

10-11 PROJECT LENGTHS AND ITEM QUANTITIES
12-12C CENTER LINE MARKING

BENNINGTON-WOODFORD-WILMINGTON HMA 2618

13-14 PROJECT DESCRIPTION AND LOCATION
15-16 TYPICAL SECTIONS AND DESIGN DATA
17-18 PROJECT LENGTHS AND ITEM QUANTITIES
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FOI0-1(24)S

BENNINGTON-WOODFORD
PROJECT SEARSPRING - WILMINGTON - SHATTUCK

NO. FOI0-1(22)S, HMA 2619
HMA 2619, HMA 2620

SHEET 2 OF 50 SHEETS

30

PROJECT LENGTHS AND ITEM QUANTITIES

31-32

CENTERLINE MARKINGS

BENNINGTON HMA 2620

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PROJECT DESCRIPTION AND LOCATION

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40

STOP BAR DETAILS WITH SIGNAL

F010-1(24)S

BENNINGTON - WOODFORD - SEARSBURG
PROJECT WILMINGTON 1 - SHREVEBURG

NO. F010-1(22)S, HMA 2618
HMA 2619, HMA 2620

SHEET 2A OF 50 SHEETS

PROJECT BENNINGTON - WOODFORD - SEARSBURG
WILMINGTON - SHATTSBURY

FO10-1(24) & FO10-1(22)S
NO. HMA2618, HMA2619, HMA2620
SHEET 28 OF 50 SHEETS

PROJECT LENGTHS AND

ITEM DESCRIPTION

TOPSOIL
OFFICIAL REPORT
ITEMS

ITEM NUMBER

653.10
402.10
402.11
404.55

UNIT LOCATION	FEET	FT	INCH	CY	CY	TON	TON	CWT	TON
BENNINGTON FO19-1(22)S				40	100	175		60	456
BENNINGTON-WOODFORD WILMINGTON HMA 2618				90	550	960		75	442
WOODFORD SEARSBURG FO10-1(24)S				85	150	250		120	940
BENNINGTON SHRETSBURY HMA 2619				70	1275	2050		55	3405
BENNINGTON HMA 2620				40	100	175		25	1860
TOTALS				325	2175	3610		335	23645

BENNINGTON - WOODFORD - SEARSBURG
WILMINGTON - SHRETSBURY

PROJECT LENGTHS

AND

COLD PLAINING BIT. CONC. PAVT.
 DURABLE LETTER IN WORD MARKING
 PAINTED CURB
 DURABLE 2 1/2" STAB BR
 DURABLE 8" STAB BR

ITEM DESCRIPTION

ITEM NO	210.10	646.66	646.21	646.64	646.62	646.60	646.60
UNIT	SY	EA.	LF	LF	LF	LF	LF
LOCATION							
BENNINGTON FO19-1(22)S	18120	10			750	50	20
BENNINGTON-WOODFORD WILMINGTON HMA 2618		12					
WOODFORD SEARSBURG FO10-1(24)S							
BENNINGTON SHAFTSBURY HMA 2619							
BENNINGTON HMA 2620		5	160	26	850		2
TOTALS	18120	27	160	26	1600	50	4

BENNINGTON-WOODFORD-SEARSBURG

COMPOSITE PROJECT WILMINGTON - SHAFTSBURY

PROJECT LENGTHS AN

ITEM DESCRIPTION

TRAFFIC SIGN POST TYPE A
 TRAFFIC SIGN POST TYPE B
 TRAFFIC SIGN POST TYPE C

ITEM NO	675.35	675.37	675.53			
UNIT	LB	LB	EA			
LOCATION						
BENNINGTON FO19-1(22)S		70	7			
HMA 2618						
FO10-1(24)S						
HMA 2619						
HMA 2620	500		4			
TOTALS	500	70	11			

COMPOSITE PROJECT WILMINGTON - SHAFTSBURY
 BENNINGTON - WOODFORD - SCARSBURY

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

F010-1(24)S

F010-K(22)S, HMA 2618

No. HMA 2619, HMA 2620

BENNINGTON - WOODFORD

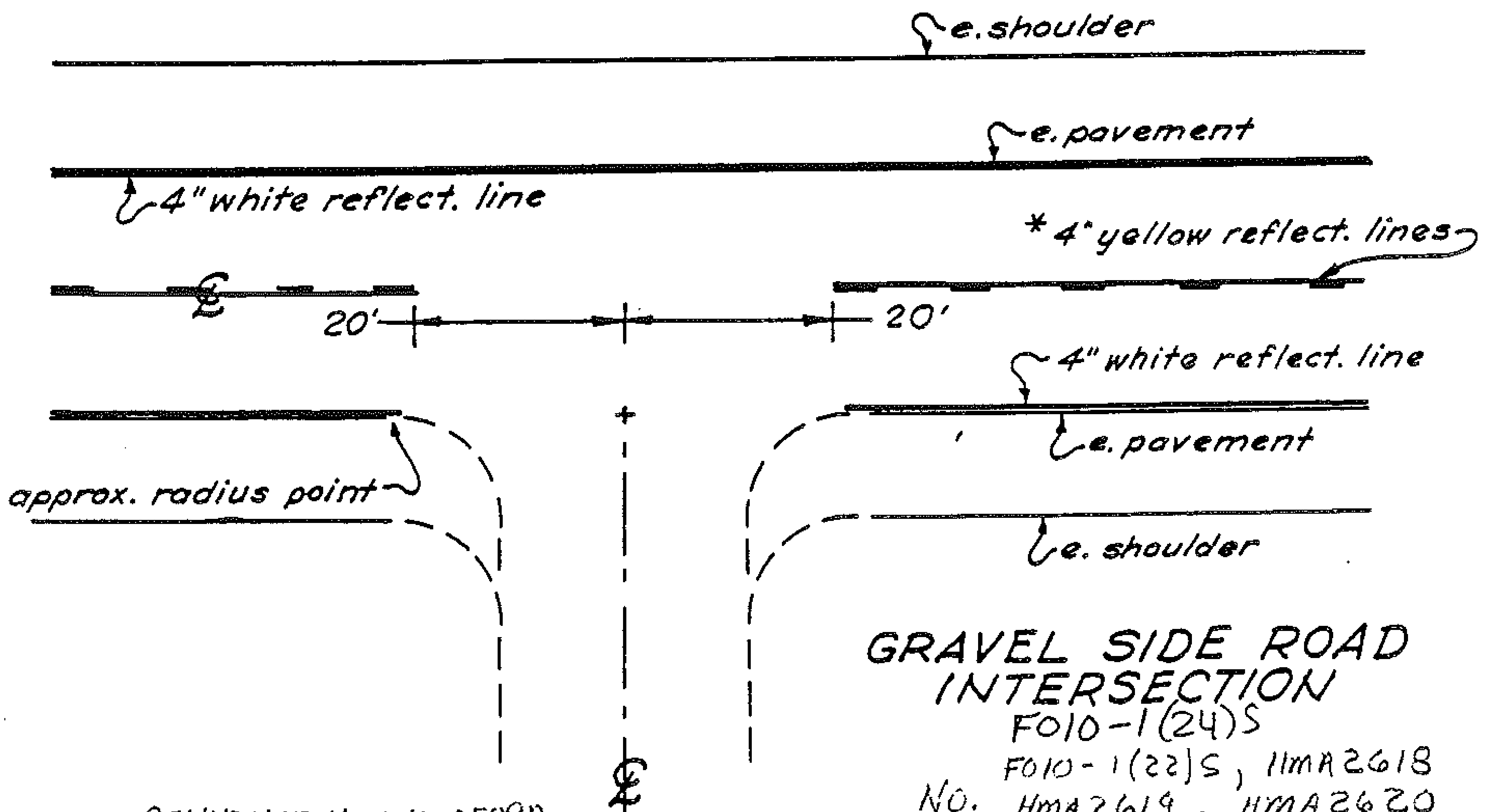
SEARSBURG - WILMINGTON

SHAFEEBURY

PROJECT:

SHEET 5 OF 50 SHEETS

* 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.



GRAVEL SIDE ROAD INTERSECTION

F010-1(24)S
 F010-1(22)S, HMA 2618
 NO. HMA 2619, HMA 2620

BENNINGTON - WOODFORD
 PROJECT: SEARCUMS - WILMINGTON - SHAFTELDAY

SHEET 6 OF 50 SHEETS

SCALE 1" = 1 MILE

BEGIN PROJECT

MM 4.242

END PROJECT

MM 5.765

BRIDGE 14-S

DO NOT PAVE

MM 4.99

US 7-BEGINNING IN THE TOWN OF BENNINGTON AT MM 4.242 AND EXTENDING
NORTHERLY 1.523 MILES TO MM 5.765 S. BOUND ONLY. ALSO RAMPS A AND H.

