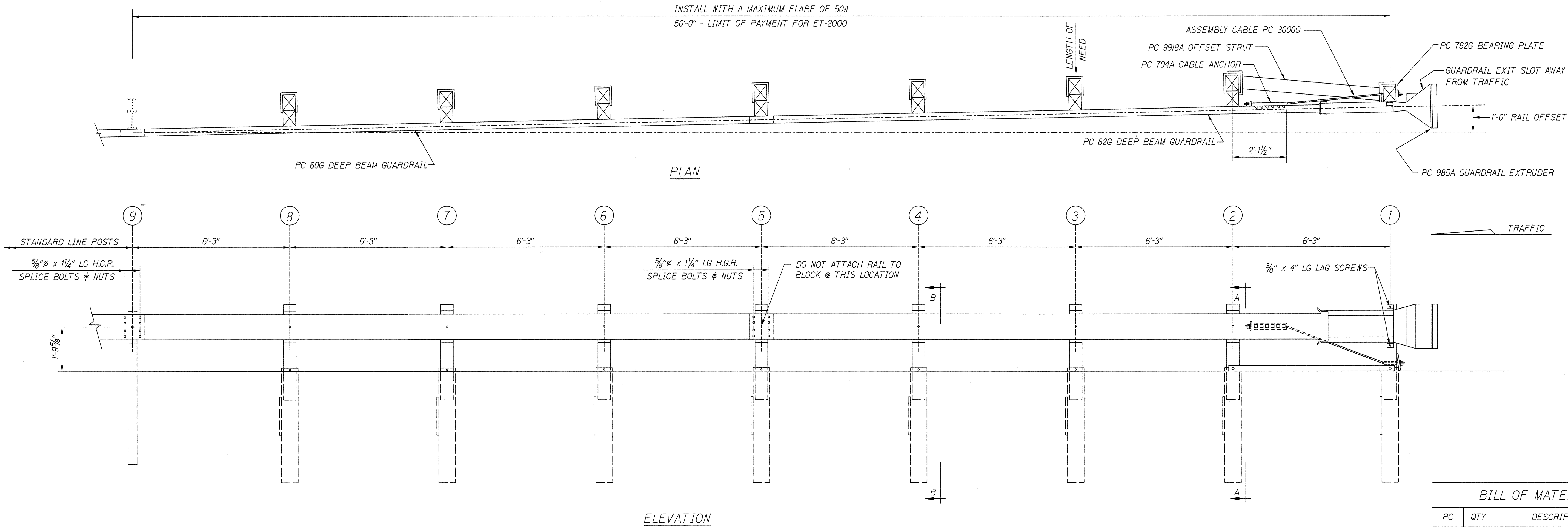
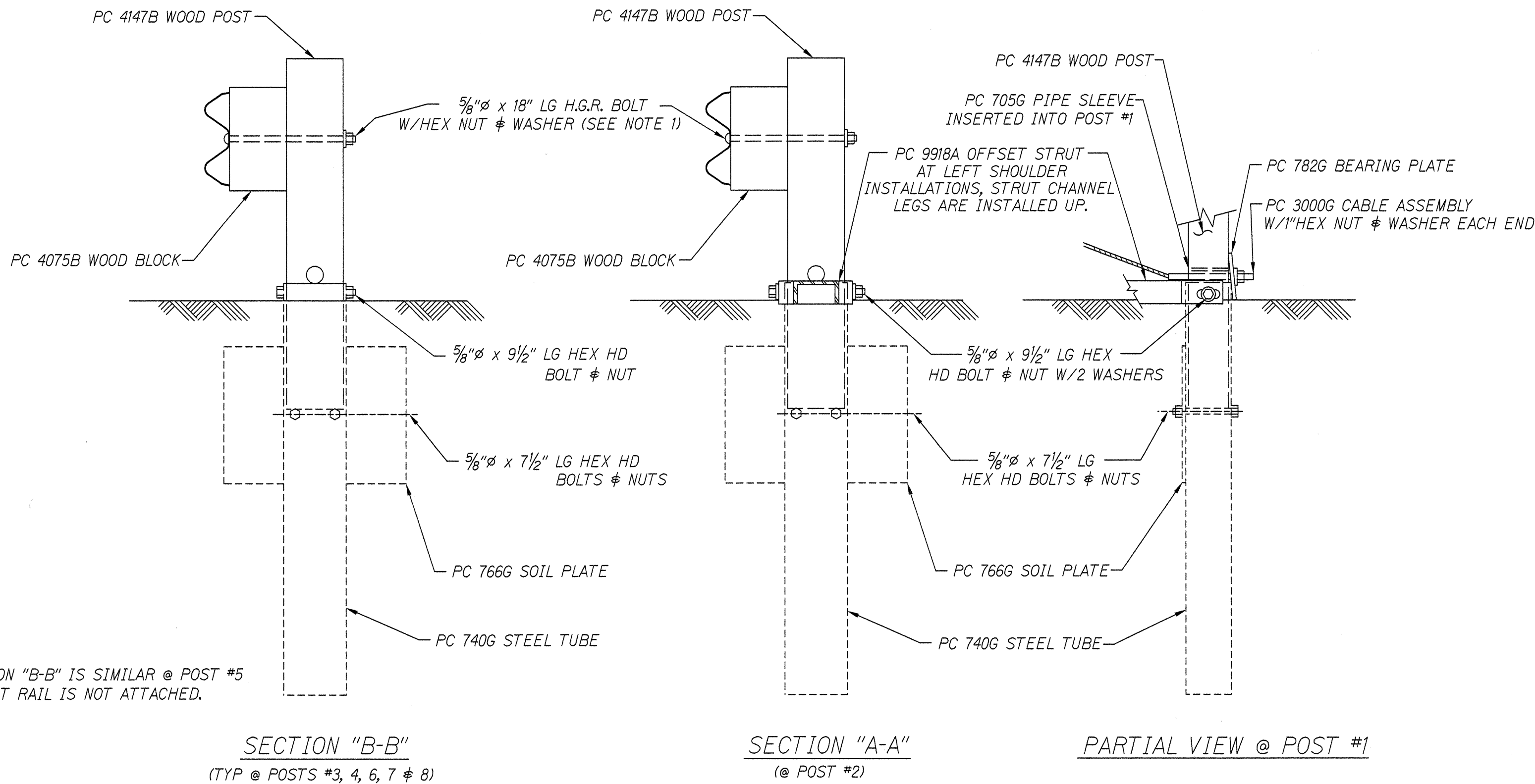


