

SUMMARY ~ GUARDRAIL CONNECTIONS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1(204)	1987	6	97

LOCATION NO.	NAME OF LOCATION	GUARDRAIL, TYPE 3		
		THRIE BEAM	SINGLE W/RUB RAIL ON STEEL POST	SINGLE W/ STEEL POST
	<u>EASTBOUND</u>			
①	Kalihi I.C. @ H-1 & Kalihi St. Overpass	31.3 25		
②	Kalihi I.C. @ Kalihi St. to H-1 Ramp Ped. O.P.			25
③	Houghtailing Sep. Approach End	31.3 25		
④	Kapalama Canal Bridge Approach End	31.3 25		
⑤	Approach End of Exist. Ret. Wall	31.3 25		
⑥	Liliha Access Sep. Approach End	31.3 25		
⑦	Liliha Sep. Approach End	31.3 25		
⑧	Aala St. Ext. Sep. Approach End	31.3 25		
⑨	Nuuanu Stream Bridge Approach End	31.3 25		
⑩	Pali Hwy., Overpass Approach End	31.3 25		490
⑪	Pali - Lunalilo H-1 E.B. Overpass (Retrofit)			
⑫	Pali - Lunalilo Overpass Approach End	31.3 25		
⑬	Queen Emma Sep. Approach End	31.3 25		
⑭	Punchbowl - Pali Hwy., Ramp Struct. App. End	31.3 25		275 290
⑮	Kinau St. Off-Ramp @ Approach End of Barrier	31.3 25		
⑯	Vineyard to H-1 E.B. Structure East Abut.		25	
⑰	Ward Ave. Sep. @ Exist. G.R. Connection		25	
⑱	Ward Ave. to H-1 E.B. Ramp @ Exist. G. R. Conn.		25	
⑲	Exist. G.R. Connection on Barrier Railing	31.3 25		
⑳	Univ. H-1 E.B. Ramp @ Exist. Lt. Std. Foundation.	31.3 25		
㉑	Manoa I.C. Univ. Ave. to H-1 E.B. Ramp App. End	31.3 25		188 170
㉒	Manoa I.C. Univ. Ave. to H-1 E.B. Ramp App. End	31.3 25		37 80
㉓	Univ. Ave. Sep. Approach End	31.3 25		557 610
㉔	Kalo Lane Sep. Approach End	31.3 25		
㉕	Beg. of King St. Off Ramp Barrier	31.3 25		
㉖	Old Waialae Rd. Sep. Approach End	31.3 25		

LOCATION NO.	NAME OF LOCATION	GUARDRAIL, TYPE 3		
		THRIE BEAM	SINGLE W/RUB RAIL ON STEEL POST	SINGLE W/ STEEL POST
	<u>WESTBOUND</u>			
㉗	Kalo Lane Sep. Approach End	31.3 25		
㉘	Univ. Ave. Sep. Approach End	31.3 25		
㉙	Near Vineyard Blvd. W.B. Struct. @ Exist. G.R. Conn.		25	
㉚	Pali Hwy. Off Ramp @ End of Exist. Ret. Wall		25	
㉛	Punchbowl to Pali Hwy. Ramp Struct. App. End	31.3 25		
㉜	Pali Hwy. Overpass Approach End	31.3 25		306 300
㉝	Nuuanu Ave. Sep. Approach End	31.3 25		
㉞	School St. Off Ramp @ End of Exist. Ret. Wall	31.3 25		
㉟	Nuuanu Stream Bridge Approach End	31.3 25		
㊱	Aala St. Ext. Sep. Approach End	31.3 25		
㊲	Liliha Sep. Approach End	31.3 25		
㊳	Liliha Access Sep. Approach End	31.3 25		
㊴	Palama St. Off Ramp Ret. Wall (Retrofit)			
㊵	Kapalama Canal Bridge Approach End	31.3 25		
㊶	Houghtailing Sep. Approach End	31.3 25		
㊷	Kalihi I.C. @ H-1 & Likelike Hwy. to H-1 E.B. O.P.	31.3 25		
TOTAL		825 L.F.	125 L.F.	1,965 L.F.
		1,064.2		

