

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19D-01-87M	1987	3	8

GENERAL NOTES

1. This project consists of constructing paved shoulders and installing guardrails, highway lighting, a flasher system, traffic signs, pavement striping and markers, reflector markers and delineators.
2. The Standard Plans are applicable for this project.
3. 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 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 and/or the affected utility company.
4. The exact locations and limits for Paved Shoulders shall be determined in the field by the Engineer.
5. Dressing of Shoulders will not be paid for separately and shall be considered incidental to Paved Shoulders. The exact locations and limits for this work shall be determined in the field by the Engineer. Material used for this work shall be approved by the Engineer.
6. The exact locations and limits for Guardrail shall be determined in the field by the Engineer.
7. The existing guardrail and posts at Waiaka Stream Bridge shall be removed and disposed of by the Contractor. The removal and disposal of existing guardrail and posts will not be paid for separately and shall be considered incidental to new guardrail items.

"KM" # Sta. 775+98± to "KM" # Sta. 776+98± Lt.
Install Guardrail, Type 3-Single with Steel Posts
and Terminal Section, Type BCT.
Guardrail, Type 3-Single w/ Steel Post 75 Lin. Ft.
Terminal Section, Type BCT 1 Each

"KM" # Sta. 776+98± to "KM" # Sta. 778+1/2± Lt.
Install Guardrail, Type 3TG-Three Beam on Structure
and Guardrail, Type 3TG-Three Beam on Ground.
For Details, see Plan Sht. No. 4
Guardrail, Type 3TG-Three Beam on Structure 36 Lin. Ft.
Guardrail, Type 3TG-Three Beam on Ground 75 Lin. Ft.

"KM" # Sta. 778+1/2± to "KM" # Sta. 779+82± Lt.
Install Guardrail, Type 3-Single with Steel Posts
and Terminal Section, Type BCT.
Guardrail, Type 3-Single w/ Steel Post 137.5 Lin. Ft.
Terminal Section, Type BCT 1 Each

"KM" # Sta. 775+09± to
"KM" # Sta. 777+37± Lt.
Construct 2' Wide Paved Shoulder.
For Detail, see this sheet.
Paved Shoulder 51 Sq. Yd.

"KM" # Sta. 777+72± to
"KM" # Sta. 779+00± Lt.
Construct 2' Wide Paved Shoulder.
For Detail, see this sheet.
Paved Shoulder 29 Sq. Yd.

"KM" # Sta. 775+86± to
"KM" # Sta. 776+71± Rt.
Construct 4' Wide Paved Shoulder
within the perimeter of grassed
island. For Detail, see this sht.
Paved Shoulder 90 Sq. Yd.

"KM" # Sta. 777+66± to "KM" # Sta.
777+91± Rt.
Install End Post Connection as
shown on Sketch B-3, Plan Sht.
No. C.C.O. 45-1 1 ea.

"W" # Sta. 0+90± to "W" # Sta. 1+90± Rt.
Install Guardrail, Type 3-Single with Steel Posts
including Type "C" Flare Approach End.
Guardrail, Type 3-Single w/ Steel Post 87.5 Lin. Ft.

"W" # Sta. 1+90± to "KM" # Sta. 778+04± Rt.
Install Guardrail, Type 3TG-Three Beam on Structure
and Guardrail, Type 3TG-Three Beam on Ground.
For Details, see Plan Sht. No. 4
Guardrail, Type 3TG-Three Beam on Structure 36 Lin. Ft.
Guardrail, Type 3TG-Three Beam on Ground 75 Lin. Ft.

777+91±
"KM" # Sta. 778+04± to "KM" # Sta. 779+77± Rt.
Install Guardrail, Type 3-Single with Steel Posts
and Terminal Section, Type BCT. 163
Guardrail, Type 3-Single w/ Steel Post 150 Lin. Ft.
Terminal Section, Type BCT 1 Each

TYPICAL SECTION~PAVED SHOULDER
Scale: 1"=1'-0"

CURVE DATA				
Curve No.	①	②	③	
Δ	50° 07'	64° 35'	98° 51'	
R	250.37'	149.84'	100.04'	
T	117.06'	94.69'	116.82'	
L	219.00'	168.90'	172.60'	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

KAWAIHAE-WAIMEA ROAD
IMPROVEMENTS
Proj. No. 19D-01-87M
Scale: As Shown Date: July 4, 1986

SHEET No. 1 OF 1 SHEETS