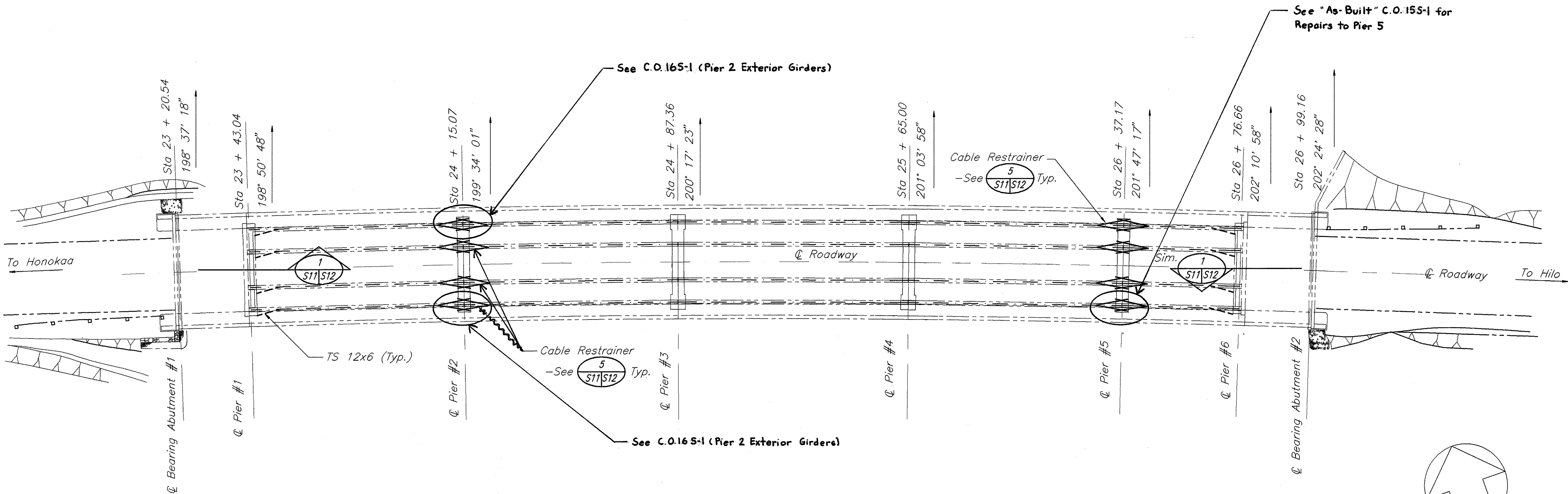


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(45)	1999	15	20



CABLE RESTRAINER & GIRDER LAYOUT

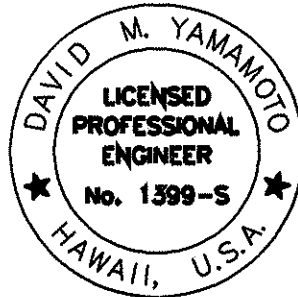
SCALE : 1"=20'

ESTIMATED QUANTITIES

Item No:	Item	Approx Quantity
501.0020C	Structural Steel	21000 lbs
655.0100C	Drilling Holes and Installing Dowels	155 Ea
656.0100C	Core Concrete (6")	74 lf
659.0100C	Cable Restrainer Units, Greased and Encapsulated	32 Ea

(N) New
(E) existing

DESIGNAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KUKAIAU BRIDGE-FRAMING PLAN

