

22'-84"

Parapet

6'-514"

## CROSS SECTION

6 Spa. at 6'-6" = 39'-0"

P.G.L. Ramp 2 and  $3 \longrightarrow$ 

24'-0"

Support Box

(Typ. at all bays)

(Looking Upstation - Ramp 2) (Looking Downstation - Ramp 3)

## GENERAL NOTES

6"

- 1. The expansion joint device shall be a prefabricated modular assembly with multiple support bars and separator beams, providing a continuous seal across the deck.
- 2. All splices of center beams and edge beams shall be full penetration welds. Upturn splices may be partial penetration welds.
- 3. Joint shall be fabricated according to the manufacturer's recommendations and as described in the GBSP No. 18 for Modular Expansion Joint and as approved by the Engineer.
- 4. Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the concrete blockout is cast at an ambient temperature other than 50° F.
- 5. Joint shall be fabricated to conform to the roadway profile and cross
- 6. The cost of furnishing all material for the sliding plate assemblies at the parapets and median barrier shall be included with Furnishing Modular Expansion Joints. The sliding plate assembly shall be galvanized.
- Countersunk bolts and concrete inserts shall be Hot-Dipped Galvanized according to AASHTO M232.
- 8. Barrier plates to be AASHTO M270, Grade 36 and to be Hot-Dipped Galvanized according to AASHTO M111 after fabrication.
- 9. All anchor studs are furnished under separate contract.
- 10. Modular expansion joint shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.
- 11. The modular expansion joint shall be either the Maurer Swivel System by the D.S. Brown Company or the WABO X-Cel System by the Watson Bowman Acme Corporation.
- 12. The modular expansion join shall be designed in accordance with the latest AASHTO Specifications fo HS20-44 truck loading with impact.

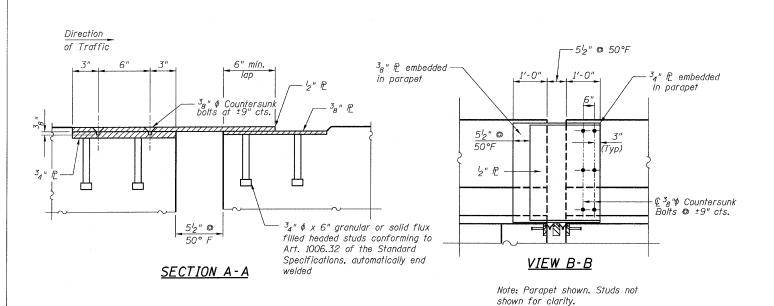
<sup>3</sup>₄"¢ x 6" Studs

- Sliding Plates

## BILLS OF MATERIAL

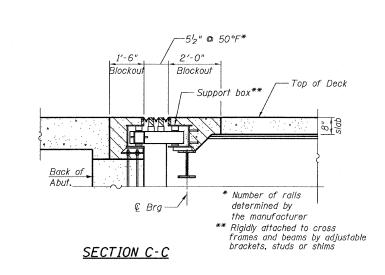
LOCATION	ITEM	UNIT	TOTAL
Ramp 2	Modular Expansion Joint-Swivel 6" (Erect Only)	Foot	46.0
Ramp 3	Modular Expansion Joint-Swivel 6" (Erect Only)	Foot	46.0

B◀₁



Parapei

See Detail 1-



Edge beam - Shop miter & weld В◀ Fascia beam-

DETAIL 1

RAMPS 2 & 3 MODULAR EXPANSION JOINT DETAILS AT ABUTMENT STRUCTURE NO. 016-0724

TYLININTERNATIONA

	DESIGNED	-	MAU	REVISIONS						
	CHECKED	-	AMD,	NAME	DATE					
۱L	DRAWN	-	MRB							
	CHECKED		AMD,							
	DATE		03/25/2011							

SHEET NO. 82	F.A.I RTE. 55
239 SHEETS	

>	F.A.I RTE.	SECTION								COUNTY	TOTAL SHEETS		SHEET NO.
	55 0711.2R & 1011.1BR									COOK	741		406
;								C	ONTRACT	NO	. 60	999	
	FED. R	ROAD	DIST.	NO. 1	ILL	INOIS	FED.	ΑI	D	PROJECT			