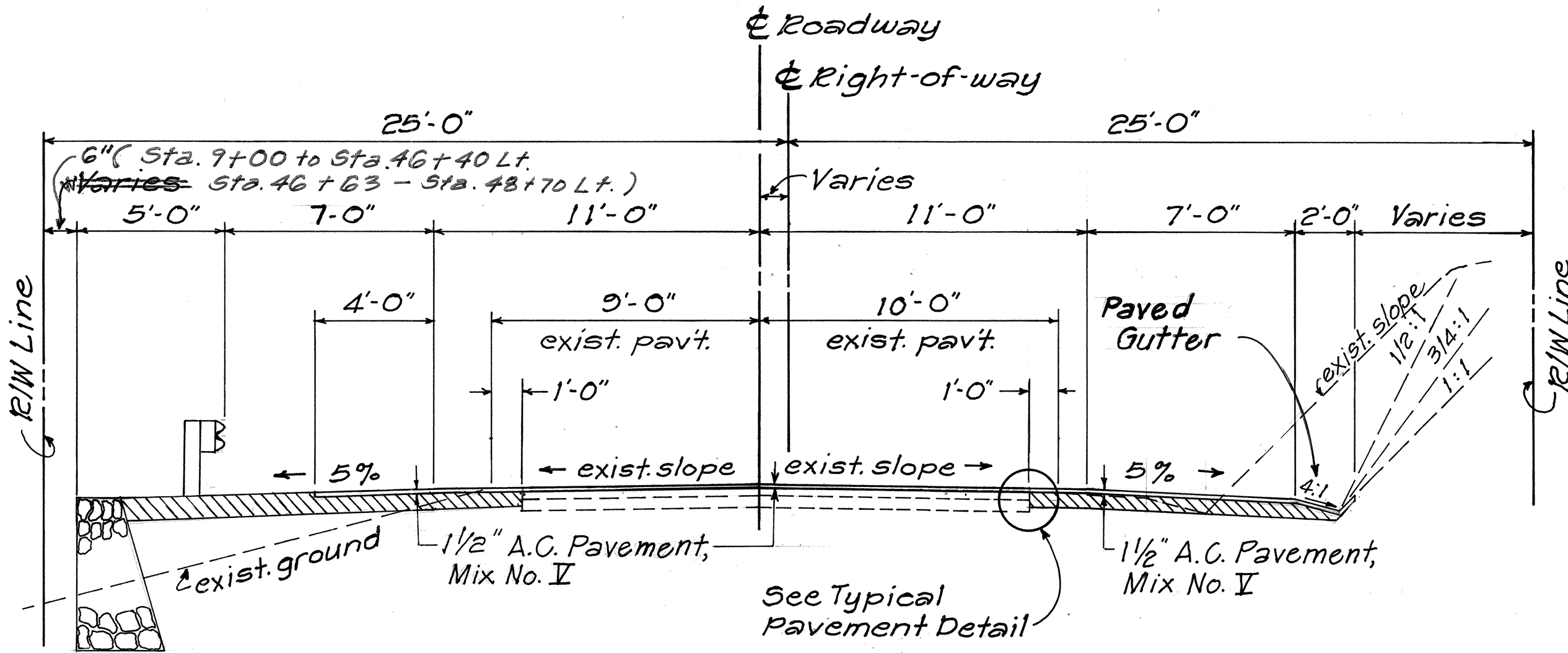


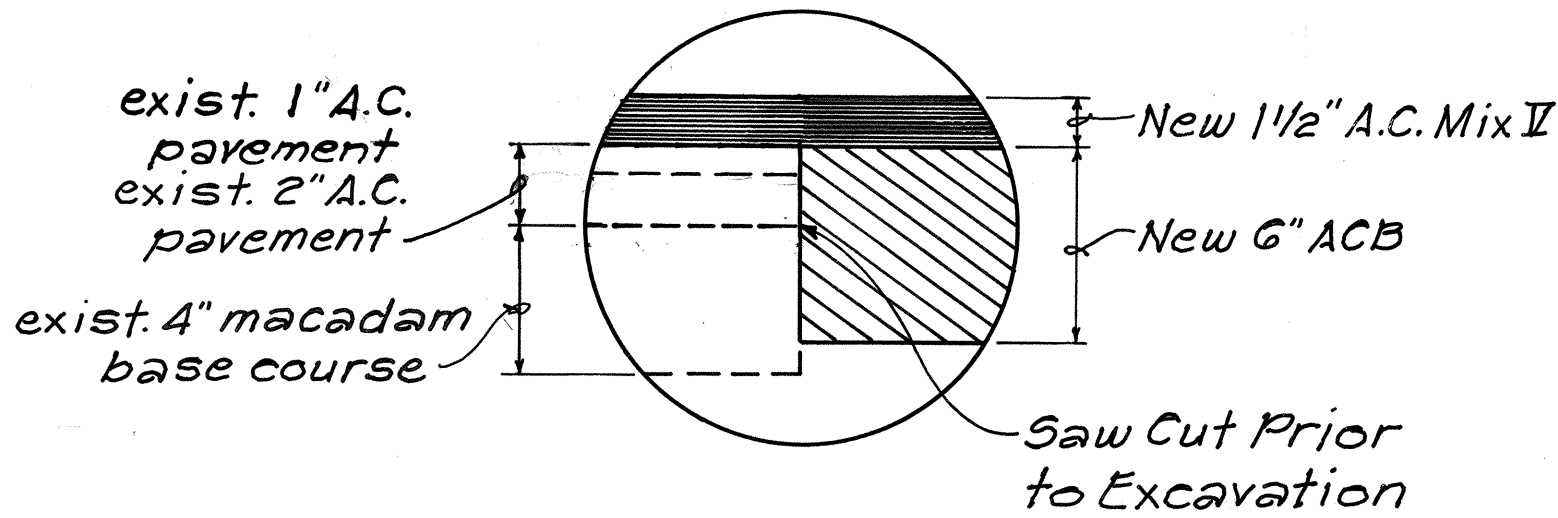
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HES-0190(9)	1990	3	24



