<u>GE</u>	NERAL NOTES FOR TRAFFIC CONTROL PLAN
1.	The Permittee Shall Make Minor Adjustments at Ramp Junctions, Bridges, Structures, Etc., to Fit Field Conditions.
2.	Cones or Delineators Shall be Extended to a Point Where They are Visible to Approaching Traffic.
3.	Traffic Control Devices Shall be Installed Such That the Sign or Device Farthest From the Work Area Shall be Placed First. The Others Shall Then be Placed Progressively Toward the Work Area.
4.	Regulatory and Warning Signs Within the Construction Zone that are in Conflict with the Traffic Control Plans Shall be Removed or Covered.
5.	Flaggers and/or Police officers Shall be in Sight of Each Other or in direct Communication at all Times.
6.	When Required by the Engineer, the Permittee Shall install a Flashing Arrow Signal as Shown on the Traffic Control Plans.
7.	Sign Spacings (L), Taper Lengths (T) and Spacing of Cones or Delineators Shall be as Shown in Table 1, Unless Otherwise Noted on the Traffic Control Plans.
8.	All Traffic Lanes Shall be a Minimum of 11 Feet Wide.

9. All Construction Warning Signs Shall be Promptly Removed or

BEGIN PROJECT

H-1 B Sta. 325+95 F.A.I. Project No. NH-H1-1(235)

6/23/981 = 200 9814-24

DATE: SCALE: FILE:

Covered Whenever the Message is not Applicable or not in Use.

10.	The Backs of All Signs Used for Traffic Control Shall be	
	Appropriately Covered to Preclude the Display of Inapplicable Sig	gn
	Messages (i.e., When Signs Have Messages on Both Faces).	

11.	At the End of Each Day's Work or as Soon as the Work is
	Completed, the Permittee Shall Remove all Traffic Control Devices
	no Longer Needed to Permit Free and Safe Passage of Public
	Traffic. Removal Shall be in the Reverse Order of Installation.

12. Replace Permanent Pavement Markings and Traffic Signs Upon Completion of Each Phase of Work.

ADDITIONAL NOTES FOR CONSTRUCTION PHASING PLAN

- Existing Conflicting Pavement Markings Shall be Removed and Temporary Markings Shall be Installed Before Traffic Patterns are Changed. After Completion of the Work, Temporary Markings Shall be Removed.
- 2. Lane Closures Shall Be Allowed to the Extent of Accomplishing Each Day's Work and Shall be Subject to the Approval of the Engineer.
- 3. Night Work is Not Mandatory Except for a Short Section of Ramp KO. However, Should the Contractor Choose to Work at Night to Expedite the Work, Such Work Shall be Performed From 7:00 PM to 5:00 AM. The Contractor Will be Responsible for Developing the Traffic Control Plan for Such Night Work Which Will be Subject to Approval by the State. Also, the Contractor Will Not be Entitled to Extra Compensation for his Election to Perform the Work at Night.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H1-1(235)	1999	30	84

TABLE I FOR TRAFFIC CONTROL PLAN								
Posted Speed	Sign Spacing (D) (Feet)	d Spacing (D) Taper Length (T) (Feet)		Longtitudinal Buffer	Spacing of Cones or Delineators (Feet)			
Limit (M.P.H.)		[®] W = 12' or Less	®W = Greater Than 12'	Space (B) (Feet)	Taper	Tangent	Work Area	
20	250	200	W×17	35	20	20	10	
25	250	200	W×17	55	25	25	10	
30	250	250	W×20	85	30	30	10	
35	250	250	W×20	120	35	35	10	
40	500	350	W×30	170	40	40	10	
45	500	550	W×45	220	45	45	10	
50	1000	600	W×50	280	50	50	10	
55	1000	700	Wx55	335	55	55	10	

No.2055-C

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Bujani D. Janaka

[®]W = Width of Lane, Shoulder or Offset

	4. (Cones and signs for Night Work Shall be Retroreflective.		
88/0	SCALE: NORTH			
: 04/20	200,		END PROJE	ECT 385+10
KE VISEU			F.A.I. Projec	385+10 t No. NH-H1-1(235)
	Ramp KO	Cane Haul Road		
14-7-	325 330 335 340	345 350 355 360 3	65	
-E	Ramp EH		370	
1	P. T. 94	Hoaeae Gro		
	H H at 340+ 340+	Separation	Structure	385
	Ramp 20+60 B Sta.			─Waikele Stream Bridge
	Kunia Interchange 발생 보 Improvement Project	LEGEND TO (O) TO		, ⁵ 0,
	F.A.I. Project No. IM-H1-1(219)	Construction Phase I (Shoulder Lane Construction)	LICENSED E	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
	BEGIN PROJECT	Construction Phase II (Resurfacing of H—1 Fwy. Inbound Lanes, Incl. Shoulders)	LICENSED PROFESSIONAL ENGINEER No. 2055-C	CONSTRUCTION PHASING PLA

Construction Phase Ⅳ (Resurfacing of Ramp KO)

Construction Phase III (Resurfacing of H—1 Fwy.
Outbound Lanes, Incl. Shoulders)