LENGTH OF PROJECT

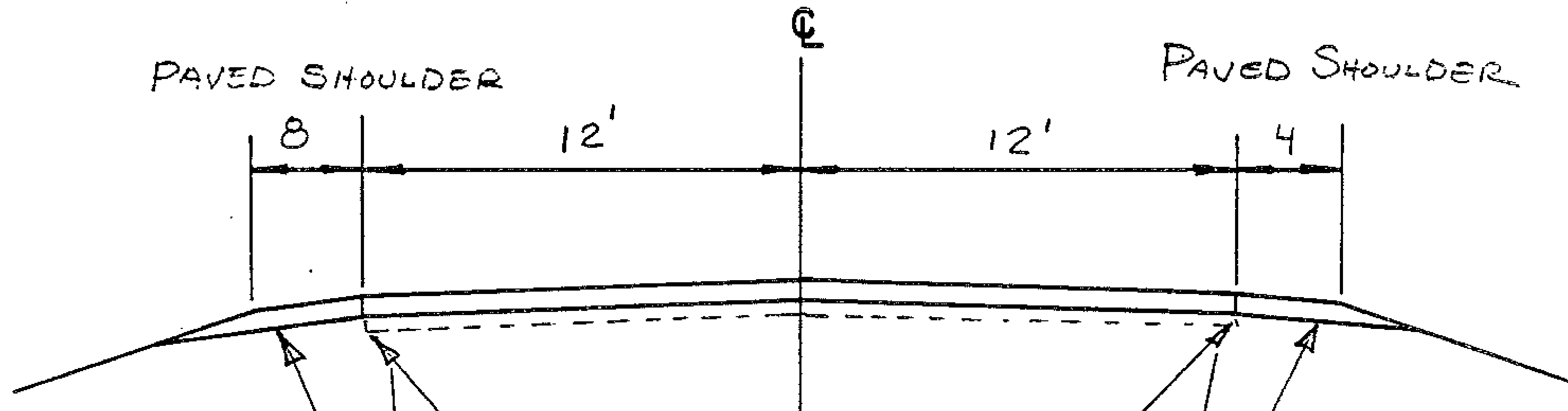
2.704 MILES

14278 FEET

PROJECT BENNINGTON

NO. F019-1(22)S

SHEET 7 OF 60 SHEETS



LIMITS OF COLD PLANING

ITEM 404.65 EMULSIFIED ASPHALT
AS DIRECTED BY THE ENGINEER

MM 4.812 - MM 5.000 S. BOUND

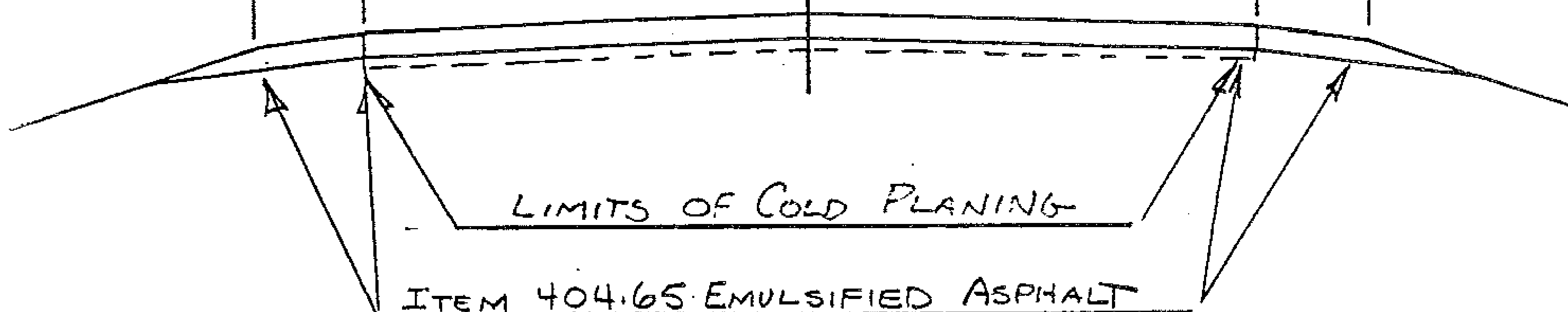
1982 ADT - 5790

V = 50

PROJECT BENNINGTON - U.S. 7

NO. F019-1(22)S

SHEET 8 OF 50



LIMITS OF COLD PLANING

ITEM 404.65 EMULSIFIED ASPHALT
AS DIRECTED BY THE ENGINEER

MM 5.142 ~ MM 5.765
S. BOUND ONLY

1982 ADT 5790

V = 50

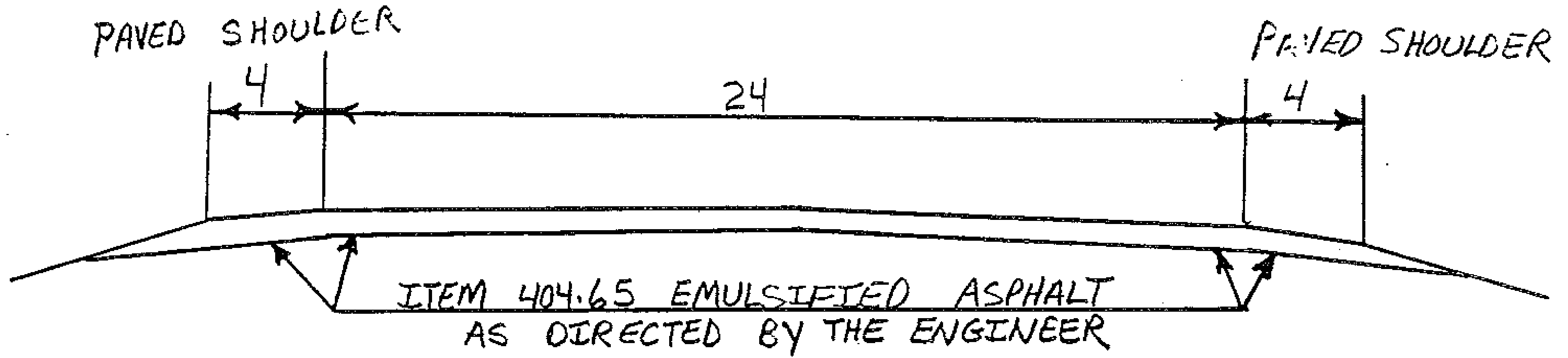
PROJECT BENNINGTON - 157

NO. F019-1(22)S

SHEET 9 OF 50 SHEETS

RAMP A ADT 1982 285
V=35

RAMP H ADT 1982 1370
V=35



RAMP A MM 0.445 ~ MM 0.836

PROJECT BENNINGTON

NO. F019-1(22)S
SHEET 9A OF 50

PROJECT LENGTHS AND

ITEM DESCRIPTION

ITEM NUMBER	210.10			402.10			404.11		
	FEET	INCH	S.Y.	CY	TON	CWT	TON	CWT	TON
BENNINGTON MM 4.242-5.765 S-BOUND ONLY	8041	24	18101	100	175	35			137
Ramps	[2063]	24				9			38
Ramps	[4174]	16				14			5
PROJ EST.									112
ROUNDING			19			1			7
TOTAL			18120	100	175	60			456