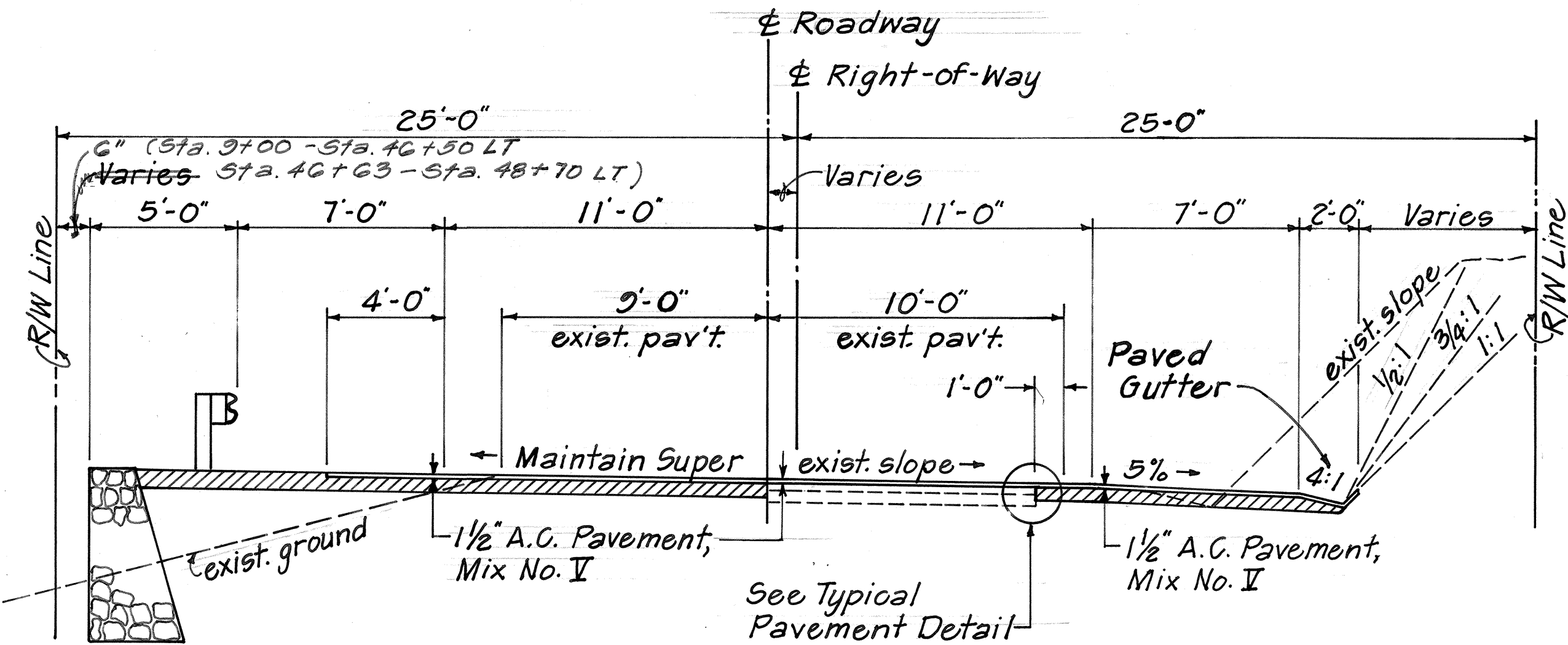
TYPICAL SECTION ON TANGENT
Not To Scale

GENERAL NOTES:

- This Project consists of Widening and Reconstructing the existing Pavement and Shoulders; Constructing Concrete and CRM Walls; Installing Guardrails, Pavement Markers, Reflector Markers, and Signs; Relocating Utilities; Resurfacing Existing Pavement; Striping; and Providing Detours.
- All Work shall be done in accordance with all applicable sections of the "HAWAII STANDARD SPECIFICATIONS for ROAD and BRIDGE CONSTRUCTION," 1985 as amended.
- Structure Excavation for the Retaining Walls shall be done without Over-Excavating the Specified Limit. All Work shall be confined within the 50-foot Roadway Right-Of-Way. Any Work or Cost beyond the Specified Limit shall be borne By The Contractor.
- No Material and/or Equipment shall be Stockpiled/stored within the State Highway Right-Of-Way, except at Locations Approved in Writing By The Engineer. The Contractor may Dispose Excess Excavated Material along low areas adjacent to the existing roadway (vicinity of the project) and as directed By The Engineer. This Work shall be considered Incidental to Roadway Excavation.
- The Contractor's Attention is Directed to Subsection 107.13 - "Public Convenience and Safety" of the Special Provisions.
- Existing Surface variable. Surface indicated is not intended to represent any specific location.
- The existing subgrade shall be properly prepared prior to the placing of the Plant Mix Asphalt Concrete Base Course. This preparation of the subgrade shall be incidental to Item No. 203.0100 Roadway Excavation.
- Contractor shall coordinate his work schedule with the Utility Companies and other Contractors to avoid unnecessary delays in the completion of the project.
- All Construction Signs shall be Reflectorized with High Intensity Reflective Sheeting.
