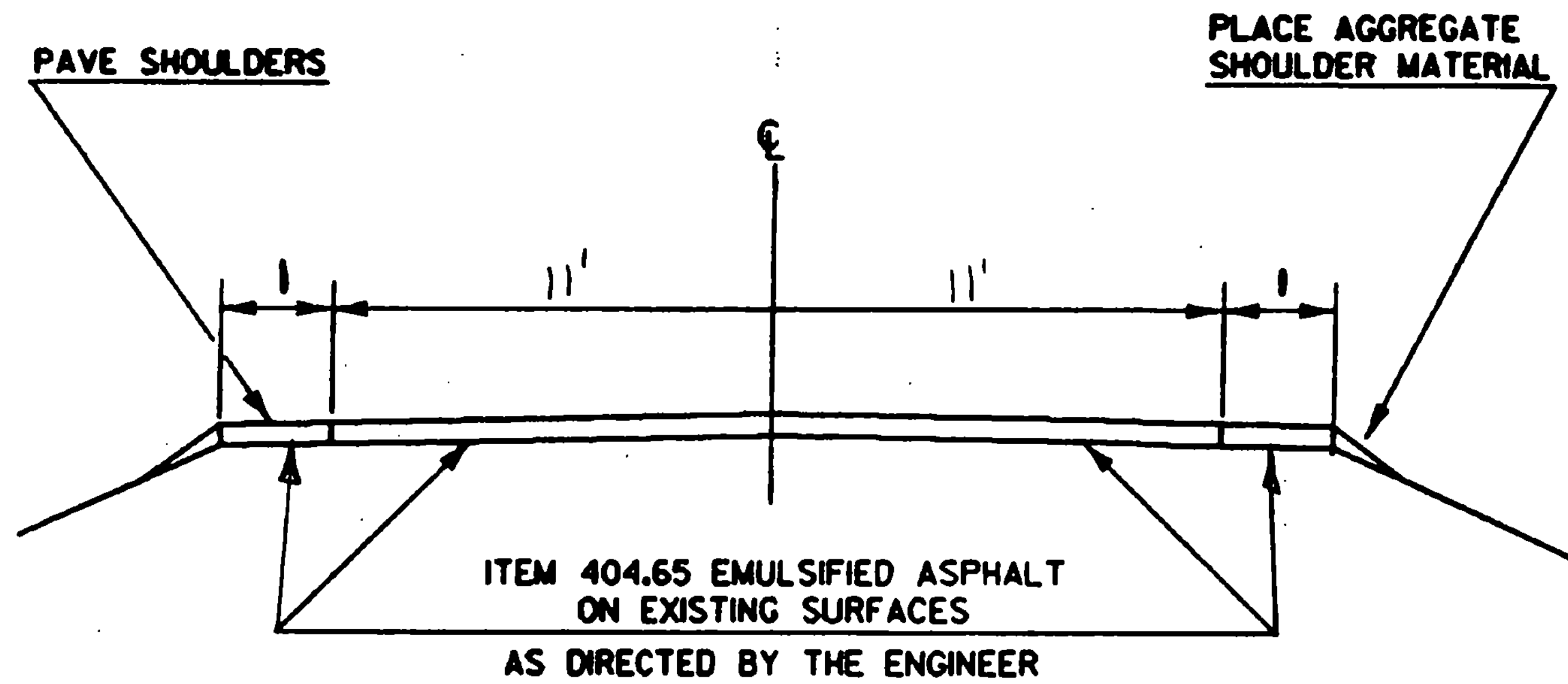
*NOTE: BRIDGE NO. 34 OVER BEAVER BROOK IS NOT TO BE
 PAVED. OVERLAY TO BE TAPERED DOWN TO MEET
 BRIDGE DECK PAVEMENT AT WEST END OF BRIDGE.

PROJECT WILMINGTON

NO. HMA 2815 SHEET 39 OF 61
 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

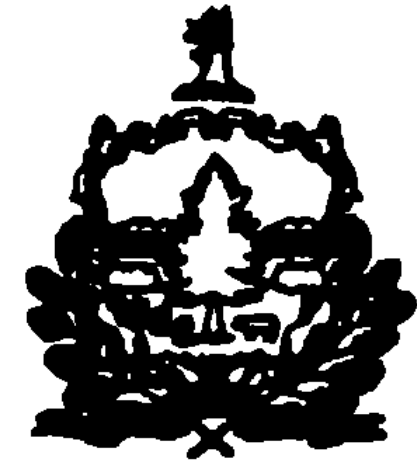
SHEET 4 OF 6 SHEETS
SHEET 40 OF 64

QUANTITIES

ITEM DESCRIPTION	402.11	402.12	404.65	406.25	604.40	608.15	608.25	608.30	630.10	630.15	635.10	642.00	644.00	646.35	646.44	646.48	646.57	608.31	651.35
ITEM	402.11	402.12	404.65	406.25	604.40	608.15	608.25	608.30	630.10	630.15	635.10	642.00	644.00	646.35	646.44	646.48	646.57	608.31	651.35
UNIT	CY	TON	CWT	TON	Eq.	Hr.	Hr.	Hr.	Hr.	Hr.	LS.	LF	LF	LF	Eq.	Eq.	LP	HR	CY
DESCRIPTION																			
TYPE III Mainline Shoulders				194.5															
Type II Leveling				17.7															
				102.6															
Sub Total	25							1.7	26.2	26.2	0.07	2292	2292				4523		5
Rounding	-		.2	5.2				.3	3.8	3.8	-	8	8				7		-
Grand Total	25	4		370	-	-	-	2	30	30	0.07	2300	2300	-	-	-	4590	-	5

