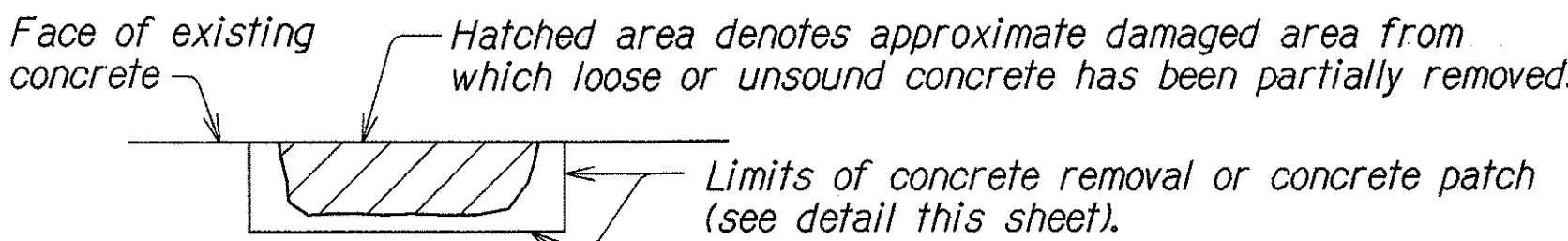


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIE-01-92M	1992	5	6

## 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 polyurethane concrete.



- 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. **(no steel bar was found to be rusted more than 25% of the original x-sectional area.)**
- The Engineer shall determine all areas to be repaired and the limits of repair at each area.

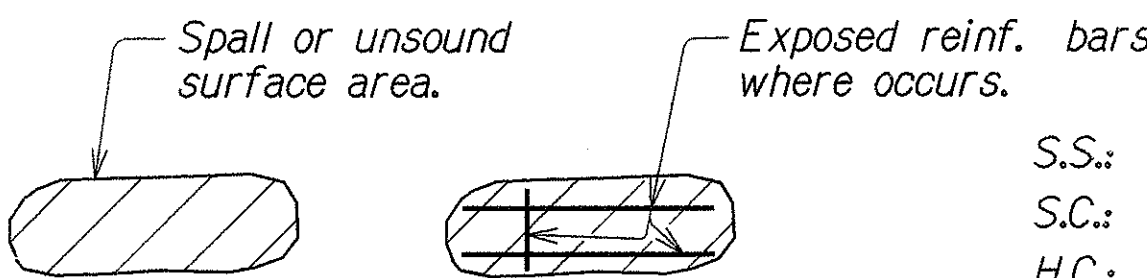
**INCIDENTAL ITEMS:** The following items shall be considered incidental to the various pay items or repairs and will not be paid for separately:

- Cleaning of all exposed, corroded reinforcing steel to sound metal.
- Reinforcing bars of repair splice for strengthening corroded bars.

### 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	QUANTITY	UNITS
676.1000	Spall Repair	1,800*	S.F.

\*Includes estimated overrun

**NOTE:** Total spall repair exceeded estimated contract quantity of 1,800 s.f.. For extra spall repair done under CCO #3, refer to field measurement book.

