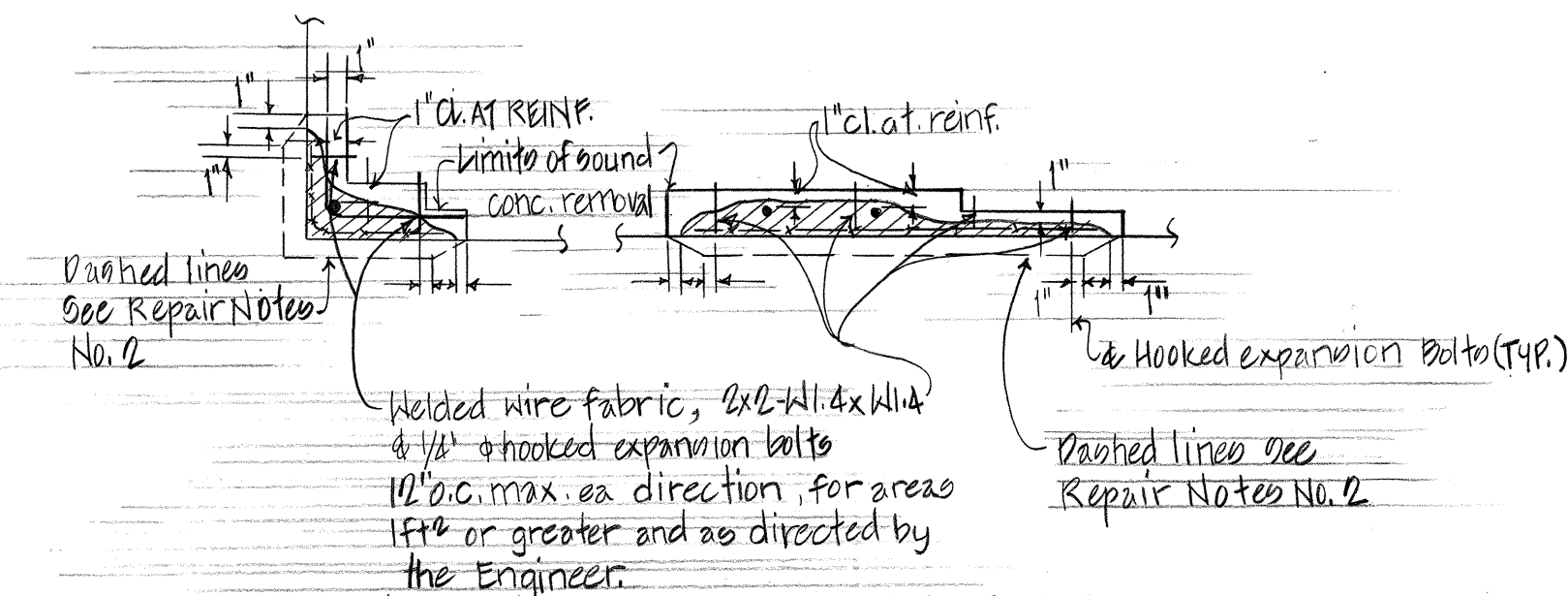
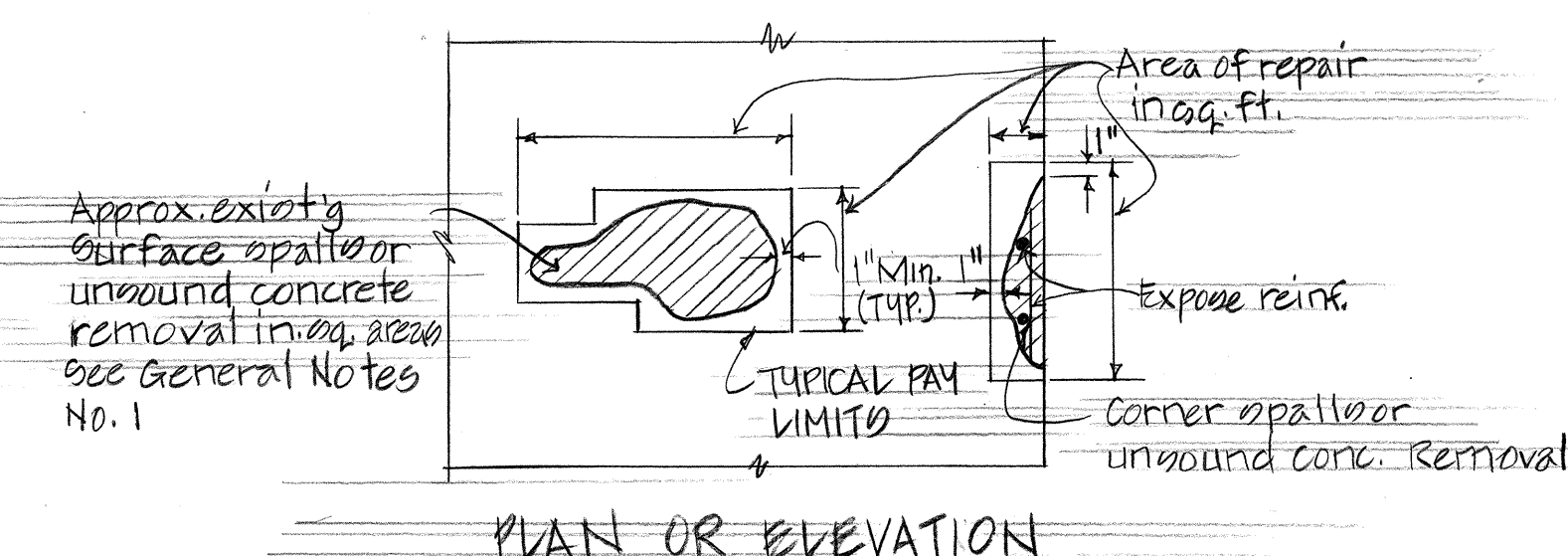
