

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(65)	1992	2	309

SHEET SHEET NO. TITLE

GENERAL

1	G1	TITLE SHEET
2	G2	LIST OF PLANS - 1
3	G3	LIST OF PLANS - 2
4	G4	STANDARD PLANS SUMMARY
5	G5	KEY PLAN - 1
6	G6	KEY PLAN - 2
7	G7	KEY PLAN - 3
8	G8	KEY PLAN - 4
9	G9	KEY PLAN - 5
10	G10	KEY PLAN - 6
11	G11	KEY PLAN - 7
12	G12	KEY PLAN - 8
13	G13	CONSTRUCTION PROJECTS
14	G14	LEGEND
15	G15	GENERAL NOTES & ABBREVIATIONS
16	G16	MILESTONE SCHEDULE
17	G17	ESTIMATED QUANTITIES - 1
18	G18	ESTIMATED QUANTITIES - 2
19	G19	ESTIMATED QUANTITIES - 3
20	G20	ESTIMATED QUANTITIES - 4

SYSTEMS

SYSTEMS BLOCK DIAGRAM

21	TD1	SYSTEMS INTEGRATION
22	TD2	SUPERVISORY AND CONTROL SYSTEM - 1
23	TD3	SUPERVISORY AND CONTROL SYSTEM - 2
24	TD4	SUPERVISORY AND CONTROL SYSTEM - 3
25	TD5	FIRE & INTRUSION ALARM SYSTEM
26	TD6	TELEPHONE COMMUNICATIONS SYSTEM
27	TD7	RADIO SYSTEMS
28	TD8	CCTV SYSTEM
29	TD9	CO MONITORING
30	TD10	UPS SYSTEM INTEGRATION
31	TD11	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 1
32	TD12	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 2
33	TD13	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 3
34	TD14	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 4
35	TD15	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 5
36	TD16	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 6
37	TD17	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 7
38	TD18	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 8
39	TD19	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 9
40	TD20	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 10
41	TD21	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 11
42	TD22	TRAFFIC CONTROL SYSTEM - BLOCK DIAGRAM - 12

SYSTEMS RISER DIAGRAM

43	TR1	MAIN LINE CONDUIT RISER - 1
44	TR2	MAIN LINE CONDUIT RISER - 2
45	TR3	MAIN LINE CONDUIT RISER - 3
46	TR4	FIRE PROTECTION RISER - 1
46S-1	TR4A	FIRE PROTECTION RISER - 2
47	TR5	TELEPHONE COMMUNICATIONS RISER
48	TR6	CCTV RISER
49	TR7	CO MONITOR RISER
50	TR8	SUPERVISORY AND CONTROL RISER
51	TR9	INTRUSION RISER - 1
52	TR10	INTRUSION RISER - 2

SHEET SHEET NO. TITLE

SYSTEMS & SCHEDULES

53	T1	CONSTRUCTION NOTES - 1
54	T2	CONSTRUCTION NOTES - 2
55	T3	EQUIPMENT SUMMARY - 1
56	T4	EQUIPMENT SUMMARY - 2
57	T5	EQUIPMENT SUMMARY - 3
58	T6	EQUIPMENT SUMMARY - 4
59	T7	EQUIPMENT SUMMARY - 5
60	T8	EQUIPMENT SUMMARY - 6
61	T9	EQUIPMENT SUMMARY - 7
62	T10	EQUIPMENT SUMMARY - 8
63	T11	EQUIPMENT SUMMARY - 9
64	T12	EQUIPMENT SUMMARY - 10
65	T13	EQUIPMENT SUMMARY - 11
65S-1	T13A	EQUIPMENT SUMMARY - 11A
66	T14	EQUIPMENT SUMMARY - 12
67	T15	EQUIPMENT SUMMARY - 13
68	T16	EQUIPMENT SUMMARY - 14
69	T17	EQUIPMENT SUMMARY - 15
70	T18	EQUIPMENT SUMMARY - 16
71	T19	CONDUIT AND CABLE - 1
72	T20	CONDUIT AND CABLE - 2
73	T21	CONDUIT AND CABLE - 3
74	T22	CONDUIT AND CABLE - 4
75	T23	CONDUIT AND CABLE - 5
76	T24	CONDUIT AND CABLE - 6
77	T25	CONDUIT AND CABLE - 7
78	T26	CONDUIT AND CABLE - 8
79	T27	CONDUIT AND CABLE - 9
80	T28	CONDUIT AND CABLE - 10
81	T29	CONDUIT AND CABLE - 11
82	T30	CONDUIT AND CABLE - 12
83	T31	CONDUIT AND CABLE - 13
84	T32	CONDUIT AND CABLE - 14
85	T33	CONDUIT AND CABLE - 15
86	T34	CONDUIT AND CABLE - 16
87	T35	CONDUIT AND CABLE - 17
87S-1	T35A	CONDUIT AND CABLE - 18
88	TA1	CMS 37 - PLAN & DETAIL
89	TA2	CMS 40 & 41, TC 28 - PLAN
90	TA3	CMS 40 & TC 28 - DETAILS
91	TA4	CMS 41 - DETAIL
92	TA5	CMS 40 & 41 - ELEVATIONS
93	TA6	CMS 39, 42 & 43 - PLAN
94	TA7	CMS 39 & 42 - DETAILS
95	TA8	CMS 43 & FIBEROPTIC CABINET - DETAILS
96	TA9	CMS 39, 42 & 43 - ELEVATIONS
97	TA10	VMS 38 - PLAN & ELEVATION
98	TA11	VMS 39 - PLAN & DETAIL
99	TA12	VMS 40 - PLAN
100	TA13	VMS 40 - DETAIL
101	TA14	VMS 41 - PLAN & ELEVATION
102	TA15	VMS 41 - DETAIL
103	TA16	VMS 42 - PLAN & ELEVATION
104	TA17	VMS 43 - PLAN
105	TA18	VMS 43 - DETAIL
106	TA19	SYSTEMS PLAN STA 344+00 TO 374+00
107	TA20	SYSTEMS PLAN STA 374+00 TO 428+00
107S-1	TA20A	SYSTEM INTERFACE WITH GTE HAWAIIAN TELEPHONE
107S-2	TA20B	SYSTEM INTERFACE WITH GTE HAWAIIAN TELEPHONE CCTV ECG-01
108	TA21	SYSTEMS PLAN STA 428+00 TO 472+00
109	TA22	SYSTEMS PLAN STA 472+00 TO 525+45
110	TA23	SYSTEMS PLAN STA 525+45 TO 528+95

HALAWA APPROACH

SHEET SHEET NO. TITLE

HALAWA APPROACH (CONTINUED)

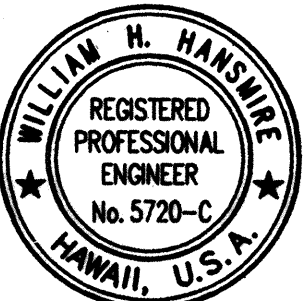
111	TA24	SYSTEMS PLAN STA 528+95 TO 534+95
112	TA25	SYSTEMS PLAN STA 534+95 TO 540+00
113	TA26	SYSTEMS PLAN STA 540+00 TO 546+00
114	TA27	SYSTEMS PLAN STA 546+00 TO 552+00
115	TA28	SYSTEMS PLAN STA 552+00 TO 558+00
116	TA29	SYSTEMS PLAN STA 558+00 TO 564+00
117	TA30	SYSTEMS PLAN STA 564+00 TO 570+00
118	TA31	SYSTEMS PLAN STA 570+00 TO 576+00
119	TA32	SYSTEMS PLAN STA 576+00 TO 582+00
120	TA33	SYSTEMS PLAN STA 582+00 TO 588+00
121	TA34	SYSTEMS PLAN STA 588+00 TO 593+50
122	TA35	SYSTEMS PLAN STA 593+50 TO 597+70
123	TA36	SYSTEMS PLAN STA 597+70 TO 602+40
124	TA37	SYSTEMS PLAN STA 602+40 TO 606+20

TUNNELS

125	TT1	SYSTEMS PLAN STA 606+20 TO 609+75
126	TT2	SYSTEMS PLAN STA 609+75 TO 615+40
127	TT3	SYSTEMS PLAN STA 615+40 TO 621+00
128	TT4	SYSTEMS PLAN STA 621+00 TO 627+10
129	TT5	SYSTEMS PLAN STA 627+10 TO 632+00
130	TT6	SYSTEMS PLAN STA 632+00 TO 636+90
131	TT7	SYSTEMS PLAN STA 636+90 TO 641+80
132	TT8	SYSTEMS PLAN STA 641+80 TO 646+70
133	TT9	SYSTEMS PLAN STA 646+70 TO 651+60
134	TT10	SYSTEMS PLAN STA 651+60 TO 656+00

HAIKU APPROACH

135	TB1	SYSTEMS PLAN STA 656+00 TO 260+29
136	TB2	SYSTEMS PLAN STA 260+29 TO 265+00
137	TB3	SYSTEMS PLAN STA 265+00 TO 269+80
138	TB4	SYSTEMS PLAN STA 269+80 TO 275+55
139	TB5	SYSTEMS PLAN STA 275+55 TO 282+00
140	TB6	SYSTEMS PLAN STA 282+00 TO 288+00
141	TB7	SYSTEMS PLAN STA 288+00 TO 294+00
142	TB8	SYSTEMS PLAN STA 294+00 TO 300+00
143	TB9	SYSTEMS PLAN STA 300+00 TO 306+03
144	TB10	SYSTEMS PLAN STA 306+03 TO 312+00
145	TB11	SYSTEMS PLAN STA 312+00 TO 318+17
146	TB12	SYSTEMS PLAN STA 318+17 TO 324+33
147	TB13	SYSTEMS PLAN STA 324+33 TO 330+67
148	TB14	SYSTEMS PLAN STA 307+52 TO 329+00
149	TB15	SYSTEMS PLAN STA 329+00 TO 339+00
150	TB16	SYSTEMS PLAN STA 339+00 TO 414+00
151	TB17	SYSTEMS PLAN STA 414+00 TO 462+00
152	TB18	SYSTEMS PLAN STA 462+00 TO 497+00
153	TB19	CMS 29, 30 & 31 - PLAN
154	TB20	CMS 29, 30 & 31 - DETAILS
155	TB21	CABINET DETAILS - HALEKOU INTERCHANGE
156	TB22	CMS 29, 30 & 31 - ELEVATIONS
157	TB23	CMS 34 - PLAN & DETAIL
158	TB24	CMS 35 & 36, VMS 36 - PLAN
159	TB25	CMS 35 & 36, VMS 36 - DETAILS
160	TB26	VMS 33 - PLAN & DETAIL
161	TB27	VMS 34 - PLAN & DETAIL
162	TB28	VMS 35 - PLAN & DETAIL
163	TB29	VMS 37 - PLAN & DETAIL



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

William H. Hamner

10/28/94	REV. PER DCN 65-027
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
LIST OF PLANS - 1	
GENERAL	
INTERSTATE ROUTE H-3	
F.A.I. PROJ. NO. I-H3-1(65)	
SCALE: NONE	DATE: DEC 1991
SHEET NO. 62 OF 20 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(65)	1992	3	309

SHEET SHEET NO. TITLE
SYSTEMS (CONT'D)

