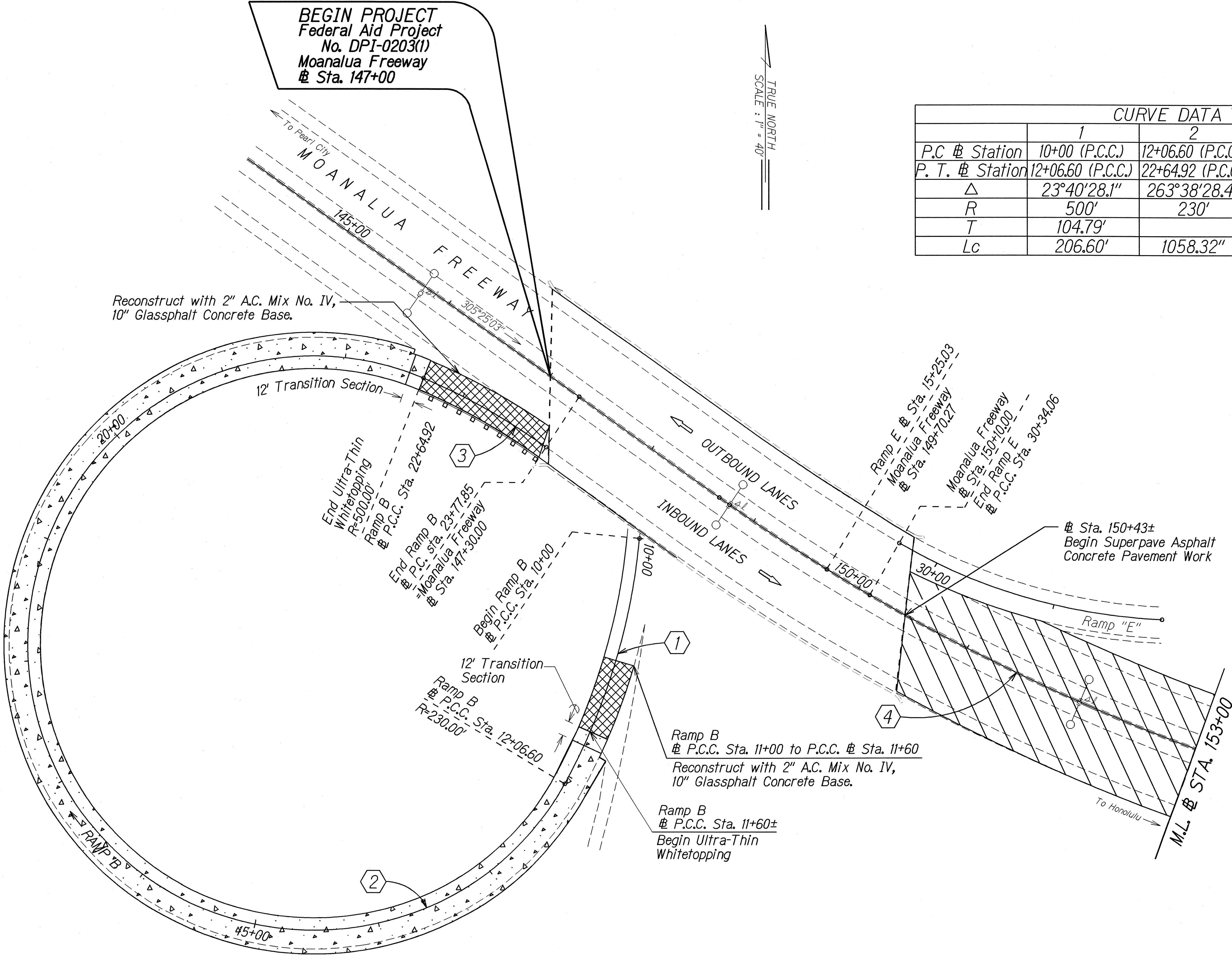


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	13	234



CURVE DATA TABLE				
	1	2	3	4
P.C. # Station	10+00 (P.C.C.)	12+06.60 (P.C.C.)	22+64.92 (P.C.C.)	148+66.66
P. T. # Station	12+06.60 (P.C.C.)	22+64.92 (P.C.C.)	23+77.85	158+90.03
Δ	23°40'28.1"	263°38'28.4"	12°56'26.1"	36°38'48.2"
R	500'	230'	500'	1600'
T	104.79'		56.71'	529.87'
Lc	206.60'	1058.32"	112.93'	1023.37'

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

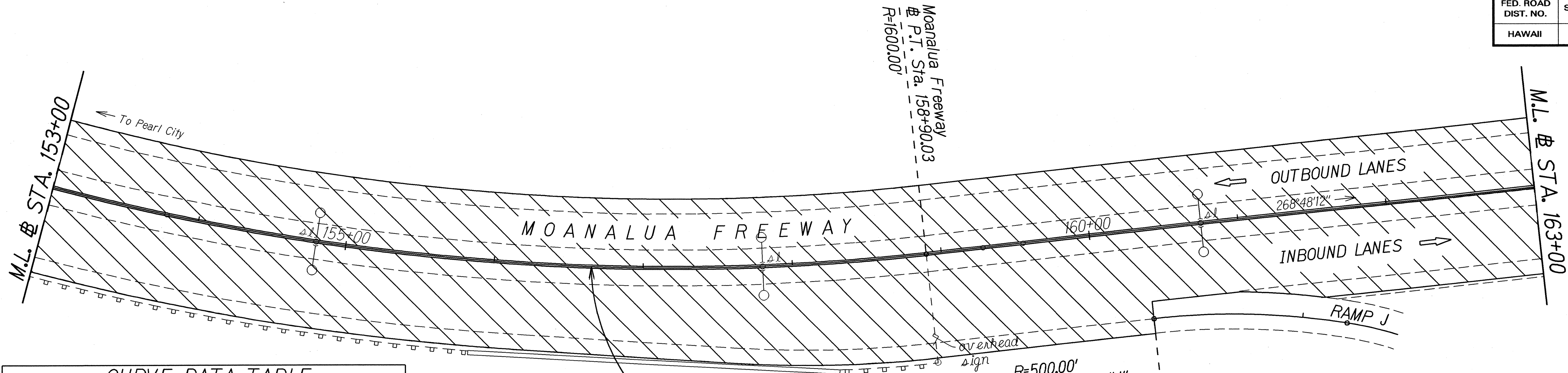
ROADWAY PLANS

MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)

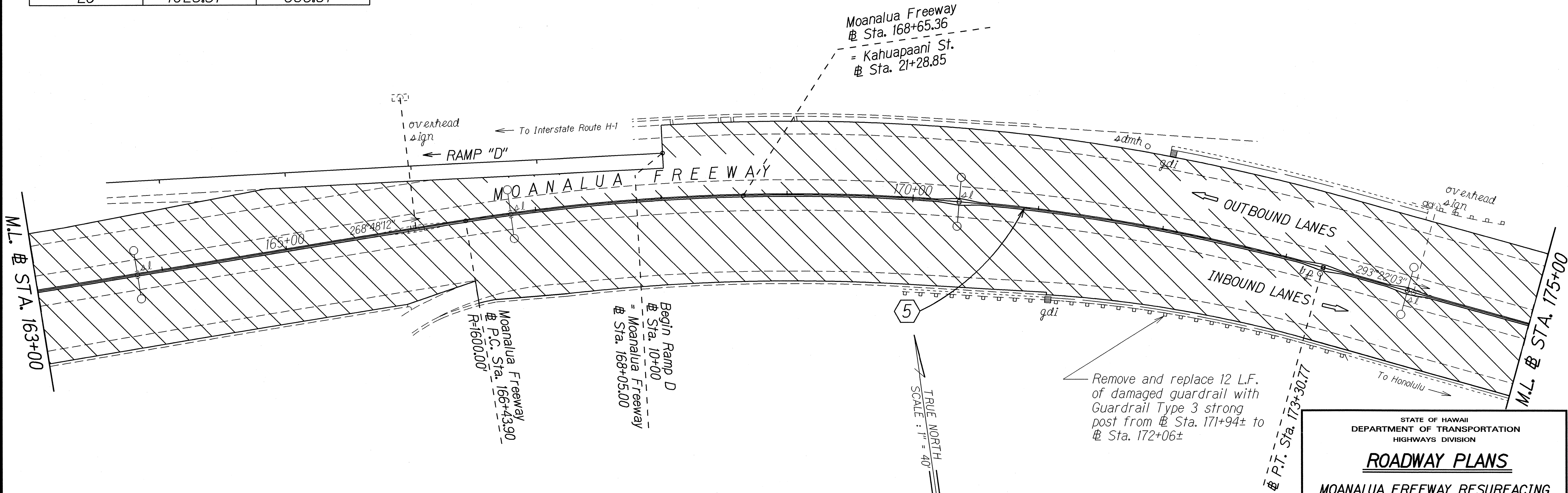
Scale: 1" = 40'Date: June, 2002

SHEET No. 1 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	14	234



CURVE DATA TABLE		
	4	5
P.C. # Station	148+66.66	166+43.90
P.T. # Station	158+90.03	173+30.77
Δ	36°38'48.2"	24°35'48.3"
R	1600'	1600'
T	529.87'	348.81'
Lc	1023.37'	686.87'



