

STANDARD PLANS SUMMARY

|                     |       |           |             |           |              |
|---------------------|-------|-----------|-------------|-----------|--------------|
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| HAWAII              | HAW.  | 99D-02-87 | 1990        | 2         | 15           |

| 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                           | 07/01/86 |
| B-13              | Prestressed Concrete Piles                           | 07/01/86 |
|                   |  |          |

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|--------|--|-----------|
| D-01   | Chain Link Fence With Toprail                        | r03/06/87 |
| 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  |
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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 | 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 |
| H-23 | Hat Shaped Coupling Band                      | 07/01/86 |
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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                     | r11/03/89 |
| TE-31 ●           | Miscellaneous Pavement Markings                          | r11/03/89 |
| TE-32             | Miscellaneous Pavement Markings                          | r11/03/89 |
| 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  | r11/03/89 |
| TE-69             | Wheelchair Ramps  | r11/03/89 |
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NOTE:  
STANDARD PLANS APPLICABLE TO THIS PROJECT ARE INDICATED BY A " ● " NEXT TO THE STANDARD PLAN NO. (D-07 ● )

|          |   |
|----------|---|
| 11/03/89 | REVISED STANDARD PLANS 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 TO STANDARD PLANS. |
| 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 & TE-64.  |
| DATE     | REVISION  |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

KAMEHAMEHA HWY. INTERCONNECTION  
OF TRAFFIC SIGNAL SYSTEM  
FROM AIEA TO PEARL CITY  
PROJECT NO. 99D-02-87

SCALE: NONE      Date: APR.16,1990

SHEET No. 1 OF 1 SHEETS