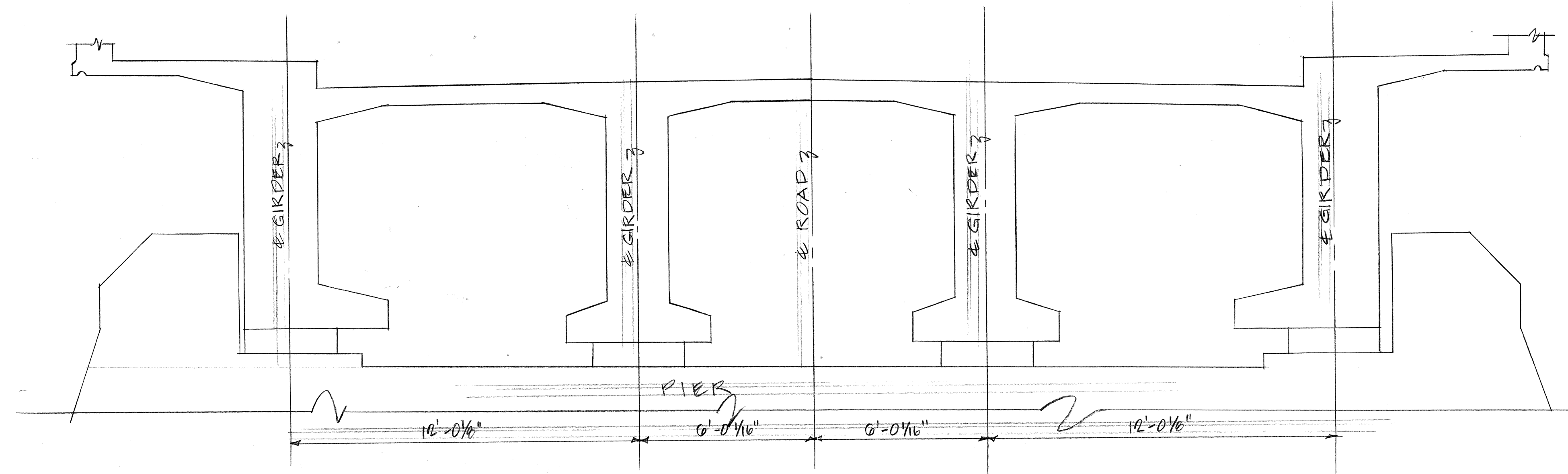
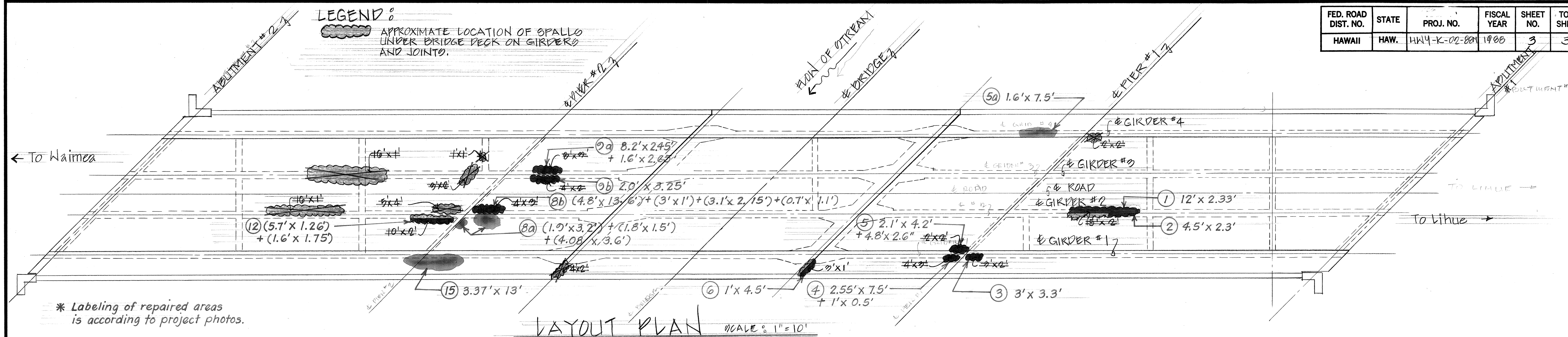


