



ESTIMATED JOINT MOVEMENTS FROM 50°F
(Along alignment of bearings)

Pier 6 S	0.6" (+)
Pier 6 N	1.6" (+)
Pier 10 S	1.2" (+)
Pier 10 N	1.5" (+)

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

Notes:

- Swivel Modular Expansion Joint shall be a pre-approved system as listed in the Special Provision.
- Joint shall be fabricated and installed according to the manufacturer's recommendations and as approved by the Engineer.
- Joint shall be fabricated to conform to the roadway cross-slope.
- All structural steel elements including the embedded and sliding plates shall be fabricated with AASHTO M270, Grade 50 steel, and galvanized per Article 520.03 of Standard Specs.
- See Framing Plans for beam locations.
- For end of deck details, see Sheet S-21. Required adjustments to reinforcement bars due to the actual joint used shall be made at no additional cost to the State.
- Parapet plates and anchorage studs are included in the cost of Modular Expansion Joint - Swivel 6".
- The joint configuration depicted is conceptual only. Actual dimensions and details may differ based on the manufacturer.
- The joint opening and deck dimensions detailed on the superstructure are based on the distance between the top of the edge beams shown on this sheet. The opening and deck dimensions shall be modified according to the manufacturer's recommendations to accommodate the configuration of the actual joint used. Required modifications shall be made at no additional cost to the State.
- See Sheets S-38 and S-39 for alignment of Pier 6 bearings and For Information Only sheets for alignment of Pier 10 bearings.
- Modular expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.

BILL OF MATERIAL

Item	Unit	Total
Modular Expansion Joint - Swivel 6"	Foot	50

2/26/15 PM

12/7/2012

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USER NAME =	DESIGNED - IYL	REVISIONS
PLOT SCALE =	CHECKED - BAK	REVISIONS
PLOT DATE = 11/08/2012	DRAWN - MTR	REVISIONS
	CHECKED - IYL	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODULAR EXPANSION JOINT
STRUCTURE NO. 016-2437

SHEET NO. S-32 OF S-83 SHEETS

F.A.I. RTE. 94	SECTION 2012-060-BR	COUNTY COOK	TOTAL SHEETS 285	SHEET NO. 195
CONTRACT NO. 60V61				
ILLINOIS FED. AID PROJECT				