

ABBREVIATIONS

AB	Aggregate Base	I.D.	Inside Diameter
AC	Asphaltic Concrete	Inv.	Invert
ACP	Asbestos Cement Pipe		
ACV	Angle Control Valve	L	Length of Curve
ADT	Average Daily Traffic Volume	Lb.	Pound
AIP	Abandon in Place	L.F. or Lin. Ft.	Linear Feet
ASB	Aggregate Subbase	L.S.	Lump Sum
ATB	Asphalt Treated Base	Lt.	Left
AVB	Atmospheric Vacuum Breaker		
£	Base Line	Max.	Maximum
BEG.	Begin	M.H.	Manhole
B.M.	Bench Mark	Mi.	Mile (s)
B.V.C.	Begin Vertical Curve	Min.	Minimum
B.W.S.	Board of Water Supply	M.L.	Match Line
		Mon.	Monument
C	Cut	N	North
£	Center Line	No.	Number
C.B.	Catch Basin		
CC.	Center of Curve	O.C.	On Center
C & C	City and County	O.D.	Outer Diameter
C.D.I.	Concrete Drop Intake	O/S	Offset
C.G.	Change of Grade	Pav't.	Pavement
C.I.	Cast Iron	P.C.	Point of Curve
Cl.	Clearance	P.C.C.	Portland Cement Concrete
Cl. III	Class III	P.I.	Point of Intersection
C.M.P.	Corrugated Metal Pipe	Proj.	Project
Conc.	Concrete	P.T.	Point of Tangent
Cont.	Continuous	P.V.C.	Polyvinyl Chloride
C.Y. or Cu. Yd.	Cubic Yard		
		R	Radius
D	Directional Distribution	RCP	Reinforced Concrete Pipe
DB	Bridge Design Section	Rdwy.	Roadway
DD	Highway Design Section	Reinf.	Reinforced
DH	Hydraulic Design Section	req'd.	Required
DT	Traffic Design Section	Ret.	Retaining
D.H.V.	Design Hour Volume	Rt.	Right
Dia. or dia.	Diameter	R/W	Right-of-Way
Dist. No.	District Number		
E	East	£	Station Line
ea.	Each	S.D.I.	Shoulder Drop Intake
E.B.	Eastbound	SDMH	Storm Drain Manhole
El.	Elbow	S.E.	Superelevation
Elev.	Elevation	s.f. or sq. ft.	Square Feet
Emb.	Embankment	Shldr.	Shoulder
E.P.	Edge of Pavement	Sht. No.	Sheet Number
Eq.	Equal or Equation	sht. "t"	Sheet Thickness
E.S.	Edge of Shoulder	sl.	Slope
Est.	Estimated	SMH	Sewer Manhole
E.V.C.	End of Vertical Curve	So.	South
Exc.	Excavation	Sta.	Station
Exist.	Existing	Std.	Standard
Ext.	Extension	sq. or sq. yd.	Square Yard
		Symm.	Symmetrical
F	Fill		
F.A.	Force Account	T	Tangent Length
F.A.I.	Federal Aid Interstate	T ₂₄	Number of Trucks in 24 Hour Period
FED.	Federal	T.S.	Typical Section
F.H.	Fire Hydrant	Typ.	Typical
Fin. Grade	Finish Grade		
Ftg.	Footing	V	Design Speed
		V.C.	Vertical Curve
Gals.	Gallons	Vert.	Vertical
Galv.	Galvanized		
G.D.I.	Grated Drop Intake	W	West
G.I.	Galvanized Iron	w/	With
		W.B.	Westbound
HAW	Hawaii	W.I.	Wrought Iron
H.E. or H.E.Co.	Hawaiian Electric Company	WMH	Water Manhole
Hor. or Horiz.	Horizontal		
H.T. or H.T.Co.	Hawaiian Telephone Company		
Hwy.	Highway		

SYMBOLS

% Per Cent
 Δ Delta
 ± Plus or Minus
 ϕ Round Bar
 #G Number G
 40# 40 Pounds
 3.45 Exist. Rdwy. Slope in %
 Indicates a change at the indicated station in guard-rail type, curb, wall, etc., from previously designed shoulder.
 The Example ellipse reads as follows:
 DD - Design work by Hwy.
 Design Section
 5075-At approximate £ Sta. 250+75
 65- Detail to be found on Plan Sheet No. 65.

GENERAL NOTES

- Bench Marks are referred to the Mean Sea Level Datum.
- Bituminous Swale:
 - The non-emergent weed killer required for the gutter shall be incidental to the bituminous gutter.
 - Asphalt Concrete Mix I shall conform to the requirements of Section 609, Curb and/or Gutter of the Special Provisions.
- Item No. 639.01 of the Proposal has a Force Account allowance of \$5,000.00 to cover any temporary project water pollution control work. The Contractor shall refer to Section 639 of the Special Provisions.
- The Project Field Office and Project Site Laboratory shall be constructed on State-owned land; its exact location shall be verified with the Engineer. For additional requirements the Contractor shall refer to Section 636 of the Special Provisions.
- All references to Plan sht. nos. are to the sheet no. located on the lower right of the Plan sheet on the outside of the border line, except that the references to Plan sheet nos. in the Bridge Plans refer to the number between the Title Block and the bottom plan border line.
- Except for those items provided in the Proposal Schedule, all guard rail end anchorages, terminal sections, and transition sections shall not be paid for separately. They shall be measured and paid for as part of the abutting guard rail.
- Reinforced Concrete Driveways shall not be measured or paid for separately. They shall be measured and paid for as part of the reinforced concrete sidewalk.
- Removal of the existing concrete railing and curb (including the end post) from the Kalo Lane Separation, drilled holes, and structure excavation for the new concrete railing will not be paid for separately but will be considered incidental to the cost of Guard Rail Type 4 on Kalo Lane Structure.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(60):23	1976	5	181

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

GENERAL NOTES
ABBREVIATIONS & SYMBOLS

 F.A.I. Proj. No. I-HI-(60):23
 Date: Sept. 1976
 SHEET No. 1 OF 1 SHEETS