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

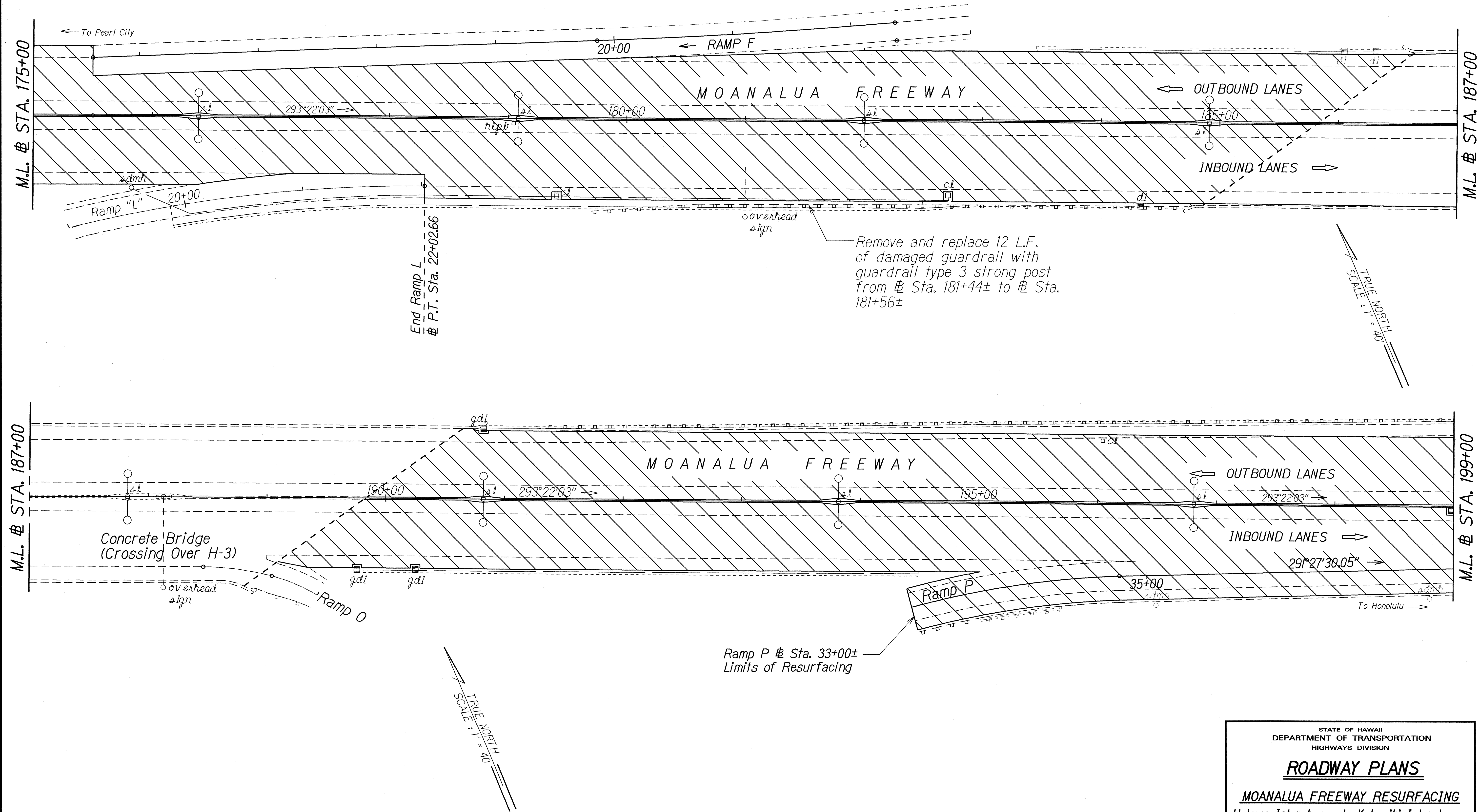
ROADWAY PLANS

MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)

Scale: 1" = 40' Date: June, 2002

SHEET No. 2 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	15	234



ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)