PROJECT BENNINGTON - 057

TEMPORARY 4" REFLECTORIZED WHITE LINE

4.242

5.765

8041

2010

8041

2010

100% ϕ lost in leveling

2010

ALSO LOSS FOR COLD PLANING

12061

SEE LAYOUT SHEET # 12A, B, AND C

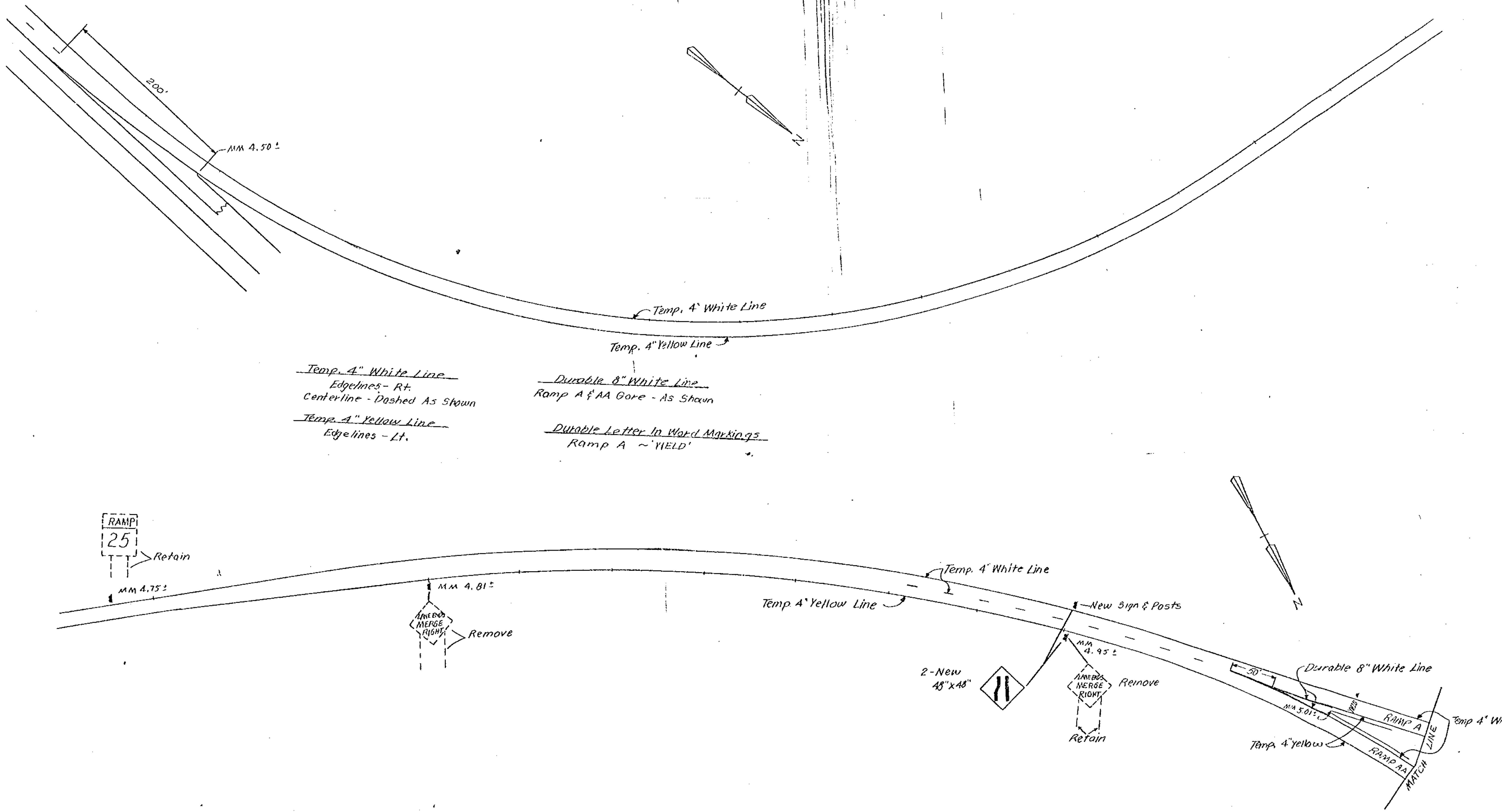
PROJECT:

BENNINGTON

(S. BOUND ONLY)

No. FOI 9-1(22)S

SHEET 12 OF 50 SHEETS

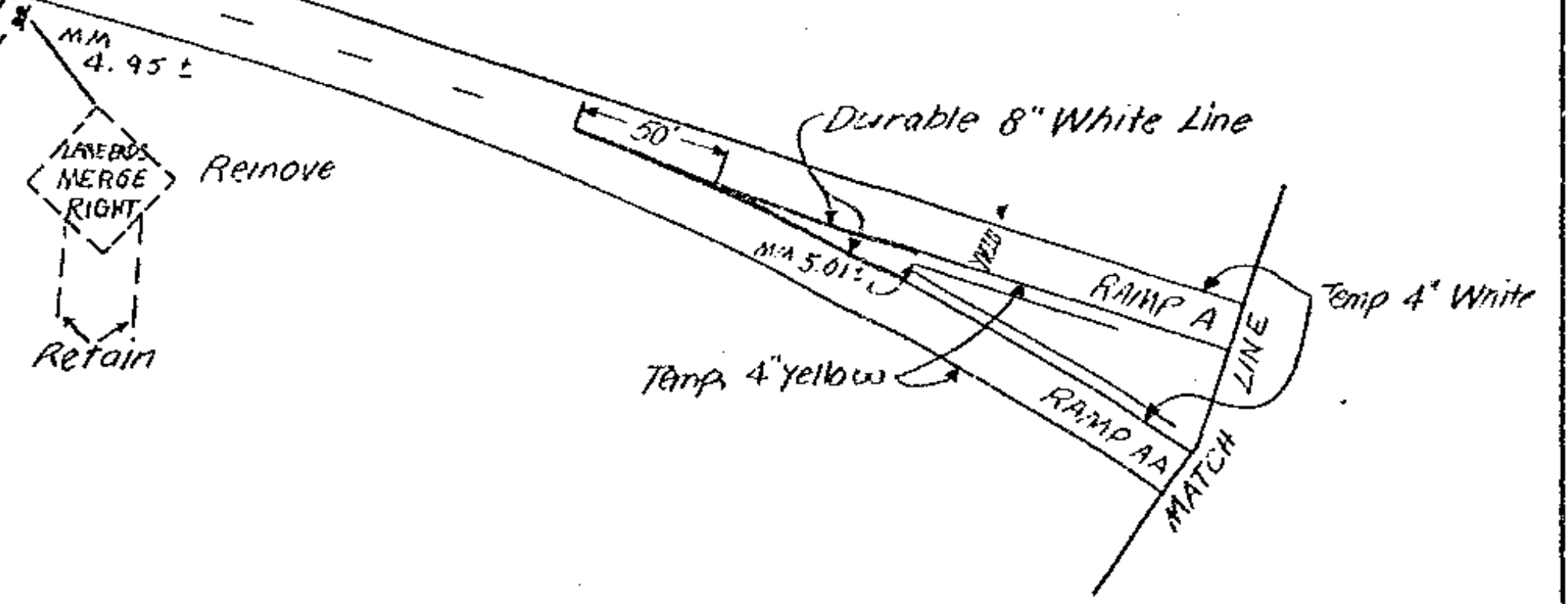
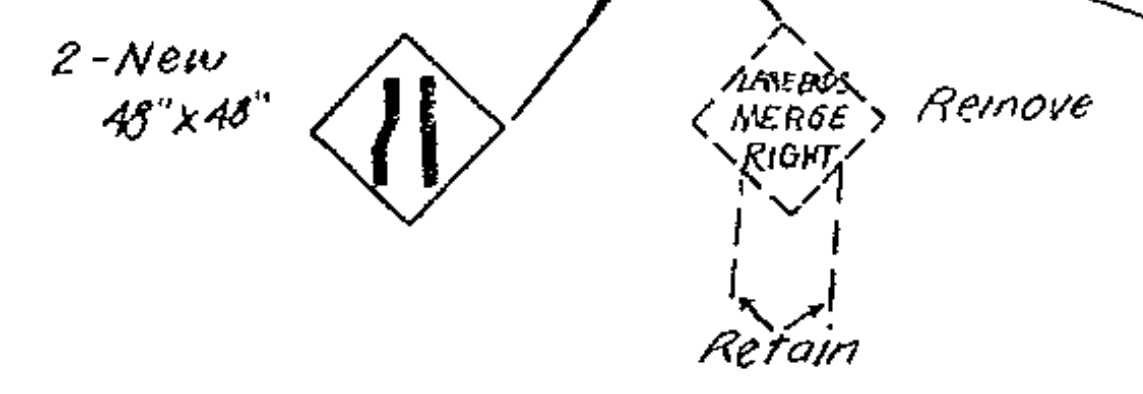
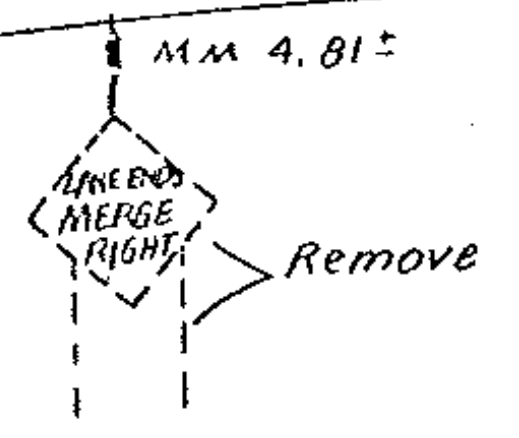
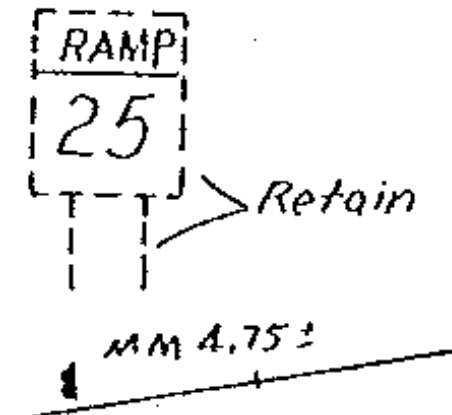


Temp. 4" White Line
 Edgelines - Rt.
 Centerline - Dashed As Shown

Temp. 4" Yellow Line
 Edgelines - Lt.

