

**STEEL EXTENSION TYPE AND H
SCHEDULE S/N 016-0137**

S.B.

PIER NO.	BEAM NO.										H	
	11	10	9	8	7	6	5	4	3	2		1
8	C	B	B	B	B	B	B	B	B	B	A	10 ³ / ₁₆
10	C	B	B	B	B	B	B	B	B	B	A	10 ³ / ₁₆
		32	31	30	29	28	27	26	25	24	23	
12	C	B	B	B	B	B	B	B	B	B	A	10 ³ / ₁₆
14	C	B	B	B	B	B	B	B	B	B	A	10 ³ / ₁₆
		52	51	50	49	48	47	46	45	44	43	
16	F	F	F	F	F	F	F	F	F	F	D	10 ³ / ₄
		73	72	71	70	69	68	67	66	65	64	63
20	G	H	H	H	H	G	G	G	G	G	F	9 ⁵ / ₁₆
22	G	H	H	H	H	G	G	G	G	G	F	9 ⁵ / ₁₆

N.B.

PIER NO.	BEAM NO.											H
	12	13	14	15	16	17	18	19	20	21	22	
8	H	H	H	H	H	G	G	G	G	G	F	10 ³ / ₁₆
10	B	B	B	B	B	B	B	B	B	B	A	10 ³ / ₁₆
			33	34	35	36	37	38	39	40	41	42
12	B	B	B	B	B	C	C	C	C	C	A	10 ³ / ₁₆
14	B	B	B	B	B	C	C	C	C	C	A	10 ³ / ₁₆
			53	54	55	56	57	58	59	60	61	62
16	F	F	F	F	F	F	F	F	F	F	D	9 ⁵ / ₁₆
			74	75	76	77	78	79	80	81	82	83
20	H	H	H	H	H	H	H	H	H	H	F	9 ⁵ / ₁₆
22	H	H	H	H	H	G	G	G	G	G	F	9 ⁵ / ₁₆

SHIM P. SCHEDULE S/N 016-0137

S.B.

PIER NO.	BEAM NO.											
	11	10	9	8	7	6	5	4	3	2	1	
8	-	-	-	-	1/2	1/2	-	-	-	-	-	
10	-	-	-	-	9/16	9/16	3/16	5/16	-	-	-	
			32	31	30	29	28	27	26	25	24	23
12	-	-	-	-	5/16	1/4	-	-	-	-	-	
14	-	-	-	-	3/16	1/4	-	-	-	-	-	
			52	51	50	49	48	47	46	45	44	43
16	-	-	-	-	-	-	-	-	-	-	-	
			73	72	71	70	69	68	67	66	65	64
20	-	-	-	-	-	1/2	-	-	-	-	-	
22	-	-	-	-	-	1/4	1/8	-	-	-	-	

N.B.

PIER NO.	BEAM NO.											
	12	13	14	15	16	17	18	19	20	21	22	
8	-	-	-	-	1/2	3/16	-	-	-	-	-	
10	-	-	-	-	3/16	-	-	-	-	-	-	
			33	34	35	36	37	38	39	40	41	42
12	-	-	-	-	-	-	-	-	-	-	-	
14	-	-	-	-	-	-	-	-	-	-	-	
			53	54	55	56	57	58	59	60	61	62
16	-	-	-	-	5/16	3/16	-	-	-	-	-	
			74	75	76	77	78	79	80	81	82	83
20	-	-	-	-	-	1/2	-	-	-	-	-	
22	-	-	-	-	-	1/4	1/8	-	-	-	-	

**STEEL EXTENSION TYPE AND H
SCHEDULE S/N 016-1110**

S.B.

PIER NO.	BEAM NO.										H
	20	19	18	17	16	15	14	13			
2	L	L	L	L	L	L	L	L	L	L	11 ³ / ₄
		54	53	52	51	50	49	48	47	46	45
5	K	K	K	K	K	K	K	K	K	K	9 ⁵ / ₁₆

N.B.

PIER NO.	BEAM NO.										H
	21	22	23	24	25	26	27	28			
2	L	L	L	L	L	L	L	L	L	L	11 ³ / ₄
		55	56	57	58	59	60	61	62	63	64
5	K	K	K	K	K	K	K	K	K	K	9 ⁵ / ₁₆

S.B.

PIER NO.	BEAM NO.						
	20	19	18	17	16	15	14
2	-	-	-	-	-	-	-
		54	53	52	51	50	49
5	-	-	-	-	-	-	-

N.B.

