

GENERAL NOTES

- SURVEY PLOTTED BY

DATE

DRAWN BY

DATE

TRACED BY

DATE

QUANTITIES BY

DATE

CHECKED BY

DATE

ORIGINAL PLAN

NOTE BOOK

N.

1. The project includes repairing concrete decks and expansion joints, applying concrete sealer and/or concrete overlay, and replacing pavement markings.

2. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work to not less than 30 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.

3. The Contractor's attention is directed to the following Sections of the Special Provisions : Subsection 104.18 - Weekend and Night Work; Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Utilities And Services; and Section 645 - Work Zone Traffic Control.

4. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.

5. The Contractor shall notify, the Oahu Transit Services at telephone nos. 848-4578 or 848-4571, two (2) weeks prior to construction, informing them of location, scope of work, and closure of Highways and/or traffic lanes and dates of closure.

6. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.

7. Smooth riding connections shall be constructed at all limits of resurfacing including the beginning and end of project as shown on the plans and/or as directed by the Engineer.

8. The Contractor shall be solely responsible for the protection of utilities and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer.

9. Existing drainage system shall be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items and will not be paid for separately.

10. The Contractor shall clean and remove any accumulation of debris and materials along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to the various contract items and will not be paid for separately.

11. Maintenance of traffic through the construction area shall be in accordance with Part VI of the "MUTCD 2003 - Manual on Uniform Traffic Control Devices, Federal Highway Administration (Nov. 3, 2003) including all amendments and as specified in the Special Provisions. The Contractor shall furnish and maintain adequate barricades, blinkers, construction signs, etc., for the safety of the motoring public.

12. The Contractor shall replace pavement markings and markers that are damaged or missing within the daily area of deck repair work in accordance with Special Provisions' Sections 629 - Pavement Markings.

13. Steel Plates shall not be used on the roadway.

14. Unless otherwise noted, repair locations shown in the roadway plans are located on the highest elevation of the roadway and are for illustration purpose only. The Contractor shall be aware of Special Provisions Subsection '676.03(H) - Deck Condition Survey' regarding use of the roadway plans. Actual limits of areas to repair shall be located by the Contractor and accepted by the Engineer in the field.

15. All damage shown is located on the highest elevation roadway when roadways overlap unless noted otherwise.

16. The Eastbound (EB) direction includes the following: I.R. H-1 E.B.; Ramps NE, WA, WI, WD, IF, PF, AE, A, B, and C; Nimitz Highway Connector E.B.; and Kalihi Stream Bridge for Deck Repair.

17. The Westbound (WB) direction includes the following: I.R. H-1 W.B. and Ramps D, ED, F, G, WD, AW, and EN for Deck Repair.

18. The Contractor is hereby reminded of the requirements prior to the application of the Concrete Sealer and the Bridge Polyester Concrete Overlay.

19. Typical Zipper Lane layout shown below. Construction shall not affect the zipper lane operation unless written approval is requested prior to such activity from both the Engineer and the Zipper Lane authority and written approval is obtained prior to such activity. Not to scale. Contractor shall be aware of Special Provisions Subsection 645.03(F) - Lane Closures regarding Zipper Lane.
- The diagram illustrates a typical zipper lane layout for H-1 Outbound Lanes. It shows two lanes separated by a dashed centerline. On the left side, a solid line represents the 'Moveable Barrier (Deployed Position)' with a 26' width to the centerline. On the right side, a solid line represents the 'Moveable Barrier (Stored Position)' with a 24' width to the centerline. The lanes are labeled 'e.p.' (edge of pavement) and 'e.s.' (edge of shoulder). A 'parapet' is shown on the far right. A station marker '135+00' is indicated at the bottom right.
- LEGEND & ABBREVIATIONS
- Project Limits

Crack/Spall Damage Repair Areas

Drains

IR H-1 = Interstate Route H-1

PCC = Portland Cement Concrete

AC = Asphalt Concrete

EB (or IB) = Eastbound (or Inbound) Direction

WB (or OB) = Westbound (or Outbound) Direction

ER = Inbound or Eastbound Ramps

WR = Outbound or Westbound Ramps

S = Indicates deck spans between expansion joints that are to be sounded to locate repair areas

EJ = Expansion Joints
- STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES, LEGEND &
ABBREVIATIONS