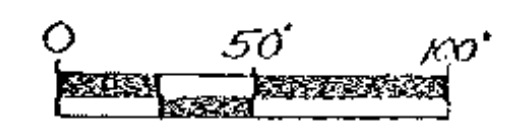
Durable 8" White Line
 Ramp A & AA Gore - As Shown

Durable Letter In Word Markings
 Ramp A ~ 'YIELD'



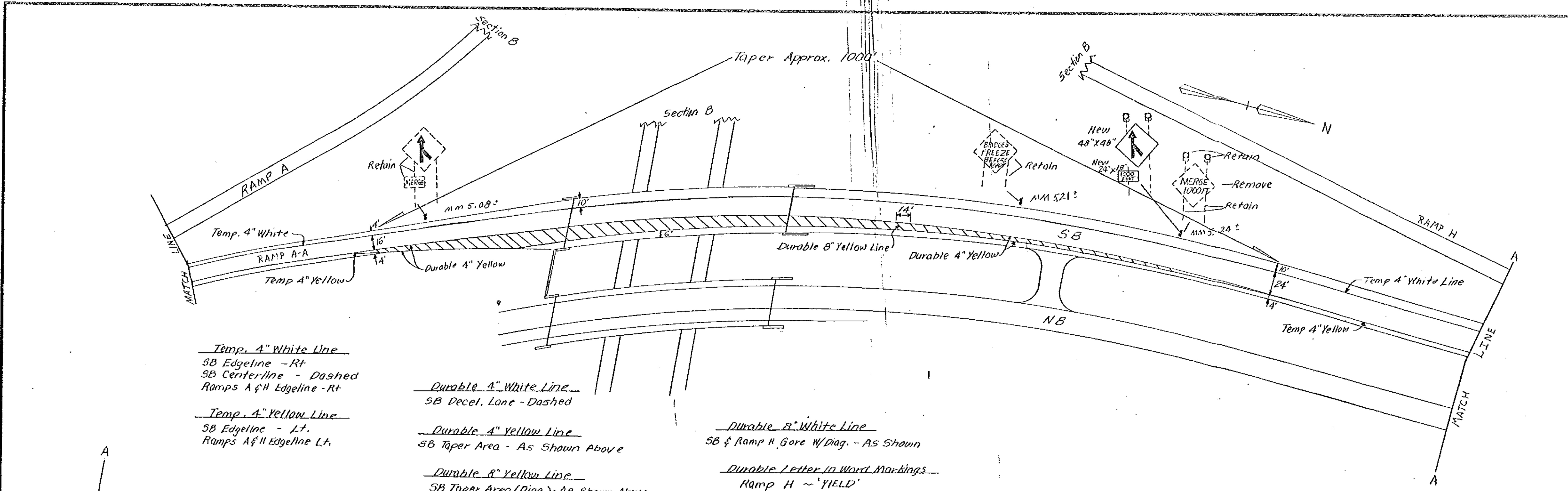
US 7 SB

DATUM	_____
VERTICAL	_____
HORIZONTAL	_____



SURVEYED BY _____ DATE _____
 DRAWN BY J.B. DATE 6-85
 TRACED BY J.B. DATE 6-85

BENNINGTON
 PROJ. F NO. 019-1(22)5
 SHEET 12A OF 50



Temp. 4" White Line
 SB Edgeline - Rt
 SB Centerline - Dashed
 Ramps A & H Edgeline - Rt

Temp. 4" Yellow Line
 SB Edgeline - Lt.
 Ramps A & H Edgeline Lt.

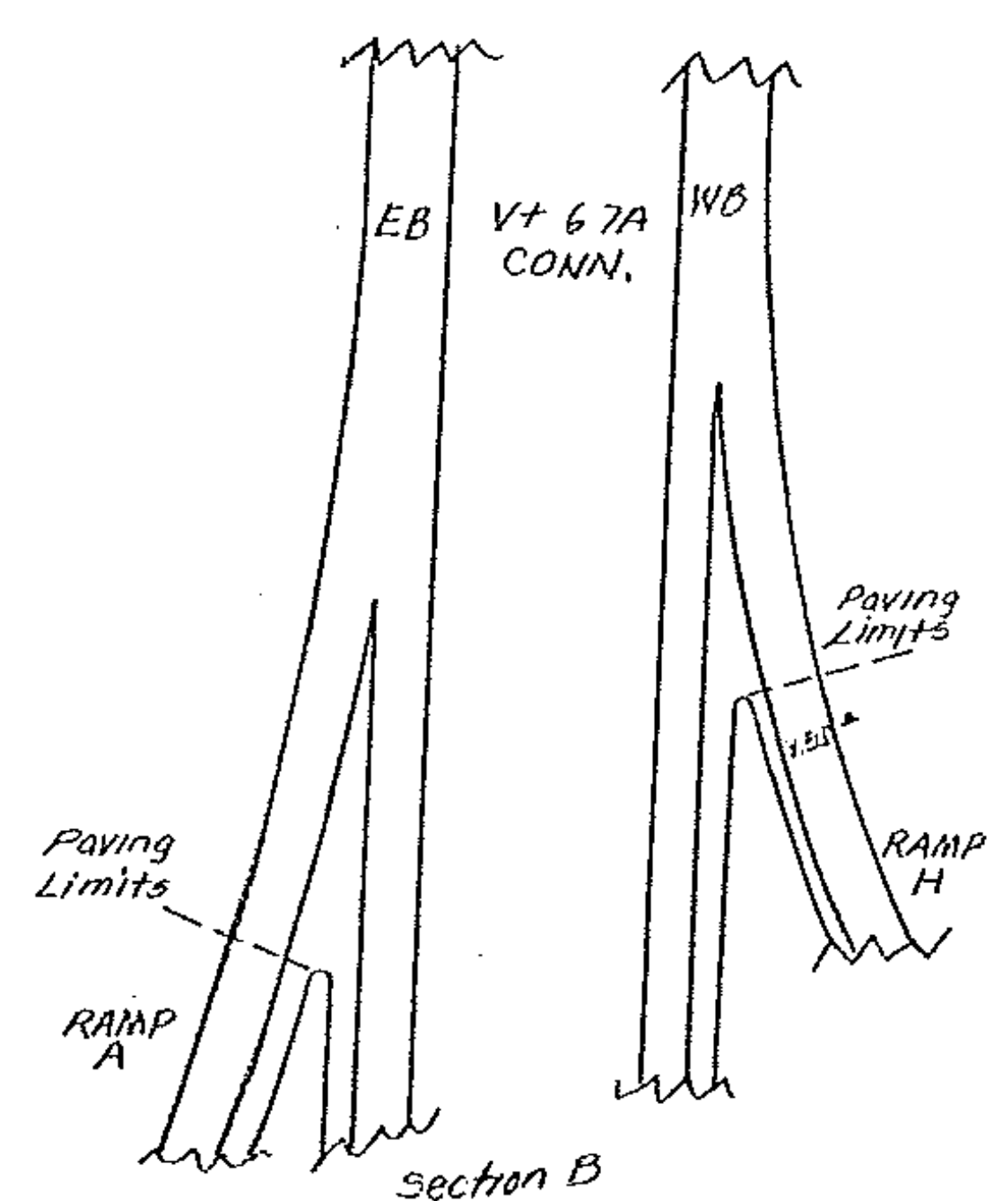
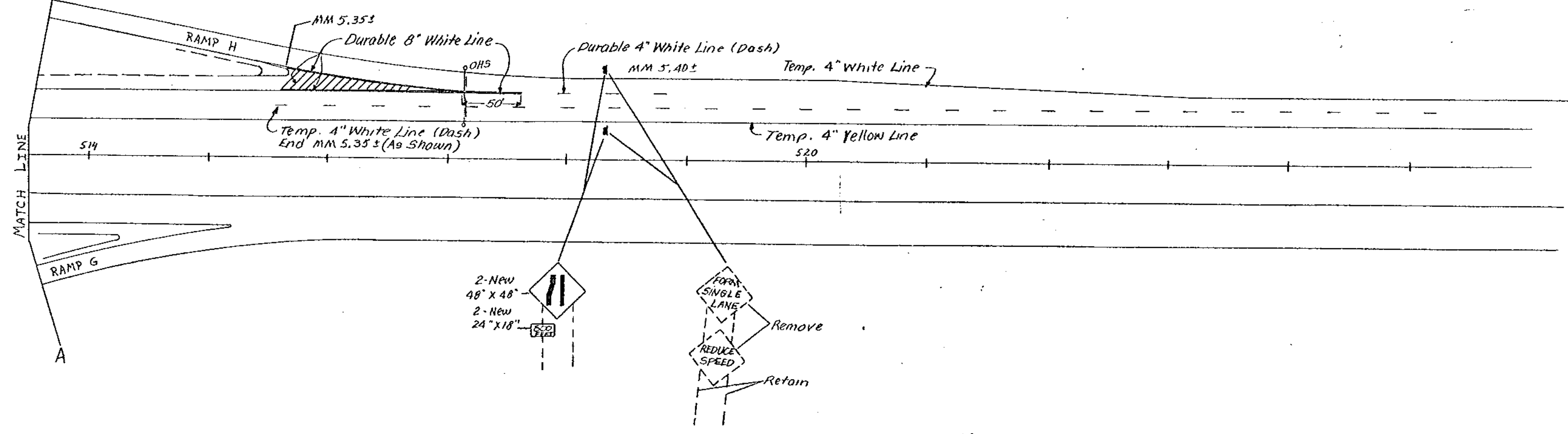
Durable 4" White Line
 SB Decel. Lane - Dashed

Durable 4" Yellow Line
 SB Taper Area - As Shown Above

Durable 8" Yellow Line
 SB Taper Area (Diag.) - As Shown Above

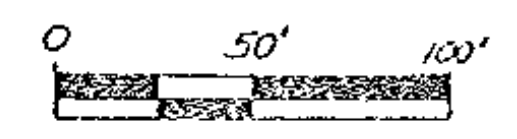
Durable 8" White Line
 SB & Ramp H Gore W/ Diag. - As Shown

Durable Letter in Word Markings
 Ramp H ~ 'YIELD'



US 7 SB.

