

Table CCM-4: Magnetic Field Comparison for Focus Area A: Base Line Design

XS-2 and XS-6 Configurations	Magnetic Fields for Annual Average Load Case		
	Maximum Level on ROW (mG)	North/West ROW Edge Level (mG)	South/East ROW Edge Level (mG)
Pre-Interstate (2015)	140.5	4.6	28.0
Post-NEEWS (2020) - Base-Line Case	146.9	7.2	18.4

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CL&P analyzed six alternate line designs for Focus Area A, with estimated incremental costs for this section ranging from approximately \$300,000 to approximately \$9,300,000. Designs that resulted in a more than 15% decrease in magnetic field levels on one edge of the ROW, as compared to the magnetic fields with the base-line H-frame design, caused increases on the other side, though the increased levels were still lower than pre-Project levels. On balance, the most effective design for reducing MF was the Delta configuration, which decreased fields by 28% on one side of the ROW and increased them by 12% on the other, as shown in Table CCM-5 below:

**Corrected Table CCM-5: Focus Area A
Base Line / BMP Comparison**

Focus Area A XS-2 Cross Section Configuration	Typical Structure Height (ft)	Magnetic Field for Annual Average Load Case					Cost	
		Maximum Level on ROW (mG)	North ROW Edge		South ROW Edge		Selection Amount (\$)	Project Increase (%)
			Level (mG)	Change (%)	Level (mG)	Change (%)		
Base Line Design H-Frame	85	146.9	7.2		18.4		\$10,320,459	-
Alt 2 – Delta Configuration	110	143.6	5.2	-28%	20.6	12%	\$13,040,737	1.3%

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Similarly, as compared to the base line design, the MF at the nearest corners of the nearest homes went down on one side of the ROW and up on the other, as shown in the following table: