STANDARD PLANS SUMMARY

FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.		1000	2	68

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	6	
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 03/06/87
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
H-01	Type A, B, C and D Catch Basin	07/01/86
H-02	Type A1, B1, G1 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	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	07/01/86
H-17	Inlet Structures	07/01/86
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	07/01/86
* ************************************		07/01/96

Hat Shaped Coupling Band

07/01/86

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
		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	
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

TE-46 Reserved 07 TE-47 Reserved 07 TE-48 Reserved 07 TE-49 Reserved 07 TE-50 Metal Guardrail r03 TE-51 Metal Guardrail with Rubrail r09 TE-52 Metal Guardrail with Rubrail at Obstruction r09 TE-53 Metal Guardrail with Rubrail at Obstruction (Shoulder Installation) r09 TE-54 Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation) r09 TE-55 Metal Guardrail Connection to Concrete Barrier r09 TE-56 Concrete Barrier Transition 07 TE-57 Guardrail Type 3, Thrie Beam r09 TE-58 Approach End Flare, One & Two Way Roadway 07 TE-59 Trailing End Flare, One & Two Way Roadway r09 TE-60 Anchor Block Details n07 TE-61 Breakaway Cable Terminal (BCT) r09 TE-62 Breakaway Cable Terminal (BCT) r09 TE-65 Guardrail Type 4 (Rigid Barrier) r09 TE-66	Date	dard No.	
TE-47 Reserved 07 TE-48 Reserved 07 TE-49 Reserved 07 TE-50 Metal Guardrail r03 TE-51 Metal Guardrail r09 TE-52 Metal Guardrail with Rubrail 07 TE-53 Metal Guardrail with Rubrail at Obstruction r09 TE-54 Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation) r09 TE-55 Metal Guardrail Connection to Concrete Barrier r09 TE-56 Concrete Barrier Transition 07 TE-57 Guardrail Type 3, Thrie Beam r09 TE-58 Approach End Flare, One & Two Way Roadway r09 TE-59 Trailing End Flare, One & Two Way Roadway r09 TE-60 Anchor Block Details 07 TE-61 Breakaway Cable Terminal (BCT) r02 TE-62 Breakaway Cable Terminal (BCT) r09 TE-63 Guardrail Type 4 (Rigid Barrier) r09 TE-64 Portable Concrete Guardrail r09 TE-65 Guordrail Type 4, Miscelloneo	7/01/86	-45 Reserved	
TE-48 Reserved 07 TE-49 Reserved 07 TE-50 Metal Guardrail ro3 TE-51 Metal Guardrail ro9 TE-52 Metal Guardrail with Rubrail 07 TE-53 Metal Guardrail with Rubrail at Obstruction ro9 TE-54 Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation) ro9 TE-55 Metal Guardrail Connection to Concrete Barrier ro9 TE-56 Concrete Barrier Transition 07 TE-57 Guardrail Type 3, Thrie Beam ro9 TE-58 Approach End Flare, One & Two Way Roadway 07 TE-59 Trailing End Flare, One & Two Way Roadway ro9 TE-60 Anchor Block Details 07 TE-61 Breakaway Cable Terminal (BCT) ro9 TE-62 Breakaway Cable Terminal (BCT) ro9 TE-63 Guardrail Type 4 (Rigid Barrier) ro9 TE-64 Portable Concrete Guardrail ro9 TE-65 Guordroil Type 4, Miscelloneous ro9 TE-66 Barric	7/01/86	-46 Reserved	