SURVEYED BY	DATE
DRAWN BY Redmond	DATE 6-85
TRACED BY Redmond	DATE 6-85
BENNINGTON	
PROJ. F	NO. 019-1(22)S
SHEET 12B OF 50	



DATUM	_____
VERTICAL	_____
HORIZONTAL	_____

MM 1.25

1 INCH REPRESENTS 1 MILE

VT-9 BEGINNING AT THE URBAN COMPACT LINE AT MM 5.901 AND
EXTENDING EASTERLY 3.434 MILES TO MM 2.466 IN WOODFORD

SEGMENT #1

LENGTH OF PROJECT

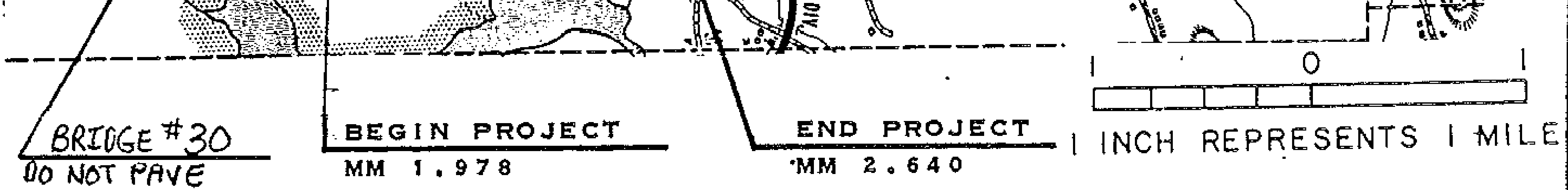
3.434 MILES

18132 FEET

PROJECT BENNINGTON-WOODFORD

NO. HMA 2618

SHEET 13 OF 50 SHEETS



VT-9, IN THE TOWN OF WILMINGTON BEGINNING AT MM 1.978 AND
EXTENDING EASTERLY 0.662 MILES TO MM 2.640

SEGMENT #2

LENGTH OF PROJECT .
0.662 MILES
3495 FEET

PROJECT <u>WILMINGTON</u>	NO. <u>HMA 2618</u> SHEET <u>14</u> OF <u>50</u> SHEETS
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ITEM 404.65 EMULSIFIED ASPHALT
AS DIRECTED BY THE ENGINEER

SEGMENT #1

BENNINGTON mm 5.901 ~ mm 6.50

WOODFORD mm 0.44 ~ mm 2.466

1982 ADT 2780

V = 50

PROJECT BENNINGTON-WOODFORD

NO. HMA 2618

SHEET 15 OF 50

SEGMENT #1

VT. 9

BENNINGTON MM 6.50 ~ WOODFORD MM 0.44

1982 ADT 2780

V = 50

PROJECT BENNINGTON-WOODFORD

NO. HMA 2618

SHEET 15^A OF 50 SHEETS



ITEM 404.65 EMULSIFIED ASPHALT
AS DIRECTED BY THE ENGINEER

SEGMENT # 2
1982 ADT 2640
V 50

PROJECT WILMINGTON

NO. 11MA 2618

SHEET 16 OF 50 SHEETS

PROJECT LENGTHS AND

ITEM DESCRIPTION

LENGTH
WIDTH
HEIGHT
OVERLAY DEPTH
TOPSOIL
GRAVEL

ITEM NUMBER

653.10
402.10
402.11
404.05

UNIT LOCATION	FEET	FT	INCH	CY	TON	CWT	TON
BENNINGTON V4.9	3163	22	1	118	207	10	42
MM 5.901 ~ M.6.56							15
BENNINGTON MM 6.50	4272	24	1	16		21	94
WOODFORD MM 0.44							22
WOODFORD V4.9	10697	22	1	198	346	32	145
MM 0.44 ~ MM 2.466							50
WILMINGTON V4.9	3495	22	1	194	340	10	431
MM 1.978 ~ 2.640							198
PROJECT EST.				5	53	1	42
ROUNDING				4	15	1	42
TOTALS				90	960	75	4420

PROJECT BENNINGTON - WOODFORD - WILMINGTON

TEMPORARY 4" REFLECTORIZED WHITE LINE

5.901	6.87	Solid	Solid	5,116	5,116	10,232
TOWN LINE						
0.00	2.466	Solid	Solid	13,020	13,020	26,040
						36,272

ITEM 646.66 DURABLE LETTERS IN WORD MARKINGS

0.90	RT	SCHOOL				6 ea
1.09	LT	SCHOOL				6 ea

Item 646.66 Total 12 ea

BENNINGTON - WOODFORD

No. HMA 2618

PROJECT

SHEET 19 OF 50 SHEETS

TEMPORARY 4" REFLECTORIZED WHITE LINE

1.275	2.640	Solid	Solid	3495	3495	6990.0
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No. HMA 2618

PROJECT: WILMINGTON

SHEET 20 OF 50 SHEETS

BEGIN PROJECT

SEARSBURG MM 0.000

END PROJECT

MM 8.300

2.811

VT-9 BEGINNING IN THE TOWN OF WOODFORD AT MM 8.300 AND EXTENDING
EASTERLY 4.086 MILES TO MM 2.811 IN THE TOWN OF SEARSBURG