- Contractor shall Procure all Necessary Permits and Pay any Necessary Fees for the Lawful Prosecution of the Work. Costs are Incidental to the Various Items of Work.
- All sawcutting work shall be considered incidental to Road way Excavation.



TYPICAL PAVEMENT DETAIL
Not To Scale



TYPICAL SECTION ON CURVE
Not To Scale

- All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V leveling course prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. V.
- Existing utilities locations shown on the plans are approximate only. The Contractor shall verify their actual locations with the various owners and shall be liable for any damages incurred to the existing utilities as a result of his operations. The damaged utilities shall be replaced and/or repaired by the Contractor, in accordance with the Standards and Specifications of the affected utility, at his expense.
- Maintenance of traffic through the construction area shall be in accordance with Part VI of the "Manual on Uniform Traffic Control Devices for Streets and Highways," Federal Highways Administration (1985), and as specified in the Special Provisions. The Contractor shall furnish and maintain adequate barricades, blinkers, construction signs, etc. for the safety of the motoring public.
- Relocation of power poles shall be done by others.
- Smooth and easy riding connections shall be constructed at the beginning and end of project. Transition shall be 50 feet per 1 1/2 inch of pavement thickness.

6/10/90 Revised Typical Sections,
Pavement Detail and General
Notes as per Add. No. 1.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTION & DETAIL
RTE. 190, HAWAII BELT ROAD, GRDL. AND
SHLDR. IMPVTS. AT KAUPULEHU
FED. AID PROJ. No. HES-0190(9)
Scale: As Noted Date: May, 1990
SHEET No. 1 OF 1 SHEETS

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	