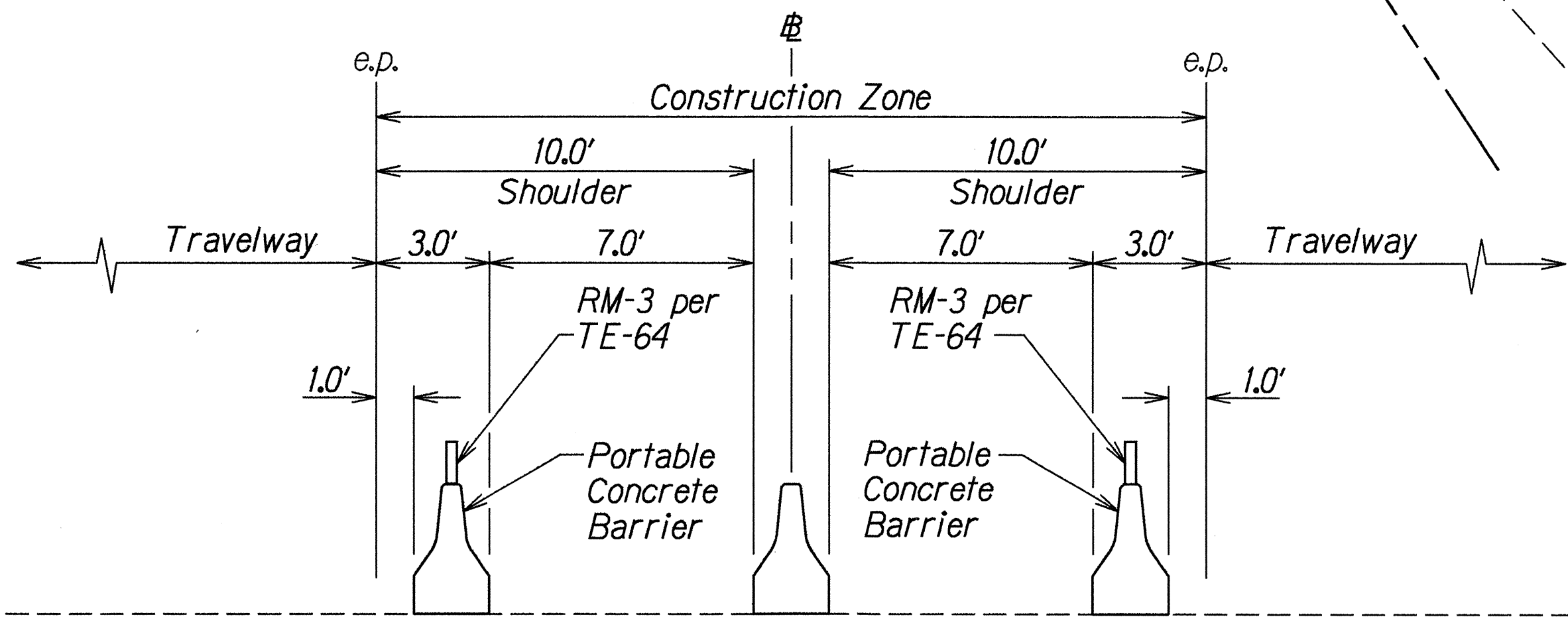
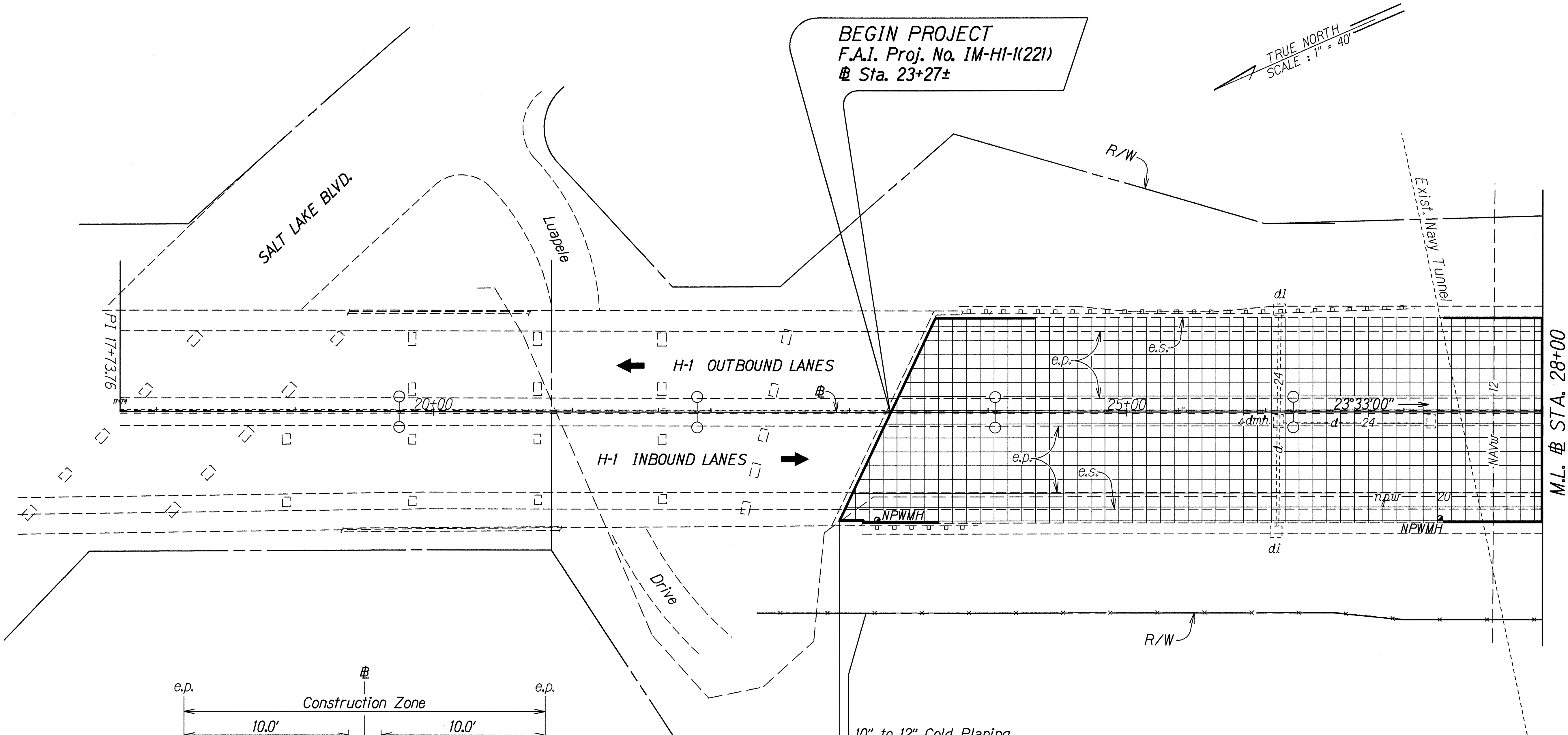


FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(221)	1996	10	36



TYPICAL SECTION - MEDIAN BARRIER UPGRADE CONSTRUCTION AREA
Not to Scale

BEGIN PROJECT
F.A.I. Proj. No. IM-HI-1(221)
Sta. 23+27±

TRUE NORTH
SCALE : 1" = 40'

10" to 12" Cold Planing
Reconstruction: 4" A.C. Pav't. Mix No. IV and
3" 6" Glassphalt Concrete Base Course
7" Recycled Asphalt

21+87±
Sta. 23+27± to Sta. 36+78±
Remove existing glare screen on median and
construct New Type "A" Median Barrier Upgrade.
See Plan Sht. No. 8 for details.

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

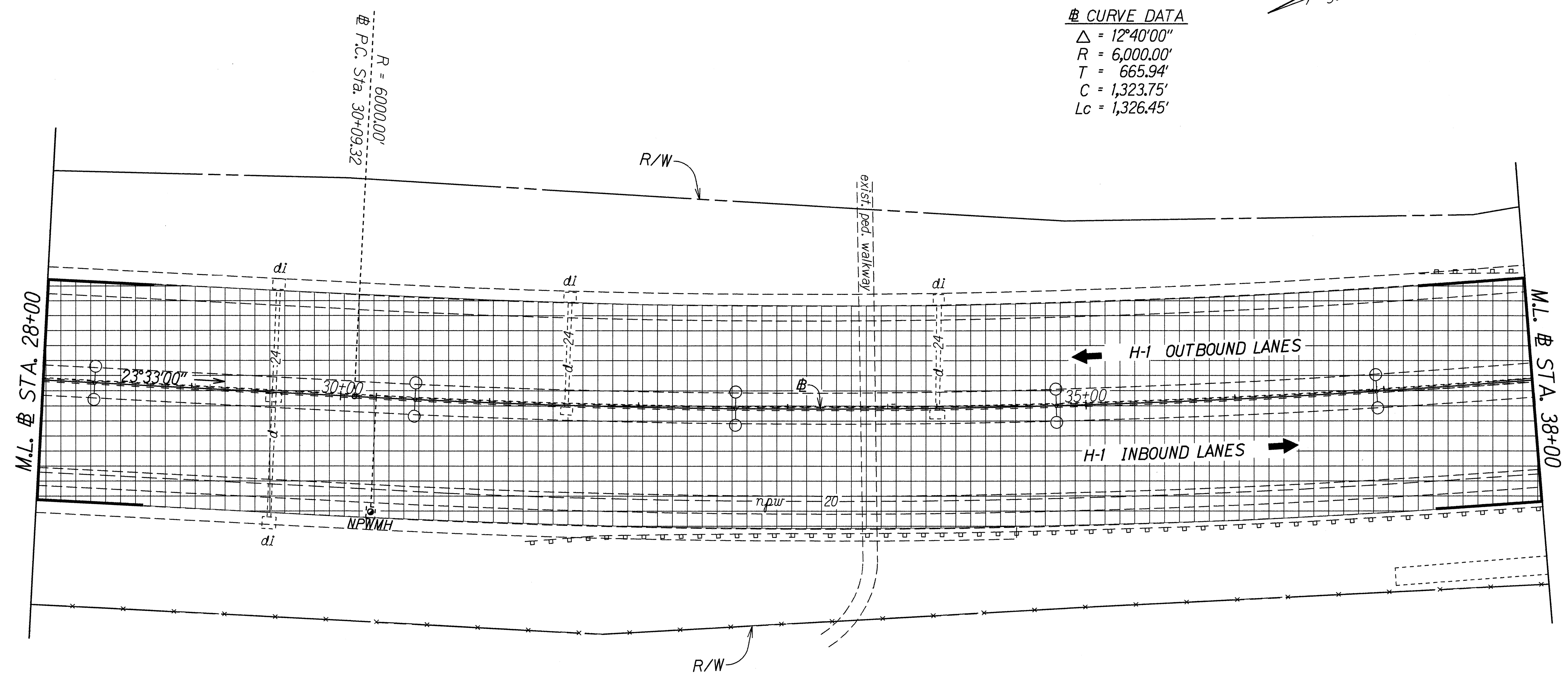
6/17/96	Revised Construction Note.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLAN INTERSTATE ROUTE H-1 RESURFACING Salt Lake Blvd. to Valkenburgh St. F.A.I. Proj. No. IM-HI-1(221) Scale: 1" = 40' Date: May, 1996	
SHEET No. 1 OF 9 SHEETS	

ORIGINAL PLAN	DATE
NOTE BOOK	6/17/96
DESIGNED BY	L. Pasqua
CHECKED BY	N. M. Pasqua

FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(221)	1996	11	36

TRUE NORTH
SCALE: 1" = 40'

