

MODJ	ESKI and MASTERS Experience great bridges.

	USER NAME =	DESIGNED - JTH CHECKED - MJP	REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HLMR GUIDED EXPANSION		
MASTERS	PLOT SCALE =	DRAWN - PRC	REVISED	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. (		
	PLOT DATE = 2/1/2013	CHECKED - JTH	REVISED		SHEET NO. 36 OF 61		

Notes:

All steel for bearings shall conform to the requirements of AASHTO M270 Grade 50, unless otherwise noted.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The

corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554. Anchor bolts may be either cast in place or installed in holes drilled after the supported member is in place. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Total bearing height is estimated based on manufacturer data. Actual bearing height may differ from contract plans. The Contractor shall be responsible for verifying bearing heights and adjusting seat elevations, if required, prior to placing pier concrete. Total bearing height is taken at the  $\mathcal{Q}$  of bearing for bevelled top plates.

Bearing assemblies shall be designed and assembled to allow for replacement by jacking the superstructure.

 ${\sf Two}\ {\rm I}_{\rm B}$  in. adjusting shims shall be provided for each bearing in addition to all other plates

The anchor bolt sizes and grades shown constitute a calculated seismic structural fuse. Substitution of higher diameter and/or grade anchor bolts will not be allowed.

## BILL OF MATERIAL

Item	Unit	Total	
High Load Multi-Rotational Bearings, Guided Expansion, 550k	Each	12	
Anchor Bolts, 1"	Each	48	

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BEARING DETAILS	F.A.P. RTE	SECTION	ECTION		TOTAL SHEETS	SHEET NO.
01/_0033	42	1-1BR-2		CLINTON	159	105
014-0033	CONTRACT NO. 76479					
1 SHEETS	ILLINOIS FED. AID PROJECT					