STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.		SHEET NO.	
HAWAII	HAW.	DE-0200(803)	2000	2	79

STAND PLAN		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

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	07/01/8
D-07	Street Survey Monument	07/01/8
D-08	Landscaping Shrub and Tree Planting	07/01/8
D-09	Field Office	07/01/80
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

07/01/86

Type A, B, C and D Catch Basin

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 r10/16/90 H-17 Inlet Structures r10/16/90 H-18 Flared End Section for Culverts 07/01/86 H-19 Qutlet Structures r02/15/91 H-20 Concrete Spillway Inlet 07/01/86 H-21 18" Slotted C.M.P. Drain 07/01/86			1
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 r02/15/91 H-20 Concrete Spillway Inlet 07/01/86 H-21 18" Slotted C.M.P. Drain 07/01/86	H-02	Type A1, B1, C1 and D1 Catch Basin	07/01/86
H-05 ■ Type A, B and C Storm Drain Manhole 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-19 Outlet Structures r02/15/91 H-20 Concrete Spillway Inlet 07/01/86 H-21 18" Slotted C.M.P. Drain 07/01/86	H-03	Type A2, B2, C2 and D2 Catch Basin	07/01/86
H-06 Type D and E Storm Drain Manhole H-07 Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates 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 Type 61614 & 61614 & 61616 Steel Frames and Grates 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 r10/16/90 H-18 Flared End Section for Culverts O7/01/86 H-19 Outlet Structures r02/15/91 H-20 Concrete Spillway Inlet U7/01/86 H-21 18" Slotted C.M.P. Drain O7/01/86 H-22 C.M.P. Coupling Details Standard Joint O7/01/86	H-04 •	Typical Reinforcing Details for Catch Basins	07/01/86
H-07 Type F Storm Drain Manhole H-08	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	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 r02/15/91 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 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 r10/16/90 H-18 Flared End Section for Culverts O7/01/86 H-19 Outlet Structures r02/15/91 H-20 Concrete Spillway Inlet U7/01/86 H-21 18" Slotted C.M.P. Drain O7/01/86 H-22 ■ C.M.P. Coupling Details Standard Joint O7/01/89	H-09 •	Type A-9 and A-9P Frames and Grates	07/01/86
H-12	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 r02/15/91 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	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 r02/15/91 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 r02/15/91 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 r02/15/91 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 r02/15/91 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 r02/15/91 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-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	r02/15/91
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

STANDARD PLAN NO.	TITLE	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	r11/03/8
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	r11/03/8
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 60	Whoelchair Ramps	111/03/09
TE 69	Whoolehair Rampa	-111/03/09

NOTE:

STANDARD PLANS APPLICABLE TO THIS PROJECT ARE INDICATED BY A " ● " NEXT TO THE STANDARD PLAN NO. (FOR EXAMPLE: D-O7 ●)

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 & TE-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
REVISED TE-04.TE-06. 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

KAMEHAMEHA HIGHWAY

Intersection Improvements at

Leilehua Golf Course Road

Fed. Aid Project No. DE-0200(803)

Date: *Apr. 26, 2000*SHEET No. 1 OF 1 SHEETS

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