

Guardrail-

TRAFFIC 🖔

PLAN

Offset Block or Blockout

-Guardrail Post

FBB03 quardrail bolt -

with recessed nut

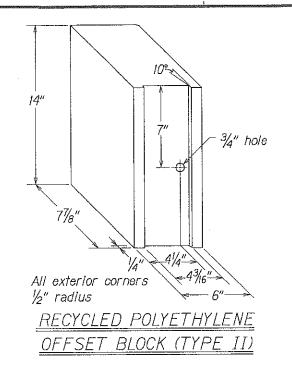
Exploded View

Offset Block or Blockout

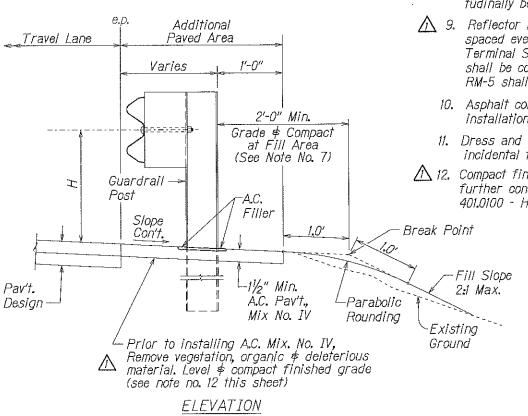
Strong Post

(PWE01)

(PWE02)



GUARDRAIL TYPE	DIMENSION
Strong Post W-Beam	H 1'-95/ ₈ "
Strong Post Rubrail (W-Beam)	2'-0"
Modified or Strong Post Thrie Beam	2'-0"



GENERAL NOTES

HAW. STP-0583(002) 2011 ADD. 19 27 HAWAII 1. All hardware, posts and fasteners shall be hot-dip zinc coated galvanized after fabrication. No punching, drilling or cutting will be permitted after galvanizing.

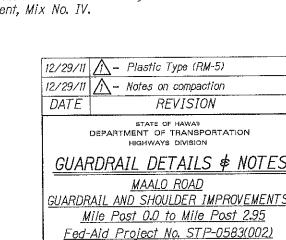
STATE

FISCAL SHEET YEAR NO.

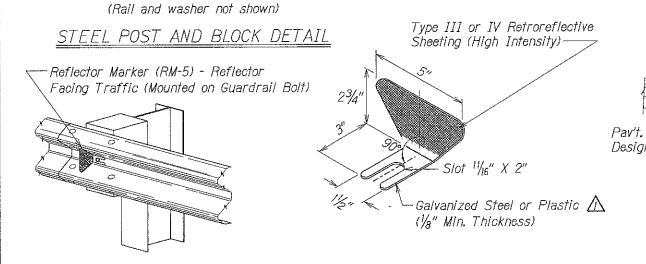
2. Where conditions require, special post lengths in increments of 6 inches may be specified.

FED. ROAD DIST. NO.

- 3. All fasteners, posts, and rail elements (i.e. FBB03, PWE01, RWM02b, etc.) shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware", a report prepared and approved by the AASHTO-AGC-ARTBA Joint Cooperative Committee, Subcommittee On New Highway Materials, Task Force 13 Report. Dimensions of fastners, posts and rail elements have been converted from metric units into their present form.
- 4. The Recycled Plastic Block or Offset Block shall be approved by the State.
- 5. All new guardrail systems (system consists of total length of guardrail including both end treatments) shall include the Additional Paved Area.
- 6. After the quardrail posts are installed in the paved area, the Contractor shall fill/seal around each guardrail post and all cracks in the paved area caused during the guardrail post installation. If required by the inspector/engineer, the Contractor shall tamper the paved area around the guardrail post prior to filling/sealing. All costs associated with this work shall not be paid for separately, but shall be considered incidental to the various quardrail items.
- 7. When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.
- 8. New A.C. pavement at quardrails shall extend 6 feet longitudinally beyond terminal ends.
- ⚠ 9. Reflector Markers (RM-5) mounted on guardrails shall be spaced every 25 feet. RM-5's shall not be installed on Terminal Sections. Furnishing and installing of each RM-5 shall be considered incidental to the adjacent guardrail system. RM-5 shall be either galvanized steel or plastic.
 - 10. Asphalt concrete pavement shall be constructed prior to installation of quardrail.
 - 11. Dress and hydro-mulch fill/cut areas and shall be considered incidental to the various contract items.
- // 12, Compact finished grade until there is no visible evidence of further consolidation. This work is subsidiary to Item No. 401.0100 - HMA PAvement, Mix No. IV.



Scale: Not to scale



REFLECTOR MARKER (RM-5) DETAIL AND TYPICAL INSTALLATION

TYPICAL GUARDRAIL INSTALLATION

ADD. 19

SHEET No. 1 OF 8

Date: Dec. 2011

SHEETS