

FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.	STP-0470(5)	2001	12	30

ITEM NO. QTY BILL OF MATERIALS  F3000 1 IMPACT HEAD  F1303 1 W-BEAM GUARDRAIL END SECTION, 12 GA.  F1304 1 W-BEAM GUARDRAIL CENTER SECTION, 12 GA.  G1203 1 W-BEAM GUARDRAIL, 12 GA.  S730 2 *FOUNDATION SOIL TUBE, 6" x 8" x 72"	;A.		
F1303 1 W-BEAM GUARDRAIL END SECTION, 12 GA. F1304 1 W-BEAM GUARDRAIL CENTER SECTION, 12 G G1203 1 W-BEAM GUARDRAIL, 12 GA.	;A.		
F1304 1 W-BEAM GUARDRAIL CENTER SECTION, 12 G G1203 1 W-BEAM GUARDRAIL, 12 GA.	<i>A</i> .		
G1203 1 W-BEAM GUARDRAIL, 12 GA.	<i>A</i> .		
S730 2 *FOUNDATION SOIL TUBE, 6" x 8" x 72"			
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E750 1 BEARING PLATE			
S760 1 CABLE ANCHOR BOX	CABLE ANCHOR BOX		
E770 1 BCT CABLE ANCHOR ASSEMBLY	BCT CABLE ANCHOR ASSEMBLY		
E780 1 GROUND STRUT	GROUND STRUT		
PB620 2 STEEL BREAKAWAY END POST			
PB621 5 STEEL BREAKAWAY LINE POST			
5 RECYCLED PLASTIC BLOCKOUT OR OFFSET E	3LOCK		
HARDWARE			
B580122 25 5/8" Dia. x 11/4" SPLICE BOLT, POST #2			
B580754 2 5/8" Dia. x 71/2" HEX BOLT			
B341004 2 3/4" Dia. x 10" HEX BOLT			
B581002 5			
NO50 32 5/8" Dia. H.G.R. NUT (SPLICE 24, SOIL TUBES 2, POST 2 THRU 7, 6)	M		
N030 2 3/4" Dia. HEX NUT			
W050 6 H.G.R. WASHER			
W030 4 3/4" ID WASHER	¾" ID WASHER		
N100 2 1" ANCHOR CABLE HEX NUT	1" ANCHOR CABLE HEX NUT		
W100 2 1" ANCHOR CABLE WASHER	1" ANCHOR CABLE WASHER		
B140404 2 1/4" x 4" HEX BOLT	1/4" x 4" HEX BOLT		
NO14 2 1/4" HEX NUT			
W014 4 1/4" WASHER	1/4" WASHER		
SB58A 8 CABLE ANCHOR BOX SHOULDER BOLT	CABLE ANCHOR BOX SHOULDER BOLT		
NO55A 8 1/2" A325 STRUCTURAL NUT	1/2" A325 STRUCTURAL NUT		
W050A 16 11/16" OD x 9/16" ID A325 STR. WASHER			

Foundation Tube Options For Posts 1 \$ 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

Plates SP600

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION FLEAT-350 <u>KALAE HIGHWAY</u> GUARDRAIL ≉ SHOULDER IMPROVEMENTS Maunaloa Highway to Kalaupapa Lookout Parking Lot Fed. Aid Project No. STP-0470(5) Date: August, 2000 Not to Scale OF 1 SHEETS

SHEET No.