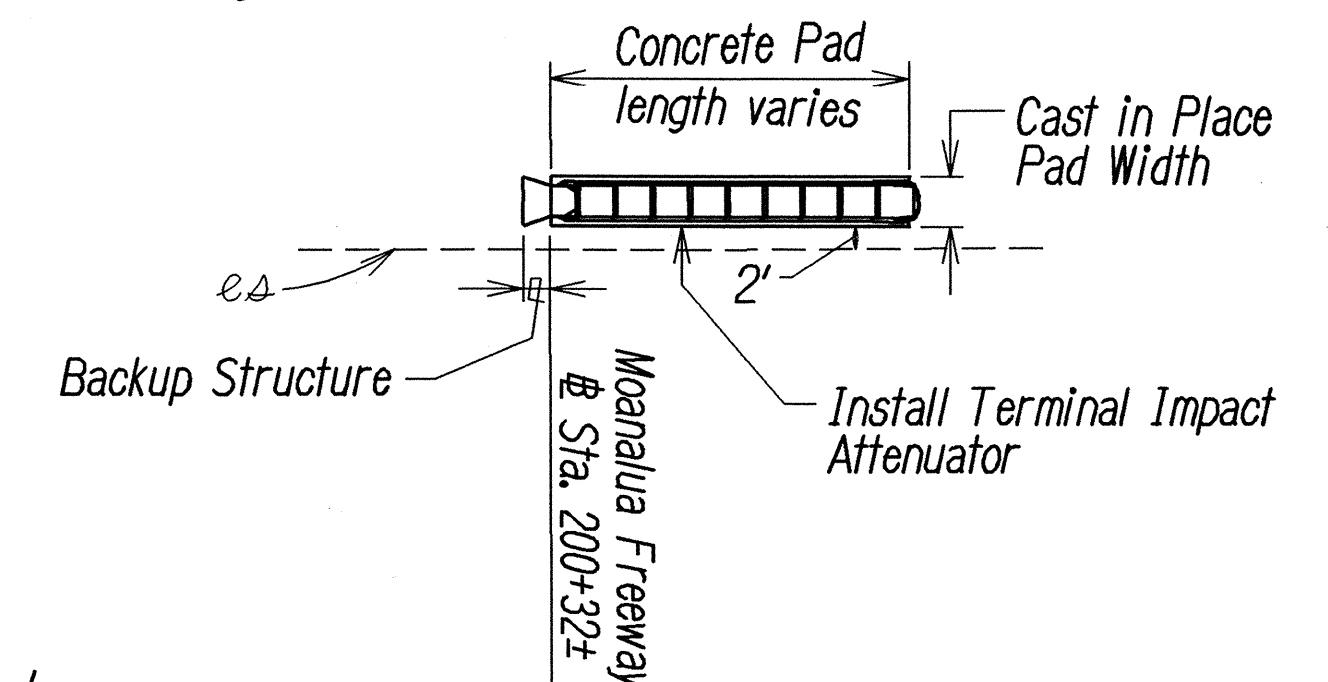
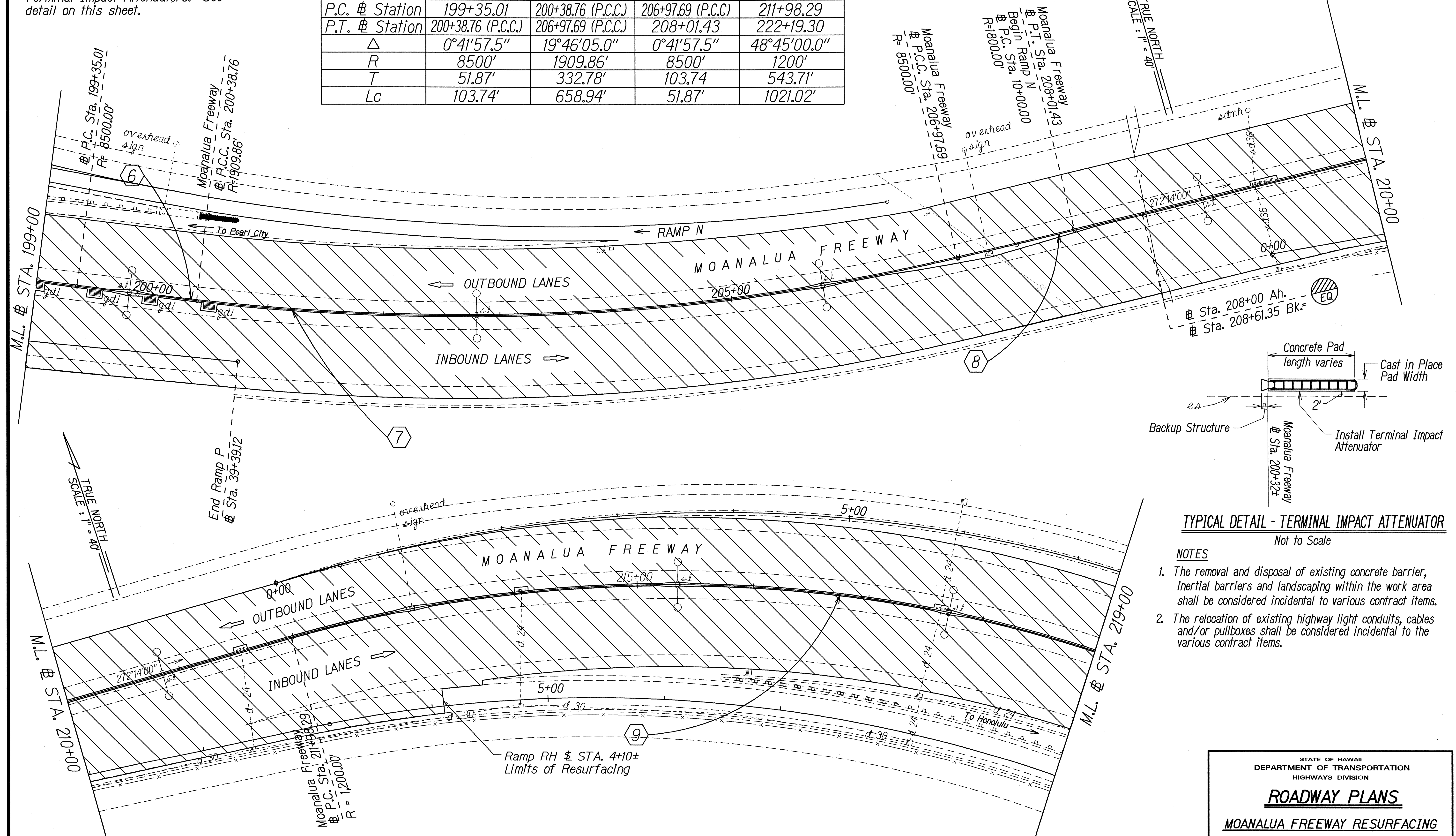
Scale: 1" = 40' Date: June, 2002

SHEET No. 3 OF 14 SHEETS

Moanalua Freeway @ Sta. 200+32±, Lt.
Remove inertial barriers and install
Terminal Impact Attenuators. See
detail on this sheet.

CURVE DATA TABLE				
	6	7	8	9
P.C. @ Station	199+35.01	200+38.76 (P.C.C.)	206+97.69 (P.C.C.)	211+98.29
P.T. @ Station	200+38.76 (P.C.C.)	206+97.69 (P.C.C.)	208+01.43	222+19.30
Δ	0°41'57.5"	19°46'05.0"	0°41'57.5"	48°45'00.0"
R	8500'	1909.86'	8500'	1200'
T	51.87'	332.78'	103.74'	543.71'
Lc	103.74'	658.94'	51.87'	1021.02'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	16	234



- NOTES**
1. The removal and disposal of existing concrete barrier, inertial barriers and landscaping within the work area shall be considered incidental to various contract items.
 2. The relocation of existing highway light conduits, cables and/or pullboxes shall be considered incidental to the various contract items.

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
TRACED BY	_____
NOTE BOOK	_____
QUANTITIES BY	_____
CHECKED BY	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

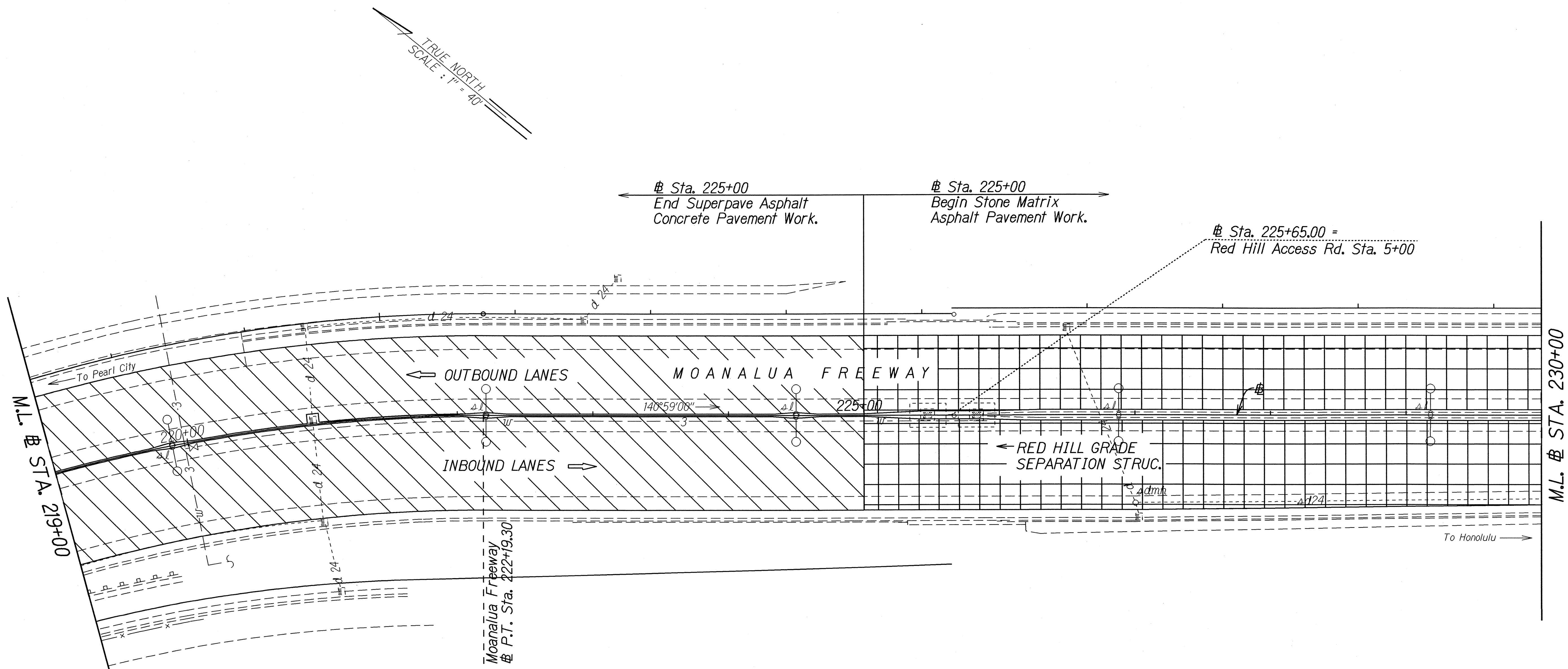
ROADWAY PLANS

MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)