§ CURVE DATA
 $\Delta = 12^\circ 40' 00''$
 $R = 6,000.00'$
 $T = 665.94'$
 $C = 1,323.75'$
 $Lc = 1,326.45'$



ORIGINAL PLAN	SURVEY PLOTTED BY DATE
NOTE BOOK	DESIGNED BY
QUANTITIES BY	CHECKED BY
DATE	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

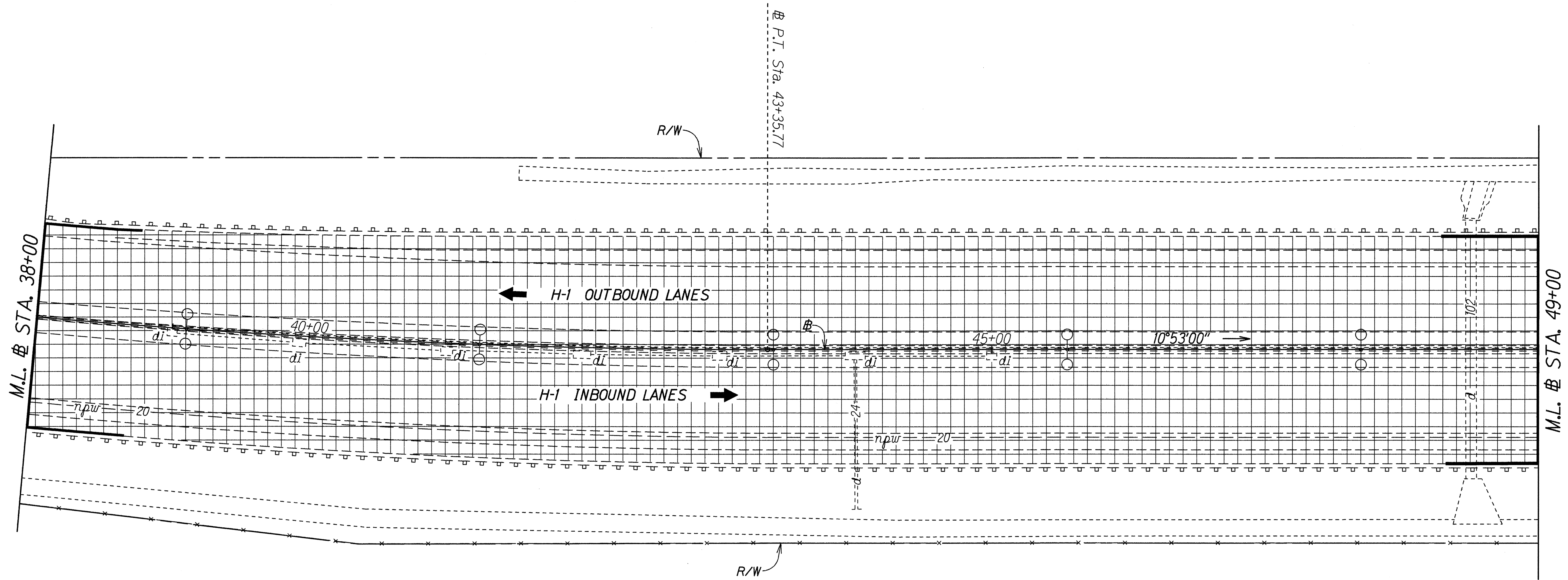
INTERSTATE ROUTE H-1 RESURFACING
Salt Lake Blvd. to Valkenburgh St.
F.A.I. Proj. No. IM-HI-1(221)

Scale: 1" = 40' Date: May, 1996

SHEET No. 2 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(221)	1996	12	36

TRUE NORTH
SCALE : 1" = 40'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
QUANTITIES BY	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