Date: Apr. 30, 1999

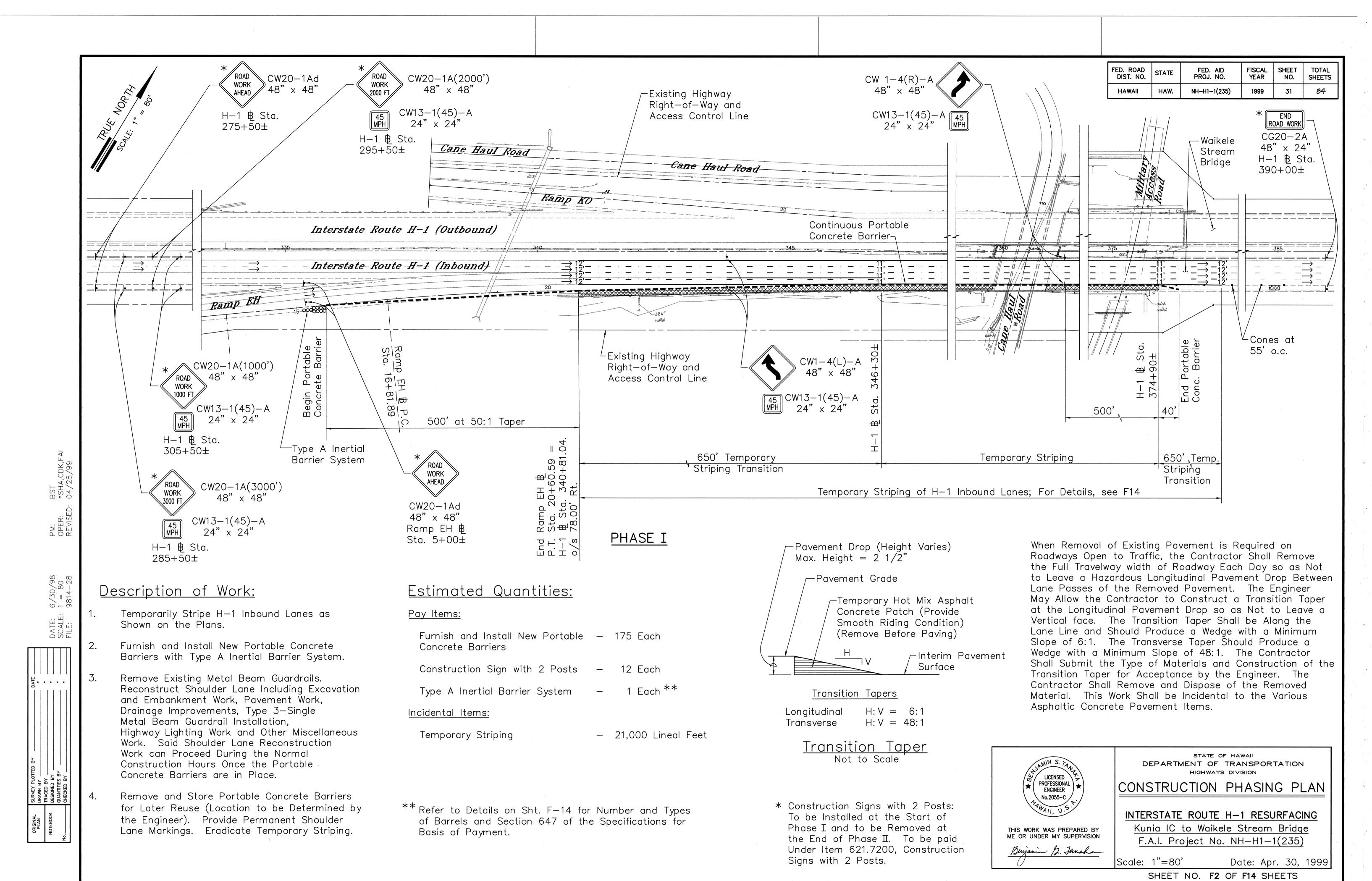
CONSTRUCTION PHASING PLAN

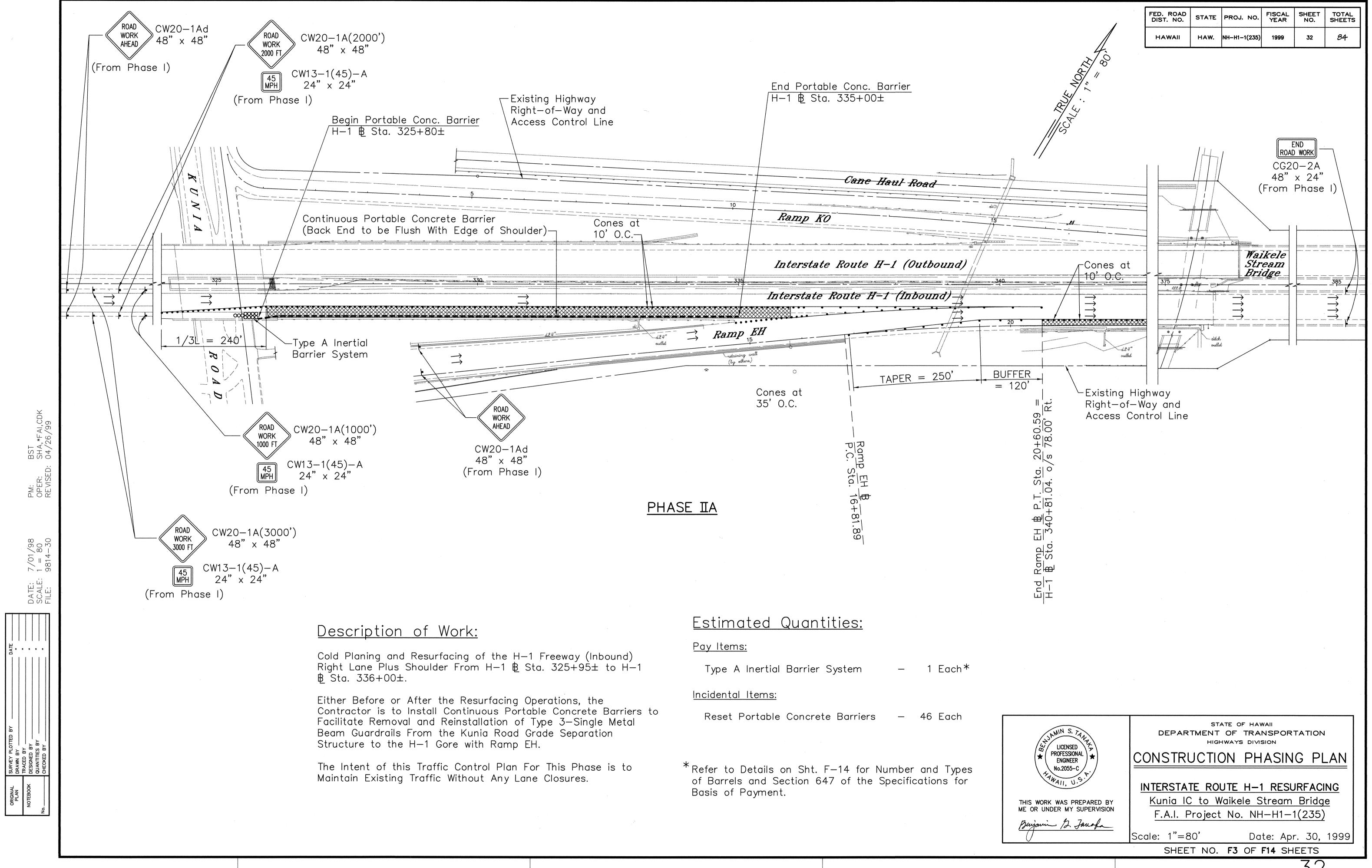
INTERSTATE ROUTE H-1 RESURFACING