### LEGEND FOR AS-BUILT POSTINGS

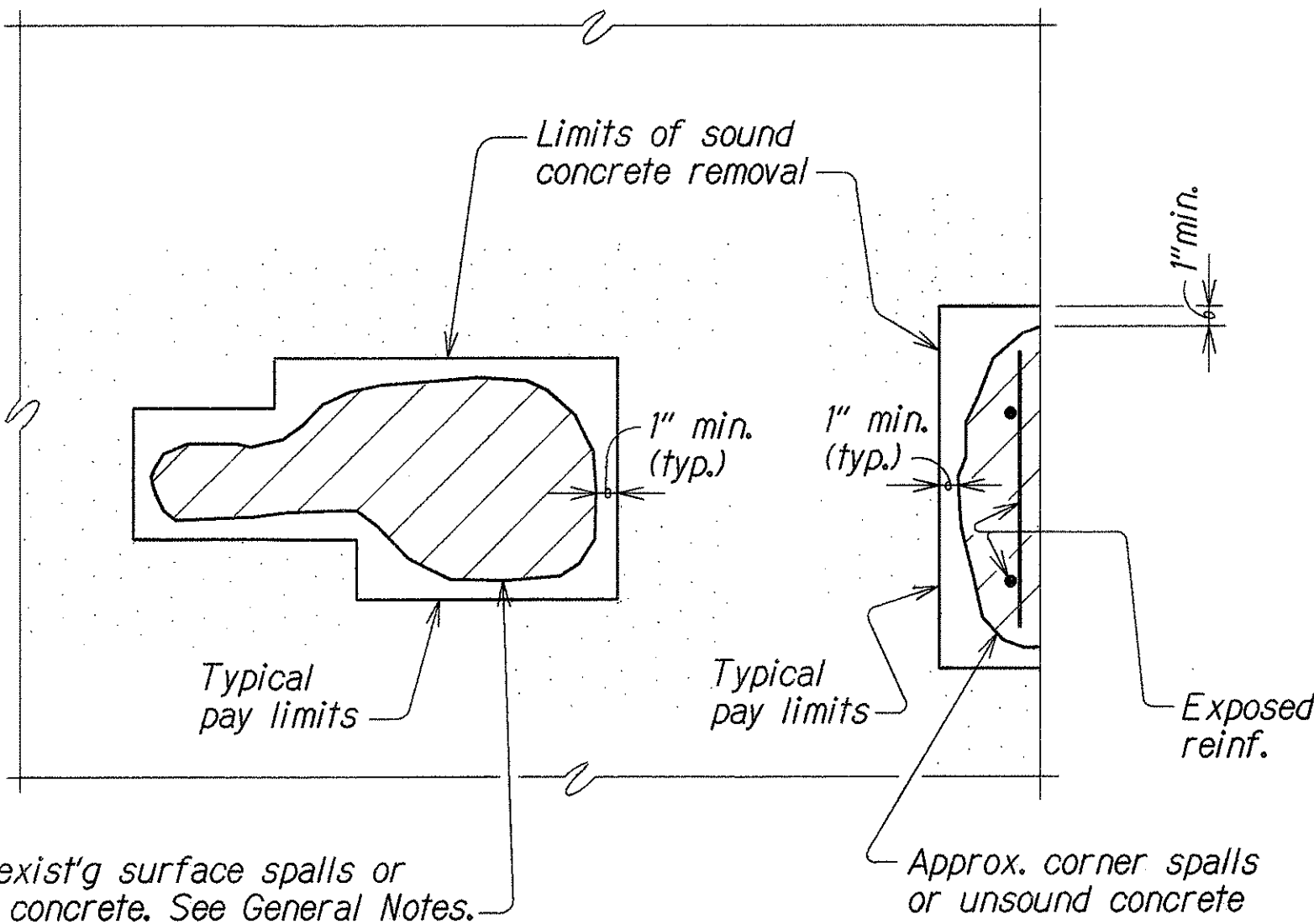
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

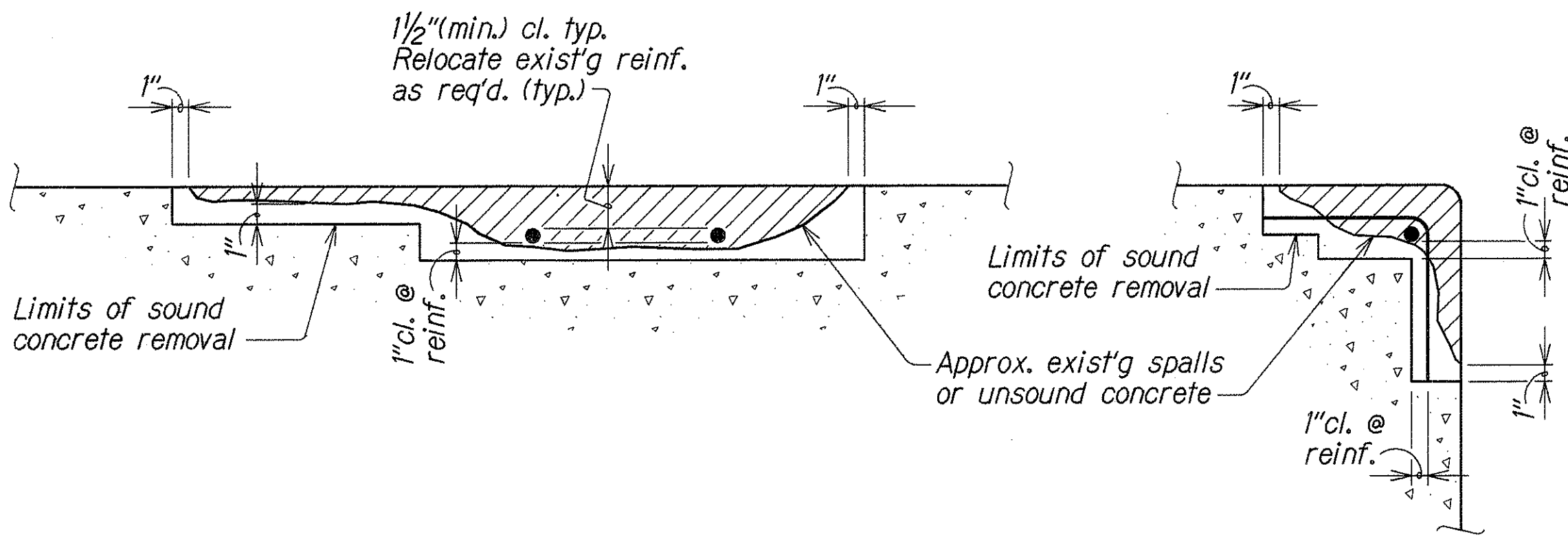
PEARL CITY VIADUCT  
REHABILITATION AND BRIDGE REPAIR DETAILS  
Sta. 3+78.88 to Sta. 62+71.09  
INTERSTATE ROUTE H-1  
Project No. HIE-01-92M

