

STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(18)	1999	2	71

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	r07/18/90
B-13	Prestressed Concrete Piles	r07/18/90

D-01	Chain Link Fence With Toprail	r03/06/87
D-02	Chain Link Fence Without Toprail	r07/28/90
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

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

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 Markers 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 and Two Way Roadway	07/01/86
TE-59	Trailing End Flare, One and 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 Guardrail	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	r01/27/93
TE-69	Wheelchair Ramps	r01/27/93

04/24/95
07/18/94
02/15/91
10/16/90
07/26/90
05/09/90
11/03/89

09/01/87

03/06/87

REVISED TE-68 & TE-69
REVISED TE-68 & TE-69
REVISED H-19
REVISED H-16,H-17,H-22 & H-23
REVISED D-02
REVISED B-12,B-13
REVISED TE-30,TE-31 & TE-32
REVISED 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
REVISED 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
REVISED D-01, TE-09, TE-40,
TE-50, TE-51, TE-57, TE-59,
TE-61, TE-63 & TE-64

DATE REVISION

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
No.	

PM: STY
OPER: CKY,SAIRMK,KKF,*RGQ,BKM
REVISED: 05/24/99

FILE: DOT95202
SCALE: 1"=1
BEG: 03/06/97

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

WLIKINA DR. INTERSECTION IMPROVEMENTS
AT KAMANANUI ROAD
Federal Aid Project No. STP-099-1(18)

Scale: As shown Date: June 1999

SHEET NO. 1 OF 1 SHEETS

General Notes: (For Construction in State R/W)

1. The scope of work for this project consists of installing a new traffic signal system with appurtenances, widening the existing roadway for an additional turning lane, pavement striping and markings, signing and guardrails.
2. The Contractor is reminded of the requirements of Subsection 108.01 – Subletting of Contract, which requires him to perform work amounting to not less than 50 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.13 – Public Convenience and Safety, Subsection 107.21 – Contractor's Responsibility for Utility Property and Services, and Section 645 – Traffic Control.
4. 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.
5. Locations of existing underground structures and utilities such as pipelines, conduits, cables, manholes, etc., and structures shown on plans are approximate only. It is not the intent of these plans to show the exact location of all underground utilities and structures. It is the responsibility of the Contractor to verify the locations of all existing utilities with the respective owners. Existing utilities damaged by the Contractor shall be repaired by the Contractor at his own cost.
6. The exact limits of pavement widening areas shall be determined in the field by the Engineer.
7. Maintenance of traffic through the construction area shall be in accordance with part VI of the "Manual On Uniform Traffic Control Devices For Streets And Highways", Federal Highway Administration (1988) and as specified in the special provisions. The Contractor shall furnish and maintain adequate barricades, blinkers, construction signs, etc., for the safety of the motoring public.
8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
9. The Contractor shall adjust flush to finish grade all manhole, valve, pullbox, and handhole frames & covers, including those not shown on the plans, if there is a change in grade due to construction of the project. If the proposal does not show a contract item, the Engineer will consider them incidental to the various contract items.
10. Smooth riding connections shall be constructed at all limits of construction as shown on the plans and/or as directed by the Engineer.
11. Dressing of shoulder, sidewalk and bus turnout shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable excavated material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
12. Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.
13. Earth swale shall be graded to drain. Earth swale shall not be paid for separately, but be considered incidental to the various contract items.
14. Contractor shall provide for access to and from all existing side streets at all times.
15. All saw cutting work shall be considered incidental to Roadway Excavation.

16. A working table of 12" Aggregate Subbase shall be required if the soil conditions warrant its use or as directed by the Engineer. This work shall be considered incidental to the Roadway Excavation.
17. All necessary permits for work within the jurisdiction of the City and County of Honolulu shall be obtained by the Contractor at his own cost.

General Notes: (For Construction in City R/W)








1. The Contractor shall perform applicable construction work all in accordance with the Standard Details for Public Works Construction dated September 1984 as amended, the Hawaii Standard Specifications for Road, Bridge, and Public Works Construction dated 1994 and the revised ordinances of Honolulu, 1990 as amended.
2. During non-working hours, the trenches on city streets shall be covered with non-skid steel plates and all lanes maintained opened for traffic.
3. The Contractor shall provide access to and from driveways and public streets at all times except as noted on the plans.
4. All work called for on the plans and not itemized in the proposal and all work not called for but required for the construction of this project, shall be considered incidental to the other items listed in the proposal.
5. Verify and check all dimensions and details shown on the drawings prior to the start of construction. Any discrepancy shall be immediately brought to the attention of of the Engineer for clarification.
6. The location and depth of existing utilities whether or not shown on the plans shall be verified by the Contractor. Exercise care when excavating in the area and protect existing utilities at all times during construction. Any damage to them shall be repaired and paid for by the Contractor.
7. The Contractor shall notify all agencies to verify the actual location of all utilities in the project area prior to excavating. The Contractor shall coordinate all work.
8. The Contractor shall restore to their original or better condition all improvements damaged as a result of the construction, including pavements, embankment, curbs, signs, landscaping, structures, utilities, walls, fences, etc. Unless provided for specifically in the proposal, demolition and restoration of existing items shall be incidental to the other items listed in the proposal.
9. The Contractor shall notify the Civil Engineering Branch, D.P.P at 523-4881 to arrange for inspectional services and submit three (3) sets of approved construction plans seven (7) days prior to commencement of construction.
10. The existence and location of underground utilities and structures as shown on the plans are from the latest available data but are not guaranteed as to accuracy or the encountering of other obstacles during the course of the work. The Contractor shall not assume that where no utilities are shown that none exists.
11. When survey (C&C) monument is to be disturbed, show ties on plan, to establish the location of the original monument, to replace exactly per original records.
12. Restore areas disturbed by construction work to original condition.

13. No Contractor shall perform any construction activity so as to cause falling rocks, soil or debris in any form to fail, slide of flow onto adjoining properties, streets or natural watercourses. Should such violations occur, the costs incurred for any remedial action by the Director, D.P.P. shall be payable by the Contractor.
14. The Contractor shall be responsible for conformance with the applicable provisions of Chapter 54, Water Quality Standards, and Chapter 55, Water Pollution Control, of Title II, Administrative Rules of the State Department of Health.

Public Health, Safety & Convenience Notes: (For Construction in City R/W)

1. The Contractor's attention is directed to Chapter 44b Public Health Regulations Department of Health, State of Hawaii "Community Noise Control for Oahu" in which maximum allowable noise levels have been set. If the construction activities for the project will exceed the allowable noise levels, the Contractor will be required to obtain a permit from the director of the Department of Public Health. The Contractor shall obtain a copy of Chapter 44b and become familiar with the noise level restrictions and the procedures for obtaining a permit for construction activities.

LEGEND

	New Pavement		Existing Sewer Manhole
	New Grassing Areas		New Monument
	Demolition of Existing Pavement Areas		Existing 10' x 8' Box Culvert
	Existing Utility Pole		

Note:

See Electric Symbols, General Notes sheet for electrical legend.

APPROVED:

M. [Signature] 7/6/99
Chief, Civil Engineering Branch, D.P.P.

	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
	GENERAL NOTES AND LEGEND	
	WILIKINA DR. INTERSECTION IMPROVEMENTS AT KAMANANUI ROAD Federal Aid Project No. STP-099-1(18)	
	Scale: As shown	Date: June 1999

SHEET NO. 1 OF 1 SHEETS