

Not to Scale

FEB 1997 FEB 1997 FEB 1997 FED. ROAD DIST. NO. STATE PROJ. NO. FISCAL SHEET NO. SHEETS

HAWAII HAW. 72C-01-97M 1997 ADD 3 6

<u>GENERAL NOTES</u>

REPAIR NOTES:

- 1. All deteriorated, damaged, cracked, spalled, honeycombed concrete or concrete over rusted reinforcing bars shall be removed as shown and repaired with hand-placed mortar. or shotcrete.
 - Reinforcing bars that have rusted more than 25% of their original cross sectional area shall be cleaned and strengthened as shown on "Reinforcing Bar Repair Splice Detail", this sheet.
- 3. The Engineer shall determine all areas to be repaired and the limits of repair at each area.
- Apply silane waterproofing to concrete jackets and spall repairs as approved by the Engineer. Application shall be according to the Manufacturer's recommendations.

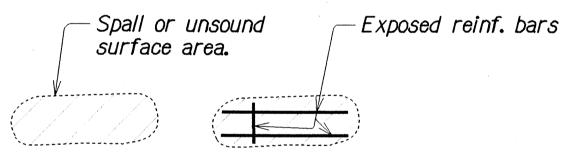
INCIDENTAL ITEMS: The following items shall be considered incidental to the various pay items for repairs and will not be paid for separately:

- 1. Cleaning of all exposed, corroded reinforcing steel to sound metal.
- 2. Reinforcing bars for repair splice.
- 3. Furnishing and application of silane waterproofing material.

GENERAL:

- 1. All reinforcing steel to be ASTM A 615 Grade 40.
- All welding shall be done in accordance with the current edition of the Reinforcing Steel Welding Code AWS D1.4.
- 3. Maintenance \$\psi\$ control of traffic--See Special Provisions sub-section 104.04.
- Install new Construction Warning Signs CW20-1Ad (Road Work Ahead) and CG20-1A (End Road Work) with posts (2-each). The Contractor shall erect the construction signs at the beginning and end of project at the location indicated by the Engineer. These signs shall become the property of the Contractor. Payment shall be made under Item No. 621.7100--Construction Sign with Posts.
- 5. The Contractor is reminded of Section 639--Water Pollution Control.

SYMBOLS AND ABBREVIATIONS:



S.S. - Surface spall (Concrete)

S.C. - Surface crack (Concrete)
H.C. - Hairline crack

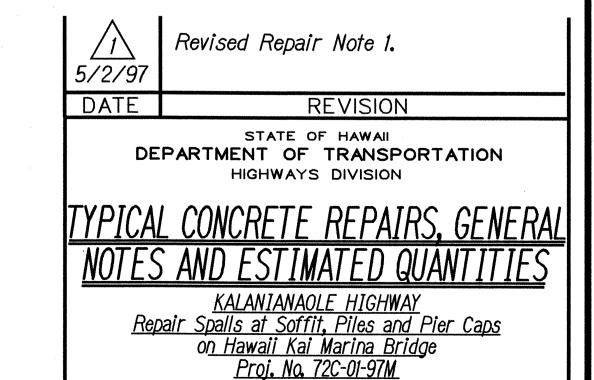
S.F. or sq. ft. - Square feet C.Y. or cu. yd. - Cubic yard

L.F. - Linear feet

| ESTIMATED QUANTITIES | | | |
|----------------------|--|---------|----------|
| ITEM NO. | ITEM | UNIT | QUANTITY |
| 503.1000 | Concrete Jacket - Hawaii Kai Marina Bridge | cu. yd. | 22 * |
| 676.1000 | Spall Repair - Hawaii Kai Marina Bridge | sq. ft. | 100 * |

Scale: As Noted

^{*} Includes estimated overrun.



SHEET No. Q1 OF 4 SHEETS

ADD3