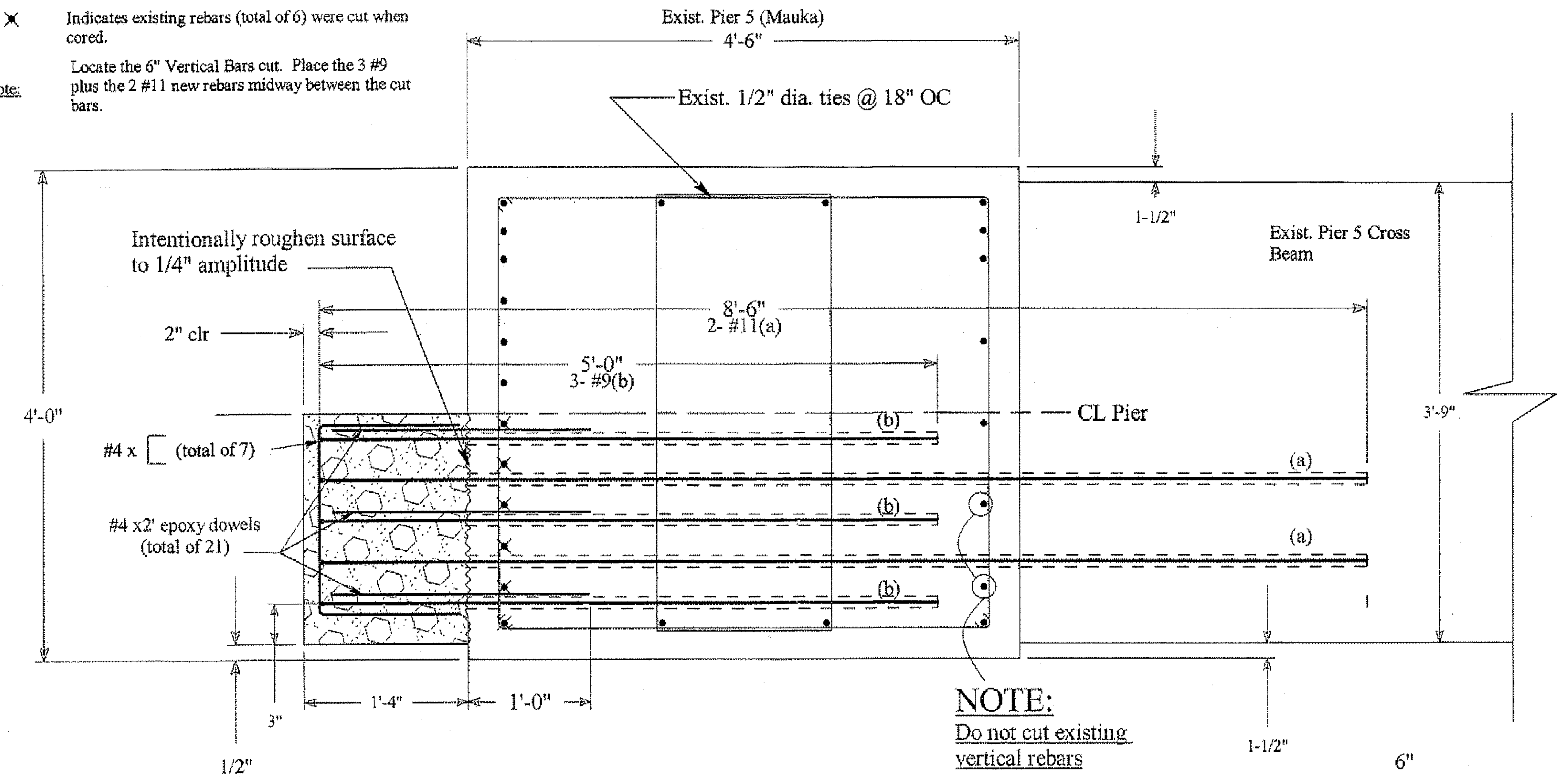
HAWAII BELT ROAD, SEISMIC RETROFIT OF VARIOUS BRIDGES,
VICINITY OF OOKALA
FEDERAL AID PROJECT NO. BR-019-2(45)
SCALE: AS NOTED
DATE: AUGUST 1998

