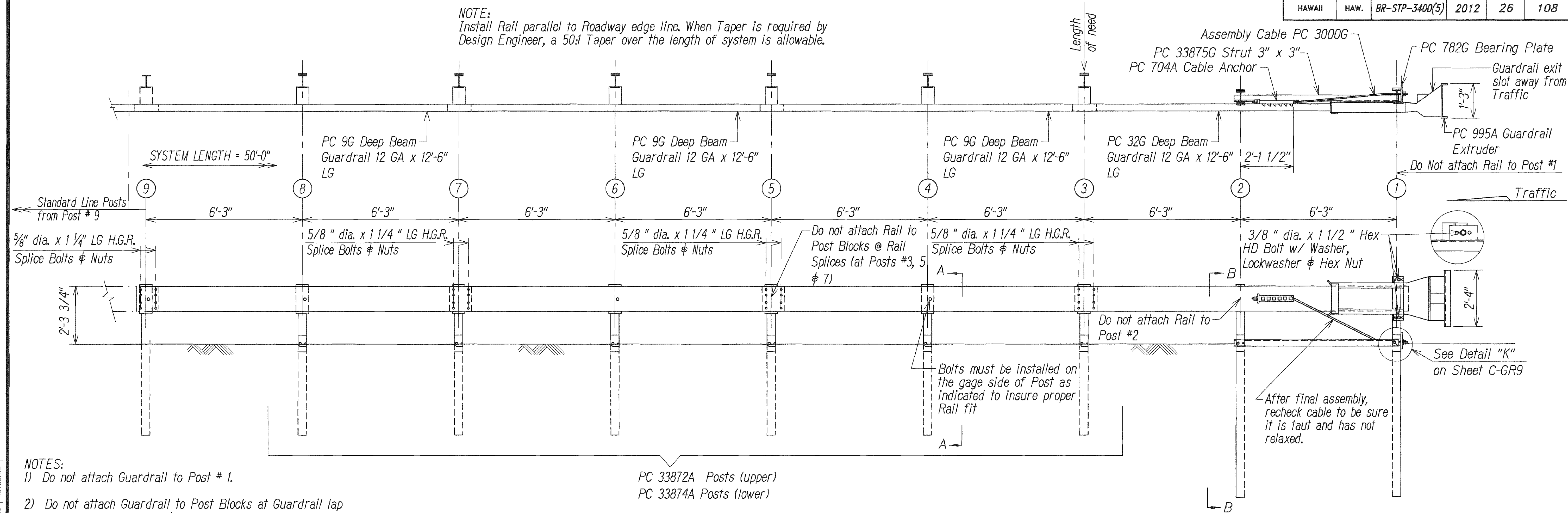