SECTIONS AND DETAILS

164	TF1	TRAFFIC CONTROL DEVICE DETAILS - 1
165	TF2	TRAFFIC CONTROL DEVICE DETAILS - 2
166	TF3	TRAFFIC CONTROL DEVICE DETAILS - 3
167	TF4	TRAFFIC CONTROL DEVICE DETAILS - 4
168	TF5	TRAFFIC CONTROL DEVICE DETAILS - 5
169	TF6	TRAFFIC CONTROL DEVICE DETAILS - 6
170	TF7	TRAFFIC CONTROL DEVICE DETAILS - 7
171	TF8	TRAFFIC CONTROL DEVICE DETAILS - 8
172	TF9	TRAFFIC CONTROL DEVICE DETAILS - 9
173	TF10	TRAFFIC CONTROL DEVICE DETAILS - 10
174	TF11	TRAFFIC CONTROL DEVICE DETAILS - 11
175	TF12	TRAFFIC CONTROL DEVICE DETAILS - 12
176	TF13	TRAFFIC CONTROL DEVICE DETAILS - 13
177	TF14	TRAFFIC CONTROL DEVICE DETAILS - 14
178	TF15	TRAFFIC CONTROL DEVICE DETAILS - 15
179	TF16	TRAFFIC CONTROL DEVICE DETAILS - 16
180	TF17	TRAFFIC CONTROL DEVICE DETAILS - 17
180S-I	TF17A	TRAFFIC CONTROL DEVICE SPECIAL FOUNDATION DETAILS
181	TF18	TRAFFIC CONTROL DEVICE DETAILS - 18
181S-I	TF18A	TRAFFIC CONTROL DEVICE DETAILS - 18A
182	TF19	TRAFFIC CONTROL DEVICE DETAILS - 19
182S-I	TF19A	TRAFFIC CONTROL DEVICE DETAILS - 20
183	TF20	VEHICLE DETECTION DETAILS - 1
184	TF21	VEHICLE DETECTION DETAILS - 2
185	TF22	GATE DETAILS - 1
186	TF23	GATE DETAILS - 2
187	TF24	CCTV DETAILS
188	TF25	RADIO ANTENNA DETAILS
189	TF26	TELEPHONE SYSTEM DETAILS
190	TF27	FIRE, INTRUSION DETECTION & CO MONITORING DETAILS - 1
191	TF28	FIRE, INTRUSION DETECTION & CO MONITORING DETAILS - 2
192	TF29	CROSS PASSAGE EQUIPMENT LAYOUT & DETAILS
193	TF30	TUNNEL CONTROL SECTIONS - 1
194	TF31	TUNNEL CONTROL SECTIONS - 2
195	TF32	TUNNEL CONTROL SECTIONS & DETAILS - 1
196	TF33	TUNNEL CONTROL SECTIONS & DETAILS - 2
197	TF34	TRAFFIC CONTROL SYSTEM - SIGN MESSAGES - 1
198	TF35	TRAFFIC CONTROL SYSTEM - SIGN MESSAGES - 2
199	TF36	TRAFFIC CONTROL SYSTEM - SIGN MESSAGES - 3
200	TF37	TRAFFIC CONTROL SYSTEM - SIGN MESSAGES - 4
200S-I	TF37A	TRAFFIC CONTROL SYSTEM - SIGN MESSAGES - 4A
201	TF38	TRAFFIC CONTROL SYSTEM - SIGN MESSAGES - 5
202	TF39	TUNNEL CEILING PLAN
203	TF40	TUNNEL FAN CONTROLS - 1
204	TF41	TUNNEL FAN CONTROLS - 2
205	TF42	TRAFFIC CONTROL POWER DISTRIBUTION
206	TF43	POWER DISTRIBUTION CROSSPASSAGES
207	TF44	WEATHER STATION DETAILS

HALAWA PORTAL BUILDING - IB

208	TN1	SYSTEMS PLAN - LEVEL 1
209	TN2	SYSTEMS PLAN - LEVEL 2
210	TN3	SYSTEMS PLAN - LEVEL 3
211	TN4	SYSTEMS PLAN - LEVEL 4
212	TN5	SYSTEMS PLAN - ROOF
213	TN6	SYSTEMS PLAN - SECTION B

HALAWA PORTAL BUILDING - OB

214	TO1	SYSTEMS PLAN - LEVEL 1
215	TO2	SYSTEMS PLAN - LEVEL 2
216	TO3	SYSTEMS PLAN - LEVEL 3
217	TO4	SYSTEMS PLAN - LEVEL 4
218	TO5	SYSTEMS PLAN - ROOF
219	TO6	SYSTEMS PLAN - SECTION B

SHEET SHEET NO. TITLE

CONTROL BUILDING

220	TC1	SYSTEMS PLAN - LEVEL 1
221	TC2	SYSTEMS PLAN - LEVEL 2
222	TC3	SYSTEMS PLAN - LEVEL 3
223	TC4	CONTROL BLDG. LAYOUT & DETAILS - 1
224	TC5	CONTROL BLDG. LAYOUT & DETAILS - 2
225	TC6	CONTROL CONSOLE LAYOUT AND DETAILS
226	TC7	VIDEO MONITOR RACK LAYOUT AND DETAILS

HAIKU PORTAL BUILDING - IB

227	TM1	SYSTEMS PLAN - LEVEL A
228	TM2	SYSTEMS PLAN - LEVEL 1
229	TM3	SYSTEMS PLAN - LEVEL 2
230	TM4	SYSTEMS PLAN - LEVEL 3
231	TM5	SYSTEMS PLAN - LEVEL 4
232	TM6	SYSTEMS PLAN - ROOF
233	TM7	SYSTEMS PLAN - SECTION B

HAIKU PORTAL BUILDING - OB

234	TQ1	SYSTEMS PLAN - LEVEL A
235	TQ2	SYSTEMS PLAN - LEVEL 1
236	TQ3	SYSTEMS PLAN - LEVEL 2
237	TQ4	SYSTEMS PLAN - LEVEL 3
238	TQ5	SYSTEMS PLAN - LEVEL 4
239	TQ6	SYSTEMS PLAN - ROOF
240	TQ7	SYSTEMS PLAN - SECTION B

PORTAL BUILDINGS

241	TP1	SECTIONS & DETAILS - 1
242	TP2	SECTIONS & DETAILS - 2
243	TP3	CONDUIT INSTALLATION DETAILS - 1
244	TP4	CONDUIT INSTALLATION DETAILS - 2
245	TP5	CONDUIT INSTALLATION DETAILS - 3
246	TP6	CONDUIT INSTALLATION DETAILS - 4

CIVIL

CIVIL - STANDARDS

247	C1	LEGEND
248	C2	GENERAL NOTES AND ABBREVIATIONS

CIVIL - HALAWA APPROACH

249	CA1	CMS 37 - PLAN
250	CA2	VMS 38 - PLAN
251	CA3	VMS 39 - PLAN
252	CA4	VMS 40 - PLAN
253	CA5	VMS 41 - PLAN
254	CA6	VMS 42 - PLAN
255	CA7	VMS 43 - PLAN
256	CA8	VMS 44 - PLAN

CIVIL - HAIKU APPROACH

257	CB1	CMS 29 - PLAN HALEKOU INTERCHANGE
258	CB2	CMS 30 - PLAN HALEKOU INTERCHANGE
259	CB3	FIBEROPTIC HUB - PLAN HALEKOU INTERCHANGE
260	CB4	TRAFFIC CONTROLLER - PLAN HALEKOU INTERCHANGE
261	CB5	CMS 34 - PLAN
262	CB6	CMS 35 - PLAN
263	CB7	CMS 36 - PLAN
264	CB8	VMS 33 - PLAN
265	CB9	VMS 34 - PLAN

SHEET SHEET NO. TITLE

CIVIL - HAIKU APPROACH (CONT.)

266	CB10	VMS 35 - PLAN
267	CB11	VMS 36 - PLAN
268	CB12	VMS 37 - PLAN

CIVIL - UTILITIES

269	CU1	UTILITY NOTES
270	CU2	UTILITY NOTES
270S-I	CU2A	UTILITY NOTES
271	CU3	VMS 39 - WATER LINE RELOCATION - PLAN & DETAILS
272	CU4	VMS 35 - HECO/HTCO SERVICE CONNECTION
273	CU5	UTILITY DETAILS

CIVIL - MISCELLANEOUS DETAILS

274	CD1	GUARDRAIL DETAILS - 1
275	CD2	GUARDRAIL DETAILS - 2
276	CD3	VMS 39 - GUARDRAIL AND IMPACT ATTENUATOR DETAILS
277	CD4	VMS 41 - RETAINING WALL DETAILS

TRAFFIC CONTROL

278	CX1	TYPICAL LANE CLOSURES - 1
279	CX2	TYPICAL LANE CLOSURES - 2
280	CX3	TYPICAL LANE CLOSURES - 3
281	CX4	TYPICAL LANE CLOSURES - 4
282	CX5	TYPICAL LANE CLOSURES - 5
283	CX6	TYPICAL LANE CLOSURES - 6
284	CX7	ROADWAY CLOSURES DETOUR - 1
285	CX8	ROADWAY CLOSURES DETOUR - 2
286	CX9	ROADWAY CLOSURES DETOUR - 3

SUPPORT STRUCTURES

287	SS1	GENERAL NOTES
288	SS2	DETAILS FOR CMS 34 TO 37
289	SS3	DETAILS FOR CMS 31, 38 TO 40
290	SS4	DETAILS FOR CMS 41 TO 43 AND VMS 42
291	SS5	DETAILS FOR VMS 38
292	SS6	DETAILS FOR VMS 41
293	SS7	DETAILS FOR VMS 33 TO 37, 39, 40, 43, 44, CMS 29 AND CMS 30
294	SS8	BOX TRUSS CONNECTION DETAILS - 1
295	SS9	BOX TRUSS CONNECTION DETAILS - 2
296	SS10	BOX TRUSS WALKWAY DETAILS - 1
297	SS11	BOX TRUSS WALKWAY DETAILS - 2
298	SS12	BOX TRUSS SUPPORT POST DETAILS
299	SS13	MISCELLANEOUS DETAILS - 1
300	SS14	MISCELLANEOUS DETAILS - 2
301	SS15	MISCELLANEOUS DETAILS - 3
302	SS16	BOX TRUSS FOUNDATION DETAILS - 1
303	SS17	BOX TRUSS FOUNDATION DETAILS - 2
304	SS18	PRESTRESSED CONCRETE PILE DETAILS - 1
305	SS19	PRESTRESSED CONCRETE PILE DETAILS - 2

GEOTECHNICAL

306	FL1	BORING LEGEND AND NOTES
307	FL2	BORING LOGS B-1, B-2, B-3 & B-5 FOR CMS 29 & 30 AND VMS 33 & 35
308	FL3	BORING LOGS B-6, B-7 & B-8 FOR VMS 36, VMS 37, & VMS 39
309	FL4	BORING LOGS B-9, B-10, & B-11 FOR VMS 40, VMS 43 & VMS 44



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

William H. Hamsire

4/19/96	ADDED SHT. NO. TF17A PER DCN 65-045
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<u>LIST OF PLANS - 2</u>	
GENERAL	
INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(65)	
SCALE: NONE	DATE: DEC 1991
SHEET NO. 63 OF 20 SHEETS	

STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(65)	1992	4	309

STANDARD PLAN NO.	TITLE	DATE
B-01	Notes and Miscellaneous Details	07/01/86
B-02		
B-03	Typical Structure Excavation and Backfill Pay Limits	07/01/86
B-04		
B-05		
B-06	Concrete Box Girder	07/01/86
B-07	Concrete Box Girder	07/01/86
B-08	Concrete Box Girder	07/01/86
B-09		
B-10		
B-11		
B-12	Prestressed Concrete Piles	r07/16/90
B-13	Prestressed Concrete Piles	r07/16/90

D-01	Chain Link Fence With Toprail	r03/06/87
D-02	Chain Link Fence Without Toprail	r07/26/90
D-03	Wire Fence With Metal Posts	07/01/86
D-04	Typical Details of Curbs and/or Gutters	07/01/86
D-05	Typical Details of Reinforced Concrete Drop Driveway	07/01/86
D-06	Centerline and Reference Survey Monument	07/01/86
D-07	Street Survey Monument	07/01/86
D-08	Landscaping Shrub and Tree Planting	07/01/86
D-09	Field Office	07/01/86
D-10	Field Office	07/01/86
D-11	Project Site Laboratory	07/01/86
D-12	Project Site Laboratory	07/01/86
D-13	Field Office & Project Site Laboratory	07/01/86

H-01	Type A, B, C and D Catch Basin	07/01/86
H-02	Type A1, B1, C1 and D1 Catch Basin	07/01/86
H-03	Type A2, B2, C2 and D2 Catch Basin	07/01/86
H-04	Typical Reinforcing Details for Catch Basins	07/01/86
H-05	Type A, B and C Storm Drain Manhole	07/01/86
H-06	Type D and E Storm Drain Manhole	07/01/86
H-07	Type F Storm Drain Manhole	07/01/86
H-08	Catch Basin and Manhole Casting	07/01/86
H-09	Type A-9 and A-9P Frames and Grates	07/01/86
H-10	Type A-9B Frames and Grates	07/01/86
H-11	Type 61614 and 61214 Grated Drop Inlet	07/01/86
H-12	Type 61616 Grated Drop Inlet	07/01/86
H-13	61214, 61614 & 61616 Steel Frames and Grates	07/01/86
H-14	61214B Steel Frame and Grates	07/01/86
H-15	61614B Steel Frame and Grates	07/01/86
H-16	Concrete and Cement Rubble Masonry Structures	r10/16/90
H-17	Inlet Structures	r10/16/90
H-18	Flared End Section for Culverts	07/01/86
H-19	Outlet Structures	r02/15/91
H-20	Concrete Spillway Inlet	07/01/86
H-21	18" Slotted C.M.P. Drain	07/01/86
H-22	C.M.P. Coupling Details Standard Joint	r10/16/90
H-23	Hot Shaped Coupling Band	r10/16/90