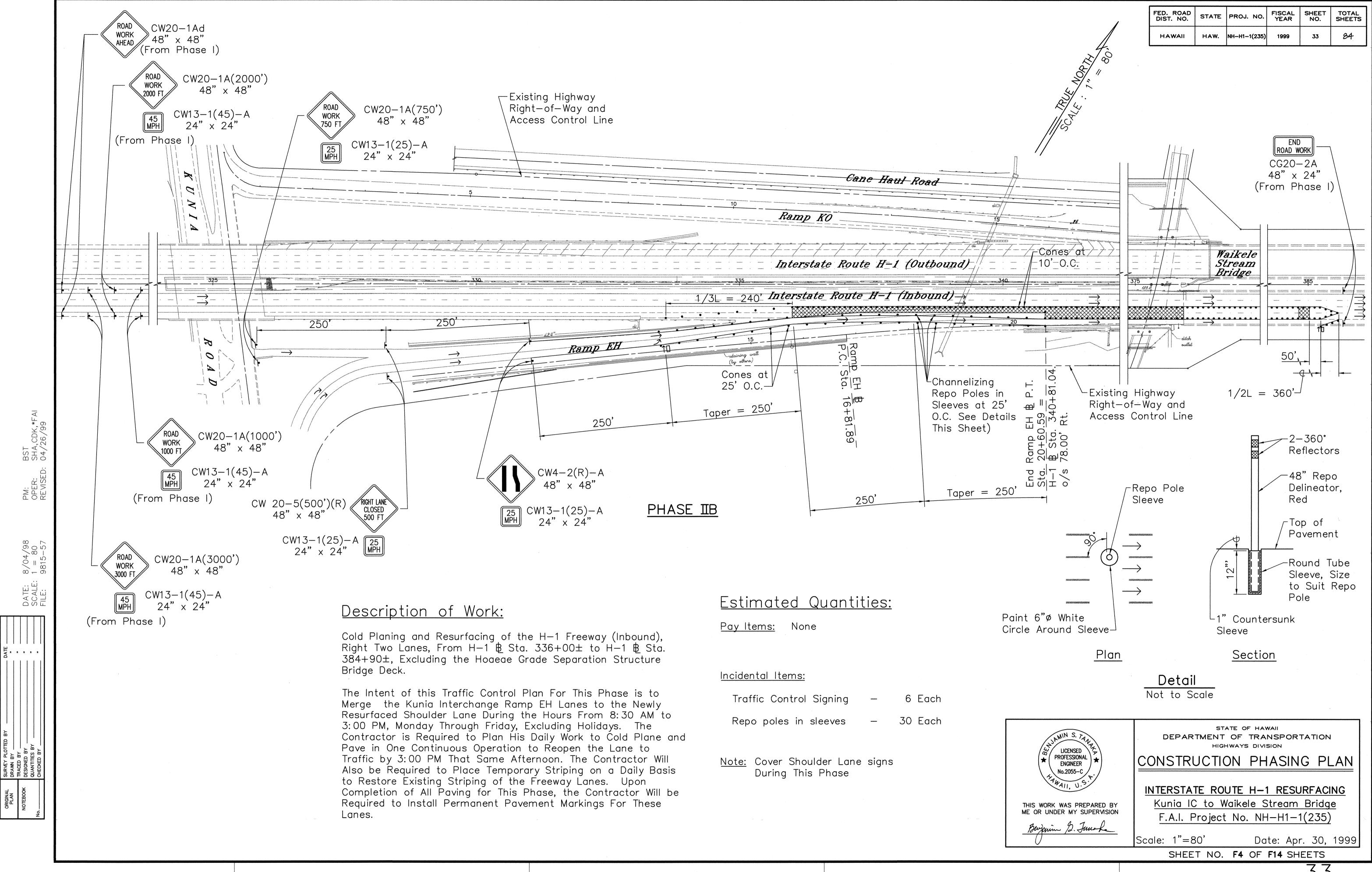
Kunia IC to Waikele Stream Bridge

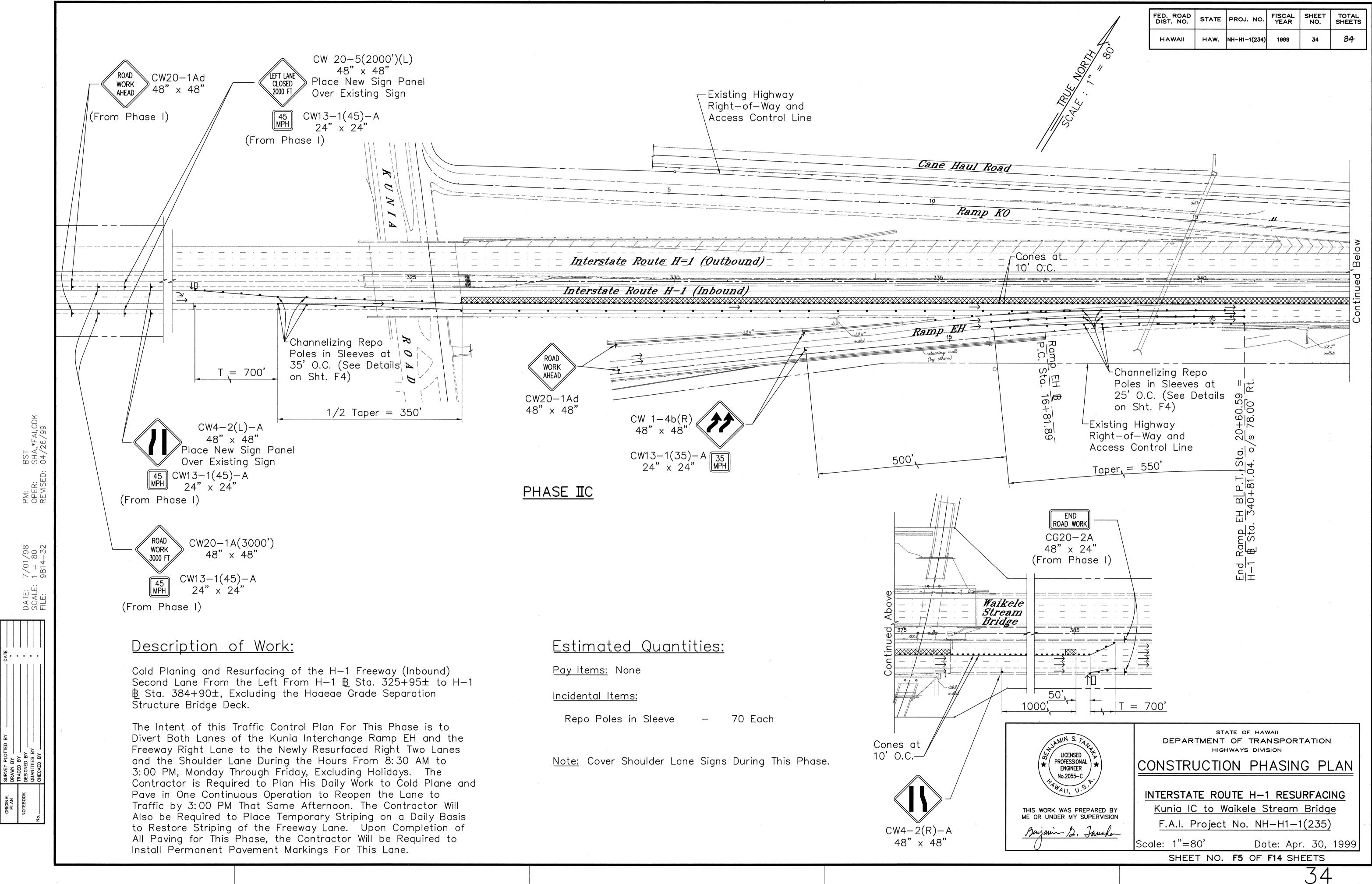
F.A.I. Project No. NH-H1-1(235)

