

REVISED

PLOT DATE = 12/20/2012

CHECKED

RMM

13264

32748

23966

762

1013

934

0.996

523

0.150

77

0.340

175

846

2494

4883

<u>8.2</u> 1.0

2.2

10.0

10.8

47.5

45.6

EXTERIOR GIRDER REACTION TABLE							
		Abut.	Pier				
RDCI	(k)	33.8	86.4				
R _{DC2}	(k)	0.02	12.99				
Row	(k)	0.04	29,44				
R4 + IM	(k)	62.4	122.7				
R Total	(k)	96.2	251.5				

646

984

-943

-1.3

-2.9

- 11.5

- 319

*Reaction also includes approach slab and concrete diaphragm.

- 1. Anchor bolts shall be ASTM F1554 all-thread (or an Engineerapproved 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.
- 2. Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.
- 3. Drilled and set anchor bolts shall be installed according to Article
- 4. Two ${}^{l}_{B}$ in. adjusting shims shall be provided for each bearing in addition to all other plates and placed as shown on bearing details.
- 5. The structural steel plates and pintles of the fixed bearings shall conform to requirements of AASHTO M270 Grade 50.



1³8" Ø Holes-1′′ deep in top ₽

for $1_4'' \phi$ pintles. Thread or

(F1554 Grade 105) with

washer under nut.

 $I_2'' \phi$ Holes in bottom \mathbb{P} .

⁵16" x 2'4" x 2'4'

press fit in bottom P.

NOTES:

- 1. ML and RL include the effects of centrifugal force and superelevation. 2. Exterior airder controls the desian.
- 3. Erect all Diaphragms DIS before the Stage II deck pour, finger-tightening bolts in slotted holes at the stage construction line. Bolts shall be fully tightened after Stage II deck pour.

€ 1" ¢ x 12" Anchor bolts

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Anchor Bolts, 1"	Each	24

STRUCTURAL STEEL DETAILS (2 OF 2)		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO 016-1000/001	372	2013-038B-R	СООК	821	275
31100101E NO. 010-10001001		CONTRACT NO. 60J1			
SHEET NO. SA27 OF SA40 SHEETS	ILLINOIS FED. AID PROJECT				