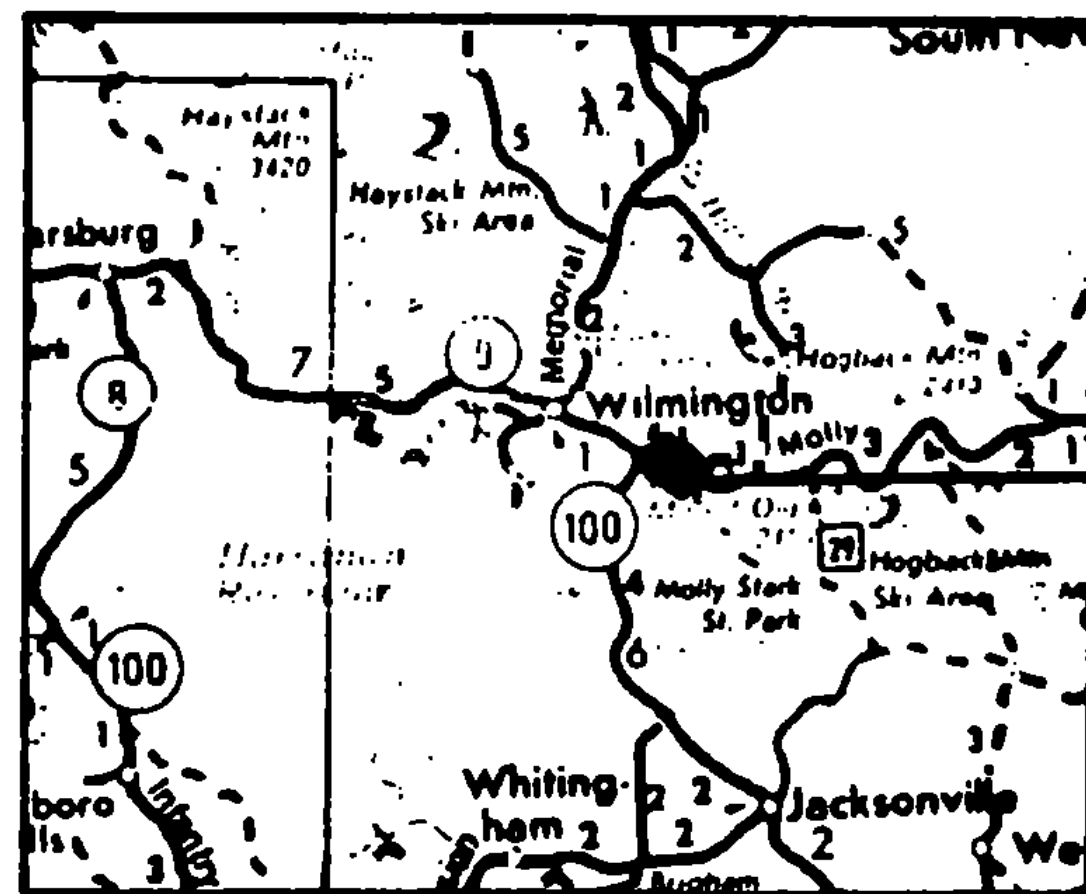
Changed by Larry Wheeler 11/18/87

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

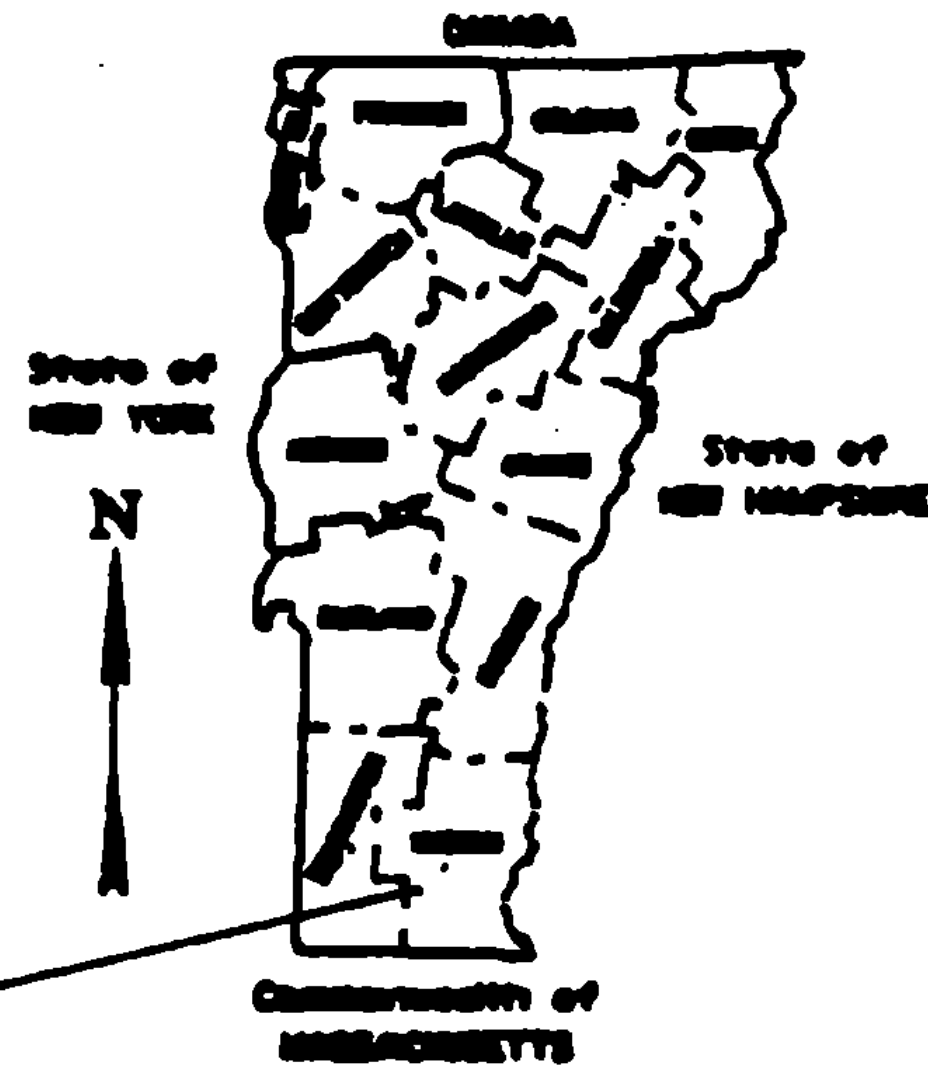


PROPOSED IMPROVEMENT

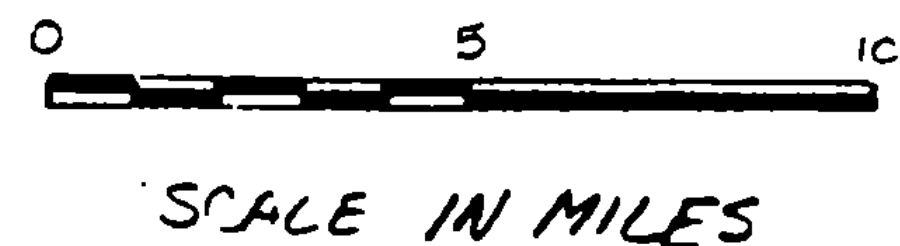
TOWN OF WILMINGTON
 COUNTY OF WINDHAM
 ROUTE NO. VT. RT. 9
 ROUTE CLASS F.A.P.



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.



REMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED _____ DATE _____
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA 2849

