

		DIS1. NO.		<u> </u>		ILAN	140.	Lone	
		Н	AWAII	HAW.	ARR-0480(3)	2009	8	35	
ITEM NO.	QT	γ.	BILL OF MATERIALS						
F3000	1		IMPACT HEAD						
F1303	1		W-BEAM GUARDRAIL END SECTION, 12 GA.						
G1203	2		W-BE	W-BEAM GUARDRAIL, 12 GA.					
<i>S730</i>	2		*FOU	*FOUNDATION SOIL TUBE, 6" x 8" x 72"					
E750	1		BEARING PLATE						
<i>S760</i>	1		CABLE ANCHOR BOX						
E770	1		BCT	BCT CABLE ANCHOR ASSEMBLY					
E780	1		GROU	GROUND STRUT					
PB620	2	2 STEEL BREAKAWAY END POST							
PB621	5	5 STEEL BREAKAWAY LINE POST							
	5 RECYCLED PLASTIC BLOCKOUT OR OFFSET BI					LOCK			
	1		IMPA	CT HEA	D REFLECTOR M.	ARKER -	IHRM(F	?) OR (L)	
			HARDWARE						
B580122	25	;	5⁄8″ D	5/8" Dia. x 11/4" SPLICE BOLT, POST #2					
B580754	2		5⁄8" Dia. x 71⁄2" HEX BOLT						
B341004	2		3/4" D	)ia. x 10°	" HEX BOLT			The state of the s	
B581002	5		5/8" Dia. x 10" H.G.R. BOLT (POST 3 THRU 7)						
N050	32	?	5⁄8″ D	Dia. H.G.F	R. NUT (SPLICE 24, POST 2 THI	SOIL TUBES 2 RU 7, 6)	?		
N030	2		3/4" D	Dia. HEX					
W050	6		H.G.R.	. WASHE	ĪR				
W030	4		3/4" II	D WASH	'ER				
N100	2		1" ANCHOR CABLE HEX NUT						
W100	2		1" ANCHOR CABLE WASHER						
B140404	2		1/4" x 4" HEX BOLT						
N014	2		1/4" H	EX NUT					
W014	4		1/4" W.	ASHER					
SB58A	8		CABLI	E ANCH	OR BOX SHOULD	DER BOLT	Τ		
N055A	8		1/2" A.	325 STF	RUCTURAL NUT				
W050A	16		11/16" (	DD x %	5" ID A325 STR.	WASHER	7		
					T / 0 //				

FED. AID PROJ. NO.

FED. ROAD DIST. NO.

STATE

FISCAL SHEET TOTAL YEAR NO. SHEETS

Foundation Tube Options For Posts 1 \$\psi 2\$

\*6'-0" Split Foundation Tubes S730

\*6'-0" Solid Foundation Tubes E731

\*5'-0" Foundation Tubes S735 W/Soil

Plates SP600

\*4'-6" Foundation Tubes E735 W/Soil

\*4'-6" Foundation Tubes E735 W/S Plates SP600

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## <u>FLEAT-350 FLARED ENERGY ABSORBING TERMINAL</u> PUUPEELUA AVENUE RESURFACING

Maunaloa Highway to Farrington Avenue and

FARRINGTON AVENUE RESURFACING

Puupeelua Avenue to Kalae Highway

Federal-Aid Project No. ARR-0480(3)

Not to Scale

Date: February, 2009

SHEET No. 1

SHEETS

OF **2** 