STANDARD PLAN NO.	TITLE	DATE
TE-01	Miscellaneous Sign Details	07/01/86
TE-02	Galvanized Flanged Channel Sign Post Mounting	07/01/86
TE-03	Galvanized Square Tube Sign Post Mounting	07/01/86
TE-04	Regulatory Signs	r09/01/87
TE-05	Warning Signs	07/01/86
TE-06	Miscellaneous Signs	r11/03/89
TE-07	Reserved	07/01/86
TE-08	Construction Signs	r09/01/87
TE-09	Miscellaneous Intersection Signs	r03/06/87
TE-10	Reserved	07/01/86
TE-11	Bike Route Sign and Supplementary Plates	07/01/86
TE-12	State Route Marker and Auxiliary Markers	07/01/86
TE-13	Interstate Route Marker	07/01/86
TE-14	State Route Marker and Border Detail for Guide Signs	07/01/86
TE-15	Route Marker Assemblies	07/01/86
TE-16	Miscellaneous Reflector Markers	07/01/86
TE-17	Type II Object Markers	07/01/86
TE-18	Mileposts	07/01/86
TE-19	Reserved	07/01/86
TE-20	Overhead Sign Supports	07/01/86
TE-21	Overhead Sign Support, Box Truss Type, Aluminum	07/01/86
TE-22	Foundation Details and Schedules	07/01/86
TE-23	Supports for Ground Mounted Guide Sign	r11/03/89
TE-24	Breakaway Sign Supports for Ground Mounted Guide Signs	07/01/86
TE-25	Laminated Aluminum Sign Panels (Overhead)	07/01/86
TE-26	Laminated Aluminum Sign Panels (Ground Mounted)	07/01/86
TE-27	Solid Aluminum Extruded Sign Panel and Accessory Details	07/01/86
TE-28	Guide Signs Luminaire Mountings	07/01/86
TE-29	Reserved	07/01/86
TE-30	Raised Pavement Markers and Striping	r05/09/90
TE-31	Miscellaneous Pavement Markings	r05/09/90
TE-32	Miscellaneous Pavement Markings	r05/09/90
TE-33	Miscellaneous Pavement Markings	r11/03/89
TE-34	Reserved	07/01/86
TE-35	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-36	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-37	Reserved	07/01/86
TE-38	Traffic Signal System, Miscellaneous Details	r11/03/89
TE-39	Traffic Signal System, Miscellaneous Details	07/01/86
TE-40	Loop Detectors	r11/03/89
TE-41	Pullboxes	07/01/86
TE-42	Type III Traffic Signal Standard	07/01/86
TE-43	Concrete Pullbox (2' x 3')	07/01/86
TE-44	Reserved	07/01/86

STANDARD PLAN NO.	TITLE	DATE
TE-45	Reserved	07/01/86
TE-46	Reserved	07/01/86
TE-47	Reserved	07/01/86
TE-48	Reserved	07/01/86
TE-49	Reserved	07/01/86
TE-50	Metal Guardrail	r03/06/87
TE-51	Metal Guardrail	r09/01/87
TE-52	Metal Guardrail with Rubrail	r11/03/89
TE-53	Metal Guardrail with Rubrail at Obstruction	r09/01/87
TE-54	Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation)	r11/03/89
TE-55	Metal Guardrail Connection to Concrete Barrier	r11/03/89
TE-56	Concrete Barrier Transition	07/01/86
TE-57	Guardrail Type 3, Thrie Beam	r11/03/89
TE-57A	Guardrail Type 3, Modified Thrie Beam	11/03/89
TE-58	Approach End Flare, One & Two Way Roadway	07/01/86
TE-59	Trailing End Flare, One & Two Way Roadway	r11/03/89
TE-60	Anchor Block Details	07/01/86
TE-61	Breakaway Cable Terminal (BCT)	r11/03/89
TE-62	Breakaway Cable Terminal (BCT)	r09/01/87
TE-63	Guardrail Type 4 (Rigid Barrier)	r09/01/87
TE-64	Portable Concrete Barrier	r11/03/89
TE-65	Guardrail Type 4, Miscellaneous	r09/01/87
TE-66	Barricades	07/01/86
TE-67	Delineation & Pavement Markings at Bridges	07/01/86
TE-68	Wheelchair Ramps	r11/03/89
TE-69	Wheelchair Ramps	r11/03/89

NOTE:
STANDARD PLANS APPLICABLE TO THIS
PROJECT ARE INDICATED BY A " ● "
NEXT TO THE STANDARD PLAN NO.
(D-07 ●)

02/15/91	REVISED STANDARD PLANS H-19
10/16/90	REVISED STANDARD PLANS H-16,H-17, H-22 & H-23.
07/26/90	REVISED STANDARD PLANS D-02.
07/16/90	REVISED STANDARD PLANS B-12,B-13,
05/09/90	REVISED STANDARD PLANS TE-30,TE-31, & TE-32.
11/03/89	REVISED STANDARD PLANS TE-06,TE-23, TE-30, TE-31, TE-32, TE-33, TE-38, TE-40, TE-52, TE-54, TE-55, TE-57, TE-59, TE-61, TE-64, TE-68 & TE-69.
09/01/87	ADDED TE-57A TO STANDARD PLANS REVISED STANDARD PLANS TE-04,TE-06, TE-08, TE-32, TE-51, TE-53, TE-54, TE-55, TE-57, TE-59, TE-62, TE-63, TE-65 & TE-69.
03/06/87	REVISED STANDARD PLANS D-01, TE-09, TE-40, TE-50, TE-51, TE-57, TE-59, TE-61, TE-63 & TE-64.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

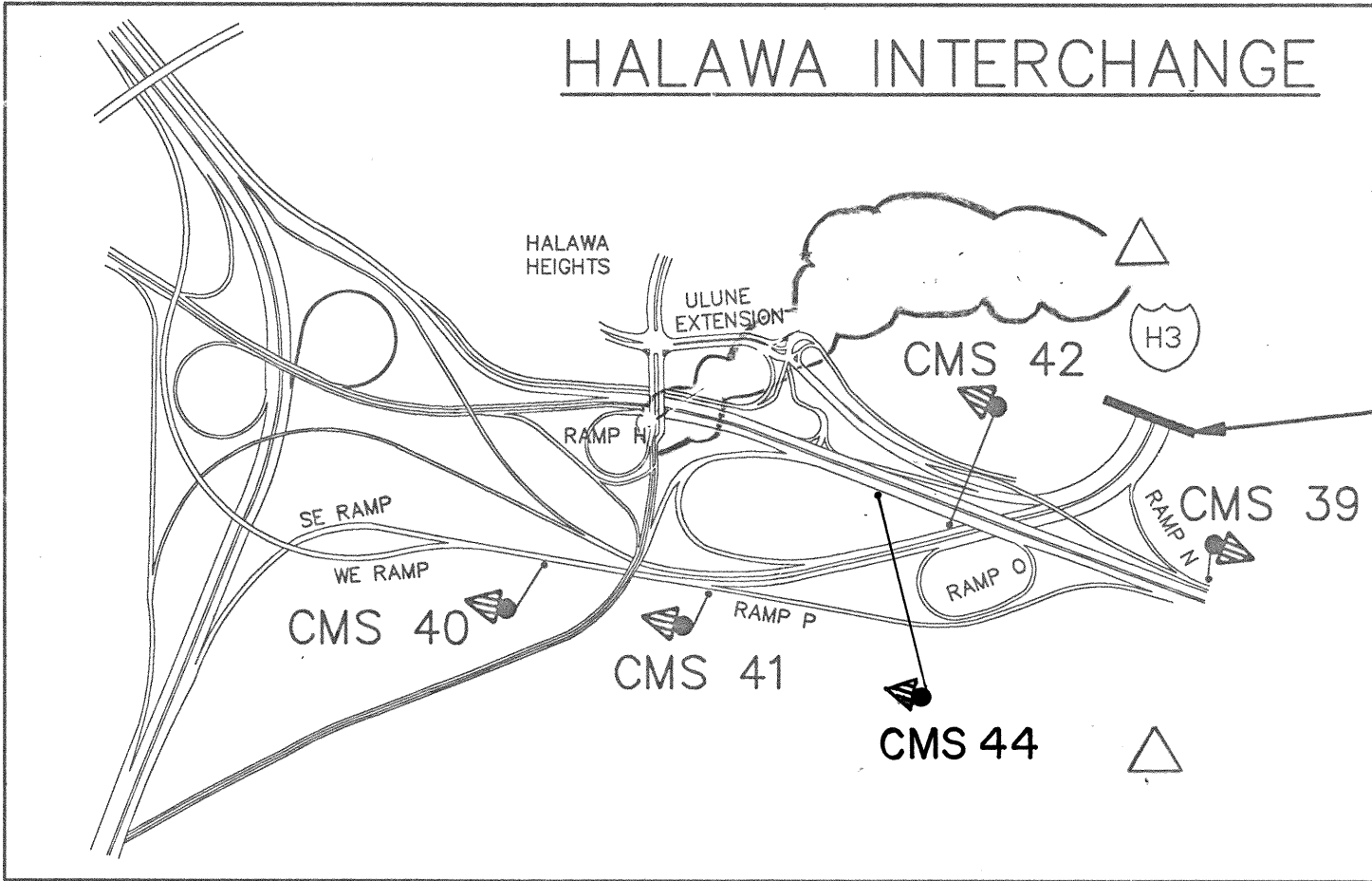
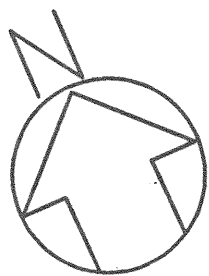
GENERAL
INTERSTATE ROUTE H-3
F.A.I. PROJECT NO. I-H3-1(65)

SCALE: NONE DATE: DEC. 1991

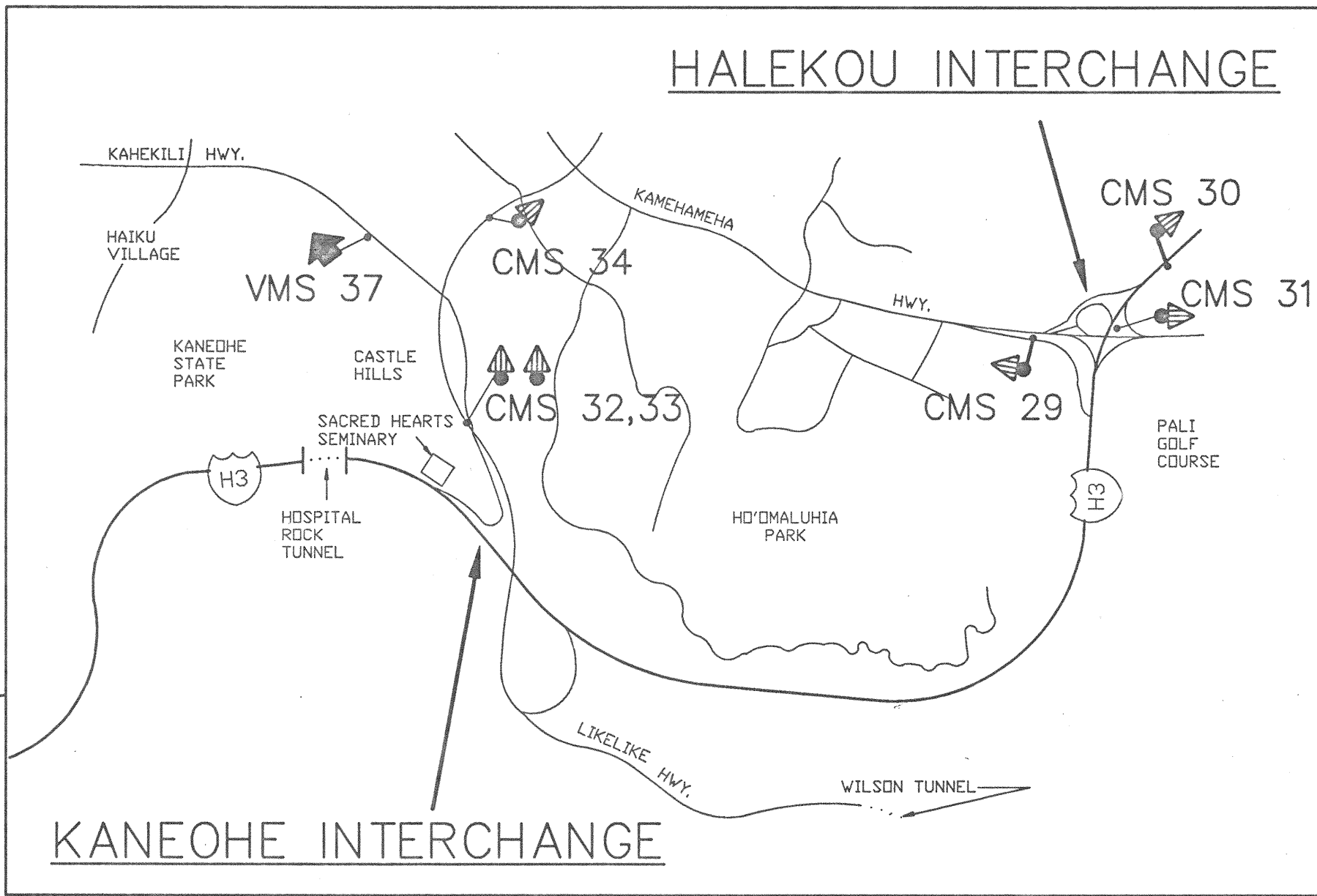
SHEET No. G4 OF 20 SHEETS

SURVEY PLOTTED BY	DATE
PLAN	1/29/92
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(65)	1992	5	309

