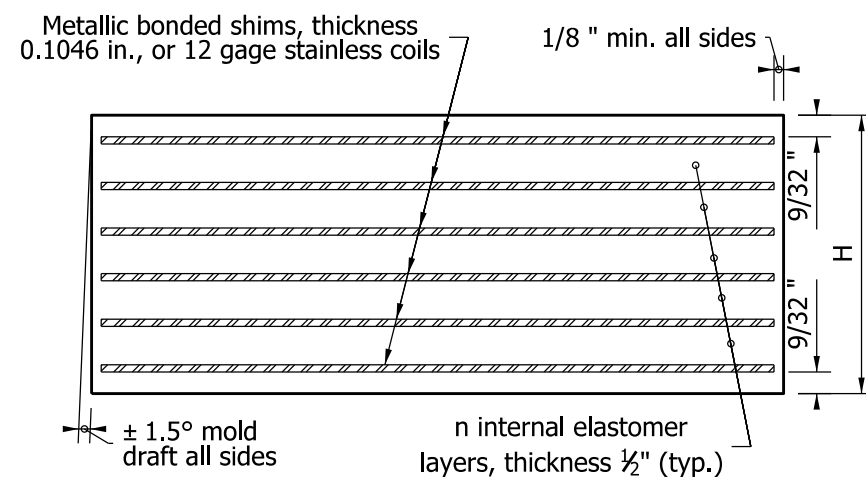


ELASTOMERIC BEARING PAD  
PLAN



SECTION A - A

NOTES:

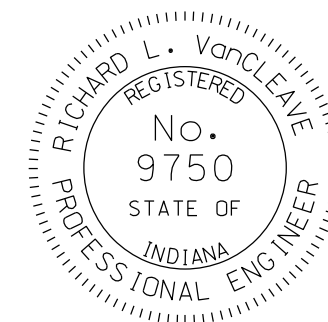
1. The rectangular Elastomeric Bearing Pad shall be placed with L dimension parallel to longitudinal bridge axis.
2.  $h_{rt}$  is defined as the summation of all internal elastomer thickness plus the two external layers thickness.

TABLE OF DIMENSIONS

Bearing Designation	Bearing Width W	Bearing Length L	Number of Internal Elastomer Layers n	$h_{rt}$	Number of Steel Shims $n_s$	Bearing Total Thickness H
TYPE 1	14"	10 1/2"	3	2 1/16"	4	2 15/32"
TYPE 2	14"	11 1/2"	4	2 9/16"	5	3 3/32"
TYPE 3	18"	11"	4	2 9/16"	5	3 3/32"
TYPE 4	24"	12"	5	3 1/16"	6	3 11/16"
TYPE 5A	22"	11"	4	2 9/16"	5	3 3/32"
TYPE 6A	22"	10"	4	2 9/16"	5	3 3/32"
TYPE 7A	22"	9"	3	2 1/16"	4	2 15/32"
TYPE 5B	12"	12"	4	2 9/16"	5	3 3/32"
TYPE 6B	12"	11"	4	2 9/16"	5	3 3/32"
TYPE 7B	12"	10"	3	2 1/16"	4	2 15/32"

INDIANA DEPARTMENT OF TRANSPORTATION  
BRIDGE ELASTOMERIC BEARING PADS  
TYPE 1 to 7  
FOR PRESTRESSED I-BEAMS & BOX BEAMS  
SEPTEMBER 2009