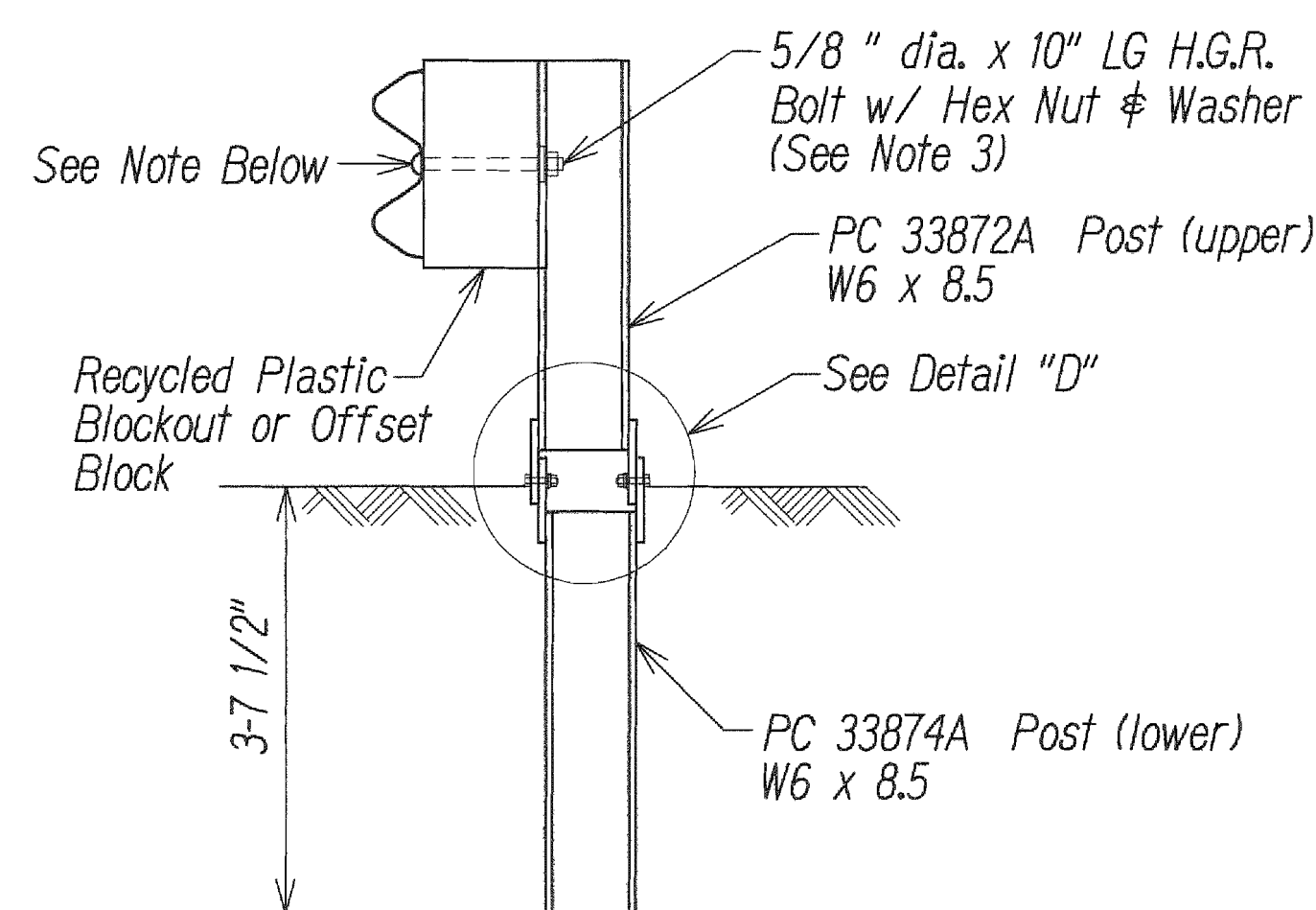


