



FIXED HLMR BEARING
(Pier 2)

GUIDED EXPANSION HLMR BEARING
(Pier 1)

BEARING LOADINGS

Location	Vert. Loads (kips)	Lat. Load (kips)
Pier 1	2,800	460
Pier 2	2,750	950

NOTES:

Anchor bolts shall be ASTM F1554 all-thread 1 1/2" ϕ x 18" (Pier 1) and 2" ϕ x 24" (Pier 2), Grade 105. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50W.

Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
High Load Multi-Rotational Bearing, Fixed - 2750K	Each	2
High Load Multi-Rotational Bearing, Guided Expansion - 2800K	Each	2
Anchor Bolts, 1 1/2"	Each	16
Anchor Bolts, 2"	Each	16

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HNTB

DESIGNED - PA, JDJ, BPD, CJW	REVISED -
DRAWN - GLD	REVISED -
CHECKED - RJK	REVISED -
DATE - 02/04/2011	REVISED -

**CITY OF ROCKFORD
MORGAN STREET BRIDGE**

**BEARING DETAILS - ARCH SPAN
STRUCTURE NO. 101-6108**

SCALE: SHEET NO. 64 OF 79 SHEETS STA. 47+00.74 TO STA. 52+63.50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5077	99-00493-00-BR	WINNEBAGO	253	190
CONTRACT NO. 85529				
<small>FED. ROAD DIST. NO. 2 [ILLINOIS] FED. AID PROJECT BRW-50916(S)</small>				