STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTRACT 98939
U.S. RTE. 60 & U.S. RTE. 62
(138D-BR) P-1
ALEXANDER COUNTY
SHEET 39 OF 85 SHEETS

MISSOURI APPROACH - PLATE GIRDER BEARING REPAIR SCHEDULE

SPAN NUMBER	PIER NUMBER	GIRDER LOCATION UPSTREAM	DOWNSTREAM	UPSTREAM-INSIDE	DOWNSTREAM-INSIDE	REMARKS
1S	H TO 1S	Base plate has 1/8" loss of section at top on the outside and the inside and outside anchor bolts are missing at Pier H. See Expansion Bearing Replacement Detail, Sheet 32	Inside and outside anchor bolts are missing at Pier H. See Expansion Bearing Replacement Detail, Sheet 32	Inside and outside anchor bolts are missing at Pier H. See Expansion Bearing Replacement Detail, Sheet 32	Inside and outside anchor bolts are missing at Pier H. See Expansion Bearing Replacement Detail, Sheet 32	
					Sole and base plates have 1/8" pack rust in between them on the inside at Pier 1S. See Note "1," This Sheet.	
2S	1S TO 2S		Inside and outside anchor bolts are missing at Pier 1S. See Expansion Bearing Replacement Detail, Sheet 32			
3S	2S TO 3S	Sole and base plates have pack rust in between them on the inside and the inside and outside anchor bolts have loss of section at Pier 2S. See Exp. Bearing Replacement Detail, Sheet 32	Sole and base plates have pack rust in between them on the outside at Pier 3S. See Note "1," This Sheet.	Sole and base plates have pack rust in between them on the outside at Pier 3S. See Note "1," This Sheet.		
4S	3S TO 4S	Inside anchor bolt is missing and the outside anchor bolt has loss of section at Pier 3S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have pack rust in between them on the outside at Pier 4S. See Note "1," This Sheet.	Sole and base plates have 3/8" pack rust in between them on the inside and the inside and outside anchor bolts have loss of section at Pier 3S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have pack rust in between them on the outside and the inside and outside anchor bolts are missing at Pier 3S. See Expansion Bearing Replacement Detail, Sheet 32	
			Sole and base plates have pack rust in between them on the outside, the inside anchor bolt is missing and the outside anchor bolt has loss of section at Pier 3S. See Expansion Bearing Replacement Detail, Sheet 32			
				Sole and base plates have pack rust in between them on the inside at Pier 4S. See Note "1," This Sheet.		
5S	4S TO 5S	Inside anchor bolt is missing and the outside anchor bolt has loss of section at Pier 4S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have 3/8" pack rust in between them on the outside at Pier 4S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have pack rust in between them on the inside and the outside anchor bolt has loss of section at Pier 4S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have pack rust in between them on the outside at Pier 4S. See Expansion Brg. Replacement Detail, Sheet 32	
6S	5S TO 6S	Sole and base plates have 1/8" pack rust in between them on the inside and 1/16" on the outside and the inside and outside anchor bolts have 50% loss of section at Pier 5S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have 1/8" pack rust in between them on the inside and outside at Pier 6S. See Note "1," This Sheet.	Sole and base plates have 3/16" pack rust in between them on the inside and 1/8" on the outside and the inside anchor bolt is missing at Pier 5S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have 3/16" pack rust in between them on the inside and 1/8" on the outside and the outside and inside anchor bolts are missing at Pier 5S. See Exp. Brg. Replacement Detail, Sheet 32	
			Sole and base plates have 3/16" pack rust in between them on the inside and outside and 1/8" on the outside and the inside anchor bolt is missing at Pier 5S. See Expansion Bearing Replacement Detail, Sheet 32			
		Sole and base plates have 1/16" pack rust in between them on the inside and 1/8" on the outside at Pier 6S. See Note "1," This Sheet.		Sole and base plates have light pack rust in between them on the inside and outside at Pier 6S. See Note "1," This Sheet.	Sole and base plates have 1/8" pack rust in between them on the inside and outside at Pier 6S. See Note "1," This Sheet.	
					Outside anchor bolt is missing at Pier 6S. For repair, see detail (8/31)	
7S	6S TO 7S	Inside anchor bolt has 75% loss of section and the outside anchor bolt has 50% loss of section at Pier 6S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have 1/4" pack rust in between them on the inside, the inside anchor bolt is missing and the outside anchor bolt has 50% loss of section at Pier 6S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have 1/4" pack rust in between them on the inside and the inside and outside anchor bolts are missing at Pier 6S. See Expansion Bearing Replacement Detail, Sheet 32	Base plate and the two sole plates have pack rust in between them on the outside at Pier 7S. See Note "1," This Sheet.	
8S	7S TO 8S	Inside and outside anchor bolts have loss of section at Pier 7S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have pack rust in between them on the inside, inside anchor bolt is missing and the outside anchor bolt has loss of section at Pier 7S. See Exp. Bearing Replacement Detail, Sheet 32	The two sole plates have 3/8" pack rust in between them on the inside, the sole and base plates have pack rust in between them on the outside and the inside and outside anchor bolts are missing at Pier 7S. See Exp. Brg. Replacement Detail, Sheet 32	The two sole plates have pack rust in between them on the inside, the sole and base plates have 3/8" pack rust in between them on the outside and the inside and outside anchor bolts are missing at Pier 7S. See Expansion Bearing Replacement Detail, Sheet 32	

