STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	PRÓJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	450B-02-88	1988	2	9

B-02		
D-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	r 03/06/8
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
D-13 H-01	Field Office & Project Site Laboratory Type A, B, C and D Catch Basin	
		07/01/86
H-01	Type A, B, C and D Catch Basin	07/01/86 07/01/86
H-01 H-02	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin	07/01/86 07/01/86 07/01/86
H-01 H-02 H-03	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin	07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins	07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 a 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 a 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17 H-18	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 a 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17 H-18 H-19	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts Outlet Structures	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-01 H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-18 H-19 H-20	Type A, B, C and D Catch Basin Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 a 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts Outlet Structures Concrete Spillway Inlet	07/01/86 07/01/86

Standard Plan No.

Notes and Miscellaneous Details

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	r 09 /0 1 / 87
TE-07	Reserved	07/01/86
TE-08	Construction Signs	r09/01/87
TE-09	Miscellaneous Intersection Signs	r 03/06/87
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	r09/01/87
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	r03/06/8
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	r 03/06/87
TE-51	Metal Guardrail	r09/01/87
TE-52	Metal Guardrail with Rubrail	07/01/86
TE-53	Metal Guardrail with Rubrail at Obstruction	r 09 /01 /87
TE-54	Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation)	r09/01/87
TE-55	Metal Guardrail Connection to Concrete Barrier	r09/01/87
TE-56	Concrete Barrier Transition	07/01/86
TE-57	Guardrail Type 3, Thrie Beam	r09/01/87
TE-58	Approach End Flare, One & Two Way Roadway	07/01/86
TE-59	Trailing End Flare, One & Two Way Roadway	r 09 /01 / 87
TE-60	Anchor Block Details	07/01/86
TE-61	Breakaway Cable Terminal (BCT)	r 03/06/87
TE-62	Breakaway Cable Terminal (BCT)	r09/01/87
TE-63	Guardrail Type 4 (Rigid Barrier)	r09/01/87
TE-64	Portable Concrete Guardrail	r 03/06/87
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	07/01/86
TE-69	Wheelchair Ramps	r09/01/87

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

÷	03/06/87	TE-08, TE-32, TE-51, TE-53, TE-54, TE-55, TE-57, TE-59, TE-62, TE-63, TE-65 & TE-69. REVISED STANDARD PLANS D-01, TE-09,
	DATE	TE-40, TE-50, TE-51, TE-57, TE-59, TE-61, TE-63 AND TE-64. REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

KAMEHAMEHA I HIGHWAY SHOULDER IMPROVEMENTS Project No. 4508-02-88

Date: Sept., 1987 SHEET No. / OF / SHEETS