			SYMBOLS	S AND	ABBRE VIA TIONS			FED. ROAI DIST. NO. HAWAII	STATE         FED. AID PROJ. NO.         FISCAL YEAR         SHEET NO.           HAW.         STP-8930(2)         2007         ADD. 185
&	And	Det.	Detail	Ht.	Height	P(e)	Effective Prestressing Force	Tan.	Tangent
@	A t	Dia.	Diameter	(H)	Hinge	PP	Precast Plank	Тетр.	Temporary
Ø	Diameter	Diaph.	Diaphragm	Horiz., H	Horizontal	Perf.	Perforated	Thk.	Thick
>	Greater Than or Equal to	Dim.	Dimension	HS	High strength	PL PL	Plate	$\mathcal{T}$	Тор
_ <	Less Than or Equal to	Dist.	Distance	HECO	Hawaiian Electric Company	PCC	Portland Cement Concrete	T&B	Top and Bottom
	Number	DO	Ditto			PC	Point of Curvature	TOD	Top of Deck
<i>IT</i>	744777607	Dwls.	Dowels			PCF	Pounds per Cubic Foot	TFE	Top of Footing Elevation
		Dwis. Dn.	Down	ΙΒ	Inbound	PSF	•	Tot.	Total
16.4	Abutmont		Double		Inch		Pounds per Square Foot	Transv.	Transverse
Abut.	Abutment	Dbl.		ln.		PSI	Pounds per Square Inch		
Abbr.	Abbreviation	DI	Drain Inlet, Ductile Iron	ID 15	Inside Diameter	PLF	Pounds per Linear Foot	TS To the	Structural Tubing
Add.	Additional, Added		Drawing, Drawings	IF ,	Inside Face	PI	Point of Intersection	Тур.	Typical
Alt.	Alternate	DS	Drilled Shaft	Int.	Interior		of Tangents		
AB	Anchor Bolt			ln v.	Invert	PIVC	Point of Intersection of	Undergrd.	•
AC	Asphaltic Concrete	EA, Ea., ea.					Vertical Curve	UNO	Unless Noted Otherwise
Approx.	Approximate	EF	Each Face			PT	Point of Tangency, Post Tensione	ed	
Az.	Azimuth	EFH	Each Face Horizontal	Jt.	Joint	Pt., Pts.	Point, Points	Var.	Varies
		EFV	Each Face Vertical			PRC	Point of Reverse Curvature	Vert., V	Vertical
		EW	Each Way			PVC	Polyvinyl Chloride	VC	Vertical Curve
Bk.	Back	EP	Edge of Pavement	K	Kips	Prestr.	Prestressed		
Bal.	Balance	EPS	Expanded Polystyrene	KF	Kip Foot	P/S	Prestressed Strands		
	Baseline	F. J	East	KSF	Kips Per Square Foot	PB	Pull Box	W/C	Water/Cement Ratio
ш Вт.	Beam	Elec.	Electrical	KSI	Kips Per Square Inch	. 5	. Serv. 100 Serv. 1	w/	With
		EMH	Electrical Manhole	KLF	Kips Per Linear Foot	Q	Flow Rate	IN/	West
Brg., Brgs.				NLI	NIPS I EL LITTEUL I UUL	Ų	FIOW NULU	w WWF	Welded Wire Fabric
BVC D=1	Beginning of Vertical Curve	El., Elev.	Elevation  First translation	1	1 +	D~d D	Padius		
Bet.	Between	Emb.	Embankment	L	Length David David	Rad., R	Radius Poss Face	WW	Wing Wall
BF DV	Both Faces, Back Face	Embed.	Embedded, Embedment	· ·	Pound, Pounds	RF	Rear Face	WP	Work Point, Working Point
BW 	Both Ways	EVC	End of Vertical Curve	Ltg. Std.	Lighting Standard	Rebar	Reinforcing Bar	WS	Water Surface
BFE	Bottom of Footing Elevation	Eq.	Equal	LF	Linear Feet/Foot	Ref.	Reference		