Scale: 1" = 40' Date: June, 2002

SHEET No. 4 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	17	234



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

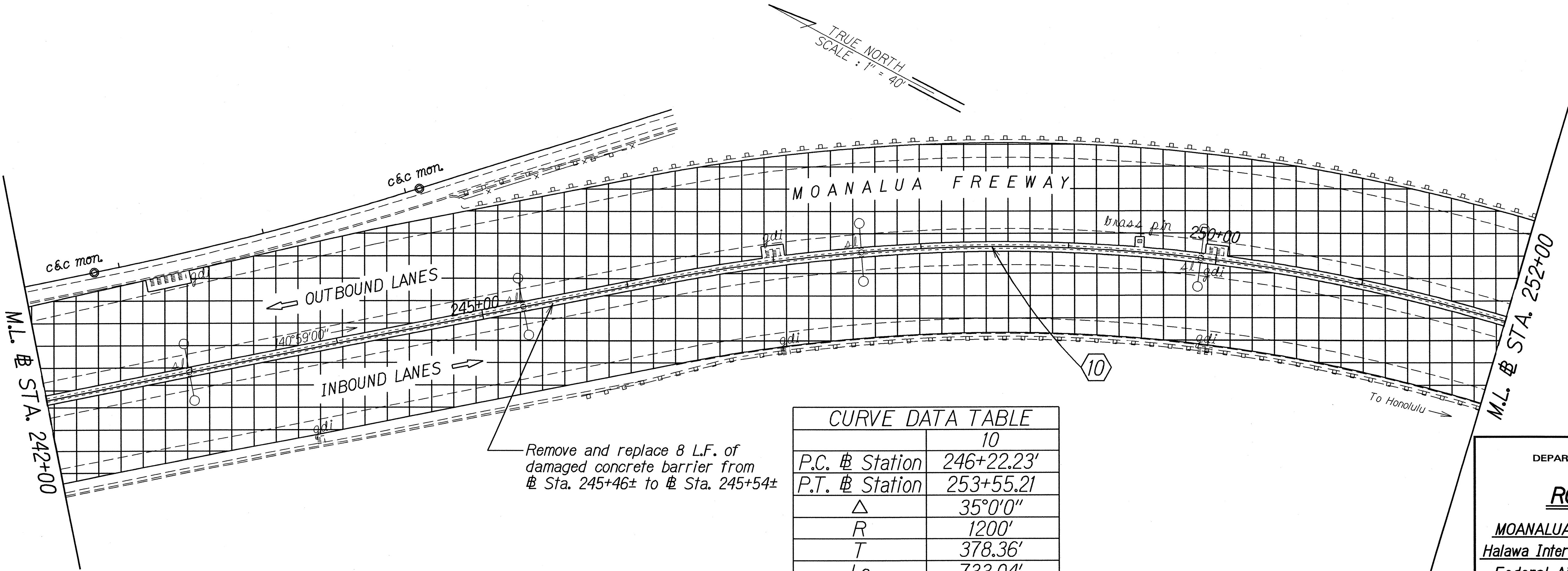
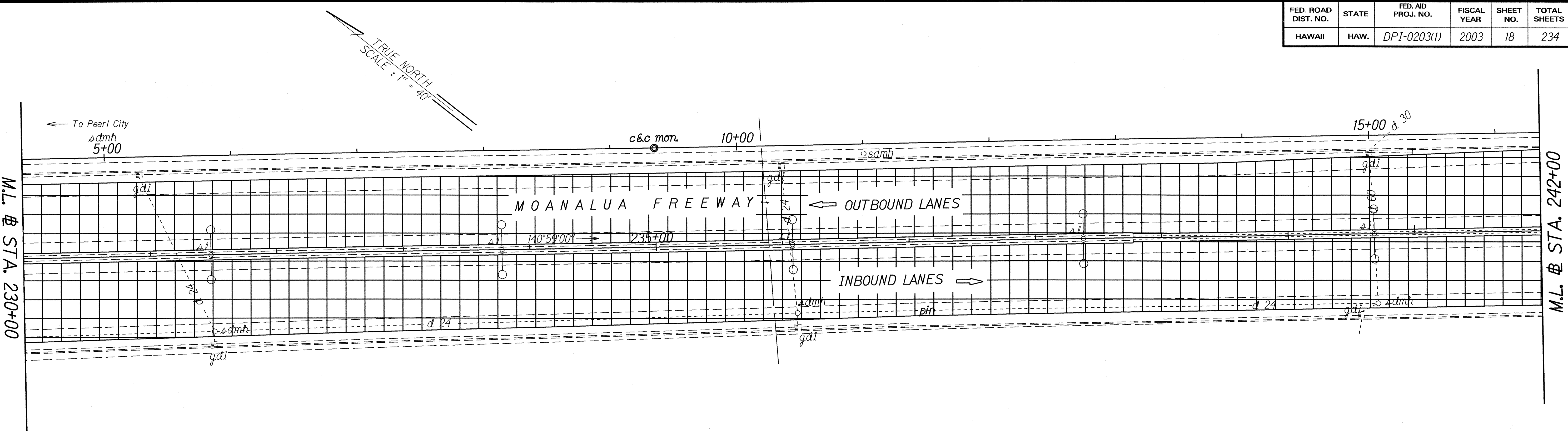
ROADWAY PLANS

MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)

Scale: 1" = 40' Date: June, 2002

SHEET No. 5 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	18	234



CURVE DATA TABLE	
	10
P.C. # Station	246+22.23'
P.T. # Station	253+55.21
Δ	35°0'0"
R	1200'
T	378.36'
Lc	733.04'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

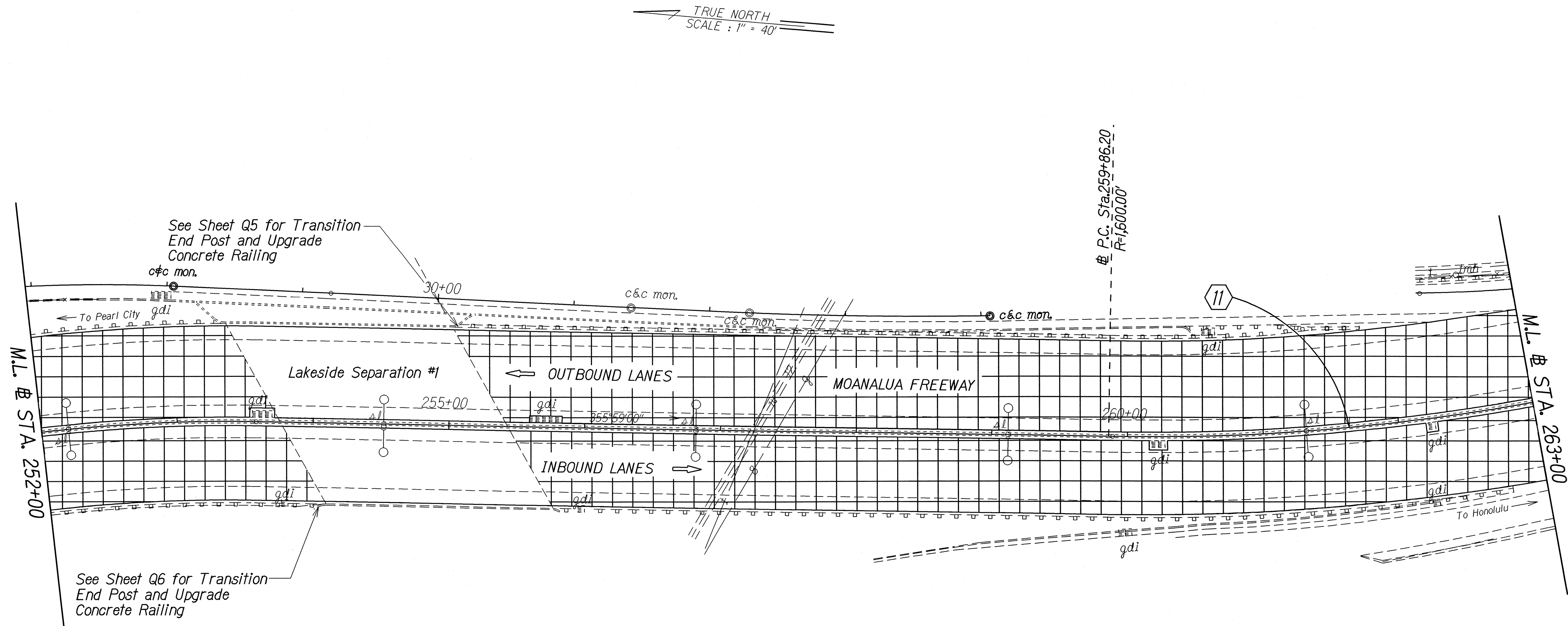
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)

