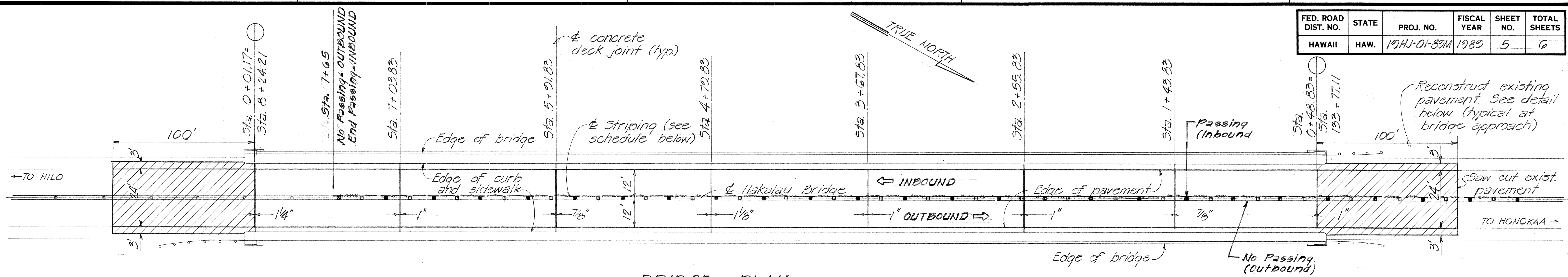
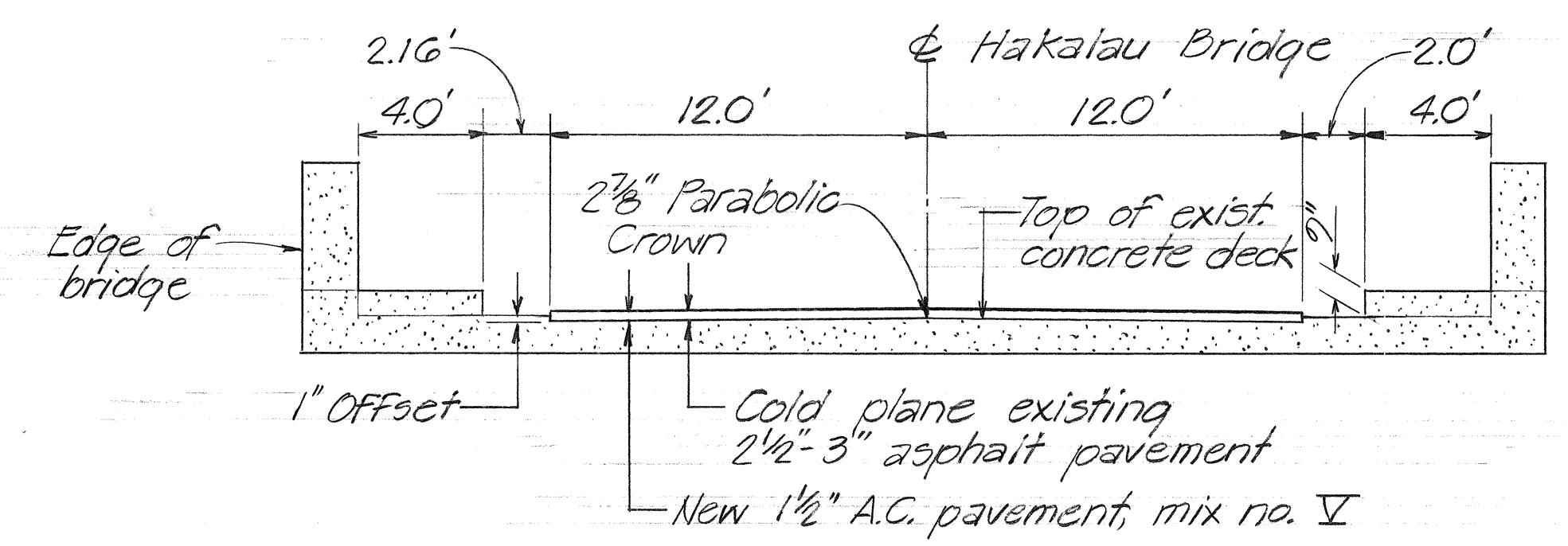