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-STP-3400(5)	2012	26	108

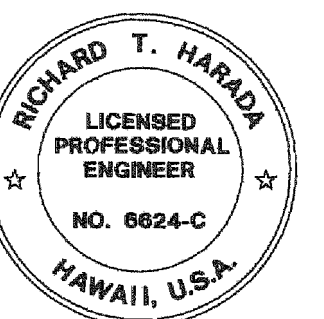
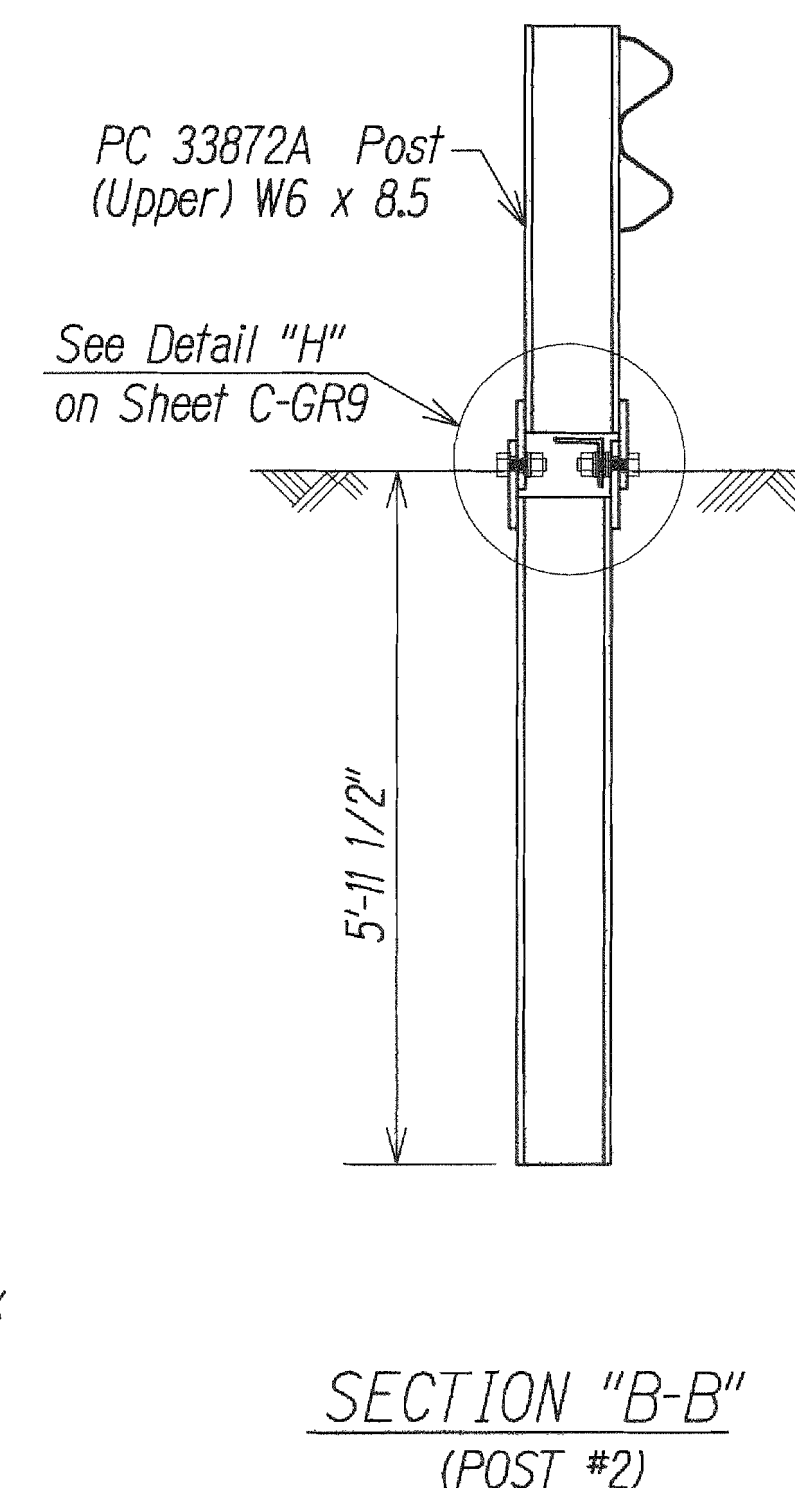
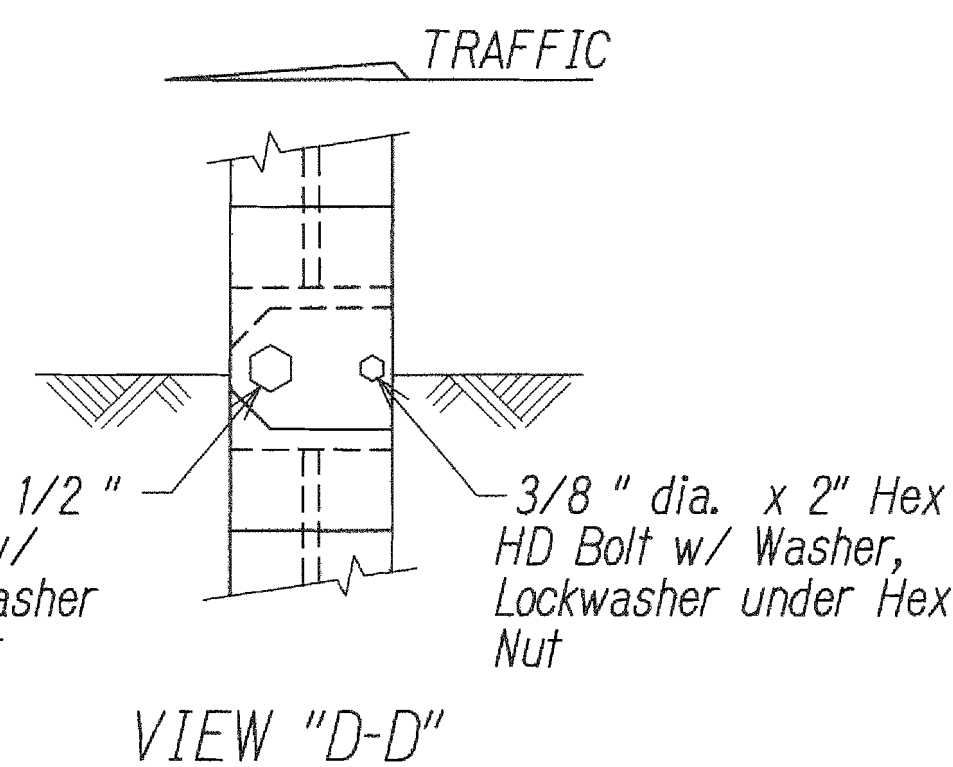
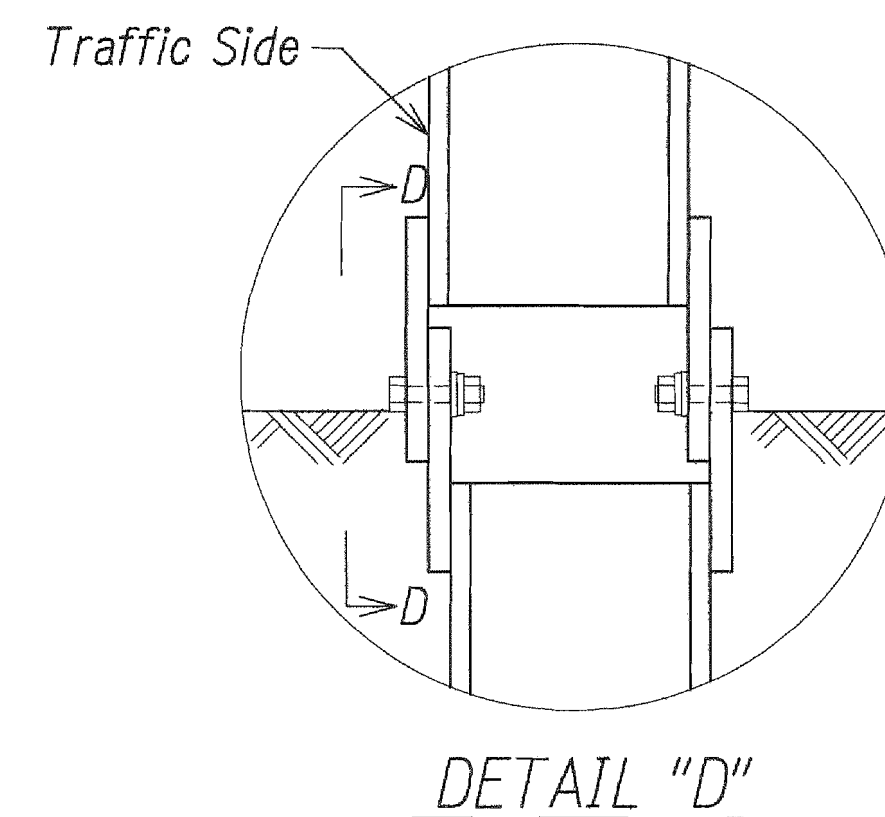