Scale: 1" = 40'Date: June, 2002

SHEET No. 6 OF 14 SHEETS

DATE	
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	19	234



CURVE DATA TABLE	
	11
P.C. # Station	259+86.20
P.T. # Station	271+03.21
Δ	40°00'00.0"
R	1600'
T	582.35'
Lc	1117.01'

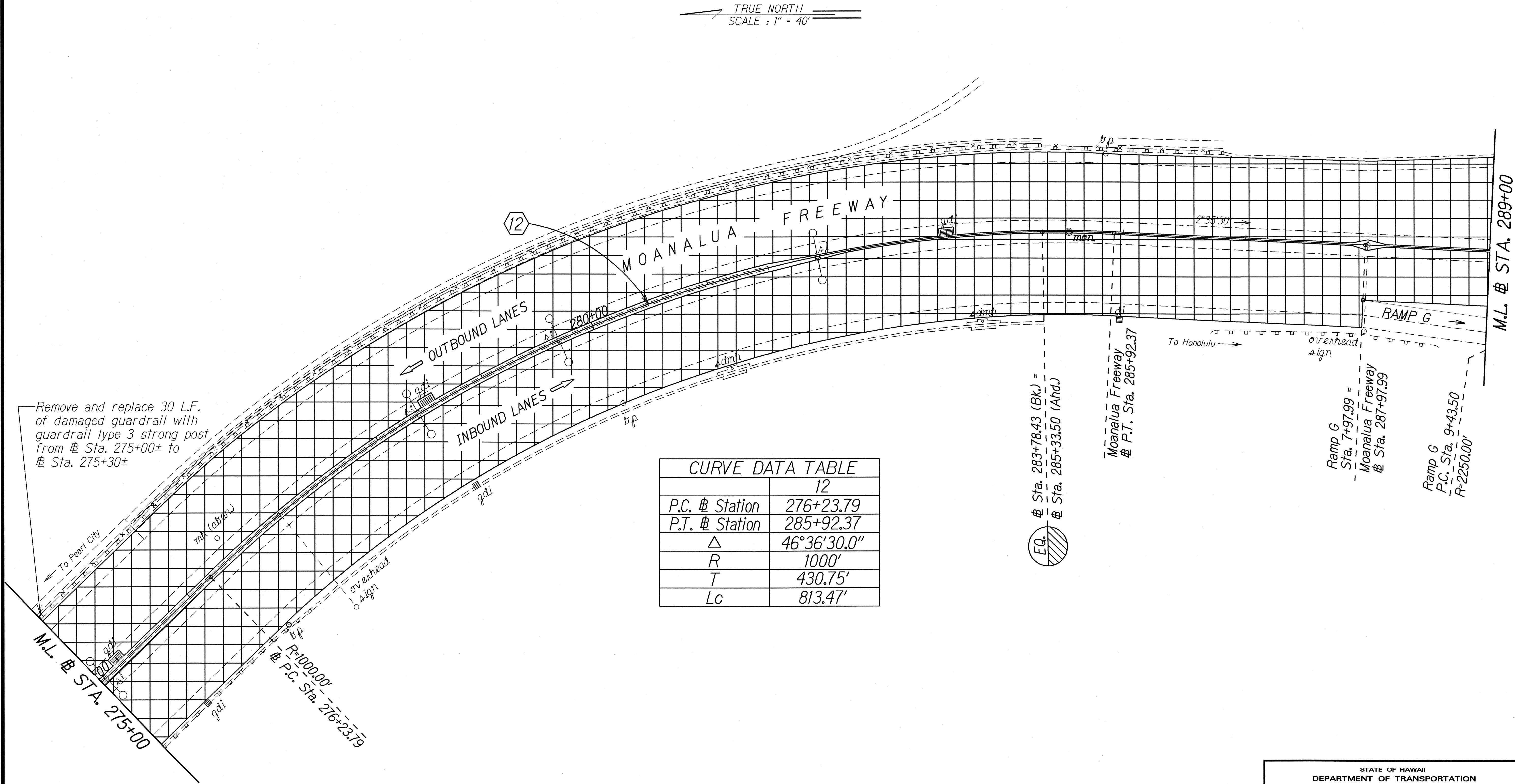
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)
Scale: 1" = 40' Date: June, 2002

SHEET No. 7 OF 14 SHEETS

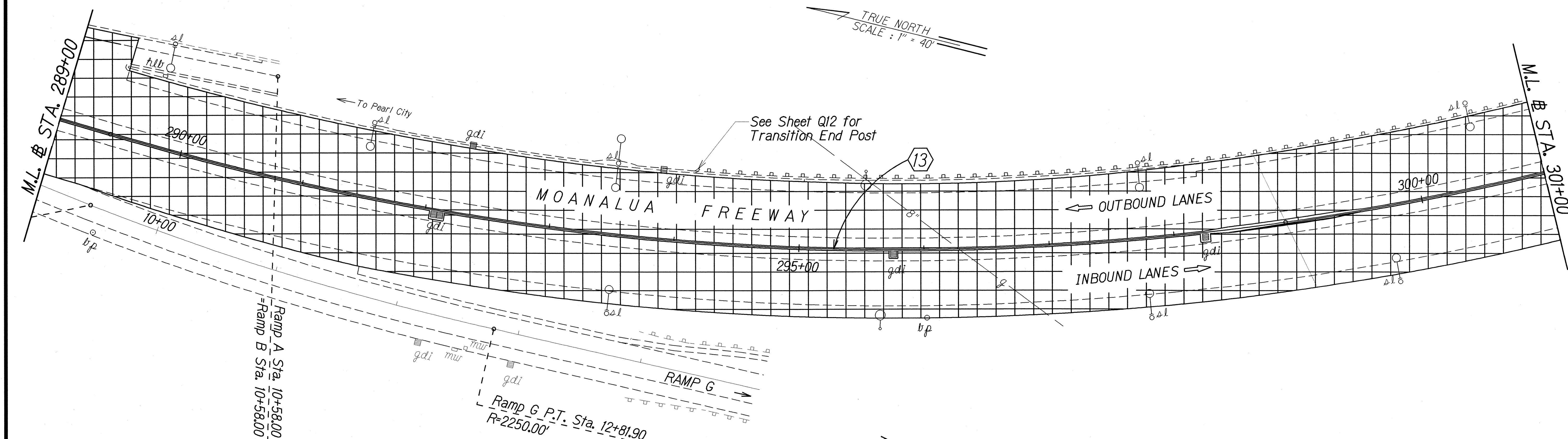
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	21	234



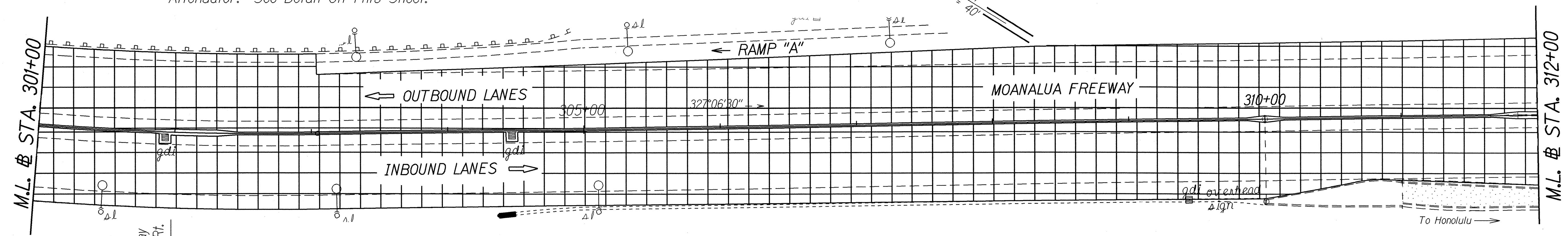
ORIGINAL PLAN	DATE
NOTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)
Scale: 1" = 40' Date: June, 2002
SHEET No. 9 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	22	234



Moanalua Freeway @ Sta. 304+50±, Rt.
Remove Inertial Barriers and Install Terminal Impact Attenuator. See Detail On This Sheet.