PIER NO.	BEAM NO.									
	21	22	23	24	25	26	27	28		
2	-	-	-	-	-	-	-	-	-	-
		55	56	57	58	59	60	61	62	63
5	-	-	-	-	-	-	-	-	-	-

**STEEL EXTENSION TYPE AND H
SCHEDULE S/N 016-1111**

S.B.

PIER NO.	BEAM NO.								H
	G8-L	G7-L	G6-L	G5-L	G4-L	G3-L	G2-L	G1-L	
3	J	J	I	I	I	I	I	I	9 ⁹ / ₁₆
4	I	I	I	I	I	I	I	I	11 ⁵ / ₁₆
6	I	I	I	I	I	I	I	I	11 ⁵ / ₁₆
8	I	I	I	I	I	I	I	I	9 ⁹ / ₁₆
9	I	I	I	I	I	I	I	I	11 ⁵ / ₁₆
11	I	I	I	I	I	I	I	I	11 ⁵ / ₁₆

N.B.

PIER NO.	BEAM NO.								H
	G8-R	G7-R	G6-R	G5-R	G4-R	G3-R	G2-R	G1-R	
3	J	J	J	I	I	I	I	I	9 ⁹ / ₁₆
4	I	I	I	I	I	I	I	I	11 ⁵ / ₁₆
6	I	I	I	I	I	I	I	I	11 ⁵ / ₁₆
8	I	I	I	I	I	I	I	I	9 ⁹ / ₁₆
9	I	I	I	I	I	I	I	I	11 ⁵ / ₁₆
11	I	I	I	I	I	I	I	I	11 ⁵ / ₁₆

S.B.

PIER NO.	BEAM NO.							
	G8-L	G7-L	G6-L	G5-L	G4-L	G3-L	G2-L	G1-L
3	1/8	1/8	1/8	-	-	-	-	-
4	1/8	1/8	1/8	-	-	-	-	-
6	1/8	1/8	1/8	-	-	-	-	-
8	1/8	1/8	1/8	-	-	-	-	-
9	1/8	1/8	1/8	-	-	-	-	-
11	1/8	1/8	1/8	-	-	-	-	-

N.B.

PIER NO.	BEAM NO.							
	G8-R	G7-R	G6-R	G5-R	G4-R	G3-R	G2-R	G1-R
3	1/8	1/8	1/8	-	-	-	-	-
4	1/8	1/8	1/8	-	-	-	-	-
6	1/8	1/8	1/8	-	-	-	-	-
8	1/8	1/8	1/8	-	-	-	-	-
9	1/8	1/8	1/8	-	-	-	-	-
11	1/8	1/8	1/8	-	-	-	-	-

**STEEL EXTENSION TYPE AND H
SCHEDULE S/N 016-1112**

S.B.

PIER NO.	BEAM NO.					H
	G5-A	G4-A	G3-A	G2-A	G1-A	
A14	I	I	I	I	I	12 ¹ / ₁₆
A17	I	I	I	I	I	12 ¹ / ₁₆
A23	J	J	J	J	J	12 ¹ / ₁₆
A25	J	J	J	J	J	12 ¹ / ₁₆

SHIM P. SCHEDULE S/N 016-1112

S.B.

PIER NO.	BEAM NO.				
	G5-A	G4-A	G3-A	G2-A	G1-A
A14	-	-	-	-	-
A17	-	-	-	-	-
A23	-	-	-	-	-
A25	-	-	-	-	-

- Prior to ordering any material, the contractor shall verify in the field all bearing height and shim thickness dimensions.
- Use holes in new bearings steel extensions as template to field drill holes in existing girders.
- The tapered plates shall be sloped in the same direction as the beam slope.
- The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.
- Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.
- For procedure to jack and remove existing bearing see Sht. 34.
- Beam numbers reference as-built drawings, see Framing plans for cross reference.
- For Side Retainers dimensions see Sht. 35.

BILL OF MATERIAL

Item	Unit	Quantity
Elastomeric Bearing Assembly, Type I	Each	284
Elastomeric Bearing Assembly, Type II	Each	32

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
DAN RYAN ELEVATED BRIDGE
BEARING REPLACEMENT & STEEL REPAIR
STEEL EXTENSION TYPE
& HB SCHEDULE
SCALE: NTS
DATE: 3/7/2008
DRAWN BY: MTR
CHECKED BY: BLU