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

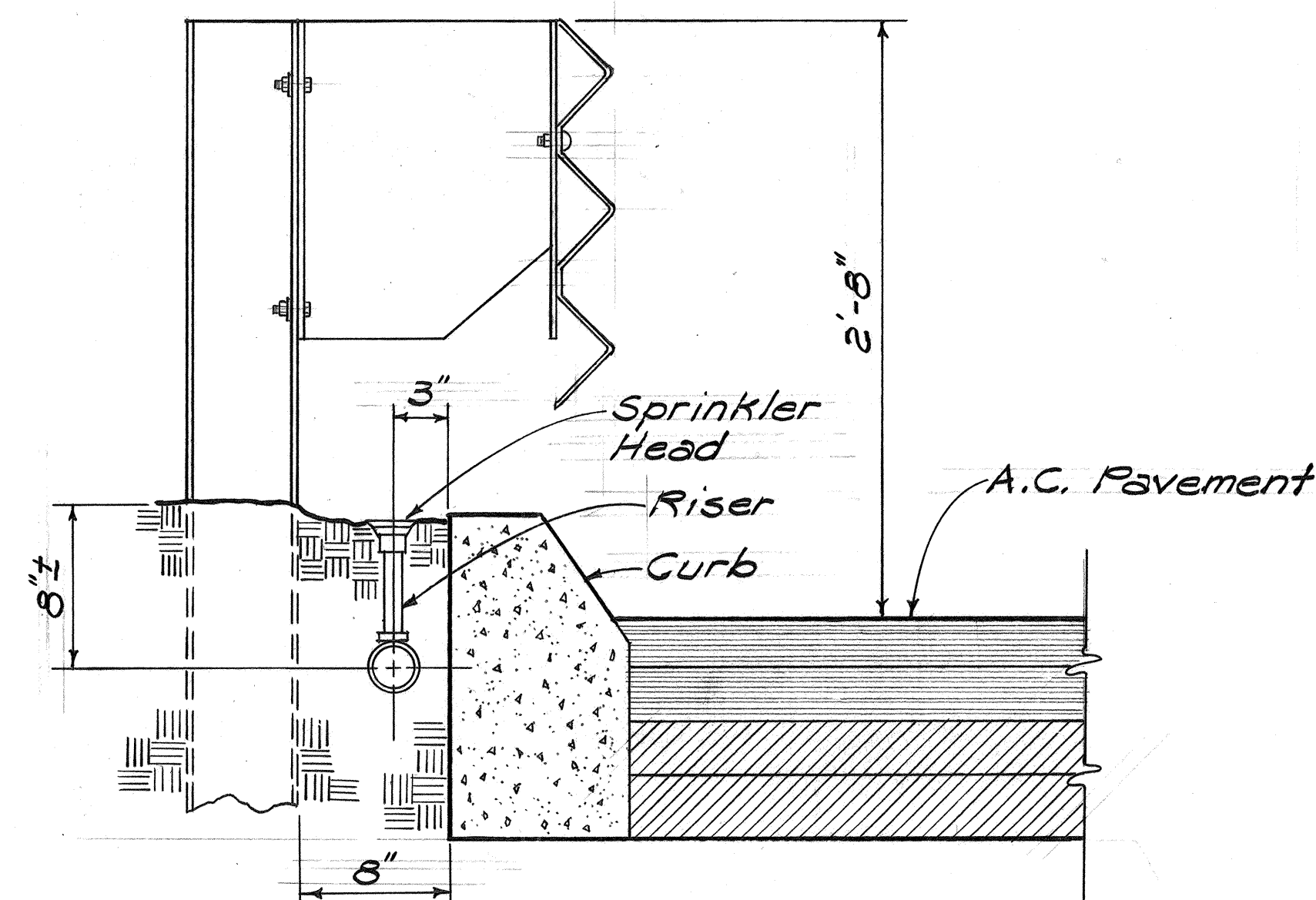
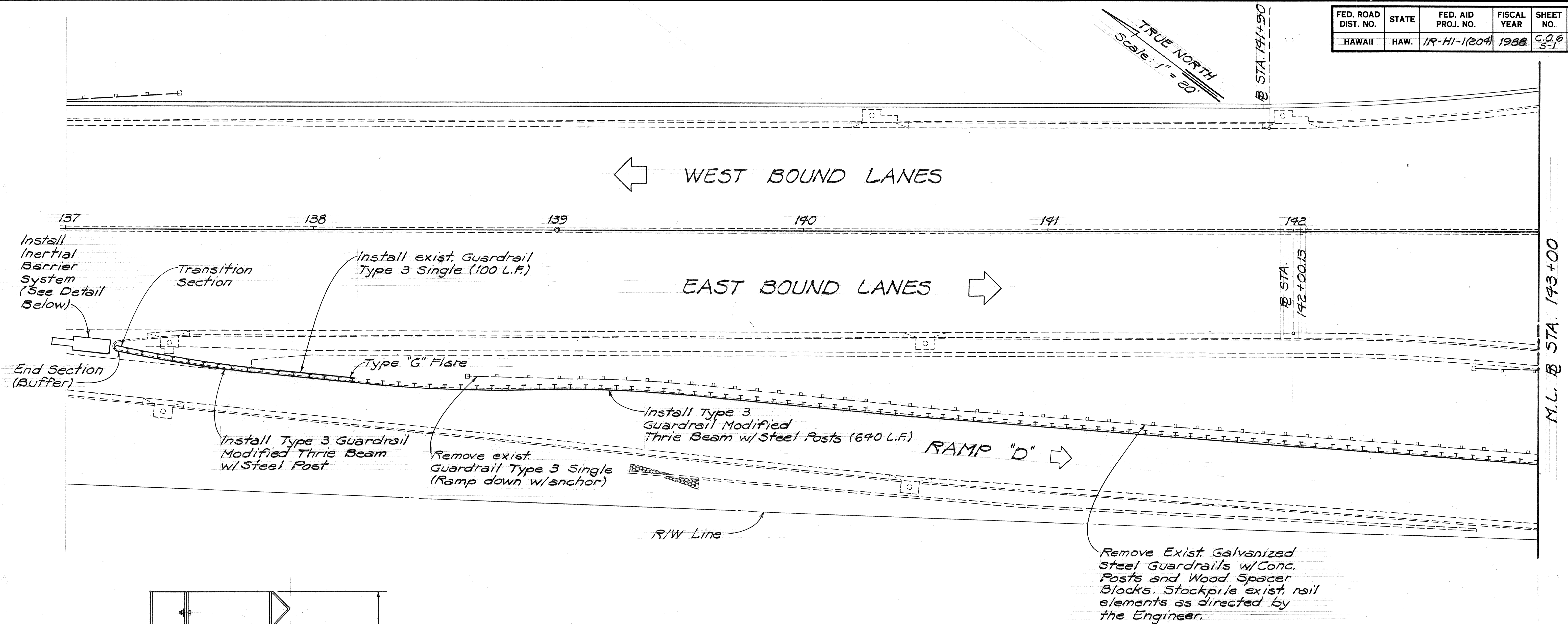
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SUMMARY~
GUARDRAIL CONNECTIONS