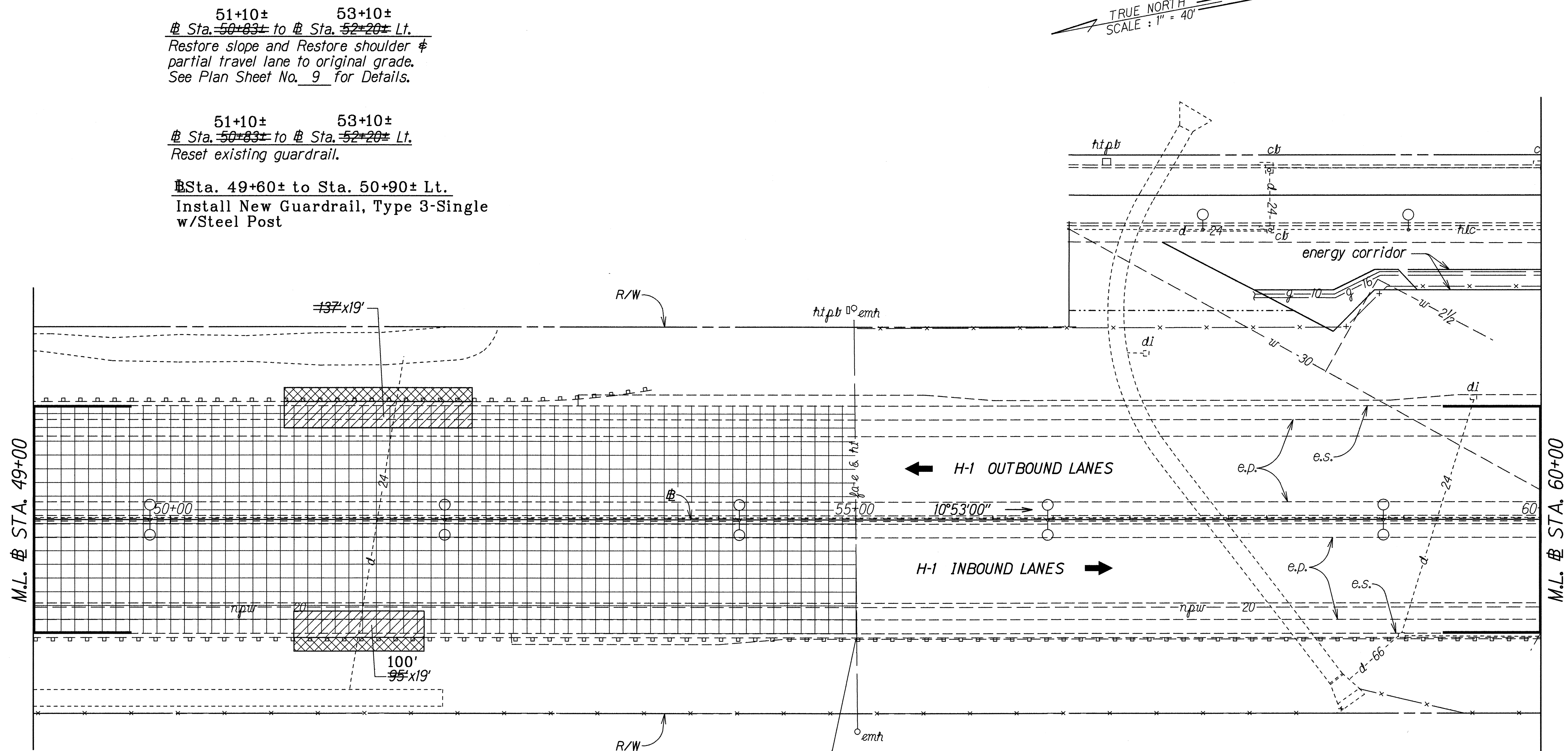
PLAN

INTERSTATE ROUTE H-1 RESURFACING
Salt Lake Blvd. to Valkenburgh St.
F.A.I. Proj. No. IM-HI-1(221)

Scale: 1" = 40' Date: May, 1996

SHEET No. 3 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(221)	1996	13	36



51+10± 53+10±
Sta. 50+83± to Sta. 52+20± Lt.
Restore slope and Restore shoulder &
partial travel lane to original grade.
See Plan Sheet No. 9 for Details.

51+10± 53+10±
Sta. 50+83± to Sta. 52+20± Lt.
Reset existing guardrail.

Sta. 49+60± to Sta. 50+90± Lt.
Install New Guardrail, Type 3-Single
w/Steel Post

51+50± 52+50±
Sta. 50+90± to Sta. 51+85± Rt.
Restore slope and Restore shoulder &
partial travel lane to original grade.
See Plan Sheet No. 9 for Details.

51+50± 51+69±
Sta. 50+90± to Sta. 51+69± Rt.
Install New Guardrail, Type 3 - Single
with Steel Post.

51+69± 52+50±
Sta. 51+69± to Sta. 51+84± Rt.
Reset existing guardrail.

10" to 12" Cold Planing
Reconstruction:
3" A.C. Pav't. Mix No. IV and
6" Glassphalt Concrete Base Course
7" Recycled Asphalt
2" A.C. Pav't. Mix No. IV Resurfacing

Sta. 51+19± to Sta. 65+40±
Remove existing glare screen on median and
Construct New Type "A" Median Barrier Upgrade.
See Plan Sht. No. 8 for details.

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

6/17/96 Revised Construction Notes and
Added Cross Hatched Areas for Slope
Restoration.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN
INTERSTATE ROUTE H-1 RESURFACING
Salt Lake Blvd. to Valkenburgh St.
F.A.I. Proj. No. IM-HI-1(221)

