STANDARD PLANS SUMMARY

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|------------------------|-------|------------|----------------|--------------|-----------------|
| HAWAII | HAW. | 83F-01-97M | 1997 | 2 | 28 |

| PLAN NO. | TITLE | DATE |
|--|---|---|
| B-01 | Notes and Miscellaneous Details | 07/01/8 |
| B-02 | | |
| B-03 | Typical Structure Excavation and Backfill Pay Limits | 07/01/8 |
| B-04 | · · · · · · · · · · · · · · · · · · · | |
| B-05 | | |
| B-06 | Concrete Box Girder | 07/01/8 |
| B-07 | Concrete Box Girder | 07/01/8 |
| B-08 | Concrete Box Girder | 07/01/8 |
| B-09 | | |
| B-10 | | |
| B-11 | | |
| B-12 | Prestressed Concrete Piles | r07/16/9 |
| B-13 | Prestressed Concrete Piles | r07/16/9 |
| <u> </u> | | 10171073 |
| 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 |
| | | |
| H-01 | Type A, B, C and D Catch Basin | 07/01/8 |
| H-02 | Type A1, B1, C1 and D1 Catch Basin | 07/01/8 |
| | | 01/01/0 |
| H-03 | Type A2, B2, C2 and D2 Catch Basin | |
| | | 07/01/8 |
| H-03 H-04 | Typical Reinforcing Details for Catch Basins | 07/01/8 07/01/8 |
| H-03 H-04 H-05 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole | 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole | 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole | 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting | 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates | 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates | 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet | 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates | 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet | 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214. 61614 & 61616 Steel Frames and Grates | 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214. 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates 61614B Steel Frame and Grates | 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214. 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures | 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17 | Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures | 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17 | Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts | 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17 H-18 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214. 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts Outlet Structures | 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17 H-18 H-19 H-20 | Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts Outlet Structures Concrete Spillway Inlet | 07/01/8 |
| H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17 H-18 | Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214. 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts Outlet Structures | 07/01/8 |

| STANDARD PLAN NO. | l | 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-40 | Pullboxes | 07/01/8 |
| | Type III Traffic Signal Standard | |
| TE-42 | Concrete Pullbox (2' x 3') | 07/01/8 |
| TE-43 | | 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-O7 ●)

07/18/94 REVISED TE-68 & TE-69
02/15/91 REVISED H-19
10/16/90 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-65.TE-57.TE-59.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-53.TE-59.TE-61.TE-63

& TE-64

REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

KAHEKILI HIGHWAY RESURFACING Haiku Rd. to Kahaluu Stream Bridge Project No. 83F-01-97M

Date: May, 1997

SHEET No. 1 OF 1 SHEETS