TE-49 Reserved 07 TE-50 Metal Guardrail r.03 TE-51 Metal Guardrail r.09 TE-52 Metal Guardrail with Rubrail at Obstruction r.09 TE-53 Metal Guardrail with Rubrail at Obstruction (Shoulder Installation) r.09 TE-54 Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation) r.09 TE-55 Metal Guardrail Connection to Concrete Barrier r.09 TE-56 Concrete Barrier Transition 07 TE-57 Guardrail Type 3, Thrie Beam r.09 TE-58 Approach End Flare, One & Two Way Roadway r.09 TE-59 Trailing End Flare, One & Two Way Roadway r.09 TE-60 Anchor Block Details 07 TE-61 Breakway Cable Terminal (BCT) r.03 TE-62 Breakway Cable Terminal (BCT) r.09 TE-63 Guardrail Type 4 (Rigid Barrier) r.09 TE-64 Portable Concrete Guardrail r.09 TE-65 Guardrail Type 4, Miscellaneous r.09 TE-66 Barricades 07 <	7/01/86	-47 Reserved	
TE-50	7/01/86	48 Reserved	
TE-51	7/01/86	Reserved	
TE-52 Metal Guardrail with Rubrail 07 TE-53 Metal Guardrail with Rubrail at Obstruction r09 TE-54 Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation) r09 TE-55 Metal Guardrail Connection to Concrete Barrier r09 TE-56 Concrete Barrier Transition 07 TE-57 Guardrail Type 3, Thrie Beam r09 TE-58 Approach End Flare, One & Two Way Roadway 07 TE-59 Trailing End Flare, One & Two Way Roadway r09 TE-60 Anchor Block Details 07 TE-61 Breakaway Cable Terminal (BCT) r03 TE-62 Breakaway Cable Terminal (BCT) r09 TE-63 Guardrail Type 4 (Rigid Barrier) r09 TE-64 Portable Concrete Guardrail r03 TE-65 Guardrail Type 4, Miscellaneous r09 TE-66 Barricades 07 TE-67 Delineation & Pavement Markings at Bridges 07 TE-68 Wheelchair Ramps 07 TE-69 Wheelchair Ramps r09	3/06/87	-50 • Metal Guardrail	
TE-53 Metal Guardrail with Rubrail at Obstruction (Shoulder Installation) (709) TE-54 Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation) (709) TE-55 Metal Guardrail Connection to Concrete Barrier (709) TE-56 Concrete Barrier Transition (709) TE-57 Guardrail Type 3, Thrie Beam (709) TE-58 Approach End Flare, One & Two Way Roadway (709) TE-59 Trailing End Flare, One & Two Way Roadway (709) TE-60 Anchor Block Details (709) TE-61 Breakaway Cable Terminal (BCT) (709) TE-62 Breakaway Cable Terminal (BCT) (709) TE-63 Guardrail Type 4 (Rigid Barrier) (709) TE-64 Portable Concrete Guardrail (709) TE-65 Guardrail Type 4, Miscellaneous (709) TE-66 Barricades (709) TE-67 Delineation & Pavement Markings at Bridges (709) TE-68 Wheelchair Ramps (709)	9/01/87	-51 • Metal Guardrail	
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-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 Guardrail TE-65 Guordroil Type 4, Miscellaneous TE-66 Barricades TE-67 Delineation & Pavement Markings at Bridges TE-68 Wheelchair Ramps TE-69 Wheelchair Ramps	7/01/86	-52 Metal Guardrail with Rubrail	
TE-55 Metal Guardrail Connection to Concrete Barrier TE-56 Concrete Barrier Transition TE-57 Guardrail Type 3, Thrie Beam r09 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 Guardrail TE-65 Guardrail Type 4, Miscellaneous TE-66 Barricades TE-67 Delineation & Pavement Markings at Bridges TE-68 Wheelchair Ramps TE-69 Wheelchair Ramps r09	9 /01 /87	Metal Guardrail with Rubrail at Obstruction	
TE-56 Concrete Barrier Transition 07 TE-57 Guardrail Type 3, Thrie Beam ro9 TE-58 Approach End Flare, One & Two Way Roadway 07 TE-59 Trailing End Flare, One & Two Way Roadway ro9 TE-60 Anchor Block Details 07 TE-61 Breakaway Cable Terminal (BCT) ro9 TE-62 Breakaway Cable Terminal (BCT) ro9 TE-63 Guardrail Type 4 (Rigid Barrier) ro9 TE-64 Portable Concrete Guardrail ro3 TE-65 Guardrail Type 4, Miscellaneous ro9 TE-66 Barricades 07 TE-67 Delineation & Pavement Markings at Bridges 07 TE-68 Wheelchair Ramps 07 TE-69 Wheelchair Ramps ro9	9/01/87	Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation)	