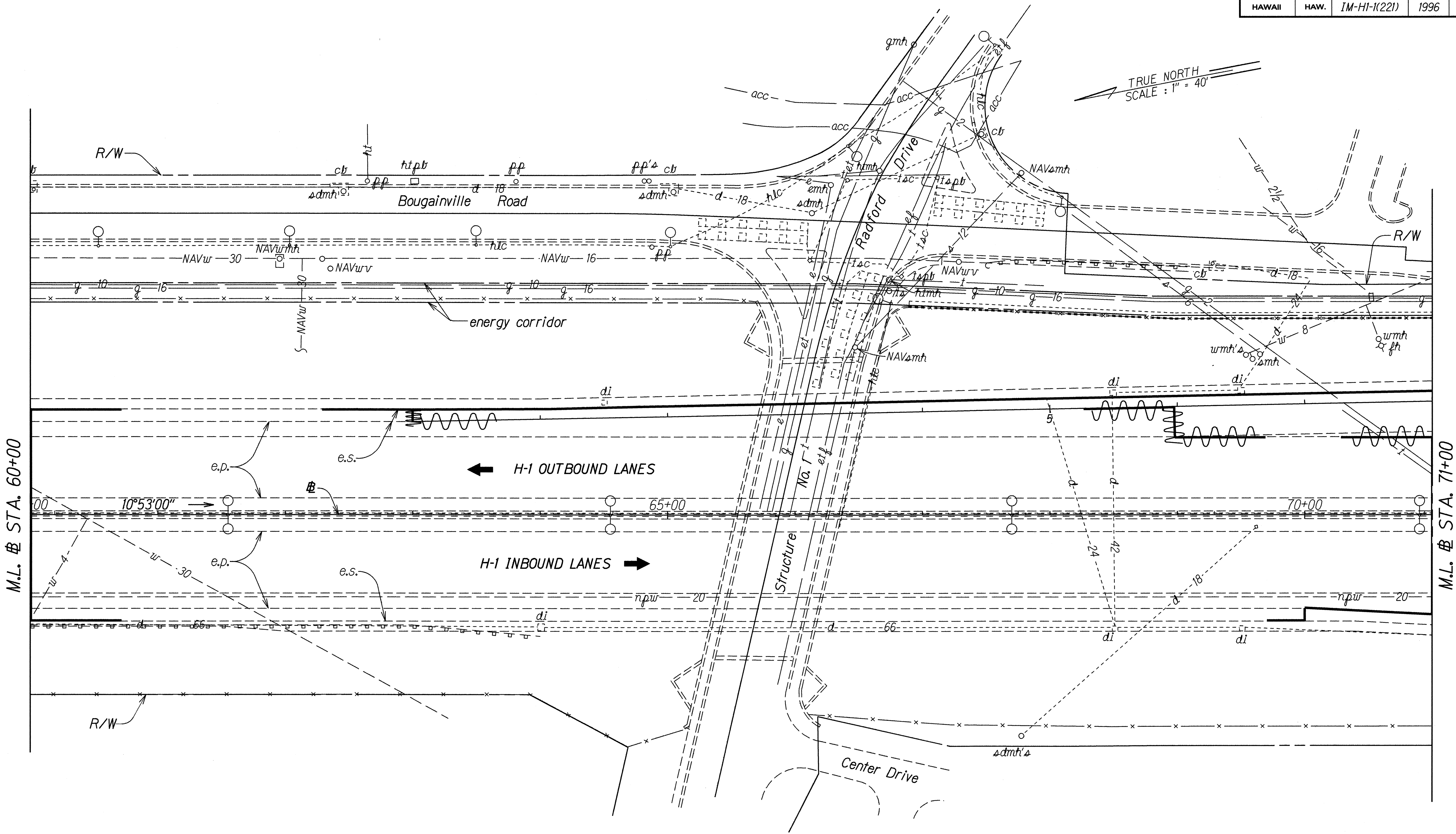
Scale: 1" = 40' Date: May, 1996

SHEET No. 4 OF 9 SHEETS

ADD. 13

ORIGINAL PLAN	DATE
DESIGNED BY	12/27/96
NOTED BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(221)	1996	14	36



ORIGINAL PLAN	DATE
DESIGNED BY	5/15/96
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

Sta. 66+50± to # Sta. 97+60±
Remove existing glare screen on median and construct New Type "A" Median Barrier Upgrade. See Plan Sht. No. 8 for details.

6/17/96	Revised Construction Note.
DATE	REVISION

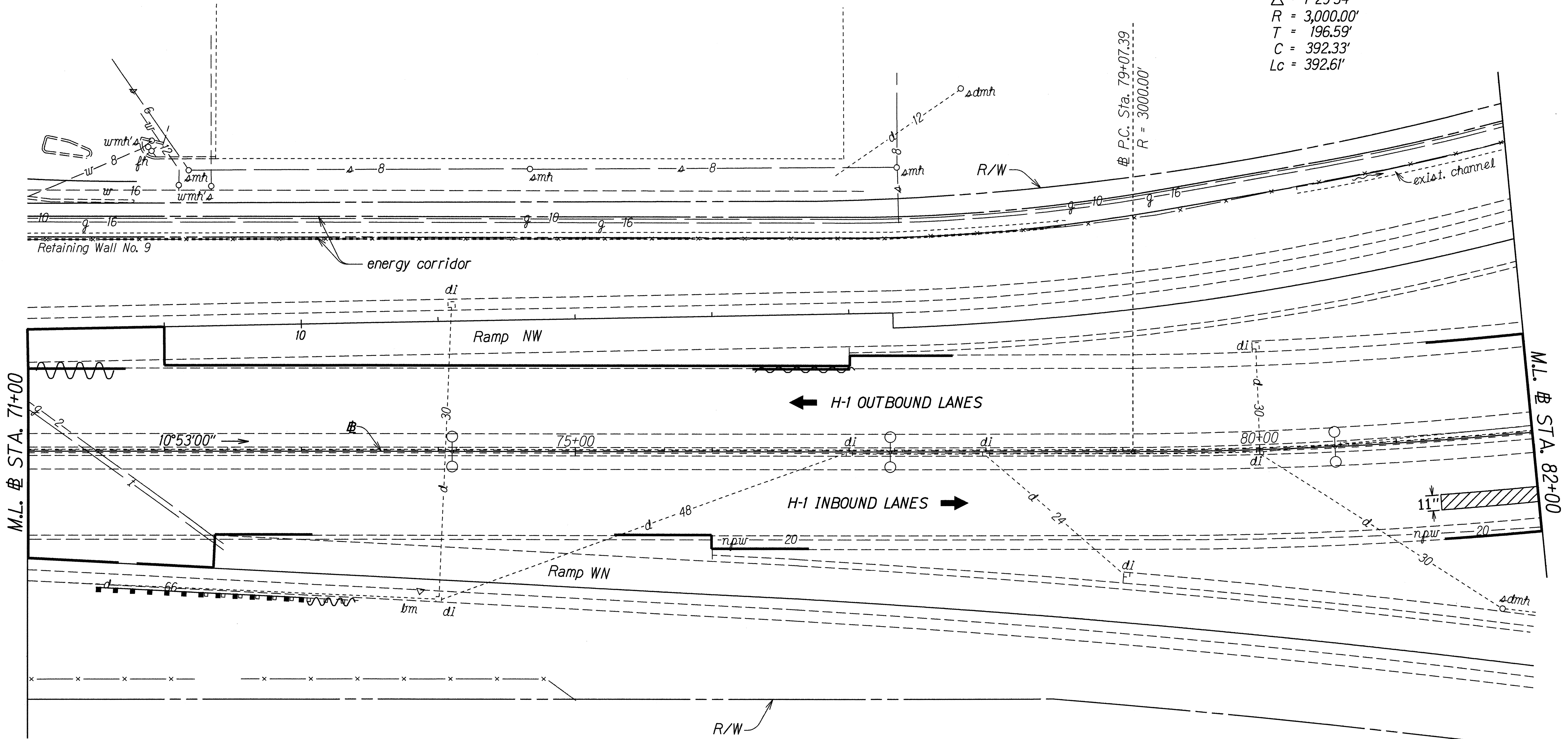
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
PLAN
INTERSTATE ROUTE H-1 RESURFACING
Salt Lake Blvd. to Valkenburgh St.
F.A.I. Proj. No. IM-HI-1(221)
Scale: 1" = 40' Date: May, 1996
SHEET No. 5 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(221)	1996	15	36

