

ELEVATION OF BEAM AT PIER





PLAN OF BEAM AT PIER





hole locations when required.

 $\frac{\partial utside}{R = 2'}$ BAR G1

Wusc									Sheet	No. S-16 of 23
		USER NAME = dabezicd	DESIGNED - DD	REVISED -			36" PPC I–BEAM DETAILS	F.A.S. RTE.	SECTION	COUNTY TOTAL SHEET SHEETS NO.
MAM	AECOM	PLOT SCALE = 0:1 ':' / IN.	DRAWN - DD	REVISED -	MCHENRY COUNTY Division of transportation		STRUCTURE NO. 056-3177	0031	06-00323-00-BR	MCHENRY 53 35
ШE		PLOT DATE = 5/28/2009	CHECKED - ATB	REVISED -					CONTRACT NO. 63218	
ш	I		DATE - 3/18/2009	REVISED -		SCALE:	SHEET NO. 3 OF 3 SHEETS STA. TO STA.	FED. RO	AD DIST. NO. 1 ILLINOIS FED.	AID PROJECT

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<u>NOTES</u>

Inserts for ${}^3_4'' \phi$ threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ${}^1_2''$ and the nominal cross-sectional area shall be 0.153 sq. in.

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). A minimum $2^{l_2''}$ \$\u03c6 lifting pin shall be used to engage the lifting loops during handling. Tilt G_6 bars when necessary to maintain $1^{l_2''}$ clearance. The top and bottom plates shall be AASHTO M270 Grade 50.

The bottom plates and studs shall be galvanized according to AASHTO M111. Threaded rods shall be ASTM F 1554 Grade 55.

The G_6 bar assembly shall have the threaded ends oversized to ensure no reduction in cross sectional area after threading. The coupler splice shall be capable of developing 125 percent of the yield strength of the reinforcement bar.



<u>G6 BAR ASSEMBLY</u>



BAR GA



BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36''	Ft.	843