

STANDARD PLANS SUMMARY

|                        |       |                       |                |              |                 |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
| HAWAII                 | HAW.  | IR-HI-1(214)          | 1991           | 2            | 14              |

| Standard<br>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                        | 03/06/87 |
| 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<br>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                                         | 09/01/87 |
| TE-05                | Warning Signs                                            | 07/01/86 |
| TE-06                | Miscellaneous Signs                                      | 09/01/87 |
| TE-07                | Reserved                                                 | 07/01/86 |
| TE-08                | Construction Signs                                       | 09/01/87 |
| TE-09                | Miscellaneous Intersection Signs                         | 03/06/87 |
| 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                | Destination & Ground Mounted Expressway Signs            | 07/01/86 |
| 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                     | 07/01/86 |
| TE-31                | Miscellaneous Pavement Markings                          | 07/01/86 |
| TE-32                | Miscellaneous Pavement Markings                          | 09/01/87 |
| TE-33                | Miscellaneous Pavement Markings                          | 07/01/86 |
| 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             | 07/01/86 |
| TE-39                | Traffic Signal System, Miscellaneous Details             | 07/01/86 |
| TE-40                | Loop Detectors                                           | 03/06/87 |
| 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<br>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                                                         | 03/06/87 |
| TE-51                | Metal Guardrail                                                         | 09/01/87 |
| TE-52                | Metal Guardrail with Rubrail                                            | 07/01/86 |
| TE-53                | Metal Guardrail with Rubrail at Obstruction                             | 09/01/87 |
| TE-54                | Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation) | 09/01/87 |
| TE-55                | Metal Guardrail Connection to Concrete Barrier                          | 09/01/87 |
| TE-56                | Concrete Barrier Transition                                             | 07/01/86 |
| TE-57                | Guardrail Type 3, Thrie Beam                                            | 09/01/87 |
| TE-58                | Approach End Flare, One & Two Way Roadway                               | 07/01/86 |
| TE-59                | Trailing End Flare, One & Two Way Roadway                               | 09/01/87 |
| TE-60                | Anchor Block Details                                                    | 07/01/86 |
| TE-61                | Breakaway Cable Terminal (BCT)                                          | 03/06/87 |
| TE-62                | Breakaway Cable Terminal (BCT)                                          | 09/01/87 |
| TE-63                | Guardrail Type 4 (Rigid Barrier)                                        | 09/01/87 |
| TE-64                | Portable Concrete Guardrail                                             | 03/06/87 |
| TE-65                | Guardrail Type 4, Miscellaneous                                         | 09/01/87 |
| TE-66                | Barricades                                                              | 07/01/86 |
| TE-67                | Delineation & Pavement Markings at Bridges                              | 07/01/86 |
| TE-68                | Wheelchair Ramps                                                        | 07/01/86 |
| TE-69                | Wheelchair Ramps                                                        | 09/01/87 |
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NOTE:  
STANDARD PLANS APPLICABLE TO THIS  
PROJECT ARE INDICATED BY A "●" NEXT TO  
THE STANDARD PLAN NO. (D-07●)

|          |                                                                                                                           |
|----------|---------------------------------------------------------------------------------------------------------------------------|
| 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 AND TE-64.                            |
| DATE     | REVISION                                                                                                                  |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY  
INTERSTATE ROUTE H-1  
RESURFACING  
VICINITY OF MIDDLE STREET TO  
KALIHI INTERCHANGE  
PROJECT NO. IR-HI-1(214)  
Date: Feb. 1990

SHEET No. 1 OF 1 SHEETS

SURVEY PLOTTED BY \_\_\_\_\_ DATE \_\_\_\_\_

ORIGINAL PLAN \_\_\_\_\_

TRACED BY \_\_\_\_\_

DESIGNED BY \_\_\_\_\_

NOTED BY \_\_\_\_\_

CHECKED BY \_\_\_\_\_

NO. \_\_\_\_\_