TRUE NORTH
SCALE: 1" = 40'

§ CURVE DATA

$\Delta = 7^{\circ}29'54''$
 $R = 3,000.00'$
 $T = 196.59'$
 $C = 392.33'$
 $Lc = 392.61'$



§ Sta. 71+50± to § Sta. 73+00± Rt.
 Install New Guardrail, Type 3-Single
 w/Single Post

§ Sta. 81+30± to § Sta. 82+55± Rt.
 Bleeding Area Repair-Cold Plane 3"
 And Pave 3" A.C. Pav't. Mix No. IV

LEGEND FOR AS-BUILT POSTINGS

~~~~~ Squiggly line for  
as-built deletion  
 +00.00 Double line for  
as-built deletion  
 Roadway Text for as-built  
posting

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**PLAN**

**INTERSTATE ROUTE H-1 RESURFACING**  
 Salt Lake Blvd. to Valkenburgh St.  
 F.A.I. Proj. No. IM-HI-1(221)

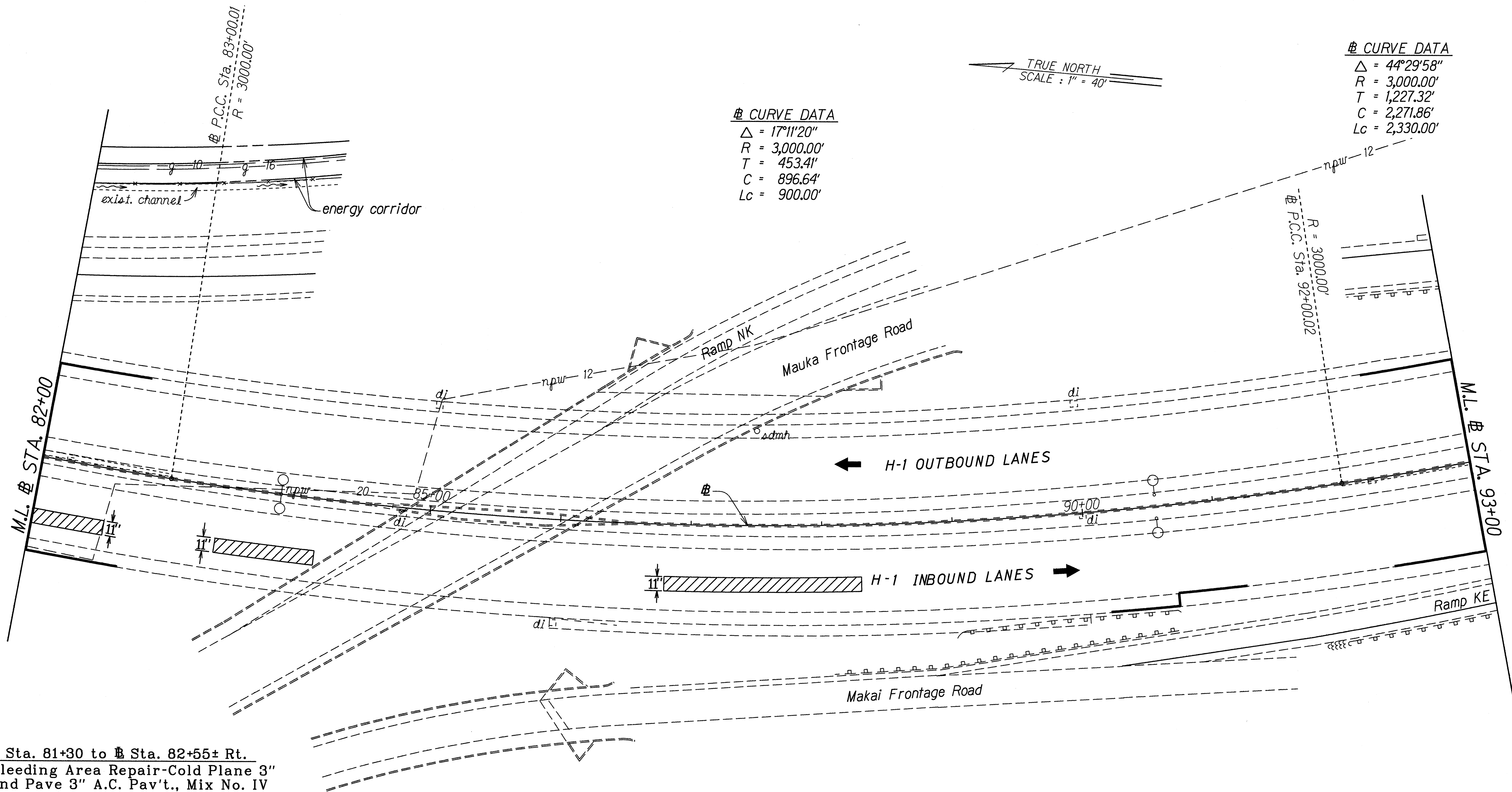
Scale: 1" = 40' Date: May, 1996

SHEET No. 6 OF 9 SHEETS

|               |                       |         |
|---------------|-----------------------|---------|
| ORIGINAL PLAN | SURVEY PLOTTED BY     | DATE    |
| NOTE BOOK     | DRAWN BY L. MURPHY    | 2/29/96 |
| QUANTITIES BY | DESIGNED BY L. PASOJA |         |
| CHECKED BY    |                       |         |



| FED. ROAD DIST. NO. | STATE | F.A.I. PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | IM-HI-1(221)     | 1996        | 16        | 36           |



# CURVE DATA  
 $\Delta = 17^{\circ}11'20''$   
 $R = 3,000.00'$   
 $T = 453.41'$   
 $C = 896.64'$   
 $Lc = 900.00'$

# CURVE DATA  
 $\Delta = 44^{\circ}29'58''$   
 $R = 3,000.00'$   
 $T = 1,227.32'$   
 $C = 2,271.86'$   
 $Lc = 2,330.00'$

# Sta. 81+30 to # Sta. 82+55± Rt.  
 Bleeding Area Repair-Cold Plane 3"  
 and Pave 3" A.C. Pav't., Mix No. IV

# Sta. 83+40 to # Sta. 84+15± Rt.  
 Bleeding Area Repair-Cold Plane 3"  
 and Pave 3" A.C. Pav't., Mix No. IV

# Sta. 86+80 to # Sta. 88+30± Rt.  
 Bleeding Area Repair-Cold Plane 3"  