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-036-1(14)	2000	32	70



BILL OF MATERIAL		
PC	QTY	DESCRIPTION
60G	1	12/25/6'3"/S (GUARDRAIL)
62G	1	12/25/6'3"/S ANC (GUARDRAIL)
704A	1	CABLE ANCHOR BRACKET
705G	1	2" x 5 1/2" PIPE
740G	8	4'6" TUBE SLEEVE
766G	8	1/4" x 18" x 24" SOIL PLATE
782G	1	5/8" x 8" x 8" BEARING PLATE
985A	1	ET-2000 EXTRUDER
3000G	1	CABLE 3/4" x 6'
3300G	11	5/8" HEX NUT
3340G	47	5/8" WASHER
3360G	16	5/8" x 1 1/4" SPLICE BOLT
3478G	16	5/8" x 7 1/2" HEX HD BOLT
3497G	8	5/8" x 9 1/2" HEX HD BOLT
3580G	7	5/8" x 18" POST BOLT
3900G	2	1" WASHER
3910G	2	1" HEX NUT
4075B	7	WD BLOCK 1'2" 6" x 8" DR
4147B	8	WD 3'9" POST 5 1/2" x 7 1/2"
4228G	2	3/8" x 4" LAG SCREW
9918A	1	6'3" STRUT



NOTE: THE 5/8" FLAT WASHER IS USED UNDER THE NUT, BEHIND THE POST ONLY. NO WASHER IS USED AT THE RAIL.

NOTE:
SECTION "B-B" IS SIMILAR @ POST #5
EXCEPT RAIL IS NOT ATTACHED.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ET-2000 - OPTION "A"

HANA HIGHWAY
REPLACEMENT OF UAOA BRIDGE AND APPROACHES
DISTRICT OF MAKAWAO
Federal-Aid Project No. BR-036-1(14)

Scale: NTS Date: May, 1999

SHEET No. C-30 OF 42 SHEETS

DESIGNED BY	DATE	9/16/96
DRAWN BY		
CHECKED BY		
NOTED BY		
ORIGINAL PLAN		

13-01-99 tdl:ub/guardrail/w2000design (standard plan TE-61 R1/03/88 & TE-62 R09/01/87)