

STANDARD PLANS SUMMARY

|                     |       |                    |             |           |              |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| HAWAII              | HAW.  | 19D-01-92M         | 1992        | 2         | 18           |

| 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                                                        | r11/03/89 |
| TE-69             | Wheelchair Ramps                                                        | r11/03/89 |
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| 02/15/91 | REVISED STANDARD PLANS H-19                                                                                                                   |
| 10/16/90 | REVISED STANDARD PLANS H-16,H-17, H-22 & H-23.                                                                                                |
| 07/26/90 | REVISED STANDARD PLANS D-02.                                                                                                                  |
| 07/16/90 | REVISED STANDARD PLANS B-12,B-13,                                                                                                             |
| 05/09/90 | REVISED STANDARD PLANS TE-30,TE-31, & TE-32.                                                                                                  |
| 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. |
| 09/01/87 | ADDED TE-57A TO STANDARD PLANS                                                                                                                |
|          | 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 |
|------|----------|

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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
  
STANDARD PLANS SUMMARY  
  
KAWAIHAE ROAD  
CULVERT EXTENSIONS  
PROJECT NO. 19D-01-92M  
  
Date: May, 1992  
SHEET No. 1 OF 1 SHEETS

ORIGINAL PLAN  
DRAWN BY  
NOTED BY  
N. KAWSTED  
CHECKED BY

DESIGNED BY  
QUANTITIES BY

DATE