LENGTH OF PROJECT

4.086 MILES

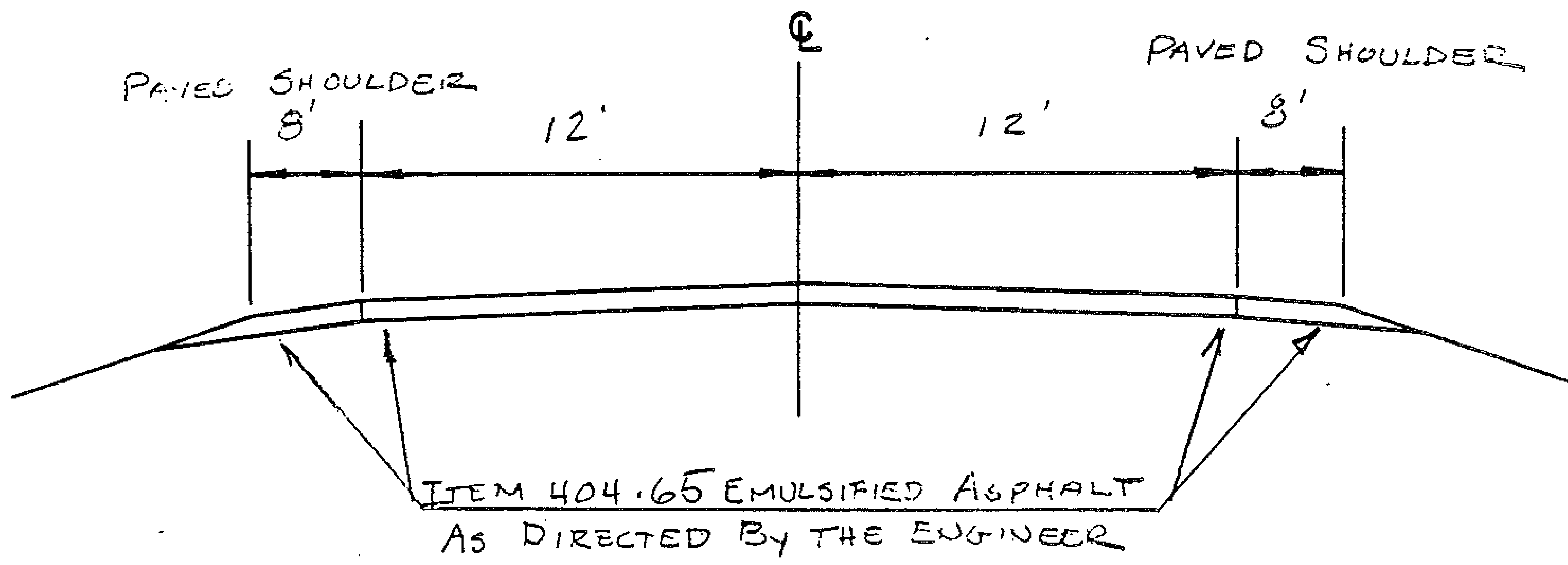
21574 FEET

PROJECT WOODFORD SEARSBURG

NO. F010-1(24)S

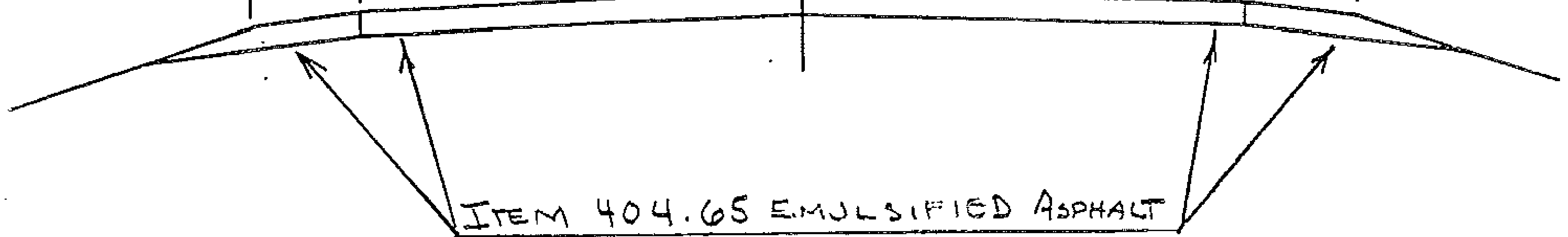
SHEET 21 OF 50 SHEETS

MM 8.600 ~ MM 1.010



PROJECT WOODFORD - SCARBOROUGH

NO. F010-1(24)S
SHEET 22 OF 50

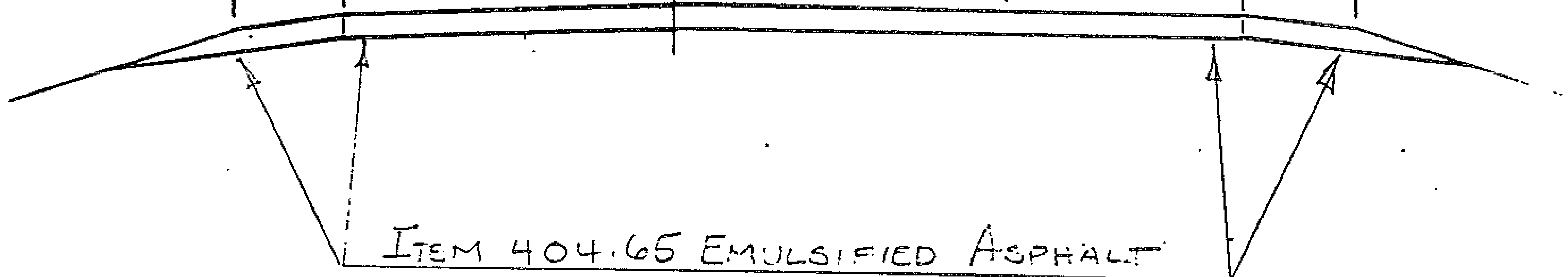


ITEM 404.65 EMULSIFIED ASPHALT
AS DIRECTED BY THE ENGINEER

ADT - 1840
V - 50

PROJECT WOODFORD - SCHENSBURG

NO. F010-1(24)S
SHEET 23 OF 50 SHEETS



ITEM 404.65 EMULSIFIED ASPHALT

AS DIRECTED BY THE ENGINEER

ADT - 1840

V - 50

PROJECT WOODFORD - SEARSBURG

NO. F010-1(24)S

SHEET 24 OF 50 SHEETS

PROJECT LENGTHS AND

ITEM DESCRIPTION

ITEM NUMBER

UNIT	FEET	FT	INCH	C.Y.	CY	TON	CWT	TON
LOCATION								
WOODFORD								
MM 8.300	21574	20'	1 1/2"		117	205	78	52
SENIOR CENTER		33'					36	228
MM 2.811								17
PROJECT ESTIMATE				82	23	110	5	10
ROUNDING				3	10	5	1	3
TOTAL				85	150	235	120	94

PROJECT WOODFORD - SENIOR CENTER

No. F010-1(24)S

PROJECT: WOODFORD - SEARSBURG

SHEET 26 OF 50 SHEETS

TEMPORARY 4" REFLECTORIZED WHITE LINE

8.300	9.58	SOLID	SOLID	6,758	6,758	13,516
TOWN LINE						
0.00	2.811			14,842	14,842	29,684
1.63	2.811	DASH	(CLIMB LANE)	1,559	-	1,559
						TOTAL = 44,759

SEG #1 : BEGINNING IN THE TOWN OF SHAFTSBURY ON VT. 67
AT MM 0.000 AND EXTENDING EASTERLY 1.831 MILES TO MM 0.271
IN No. BENNINGTON VILLAGE.

SEG #2 : BEGINNING IN THE TOWN OF BENNINGTON ON
VT. 67-A AT M.M 0.897 AND EXTENDING NORTHERLY 1.046 MILES TO
mm 1.943.

LENGTH OF PROJECT.

SEG #1	1.831 miles 9668 FEET
SEG #2	1.046 miles 5523 FEET
TOTAL	2.877 miles 15191 FEET

PROJECT SHAFTSBURY - BENNINGTON

NO. HMA 2619

SHEET 27 OF 50 SHEETS

ITEM 404.65 EMULSIFIED ASPHALT
AS DIRECTED BY THE ENGINEER

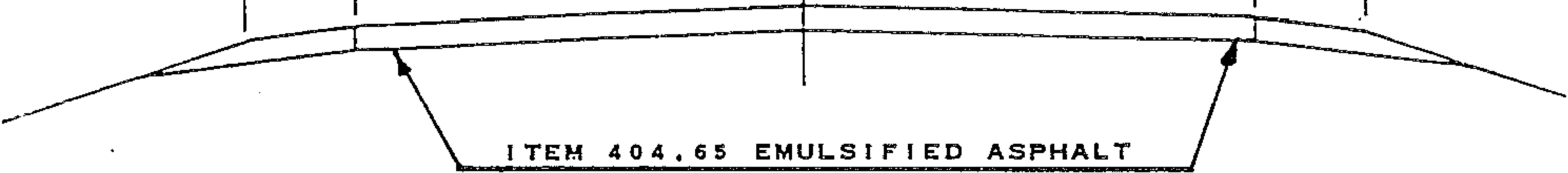
VT. 67 SHAFTSBURY mm 0.000 ~ BENNINGTON mm 0.271

1982 ADT 2520
V 50

PROJECT SHAFTSBURY - BENNINGTON

NO. HMA 2619

SHEET 28 OF 50 SHEETS



ITEM 404.65 EMULSIFIED ASPHALT
AS DIRECTED BY THE ENGINEER

VT.67-A BENNINGTON min 0.897 ~ min 1.943

1982 ADT 5760
V 50

PROJECT

BENNINGTON

NO. HMA 2619

SHEET 29 OF 50 SHEETS

PROJECT LENGTHS AND

ITEM DESCRIPTION

ITEM NUMBER

UNIT LOCATION	FEET	FT	INCH	CY	TON	CWT	T
SHAFTSBURY MM 0.000	9668	22	1	716	1253	29	13
BENNINGTON MM 0.271							4
BENNINGTON V#67A							
MM 0.897 ~ MM 1.943	5523	22	1 1/2	409	716	17	11
							2
<u>PROJECT EST.</u>				100	65	7	20
<u>ROUNDING</u>				50	16	2	4
<u>TOTALS</u>				1275	2050	55	34

PROJECT SHAFTSBURY - BENNINGTON

No. HMMA 2619

PROJECT: SHAFTSBURY - BENNINGTON

SHEET 31 OF 50 SHEETS

TEMPORARY 4" REFLECTORIZED WHITE LINE

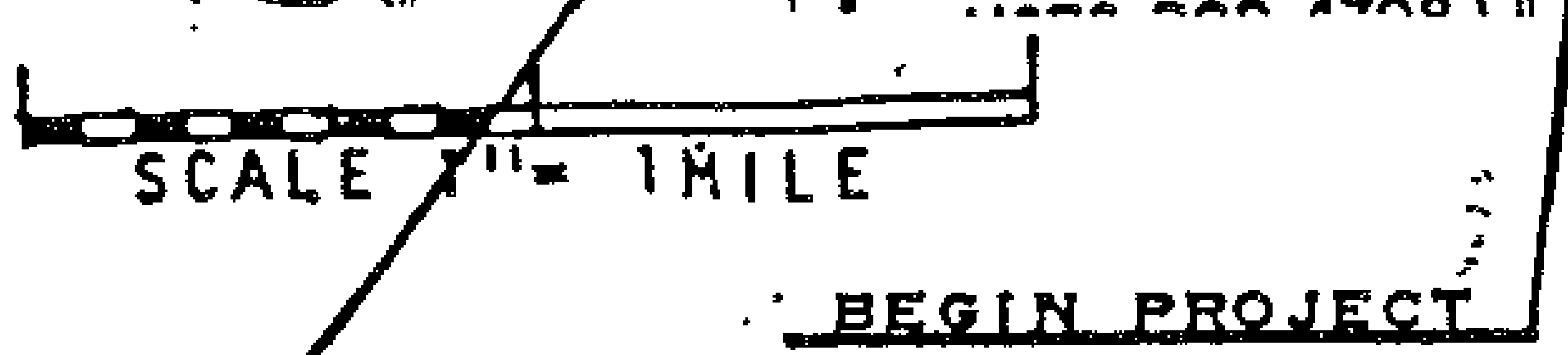
0.00	1.56	SOLID	SOLID	8237.	8237.	16,474.
TOWAY LINE						
0.00	0.271	SOLID	SOLID	1431.	1431.	2,862.
						TOTAL 19,336.