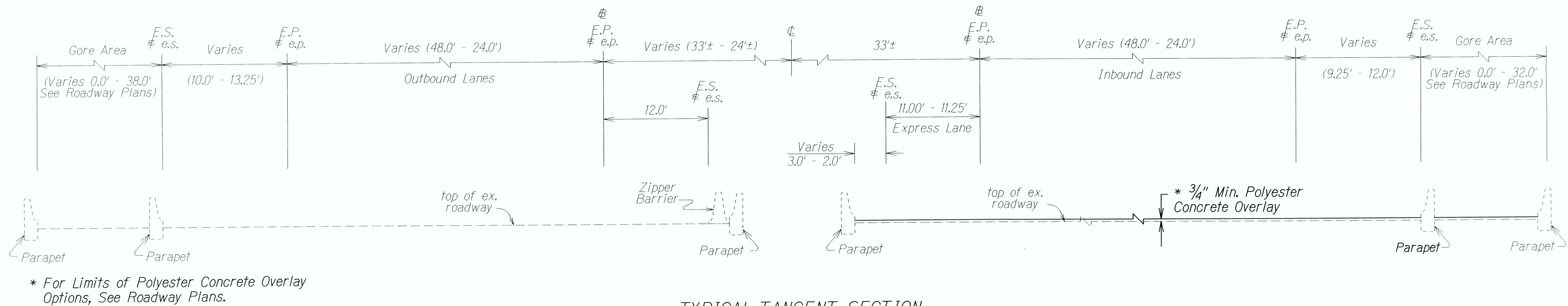
INTERSTATE ROUTE H-1
AIRPORT VIADUCT REPAIR

VICINITY OF VALKENBURGH ST. TO MIDDLE ST.
Federal Aid Project No. IM-H1-1(268)

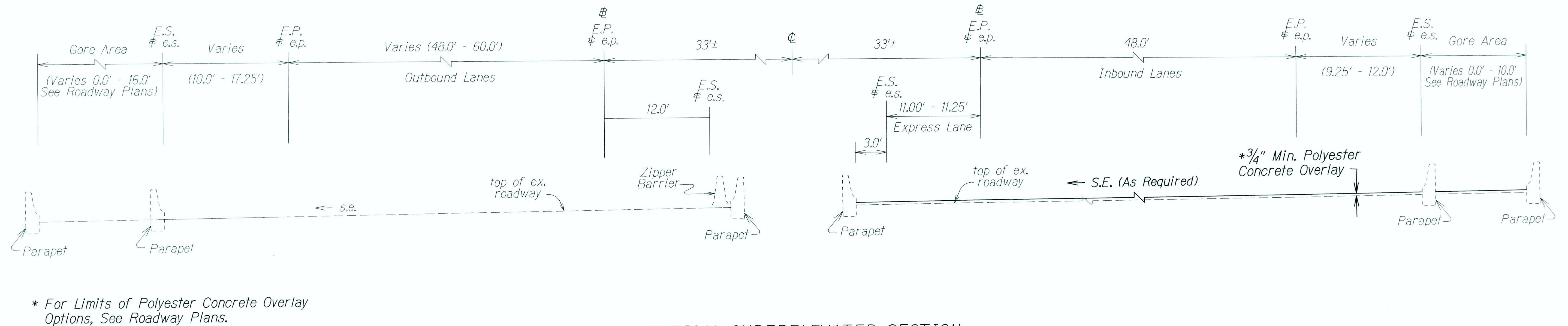
Scale: 1" = 40' Date: Mar, 2013

SHEET No. 1 OF 1 SHEETS
- | | |
|----------|-----------------------------------|
| 04/22/13 | Deleted Legend for Option Limits. |
| DATE | REVISION |
- ADD. 3

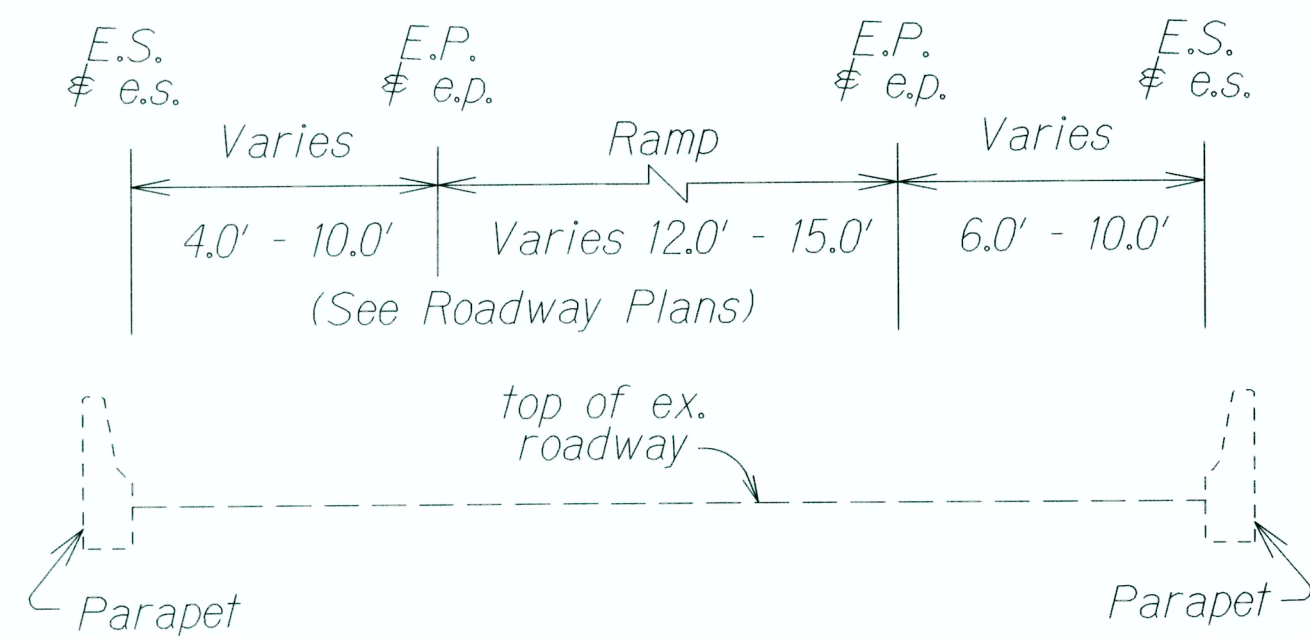
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(268)	2013	ADD.6	35



