## STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(42)	1998	2	35

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
		7

D-01	Chain Link Fence With Toprail	r03/06/8
D-02	Chain Link Fence Without Toprail	r07/26/9
D-03	Wire Fence With Metal Posts	07/01/8
D-04 •	Typical Details of Curbs and/or Gutters	07/01/8
D-05	Typical Details of Reinforced Concrete Drop Driveway	07/01/8
D-06 •	Centerline and Reference Survey Monument	07/01/8
D-07	Street Survey Monument	07/01/8
D-08	Landscaping Shrub and Tree Planting	07/01/8
D-09	Field Office	07/01/8
D-10	Field Office	07/01/8
D-11	Project Site Laboratory	07/01/8
D-12	Project Site Laboratory	07/01/8
D-13	Field Office & Project Site Laboratory	07/01/8

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       612148 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-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			
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-20         Concrete Spillway Inlet         07/01/86           H-21         18" Slotted C.M.P. Drain         07/01/86           H-22         C.M.P. Coupling D	H-02	Type A1. B1. C1 and D1 Catch Basin	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-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-03	Type A2, B2, C2 and D2 Catch Basin	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 Crated 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       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       r10/16/90	H-04	Typical Reinforcing Details for Catch Basins	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         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         r10/16/90	H-05	Type A. B and C 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       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       r10/16/90	H-06	Type D and E Storm Drain Manhole	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       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       r10/16/90	H-07	Type F Storm Drain Manhole	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 H-20 Concrete Spillway Inlet 07/01/86 H-21 18" Slotted C.M.P. Drain 07/01/86	H-08	Catch Basin and Manhole Casting	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       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       r10/16/90	H-09	Type A-9 and A-9P Frames and Grates	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       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       r10/16/90	H-10	Type A-9B Frames and Grates	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       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       r10/16/90	H-11	Type 61614 and 61214 Grated Drop Inlet	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 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-12	Type 61616 Grated Drop Inlet	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 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-13	61214, 61614 & 61616 Steel Frames 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 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-14	61214B Steel Frame and Grates	07/01/86
H-17 Inlet Structures r10/16/90 H-18 Flared End Section for Culverts 07/01/86 H-19 Outlet Structures 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-15	61614B Steel Frame and Grates	07/01/86
H-18Flared End Section for Culverts07/01/86H-19Outlet Structures07/01/86H-20Concrete Spillway Inlet07/01/86H-2118" Slotted C.M.P. Drain07/01/86H-22C.M.P. Coupling Details Standard Jointr10/16/90	H-16	Concrete and Cement Rubble Masonry Structures	r10/16/90
H-19Outlet StructuresH-20Concrete Spillway Inlet07/01/86H-2118" Slotted C.M.P. Drain07/01/86H-22C.M.P. Coupling Details Standard Jointr10/16/90	H-17	Inlet Structures	r10/16/90
H-20Concrete Spillway Inlet07/01/86H-2118" Slotted C.M.P. Drain07/01/86H-22C.M.P. Coupling Details Standard Jointr10/16/90	H-18	Flared End Section for Culverts	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-19	Outlet Structures	
H-22 C.M.P. Coupling Details Standard Joint r10/16/90	H-20	Concrete Spillway Inlet	07/01/86
	H-21	18" Slotted C.M.P. Drain	07/01/86
H-23 Hat Shaped Coupling Band r10/16/90	H-22	C.M.P. Coupling Details Standard Joint	r10/16/90
	H-23	Hat Shaped Coupling Band	r10/16/90

STANDARE PLAN NO	1 1 1 1 1 1	DATE
TE-01 ●	Miscellaneous Sign Details	07/01/8
TE-02 ●	Galvanized Flanged Channel Sign Post Mounting	07/01/8
TE-03 •	Galvanized Square Tube Sign Post Mounting	07/01/8
TE-04 ●	Regulatory Signs	r09/01/8
TE-05 •	Warning Signs	07/01/8
TE-06 •	Miscellaneous Signs	r11/03/89
TE-07	Reserved	07/01/8
TE-08	Construction Signs	r09/01/8
TE-09 ●	Miscellaneous Intersection Signs	r03/06/8
TE-10	Reserved	07/01/8
TE-11	Bike Route Sign and Supplementary Plates	07/01/8
TE-12 ●	State Route Marker and Auxiliary Markers	07/01/8
TE-13 ●	Interstate Route Marker	07/01/8
TE-14 ●	State Route Marker and Border Detail for Guide Signs	07/01/8
TE-15 ●	Route Marker Assemblies	07/01/8
TE-16 ●	Miscellaneous Reflector Markers	07/01/8
TE-17 ●	Type II Object Markers	07/01/8
TE-18 ●	Mileposts	07/01/8
TE-19	Reserved	07/01/8
TE-20	Overhead Sign Supports	07/01/8
TE-21	Overhead Sign Support, Box Truss Type, Aluminum	07/01/8
TE-22	Foundation Details and Schedules	07/01/8
TE-23	Supports for Ground Mounted Guide Sign	r11/03/89
TE-24	Breakaway Sign Supports for Ground Mounted Guide Signs	07/01/8
TE-25	Laminated Aluminum Sign Panels (Overhead)	07/01/8
TE-26	Laminated Aluminum Sign Panels (Ground Mounted)	07/01/8
TE-27	Solid Aluminum Extruded Sign Panel and Accessory Details	07/01/8
TE-28	Guide Signs Luminaire Mountings	07/01/8
TE-29	Reserved	07/01/8
TE-30 •	Raised Pavement Markers and Striping	r05/09/9
TE-31 •	Miscellaneous Pavement Markings	r05/09/9
TE-32 •	Miscellaneous Pavement Markings	r05/09/9
TE-33 •	Miscellaneous Pavement Markings	r11/03/8
TE-34	Reserved	07/01/8
TE-35 ●	Pavement Alphabets, Numbers & Symbols	07/01/8
TE-36 ●	Pavement Alphabets, Numbers & Symbols	07/01/8
TE-37	Reserved	07/01/8
TE-38	Traffic Signal System, Miscellaneous Details	r11/03/8
TE-39	Traffic Signal System, Miscellaneous Details	07/01/8
TE-40	Loop Detectors	r11/03/8
TE-41	Pullboxes	07/01/8
TE-42	Type III Traffic Signal Standard	07/01/8
TE-43	Concrete Pullbox (2' x 3')	07/01/8
TE-44	Reserved	07/01/8

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	r07/18/94
TE-69	Wheelchair Ramps	r07/18/94

## NOTE:

STANDARD PLANS APPLICABLE TO THIS PROJECT ARE INDICATED BY A " ● " NEXT TO THE STANDARD PLAN NO. (FOR EXAMPLE :  $D-07 \bullet$ )

07/18/94 | REVISED TE-68 & TE-69 02/15/91 REVISED H-19 10/16/90 REVISED H-16, H-17, H-22 & H-23 07/26/90 REVISED D-02 07/16/90 REVISED B-12 & B-13

05/09/90 REVISED TE-30, TE-31 & T-32 11/03/89 REVISED 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. ADDED TE-57A 09/01/87 REVISED TE-04, TE-6, 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 D-01, TE-09, TE-40, TE-50, TE-51, TE-57, TE-59, TE-61, TE-63 & TE-64

REVISION

DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

## STANDARD PLANS SUMMARY

KUHIO HIGHWAY REHABILITATION Wailapa Road to Vicinity of Koolau Road Federal Aid Proj. No. STP-056-1(42) Date: May, 1998

SHEET No. 1 OF 1 SHEETS