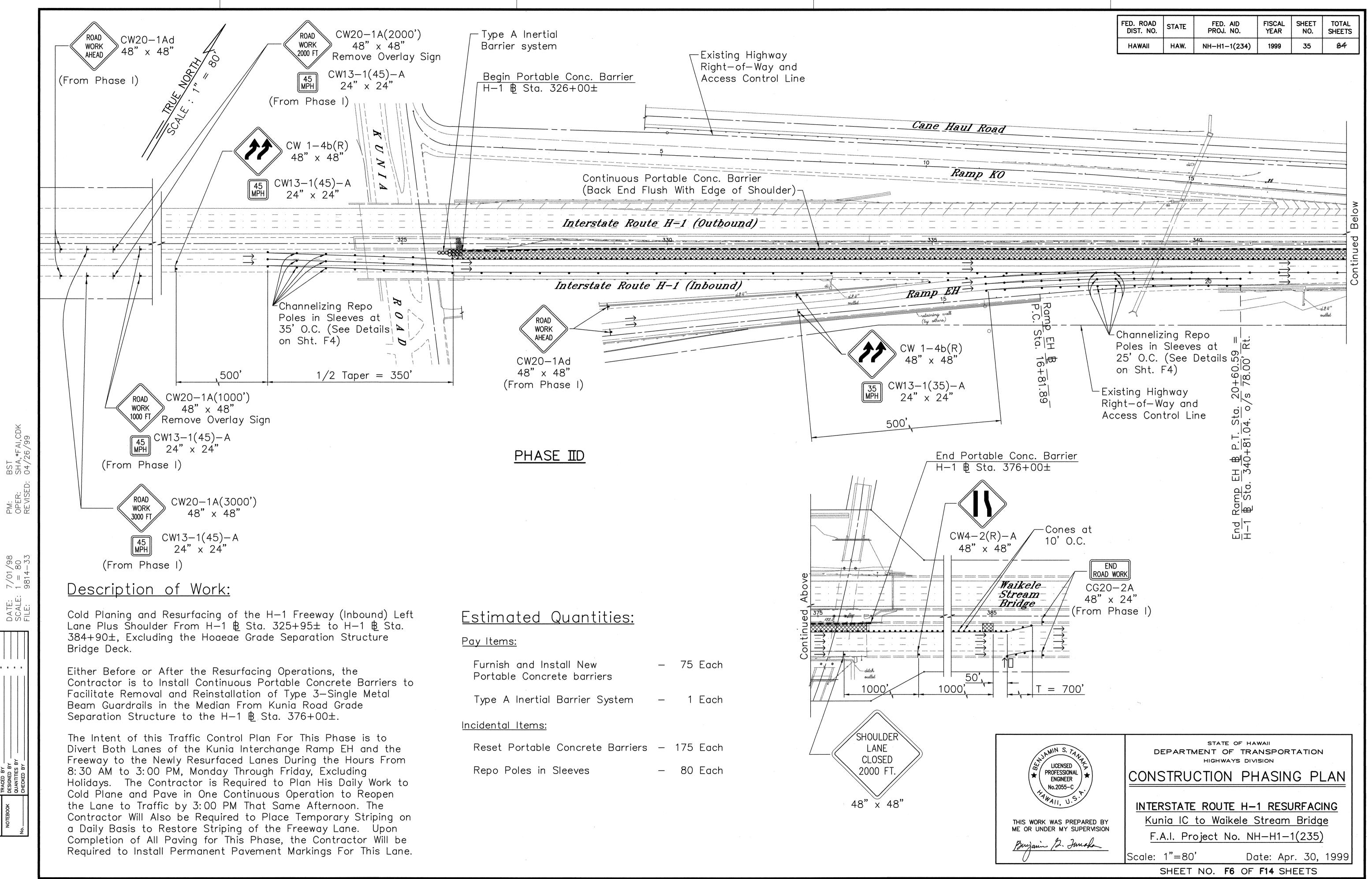
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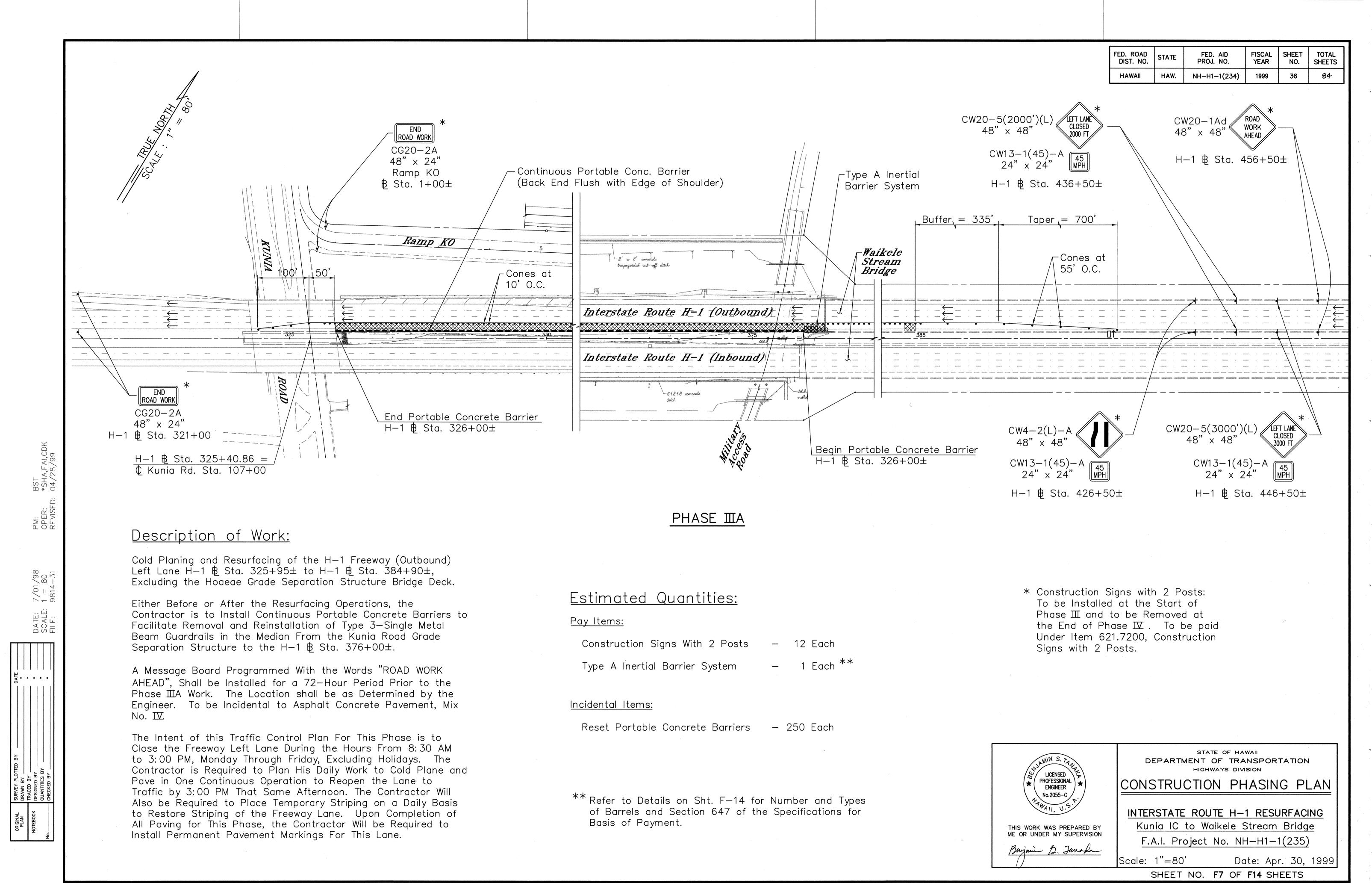