 and Pave 3" A.C. Pav't., Mix No. IV

### LEGEND FOR AS-BUILT POSTINGS

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

### PLAN

INTERSTATE ROUTE H-1 RESURFACING

Salt Lake Blvd. to Valkenburgh St.

F.A.I. Proj. No. IM-HI-1(221)

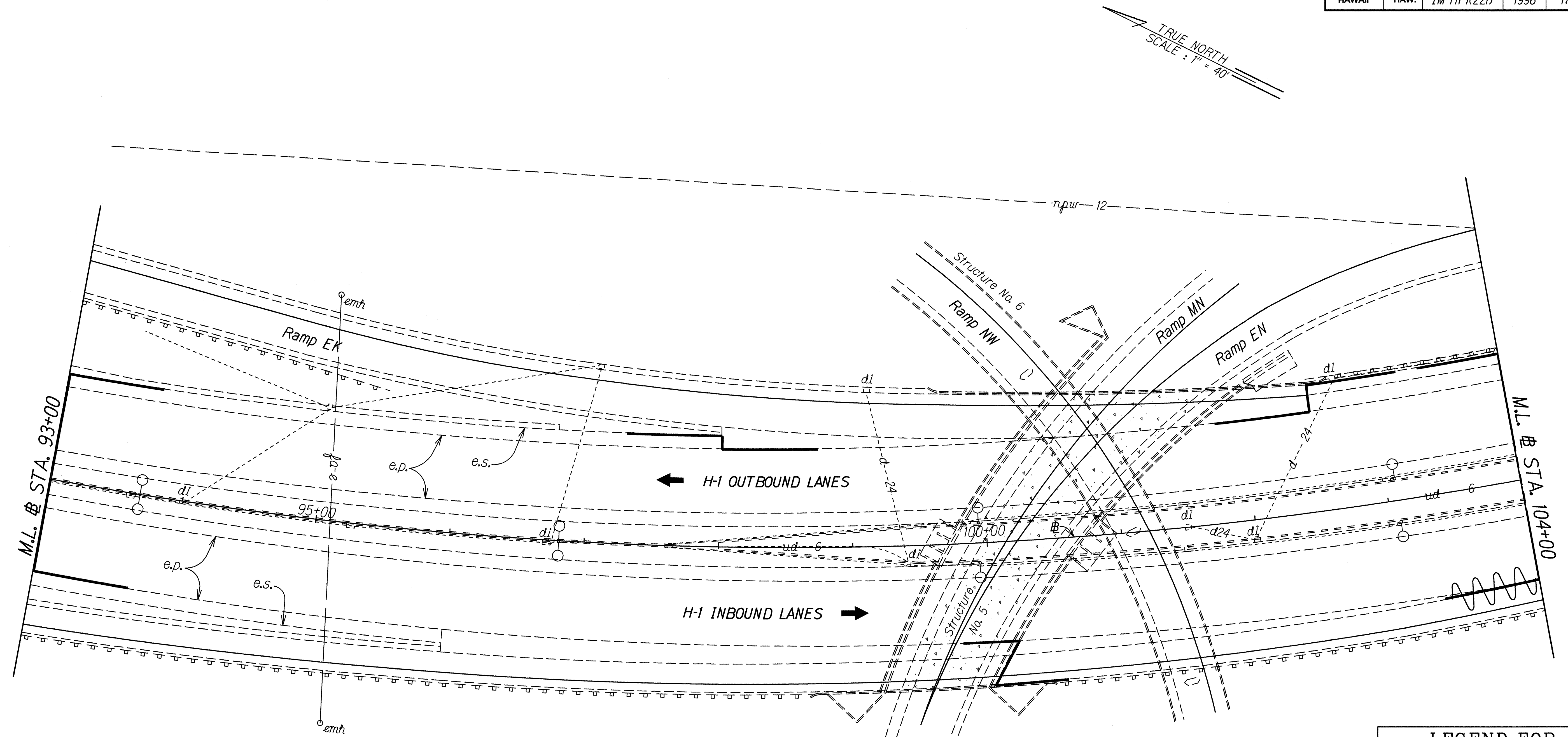
Scale: 1" = 40' Date: May, 1996

SHEET No. 7 OF 9 SHEETS

|               |                   |         |
|---------------|-------------------|---------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE    |
| NOTE BOOK     | DESIGNED BY       | 2/29/96 |
| CHECKED BY    | QUANTITIES BY     |         |
|               |                   |         |



| FED. ROAD DIST. NO. | STATE | F.A.I. PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | IM-HI-1(221)     | 1996        | 17        | 36           |



|               |                       |         |
|---------------|-----------------------|---------|
| ORIGINAL PLAN | SURVEY PLOTTED BY     | DATE    |
| NOTE BOOK     | DRAWN BY J. MURPHY    | 2/29/96 |
| QUANTITIES BY | DESIGNED BY J. PASQUA |         |
| CHECKED BY    |                       |         |

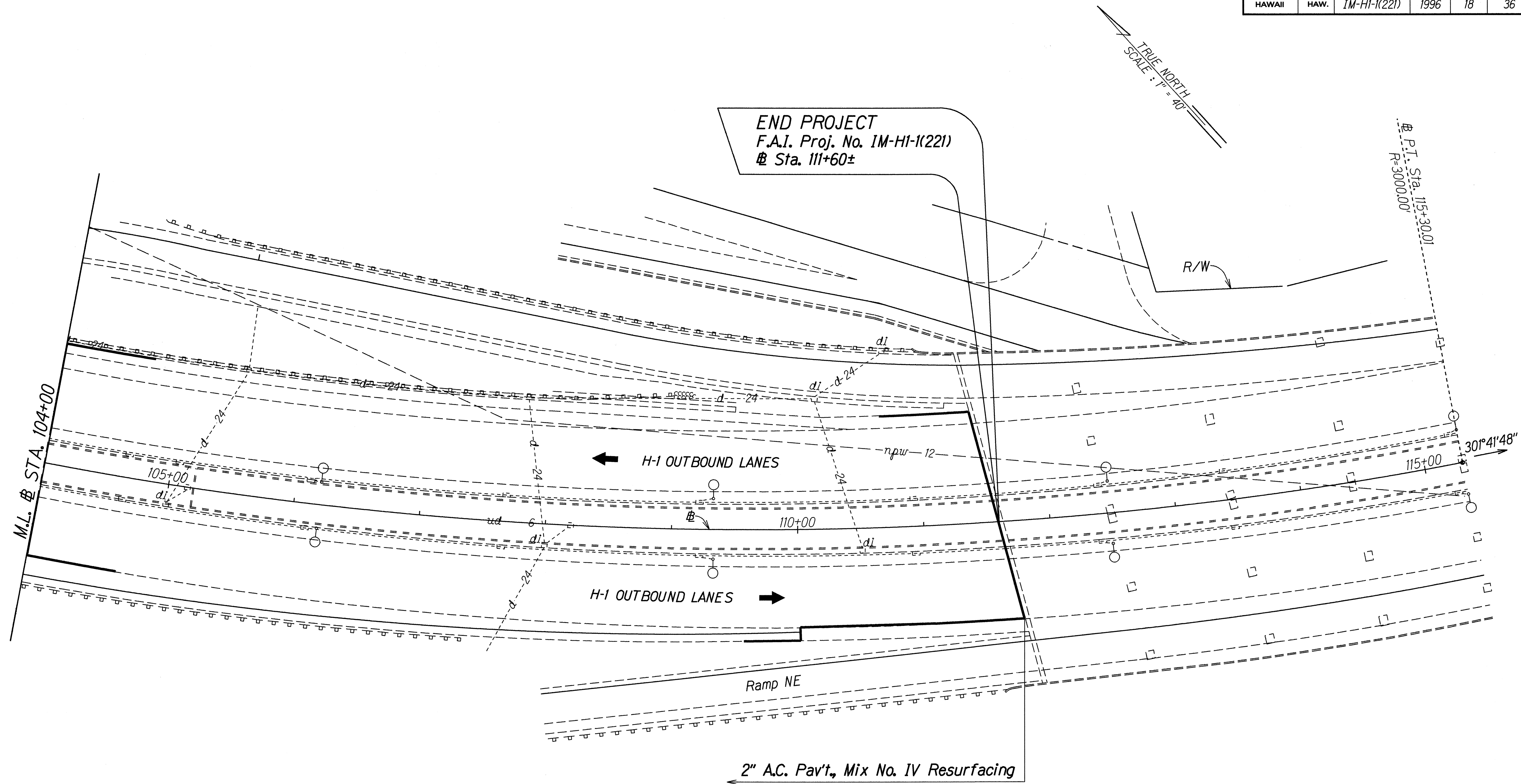
| LEGEND FOR AS-BUILT POSTINGS |                                     |
|------------------------------|-------------------------------------|
|                              | Squiggly line for as-built deletion |
|                              | Double line for as-built deletion   |
| Roadway                      | Text for as-built posting           |

| 6/17/96 | Added Existing Structure No. 5 for Clarification. |
|---------|---------------------------------------------------|
| DATE    | REVISION                                          |

|                                                                      |                 |
