STANDARD PLANS SUMMARY

| FED.ROAD DIST.NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|-----------|----------------|--------------|-----------------|
| HAWAII | HAW. | 99C-02-00 | 2001 | 2 | 51 |

| PLAN NO. | TITLE | DATE |
|---|---|--|
| B-01 | Notes and Miscellaneous Details | 07/01/86 |
| B-02 | | 0.70.700 |
| 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-01 | 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 |
| | Typical Reinforcing Details for Catch Basins | |
| H-04 | Typical Removeing Betalla for Cately Basins | 07/01/86 |
| | Type A, B and C Storm Drain Manhole | |
| | | 07/01/86 |
| H−05 • H−06 | Type A, B and C Storm Drain Manhole | 07/01/86 07/01/86 |
| H−05 • H−06 H−07 | Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole | 07/01/86 07/01/86 07/01/86 |
| H−05 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 |
| H−05 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |
| H-05 • H-06 H-07 H-08 • H-09 H-10 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |
| H-05 • H-06 H-07 H-08 • H-09 H-10 H-11 H-12 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |
| H-05 • H-06 H-07 H-08 • H-09 H-10 H-11 H-12 H-13 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |
| H-05 • H-06 H-07 H-08 • H-09 H-10 H-11 H-12 H-13 H-14 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |
| H-05 • H-06 H-07 H-08 • H-09 H-10 H-11 H-12 H-13 H-14 H-15 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |
| H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |
| 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 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |
| 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 | 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 Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |
| 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 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |
| 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 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |
| 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 | 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 | 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 |

| 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 | r11/03/89 |
| 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- 4 5 | 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 | r11/03/89 |
| TE-69 | Wheelchair Ramps | r11/03/89 |
| | | |

NOTE:

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

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
09/01/87 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-53, TE-59, TE-61, TE-63
& TE-64

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

WILIKINA DR INTERSECTION IMPROVEMENTS

AT McNAIR GATE

Project No. 99C-02-00

Scale: No Scale

Date: Sep 2000

SHEET No. 1 OF 1 SHEETS

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