Bot., Bott.,	, <b>B</b> ottom	Est.	Estimated	Lin. Ft.	Linear Feet/Foot	Reinf.	Reinforced, Reinforcing,		
Br.	Bridge	Exc.	Excavation	LS	Lump Sum		Reinforcement	Yr.	Year
BIt.	Bolt	Excl.	Excluding	Longit.	Longitudinal	Req'd.	Required		
		Exist., Ex.	Existing	-		Ret.	Retaining		
		Exp., (E)	Expansion	A 4	11 - 1:5:1	ROW	Right of Way		
Cant.	Cantilever	EJ	Expansion Joint	M	Modified	Rdwy.	Roadway		
CIP	Cast—in—Place	Ext.	Exterior	MH	Manhole	,			
C.	Centerline	6mm (* * * * *	· · · · · · · · · · · · · · · · · · ·	Мах.	Maximum	Sect.	Section		
<u>v</u> СС	Centernine Center of Gravity			Mech.	Mechanical	SDMH	Sewer Drain Manhole		
	3	FF	Far Face. Front Face	Min.	Minimum	Sht.	Sheet		
cgs	Center to Gravity of Strands			Misc.	Miscellaneous	SIII.			
CC	Center to Center	F'c	Specified Strength	MPH	Miles Per Hour	SI.	Slope		
CI.	Class	<i>,</i> —, ,	of Concrete				South Space Spacina		
Clr.	Clearance	F <b>'</b> ci	Strength of Concrete at	A 15		Spc., Spg.	Spaces, Spacing		
Col.	Column		Time of Initial Prestress	NF	Near Face	Sprd.	Spread		
Conc.	Concrete	Ft.	Feet, Foot	Ν	North	Spec.	Specification		
Conn.	Connection	Fig.	Figure	NIC	Not in Contract	SF	Square Feet	1	1
Const.	Construction	Fin. Gr.	Finish Grade	No.	Number	SY	Square Yard	r /2 a /	07 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
CJ	Construction Joint	(F)	Fixed	NTS	Not to Scale	SS	Stainless Steel	5/11/	07 /2 Added Abbreviation
Cntl. Jt.	Control Joint	FB <sup>-</sup>	Flat Bar			Std.	Standard	DATE	REVISION
CLSM	Controlled Low Strength	Ftg.	Footing			Sta.	Station		STATE OF HAWAII
	Material	FA	Force Account	0/5	Offset	Stagg.	Staggered , N X. F	LU/M	DEPARTMENT OF TRANSPORTATION
Cont.	Continuous	, , ,	, or our recount	0C	On Center	Stiff.	Stiffener Stiffener	D (3)	HIGHWAYS DIVISION
CFCW		Ga.	Cade Caude		Opening	Stirr.	Stirrup PROFESSIO	R )★	MBOLS AND ABBREVIATI
UI UVV	Continuous Flashing Compound		Gage, Gauge Calvanized	Opn'g OB	,	Stirr. Str.	NO. 8104	-s <u>.</u> ./	- come we take to 11 that I think that I have \$17 the
OF.	Waterproofing	Galv.	Galvanized Class Fiber Painforced Polymour	OB	Outbound Outpide Diamenton			.5.	North-South Road
UT ON ON THE	Cubic Feet	GFRP	Glass Fiber Reinforced Polymer	OD	Outside Diameter	Struct.	Structure  Super Flevation ME OR UNDER MY	PREPARED BY	Phase 1B
CY, Cu. Yd.	Cubic Yard	Gr.	Grade		·	SE	Super Lievation	JOI LIVISION.	F.A.I. Proj. No. STP-8930(2)
		Grd.	Ground			Symm.	Symmetrical Sand K. For	~	1.M.I. FIUJ. NO. SIF-0930(Z)
		GRP	Grouted Rubble Pavement				XI CADI W. Je. 1997	1000100	ale: None Date: Feb. 2

SHEET No. SO.7 OF 78 SHEETS
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