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19HJ-01-89M	1989	5	6



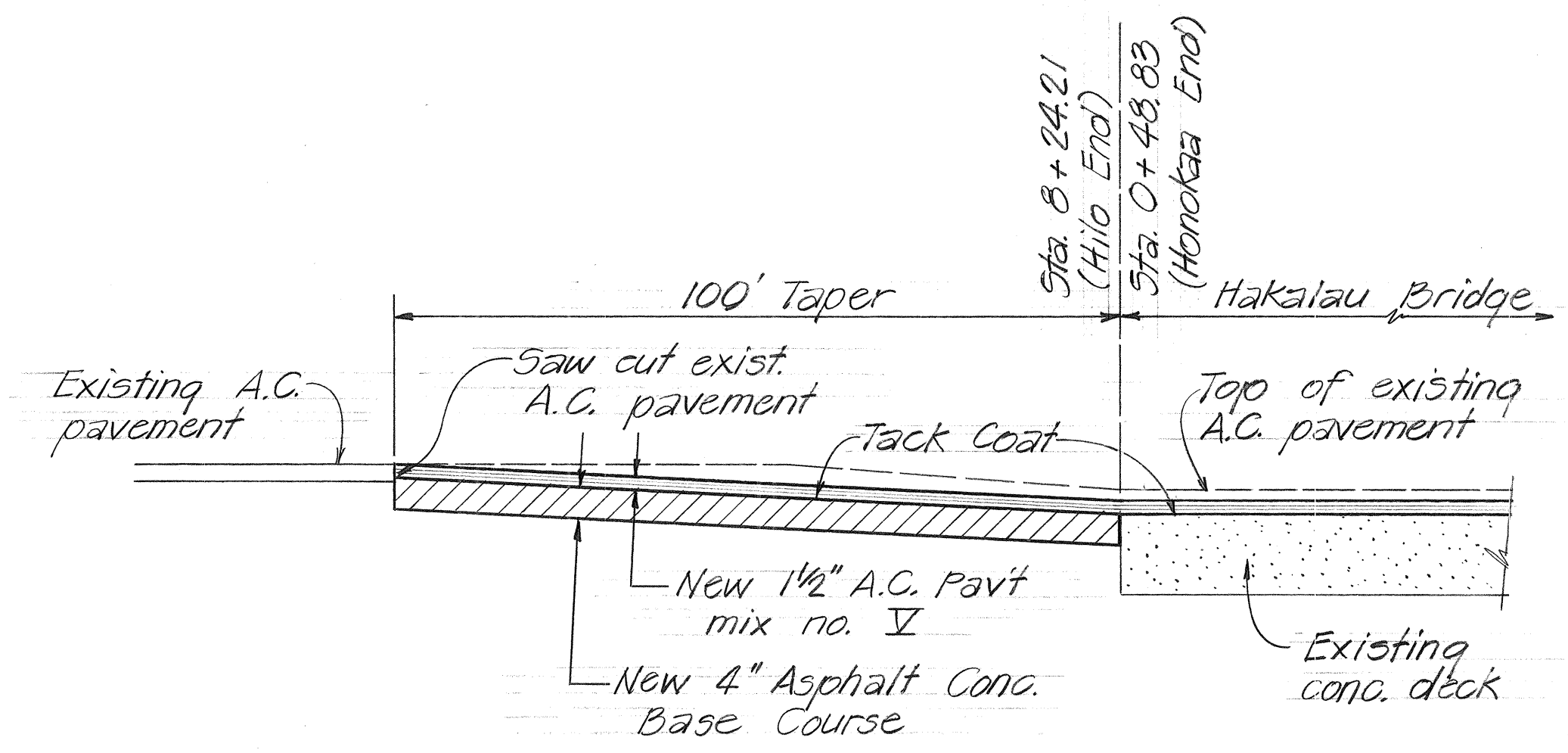
BRIDGE PLAN
Not to Scale



TYPICAL BRIDGE SECTION
Not to Scale

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	EST. QUANTITY	UNIT
301.0100	Asphalt Concrete Base Course	456160.40	Tons
401.0500	Asphalt Conc. Pavement, Mix V	231235.42	Tons
520.0300	Repairs to Expansion Joints	L.S.	L.S.
629.2040	Type "DL" Pavement Markers	137 54.00	Each
651.0100	Excavation for Reconstruction	102 141.11	C.Y.
652.100	Cold Plane Existing Pavement	2076 2412.20	S.Y.

PAVEMENT MARKER SCHEDULE						
PROJ. NO.	STATION		DESCRIPTION	TYPE		
	FROM	TO		DL	HL	J
SDR-3(13)	128 + 27.11	133 + 77.11	Passing-INBOUND	56	12	48
	131 + 47.11	0 + 48.83	No Passing-Both Sides	32	20	80
	133 + 77.11	0 + 48.83	"	32	20	80
	0 + 48.83	5 + 21	"	32	20	80
	5 + 21	7 + 71.01	"	32	20	80
	7 + 71.01	8 + 01.17	"	32	20	80
TOTALS				157	32	128



TYPICAL BRIDGE APPROACH DETAIL
Not to Scale

EXPANSION JOINT SCHEDULE *		
STATION	APPROX. OPENING	LENGTH#
8 + 24.21	1 1/4 in.	38 ft.
7 + 03.83	1 in.	38
5 + 21.83	7/8 in.	38
4 + 79.83	1 1/8 in.	38
3 + 67.83	1 in.	38
2 + 55.83	1 in.	38
1 + 43.83	7/8 in.	38
0 + 48.83	1 in.	38

* See Detail 5-55-G

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BRIDGE PLANS & DETAILS
HAKALAU BRIDGE
HAWAII BELT ROAD-VARIOUS BRIDGES
Repair Expansion Joints & Resurface Decks
Proj. no. 19HJ-01-89M
Not to Scale Date: Feb. 1989

SHEET NO. 1 OF 1 SHEETS