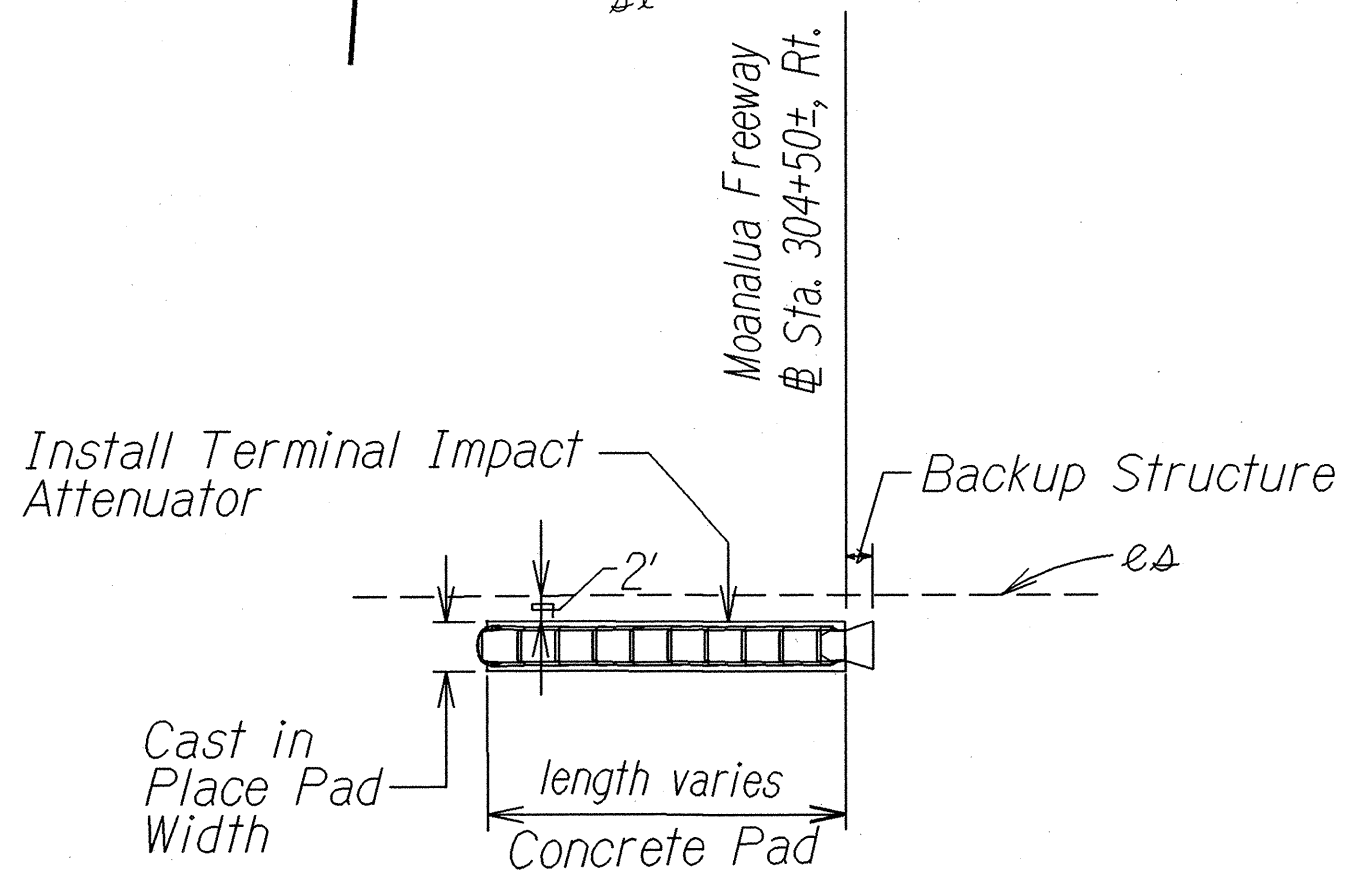


TYPICAL DETAIL - TERMINAL IMPACT ATTENUATOR

Not to Scale

- NOTES
1. The removal and disposal of existing concrete barrier, inertial barriers and landscaping within the work area shall be considered incidental to various contract items.
 2. The relocation of existing highway light conduits, cables and/or pullboxes shall be considered incidental to the various contract items.

CURVE DATA TABLE	
	13
P.C. @ Station	289+41.99
P.T. @ Station	303+04.47
Δ	35°29'01.0"
R	2200'
T	703.88'
Lc	1362.47