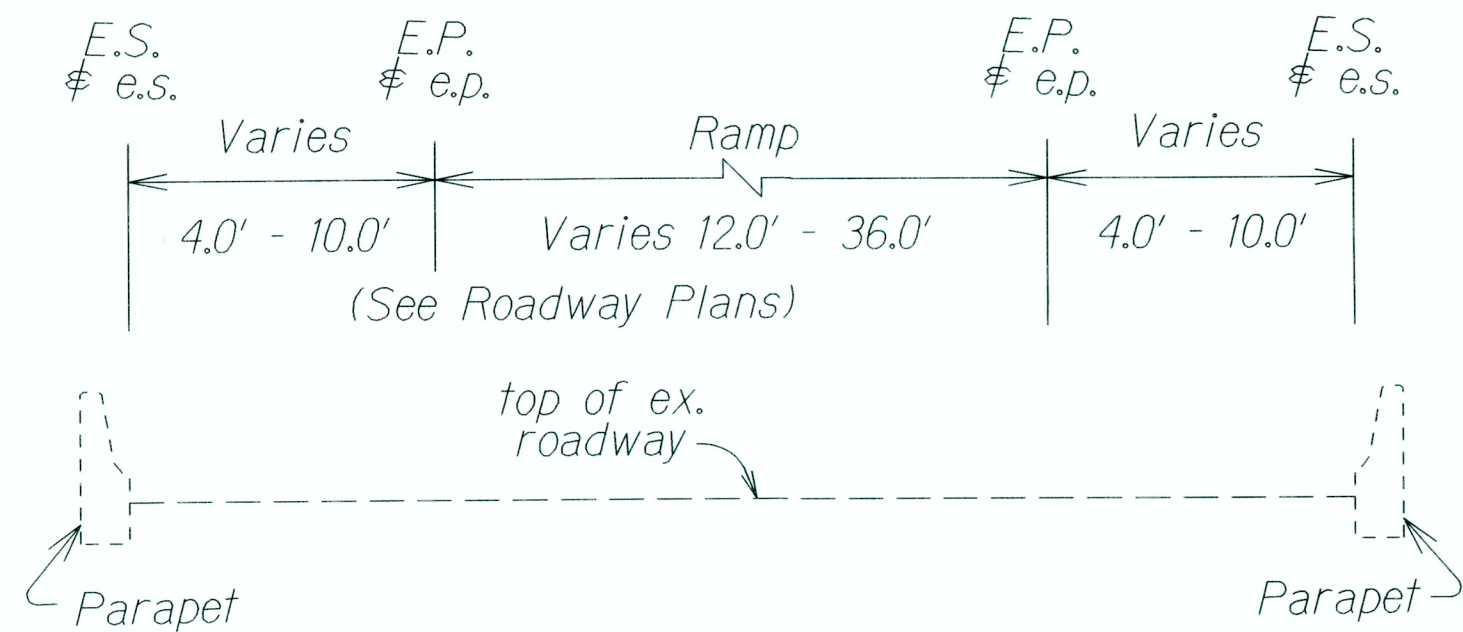
TYPICAL TANGENT SECTION



TYPICAL SUPERELEVATED SECTION



TYPICAL OUTBOUND RAMPS

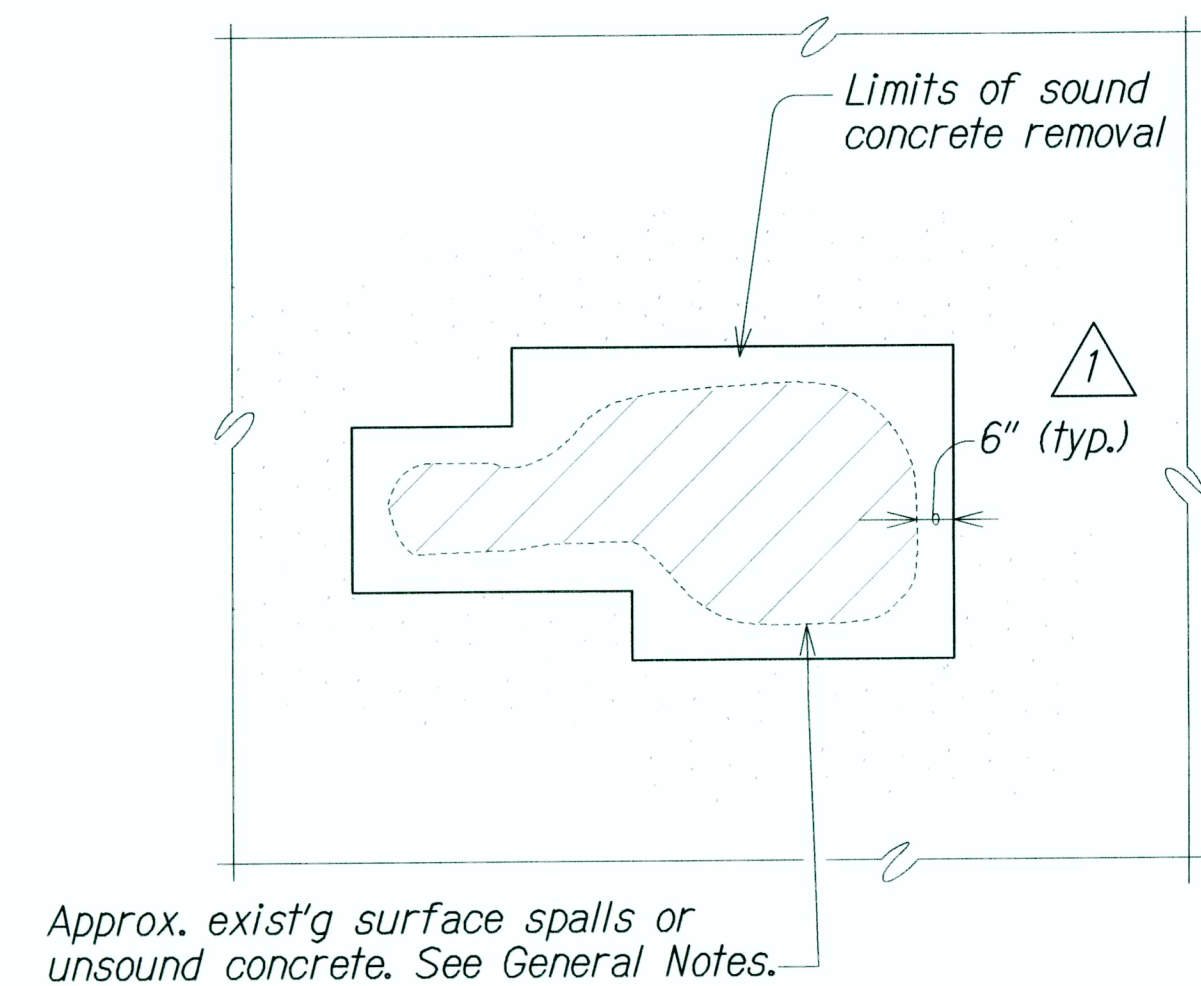


TYPICAL INBOUND RAMPS

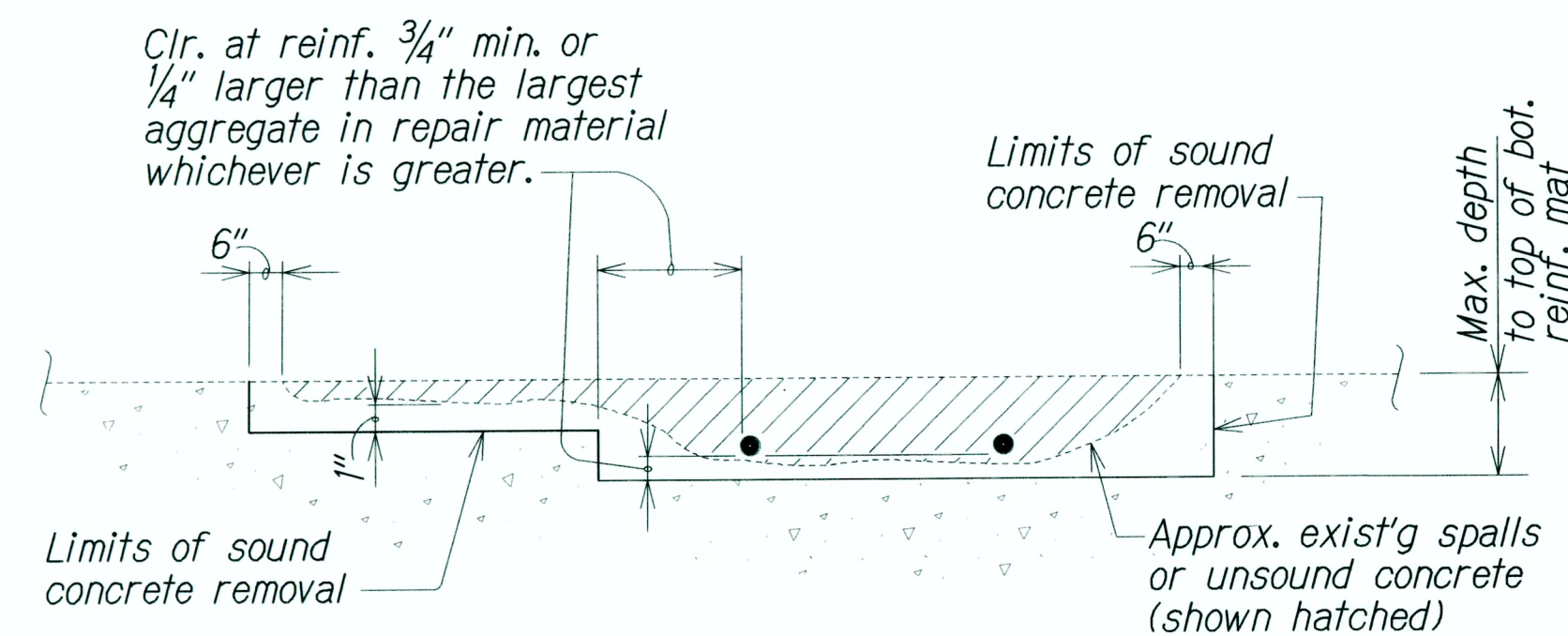