|----------------------------------------------------------------------|-----------------|
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |                 |
| <b>PLAN</b>                                                          |                 |
| INTERSTATE ROUTE H-1 RESURFACING                                     |                 |
| Salt Lake Blvd. to Valkenburgh St.                                   |                 |
| F.A.I. Proj. No. IM-HI-1(221)                                        |                 |
| Scale: 1" = 40'                                                      | Date: May, 1996 |
| SHEET No. 8 OF 9 SHEETS                                              |                 |



| FED. ROAD DIST. NO. | STATE | F.A.I. PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | IM-HI-1(221)     | 1996        | 18        | 36           |



|               |                   |         |
|---------------|-------------------|---------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE    |
| NOTE BOOK     | DRAWN BY          | 2/29/96 |
| QUANTITIES BY | DESIGNED BY       |         |
| CHECKED BY    | CHECKED BY        |         |

| LEGEND FOR AS-BUILT POSTINGS |                                     |
|------------------------------|-------------------------------------|
|                              | Squiggly line for as-built deletion |
|                              | Double line for as-built deletion   |
| Roadway                      | Text for as-built posting           |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

### PLAN

INTERSTATE ROUTE H-1 RESURFACING

Salt Lake Blvd. to Valkenburgh St.

F.A.I. Proj. No. IM-HI-1(221)

Scale: 1" = 40'

Date: May, 1996

SHEET No. 9 OF 9 SHEETS