STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR		TOTAL SHEETS
OAHU	HAW.	STP-083-1(45)	2000	ADD.2	39

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

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

Type A, B, C and D Catch Basin

Type A1, B1, C1 and D1 Catch Basin

H-03 Type A2, B2, C2 and D2 Catch Basin H-04 Typical Reinforcing Details for Catch Basins H-05 Type A, B and C Storm Drain Manhole H-06 Type D and E Storm Drain Manhole H-07 Type F Storm Drain Manhole H-08 Catch Basin and Manhole Casting H-09 Type A-9 and A-9P Frames and Grates H-10 Type 61614 and 61214 Grated Drop Inlet H-12 Type 61616 Grated Drop Inlet H-13 • 61214, 61614 & 61616 Steel Frames and Grates H-14 61214B Steel Frame and Grates H-15 61614B Steel Frame and Grates H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint H-23 Hat Shaped Coupling Band			
H-05 Type A, B and C Storm Drain Manhole H-06 Type D and E Storm Drain Manhole H-07 Type F Storm Drain Manhole H-08 Catch Basin and Manhole Casting H-09 Type A-9 and A-9P Frames and Grates H-10 Type A-9B Frames and Grates H-11 Type 61614 and 61214 Grated Drop Inlet H-12 Type 61616 Grated Drop Inlet H-13 61214, 61614 & 61616 Steel Frames and Grates H-14 61214B Steel Frame and Grates H-15 61614B Steel Frame and Grates H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-03 ·	Type A2, B2, C2 and D2 Catch Basin	
H-06 Type D and E Storm Drain Manhole H-07 Type F Storm Drain Manhole H-08 Catch Basin and Manhole Casting H-09 Type A-9 and A-9P Frames and Grates H-10 Type A-9B Frames and Grates H-11 Type 61614 and 61214 Grated Drop Inlet H-12 Type 61616 Grated Drop Inlet H-13 61214, 61614 & 61616 Steel Frames and Grates H-14 61214B Steel Frame and Grates H-15 61614B Steel Frame and Grates H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-04	Typical Reinforcing Details for Catch Basins	Charles Annie de La recentina de la complexión de la comp
H-07 Type F Storm Drain Manhole H-08 Catch Basin and Manhole Casting H-09 Type A-9 and A-9P Frames and Grates H-10 Type A-9B Frames and Grates H-11 Type 61614 and 61214 Grated Drop Inlet H-12 Type 61616 Grated Drop Inlet H-13 61214, 61614 & 61616 Steel Frames and Grates H-14 61214B Steel Frame and Grates H-15 61614B Steel Frame and Grates H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-05	Type A, B and C Storm Drain Manhole	
H-08 Catch Basin and Manhole Casting H-09 Type A-9 and A-9P Frames and Grates H-10 Type A-9B Frames and Grates H-11 ● Type 61614 and 61214 Grated Drop Inlet H-12 Type 61616 Grated Drop Inlet H-13 ● 61214, 61614 & 61616 Steel Frames and Grates H-14 61214B Steel Frame and Grates H-15 61614B Steel Frame and Grates H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-06 ·	Type D and E Storm Drain Manhole	
H-09 Type A-9 and A-9P Frames and Grates H-10 Type A-9B Frames and Grates H-11 Type 61614 and 61214 Grated Drop Inlet H-12 Type 61616 Grated Drop Inlet H-13 61214, 61614 & 61616 Steel Frames and Grates H-14 61214B Steel Frame and Grates H-15 61614B Steel Frame and Grates H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-07 ·	Type F Storm Drain Manhole	
H-10 Type A-9B Frames and Grates H-11 ● Type 61614 and 61214 Grated Drop Inlet H-12 Type 61616 Grated Drop Inlet H-13 ● 61214, 61614 & 61616 Steel Frames and Grates H-14 61214B Steel Frame and Grates H-15 61614B Steel Frame and Grates H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-08	Catch Basin and Manhole Casting	
H-11 ● Type 61614 and 61214 Grated Drop Inlet H-12 Type 61616 Grated Drop Inlet H-13 ● 61214, 61614 & 61616 Steel Frames and Grates H-14 61214B Steel Frame and Grates H-15 61614B Steel Frame and Grates H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-09	Type A-9 and A-9P Frames and Grates	
H-12 Type 61616 Grated Drop Inlet H-13 ● 61214, 61614 & 61616 Steel Frames and Grates H-14 61214B Steel Frame and Grates H-15 61614B Steel Frame and Grates H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-10	Type A-9B Frames and Grates	
H-13 ● 61214, 61614 & 61616 Steel Frames and Grates H-14 61214B Steel Frame and Grates H-15 61614B Steel Frame and Grates H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H−11 •	Type 61614 and 61214 Grated Drop Inlet	
H-14 61214B Steel Frame and Grates H-15 61614B Steel Frame and Grates H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-12	Type 61616 Grated Drop Inlet	
H-15 : 61614B Steel Frame and Grates H-16 : Concrete and Cement Rubble Masonry Structures H-17 : Inlet Structures H-18 : Flared End Section for Culverts H-19 : Outlet Structures H-20 : Concrete Spillway Inlet H-21 : 18" Slotted C.M.P. Drain H-22 : C.M.P. Coupling Details Standard Joint	H−13 •	61214, 61614 & 61616 Steel Frames and Grates	Martin Charles and Annual Annual Charles and Charles
H-16 Concrete and Cement Rubble Masonry Structures H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H–14 ·	61214B Steel Frame and Grates	
H-17 Inlet Structures H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-15	61614B Steel Frame and Grates	
H-18 Flared End Section for Culverts H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-16 ·	Concrete and Cement Rubble Masonry Structures	
H-19Outlet StructuresH-20Concrete Spillway InletH-2118" Slotted C.M.P. DrainH-22C.M.P. Coupling Details Standard Joint	H-17 ·	Inlet Structures	
H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-18 ·	Flared End Section for Culverts	
H-21 18" Slotted C.M.P. Drain H-22 C.M.P. Coupling Details Standard Joint	H-19 ·	Outlet Structures	
H-22 C.M.P. Coupling Details Standard Joint	H-20 ·		
	H-21 ·	18" Slotted C.M.P. Drain	,
H-23 Hat Shaped Coupling Band	H-22	C.M.P. Coupling Details Standard Joint	
	H-23	Hat Shaped Coupling Band	7