SHEET 1 OF 7 SHEETS

SHT. 43 OF 64 SHETS

FOR INDEX OF SHEETS, SEE SHT. 2

INDEX OF SHEETS

SHEET NUMBER

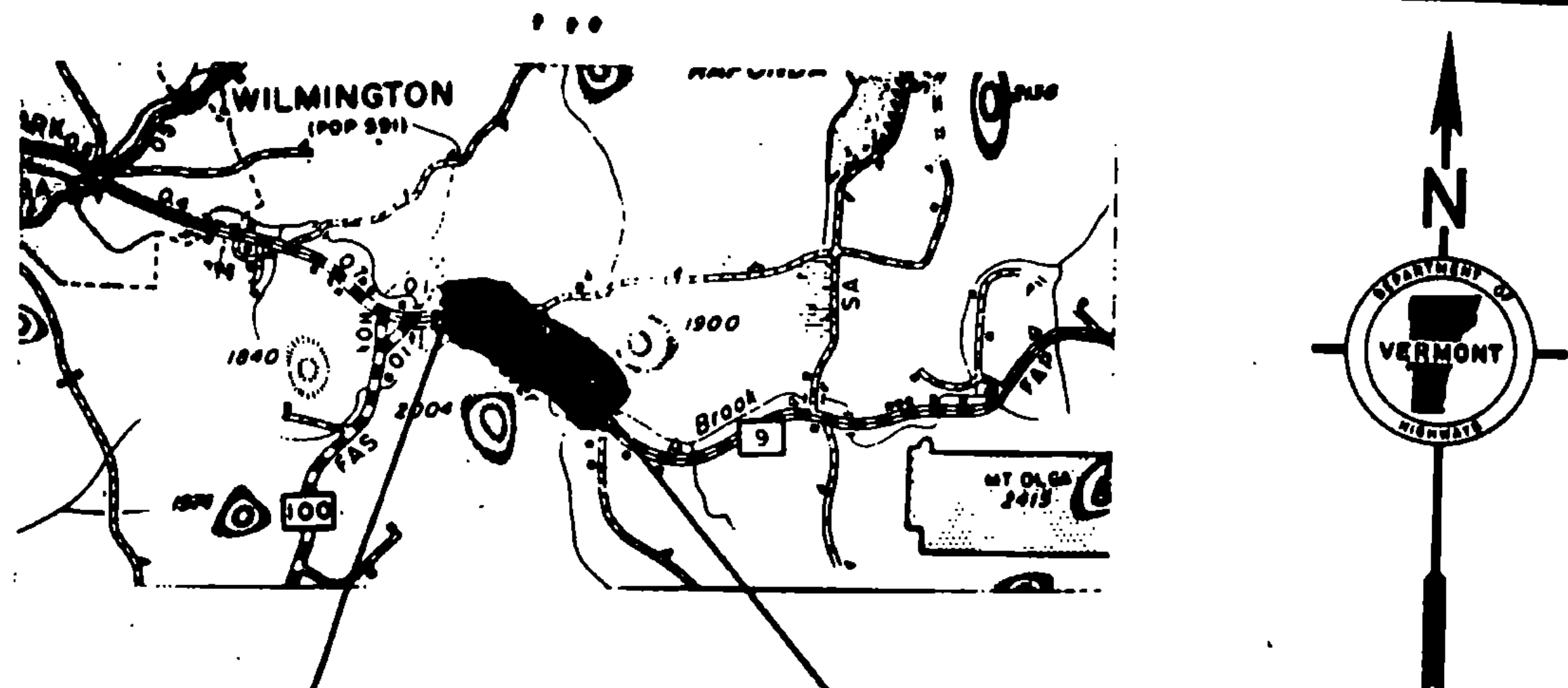
SHEET DESCRIPTION

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

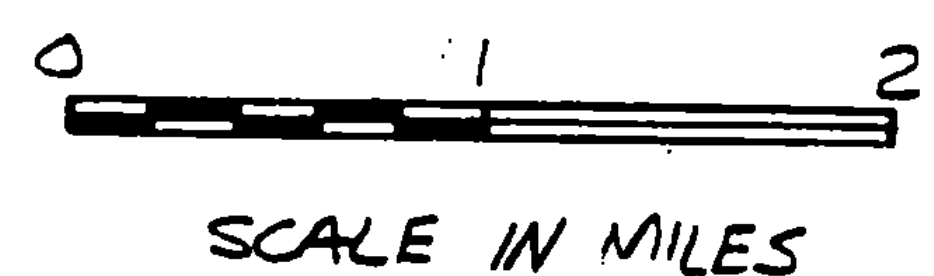
NO. HMA 2849
SHT. 44 OF 64 SHTS
SHT. 2 OF 7 SHTS.

PROJECT DESCRIPTION AND LOCATION



BEGIN PROJECT HMA