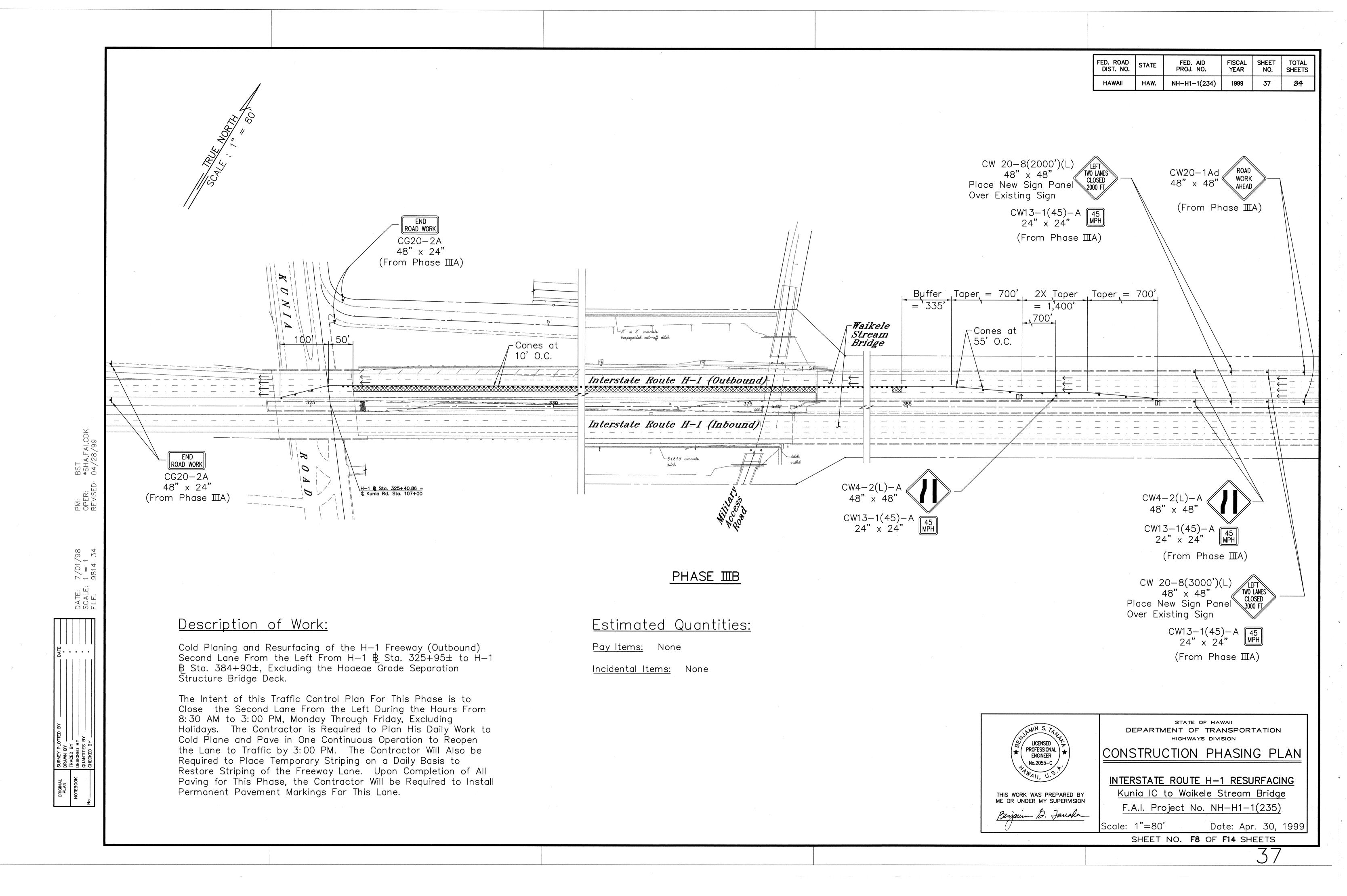


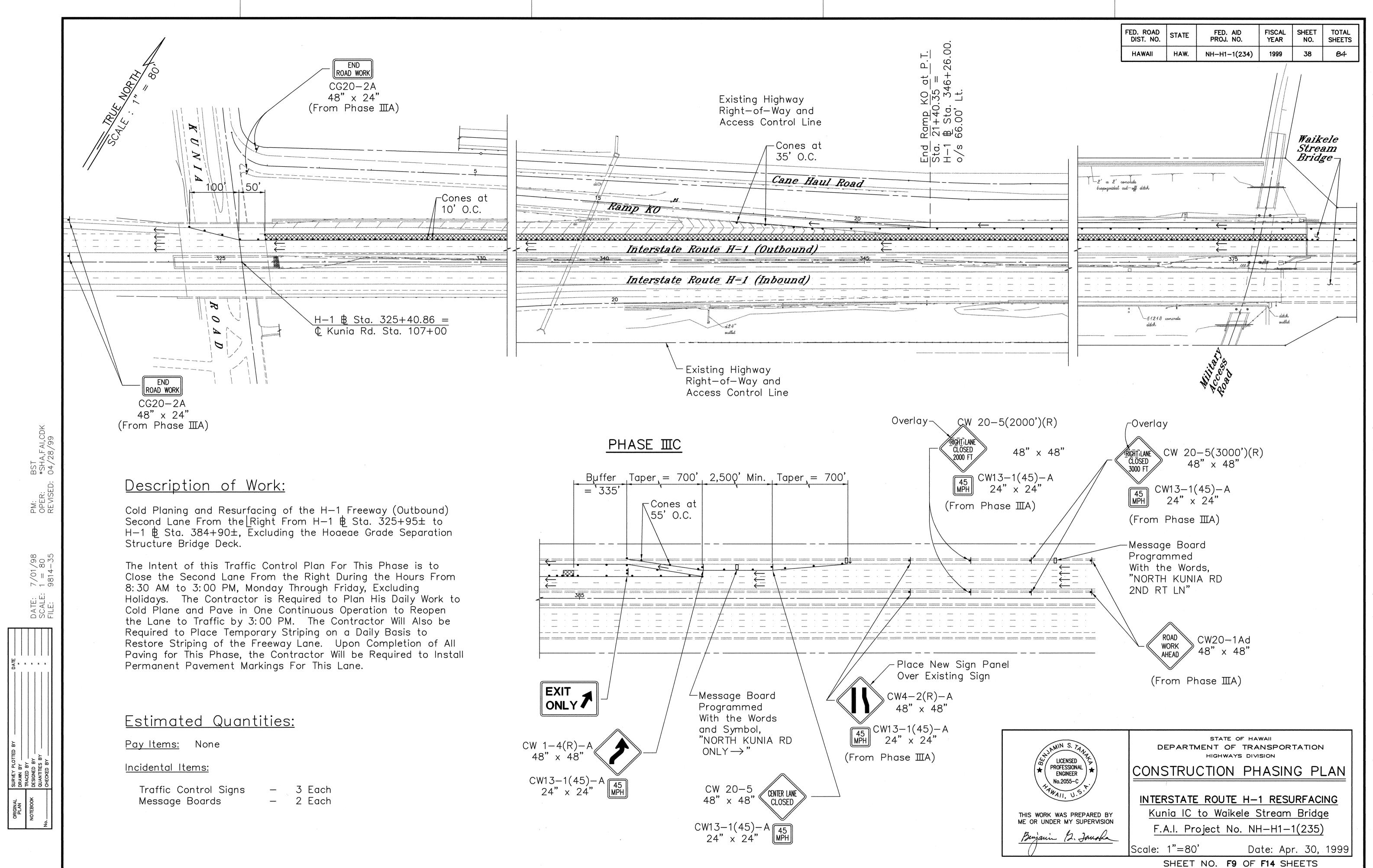


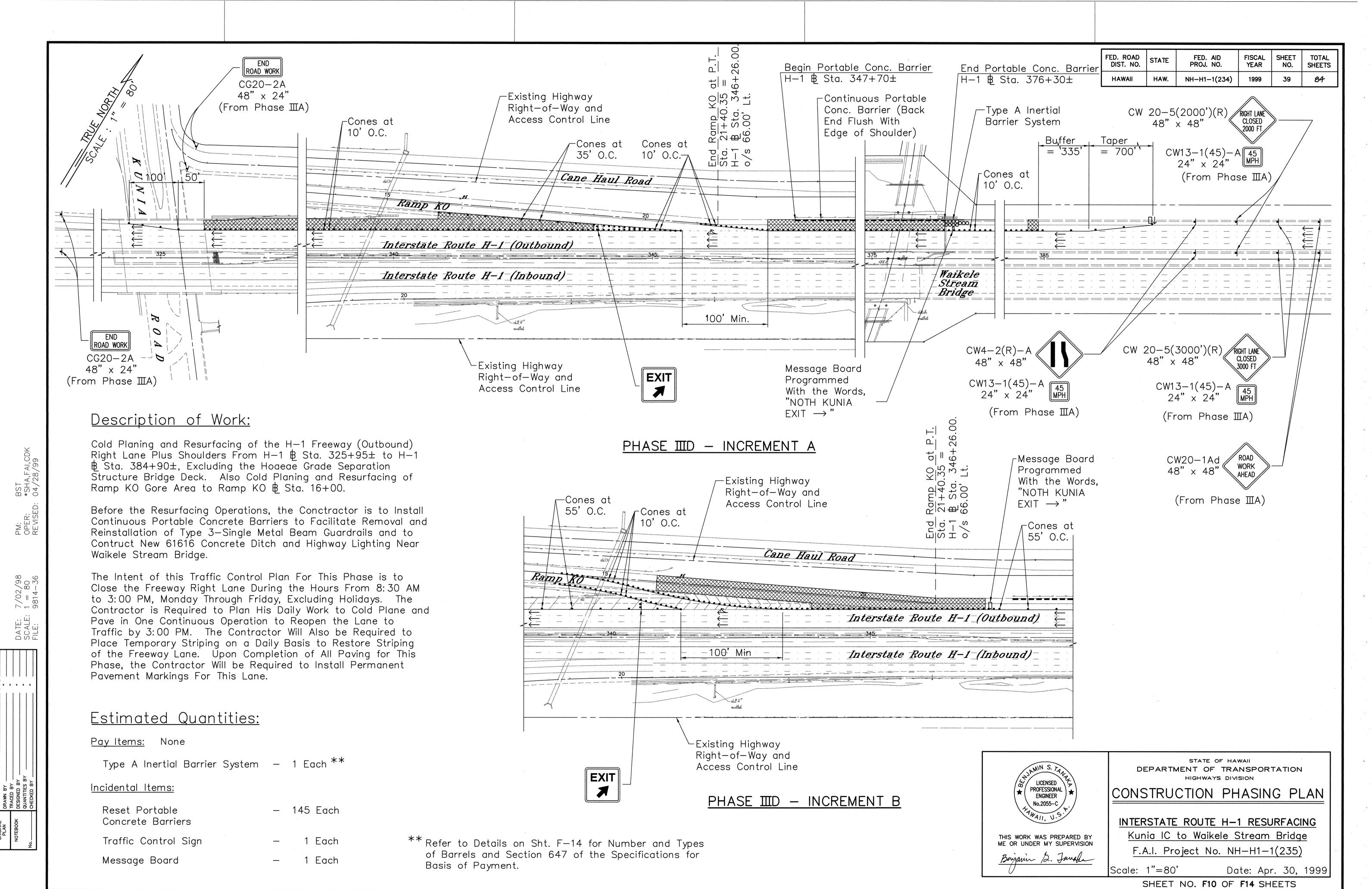


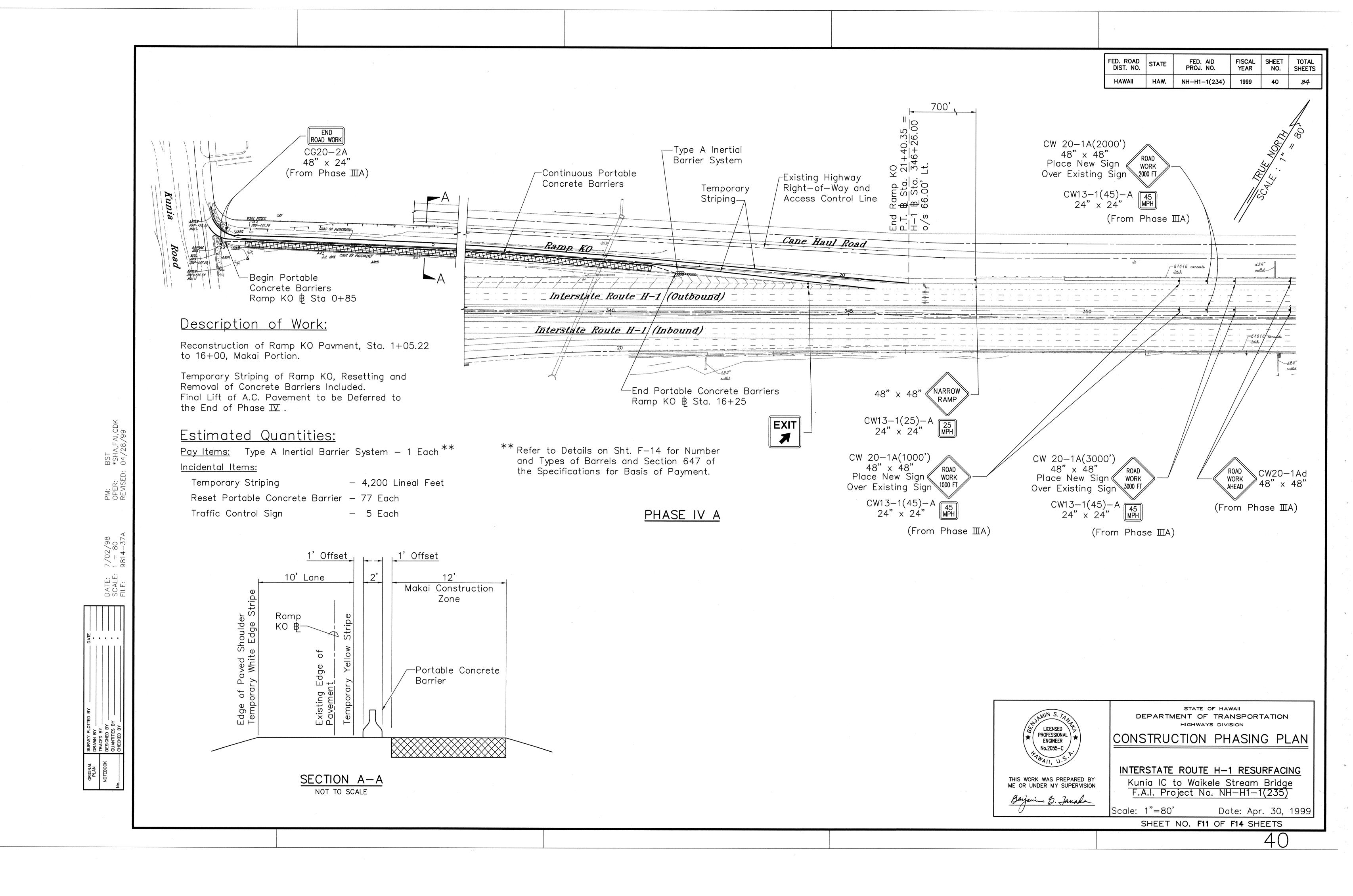


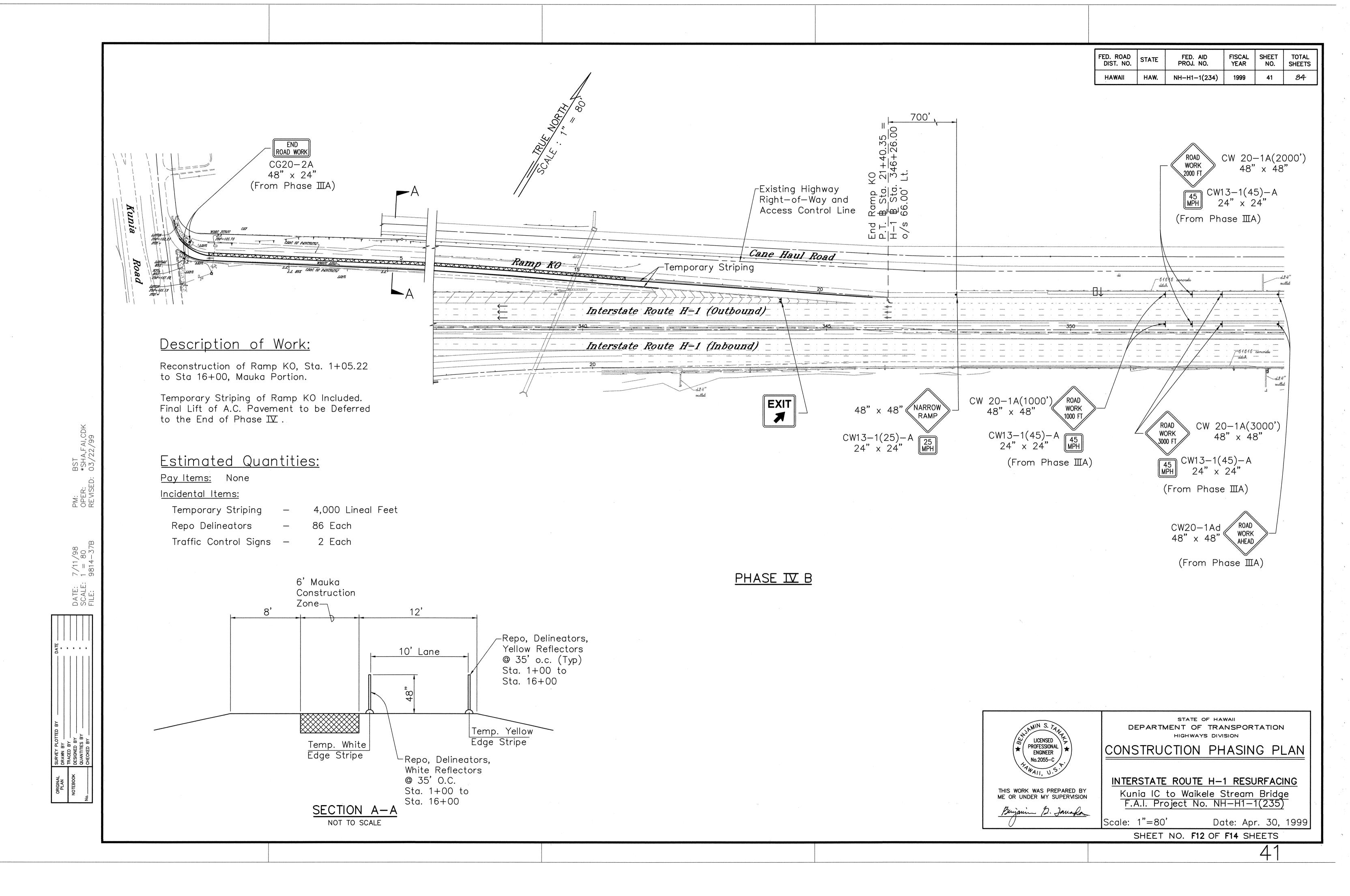


