

STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-80M	1989	2	23

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	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

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	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 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

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

KAMEHAMEHA HIGHWAY RESURFACING

Waikalanani Drive to
Karsten Thot Bridge

Project No. HWY-0-01-80M

Date: April, 1989

SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-89M	1989	3	23

GENERAL NOTES

1. The Scope of Work for this Project consists of resurfacing existing pavement, reconstructing weakened pavement areas, installing traffic signs, cold planing, adjusting utility manholes, pavement striping, and installing pavement markers.
2. The Contractor's attention is directed to Subsection 107.13- Public Convenience and Safety; Section 645 - Traffic Control of the Special Provisions and Subsection 107.21- Contractor's Responsibility for Utility Property and Service for Hawaiian Electric Co., Hawaiian Telephone Co., Honolulu Gas Co., Board of Water Supply and Division of Wastewater Management
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.
4. The existence and location of underground utilities, manholes, monuments and 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 is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
5. The exact locations and limits or areas to be reconstructed and/or cold planed shall be determined in the field by the Engineer.
6. The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. V and will not be paid for separately.
7. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. V.
8. Smooth riding connections shall be constructed at all limits of resurfacing including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
9. The Contractor shall notify the State in writing and the Mass Transit Inc., Customer and Public Relations Office at 537-9224 two (2) weeks and seven (7) days respectively prior to any paving operations.
10. The Contractor shall keep all lanes open to public traffic during the peak traffic hours of 5:30 a.m. to 8:30 a.m. and 3:00 p.m. to 6:30 p.m. and during periods of non-work. During peak traffic hours, the Contractor shall not perform any operations including, but not limited to, movement of equipment, machinery and materials. The peak traffic hours are subject to change by the Engineer. The Contractor's attention is directed to section 107 of the Special Provisions for requirements regarding responsibility to the public.
11. Where there is a change in the pavement thickness on the main thoroughfare, a transition from the thicker to the thinner pavement shall be constructed at a rate of 20 feet for every inch of difference.

12. The exact locations and limits of Pavement reinforcement shall be determined in the field by the Engineer.
13. Utility manholes and pullboxes not shown on the plans that require adjustments shall be adjusted to conform to the new roadway elevation. Payment shall be made under the respective pay items.
14. The Engineer will temporarily allow the exposing of the traffic directly on the Cold Planed roadway during working hours provided:
 - a. the section of roadway to be planed require two or more passes;
 - b. a plan of operation with documented time schedule be approved by the Engineer;
 - c. temporary striping be provided. This work will not be measured for payment also but shall be considered incidental to Cold Planing;
 - d. the Contractor shall save and hold harmless the State, its Officers, Agents, Representatives, Successors and Assigns from any and all suits or actions of every nature and kind which may be brought for or an account of any injury, death or damage arising or growing out of the acts or omissions of the Contractor in connection with this temporary phase of Construction; and
 - e. the Engineer may revoke this temporary traffic plan at any time should the pavement show failure, the public voice vehement disapproval, or the work of the Contractor be in non-compliance to the approved plan of operation.
15. The Contractor shall coordinate work with contractor installing traffic signals at Wai'alea Drive to insure prevention of work delays and destruction of asphaltic concrete pavement with loop detectors.

LEGEND:

—	Limit of Resurfacing
▨	Concrete Pavement
●	Manhole to be Adjusted
wmh ∅	Existing Water Manhole
wv ∅	Existing Water Valve Manhole
smh ∅	Existing Sewer Manhole
sdmh ∅	Existing Storm Drain Manhole
gmh ∅	Existing GASCO Manhole
tmh ∅	Existing Hawaiian Telephone Manhole
emh ∅	Existing Hawaiian Electric Manhole

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

KAMEHAMEHA HIGHWAY RESURFACING
Wai'alea Drive to Karsten Thor Bridge
PROJECT NO. HWY-0-01-89M

Scale: Not To Scale Date: April, 1989

SHEET No. 1 OF 3 SHEETS