SPAN NUMBER	PIER NUMBER	GIRDER LOCATION UPSTREAM	DOWNSTREAM	UPSTREAM-INSIDE	DOWNSTREAM-INSIDE	REMARKS
9S	8S TO 9S	Sole and base plates have light pack rust in between them on the inside and 1/8" on the outside at Pier 9S. See Note "1," This Sheet.	Sole and base plates have light pack rust in between them on the inside and outside at Pier 9S. See Note "1," This Sheet.	Sole and base plates have light pack rust in between them on the inside and outside at Pier 9S. See Note "1," This Sheet.	Sole and base plates have 1/16" pack rust in between them on the inside and 1/8" on the outside at Pier 9S. See Note "1," This Sheet.	
		Sole and base plates have 1/4" pack rust in between them on the inside and light on the outside, the inside anchor bolt has 3/4 loss of section and the outside anchor bolt has 2/3 loss of section at Pier 8S. See Exp. Bearing Replacement Detail, Sheet 32	Sole and base plates have 1/8" pack rust in between them on the inside and outside, the inside anchor bolt has 3/4 loss of section and the outside anchor bolt has 1/2 loss of section at Pier 8S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have 1/8" max. pack rust in between them on the inside and outside and the outside anchor bolt has 1/3 loss of section at Pier 8S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have 1/16" pack rust in between them on the inside and 1/8" on the outside at Pier 8S. See Expansion Bearing Replacement Detail, Sheet 32	
10S	9S TO 10S	Sole and base plates have light pack rust in between them on the inside and 1/8" on the outside at Pier 10S. See Note "1," This Sheet.	Sole and base plates have 1/8" pack rust in between them on the inside and outside at Pier 10S. See Note "1," This Sheet.	Sole and base plates have 1/4" max. pack rust in between them on the inside and outside at Pier 9S. See Exp. Brg. Replacement Detail, Sh. 32	Sole and base plates have 1/8" pack rust in between them on the inside and light on the outside at Pier 10S. See Note "1," This Sheet.	
		Sole and base plates have 1/4" max. pack rust in between them on the inside and outside, the inside anchor bolt has 75% + loss of section the outside anchor bolt has 50%+ loss of section at Pier 9S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have light pack rust in between them on the inside and outside and the outside anchor bolt has 75% loss of section at Pier 9S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have 1/8" pack rust in between them on the inside and outside at Pier 10S. See Note "1," This Sheet.	Sole and base plates have 1/8" max. pack rust in between them on the inside and outside at Pier 9S. See Expansion Bearing Replacement Detail, Sheet 32	
				Outside anchor bolt has loss of section at Pier 10S. See detail (8/31) for repair.		
			Outside anchor bolt has 3/16 loss of section at Pier 10S. For repair, see detail (7/31)	Inside anchor bolt has loss of section at Pier 10S. For repair, see detail (8/31)		
11S	10S TO 11S	Inside anchor bolt is missing and the outside anchor bolt has loss of section at Pier 10S. See Exp. Brg. Replacement Detail, Sheet 32	Sole and base plates have heavy pack rust in between them on the outside at Pier 10S. See Exp. Brg. Replacement Detail, Sheet 32		Sole and base plates have pack rust in between them on the outside at Pier 10S. See Exp. Bearing Replacement Detail, Sheet 32	
