

STANDARD PLANS SUMMARY

|                     |       |            |             |           |              |
|---------------------|-------|------------|-------------|-----------|--------------|
| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| HAWAII              | HAW.  | 56AC-01-01 | 2002        | 2         | 13           |

| 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              |  |           |
| 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 |
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|------|--|-----------|
| 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  |
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|------|--|-----------|
| 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  |
| 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 | 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-23 | Hat Shaped Coupling Band                       | r10/16/90 |
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| 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                                      | r11/03/89 |
| TE-07             | Reserved   | 07/01/86  |
| TE-08             | ● Construction Signs                                     | r09/01/87 |
| TE-09             | Miscellaneous Intersection Signs                         | r03/06/87 |
| 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  |
| TE-23             | Supports for Ground Mounted Guide Sign                   | r11/03/89 |
| 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                     | r05/09/90 |
| TE-31             | Miscellaneous Pavement Markings                          | r05/09/90 |
| TE-32             | Miscellaneous Pavement Markings                          | r05/09/90 |
| TE-33             | Miscellaneous Pavement Markings                          | r11/03/89 |
| 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             | r11/03/89 |
| TE-39             | Traffic Signal System, Miscellaneous Details             | 07/01/86  |
| TE-40             | Loop Detectors   | r11/03/89 |
| 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  |

| 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 |
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|---------------|-------------------|---------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE    |
|               | DRAWN BY          | 10/2/02 |
|               | TRACED BY         |         |
|               | QUANTITIES BY     |         |
| NOTE BOOK     | 01/3/00/1/01      |         |
|               | 01/3/00/1/01      |         |
|               | 01/3/00/1/01      |         |
|               | 01/3/00/1/01      |         |

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| 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 & 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-63 & TE-64   |
| DATE     | REVISION   |

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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**STANDARD PLANS SUMMARY**  
**KUHIO HWY. MISCELLANEOUS DRAINAGE IMPROVEMENTS**  
**Vicinity of Kapaa and Anahola**  
**Project No. 56AC-01-01**  
*Date: Dec. 2001*

SHEET No. 1 OF 1 SHEETS