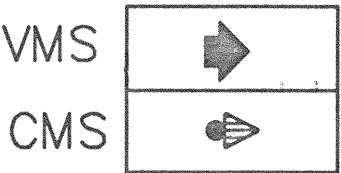


MATCHLINE
STA. 344+00
SEE SHEET NO. G6
FOR CONTINUATION



THESE SIGNS NOT INSTALLED BY
THIS CONTRACT

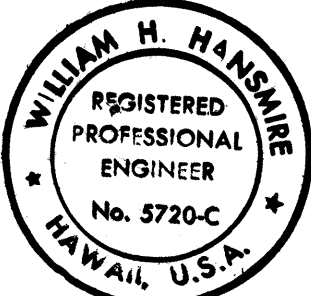
LEGEND:



VMS	CMS
33	29
34	30
35	31
36	34
37	35
38	36
39	37
40	39
41	40
42	41
43	42
44	43
	44

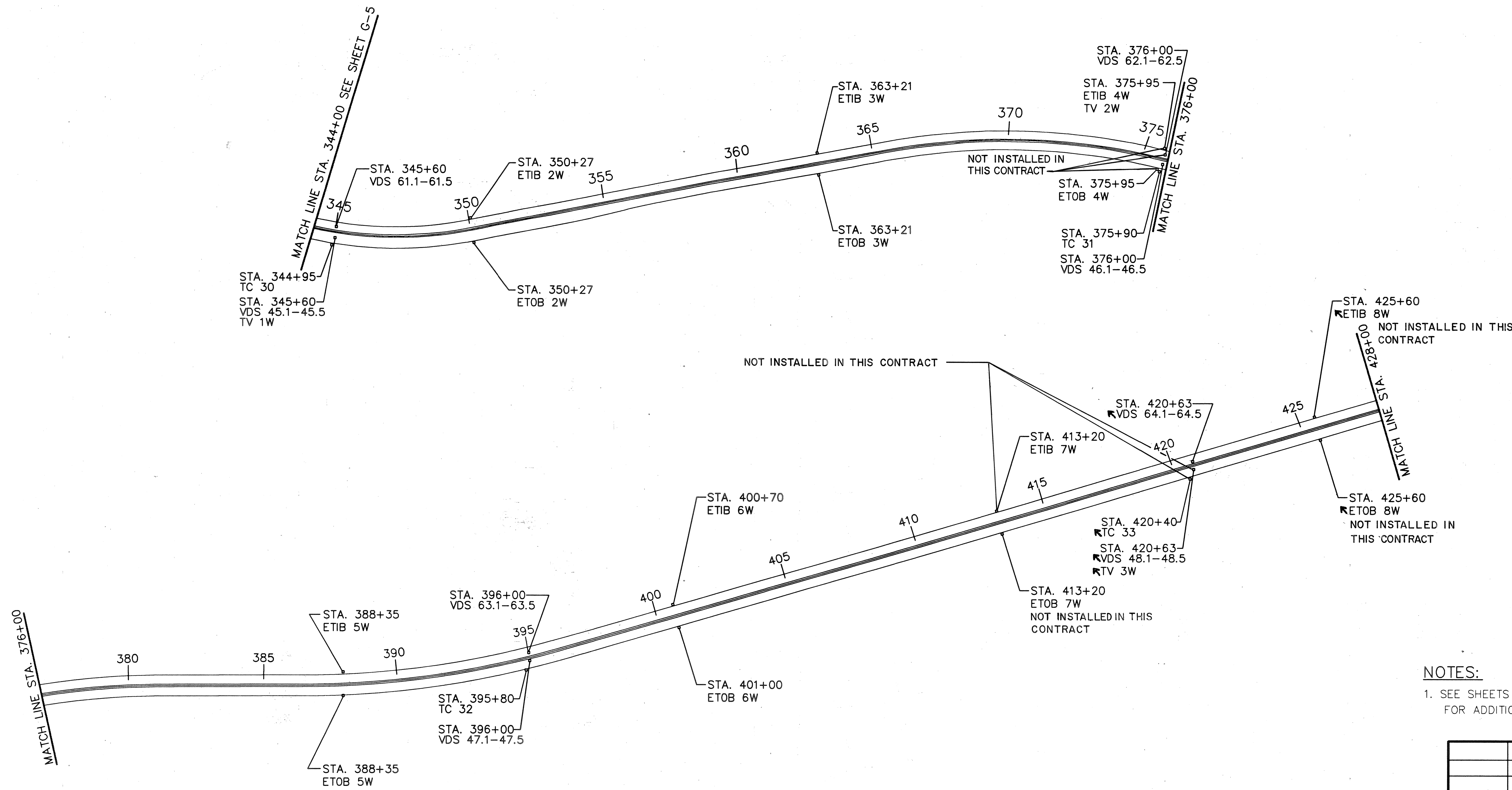
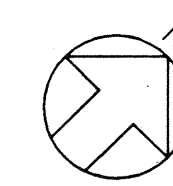
SURVEY PLOTTED BY	DATE
DRAWN BY	12/15/90
DESIGNED BY	06/19/91
CHECKED BY	06/19/91
CHECKED BY	10/21/91
NO.	

3/31/94	DELETED CMS 38, INDICATED LOC. OF OF CMS 44 AT HALAWA INTERCHANGE PER DCN 65-027
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
KEY PLAN - 1	
GENERAL INTERSTATE ROUTE H-3 F.A.I. PROJECT NO. I-H3-1(65)	
SCALE: NONE	DATE: DEC 1991
SHEET NO. G5 OF 20 SHEETS	



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
William H. Hammad

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H3-1(65)	1992	6	309

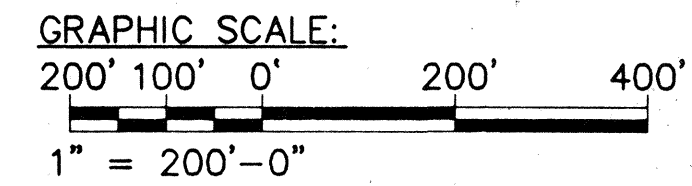


NOTES:
1. SEE SHEETS NO. G5, TA1-TA18, AND TB18-TB29 FOR ADDITIONAL SYSTEMS COMPONENTS.

7/25/96	DCN 65-050 INDICATED ITEMS NOT INSTALLED AS PART OF THIS CONTRACT
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
KEY PLAN - 2	
GENERAL INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. 1-H3-1(65)	
SCALE: 1" = 200'-0"	DATE: DEC 1991
SHEET NO. G6 OF 20 SHEETS	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
William H. Hansen

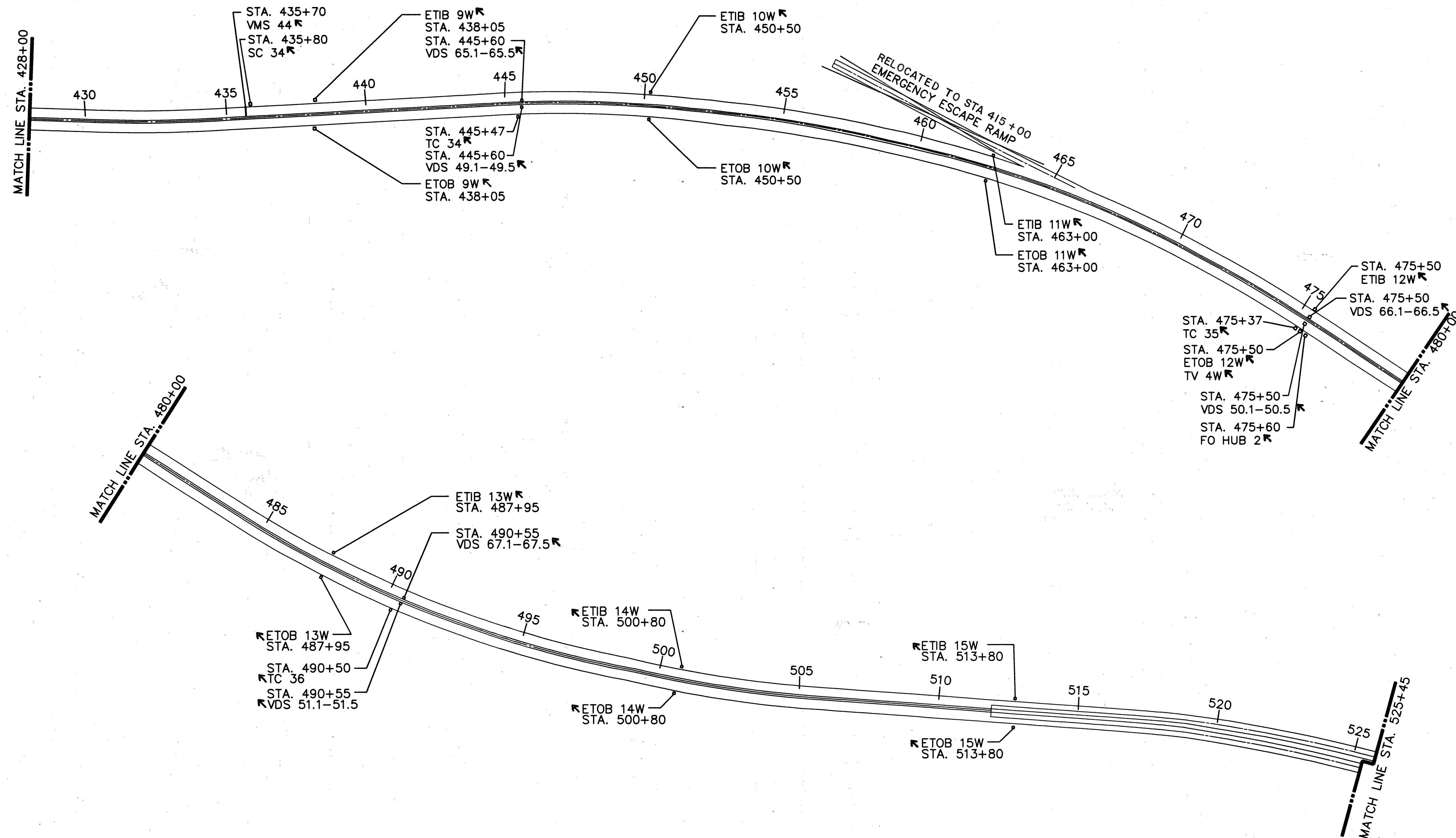


HALAWA APPROACH

NOT TO BE INSTALLED

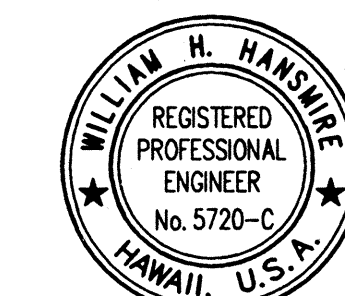
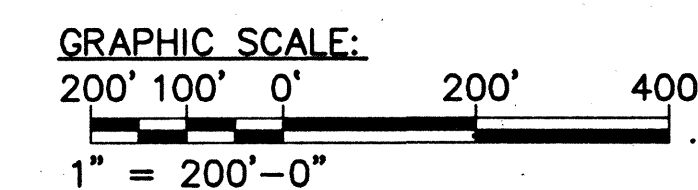
ORIGINAL PLAN	DATE	06/10/92
DESIGNED BY	DATE	10/07/91
QUANTITIES BY	DATE	10/21/91
CHECKED BY	DATE	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H3-1(65)	1992	7	309



