STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(206)	1987	2	40

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	07/01/86
B-13	Prestressed Concrete Piles	07/01/86
D-01	Chain Link Fence With Toprail	r03/06/87
D-02	Chain Link Fence Without Toprail	07/01/86
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	07/01/86
H-17	Inlet Structures	07/01/86
H-18	Flared End Section for Culverts	07/01/86
H-19	Outlet Structures	07/01/86
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	07/01/86
H-23	Hat Shaped Coupling Band	07/01/86

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	07/01/86
TE-05	Warning Signs	07/01/86
TE-06	Miscellaneous Signs	07/01/86
TE-07	Reserved	07/01/86
TE-08 ●	Construction Signs	07/01/86
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	Destination & Ground Mounted Expressway Signs	07/01/86
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	07/01/86
TE-31 ●	Miscellaneous Pavement Markings	07/01/86
TE-32 ●	Miscellaneous Pavement Markings	07/01/86
TE-33	Miscellaneous Pavement Markings	07/01/86
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	07/01/86
TE-39	Traffic Signal System, Miscellaneous Details	07/01/86
TE-40	Loop Detectors	r03/06/87
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	r03/06/87
TE-52 ●	Metal Guardrail with Rubrail	07/01/86
TE-53	Metal Guardrail with Rubrail at Obstruction	07/01/86
TE-54 ●	Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation)	07/01/86
TE-55	Metal Guardrail Connection to Concrete Barrier	07/01/86
TE-56	Concrete Barrier Transition	07/01/86
TE-57	Guardrail Type 3, Thrie Beam	r03/06/87
TE-58 ●	Approach End Flare, One & Two Way Roadway	07/01/86
TE-59 ●	Trailing End Flare, One & Two Way Roadway	r03/06/87
TE-60 ●	Anchor Block Details	07/01/86
TE-61 ●	Breakaway Cable Terminal (BCT)	r03/06/87
TE-62 ●	Breakaway Cable Terminal (BCT)	07/01/86
TE-63	Guardrail Type 4 (Rigid Barrier)	r03/06/87
TE-64 ●	Portable Concrete Guardrail	r03/06/87
TE-65	Reserved	07/01/86
TE-66 ●	Barricades	07/01/86
TE-67	Delineation & Pavement Markings at Bridges	07/01/86
TE-68	Wheelchair Ramps	07/01/86
TE-69	Wheelchair Ramps	07/01/86

SURVEY PLOTTED BY _____ DATE
DRAWN BY " "
TRACED BY " "
DESIGNED BY " "
QUANTITIES BY " "
CHECKED BY " "

ORIGINAL PLAN
NOTE BOOK
No. _____

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

DATE	REVISION
4/28/87	Added D-06, TE-52 & TE-54 per Addendum No. 1.
03/06/87	REVISED STANDARD PLANS D-01, TE-09, TE-40, TE-50, TE-51, TE-57, TE-59, TE-61, TE-63 AND TE-64.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

INTERSTATE ROUTE H-1
ADDITIONAL LANES, PHASE II
F.A.I. PROJ. NO. IR-HI-1(206)
Date: Jan., 1987

SHEET No. 1 OF 1 SHEETS

ADD. 2 R

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(206)	1987	3	40

GENERAL NOTES

1. The scope of work for this project consists of replacing existing median and right shoulders with A.C. or P.C.C. pavement; replacing existing metal guardrail with new metal guardrail; grooving existing P.C.C. pavement; modifying highway lighting standards; refurbishing destination signs; constructing drainage improvements; and installing striping, pavement marker and traffic signs.

2. The Contractor's attention is directed to Subsection 107.13-Public Convenience and Safety and to Section 645-Traffic Control of the Special Provisions.

3. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but accuracy is not guaranteed. The encountering of other obstacles during the course of the work may be possible. The Contractor shall be held liable for any damages incurred to the existing facilities as a result of his operations. All damaged portions shall be replaced in accordance with the Standards and Specifications of the State and/or the affected utility company.

4. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.

5. Existing P.C.C. pavement shall be grooved as specified in Section 655 of the Special Provisions. For detail and locations see Plan Sheet No. 6 .

6. Longitudinal Construction Joints shall be constructed as shown on the plans. The Contractor will be permitted to use either of the following for anchoring the tie bars at the longitudinal construction joints, as approved by the Engineer:
   a. 1¼-inch diameter drilled holes with #5 deformed bars and epoxy grout.
   b. Capsule Anchoring System consisting of ¾-inch diameter drilled holes with #5 deformed bars with 2 capsules per drilled hole per manufacturer's recommendation and as approved by the Engineer.

   Tie bars and epoxy grout/capsules will not be paid for separately and shall be considered incidental to Portland Cement Concrete (P.C.C.) Pavement. The 1¼-inch or ¾-inch diameter drilled holes will be measured per each and paid for under Item No. 411.5000-Drilled Hole for Tie Bar.

7. The drilled holes for longitudinal construction joints shall be made a minimum of 12" and a maximum of 18" from existing traverse contraction joints.

8. New P.C.C. pavement is to be longitudinally grooved as specified in Subsection 411.03(M)(7) of the Special Provisions.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

INTERSTATE ROUTE H-1
ADDITIONAL LANES, PHASE II
FAI Project No. IR-HI-1(206)

Date: Feb. 1987

SHEET No. 1 OF 1 SHEETS