TEMPORARY 4" REFLECTORIZED WHITE LINE

0.897 | 1.943 | SOLID | SOLID | 5523 | 5523 11,046'

No. HAM 2619
SHEET 32 OF 50 SHEETS

PROJECT BENNINGTON



BR.#2E+W
DO NOT PAVE

BR.#3E+W
DO NOT PAVE

BR.#1E+W
DO NOT PAVE

67A CONNECTOR- IN THE TOWN OF BENNINGTON BEGINNING AT MM 0.000
AND EXTENDING EASTERLY 0.934 MILES TO MM 0.934
THE JUNCTION OF 67A CONN AND US 7.

LENGTH OF PROJECT
0.934 MILES
4931 FEET

PROJECT BENNINGTON VT 67A CONN

NO. HMA 2620
SHEET 33 OF 50 SHEETS

BENNINGTON VT 67-A Conn. EB & WB

MM 0.000 - MM 0.250

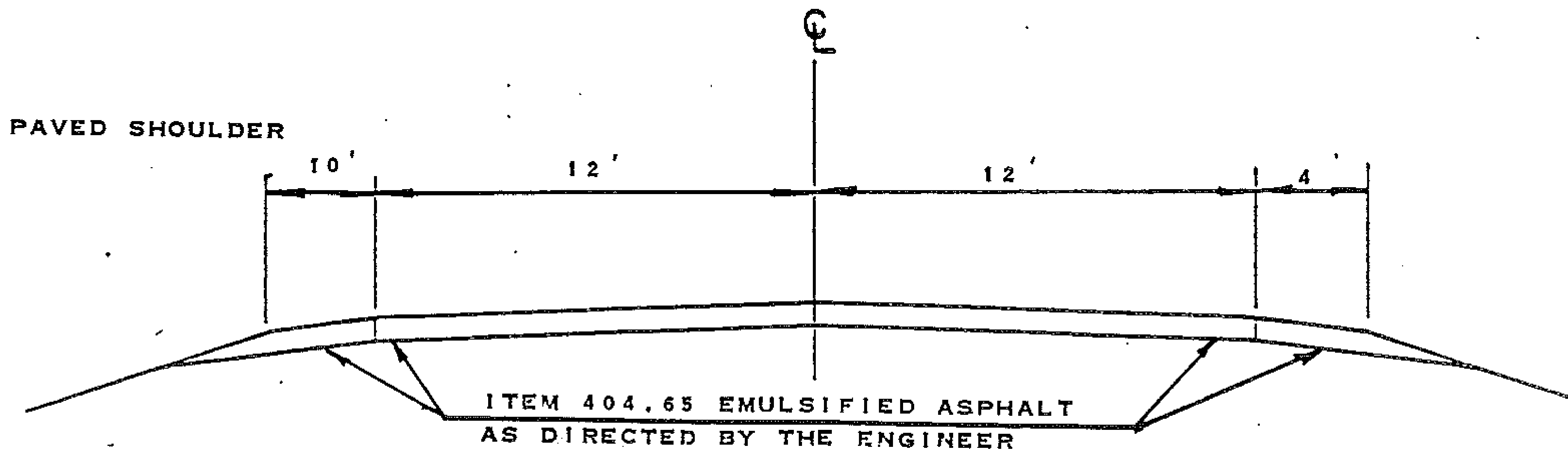
MM 0.779 - MM 0.934

PROJECT BENNINGTON - VT 67A Conn

NO. HMA 2620

SHEET 34 OF 50

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE III OR IV (218 TONS/MILE)
AS DIRECTED BY THE ENGINEER
3/4" WEARING COURSE TYPE IV (±1/4")



BENNINGTON MM 0.250-MM 0.779
EAST BOUND

1982 ADT 1970
V 50

PROJECT BENNINGTON - VT 67A CONN.

NO. HMA 2620

SHEET 35 OF 50 SHEETS

PROJECT LENGTHS AND

ITEM DESCRIPTION

ITEM NUMBER

UNIT	FEET	FT	INCH	C.Y.	CY	TON	CWT	TON
LOCATION								
PROJECT	4931	16'-24'	3/4"	37			23	9
								5
								3
PROJECT ESTIMATE					100	175	2	5
ROUNDING				3				
TOTAL				40	100	175	25	186

PROJECT BENNINGTON Vt 67-A (cont.)

SEE LAYOUT SHEET # 88A+B

TOTAL 8.50

100

TEMPORARY 4" REFLECTORIZED WHITE LINE

0.00	0.934	WB RT-Solid	WB 4932	4932.
0.00	0.934	EB LT-Solid	EB 4932	4932.
0.59	0.78	EB DASH = 251	EB 660	251.
0.31	0.78	WB DASH = 620	WB 488	620.

871

ASSUME 65% OF DASH IS LOST DURING SHIPPING - $65\% \times 871 = 566$

TOTAL = 11,301 LBS

+ 150

11,451

No. HMA 2620

PROJECT: BENNINGTON Vt. 67A CONN.

SHEET 38 OF 150 SHEETS

Temp. 4" White Line
 EB & WB - Edgeline Rt. As Shown
 EB & WB - Centerline Dashed As Shown
 Ramps 'A' & 'B' - Edgeline Rt. As Shown

Temp. 4" Yellow Line
 EB & WB - Edgeline Lt. As Shown
 Ramps 'A' & 'B' - Edgeline Lt. As Shown

