

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HI-EG-01-95M	1995	3	5

## GENERAL NOTES

### REPAIR NOTES:

- All deteriorated, damaged, cracked, spalled, honeycombed concrete or concrete over rusted reinforcing bars shall be removed as shown and repaired with magnesium phosphate concrete.
- Face of existing concrete
- Hatched area denotes approximate damaged area from which loose or unsound concrete has been partially removed.
- Limits of concrete removal or concrete patch (see detail this sheet).
- Provide minimum 1 1/2" concrete cover over reinforcement.
- Reinforcing bars that have rusted more than 25% of their original cross sectional area shall be strengthened as shown on "Reinforcing Bar Repair Splice Detail", this sheet.
- The Engineer shall determine all areas to be repaired and the limits of repair at each area.

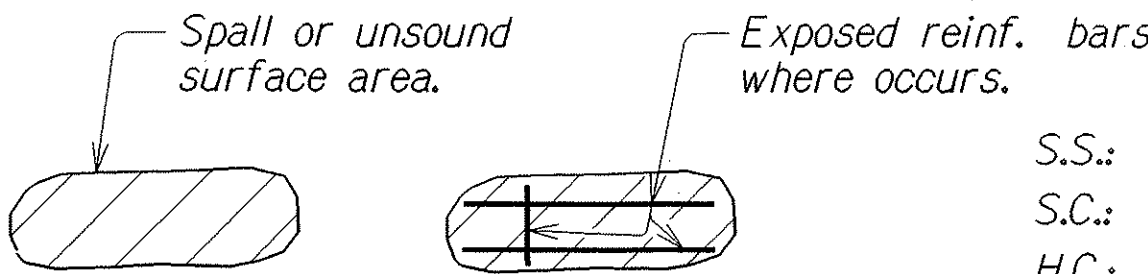
**INCIDENTAL ITEMS:** The following items shall be considered incidental to the various pay items or repairs and will not be paid for separately:

- Cleaning of all exposed, corroded reinforcing steel to sound metal.
- Reinforcing bars of repair splice for strengthening corroded bars.
- Cutting, pushing down existing reinforcing bars or doweling reinforcing bars into the existing concrete deck.
- Replacing all pavement markers and striping damaged during the construction of this project.

### GENERAL:

- All reinforcing steel to be ASTM A615 Grade 40.
- All welding shall be done in accordance with the current edition of the Reinforcing Steel Welding Code AWS D1.4.
- Maintenance & control of traffic--See Special Provisions sub-section 104.04.

### SYMBOLS AND ABBREVIATIONS:



S.S.: Surface spall (Concrete)  
S.C.: Surface crack (Concrete)  
H.C.: Hairline crack  
S.F. or sq. ft.: Square feet  
L.F.: Linear feet

## ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
676.0200	Spall Repair--Pearl City Viaduct	SF	1,700 *
676.0201	Spall Repair--Airport Viaduct	SF	1,400 *
Extra Work Item No.			
** 676.0301	Spall Repair of Percol Areas - Pearl City Viaduct	SF	1,214

\* Includes estimated overrun

\*\* New extra work item created and Contract Item No. 676.0200 quantities deleted. See Contract Change Order No. 2 for details.

### LEGEND FOR AS-BUILT POSTINGS

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Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