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

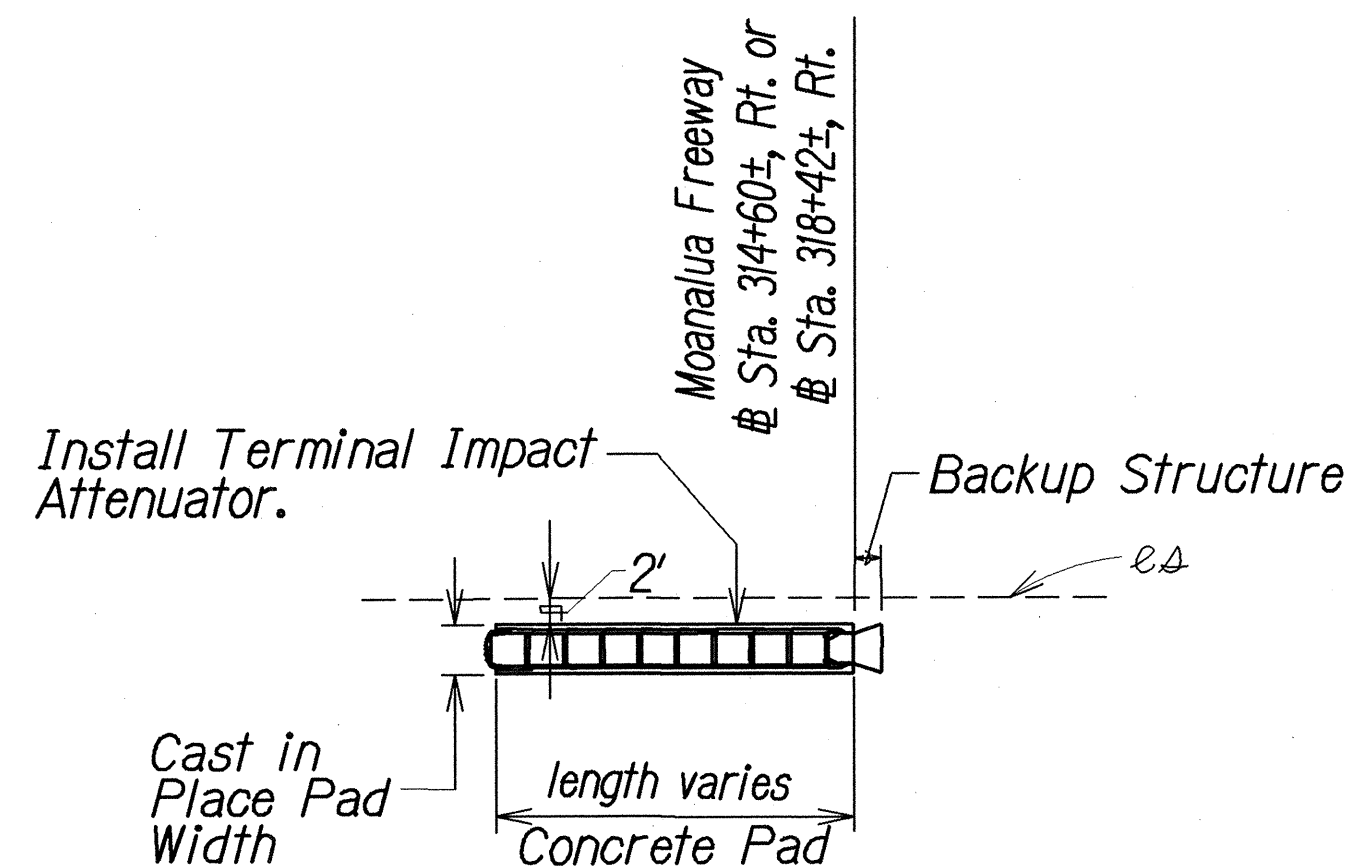
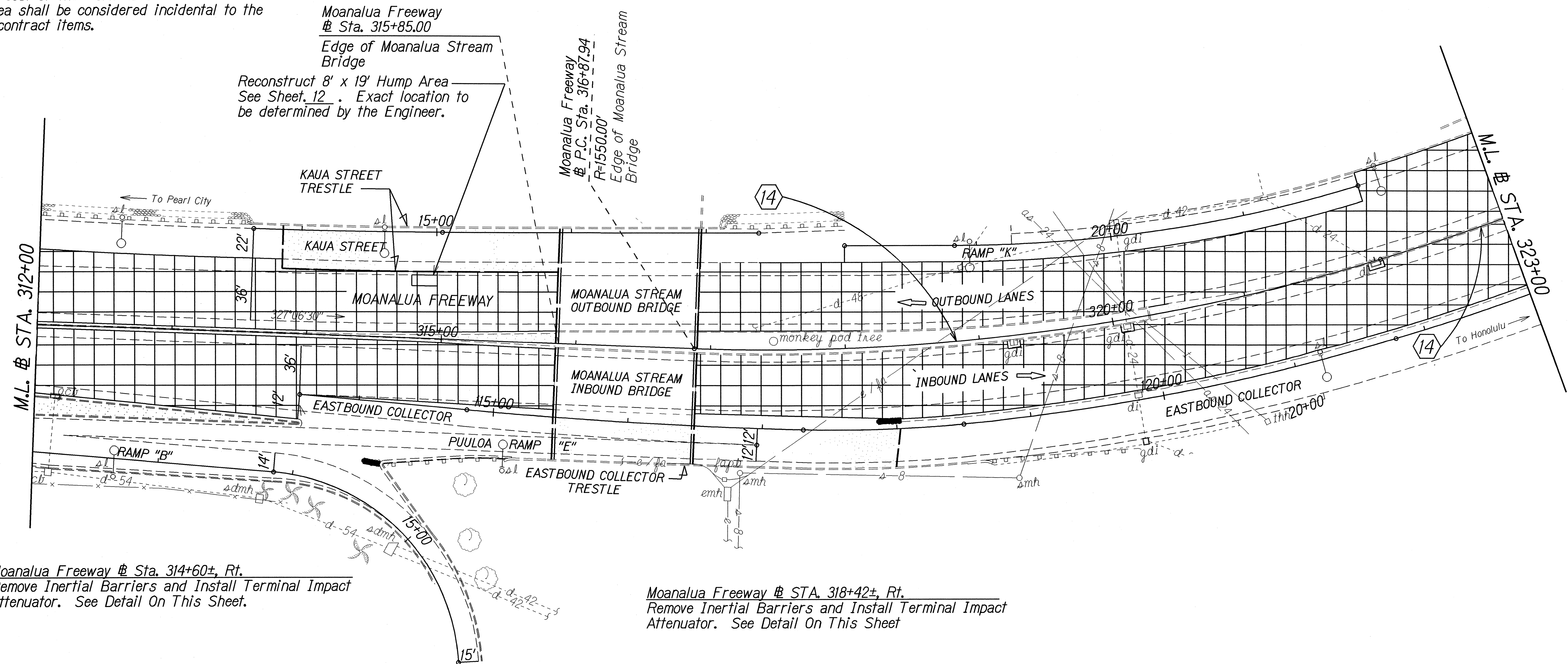
ROADWAY PLANS
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)

Scale: 1" = 40'
Date: June, 2002

SHEET No. 10 OF 14 SHEETS

8' x 19' HUMPH AREA REPAIR NOTES:

1. Cold plane the 8' x 19' hump area to a minimum depth of 24 inches below the present average surface elevation and backfill with 24 inches of Asphalt Concrete Base (ACB) placed in 6-inch lifts.
2. Determine the bottom elevations of the newly placed ACB hump area at 6 equally distributed locations and provide the information to the Engineer.
3. Cold plane as required and resurface the entire outbound lanes as shown on the drawings providing a smooth transition from the bridge to the end of the trestle structure west of the bridge.
4. The cost of the work associated with the 8' x 19' hump area shall be considered incidental to the various contract items.



TYPICAL DETAIL - TERMINAL IMPACT ATTENUATOR

NOTES

1. The removal and disposal of existing concrete barrier, inertial barriers and landscaping within the work area shall be considered incidental to various contract items.
2. The relocation of existing highway light conduits, cables and/or pullboxes shall be considered incidental to the various contract items.

CURVE DATA TABLE

	14	15
P.C. # Station	316+87.94	322+04.22 (P.C.C.)
P.T. # Station	322+04.22 (P.C.C.)	330+14.14
Δ	19°05'03.0"	24°54'57.0"
R	1550'	1862.47'
T	260.55'	411.46'
Lc	516.28'	809.92'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	23	234