NOTE: For Zipper Barrier and Parapet locations, See Roadway Plans.

04/22/13	Added "Min." on 3/4" Polyester Concrete Overlay.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTION & DETAILS	
INTERSTATE ROUTE H-1 AIRPORT VIADUCT REPAIR VICINITY OF VALKENBURGH ST. TO MIDDLE ST. Federal Aid Project No. IM-HI-1(268)	
Scale: Not To Scale	Date: May, 2013
SHEET No. 1 OF 2 SHEETS	

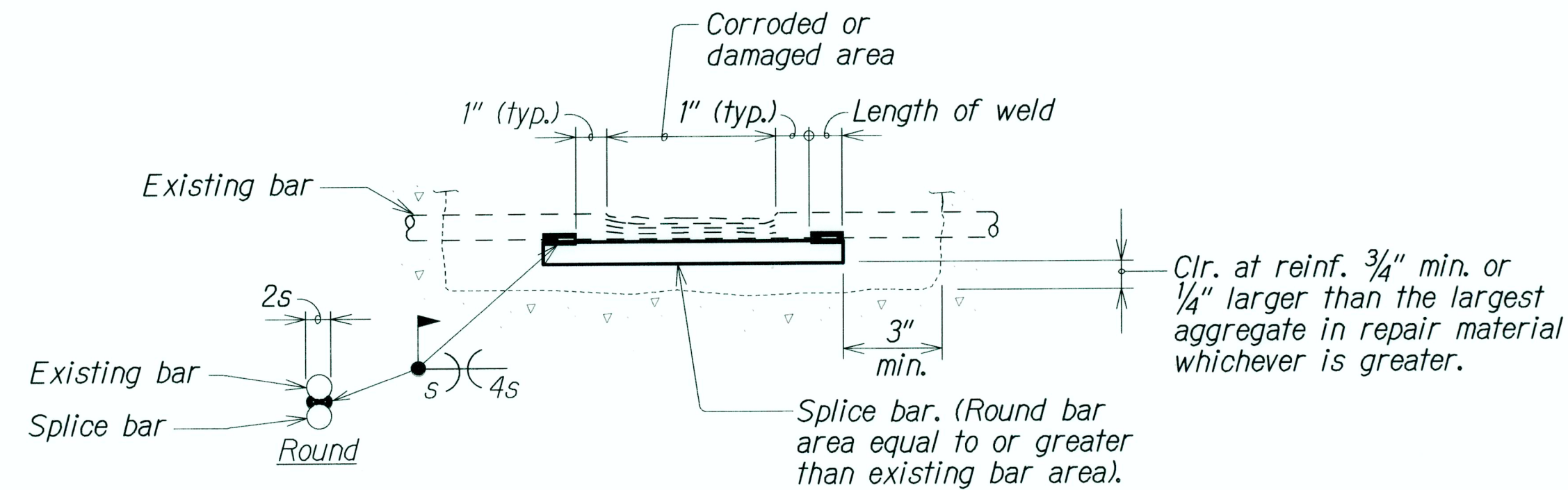
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(268)	2013	ADD. 7	34



