

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0901(3)	1993	2	30

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

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

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

BARBERS POINT ACCESS ROAD
RESURFACING
Navy Gate to H-1 Makali'i Overpass
Fed. Aid Project No. STP-090(13)

Date: Dec., 1993

SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0901(3)	1993	3	30

GENERAL NOTES

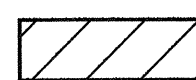



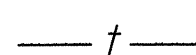
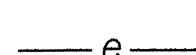
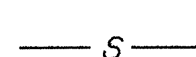
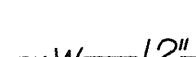











- The scope of work for this project consists of resurfacing, reconstruction of weakened pavement area, cold planing, adjusting utility manhole/valve box frame and cover, and installing loop detector, sign and pavement marking.
- The Contractor's attention is directed to Special Provision Subsection 107.13 - Public Convenience and Safety Section 645 - Traffic Control and Subsection 107.12 - Contractor's Responsibility for Utility Property and Service. The Contractor is directed to Standard Specification Subsection 108.01 - Subletting of Contract regarding performing "with his own organization, work amounting to not less than 50 percent of the total contract cost."
- The Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic during the peak hours and the Contractor's non-working hours.
- 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.
- The exact locations and limits or areas to be filled with leveling course, reconstructed or cold planed shall be determined in the field by the Engineer.
- The Contractor shall notify Barbers Point Base Security, Naval Air Station Barbers Point Hawaii, 96862-5050, two (2) weeks prior to construction operation in the vicinity of Navy Gate.
- The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
- The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement Item and will not be paid for separately.
- All holes, depressions, wheel ruts and leveling areas as shown on the plans shall be filled and compacted with Asphalt Concrete Pavement leveling course prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement Item.
- 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.
- Dressing of shoulder, sidewalk and pavement edge 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.
- Existing drainage system shall be kept functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow, the cost of which shall be considered incidental to the various contract items.

- Earth swale shall be graded to drain. Earth swale will not be paid for separately, but will be considered incidental to the various contract items.
- Contractor shall provide for access to and from existing driveways and streets at all times.
- Saw cutting for reconstruction work shall be considered incidental to excavation for reconstruction item.

RAILWAY NOTES

- The Contractor shall be responsible for repairing and cost of repairing damage that may occur during the project and that any repairs or replacements meet the following standards.
- All construction methods and materials shall conform to the current edition of the American Railway Engineering Association (A.R.E.A.) Manual for Railway Engineering and State of Hawaii Highway Division "Standard Specifications for Road and Bridge Construction".
- Ballast shall be 1" to 1½" screened coral.
- Existing track rails shall be reused. Any damage to the rails shall be the sole responsibility of the Agency or Contractor who shall replace any damaged rails at their own expense.
- Rail splice bolts, nuts and washers shall conform to the A.R.E.A. Manual for Railway Engineering.
- Steel cut track spikes shall be 9/16" reinforced throat track spike 5-½" underhead. There shall be four (4) spikes per tie placed inside and outside of the rail, staggered.
- Cross ties shall be treated with a Creosote-Coal Tar solution conforming to A.R.E.A. Manual.
- Length of all R.R. track rails between splices = 33'-0" ±.
- Any existing R.R. track and splices removed during construction work shall be replaced by reusing existing rails and splices and furnishing new bolts, nuts and washers for splices. New bolts shall be the same size as the existing bolts.
- Two weeks prior to starting work at the railroad track, the Contractor shall notify in writing, Hawaiian Railway Society, Attention: Andy Foulds, P.O. Box 1208, Ewa Beach, Hawaii 96706.

LEGEND

-  Reconstruction Areas
-  Resurfacing Limits
-  Existing Telephone Pole
-  Existing Electric Pole
-  Existing Telephone Line
-  Existing Electrical Line
-  Existing Sewer Line
-  Existing Water Line
-  Existing Gas Line
-  Existing Water Valve
-  Existing Water Meter
-  Existing Fire Hydrant
-  Existing Water Manhole
-  Existing Sewer Manhole
-  Existing Drain Manhole
-  Existing Water Air Valve Manhole
-  Existing Street Light Standard
-  Existing Catch Basin
-  Existing Loop Detectors

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

BARBERS POINT ACCESS
ROAD RESURFACING
Navy Gate to H-1 Makaloa Overpass
Fed. Aid Project No. STP-0901(3)

Date: Jan., 1993

SHEET No. 1 OF 1 SHEETS