

WSDOT General Missing Post Retrofit Bill of Materials				
Item No.	QTY.	Description	Material Specification	Comment
a1	1	40" [1016] Long W6x9 [W152x13.4] Cross-Beam	ASTM A992 Gr. 50	-
a2	2	108" [2591] Long W6x9 [W152x13.4] Post	ASTM A992 Gr. 50	-
a3	1	6"x10"x1/8" [152x254x3] Backup Plate	ASTM A36	Use ASTM A36 or any 50 ksi steel, which ever is more efficient
a4	3	6"x8"x22" [152x203x559] Blockout	SYP Grade No. 1 or better	PDB02
b1	4	2" [51] long x Dia. 5/8" [16] - 11 UNC Hex Head Bolt	Bolt ASTM A307 or Grade 2 Steel/ Nut ASTM A563 A	FBX16a
b2	8	5/8" [16] Dia. Narrow Flat Washer	ASTM F436	-
b3	2	26" [660] Long, Dia. 5/8" [16] - 11 UNC Guardrail Bolt and Nut	SAE J429 Grade 2/ASTM A307 Grade C/ASTM F1554 Grade 36	-
b4	2	5/8" [16] Dia. Plain Round Washer	ASTM F844 or Grade 2 Steel	FWC16a

Could this be ASTM 992 grade 50?

Could this also be ASTM A36 or

or grade 2 steel?

Just a regular hex nut will work here

a standard guardrail nut?

no material information on nut


	WSDOT General Missing Post Retrofit Bill of Materials		SHEET: 4 of 4
	Midwest Roadside Safety Facility		DATE: 3/27/2012
DWG. NAME: WAGT-GMP_R4	SCALE: None UNITS: in, [mm]	REV. BY: ERJ/SKR	DRAWN BY: JGP

Figure 72. Retrofit 3B – General Missing Post Bill of Materials