- NOTES:
- 1) Do not attach Guardrail to Post # 1.
 - 2) Do not attach Guardrail to Post Blocks at Guardrail lap splices (at Posts #3, 5 & 7).
 - 3) The 5/8" Flat Washer is used under the Nut, behind the Post only. No Washer is used at the Rail.
 - 4) Manufacturer suggests customer to provide reflectorization of terminal.



NOTE:
Section "A-A" is similar @ post #3, 5 & 7. except rail is not attached

SECTION "A-A"
(TYP @ POSTS #4, 6 & 8)



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APRIL 30, 2014
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ET-2000 PLUS

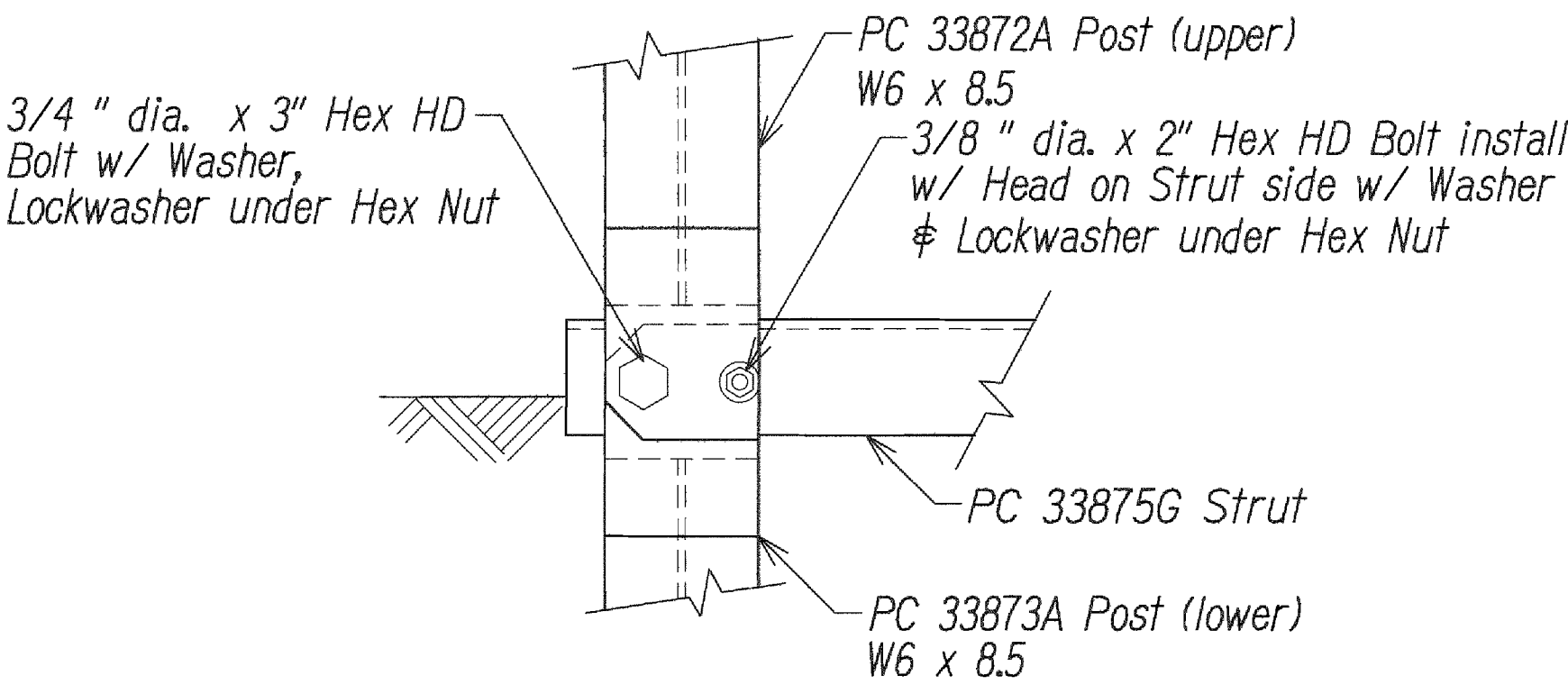
WAIIEHU BEACH ROAD
REHABILITATION OF IAO STREAM BRIDGE
Federal Aid Project No. BR-STP-3400(5)