PLAN OR ELEVATION

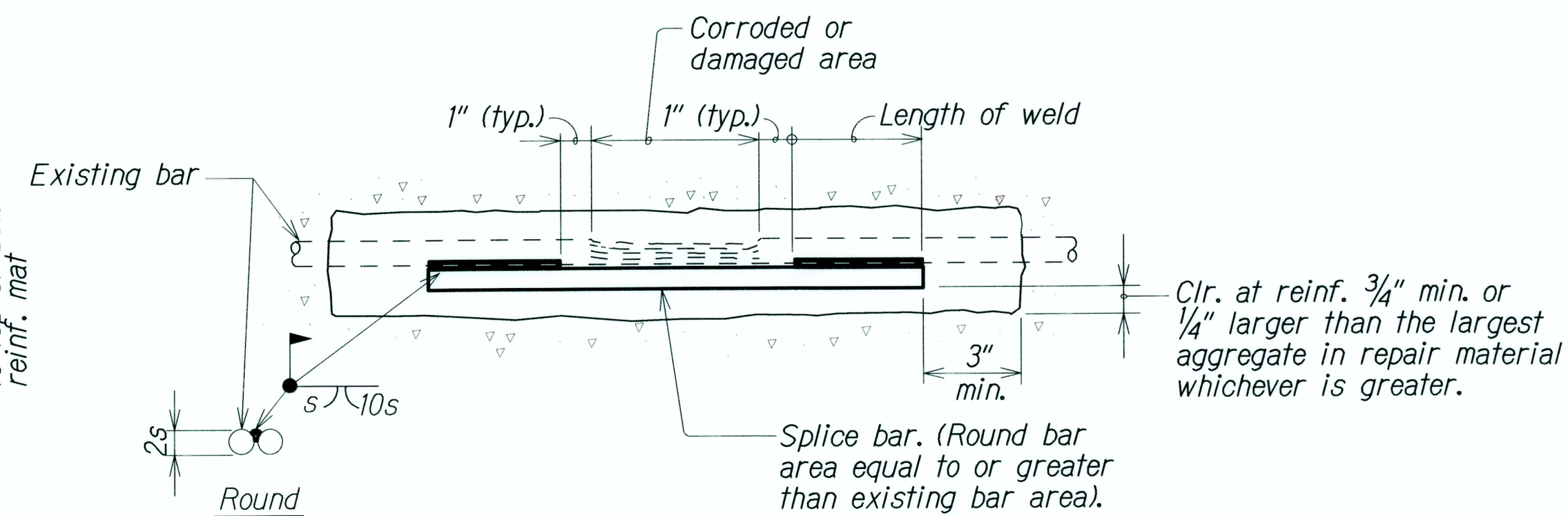


AT SURFACE
TYPICAL SECTION



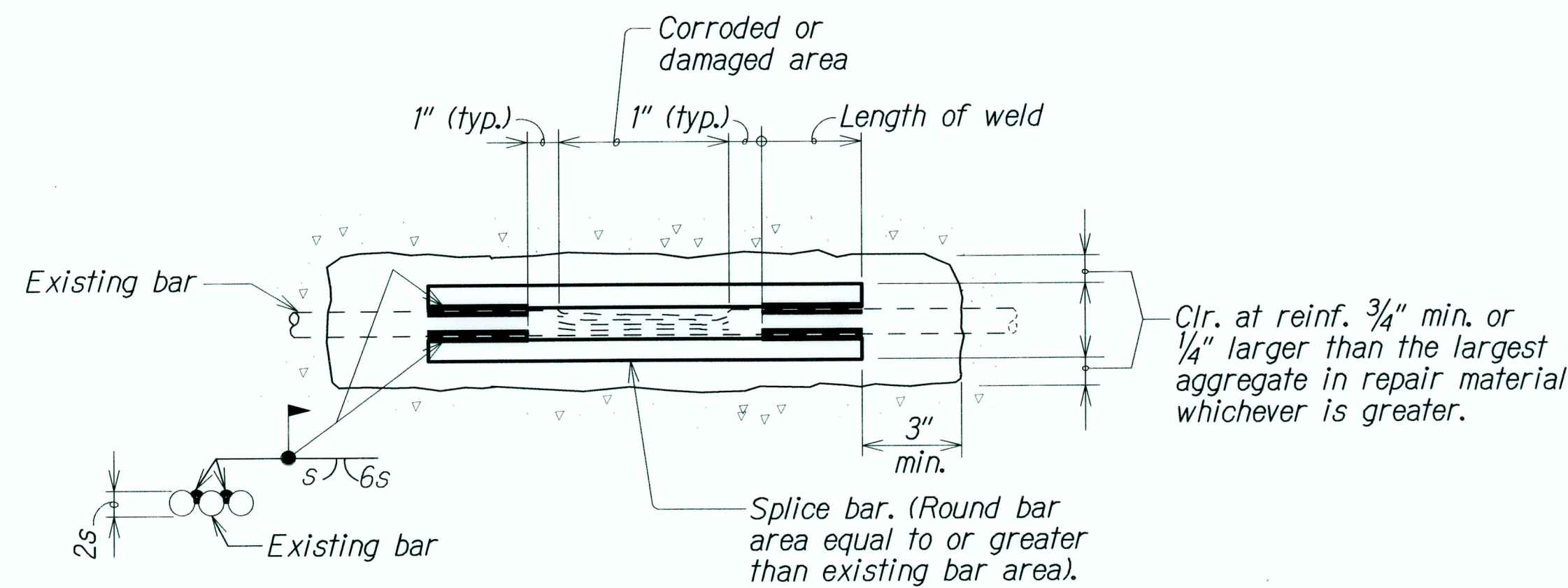
TYPICAL SECTION

TYPICAL REINFORCING BAR REPAIR SPLICE DETAILS



PLAN

ALTERNATE REINFORCING BAR REPAIR SPLICE DETAILS
ONLY IF TYPICAL NOT POSSIBLE (#5 BAR AND BELOW)



PLAN

ALTERNATE REINFORCING BAR REPAIR SPLICE DETAILS
ONLY IF TYPICAL NOT POSSIBLE (#6 AND ABOVE)

SPALL AND CRACK REPAIR DETAILS

Not to Scale

GENERAL NOTES

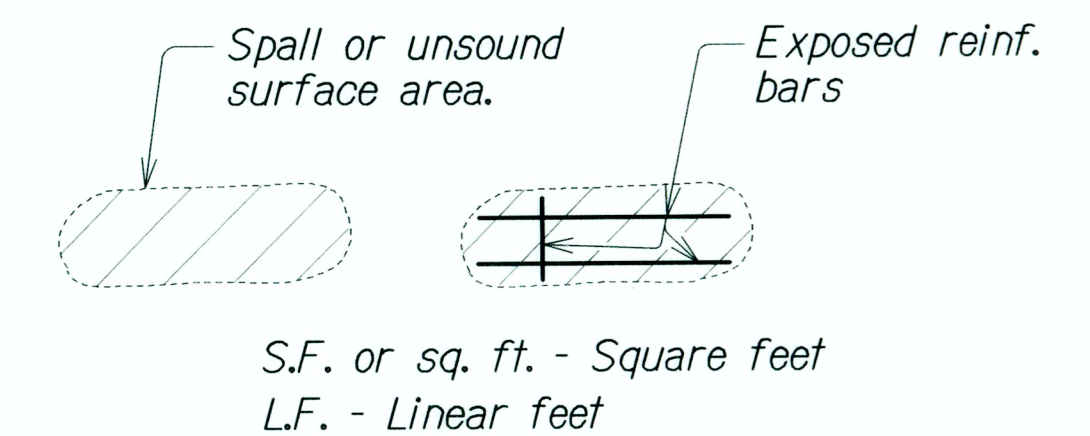
GENERAL:

1. New reinforcing steel shall be ASTM A 706. All welded reinforcing steel shall be ASTM A 706 where welded connections are required.
2. All welding shall be done in accordance with the current edition of the Reinforcing Steel Welding Code AWS D1.4.
3. Repair material and procedures shall be accepted by the Engineer before use.
4. Shotcrete shall not be used to make repairs.
5. The Contractor shall protect the public and environment from dust pollution and other damages resulting from the blasting, chipping and drilling operation. The Contractor shall be aware of and follow all State, Federal and county environmental regulations and provide containment to prevent abrasives, dust and debris from dispersing into surrounding areas and into the stream or stream bank. The Contractor shall submit the method of containing and controlling pollution for acceptance to the Engineer.

REPAIR NOTES:

1. The Contractor shall be aware of extensive repair requirements in Section 676 Concrete Repair of the Special Provisions.

SYMBOLS AND ABBREVIATIONS:



4/23/2013 Revised dimension

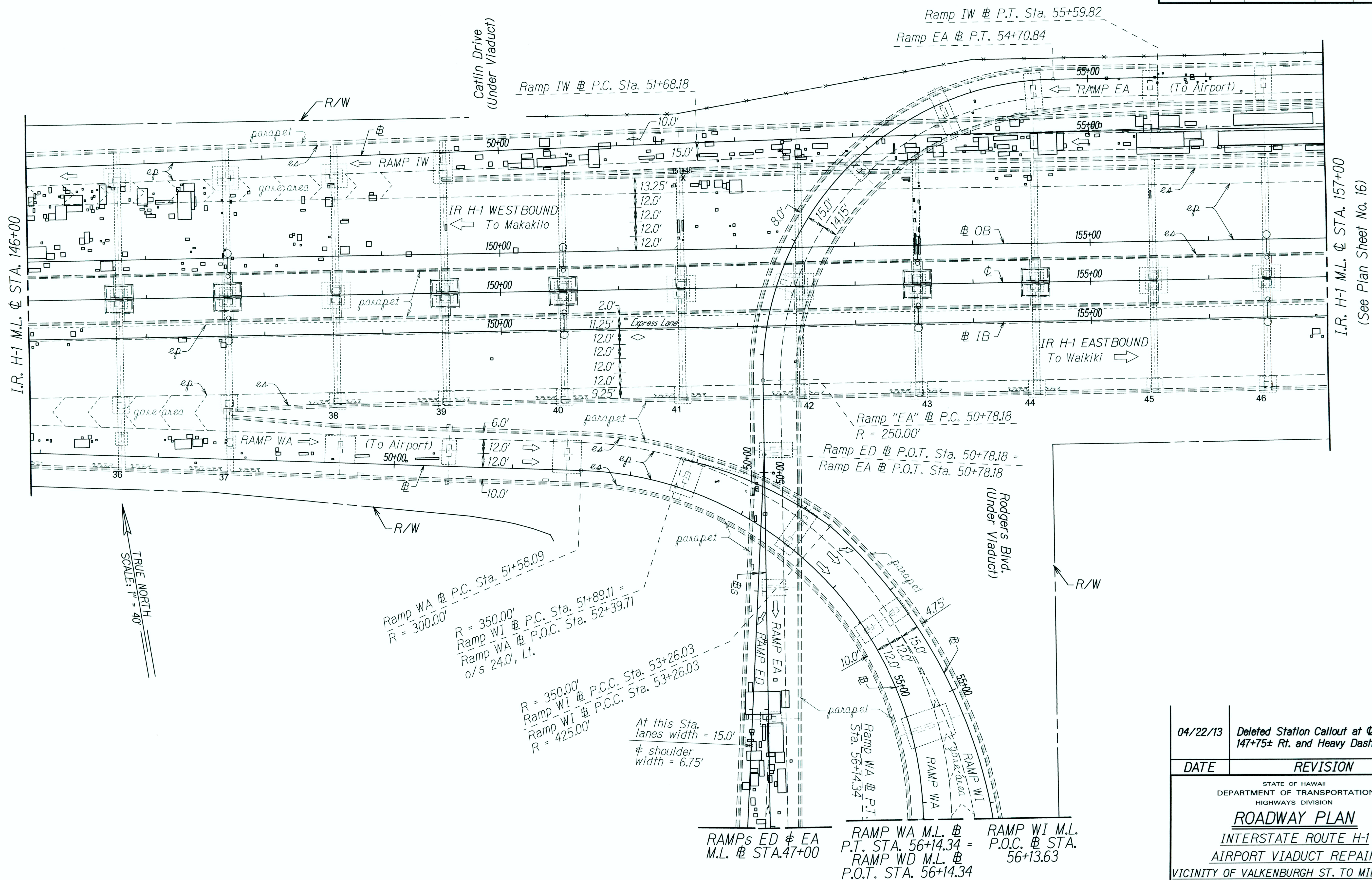


DATE REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION AIRPORT VIADUCT SPALL AND CRACK REPAIR DETAILS INTERSTATE ROUTE H-1 AIRPORT VIADUCT REPAIR Vicinity of Valkenburgh Street to Middle Street Federal Aid Project No. IM-HI-1(268) Scale: As Noted Date: Jul, 2012	
SHEET No. 2	OF 2 SHEETS

ADD. 7

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(268)	2013	ADD.12	35



<i>04/22/13</i>	<i>Deleted Station Callout at & Sta. 147+75± Rt. and Heavy Dash Line.</i>
<i>DATE</i>	<i>REVISION</i>
<p style="text-align: center;">STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p style="text-align: center;"><u><i>ROADWAY PLAN</i></u> <u><i>INTERSTATE ROUTE H-1</i></u> <u><i>AIRPORT VIADUCT REPAIR</i></u> <u><i>VICINITY OF VALKENBURGH ST. TO MIDDLE ST.</i></u> <u><i>Federal Aid Project No. IM-HI-1(268)</i></u></p> <p><i>Scale: 1" = 40' Date: mar, 2013</i></p>	
SHEET No. <i>5</i> OF <i>22</i> SHEETS	

