

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-011-2(25)	1995	6	39

Sta. 179+50 Lt. to Sta. 180+30.75 Lt.

Install 25 Lin. Ft. of Guardrail Type 3 Single with Rubrail on Steel Post. Connect to Thrie Beam Transition.

Attach End of Rubrail to Rear of Post w/Rail Bolt-Galv. $\frac{5}{8}$ " ϕ x4" Long Bolt and Nut at Sta. 180+30.75

Install 20 Lin. Ft. $\pm$ of Guardrail Type 3 Single Beam with Steel Post and Connect to Guardrail Type 3 Single with Rubrail. For Details, See Plan Sheet Nos. 2, 32-35.

Install 1 Ea. Terminal Section, Type M.E.L.T.

Sta. 180+30 $\pm$ Lt. to Sta. 180+75.50 Lt.

Construct 4 - 11'x9' Cell Box Culvert and Appurtenances. For Details, See Plan Sheet. No. 12-18, 21, 22, 25, 26, 30, 36-38.

Construct New 3" AC Mix IV Roadway over 4 - 11'x9' Cell Box Culvert. For Details, See Plan Sheet No. 5.

Construct New Paved Roadway Shoulders. For Details, See Plan Sheet No. 5. Resurface Roadway with New $\frac{1}{2}$ " AC Mix No. IV

Sta. 180+78.79 Lt. to Sta. 181+00.21 Lt.

Construct Bridge Extension and Wing Walls For Details, See Plan Sheet Nos. 19, 20, 23, 24, 27-29, 37, 38.

Sta. 180+12.27 Lt. to Sta. 182+00 Lt.

Install 32 Lin. Ft. of Guardrail Type 3 Single with Rubrail on Steel Post. Connect to Thrie Beam Transition.

Attach End of Rubrail to Rear of Post w/Rail Bolt-Galv. $\frac{5}{8}$ " ϕ x4" Long Bolt and Nut.

Install 118 Lin. Ft. $\pm$ of Guardrail Type 3 Single Beam with Steel Post and Connect to Guardrail Type 3 Single with Rubrail. For Details, See Plan Sheet Nos. 2, 32-35.

Install 1 Ea. Terminal Section, Type M.E.L.T.

Sta. 180+30 Lt. to Sta. 181+15 Lt.

Sta. 180+30 Rt. to Sta. 181+15 Rt.

Install 4 ea. RM-4 (Rt. ϕ Lt.) and 12 ea. RM-3 per Standard Plan TE-67

Sta. 175+00 to Sta. 186+00

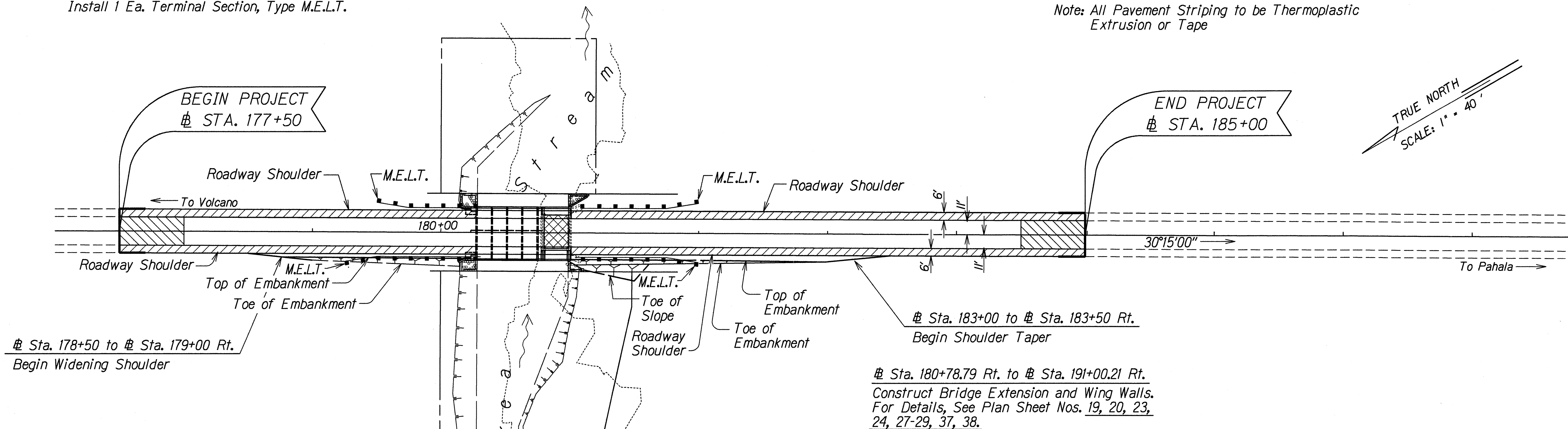
Install 1100 Lin. Ft. of 4" Double Yellow Centerline Stripe.

Sta. 177+00 Lt. to Sta. 185+50 Lt.

Sta. 177+00 Rt. to Sta. 185+50 Rt.

Install 850 Lin. Ft. 4" White Edge Stripe with Type "C" Raised Pavement Markers @ 40' o.c.

Note: All Pavement Striping to be Thermoplastic Extrusion or Tape



Sta. 178+50 to Sta. 179+00 Rt.

Begin Widening Shoulder

Sta. 179+25 Rt. to Sta. 180+30.46 Rt.

Install 25 Lin. Ft. of Guardrail Type 3 Single with Rubrail on Steel Post. Connect to Thrie Beam Transition.

Attach End of Rubrail to Rear of Post w/Rail Bolt-Galv. $\frac{5}{8}$ " ϕ x4" Long Bolt and Nut at Sta. 180+30.75

Install 45 Lin. Ft. $\pm$ of Guardrail Type 3 Single Beam with Steel Post and Connect to Guardrail Type 3 Single with Rubrail. For Details, See Plan Sheet Nos. 2, 32-35.

Install 1 Ea. Terminal Section, Type M.E.L.T.

Sta. 180+79 Rt. to Sta. 181+00 Rt.

Bridge Cold Planing. For Details, See Plan Sheet No. 5.

Construct New 1" AC Mix V Pavement over Bridge.

Sta. 180+12.27 Rt. to Sta. 182+00 Rt.

Install 32 Lin. Ft. of Guardrail Type 3 Single with Rubrail on Steel Post. Connect to Thrie Beam Transition.

Attach End of Rubrail to Rear of Post w/Rail Bolt-Galv. $\frac{5}{8}$ " ϕ x4" Long Bolt and Nut.

Install 118 Lin. Ft. $\pm$ of Guardrail Type 3 Single Beam with Steel Post and Connect to Guardrail Type 3 Single with Rubrail. For Details, See Plan Sheet Nos. 2, 32-35.

Install 1 Ea. Terminal Section, Type M.E.L.T.

LEGEND

PAVEMENT COLD PLANING

BRIDGE COLD PLANING

$\frac{1}{2}$ " AC MIX NO. IV RESURFACING

NEW PAVEMENT $\frac{1}{2}$ " AC MIX IV 6" BASE COURSE 20" SUBBASE

03/27/96	Revised Notes
02/29/96	Revised Plan Sheet References and Revised Station References.
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN	
MAMALAHOA HIGHWAY	
DRAINAGE IMPROVEMENTS AT PIIKEA STREAM BRIDGE	
Fed. Aid Proj. No. STP-011-2(25)	
Scale: 1"=40'	Date: Sept., 1993
SHEET No. 1 OF 1 SHEETS	

ADD. 6