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

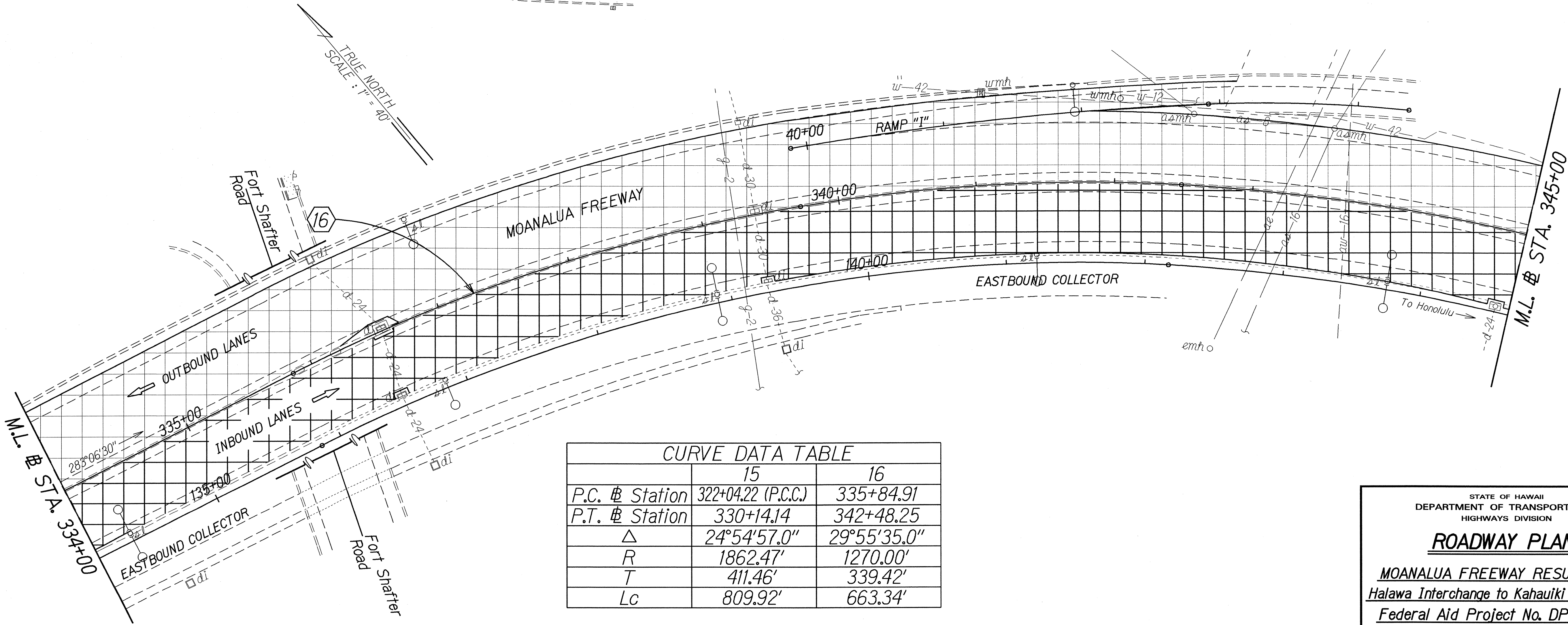
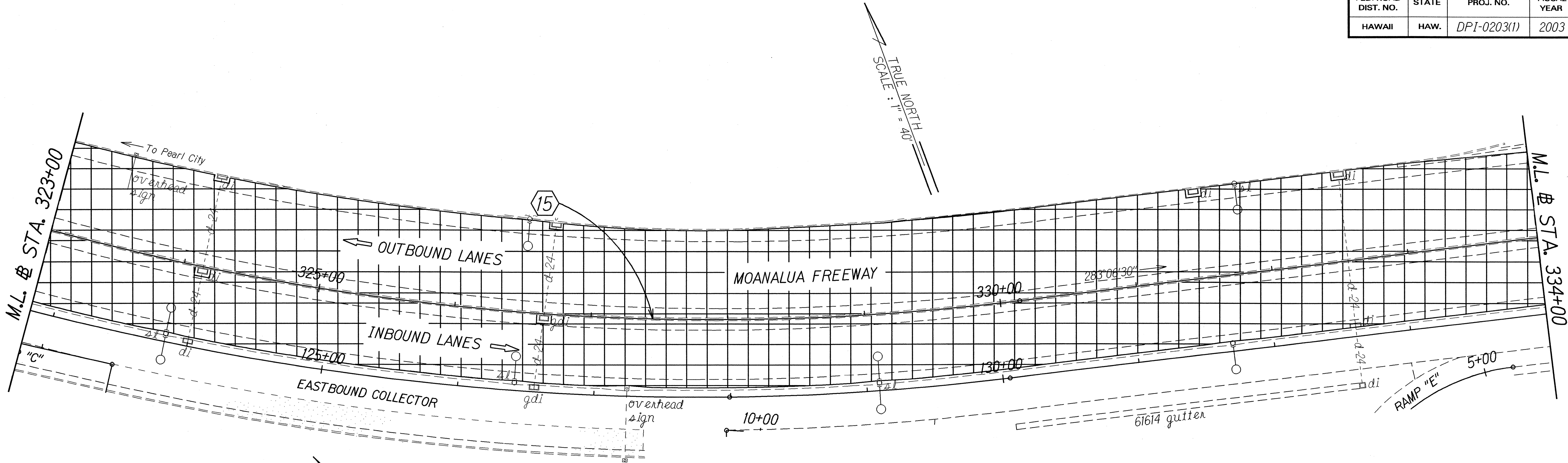
ROADWAY PLANS

MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)

Scale: 1" = 40' Date: June, 2002

SHEET No. 11 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	24	234



CURVE DATA TABLE		
	15	16
P.C. # Station	322+04.22 (P.C.C.)	335+84.91
P.T. # Station	330+14.14	342+48.25
Δ	24°54'57.0"	29°55'35.0"
R	1862.47'	1270.00'
T	411.46'	339.42'
Lc	809.92'	663.34'

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

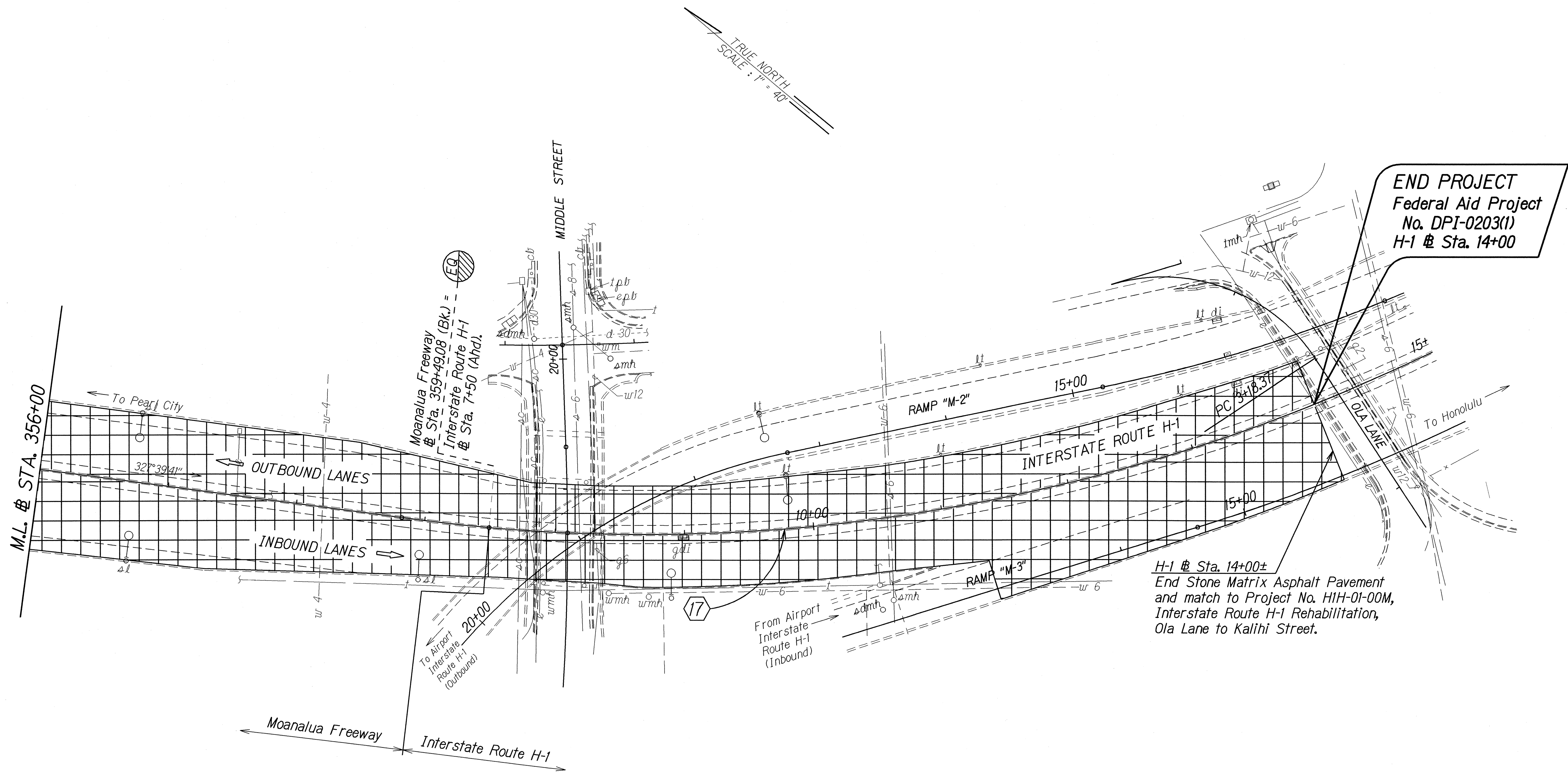
ROADWAY PLANS

MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)

Scale: 1" = 40'
Date: June, 2002

SHEET No. 12 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	26	234



END PROJECT
Federal Aid Project
No. DPI-0203(1)
H-1 @ Sta. 14+00

H-1 @ Sta. 14+00±
End Stone Matrix Asphalt Pavement
and match to Project No. H1H-01-00M,
Interstate Route H-1 Rehabilitation,
Ola Lane to Kalihi Street.

CURVE DATA TABLE	
	18
P.C. # Station	358+82.14
P.T. # Station	19+19.32
Δ	0°53'11.0"
R	1400.00'
T	651.30'
Lc	1238.57'

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)

Scale: 1" = 40'
Date: June, 2002

SHEET No. 14 OF 14 SHEETS