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

STANDARD PLAN NO.	TITLE	DATE
TE-45	Reserved	
TE-46	Reserved	
TE-47 ·	Reserved	
TE-48 ·	Reserved	
TE-49	Reserved	
TE-50 ●	Metal Guardrail (SEE ADDENDUM SKC-32, FOR SPACER BLOCK REQUIREMENTS) /2	
TE-51	Metai Guardrail	
TE-52 ●	Metal Guardrail with Rubrail	
TE-53	Metal Guardrail with Rubrail at Obstruction	
TE-54	Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation)	
TE-55 ·	Metal Guardrail Connection to Concrete Barrier	
TE-56 ·	Concrete Barrier Transition	
TE-57	Guardrail Type 3, Thrie Beam	
TE-57A	Guardrail Type 3, Modified Thrie Beam	
TE-58	Approach End Flare, One & Two Way Roadway	
TE-59 ●	Trailing End Flare, One & Two Way Roadway	
TE-60 ●	Anchor Block Details	
TE-61	Breakaway Cable Terminal (BCT)	
TE-62	Breakaway Cable Terminal (BCT)	
TE-63 ●	Guardrail Type 4 (Rigid Barrier)	
TE-64	Portable Concrete Barrier	
TE-65 ●	Guardrail Type 4, Miscellaneous	
TE-66	Barricades	
TE-67	Delineation & Pavement Markings at Bridges	
TE-68	Wheelchair Ramps	
TE-69 ·	Wheelchair Ramps	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY KAMEHAMEHA HIGHWAY

WAIMEA BAY
EMERGENCY ROCKFALL REMEDIATION

FEDERAL-AID PROJECT NO. STP-083-1(45)
Scale: As Shown Date: April 2000

SHEET No. 2 OF 39 SHEETS