HALAWA APPROACH

NOT TO BE INSTALLED BY THIS CONTRACT

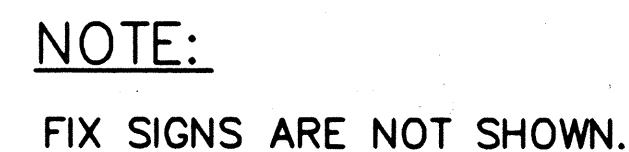


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

William H. Hamsire

7/25/96	DCN 65-050 INDICATED ITEMS NOT INSTALLED AS PART OF THIS CONTRACT
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION KEY PLAN - 3 GENERAL INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. 1-H3-1(65) SCALE: 1" = 200'-0" DATE: DEC 1991 SHEET NO. 67 OF 20 SHEETS	

DESIGNED BY	DATE
DRAWN BY	12/15/90
CHECKED BY	06/10/91
NOTED BY	10/21/91
QUANTITIES BY	
NO.	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KEY PLAN - 4

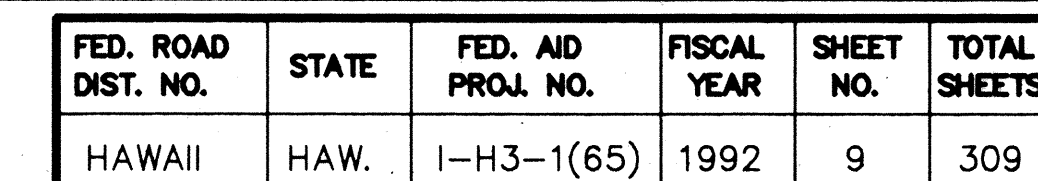
GENERAL

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(65)

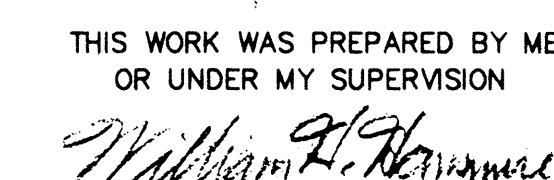
SCALE: 1" = 200'-0" DATE: DEC 1991

SHEET NO. 68 OF 20 SHEETS

GRAPHIC SCALE:
200' 100' 0' 200' 400'
1" = 200'



GRAPHIC SCALE:
200' 100' 0' 200' 400'
1" = 200'



4/4/94	REV. PER DCN 65-029
4/10/92	ADDED FACP AND DELETED VMS 25 & 26.
DATE	REVISION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KEY PLAN — 5

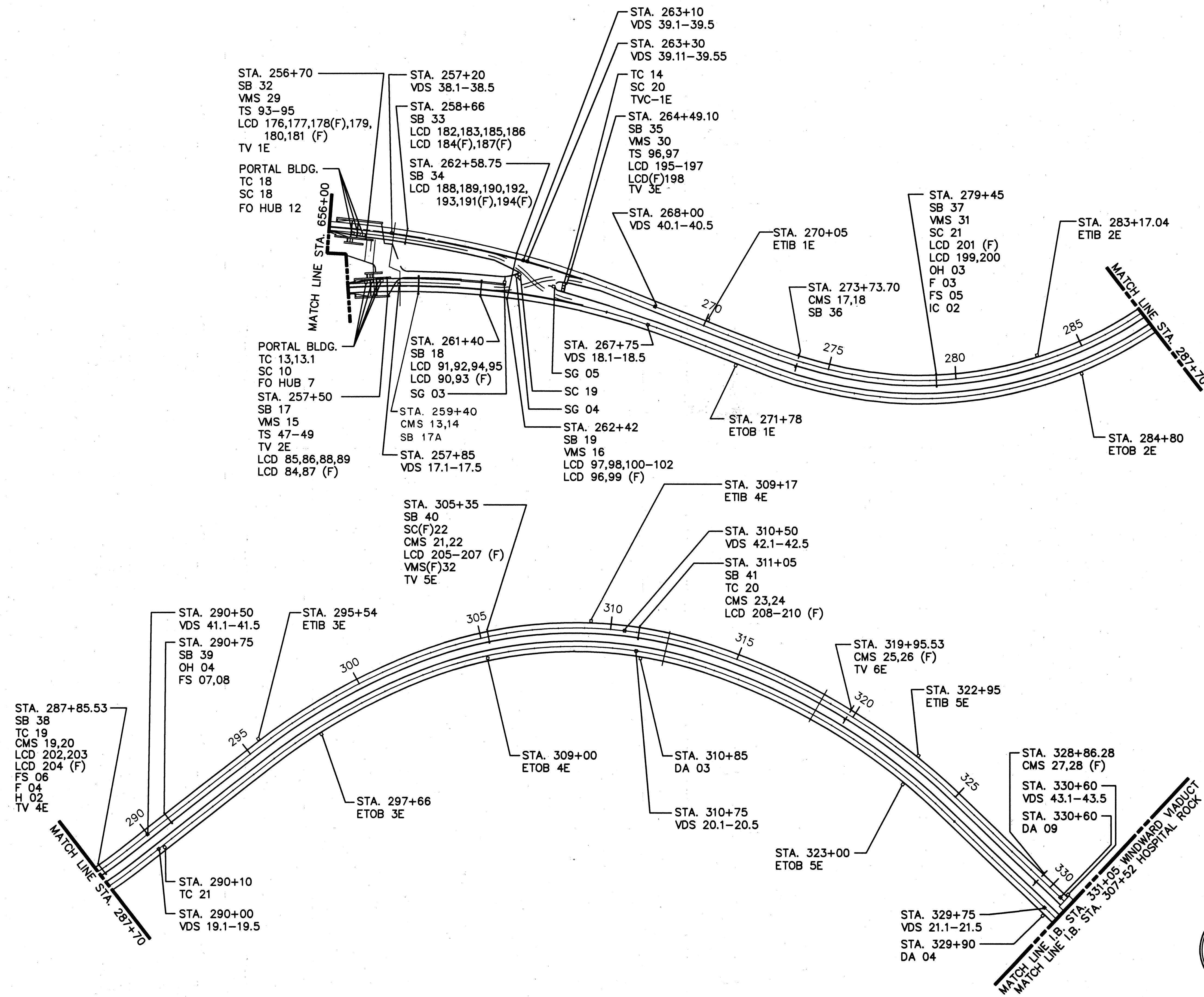
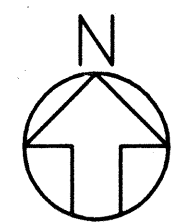
GENERAL

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(65)

SCALE: 1" = 200'-0"
DATE: DEC 199

SHEET NO. G9
OF
20
SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(65)	1992	10	309



NOTE:

FIXED SIGNS ARE NOT SHOWN.

DATE	REVISION
------	----------

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

KEY PLAN - 6

GENERAL

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(65

SCALE: 1" = 200'-0" DATE: DEC 1991

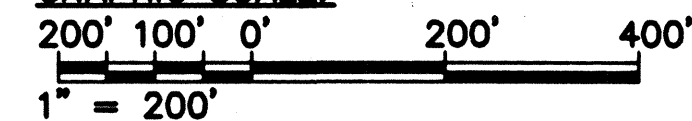
SHEET NO. G10 OF 20 SHEETS



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

William H. Knapton

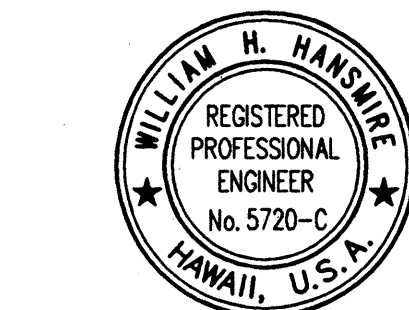
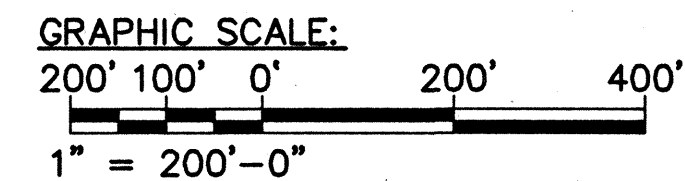
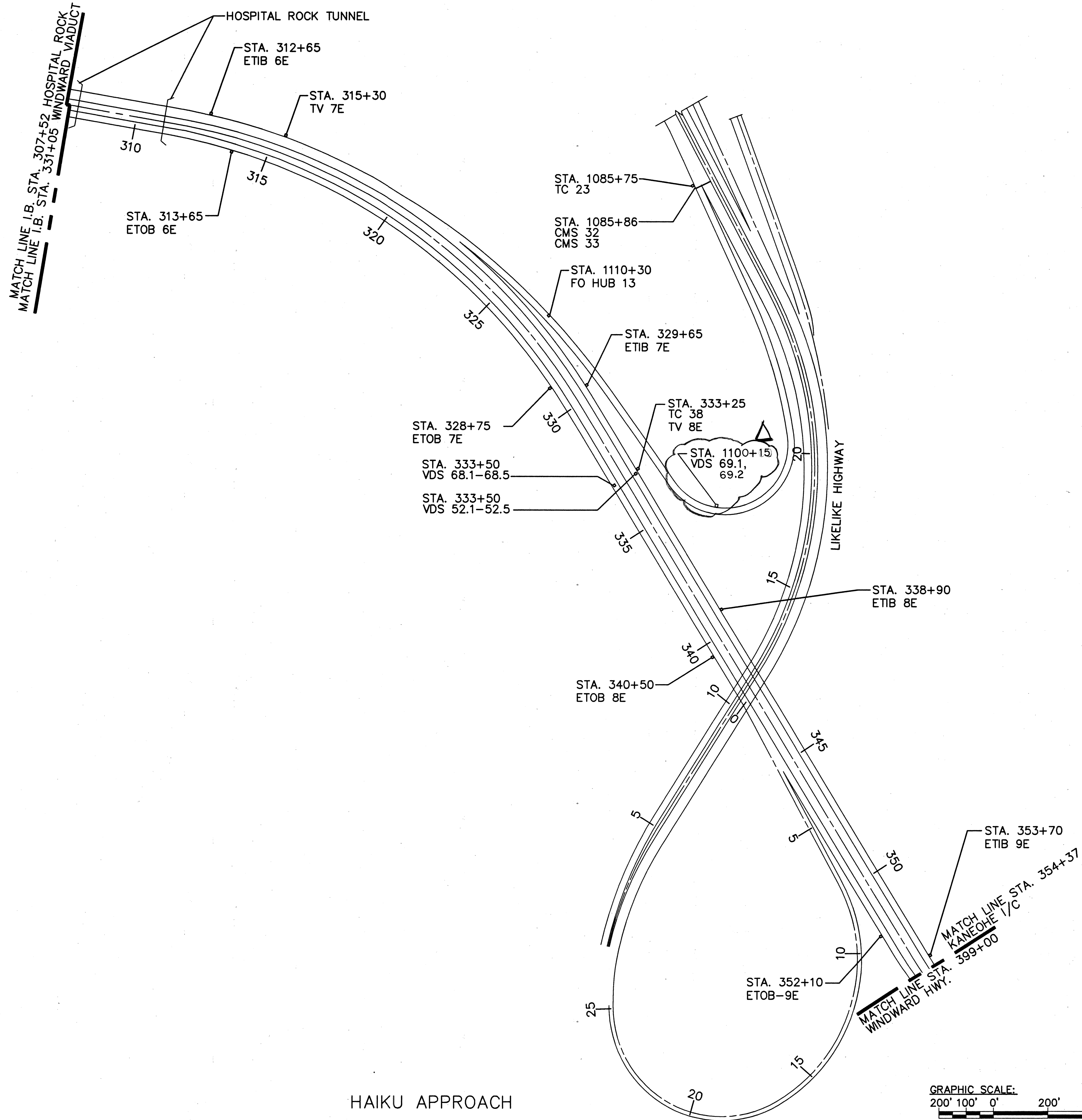
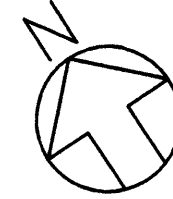
GRAPHIC SCALE:



HAIKU APPROACH

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	
	TRACED BY _____	
NOTEBOOK	DESIGNED BY _____	
	QUANTITIES BY _____	
No. _____	CHECKED BY _____	
	D. MCCORMICK	10/21/91
		08/10/91
		12/15/90

