

	RO		N COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 17
	A F.	A. I	соок	870	627	56 SHEETS
4	FED.	ROAD DIST. NO. 1	ILLINOIS FED. AID	PROJECT-	. 62108	
Ì	Shear Studs on		Top of			
	Girder I	$\mathbb{N}$	/ Deck			
	±		<b>7</b>	Modular Shear S		
	Block-oun			See Not	e "A"	
	1		- 19 - 1 			
	¢		Girder	<b>-</b> .		
	<u>Place_Non-Shrink_Grout</u> between underside of	_ <u> </u>				
-	Girder Flange and Block prior to placing concret		Note "A":	ıfacturer	shall d	esign joint
	Blockout, Cost included Furnishing Modular Expo			d location		s the girder's
	Joint-160 mm.	<u>DETAI</u>	<u> </u>			
NC 1.	tes: Modular Expansion Joint sha			dance wit	h the l	atest
	AASHTO Specifications for					
2.	The expansion joint device shall be prefabricated modular assembly with multiple support bars and separator beams, providing a continuous seal across the deck.					
З.	Joint shall be fabricated and installed according to the manufacturer's recommendations and as shown in Special Provisions for Modular Expansion Joint and as approved by the Engineer.					
4.	Joint shall be fabricated to conform to the roadway profile and cross-slope.					
5.	All exposed structural steel elements such as separator and edge					
	beams support bars and cover plate shall be fabricated with AASHTO M270M Grade 345 Steel unless specified otherwise by the manufacturer.					
5.	The Cost of Furnishing the Barrier Plates, the Countersunk bolts, and the Stud Anchors, and Installing of the sliding plate assembly at the parapets, shall be included with Furnishing Modular Expansion Joint - 160mm. The Sliding Plate Assembly shall be galvanized.					
7.	Modular expansion joint shall be shipped in one piece unless noted.					
8.	No aluminum components shall be allowed.					
9.	All splices of center beams and edge beams shall be full penetration welds (Upturn splices may be partial penetration welds).					
0.	See Deck Cross Section & Details drawing for section thru joint.					
11.	All dimension are in millimeters (mm) except as noted.					
2.	Countersunk bolts and Concrete inserts to be Hot-Dipped Galvanized according to AASHTO M232.					
3.	Stud anchors shall be according to Article 1006.32 of the Standard Specifications.					
4.	Cost of all stud anchors shall be included with Furnishing Modular Expansion Joint-160 mm (unless noted otherwise).					
5.	Joint openings shall be adjusted according to Article 503,10(c) of the Standard Specifications when the blockout is cast at an ambient temperature other than 10 $^\circ\mathrm{C}$ .					
6.	For Approved list of Suppliers, see Special Provisions. The joint shall provide the following movement:					
	<u>Location</u> West Abutment	Longitud	<u>dinal Moveme</u> 130	nt (mm)	Size (m 160	<u>m)</u>
			S DEPARTI EAST BOUN			SPORTATION
		MODU	LAR EXPA	NSION	JOIN	DETAILS
	750141	F.A.I.	94 SECTION		& 0312	
ИA	TERIAL	STA.	C 20+509.000	OOK COUN	TY	
	Unit Total	DATE JUL	18, 2005			
slor	m 14.7	SCALE	-			