WILMINGTON MM 4.500

END PROJECT HMA
WILMINGTON MM 5.157
STOP AT BRIDGE # 36



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

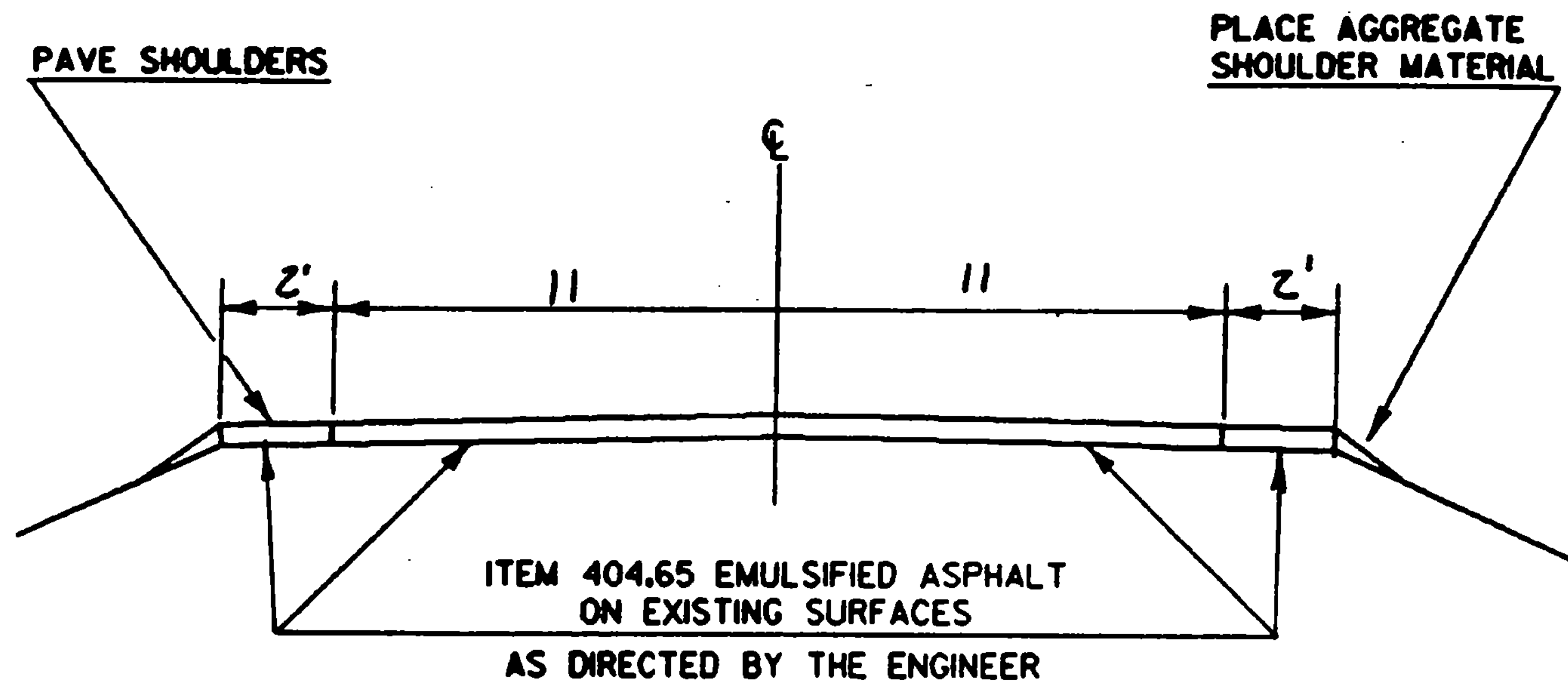
PROJECT INCLUDES OVERLAYING EXISTING BITUMINOUS CONCRETE
PAVEMENT (SHOULDERS INCLUDED) WITH 1 1/4" BITUMINOUS CONCRETE
PAVEMENT.

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' 6".