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H3-1(65)	1992	11	309



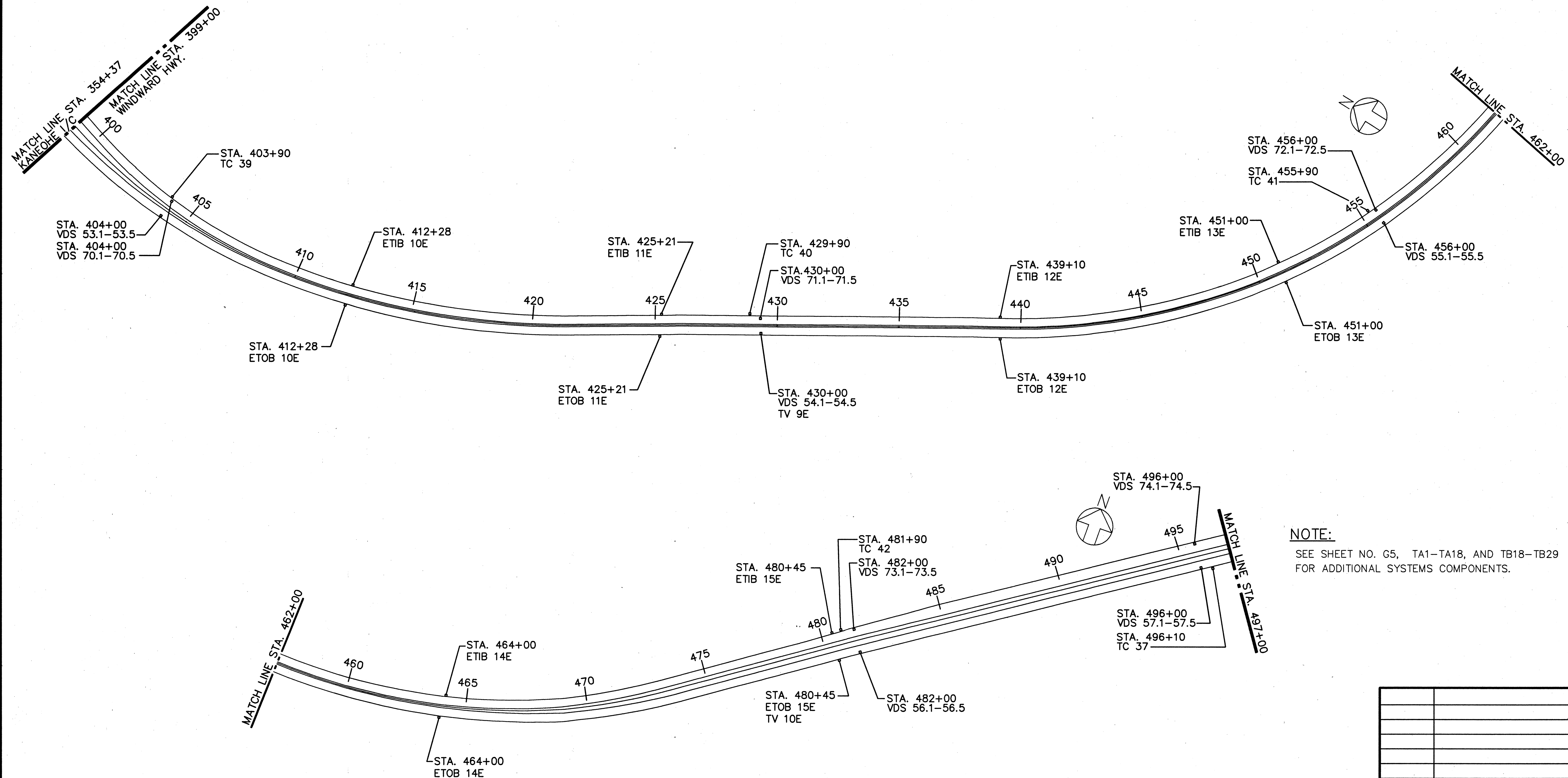
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

William H. Hanswiler

3/8/96	REV. PER DCN 65-044
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
KEY PLAN - 7	
GENERAL	
INTERSTATE ROUTE H-3	
F.A.I. PROJ. NO. 1-H3-1(65)	
SCALE: 1" = 200'-0"	DATE: DEC 1991
SHEET NO. G11	OF 20 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	12/15/90
TRACED BY	08/10/91
CHECKED BY	08/10/91
NOTED BY	10/21/91
ORIGINAL PLAN	
NOTED BY	
CHECKED BY	
DATE	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H3-1(65)	1992	12	309



NOTE:
SEE SHEET NO. G5, TA1-TA18, AND TB18-TB29
FOR ADDITIONAL SYSTEMS COMPONENTS.

DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

KEY PLAN — 8

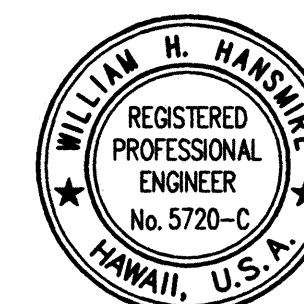
GENERAL

INTERSTATE ROUTE H-3

F.A.I. PROJ. NO. I-H3-1(65)

SCALE: 1" = 200'-0"
DATE: DEC 1991

SHEET NO.G12 OF
20
SHEETS



THIS WORK WAS PREPARED BY MI
OR UNDER MY SUPERVISION

William H. Hanson

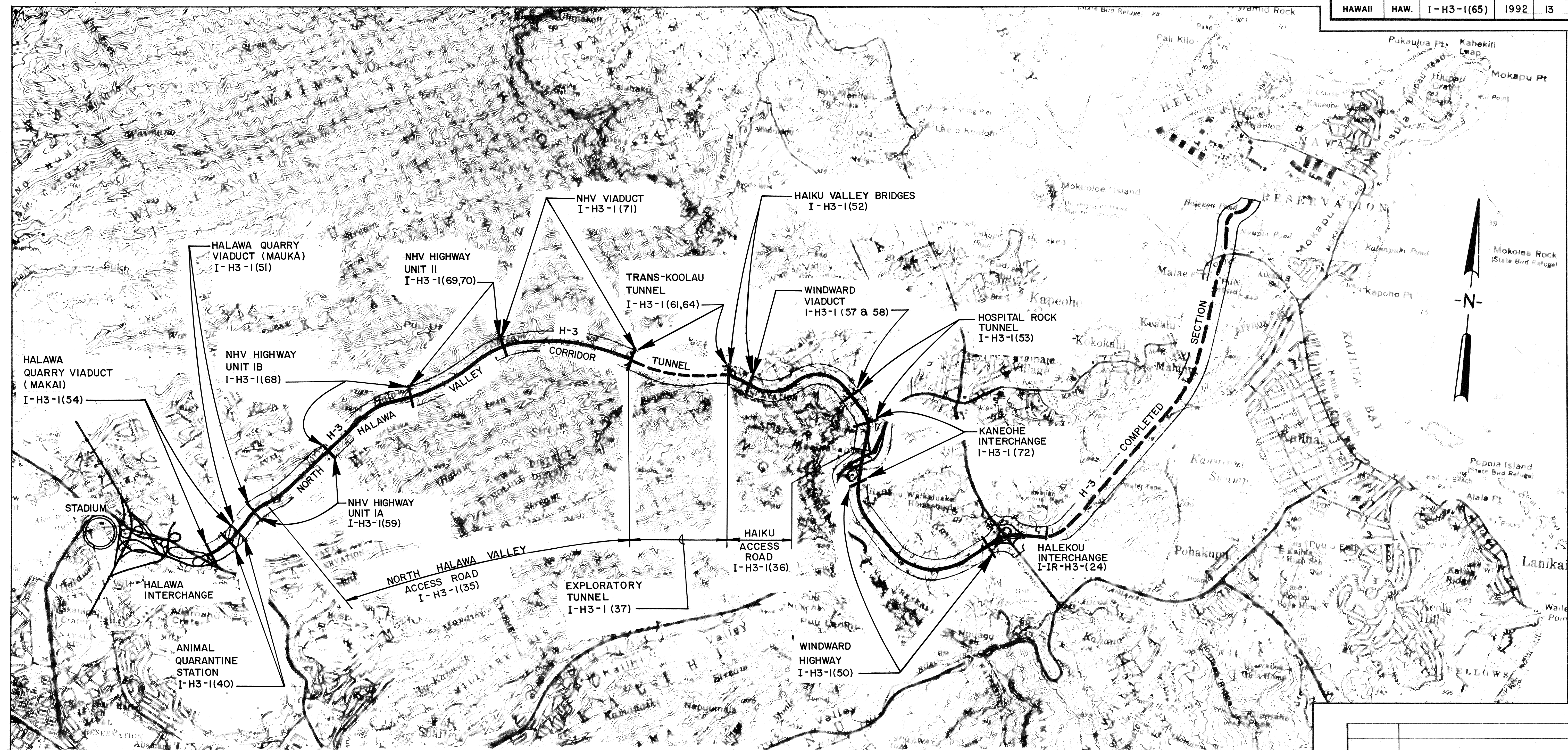
SCALE: 1" = 200'-0" DATE: DEC 1991
SHEET NO. G12 OF 20 SHEETS

HAIKU APPROACH

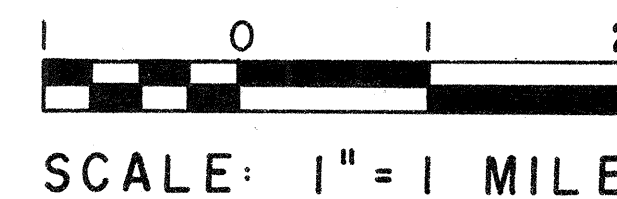
GRAPHIC SCALE:
200' 100' 0' 200' 400'
1" = 200'-0"

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE <u>12/15/90</u>
	DRAWN BY _____
	TRACED BY _____
NOTEBOOK	DESIGNED BY <u>G. FROMM</u>
	QUANTITIES BY _____
No. _____	CHECKED BY <u>D. MCCORMICK</u>

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I - H3 - 1(65)	1992	13	309



CONSTRUCTION PROJECT	PROJECT BEGIN	PROJECT END	CONSTRUCTION PROJECT	PROJECT BEGIN	PROJECT END
MAKAI QUARRY VIADUCT	333 + 27.85	356 + 70	HOSPITAL ROCK	307 + 52 (IB)	336 + 50 (IB)
MAUKA QUARRY VIADUCT	356 + 70	376 + 00		307 + 75 (OB)	336 + 50 (OB)
NORTH HALAWA VALLEY HIGHWAY-UNIT IA	374 + 25	428 + 00	KANEOHE INTERCHANGE	333 + 62	354 + 37.14
NORTH HALAWA VALLEY HIGHWAY-UNIT IB	428 + 00	479 + 47.08	WINDWARD HIGHWAY	399 + 00	490 + 20
NORTH HALAWA VALLEY HIGHWAY-UNIT II	480 + 00	535 +15.3 (IB)	HALEKOU INTERCHANGE	490 + 20	526 + 00 (IB)
		534 +99.9(OB)			520 + 00 (OB)
NORTH HALAWA VALLEY VIADUCT	534 +22.9 (IB)	599 +95 (IB)			
	534 +58.2 (OB)	594 +50 (OB)			
T-K TUNNEL	599 +95 (IB)	657 +60 (IB)			
	594 +50 (OB)	658 +00 (OB)			
HAIKU VALLEY BRIDGES	257 +60 (IB)	264 +65.53 (IB)			
	258 +00 (OB)	264 +25.11 (OB)			
WINDWARD VIADUCT	264 + 35.5 (IB)	331 + 05.7 (IB)			
	263 + 95.1 (OB)	330 + 67.1 (OB)			



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William H. Henshaw

DATE	REVISION
------	----------

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PROJECTS

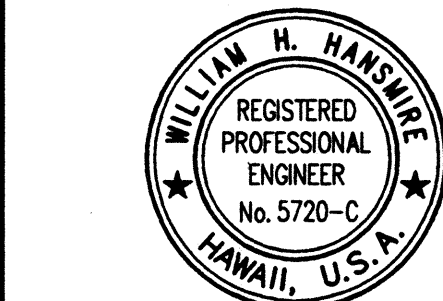
GENERAL
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1 (65)

SCALE: 1" = 1 MILE DATE: DEC 1991
SHEET NO. G13 OF 20 SHEETS

DATE 12/15/92
DRAWN BY CDD
CHECKED BY G. ECHAM
NOTED BY D. MCCORMICK
ORIGINAL PLAN
NOTED BY
DATE 08/10/91
CHECKED BY
DATE 10/21/91

SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION
	SD	SMOKE DETECTOR		FICE	FIBEROPTIC INTERFACE COMMUNICATION EQUIPMENT		VDS 1.1-1.5	VEHICLE DETECTION STATION (WITH SQUARE LOOPS)
	JB	JUNCTION BOX CEILING MOUNTED		FO HUB X	FIBEROPTIC HUB W/DOOR LOCATION INDICATED		VMS 01	VARIABLE MESSAGE SIGN
	JB	JUNCTION BOX WALL MOUNTED		SC 01	SIGN CONTROLLER W/DOOR LOCATION INDICATED		VMS(F)01	VARIABLE MESSAGE SIGN (FUTURE) (NIC)
	PS	FIRE ALARM PULL STATION		TC 01	TRAFFIC CONTROLLER W/DOOR LOCATION INDICATED		LCD 01	LANE CONTROL DISPLAY (CHANGEABLE)
	T XXX	TELEPHONE PABX TELEPHONE WALL JACK		TVC	TV CONTROLLER W/DOOR LOCATION INDICATED		LCD(F)01	LANE CONTROL DISPLAY (FUTURE) (NIC)
	PBS(E)	PULLBOX, HECO, EXISTING IN GRADE		SC(F)01	SIGN CONTROLLER (FUTURE)(NIC)		LCD 01	LANE CONTROL DISPLAY - SINGLE INDICATION
	PBS(E)	PULLBOX, HECO, IN GRADE, 1'-6" x 3'-6"		TC(F)01	TRAFFIC CONTROLLER (FUTURE)(NIC)		TS 01	SINGLE TRAFFIC SIGNAL - VERTICAL MOUNT
	MHX (E)	HANDHOLE, HECO, EXISTING		T 01	HECO TRANSFORMER PAD - SINGLE PHASE W/DOOR LOCATION INDICATED		TS 01	SINGLE TRAFFIC SIGNAL - VERTICAL MOUNT (FUTURE)
	MH (E)	HANDHOLE, HECO, 4' x 6'		T 03	HECO TRANSFORMER PAD - 3 PHASE W/DOOR LOCATION INDICATED		TS 01,02	DOUBLE TRAFFIC SIGNAL - VERTICAL MOUNT
	PBS(T)	PULLBOX, HECO, EXISTING IN GRADE			SERVICE METER CABINET		TS 01 (F)	DOUBLE TRAFFIC SIGNAL - VERTICAL MOUNT (FUTURE)
	PBS(T)	PULLBOX, HECO, IN GRADE, LARGE NO. 435 T-B		RW/S	RETAINING WALL / STRUCTURE		SB 01	SIGN BRIDGE
	PBS XX	PULLBOX (TYPE II), COMM., EXISTING SEE SHEET NO. TF20		FN	FENCE		SB 01	SIGN BRIDGE (FUTURE) (NIC)
	PBS XX	PULLBOX (TYPE II), COMM., IN GRADE SEE SHEET NO. TF20		P	POWER SOURCE		CS	SIGN BRIDGE CANTILEVER (EXISTING)
	PBS XX	PULLBOX (TYPE II), ELEC., EXISTING SEE SHEET NO. TF20		IA	IMPACT ATTENUATOR		SS	SIGN BRIDGE HALF-WIDTH
	PBS XX	PULLBOX (TYPE II), ELEC., IN GRADE SEE SHEET NO. TF20		RTU	REMOTE TERMINAL UNIT		SS	SIGN BRIDGE HALF-WIDTH (EXISTING)
	PBS XX	PULLBOX (TYPE II), SIGNALS, EXISTING SEE SHEET NO. TF20		ITC	INTERFACE TERMINAL CABINET		CO IN	CO MONITOR
	PBS XX	PULLBOX (TYPE II), SIGNALS., IN GRADE SEE SHEET NO. TF20		FACP	FIRE ALARM CONTROL PANEL	CONDUIT		
	HHS XX	HANDHOLE, ELECTRICAL (EXISTING)		DA 01	DETECTOR AMPLIFIER			
	HHS XX	HANDHOLE, SIGNALS (EXISTING)		SG 01	SWING GATE			CONDUIT STUBOUT WITH CAP
	HHS XX	HANDHOLE, COMM (EXISTING)		TS 01	TRAFFIC SIGNAL HORIZONTAL MOUNT			CONDUIT TURNED DOWN OR AWAY
	HHS XX	JUNCTION BOX, ELECTRICAL 18"W x 24"L x 12"D		OH 01	OVERHEIGHT DETECTOR			CONDUIT TURNED UP OR TOWARD
	HHS XX	JUNCTION BOX, SIGNALS 18"W x 24"L x 12"D		SP	SIGN POST		FP	CONDUIT EXPOSED (CIRCUIT IDENTIFIER SHOWN)
	HHS XX	JUNCTION BOX, COMM. 18"W x 24"L x 12"D		CMS 01	CHANGEABLE MESSAGE SIGN		ID	CONDUIT EMBEDDED IN FLOOR OR CEILING (CIRCUIT IDENTIFIER SHOWN)
	EES 01	EMERGENCY EXIT SIGN		CMS(F)01	CHANGEABLE MESSAGE SIGN (FUTURE)(NIC)			CONDUIT, IN STRUCTURE
	ID	INTRUSION DETECTION CONNECTION		FS 01	FIXED MESSAGE SIGN			CONDUIT, IN STRUCTURE (EXISTING)
	SC	SUPERVISORY AND CONTROL (ITC)		LS	LIGHT STANDARD (POLE)			SURFACE MOUNTED CONDUIT
	TV	CLOSED CIRCUIT TELEVISION CAMERA		LSB	LIGHT FIXTURE IN BARRIER			MAINLINE FIBEROPTIC CABLE
	IC 01	INTERCOM		TRI	CONDUIT/CABLE SCHEDULE		R	RADIO REBROADCAST
	H 01	HORN		CN	CONSTRUCTION NOTE			CONDUIT, IN GRADE (EXISTING)
	ST 01	STROBE		HD	LINEAR HEAT DETECTOR			CONDUIT, IN GRADE
	F 01	FLASHING BEACON		FS 01	FIXED SIGN - OVERHEIGHT DETECTOR			AERIAL CABLE (NEW)
	ETIB XXX	EMERGENCY PHONE INBOUND ROADWAY		VDS 1.1-1.5	VEHICLE DETECTION STATION (WITH ROUND LOOPS)			
	ETOB XXX	EMERGENCY PHONE OUTBOUND ROADWAY		NC	NETWORK CONCENTRATOR			
	AFS XX	AIR FLOW SENSOR						

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H3-1(65)	1992	14	309



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

William H. Hama

DATE	REVISION
6/20/94	REV. PER DCN 65-013
4/8/94	REV. PER DCN 65-029
9/30/93	TELEPHONE WALL JACK AND ROUND LOOP DETECTOR SYMBOLS ADDED PER DCN 65-014
LEGEND	
GENERAL	
INTERSTATE ROUTE H-3	
F.A.I. PROJ. NO. 1-H3-1(65)	
SCALE: NONE	DATE: DEC 1991
SHEET NO. G14 OF 20 SHEETS	

DATE 08/10/91
SURVEY PLOTTED BY CHD
ORIGINAL PLAN
DRAWN BY
TRACED BY
DESIGNED BY WILLIAMS
NOTED BY
CHECKED BY D. MCCORMICK
10/21/91
No.

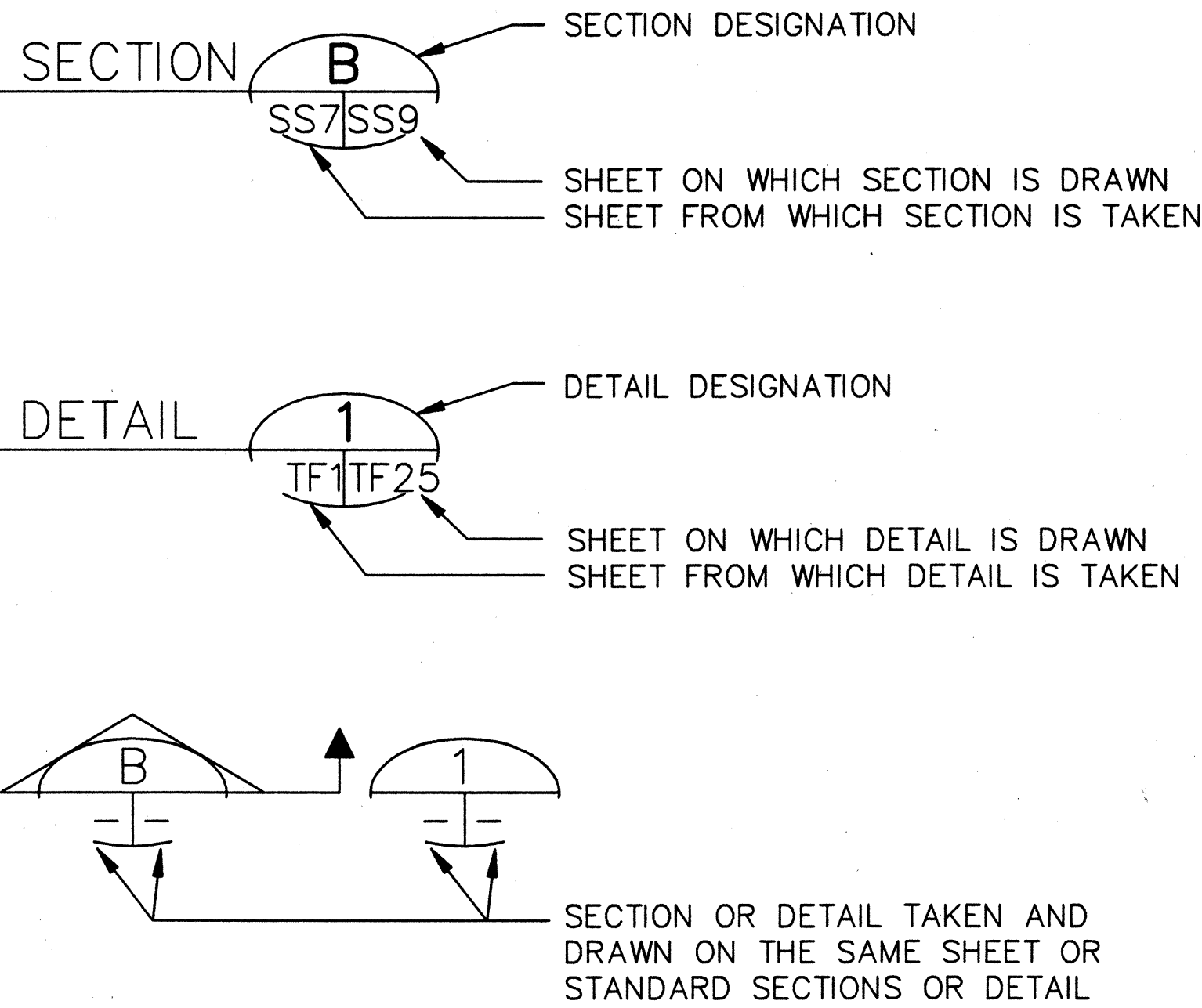
ABBREVIATIONS

AFF = ABOVE FINISHED FLOOR
APC = ADVANCED PROCESS CONTROLLER
BLW = BELOW
BYD = BEYOND
CB = CONTROL BLDG.
CD = CARBON MONOXIDE DETECTOR
COMM = COMMUNICATIONS
DN = DOWN
DWG = DRAWING
EL = ELEVATION
ELEC = ELECTRICAL
EQ = EQUAL
EQ.RM. = COMMUNICATIONS EQUIPMENT ROOM
FACP = FIRE ALARM CONTROL PANEL
FF = FINISHED FLOOR
FICE = FIBEROPTIC COMMUNICATION EQUIPMENT
F.V. & E. = FIRE VALVE AND EXTINGUISHER
GRS = GALVANIZED RIGID METAL CONDUIT
HECO = HAWAIIAN ELECTRIC COMPANY
HTCO = HAWAIIAN TELEPHONE COMPANY
MAX = MAXIMUM
MCC = MOTOR CONTROL CENTER
MIN = MINIMUM
ML = MATCH LINE
MLN = MAINTENANCE LOCAL AREA NETWORK
NC = NETWORK CONCENTRATOR
OPP = OPPOSITE
PCM = PULSE CODE MODULATION
PVC = POLYVINYL CHLORIDE CONDUIT
PW = POWER
RTU = REMOTE TERMINAL UNIT
SIM = SIMILAR
TB = TRAFFIC BEARING
TYP = TYPICAL
X-PSG = CROSSPASSAGE