Scale: As Noted  
Date: Jan, 1992

SHEET No. S2 OF 2 SHEETS



### PLAN OR ELEVATION



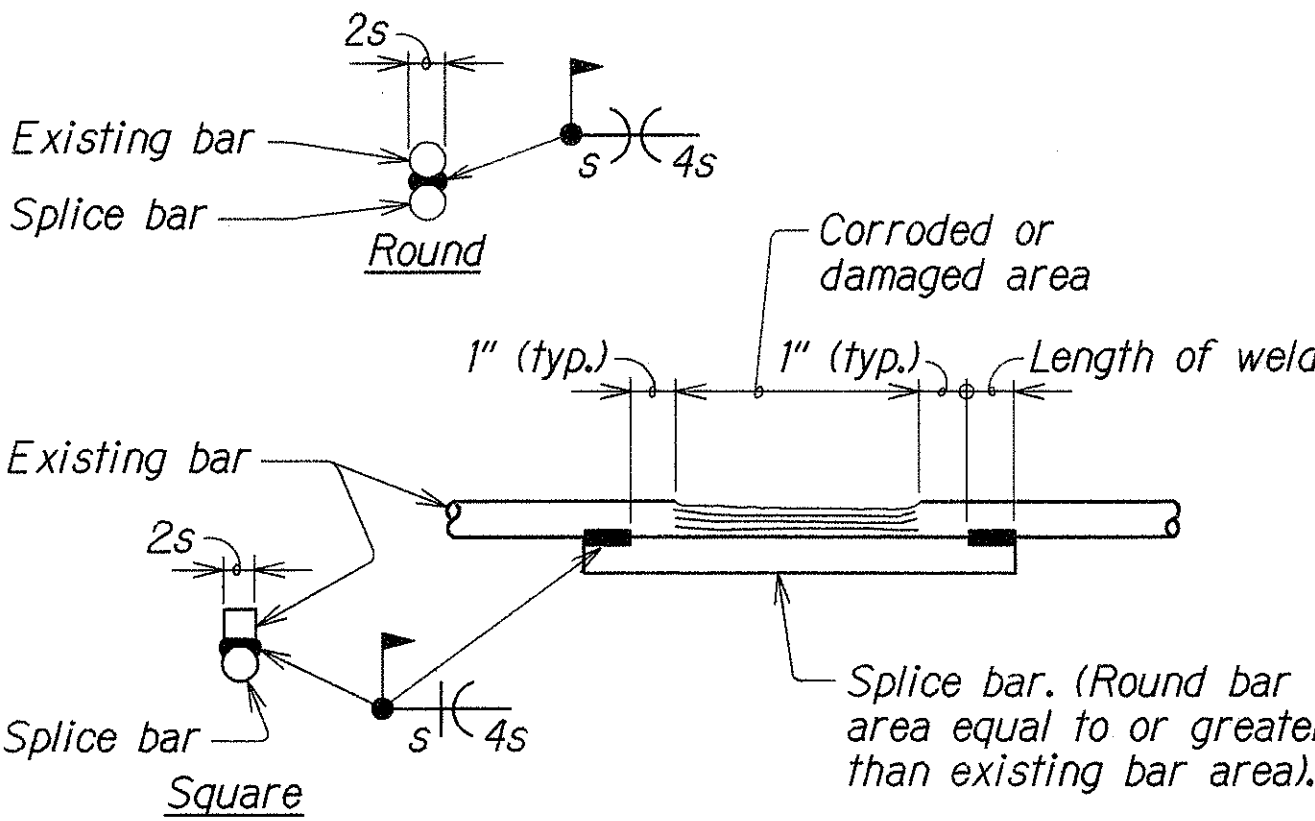
AT SURFACE

AT CORNERS

### TYPICAL SECTIONS

## TYPICAL CONCRETE REPAIRS

Not to Scale



### REINFORCING BAR REPAIR SPLICE DETAIL

ORIGINAL PLAN	DESIGNED BY	CHECKED BY	DATE
	DESIGNED BY	CHECKED BY	
	DESIGNED BY	CHECKED BY	
	DESIGNED BY	CHECKED BY	

"AS-BUILT"

5