PROJECT WILMINGTON

No. HMA 2849

SHEET 4 OF 7 SHEETS

SHEET 46 OF 64 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION	LENGTH		WIDTH	OVERLAY DEPTH	LEVELING DEPTH	AGGREGATE COURSE, TYPE IV	AGGREGATE SHOULDERS	AGGREGATE SHOULDERS	EMULSIFIED ASPHALT	BITUMINOUS ASPHALT TYPE III	BITUMINOUS CONCRETE TYPE IV	POWER BROOM RENTAL	CHANGE OF ELEVATION (CB, DI, OR MH)	UNIFORMED TRAFFIC OFFICERS	FLAG PERSONS	MOBILIZATION
	ITEM NO	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.	
MM 4.500 5.157	3469.00	24	1.00		—		10.60	588.9								
	3469.00	4	1.00		—	35	0.96	107.1								
	3469.00				518				340.3							
						10	1	10								EST.
PROJECT TOTAL						45	12.56	706.0	340.3	526	—	91.2	91.2	0.054		
ROUTING							.44		3.7	1.74		8.8	8.8	—		
PROJECT TOTALS						45	13.00	1050	7			100	100	0.054		

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION

TEMPERARY 4" WHITE LINE
 TEMPORARY 4" YELLOW LINE
 TEMPORARY 4" YELLOW LINE
 TOPSOIL

ITEM NO	646.50	646.30	646.31	646.51	651.35															
UNIT	CF	CF	CF	CF	CY															
LOCATION																				
PROJECT TOTALS	6938	6958	13716	5																
ROUNDING	12	12	4	-																
NET TOTALS	6950	6970	13,720	5																

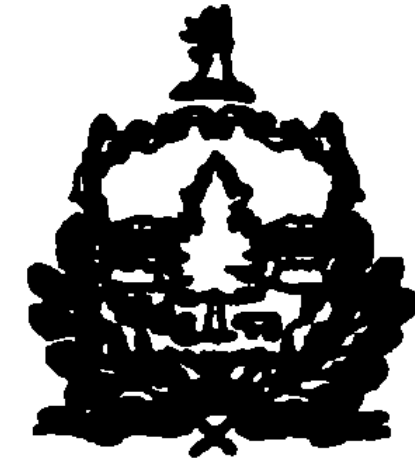
Changed by Larry Wheeler 11/18/87

PROJECT WILMINGTON

NO. HMA 2849

SHEET 48 OF 64
 SHEET 6 OF 7

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**



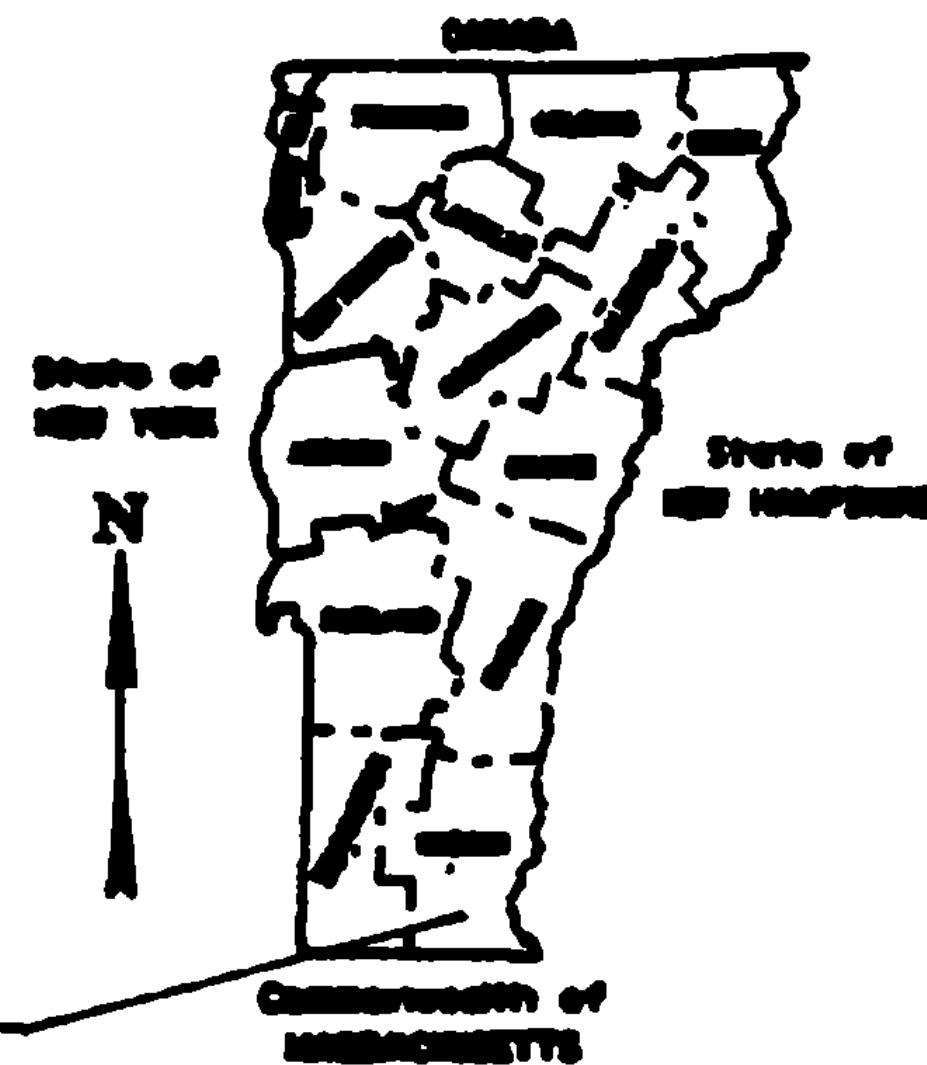
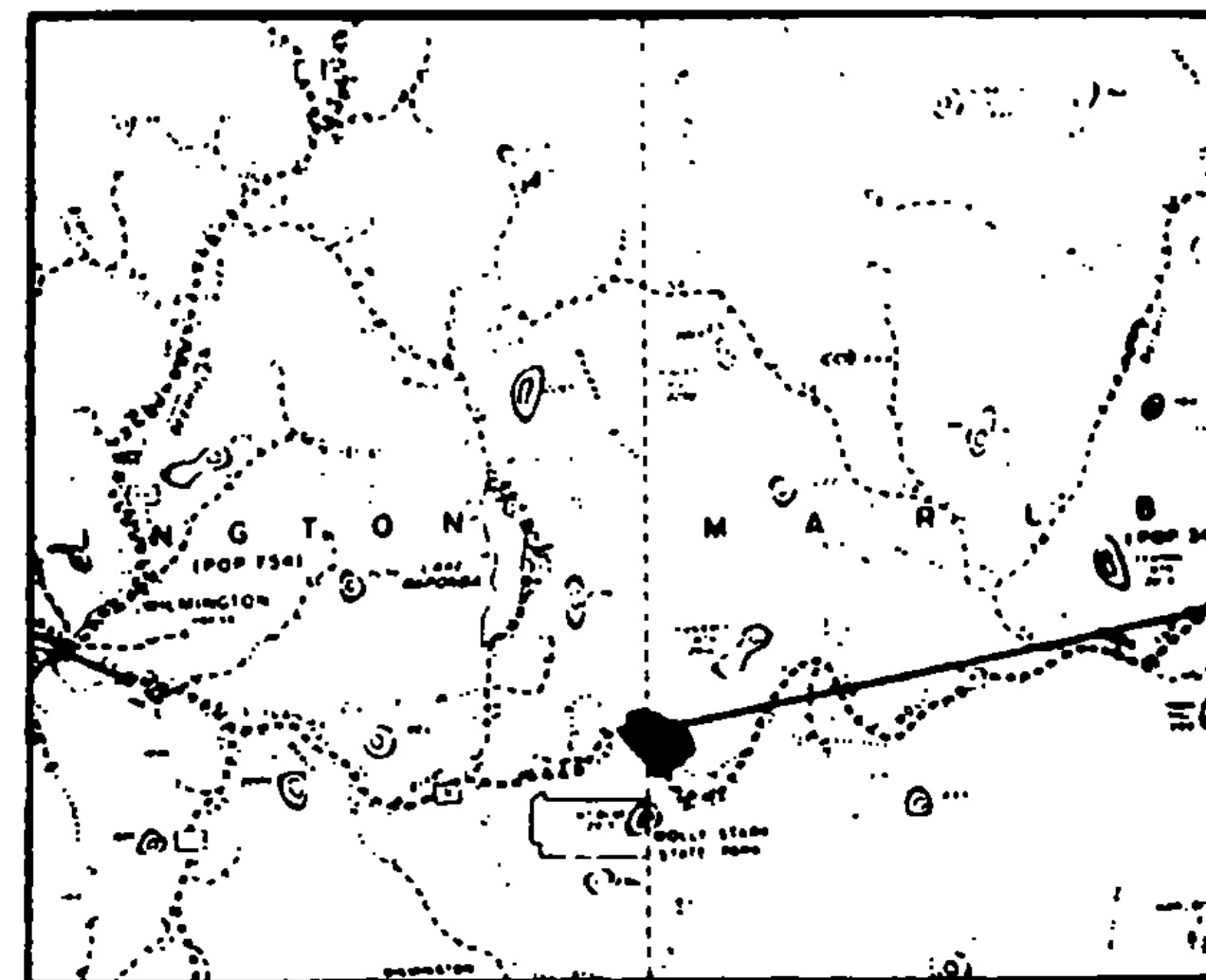
PROPOSED IMPROVEMENT