SHEET No. 15 OF 16 SHEETS

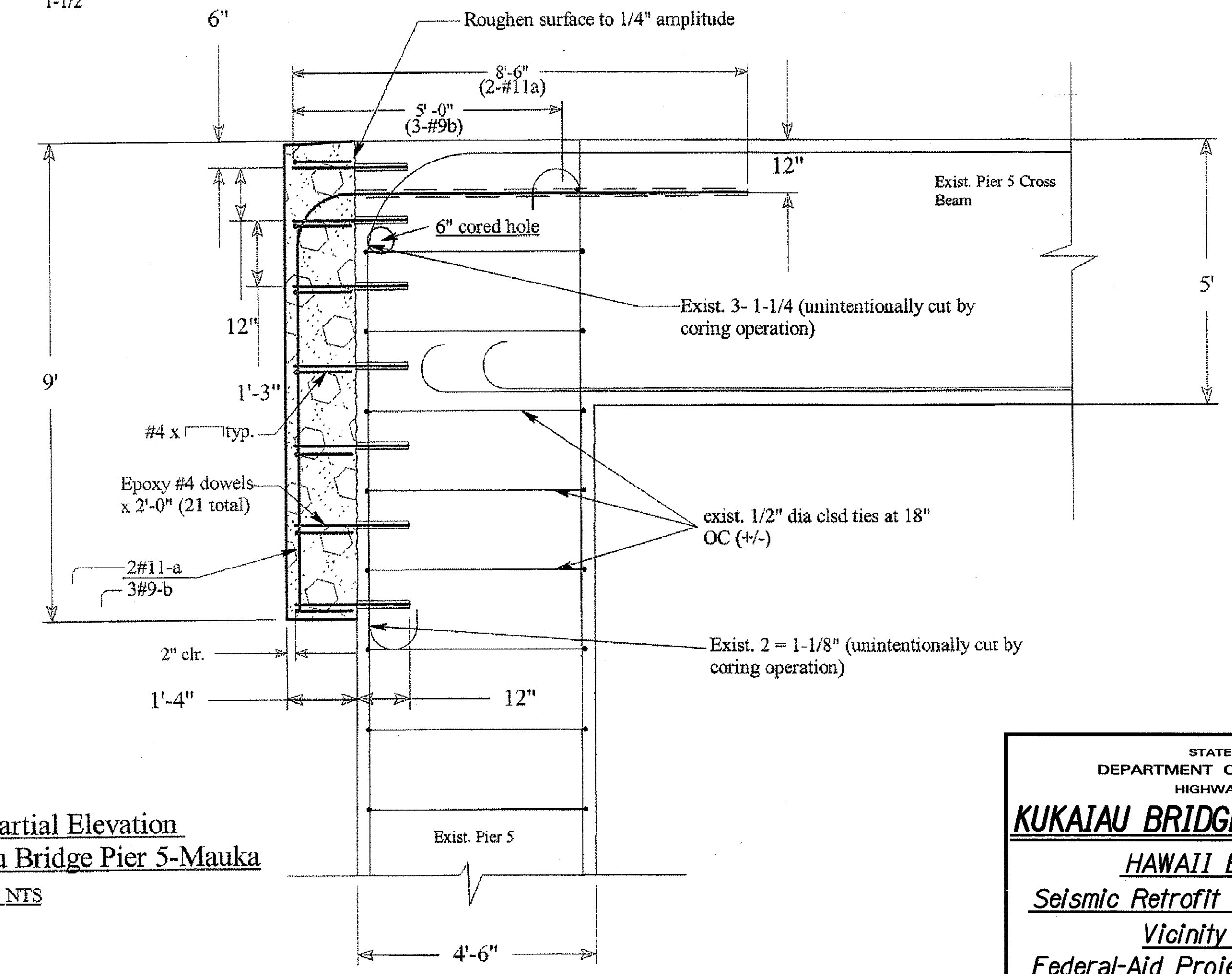
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(45)	1999	C.O. 15S-1	20

Legend

- ✕ Indicates existing rebars (total of 6) were cut when cored.
- Note: Locate the 6" Vertical Bars cut. Place the 3 #9 plus the 2 #11 new rebars midway between the cut bars.



PLAN DETAIL
Kukaiau Bridge - Pier 5 (Mauka)
Scale: NTS'



Partial Elevation
Kukaiau Bridge Pier 5-Mauka
Scale: NTS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KUKAIAU BRIDGE - FRAMING PLAN
HAWAII BELT ROAD
Seismic Retrofit of Various Bridges
Vicinity of Ookala
Federal-Aid Project No. BR-019-2(45)
Scale: Not to Scale Date: XX, 199X
SHEET No. S15S-1 OF 16 SHEETS

"AS-BUILT"

C.O. 15S-1

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
2	