Date: October 2012

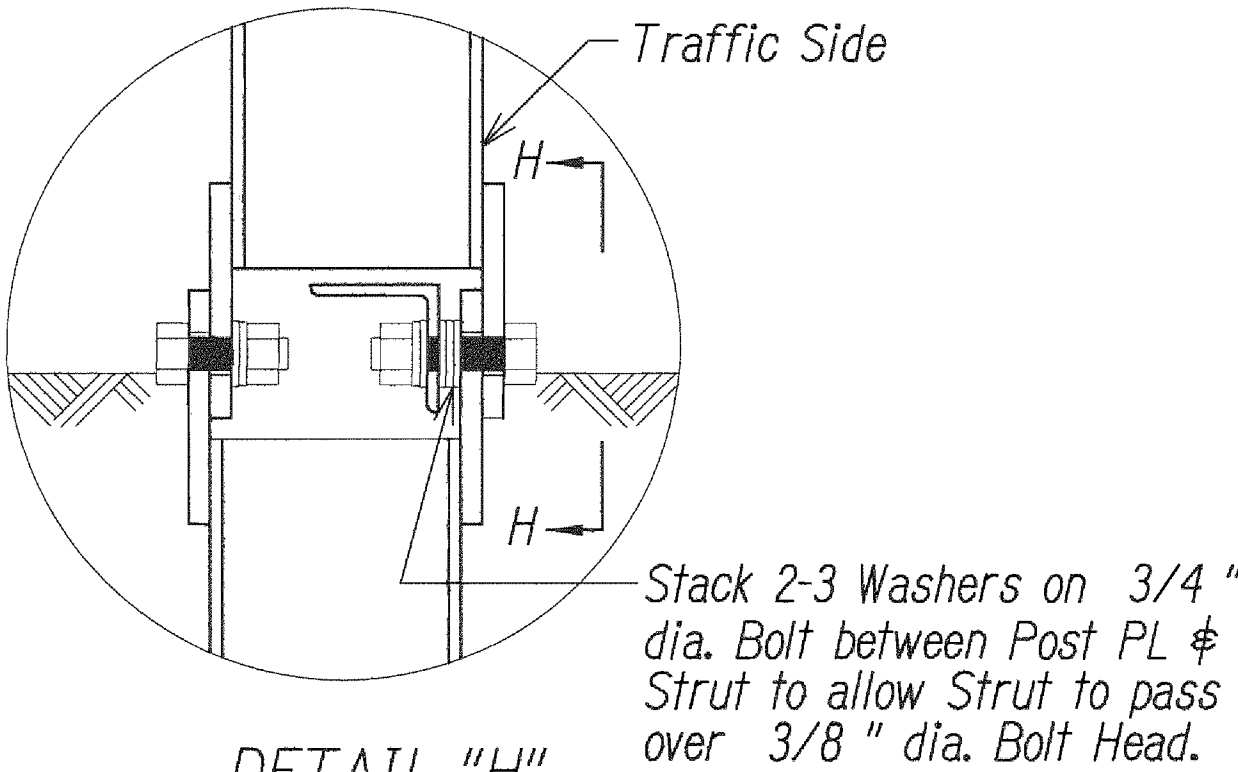
SHEET No. GR8 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-STP-3400(5)	2012	27	108