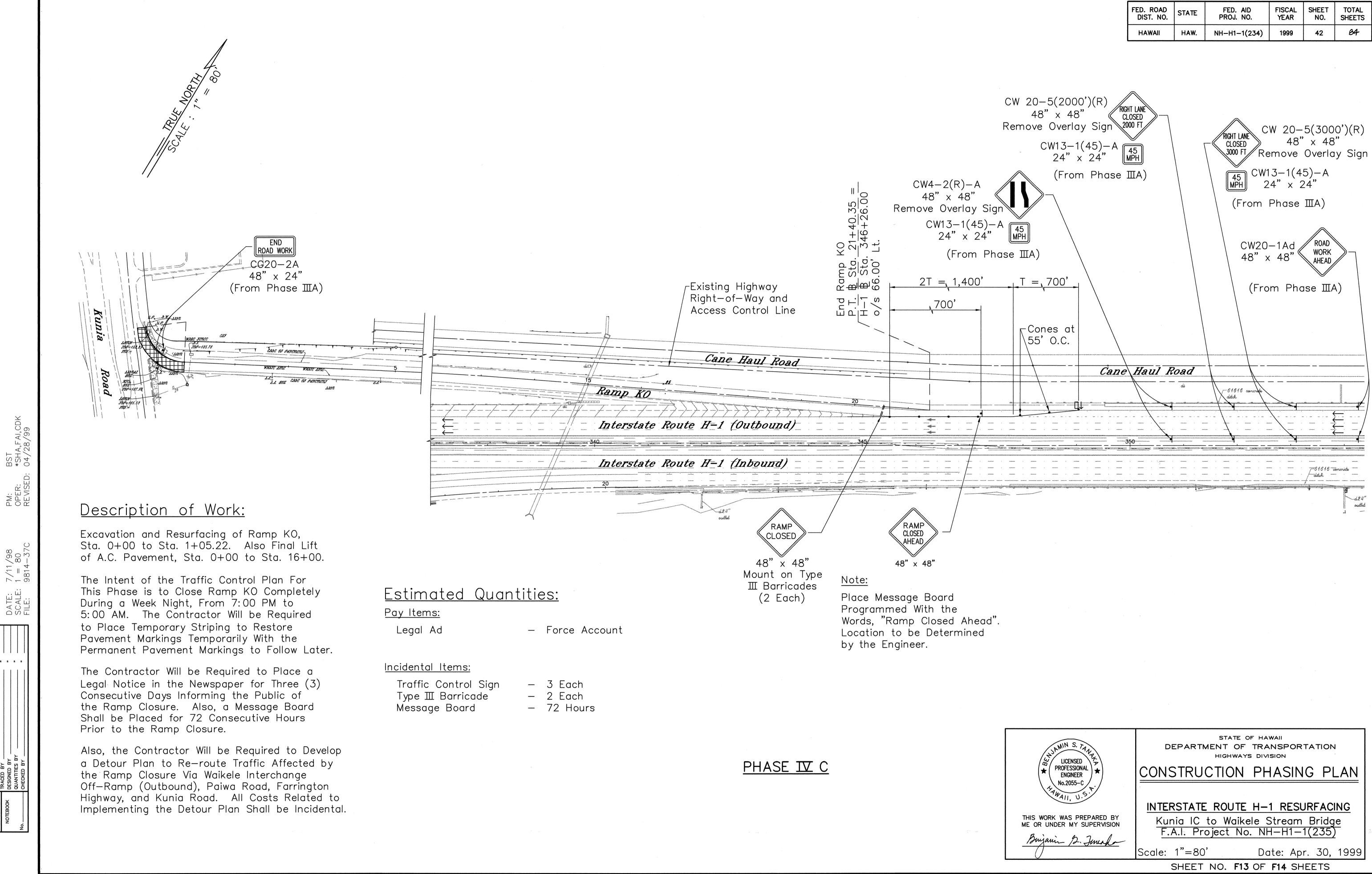












TEMPORARY STRIPING NOTES:

- 1. Temporary Striping Shall Progress in the Following Manner in Compliance With the State's Standard Traffic Control Plans:
 - a. Left Lane Closed

Follow Multi-lane Divided Highway - One Lane Closed, Figure 4 — Traffic Control Plan.

b. Left Center Lane Closed

Follow Multi-lane Highway - Center Lane Closed, Figure 5 — Traffic Control Plan.