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 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.

DESIGNED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED _____ DATE _____
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HMA # 2851

SHEET 1 OF 8 SHEETS



NUMBER OF SHEETS, SEE SHEET

SHEET 50 OF 64 SHEETS

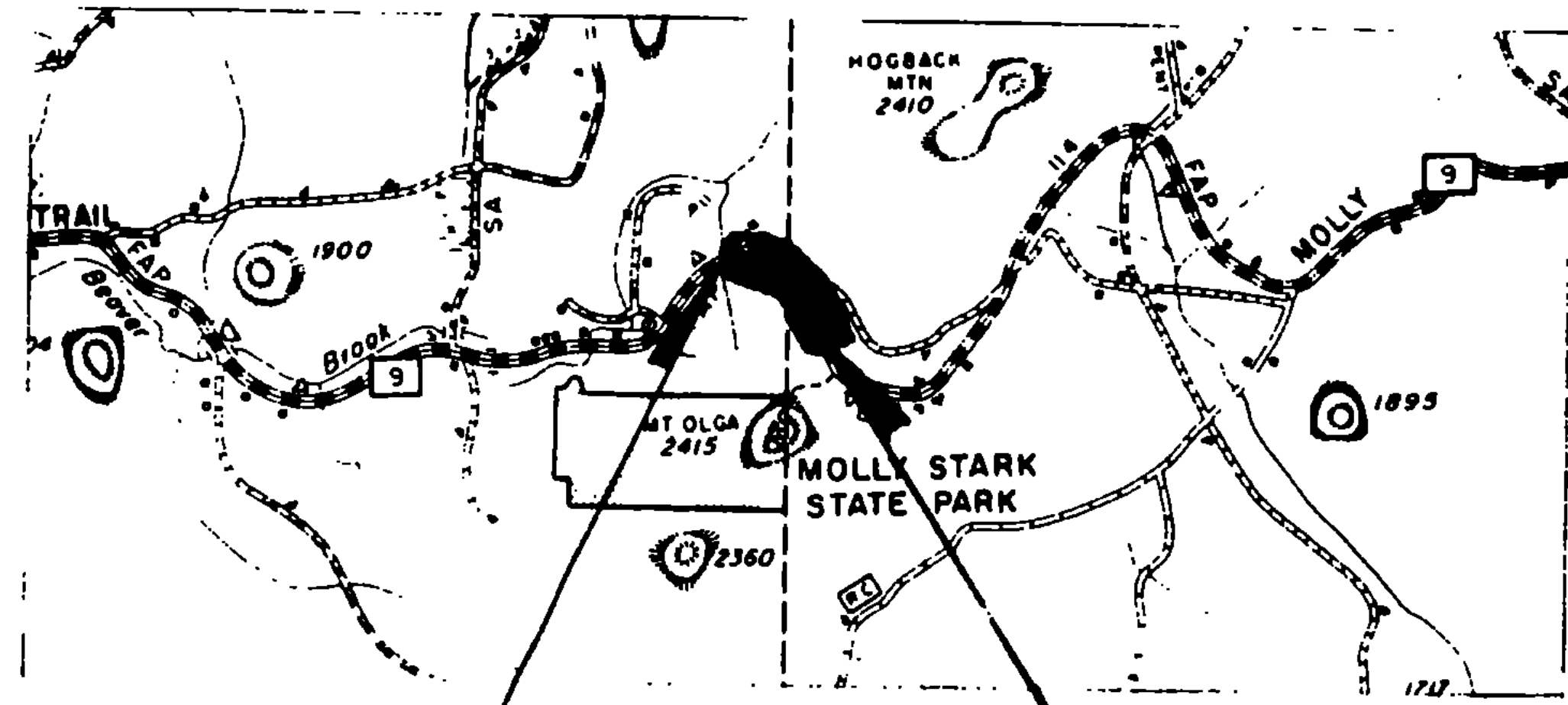
INDEX OF SHEETS

<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 - VALE RD

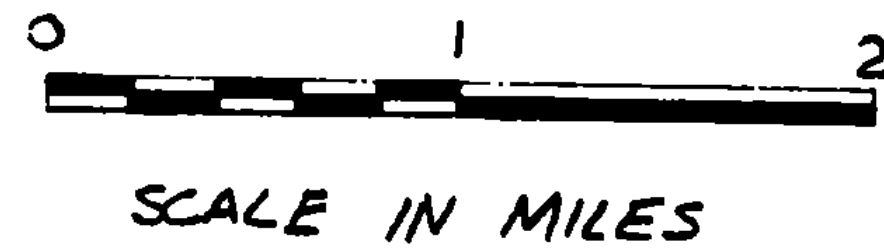
NO. HMA 2851
SHT 51 OF 64 SHTS.
SHT. 2 OF 8 SHTS.

PROJECT DESCRIPTION AND LOCATION



BEGIN PROJECT HMA
WILMINGTON MM 7.118

END PROJECT HMA
MARLBORO MM 0.470



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

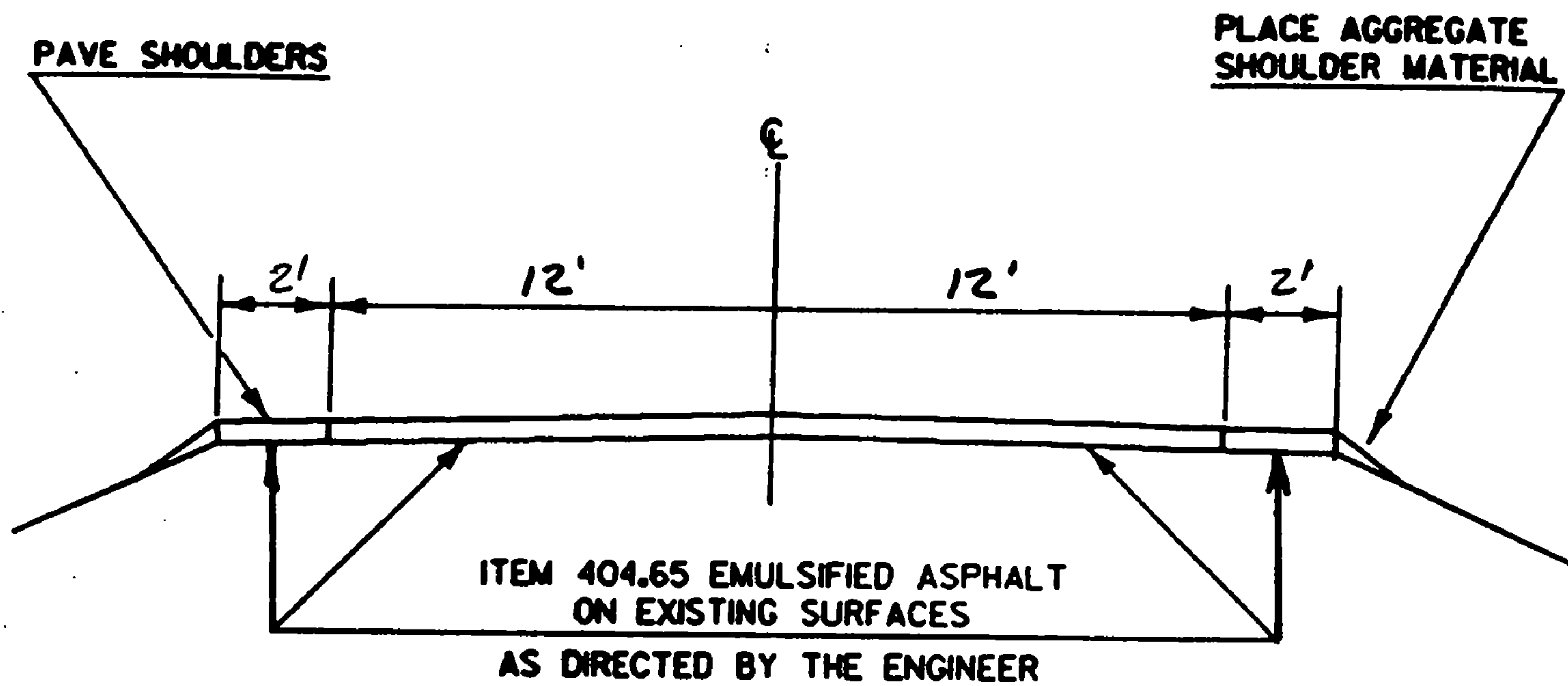
PROJECT INCLUDES OVERLAYING EXISTING BITUMINOUS CONCRETE PAVEMENT
(CHUCKERS INCLUDED), WITH 1 1/4" BITUMINOUS CONCRETE PAVEMENT.

