

GENERAL NOTES

1. The scope of work for area ① (Kaumualii Hwy., M.P. 10.30 to M.P. 16.41) includes removing and installing metal guardrails and posts; constructing paved areas under new guardrail, end posts, and end treatments; installing markings and signs; and restoring highway pavement structure.

The scope of work for area ② (Kaumualii Hwy., M.P. 5.42 to M.P. 5.56) includes removing and installing metal guardrails and posts.

The scope of work for area ③ (Kuhio Hwy., M.P. 5.87) includes removing and installing metal guardrails and posts; constructing paved areas under new guardrail, end posts, and end treatments; installing markings and signs; and restoring highway pavement structure.

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.J3 - Public Convenience and Safety, Subsection 107.21 - Contractor's Responsibility for Utility Property and Services, and Section 645 - Traffic Control.

4. The Engineer will permit lane closures as follows:

(A) Kaumualii Hwy. from MP 5.5 to MP 12.3 (Halewili Road) the Engineer will permit lane closures only at night. The Engineer will allow the Contractor to do night work only as follows:

Sun. 10:00 P. M. - 12:00 Midnight

Mon. - Thurs. 12:00 Midnight - 6:00 A. M.
10:00 P. M. - 12:00 Midnight

Fri. (Morning) 12:00 Midnight - 6:00 A. M.

The Contractor shall not do work on Friday nights and Saturdays or as specified by the Engineer. Sunday's work will be part of Monday's working day. Upon approval of the Engineer, and provided two lanes of traffic can safely be maintained, work in this area may be done during the day.

(B) Kaumualii Hwy. from MP 12.3 to MP 17.0 (Halewili Rd.) the Engineer will permit lane closures only from 8:30 A.M. to 3:30 P.M.

(C) Kuhio Hwy. at MP 5.87 (Wailua Bridge) the Engineer will permit lane closures only from 9:30 A.M. to 3:30 P.M. Lane closures will not be allowed on Kuhio Highway when the Contra Flow is in operation.

5. 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.
6. 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 tone for the exact locations and depths of all underground facilities, either shown on or omitted from the plans, in areas where work, such as the placement of guardrail posts, sign posts, etc. may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for separately. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
7. The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.

8. Existing drainage systems shall remain functional at all times during construction. The 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.

9. The Contractor shall provide for access to and from all existing side streets and driveways at all times.

10. All new guardrail shall be Strong Post w/ W-Beam unless noted otherwise.

11. Connection to existing guardrail shall be considered incidental to Item No. 606.3130 - GUARDRAIL, STRONG POST w/ W-BEAM.

12. Removal of Breakaway Cable Terminal (BCT), including concrete foundations and backfilling holes shall be paid under Item No. 202.0413 - REMOVAL OF TYPE BCT TERMINAL END. Removal of steel rail and posts shall be paid under Item No. 202.0430 - REMOVAL OF GUARDRAIL AND STEEL POSTS.

13. Removal of Type 'C' and Type 'F' Terminal Ends (C and F), including concrete anchor blocks, grouted rubble paving and backfilling holes shall be paid under Item No. 202.0410 - REMOVAL OF TYPE 'C' AND 'F' TERMINAL END.

14. Removal of Type 'G' Terminal End, including concrete anchor block and backfilling hole, shall be paid under Item No. 202.0412 - REMOVAL OF TYPE G TERMINAL END.

15. Removal of Type D (mounded) Terminal End including removal of earth mound, concrete anchor block and any buried guardrail shall be paid under Item No. 202.0411 - REMOVAL OF TYPE 'D' TERMINAL END.

16. Removal of Rub Rails and W-Beam End Sections (Flared or Rounded) shall be considered incidental to Item No. 202.0430 - REMOVAL OF GUARDRAIL AND STEEL POSTS.

17. Removal of SRT and FLEAT terminal ends shall be paid under item No. 202.0430 - REMOVAL OF GUARDRAIL AND STEEL POSTS.

18. No section where guardrails have been removed shall be left unshielded at the end of each work day. Open sections shall be shielded by portable physical barriers. Furnishing, placing and maintaining physical barriers shall be considered incidental to other contract items. See Plan sheet No. 20 for Details.

19. During working hours, open sections shall be delineated by placing Type II Barricades with flashers @ 40' O. C. and traffic cones @ 10' O. C. between barricades. Furnishing, placing and maintaining barricades and cones shall be considered incidental to other contract items.

20. When replacing existing guardrail, new guardrail shall be placed in the same location as existing guardrail, and no closer to highway unless noted otherwise on plans or approved by the engineer.

21. All saw cutting shall be considered incidental to AC Pavement, Mix No. IV.

22. Existing reflector markers at guardrails to be removed and any others noted to be removed shall be considered incidental to guardrail removal.

23. Unless noted to be removed and/or replaced, all existing signs shall remain. The Contractor shall replace any signs damaged during the course of construction at no cost to the State. The Contractor may elect to remove signs for the convenience of work. Removed signs shall be reinstalled at the end of each day's work and such removal and replacement shall be at no cost to the State.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-1(24)	2002	3	40

LEGEND

	Existing Guardrail
	New Guardrail
	Adjust Guardrail
	New Guardrail on Existing Posts
	Exist. Type 'D' (Mounded) Terminal End
	Existing Joint Pole
	Existing Power Pole
	Existing Guy Pole
	Existing Electric Manhole
	Existing Telephone Line
	Existing Telephone Pole
	Existing Telephone Manhole
	Existing TV Cable
	Existing 12" Water Line
	Existing Water Manhole
	Existing Water Air Valve
	Existing Water Valve Box
	Existing Water Meter
	New Water Meter
	Existing Fire Hydrant
	Existing Sewer Line
	Existing Sewer Manhole
	Existing Monument
	Existing 24" Drain Line
	Existing Storm Drain Manhole
	Existing Grated Drop Inlet
	Existing Catch Basin
	Existing Traffic Sign

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GENERAL NOTES AND LEGEND

KAUMUALII HIGHWAY
Guardrail and Shoulder Improvements
Omao to Hanapepe
Fed. Aid Project No. STP-050-1(24)

Date: July 2001

SHEET No. 1 OF 1 SHEETS

ORIGINAL	DATE
NO. 1	7/1/01
NO. 2	7/1/01
NO. 3	7/1/01
NO. 4	7/1/01
NO. 5	7/1/01
NO. 6	7/1/01
NO. 7	7/1/01
NO. 8	7/1/01
NO. 9	7/1/01
NO. 10	7/1/01
NO. 11	7/1/01
NO. 12	7/1/01
NO. 13	7/1/01
NO. 14	7/1/01
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NO. 35	7/1/01
NO. 36	7/1/01
NO. 37	7/1/01
NO. 38	7/1/01
NO. 39	7/1/01
NO. 40	7/1/01