

STANDARD PLANS SUMMARY

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | IR-HI-1(207) | 1988 | 2 | 46 |

| 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 |
| | | |
| | | |

| | | |
|--------|--|-----------|
| | | |
| 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 |
| | | |
| | | |

| | | |
|------|---|----------|
| 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 |
| | | |
| | | |

| 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 | r09/01/87 |
| 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 ● | 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 | r09/01/87 |
| 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 | r03/06/87 |
| 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 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 | 07/01/86 |
| TE-53 | Metal Guardrail with Rubrail at Obstruction | r09/01/87 |
| TE-54 | Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation) | r09/01/87 |
| TE-55 ● | Metal Guardrail Connection to Concrete Barrier | r09/01/87 |
| TE-56 | Concrete Barrier Transition | 07/01/86 |
| TE-57 | Guardrail Type 3, Thrie Beam | r09/01/87 |
| TE-58 ● | Approach End Flare, One & Two Way Roadway | 07/01/86 |
| TE-59 ● | Trailing End Flare, One & Two Way Roadway | r09/01/87 |
| TE-60 ● | Anchor Block Details | 07/01/86 |
| TE-61 ● | Breakaway Cable Terminal (BCT) | r03/06/87 |
| TE-62 ● | Breakaway Cable Terminal (BCT) | r09/01/87 |
| TE-63 | Guardrail Type 4 (Rigid Barrier) | r09/01/87 |
| TE-64 | Portable Concrete Guardrail | r03/06/87 |
| TE-65 | Guordrail 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 | 07/01/86 |
| TE-69 | Wheelchair Ramps | r09/01/87 |
| | | |
| | | |
| | | |
| | | |

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 KAIMAKANI ST.
TO AIRPORT VIADUCT
F.A.I. PROJECT No. IR-HI-1(207)
Date: May, 1988

SHEET No. 1 OF 1 SHEETS

ORIGINAL PLAN

NO.

SURVEY PLOTTED BY

DATE

DRAWN BY

DESIGNED BY

QUANTITIES BY

CHECKED BY

GENERAL NOTES

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | IR-HI-1(201) | 1988 | 3 | 46 |

1. This project consists of resurfacing and reconstructing the existing A.C. pavement; upgrading guardrail connections to existing bridge structures; replacing pavement markings; replacing traffic signs; upgrading lighting systems and upgrading concrete median barriers.

2. The Contractor's attention is directed to Subsection 107.13 - Public Convenience and Safety and to Section 645 - Traffic Control of the Special Provisions.

3. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic. No equipment shall be stored within the freeway or ramp areas unless approved by the Engineer.

4. The existence and location of underground utilities, monuments, and inlet structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of the work may be possible. The Contractor shall be held liable for any damages incurred to the existing facilities as a result of his operations. All damaged portions shall be replaced in accordance with the Standards and Specifications of the State.

5. The exact locations and limits of areas to be reconstructed and/or cold planed shall be determined in the field by the Engineer.

6. The Contractor's attention is directed to Subsection 104.09 - Construction Phasing for the order of work to be performed.

7. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. V.

8. Smooth riding connections shall be constructed at all limits of resurfacing including the beginning and end of the project; transitions to existing P.C.C. pavements; ramp approaches; as shown on plans and/or as directed by the Engineer. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. V.

9. The Contractor shall pave the full travelway or total width of roadway each day and not leave a longitudinal pavement drop between lane passes of the paver, unless permitted by the Engineer. If the Engineer allows a longitudinal pavement drop, the Contractor shall construct a one foot transition wedge along the lane line with a maximum thickness of 2-1/2 inches.

10. Installation of Standard Type "C", Type "G", and "W" Beam End Section (Flared) shall not be paid for separately, but shall be considered incidental to Guardrail, Type 3-Single with post.

11. The exact location of the Inertial Barrier Systems shall be determined in the field by the Engineer.

12. A.C. Transitions to exist. Drainage Inlets shall not be paid for separately, but shall be considered incidental to Asphalt Concrete Pavement, Mix No. V.

13. Brooming off will not be measured separately but shall be considered incidental to A.C. Pav't. Mix No. V.

14. Construction Phasing

The work shall be constructed in two phases, with the following order of work:

Phase I - All work excluding the construction of the P.C.C. Pavment at H-1 Baseline Sta. 175+20 to Baseline Sta. 194+75.

Phase II - The construction of the P.C.C. pavement at H-1 Baseline Sta. 175+20 to Baseline Sta. 194+75. The construction of this phase shall begin after Phase I has been completed. The Phase II portion of the work shall be completed within 25 working days.

The starting date of the Phase II construction shall begin in January of 1989 and no later than January 6, 1989.

The Contractor's attention is directed to Subsection 104.09 - Construction Phasing of the Special Provisions.

LEGEND:

- Limits of A.C. Resurfacing
- Limits of A.C. Reconstruction
- Limits of Cold Planing
- Limits of P.C.C.
- New Type 3 Guardrail
- Existing Metal Guardrail
- Existing Drainage Inlet or Catch Basin

6/8/88 Revised General Note No. 14 per Addendum No. 1

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES
INTERSTATE ROUTE H-1
RESURFACING KAIMAKANI ST.
TO AIRPORT VIADUCT
F.A.I. PROJECT No. IR-HI-1(201)
Date: June, 1988

SHEET No. 1 OF 1 SHEETS