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-02-881	1988	3	3



GENERAL NOTES

REPAIR NOTES:

1. Face of exstg. concrete? Hatched area denotes approx. damaged area from which loose or unground concrete has been partially removed.

Limits of conc. removal or conc. patch (see detail sheet.)
Apply bonding agent immediately before placing mortar or conc.

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.
2. Provide min. 2" conc. cover over reinforcement or welded wire fabric. See specifications for welded wire fabric requirements.
3. Reinforcing bars that have rusted more than 25% of their original cross sectional area shall be strengthened as shown on Repair Splice Detail this sheet.
4. The Engineer shall determine all areas to be repaired & the limits of repair at each area.

INCIDENTAL ITEMS The following items shall be considered incidental to the various pay items of repairs & shall not be paid for separately.

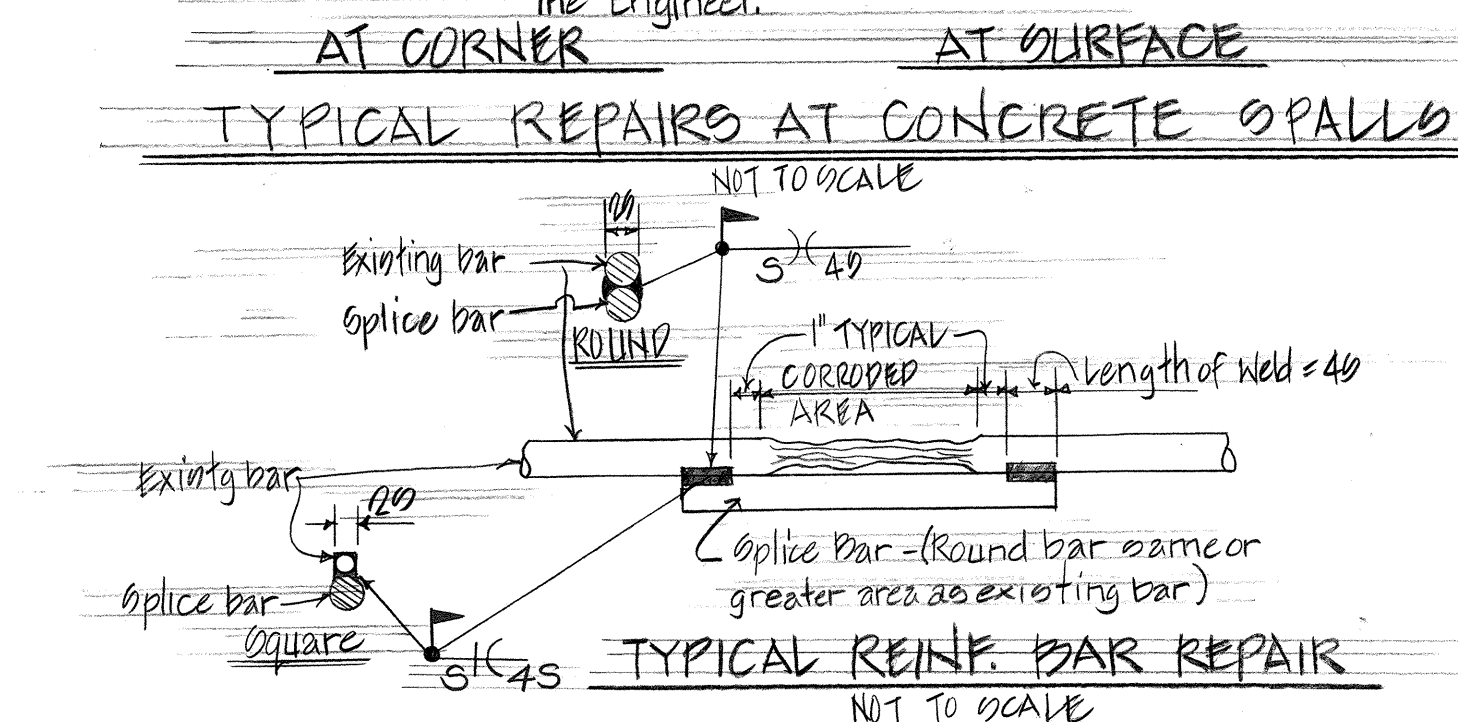
1. Expansion bolts & other miscellaneous hardware including hot-dipped galvanized and welded wire fabric.
2. Cleaning of all exposed corroded reinforcing steel to sound metal.

ELEVATION @ PIER CASE: m/b" = 1'-0"

3. Reinforcing bars of repair splice for strengthening corroded bars

GENERAL :

1. All reinforcing steel to be ASTM A 615 Grade 40
2. All welding shall be done in accordance with the Reinforcing Steel Welding Code AWS D12.1
3. Maintenance & control of traffic - see Special Provisions sub-section 10404 & sub-section 676.03(A)



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
HANALEI BRIDGE
REPAIR SPALLS ON CONCRETE GRIDERS
PROJECT NO. HWY-K-02-BEM
LAYOUT PLAN, MINOR DETAILS
AND GENERAL NOTES

SCALE AS SHOWN MAY 1988
SHEET No. OF SHEETS