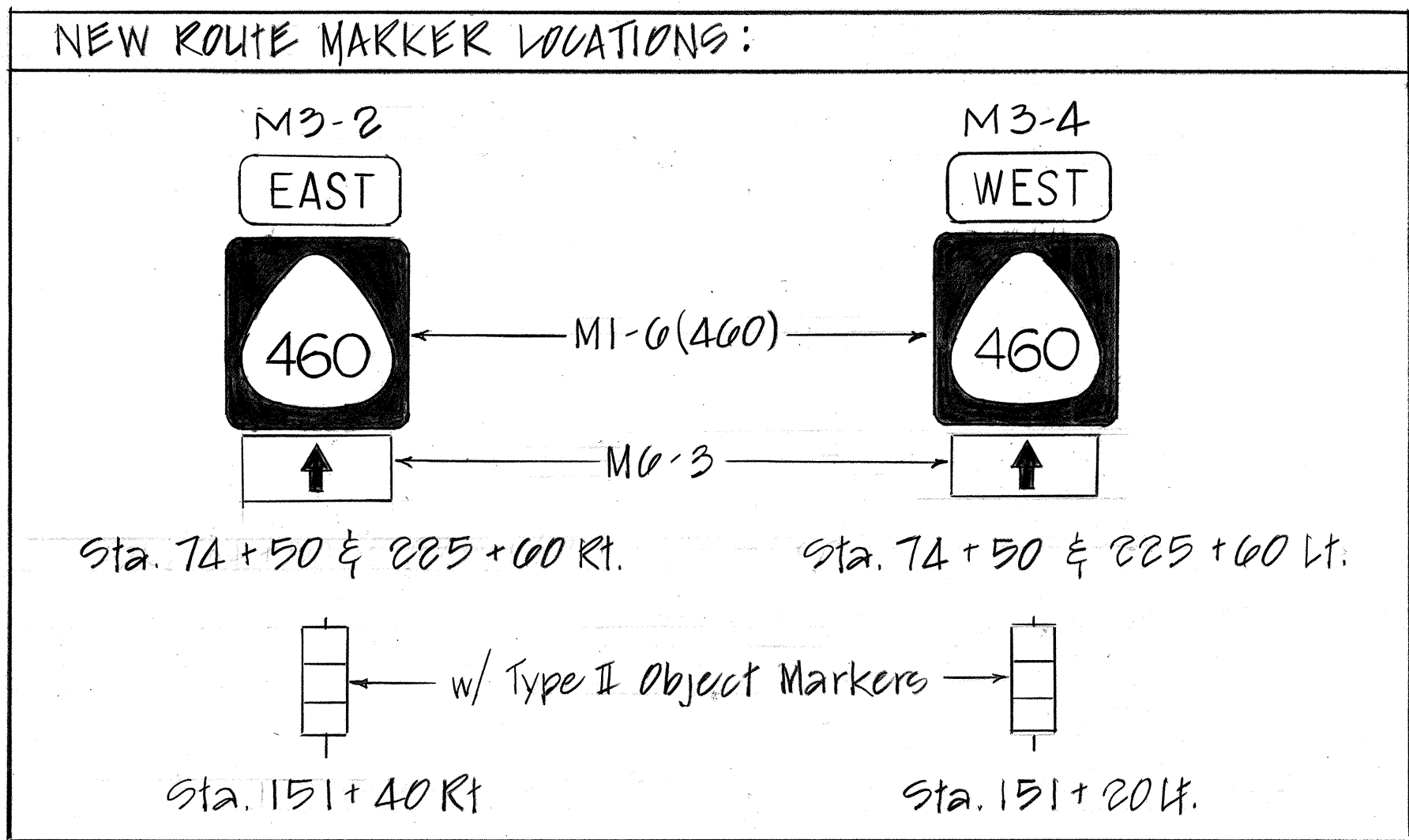


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	K9-0460(5)	1985	2	46

GENERAL NOTES

- Improvements consist of replacing 17 culverts, reconstructing 2 culvert outlets, constructing concrete headwalls, concrete drop intakes, a concrete outlet structure, and GRP aprons, installing guardrails, route markers, RM-1s, and Type II Object Markers, and restoring pavement, striping and lined gutters.
- Demolishing and/or removing of existing headwalls, drop intakes and culverts and restoration of lined gutters shall not be paid for but shall be considered incidental to the various contract items.
- Final location and alignment of all culverts, headwalls and drop intakes, etc. shall be determined by the Engineer in the field.
- For details of Manhole Ring and Standard Concrete Headwall, see sheet numbers DH-6 and DH-10.
- Refer to Section 670 of the Special Provisions for additional information regarding the specifications and installation of Liner Plate Culverts.
- All guardrail layouts shall be done by the Contractor but shall be approved by the Engineer before construction.
- Sections where guardrails and guide posts have been removed shall not be without portable barriers during non-working hours. Portable barriers shall be installed in conformance with the U.S. Department of Transportation, FHWA, Manual on Uniform Traffic Control Devices for Streets and Highways, 1978 Edition as amended, to physically deter access of vehicles and to delineate the limits and extent of guide posts removed until new guardrails are installed. Removal & disposal of existing guardrails and guide posts shall be incidental to Item No. 606.3110 - "Guardrail, Type 3 - Single with Steel Post."
- Contractor shall provide permanent ground cover at all roadside areas exposed or damaged by the Contractor due to his operations during construction. Ground cover shall be indigenous grass or vegetation acceptable to the Engineer. Acceptability will be based on 90 % coverage of established growth satisfactory to the Engineer. This work shall not be paid for separately but shall be considered incidental to the various contract items.
- Restoration of existing fences shall be considered incidental to the various culvert items.
- If any existing guardrails, posts, traffic signs and markers to remain are affected, they shall be removed and reinstalled. Cost shall be incidental to the various contract items.



- Notes: 1. Removal of existing Route Markers with posts shall be incidental to Item 621.6100 Type A Route Marker Assembly.
2. Type II Object Markers @ Sta. 151+40 Rt. & Lt. shall be incidental to Item 621.6100 Type A Route Marker Assembly.

STATE OF HAWAII	
DEPARTMENT OF TRANSPORTATION	
LAND TRANSPORTATION FACILITIES DIVISION	
GENERAL NOTES, NEW ROUTE MARKER LOCATIONS	
MAUNALO A HIGHWAY - Replacement of Culverts bet Maunaloa Village and Kaunakakai - Phase II	
Proj. No. K9-0460(5)	
Date: Apr. 1984	
SHEET No. 1 OF 1 SHEETS	