CONDUIT NUMBERING SYSTEM

S-1 THRU S-99 SYSTEMWIDE DUCTBANK FROM CONTROL BUILDING TO HAIKU APPROACH.
S-100 THRU S-199 BRANCH CIRCUITS, TUNNELS & EQUIP. ROOMS (ODD = INBOUND; EVEN = OUTBOUND).
S-200 THRU S-299 CONTROL BUILDING
S-300 THRU S-399 HALAWA IB PORTAL BLDG.
S-400 THRU S-499 HALAWA OB PORTAL BLDG.
S-500 THRU S-599 OPEN
S-600 THRU S-699 HAIKU IB PORTAL BLDG.
S-700 THRU S-799 HAIKU OB PORTAL BLDG.
S-800 THRU S-899 HAIKU APPROACH.
S-900 THRU S-1099 HALAWA APPROACH.
S-1100 THRU S-1199 HAIKU APPROACH
01 - 09 VERTICAL TRUNK LINES
10 - 29 LEVEL 1 & A BRANCH LINES
30 - 49 LEVEL 2 BRANCH LINES
50 - 69 LEVEL 3 BRANCH LINES
70 - 89 LEVEL 4 BRANCH LINES
90 - 99 ROOF LEVEL BRANCH LINES

LEGEND



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(64)	1992	15	309

GENERAL NOTES

- SEE SHEETS NO. T3 THRU T26 FOR CONDUIT AND EQUIPMENT SCHEDULES
- THREAD AND CAP ALL UNUSED SLEEVES THROUGH STRUCTURE AT EACH END AND ALL CONDUITS THAT DO NOT TERMINATE IN A PULLBOX OR JUNCTION BOX.
- CONDUIT SIZES SHOWN IN CONTRACT DOCUMENTS REFERENCE THE MINIMUM INSIDE DIAMETER REQUIRED.
- INTRUSION DETECTION DEVICES LABELED ID-OBXX, ID-IBxx OR ID-XX ARE ASSOCIATED WITH SPECIFIC FIRE PROTECTION VALVE STATIONS AND VALVE BOXES. SEE SHEETS NO. M21 AND MT1, CONTRACT 66, FOR STATIONING AND IDENTIFICATION.
- SEE SHEETS NO. TP3 AND TP4 FOR MOST TYPICAL EXPOSED CONDUIT INSTALLATION AND SUPPORT DETAILS.
- SUPERVISORY & CONTROL JUNCTION BOXES AND INTERFACE TERMINAL CABINETS SHALL BE MOUNTED 5'-0" (NOMINAL) ABOVE FINISHED FLOOR FOR PORTAL AND CONTROL BUILDINGS.
- USE SLEEVES FURNISHED AND INSTALLED BY OTHERS WHERE APPLICABLE. CORE DRILL AS REQUIRED.
- SMOKE DETECTORS SHALL BE MOUNTED AT A MAXIMUM HEIGHT EQUAL TO BOTTOM OF LOWEST BEAM IN THAT ZONE.

FIRE ZONE IDENTIFICATION SYSTEM

SE 3C BOX NUMBER (SEQUENTIAL)
FLOOR LEVEL : A / 1 / 2 / 3 / 4 / R
BUILDING : NW = HALAWA IB
SW = HALAWA OB
NE = HAIKU IB
SE = HAIKU OB
CB = CONTROL BUILDING
HS = HECO SUBSTATION

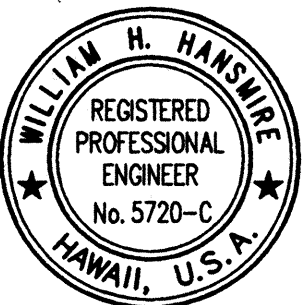
PULLBOX IDENTIFICATION SYSTEM

FUNCTION: S=SYSTEMS, C=COMMUNICATIONS, F=FIRE OR T=TRAFFIC
NEC - 2.0 BOX NUMBER (SEQUENTIAL)
FLOOR LEVEL : A / 1 / 2 / 3 / 4 / R
BUILDING : NW = HALAWA IB
SW = HALAWA OB
NE = HAIKU IB
SE = HAIKU OB
CB = CONTROL BUILDING
HS = HECO SUBSTATION

BOX TYPE HH = HANDHOLE
JB = JUNCTION BOX
PB = PULLBOX
PS = PULLSTATION
ETXB = EMERGENCY TELEPHONE
HHS - 3.1S BOX NUMBER (SEQUENTIAL)
TUNNELBORE : N = INBOUND
S = OUTBOUND
CROSSPASSAGE NUMBER (NEAREST / RELATIVE)
FUNCTION: S=SYSTEMS, C=COMMUNICATIONS, F=FIRE OR T=TRAFFIC

CIRCUIT IDENTIFIERS

FP FIRE PROTECTION
ID INTRUSION DETECTION
SC SUPERVISORY & CONTROL
T TELEPHONE
SP SPARE(EMPTY)
IC INTER-COMMUNICATIONS
S-600 CONDUIT IDENTIFICATION NUMBER
TV TELEVISION
CO COMMUNICATIONS ONLY



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

William H. Hanks

6/20/94	REVISED PER DCN 65-013
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION GENERAL NOTES & ABBREVIATIONS GENERAL INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(65) SCALE: NONE DATE: DEC 1991 SHEET NO. G15 OF 20 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(65)	1992	16	309

LEGEND



4/10/92	REVISED MILESTONE.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <u>MILESTONE SCHEDULE</u> <u>GENERAL</u> <u>INTERSTATE ROUTE H-3</u> <u>F.A.I. PROJ. NO. I-H3-1 (65)</u> SCALE: NONE DATE: DEC 1991 SHEET NO.G16 OF 20 SHEETS	

[illegible]

POL. OFF.	= POLICE OFFICERS	RTU	= REMOTE TERMINAL UNIT
T.C.	= TRAFFIC CONTROL	LCD	= LANE CONTROL DISPLAY
2-WY	= TWO WAY	FMS	= FIXED MESSAGE SIGN
RBRD	= REBROADCAST	VDS	= VEHICLE DETECTOR STATION
INTR.	= INTRUSION	KLB	= ONE THOUSAND POUNDS
OH	= OVERHEIGHT	2/C	= 2 CONDUCTORS
UNINT.	= UNINTERRUPTIBLE	PR	= PAIR
S. & C.	= SUPERVISORY & CONTROL	MLF	= ONE THOUSAND LINEAL FEET
COMM.	= COMMUNICATION	HECO	= HAWAIIAN ELECTRIC COMPANY
VMS	= VARIABLE MESSAGE SIGN	HTCO	= HAWAIIAN TELEPHONE COMPANY
CMS	= CHANGEABLE MESSAGE SIGN	CPU	= CENTRAL PROCESSING UNIT
L.S.	= LUMP SUM	PVC	= POLYVINYL CHLORIDE
FTG	= FOOTING	RGS	= RIGID GALVANIZED STEEL
PED	= PEDESTAL	PABX	= PRIVATE AUTOMATIC BRANCH EXCHANGE
CY	= CUBIC YARD	PTZ	= PAN / TILT / ZOOM
LBS	= POUNDS	ODS	= OVERHEIGHT DETECTION SYSTEM
LF.	= LINEAL FEET	CO	= CARBON MONOXIDE
EA.	= EACH	HC	= HYDRO CARBONS
F.A.	= FORCE ACCOUNT		
TCC	= TRAFFIC CONTROL CENTER		
VCR	= VIDEO CASSETTE RECORDER		

1. ESTIMATED QUANTITIES ARE PROVIDED FOR INFORMATION AND LIST SOME OF THE MAJOR ELEMENTS OF WORK ASSOCIATED WITH THE INDICATED LUMP SUM BID ITEMS AND SHOULD NOT BE CONSIDERED AS A COMPLETE LIST. FOR EACH BID ITEM, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH COMPLETE INSTALLATIONS IN ACCORDANCE WITH THE RESPECTIVE PLANS AND SPECIAL PROVISIONS.

* INSTALLATION OF SIGNS IS NIC.

** SIGN & SUPPORT STRUCTURE WILL NOT BE MANUFACTURED



ADD. 17

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(65)	1992	18	309

			NO.		621	645	648	956	957	957	958	959	961	962	964	964	965	966	966	967	969	969	969	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	97
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NOTES:

1. ESTIMATED QUANTITIES ARE PROVIDED FOR INFORMATION AND LIST SOME OF THE MAJOR ELEMENTS OF WORK ASSOCIATED WITH THE INDICATED LUMP SUM BID ITEMS AND SHOULD NOT BE CONSIDERED AS A COMPLETE LIST. FOR EACH BID ITEM, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH COMPLETE INSTALLATIONS IN ACCORDANCE WITH THE RESPECTIVE PLANS AND SPECIAL PROVISIONS.

2. QUANTITIES SHOWN DO NOT INCLUDE SPARE EQUIPMENT INDICATED IN THE RESPECTIVE SPECIAL PROVISIONS.

* INSTALLATION OF SIGN, SIGN CONTROLLER, TRAFFIC CONTROLLER AND SIGN STRUCTURE IS NIC

** SIGN AND SUPPORT STRUCTURE WILL NOT BE MANUFACTURED



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

William H. Hammer

3/8/96 REV. PER DCN 65-044

4/10/92 REVISED QUANTITIES AND NOTES.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ESTIMATED QUANTITIES - 2

GENERAL

INTERSTATE ROUTE H-3

F.A.I. PROJ. NO. I-H3-1(65)

SCALE: NONE

DATE: DEC 1991

SHEET NO. G18 OF 20 SHEETS

ADD.18

SURVEY PLOTTED BY: CDD	DATE: 4/7/92
DESIGNED BY: B. MARSHALL / J.G. FORD	10/21/91
QUANTITIES BY: D. MCCORMICK	10/21/91
CHECKED BY: D. MCCORMICK	10/21/91
ORIGINAL PLAN	
NOTED	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-I(65)	1992	19	309

		NO.		621	645	648	956	957	957	958	959	960	961	962	964	964	965	966	966	967	969	969	969	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970
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NOTES:

- ESTIMATED QUANTITIES ARE PROVIDED FOR INFORMATION AND LIST SOME OF THE MAJOR ELEMENTS OF WORK ASSOCIATED WITH THE INDICATED LUMP SUM BID ITEMS. AND SHOULD NOT BE CONSIDERED AS A COMPLETE LIST. FOR EACH BID ITEM, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH COMPLETE INSTALLATIONS IN ACCORDANCE WITH THE RESPECTIVE PLANS AND SPECIAL PROVISIONS.
- QUANTITIES SHOWN DO NOT INCLUDE SPARE EQUIPMENT INDICATED IN THE RESPECTIVE SPECIAL PROVISIONS.

* INSTALLATION OF SIGNS IS NIC

** SIGNS AND SUPPORT STRUCTURES WILL NOT BE MANUFACTURED



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

William H. Hanks

3/8/96	REV. PER DCN 65-044
4/10/92	REVISED QUANTITIES AND NOTES.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ESTIMATED QUANTITIES - 3	
GENERAL	
INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-I(65)	
SCALE: NONE	DATE: DEC 1991
SHEET NO. G19 OF 20 SHEETS	

SURVEY PLOTTED BY: CDD	DATE: 4/7/92
DRAWN BY: B. NISHIMATSU / G. FROMM	10/17/91
QUANTITIES BY: D. MCCORMICK	10/21/91
ORIGINAL PLAN	
NOTEBOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-I(65)	1992	20	309

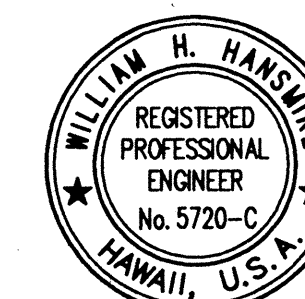
[illegible]

NOTES:

1. ESTIMATED QUANTITIES ARE PROVIDED FOR INFORMATION AND LIST SOME OF THE MAJOR ELEMENTS OF WORK ASSOCIATED WITH THE INDICATED LUMP SUM BID ITEMS AND SHOULD NOT BE CONSIDERED AS A COMPLETE LIST. FOR EACH BID ITEM, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH COMPLETE INSTALLATIONS IN ACCORDANCE WITH THE RESPECTIVE PLANS AND SPECIAL PROVISIONS.
2. QUANTITIES SHOWN DO NOT INCLUDE SPARE EQUIPMENT INDICATED IN THE RESPECTIVE SPECIAL PROVISIONS.

* INSTALLATION OF SIGNS AND SIGN STRUCTURES IS NIC

XX SIGNS AND SUPPORT STRUCTURES WILL NOT BE MANUFACTURED



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

OR UNDER MY SUPERVISION

William T. Vermin

3/8/96	REV. PER DCN 65-044
4/10/92	REVISED QUANTITIES AND NOTES.
DATE	REVISION
STATE OF MAINE DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <u>ESTIMATED QUANTITIES - 4</u> <u>GENERAL</u> INTERSTATE ROUTE H-3 <u>F.A.I. PROJ. NO. I-H3-1(65)</u>	
SCALE: NONE	
DATE: DEC 1991	
SHEET NO. 20 OF 20 SHEETS	