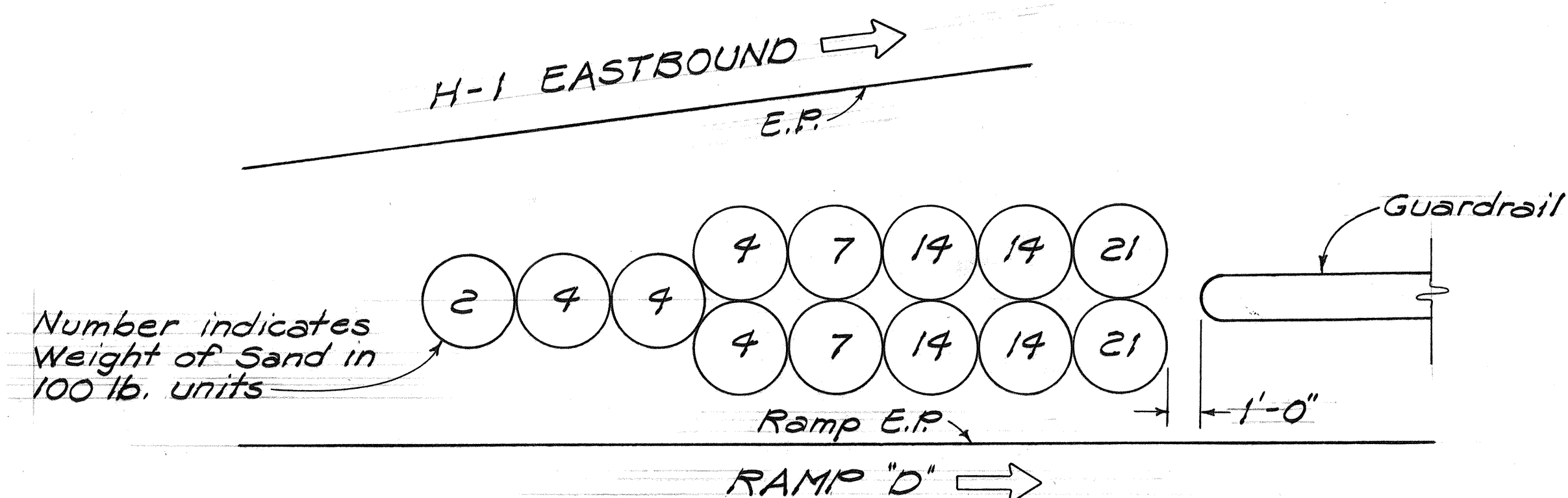
INTERSTATE RTE. H-1 RESURFACING
Middle Street to Ainakoa Avenue
F.A.I. PROJECT NO. 1R-HI-1(204)
Date: Feb., 1987

SHEET NO. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(204)	1988	C.O. 6 S-1	27



TYPICAL DETAIL OF GUARDRAIL AT CONCRETE CURB
Not to Scale



INERTIAL BARRIER SYSTEM
Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN & DETAILS

INTERSTATE RTE. H-1 RESURFACING
MIDDLE STREET TO AINAKOA AVENUE

F.A.I. PROJECT NO. IR-HI-1(204)

Scale: As Shown Date: Feb, 1987

SHEET NO. 1a OF 21 SHEETS