PROJECT WILMINGTON - MARLBORO

NO. HMA 2851
SHT. 52 OF 64
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)
1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
AS DIRECTED BY THE ENGINEER



PROJECT WILMINGTON-MARLBORO

NO. HMA 2851

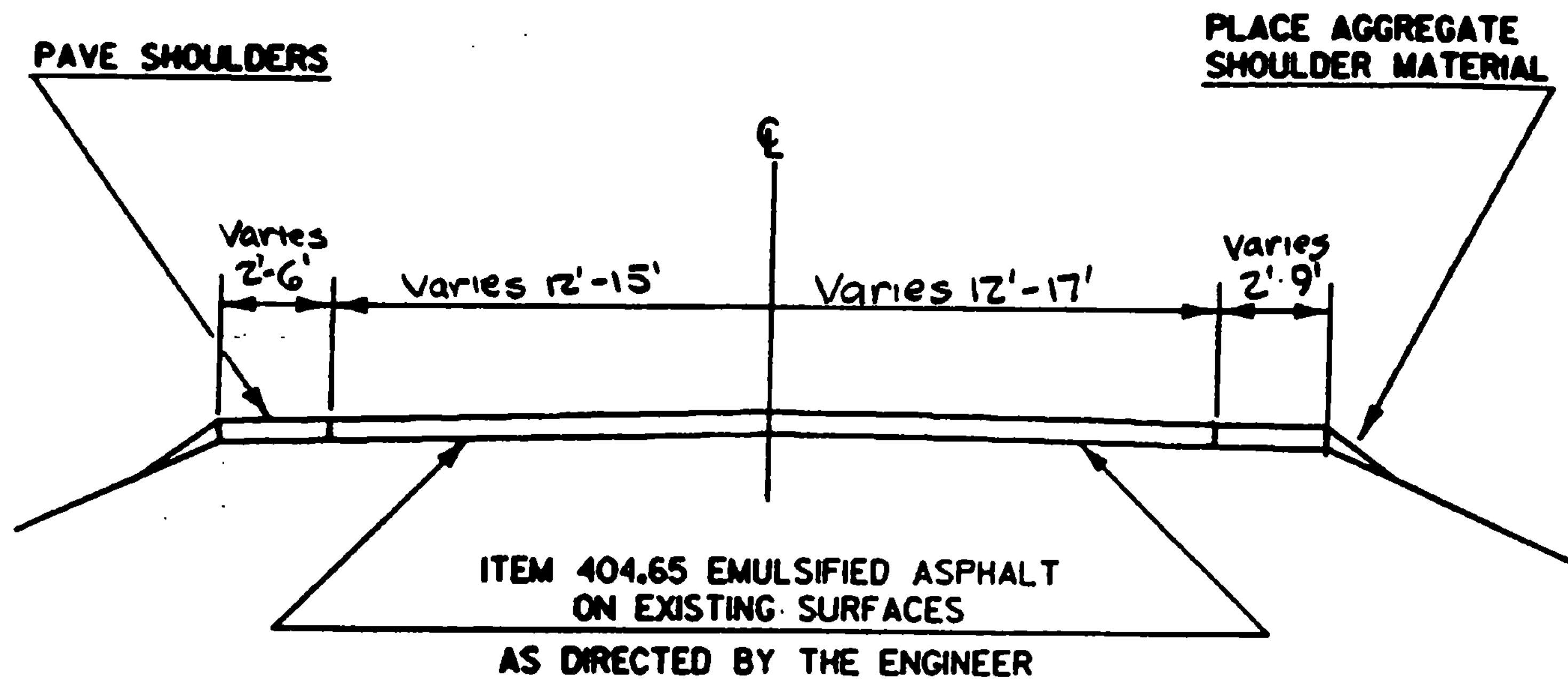
SHEET 4 OF 8 SHEETS

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)
1/4" 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	ITEM DESCRIPTION		LENGTH	WIDTH	OVERLAY DEPTH	LEVELING DEPTH	AGGREGATE COURSE, TYPE IV	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
	UNIT	LOCATION	FT.	FT.	IN.	TONS/MI.	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.
	WILMINGTON MM 7.118 - MARLBORO MM 0.220		2312.64	24	1.25	-	-	7.68	428.3							
			2312.64	6	1.25	-	25	1.28	71.4							ROADWAY
			2312.64			341				149.4						SHOULDERS,
																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
	ROUNDINGS									1031.4						
										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 2851

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION

TEMPORARY
~~WHEELS~~
~~PARALLEL~~

4" WHITE LINE
 4" YELLOW LINE
 TEMPORARY 4" YELLOW LINE
 TOPSOIL

ITEM NO	646.30	646.31	646.51	651.35														
UNIT	LF	LF	LF	CY														
LOCATION																		
PROJECT SUBTOTALS	6631.68	6472	12944	5														
ROUNDING	8.32	→	6	-														
PROJECT TOTALS	6640	6479	12950	5														

Changed by Larry Wheeler 11/10/87