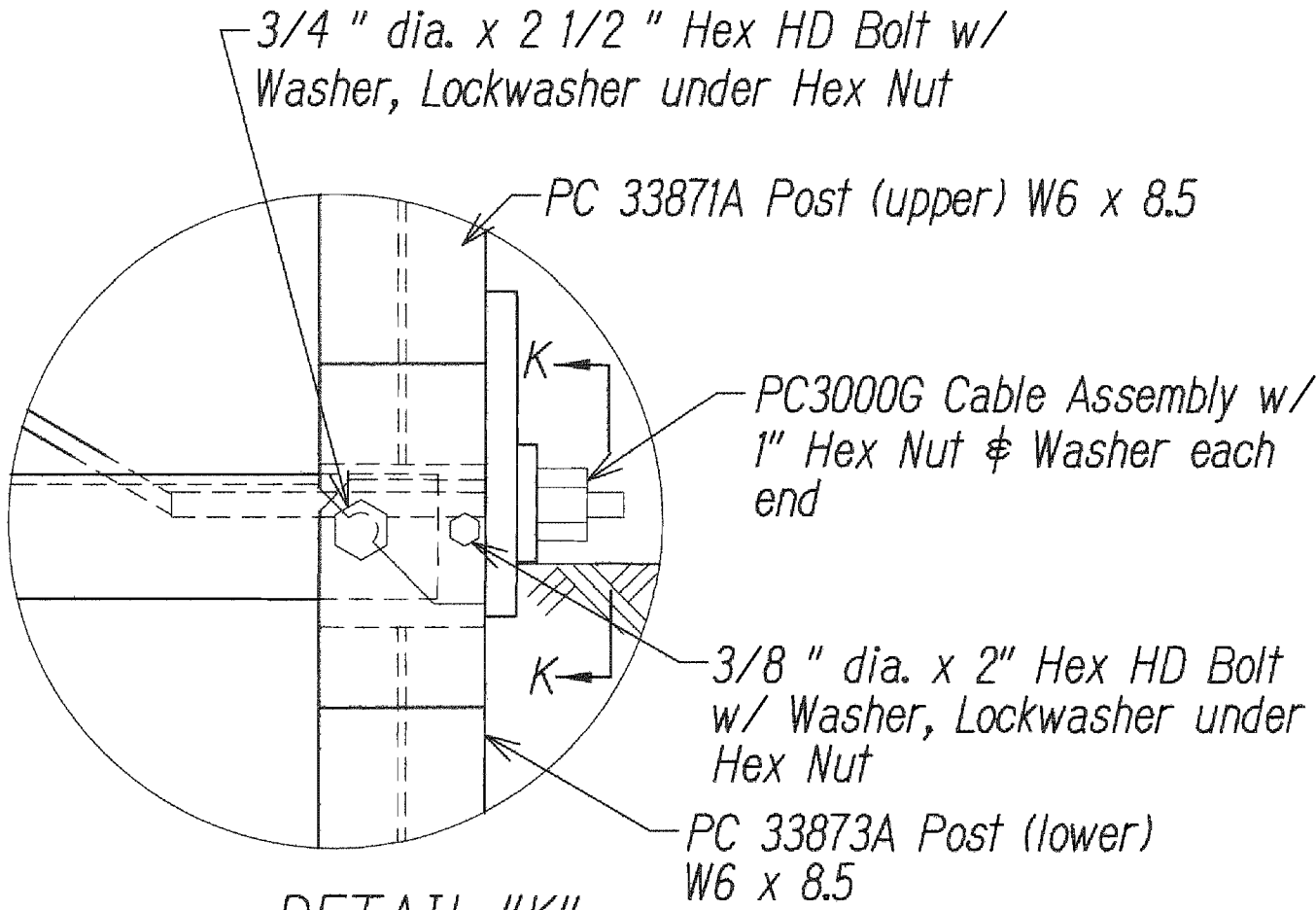
BILL OF MATERIAL		
PC	QTY	DESCRIPTION
9G	3	12 GA./12'6"/6'3"/S (Guardrail)
32G	1	12 GA./12'6"/6'3"/S ANC (Guardrail)
704A	1	Cable Anchor Bracket
782A	1	5/8" x 8" x 8" Bearing Plate
995A	1	ET-2000 Plus Extruder
3000G	1	Cable 3/4" x 6'6"
3300G	6	5/8" Washer
3340G	38	5/8" Hex Nuts
3360G	32	5/8" dia. x 1 1/4" Splice Bolt
3500G	6	5/8" dia. x 10" Post Bolt
3701G	19	3/4" Washer
3704G	16	3/4" Hex Nut
3717G	15	3/4" dia. x 2 1/2" Hex HD Bolt
3718G	1	3/4" dia. x 3" Hex HD Bolt
3900G	2	1" Washer
5326B	6	Recycled Plastic Blockout or Offset Block
4254G	18	3/8" Washer
4255G	2	3/8" Fender Washers
4258G	16	3/8" Lockwasher
4261G	2	3/8" dia. x 1 1/2" Hex HD Bolt
4699G	16	3/4" Lockwasher
6321G	16	3/8" dia. x 2" Hex HD Bolt
6405g	18	3/8" Hex Nut
33871A	1	ET2000 HBA Post #1 Top
33872A	7	ET2000 HBA Post #2-#8 Top
33873A	2	ET2000 HBA Post #1-#2 Bottom
33874A	6	ET2000 HBA Post #3-#8 Bottom
33875G	1	6'-6" Angle Strut ET HBA