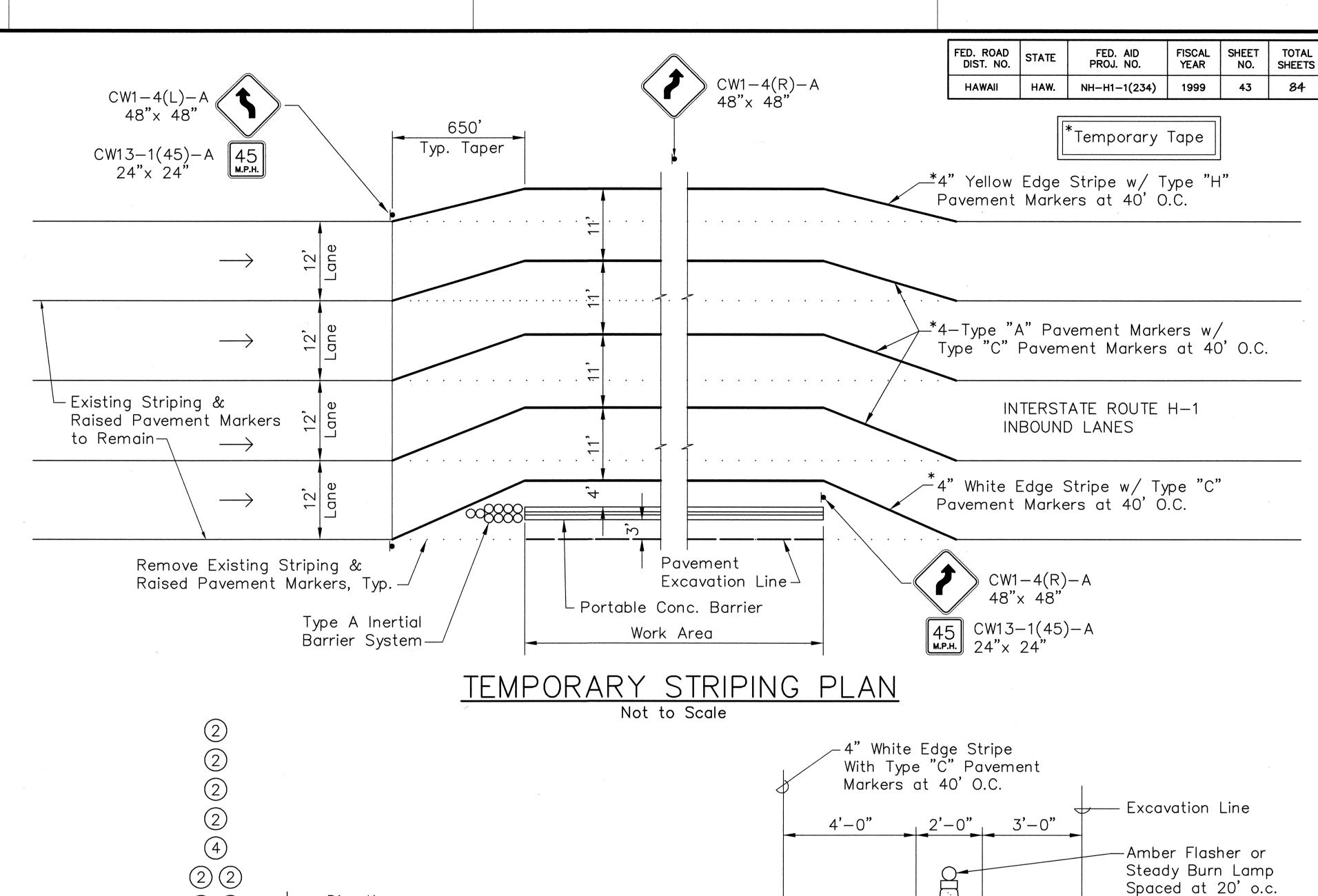
c. Right Center Lane Closed

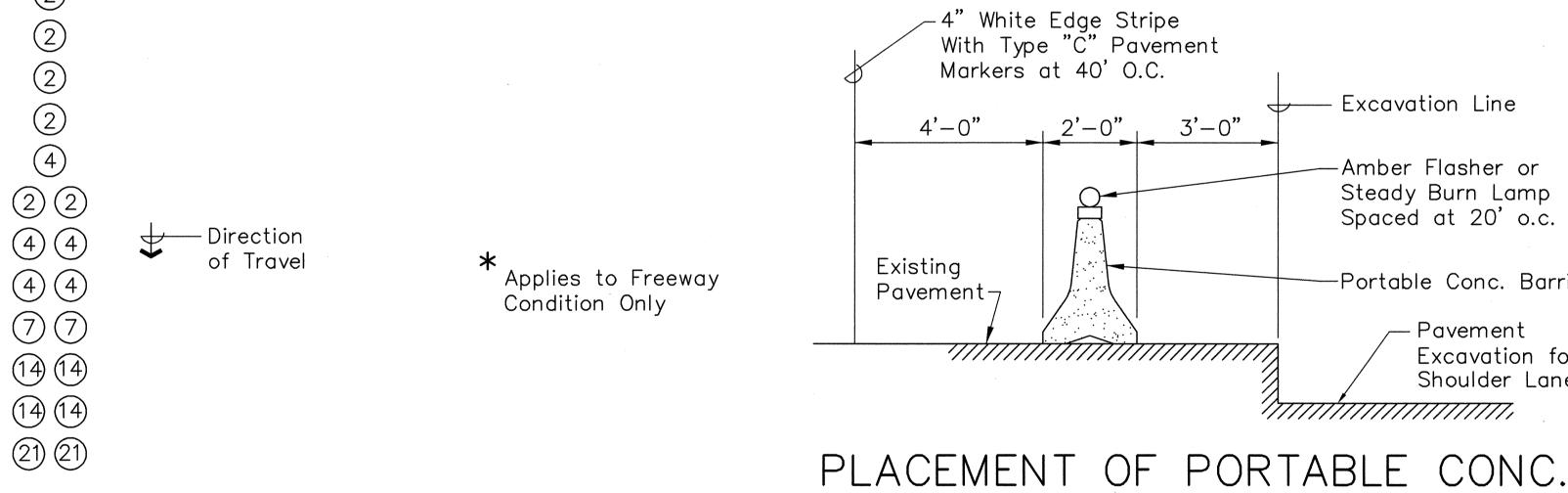
Follow Multi-lane Highway - Center Lane Closed, Figure 5 - Traffic Control Plan.

d. Right Lane Closed

Follow Multi-lane Highway - One Lane Closed, Figure 4 — Traffic Control Plan.

- 2. Lane Closures For Temporary Striping Work Will Be Permitted From 8:30 AM to 3:00 PM, Monday to Friday, Excluding Holidays.
- 3. Multi-lane Closures Will Not be Permitted During Temporary Striping Operations.
- 4. A Message Board Programmed With the Words "ROAD WORK AHEAD", Shall be Installed For a 72-Hour Period Prior to the Temporary Striping Operations. The Location Shall be as Determined by the Engineer. To be Incidental to Asphaltic Concrete Pavement, Mix No. IV
- 5. A Minimum of Two Police Officers Shall be Present During the Entire Temporary Striping Operations.
- 6. Unless Otherwise Indicated For Portable Concrete Barriers, All Work Related to Temporary Striping Shall be Incidental to Asphaltic Concrete Pavement, Mix No. IV.





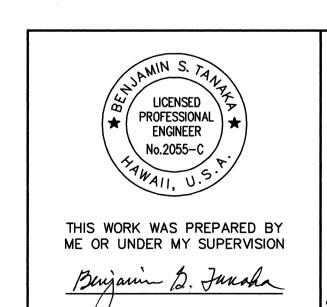
TYPE A (70 MPH)

<u>Notes:</u>

- 1. Contractor to Install System Per Manufacture's Recommendation.
- 2. Numbers Indicate Pounds of Sand in Hundreds.
- 3. Refer to Section 647 of the Specifications for Basis of Payment

INERTIAL BARRIER SYSTEM LAYOUT

Not to Scale



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

-Portable Conc. Barrier

Pavement

Excavation for

Shoulder Lane

HIGHWAYS DIVISION CONSTRUCTION PHASING DETAILS & NOTES

INTERSTATE ROUTE H-1 RESURFACING Kunia IC to Waikele Stream Bridge F.A.I. Project No. NH-H1-1(235)

Scale: As Shown

BARRIER DURING ALL HOURS*

Not to Scale

Date: Apr. 30, 1999 SHEET NO. F14 OF F14 SHEETS