## STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-04M	2005	2	19

STANDARD PLAN NO.	TITIE	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-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 10/16/90 H-17 Inlet Structures 10/16/90 H-18 Flared End Section for Culverts 07/01/86 H-19 Outlet Structures 18″ Slotted C.M.P. Drain 07/01/86 H-22 C.M.P. Coupling Details Standard Joint 10/16/90	H-01	Type A, B, C and D Catch Basin	07/01/86
H-04 ● Typical Reinforcing Details for Catch Basins  H-05 Type A₁ B and C Storm Drain Manhole  H-06 Type D and E Storm Drain Manhole  Type F Storm Drain Manhole  O7/01/86  H-07 Type F Storm Drain Manhole  Catch Basin and Manhole Casting  H-08 Catch Basin and Manhole Casting  H-09 Type A-9 and A-9P Frames and Grates  O7/01/86  H-10 Type A-9B Frames and Grates  O7/01/86  H-11 ● Type 61614 and 61214 Grated Drop Inlet  Type 61616 Grated Drop Inlet  O7/01/86  H-12 Type 61616 Grated Drop Inlet  O7/01/86  H-13 61214, 61614 & 61616 Steel Frames and Grates  O7/01/86  H-14 61214B Steel Frame and Grates  O7/01/86  H-15 61614B Steel Frame and Grates  O7/01/86  H-16 Concrete and Cement Rubble Masonry Structures  H-17 Inlet Structures  H-18 Flared End Section for Culverts  O7/01/86  H-19 Outlet Structures  H-20 Concrete Spillway Inlet  O7/01/86  H-21 18" Slotted C.M.P. Drain  O7/01/86	H-02	Type A1, B1, C1 and D1 Catch Basin	07/01/86
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  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  Type 61616 Grated Drop Inlet  Type 61614 & 61616 Steel 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-20 Concrete Spillway Inlet  H-22 C.M.P. Coupling Details Standard Joint  r10/16/90  T70/1/86	H-03	Type A2, B2, C2 and D2 Catch Basin	07/01/86
H-06 H-07 Type F Storm Drain Manhole H-08 Catch Basin and Manhole Casting O7/01/86 H-09 Type A-9 and A-9P Frames and Grates O7/01/86 H-10 Type A-9B Frames and Grates O7/01/86 H-11 ■ Type 61614 and 61214 Grated Drop Inlet O7/01/86 H-12 Type 61616 Grated Drop Inlet O7/01/86 H-13 G1214, 61614 & 61616 Steel Frames and Grates O7/01/86 H-14 G1214B Steel Frame and Grates O7/01/86 H-15 G1614B Steel Frame and Grates O7/01/86 H-16 Concrete and Cement Rubble Masonry Structures T10/16/90 H-17 Inlet Structures Flared End Section for Culverts O7/01/86 H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain O7/01/86 H-22 C.M.P. Coupling Details Standard Joint T70/16/90	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 10/16/90 H-17 Inlet Structures 10/16/90 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 10/16/90	H-05	Type A, B and C Storm Drain Manhole	07/01/86
H-08	H-06	Type D and E Storm Drain Manhole	07/01/86
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  Type 61616 Grated Drop Inlet  O7/01/86  H-12 Type 61616 Grated Drop Inlet  O7/01/86  H-13 61214, 61614 & 61616 Steel Frames and Grates  O7/01/86  H-14 61214B Steel Frame and Grates  O7/01/86  H-15 61614B Steel Frame and Grates  O7/01/86  H-16 Concrete and Cement Rubble Masonry Structures  H-17 Inlet Structures  T10/16/90  H-18 Flared End Section for Culverts  O7/01/86  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  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-22 C.M.P. Coupling Details Standard Joint r10/16/90	H-08	Catch Basin and Manhole Casting	07/01/86
H-11	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-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-16	Concrete and Cement Rubble Masonry Structures	r10/16/90
H-19 Outlet Structures H-20 Concrete Spillway Inlet H-21 18" Slotted C.M.P. Drain O7/01/86 H-22 C.M.P. Coupling Details Standard Joint r10/16/90	H-17	Inlet Structures	r10/16/90
H-20 Concrete Spillway Inlet  H-21 18" Slotted C.M.P. Drain  H-22 C.M.P. Coupling Details Standard Joint  710/16/90	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
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STANDARD PLAN NO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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	r09/01/8
TE-09	Miscellaneous Intersection Signs	r03/06/8
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	07/01/80
TE-16 ●	Miscellaneous Reflector Markers	07/01/80
TE-17 •	Type II Object Markers	07/01/8
TE-18 •	Mileposts	07/01/80
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		r11/03/8
	Miscellaneous Pavement Markings Reserved	07/01/8
TE-34		
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	07/01/80
TE-43	Concrete Pullbox (2' x 3')	07/01/80
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-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 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

KUHIO HIGHWAY RESURFACING <u>Vicinity of Moloaa</u> Project No. 56C-01-04M

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

Date: May 2005

SHEET No. 1 OF 1 SHEETS