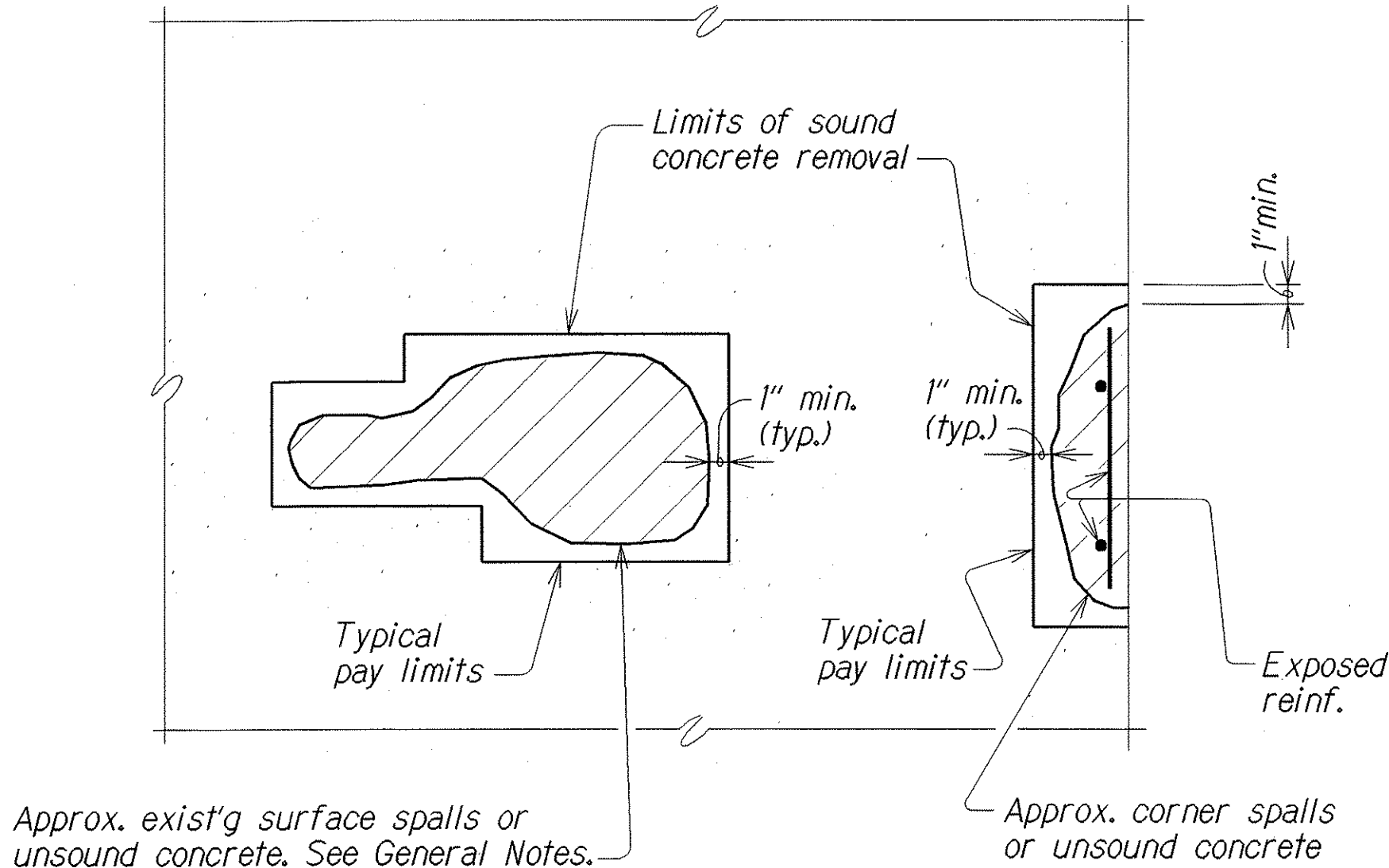
TYPICAL CONCRETE REPAIRS, GENERAL  
NOTES AND ESTIMATED QUANTITIES

H-1 FREEWAY RESURFACING  
Pearl City and Airport Viaducts  
Project No. HI-EG-01-95M

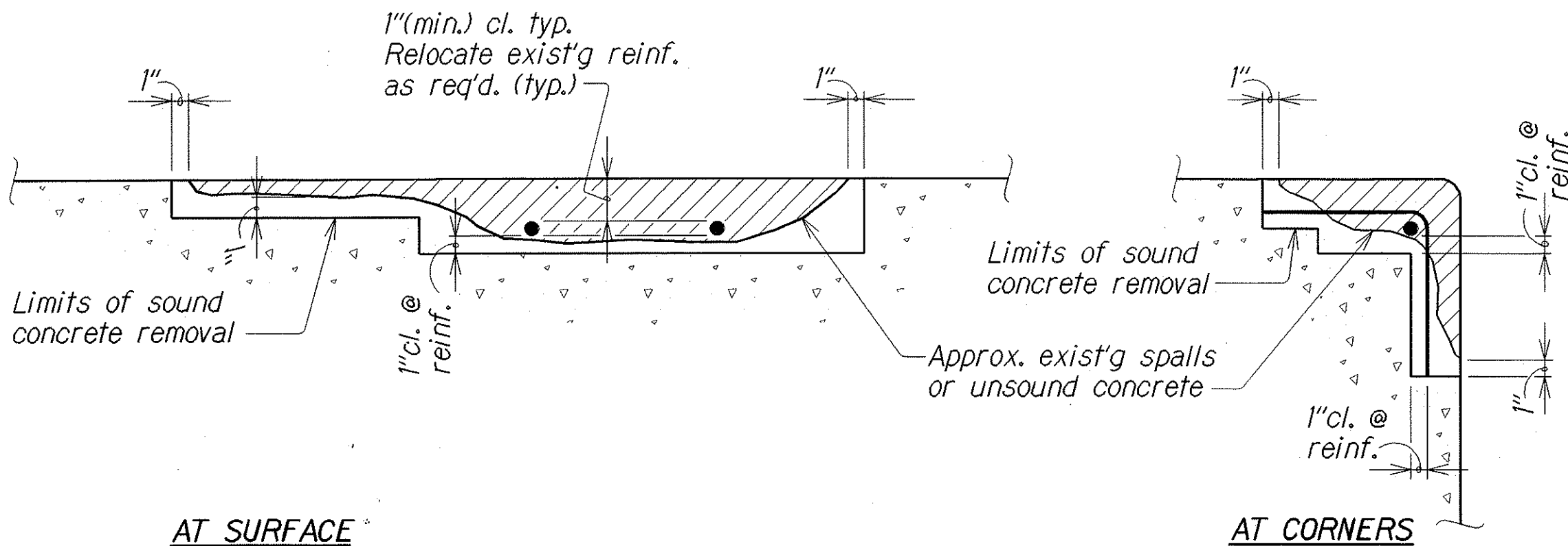
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Date: Apr, 1995

SHEET No. 01 OF 3 SHEETS



### PLAN OR ELEVATION



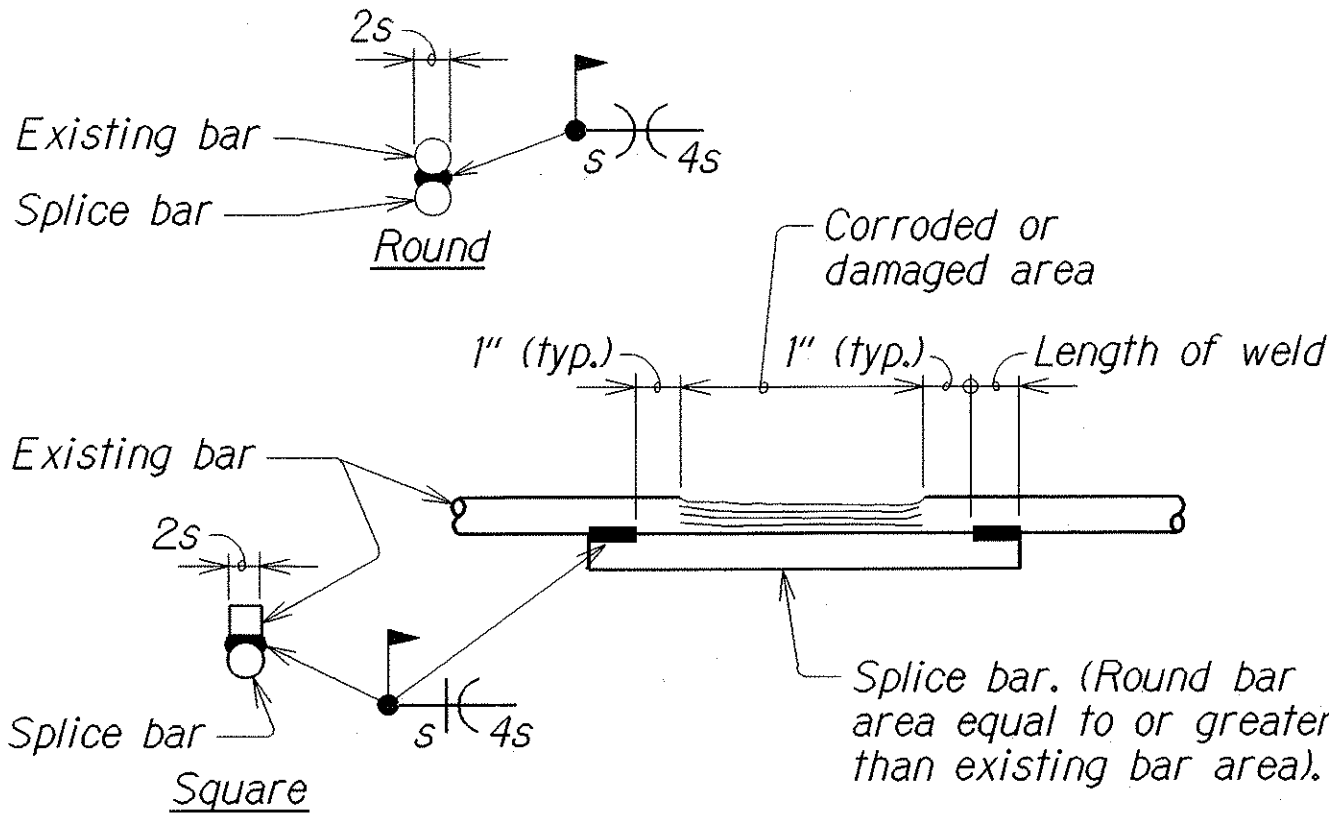
AT SURFACE

### TYPICAL SECTIONS

## TYPICAL CONCRETE REPAIRS

Not to Scale

### REINFORCING BAR REPAIR SPLICE DETAIL



ORIGINAL PLAN	DATE	APR 1995
DESIGNED BY	DESIGNED BY	APR 1995
NOTED BY	NOTED BY	APR 1995
CHECKED BY	CHECKED BY	APR 1995