Durable 24" Stop Bar
 Ramp 'B' & Vt 67A - As Shown

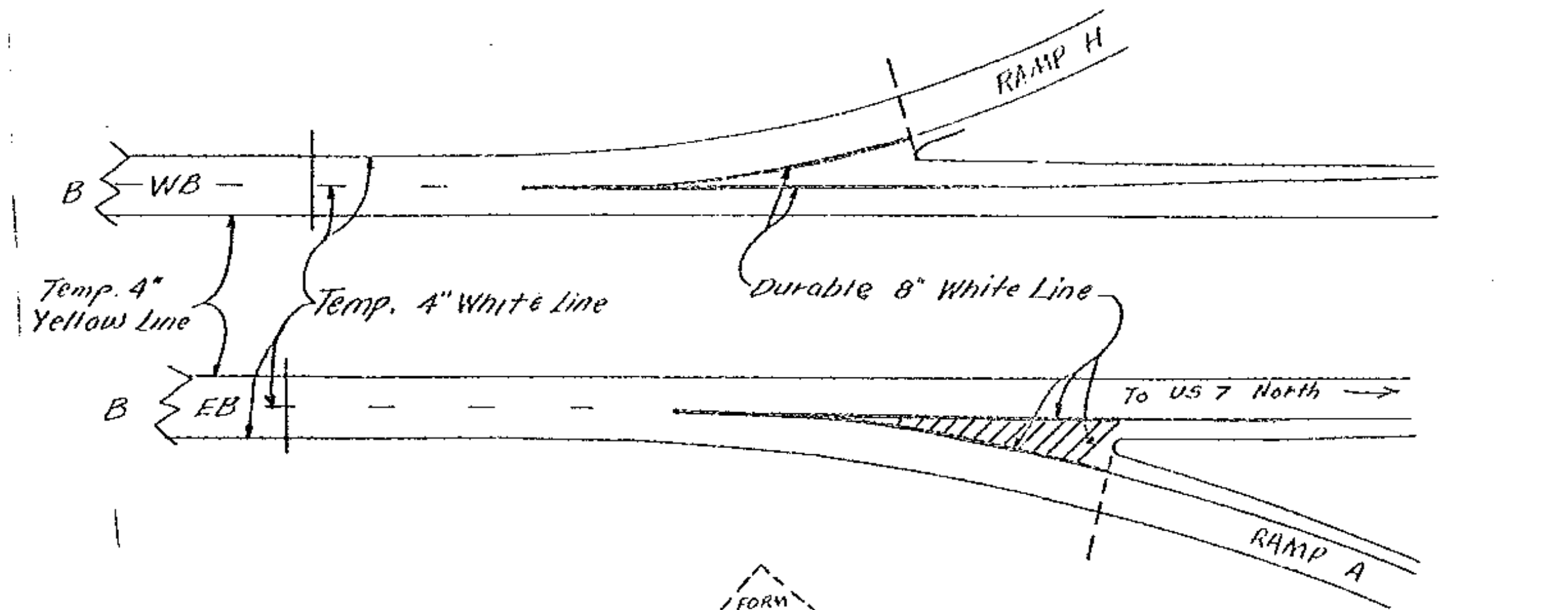
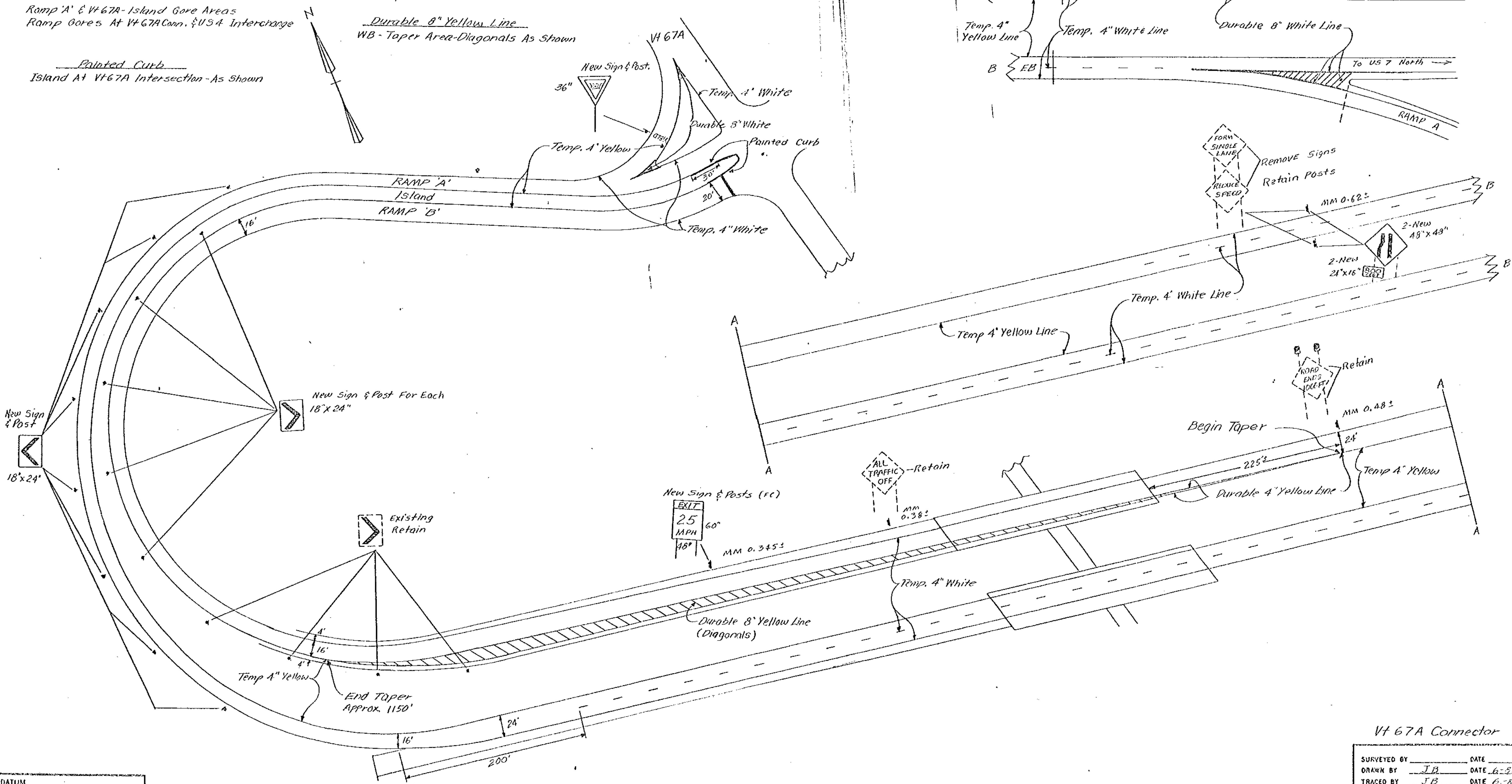
Durable Letter In Word Markings
 Vt 67A To Ramp 'A' - 'YIELD' As Shown

Durable 4" Yellow Line
 WB - Taper Area - As Shown

Durable 8" Yellow Line
 WB - Taper Area - Diagonals As Shown

Durable 8" White Line
 Ramp 'A' & Vt 67A - Island Gore Areas
 Ramp Gores At Vt 67A Conn. & USA Interchange

Painted Curb
 Island At Vt 67A Intersection - As Shown



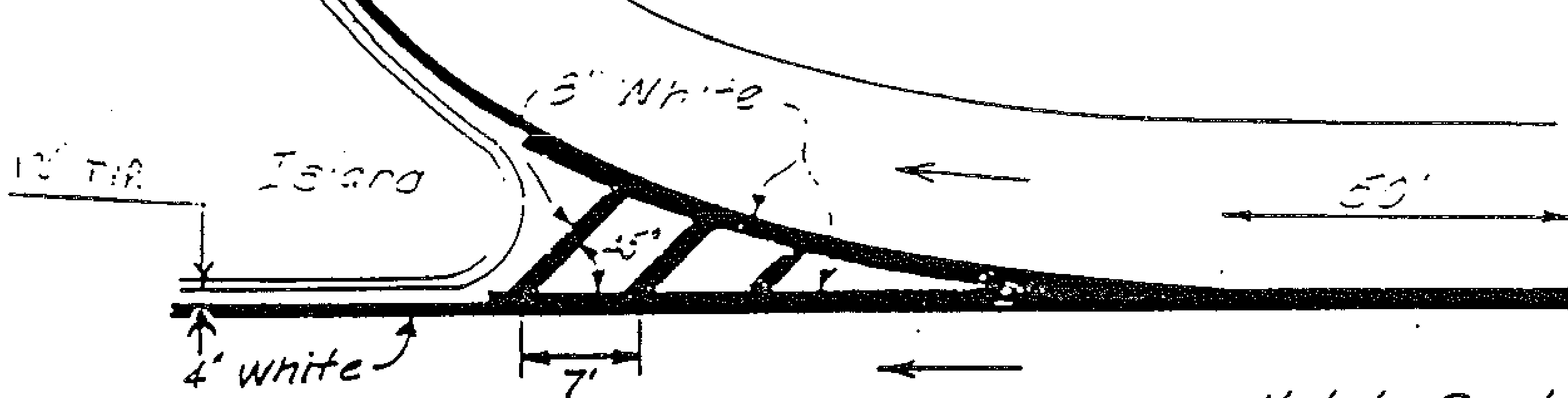
DATUM	_____
VERTICAL	_____
HORIZONTAL	_____



Vt 67A Connector

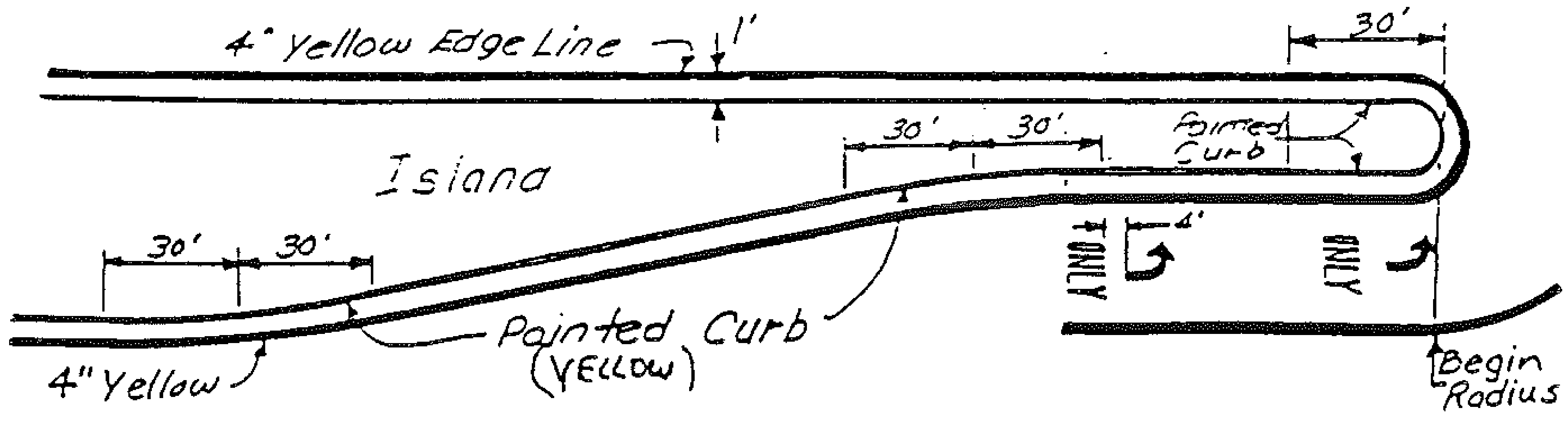
SURVEYED BY _____ DATE _____
 DRAWN BY JB DATE 6-85
 TRACED BY JB DATE 6-85

BENNINGTON
 PROJ. HMA NO. 2620
 SHEET 33A OF 50



Not to Scale

Turn Lane and Painted Curb Detail



Not to Scale

PROJECT: BENNINGTON V4.67A CONN.

No. HMA 21.20
SHEET 39 OF 50 SHEETS

← WHITE LINE

PAVEMENT MARKING DETAILS

NOTE :

THE STOP BAR SHALL BE PLACED
A MINIMUM OF 40' FROM THE
NEAREST TRAFFIC SIGNAL.

PROJECT BENNINGTON V.H. 67A CONN.

NO. HMA 2620

SHEET 40 OF 50 SHEETS