



SECTION A-A
Dimensions at right angles to abutment, except as shown.

CORBEL PLAN AT ABUTMENT
(North Abutment shown, South Abutment similar)

- Notes for Fixed Bearings:**
- Anchor bolts shall be ASTM F1554 all-thread (or an engineer approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy = 36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 - Anchor bolts at fixed bearings 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.
 - 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.

FILL PLATES

Girder	S. Abut.	N. Abut.
4		1/2"
6	1/8"	
7	1/4"	
8	1/8"	

2" x 9" x 1'-8" AASHTO M270 Grade 50

Shim plate & fill plate, if required

1/8" elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.

1" diameter anchor bolts (F1554 Gr. 36) with 2 1/4" x 2 1/4" x 5/16" washer under nut. 1 3/8" x 2" slotted hole in flange. 1/2" diameter holes in bearing plate.

SECTION A-A

ELEVATION AT ABUTMENT

FIXED BEARING AT ABUTMENTS

TABLE 1

	"X"	"Y"
N. Abut.	3'-3 1/8"	3'-10 1/8"
S. Abut.	3'-1 1/4"	3'-10 1/4"

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Anchor Bolts, 1"	Each	32

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - CME	REVISED -
PLOT SCALE =	CHECKED - MDM	REVISED -
PLOT DATE = 5/5/2011	DRAWN - LCP	REVISED -
	CHECKED - PDF	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS - 3
STRUCTURE NO. 016-1196
SHEET NO. 16 OF 40 SHEETS

F.A.I. RTE. 57	SECTION 1313.1B-1	COUNTY COOK	TOTAL SHEETS 162	SHEET NO. 77
CONTRACT NO. 60K14				ILLINOIS FED. AID PROJECT

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