12S	11S TO 12S	Outside anchor bolt has 50% loss of section at Pier 11S. See Exp. Bearing Replacement Detail, Sheet 32				
13S	12S TO S. ABUT.	Sole and base plates have 1/8" pack rust in between them on the inside and 1/16" on the outside at Pier 12S. See Expansion Bearing Replacement Detail, Sheet 32	Sole and base plates have 1/8" pack rust in between them on the inside and outside at Pier 12S. See Exp. Bearing Replacement Detail, Sheet 32	Sole and base plates have 1/8" pack rust in between them on the outside at Pier 12S. See Expansion Brg. Replacement Detail, Sheet 32	Sole and base plates have 1/4" pack rust in between them on the inside and 1/8" on the outside at Pier 12S. See Expansion Bearing Replacement Detail, Sheet 32	
		Sole and base plates have 1/8" pack rust in between them on the inside and outside at the South Abutment. See Note "1," This Sheet.	Sole and base plates have light pack rust in between them on the inside and outside at the South Abutment. See Note "1," This Sheet.	Sole and base plates have 1/8" pack rust in between them on the inside and outside at the South Abutment. See Note "1," This Sheet.	Sole and base plates have 1/16" pack rust in between them on the inside and 1/8" on the outside at the South Abutment. See Note "1," This Sheet.	
		Inside anchor bolt is missing at the South Abutment. For repair, see detail (8/31)	Inside anchor bolt has been sheared off but remains connected to the girder at the South Abut. (8/31) For repair, see detail	Inside anchor bolt has been sheared off but remains connected to the girder at the South Abut. (8/31) For repair, see detail	Inside anchor bolt has been sheared off but remains connected to the girder at the South Abut. (8/31) For repair, see detail	
		Outside anchor bolt is missing at the South Abutment. For repair, see detail (7/31)	Outside anchor bolt has been sheared off but remains connected to the girder at the South Abut. (7/31) For repair, see detail	Outside anchor bolt has been sheared off but remains connected to the girder at the South Abut. (8/31) For repair, see detail	Outside anchor bolt has been sheared off but remains connected to the girder at the South Abut. (8/31) For repair, see detail	
		The girder has moved to the east at the South Abutment. See Note "2," This Sheet.	The girder has moved to the east at the South Abutment. See Note "2," This Sheet.	The girder has moved to the east at the South Abutment. See Note "2," This Sheet.	The girder has moved to the east at the South Abutment. See Note "2," This Sheet.	

DESIGNED [illegible]
CHECKED R.F.C.
DRAWN [illegible]
CHECKED R.F.C. - F.S.

NOTES:
1. Clean and remove all rust, foreign material and old paint down to the bare metal. Cost incidental to "Painting and Cleaning."
2. Re-position existing base plates, replace anchor bolts as per Inside and Outside Anchor Bolt Replacement Details specified in the Table.

BRIDGE NO. 1
STRUCTURE 002-0005
FOR INFORMATION ONLY

MISSOURI APPROACH [illegible]NS
BEARING REPAIR SCHEDULE
F.A.U.S. Rte. 9811 (U.S. 60 & 62)
S.B.I. 150 SECTION 138 D-BR
ALEXANDER CO., IL. MISSISSIPPI CO., MO.
STATION 28+13.08

BRIGHTON ENGINEERING COMPANY CONSULTING ENGINEERS SCHAUMBURG, ILLINOIS