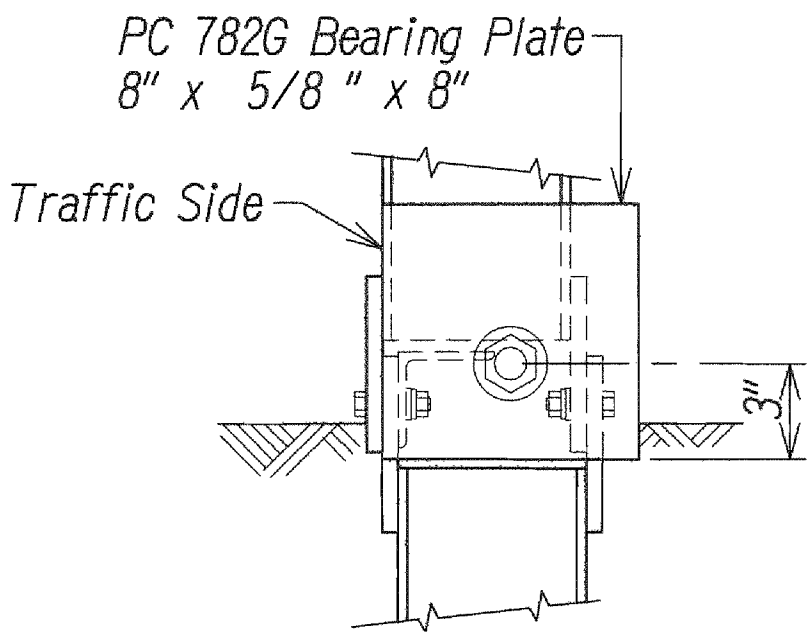
VIEW "H-H"



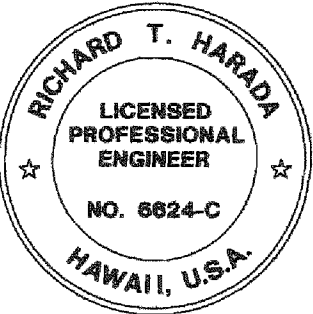
DETAIL "H"
(POST #2)



DETAIL "K"
(POST #1)



VIEW "K-K"



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WILSON OKAMOTO CORPORATION LIC. EXP. DATE APRIL 30, 2014

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ET-2000 PLUS

WAIIEHU BEACH ROAD
REHABILITATION OF IAO STREAM BRIDGE
Federal Aid Project No. BR-STP-3400(5)

Date: October 2012

SHEET No. GR9 OF 10 SHEETS

ORIGINAL PLAN	DATE
NOTE BOOK	
No.	

Path: L:\W0A\213-01 Iao\DWG\ File: C:\27 GR9 Plot date: Oct 12, 2012-02:57:16pm CAD User: glocka Xref Filename: DOTBORD | AUTODATE |

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	