

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-0450(8)	2011	10	93

LEGEND

	Existing Electrical/Telephone Overhead Cables
	Existing Waterline and Size
	Limits of Heavy Vegetation
	Existing Tree
	Existing Coconut Tree
	Existing Contour Line and Elevation Text
	Existing Guard Rail
	Existing Raised Pavement Markers
	Existing Top of Stream and Bottom of Stream
	Existing Sign
	Existing Wooden Fence
	Right-of-Way
	New Dumped Rip Rap
	New Grouted Rubble Paving
	New Concrete Slab
	New Waterline
	New Drainline
	New Wooden Fence
	Direction of Flow
	Finish Grade

ABBREVIATIONS

A.C.	Asphalt Concrete	Pav't	Pavement
ARV	Air Relief Valve	Pb	Pullbox
BL	Baseline	PIVC	Point of Intersection Vertical Curve
BC	Bottom of Curb	PL	Property Line
Blk.	Block	PC	Point of Curve
Bldv.	Boulevard	PCC	Point of Compound Curve
BV	Bottom Vertical	POC	Point on Curve
BVC	Begin Vertical Curve	PPM	Parts Per Million
BW	Bottom of Wall	PRC	Point of Reverse Curve
Ch	Chord	PT	Point of Tangency
CL	Centerline	PRVC	Point of Reverse Vertical Curve
C.O.	Cleanout	R	Radius
Conc.	Concrete	Rcp	Reinforced Concrete Pipe
CG	Change in Grade	ref	Reflector
CRM	Concrete Rubble Masonry	R.O.W.	Right-of-Way
CY	Cubic Yards	rpm	Raised Pavement Marker
d or DIA.	Diameter	Rt.	Right
DI	Drain Inlet	S	Spread
D/W or Drwy.	Driveway	SF	Square Feet
Δ	Delta	Sta.	Station
EMB	Embankment	T	Tangent
EVC	End Vertical Curve	TC	Top of Curb
EXC	Excavation		
Exist.	Existing	Temp.	Temporary
FH	Fire Hydrant	TV	Top Vertical
Fnd	Found	TW	Top of Wall
ga	Guy Anchor	Typ.	Typical
GRP	Grouted Rubble Paving	UP	Utility Pole
Δ/2	Half Delta	V.C.	Vertical Curve
h	Height	Vert.	Vertical
Horiz.	Horizontal	W/	With
Hwy.	Highway	WL	Water Line
Inv.	Invert	WMH	Water Manhole
Kam.	Kamehameha	WV	Water Valve
Lbs	Pounds		
Lc	Length of Curve		
LT	Left		
Max.	Maximum		
MH	Manhole		
Min.	Minimum		
M.L.	Matchline		
NO.	Number		
O.C.	On Center		
O/S	Offset		

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LEGEND AND ABBREVIATIONS

KAMEHAMEHA V HIGHWAY
Kawela Bridge Replacement
Federal Aid Project No. BR-0450(8)

Scale: AS NOTED Date: Oct. 2010