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					F.A.I. RTE.	SECTI	ON	COUNTY	TOTAL SHEETS	SHEET NO.			
					70	60-10K-1,6			420	268			
	NOTEC				STA.	AD DIST NO		STA.					
!	VOTES	<u>:</u>			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 76709								
1	 All steel for floating bearings shall conform to the requirements of AASHTO M270 Grade 50, unless otherwise specified. Anchor bolts shall be ASTM F1554 allthread (or an Engineer- 												
2													
	approved alternate material) Grade 55 of the diameters specified.												
	The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554. Anchors bolts at fixed bearings may be either cast-in-place or installed in holes drilled after the supporting member is in place. Anchor bolts for												
	expansion bearings shall be placed in holes drilled in the concrete through holes in the bottom bearing plate after the members are in place.												
		d set ancho andard Spec			installe	d accora	ling to	Article	521.06				
		ing shim pla			iced und	ler masoi	nry pla	tes as r	equired				
		erection. Se					-4		4				
2		imensions si Provision r							t. See				
5	5. İnform	nation not si	hown re	garding	the size	of the	bearing	, top pla		on			
		se assemblie ne following			rmined t	by the mo	anufaci	turer and	1 shall				
		-											
		ertical Load ateral Load											
		otation from											
	M	ovement Cap	oacities:	See	Schedu	le							
2 2 1 1	7. Certific required with sh 3. The be The Co. Engined 0. For De 0. Work 1. For lo 2. Contro	iding coeffic cation of cc ments in ac op drawing parings shal ntractor sha er. ssign Dead this sheet v cation of bu actor shall quired for a	ompliance cordanc submitte l be blo all subm Load an vith sht. earing fy adjust b	e to pro e with A al. cked dur it the E. od Live L . S-51. ype, see oridge se	of load ASHTO ring the rection r .oads, s Sht. S- eat eleva	and slidi 18.3.5.3 erection Procedur ee girder -37. tions and	ing coe shall of str e for r mome	fficient be provid cuctural a approval ent tables	led steel. by the 5.	ion			
s		E	BILL	OF MA	TERI	IAL -	BEA	RINGS	S				
'pe			[tem					Unit	Total				
M F15		ligh Load M						Each	13				
M F15		loating Bea						Each	8				
M F15	ŀ	loating Bea						Each	6				
	Floating Bearing, Non-Guided Expansion, 100K							Each	6				
	-					xpansion, 150K Each			6	_			
	F	Floating Bea	ring, No	on-Guideo	d Expan	sion, 20	OK	Each	4				
			Maso	nry Plate	9				-				
Wb	Tb	Sb*	Rb	Ebl*	Ebt	Da	La	Ha	Wa				
in	in	in	in	in	in	in	in	in	in				
16.63	1	5.625	8.063	2.688	2.188	1.25	17	1.75	2.75				
2.25	1	4.375	7.75	1.75	1.75	1	14	1.5	2.25				

Sb' Ebl' 4.813" 2.188" 2.063" 5.313"

13.13

14.0

14.75

16.5

1.25

5.25

5.625

6.5

1.25

1.5

2

T

Dimensions Sb' and Ebl' required due to backwall interference at Abutments. See Masonry P & Girder Flange Corner Clip sketches for location of Sb' and Ebl'.

4.8125 7.75 1.75 1.75

1.75

1.75

1.75

1.75

1.75

1.75

7.75

10

13

1.1.1	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION						
	NAME	DATE	ILLINUIS DEPARTMENT OF TRANSPORTATION						
			IL ROUT	E 162 OVER I-55/7	O IN TROY				
			F.A.I ROUT	E 70 SECTION 60-10	OK−1, 60-10HB				
			MADISO	N COUNTY STATION	499+48.35				
OF S-68			STRUCTURE NO. 060-0338						
			HIGH LO	AD MULTI-ROTATION	BEARINGS				
porated			- FIXED AND NON-GUIDED						
Construction Managers uite 1650				DESIGNED: BTO	DRAWN: BTO				
/553-0661			DATE: 03/06	CHECKED: JAN	CHECKED: JAN				

14

14

14

14

1

1

1

1.5 2.25

2.25

2.25

2.25

1.5

1.5

1.5