TE-57 Guardrail Type 3, Thrie Beam r09 TE-58 Approach End Flare, One & Two Way Roadway 07 TE-59 Trailing End Flare, One & Two Way Roadway r09 TE-60 Anchor Block Details 07 TE-61 Breakaway Cable Terminal (BCT) r03 TE-62 Breakaway Cable Terminal (BCT) r09 TE-63 Guardrail Type 4 (Rigid Barrier) r09 TE-64 Portable Concrete Guardrail r09 TE-65 Guardrail Type 4, Miscellaneous r09 TE-66 Barricades 07 TE-67 Delineation & Pavement Markings at Bridges 07 TE-68 Wheelchair Ramps 07 TE-69 Wheelchair Ramps r09	9/01/87	Metal Guardrail Connection to Concrete Barrier	
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 Guardrail TE-65 Guardrail Type 4, Miscellaneous TE-66 Barricades TE-67 Delineation & Pavement Markings at Bridges TE-68 Wheelchair Ramps TE-69 Wheelchair Ramps TO9	07/01/86	C-56 Concrete Barrier Transition	
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 Guardrail TE-65 Guardrail Type 4, Miscellaneous TE-66 Barricades TE-67 Delineation & Pavement Markings at Bridges TE-68 Wheelchair Ramps TE-69 Wheelchair Ramps TO9	9/01/87	Guardrail Type 3, Thrie Beam	
TE-60 Anchor Block Details	07/01/86	E-58 • Approach End Flare, One & Two Way Roadway	
TE-61	9/01/87		
TE-62 Breakaway Cable Terminal (BCT) TE-63 Guardrail Type 4 (Rigid Barrier) TE-64 Portable Concrete Guardrail TE-65 Guardrail Type 4, Miscellaneous TE-66 Barricades TE-67 Delineation & Pavement Markings at Bridges TE-68 Wheelchair Ramps TE-69 Wheelchair Ramps ro9	07/01/86	2-60 • Anchor Block Details	
TE-63 Guardrail Type 4 (Rigid Barrier) TE-64 Portable Concrete Guardrail TE-65 Guardrail Type 4, Miscellaneous TE-66 Barricades TE-67 Delineation & Pavement Markings at Bridges TE-68 Wheelchair Ramps TE-69 Wheelchair Ramps r09 r09	03/06/87	Breakaway Cable Terminal (BCT)	
TE-63 Guardrail Type 4 (Rigid Barrier) TE-64 Portable Concrete Guardrail TE-65 Guardrail Type 4, Miscellaneous TE-66 Barricades TE-67 Delineation & Pavement Markings at Bridges TE-68 Wheelchair Ramps O7 TE-69 Wheelchair Ramps ro9 ro9 ro9 ro9 ro9 ro9	9/01/87	Breakaway Cable Terminal (BCT)	
TE-65 Guardrail Type 4, Miscellaneous rO9 TE-66 Barricades 07 TE-67 Delineation & Pavement Markings at Bridges 07 TE-68 Wheelchair Ramps 07 TE-69 Wheelchair Ramps rO9	9/01/87	Guardrail Type 4 (Rigid Barrier)	
TE-66 Barricades TE-67 Delineation & Pavement Markings at Bridges TE-68 Wheelchair Ramps TE-69 Wheelchair Ramps rO9	03/06/87	E-64 Portable Concrete Guardrail	
TE-67 Delineation & Pavement Markings at Bridges 07 TE-68 Wheelchair Ramps 07 TE-69 Wheelchair Ramps r09	9/01/87	E-65 Guardrail Type 4, Miscellaneous	
TE-68 Wheelchair Ramps 07 TE-69 Wheelchair Ramps r09	07/01/86	E-66 Barricades	
TE-69 Wheelchair Ramps rO9	07/01/86	E-67 Delineation & Pavement Markings at Bridges	
TE-69 Wheelchair Ramps rO9	07/01/86	E-68 Wheelchair Ramps	
	9/01/87		

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

09/01/87 REVISED STANDARD PLANS 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 STANDARD PLANS D-01, TE-09, TE-40, TE-50, TE-51, TE-57, TE-59, TE-61, TE-63 AND TE-64

REVISION

STANDARD PLANS SUMMARY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

KEAAU PAHOA ROAD PROJECT NO. RS-0130 (20)

SHEETS

SHEET No. / OF /