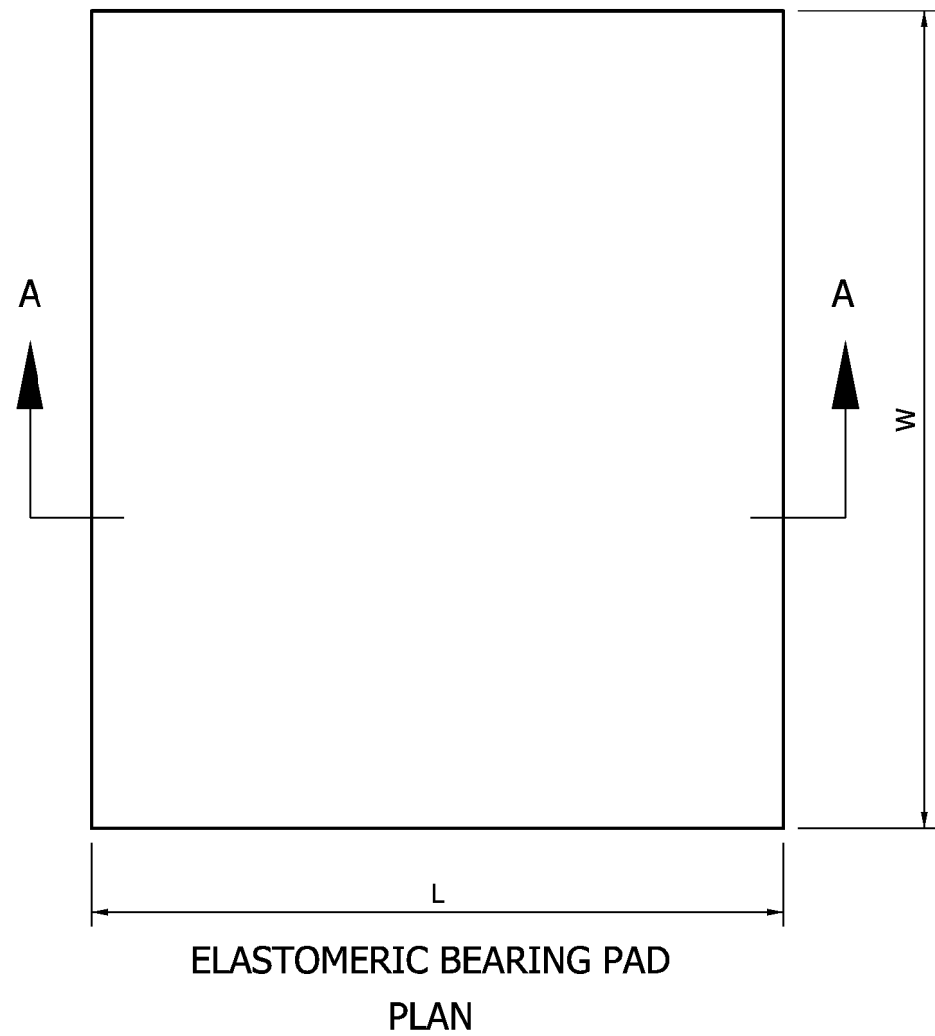
STANDARD DRAWING NO. E 726-BEBP-01



DESIGN STANDARDS ENGINEER

/s/ Richard L. VanCleave 09/01/09  
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/09  
CHIEF HIGHWAY ENGINEER DATE

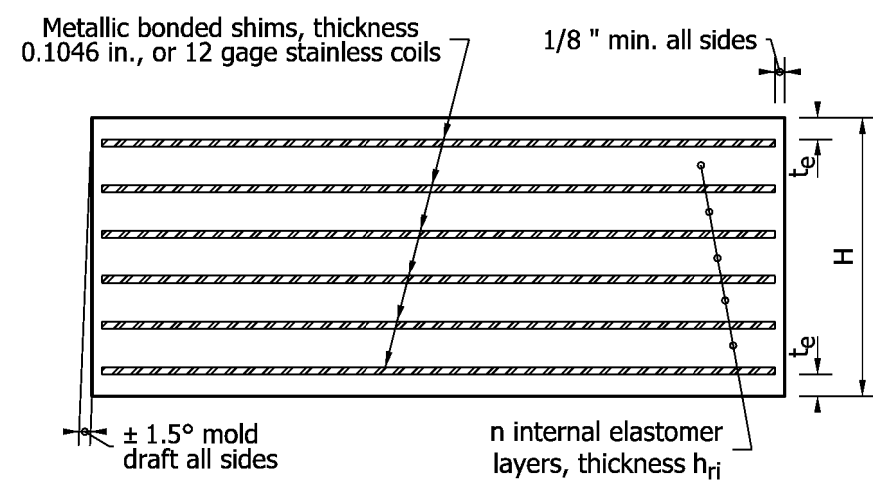


**NOTES:**

1. The rectangular Elastomeric Bearing Pad shall be placed with L dimension parallel to longitudinal bridge axis.
2.  $h_{rt}$  is defined as the summation of all internal elastomer thickness plus the two external layers thickness.

**TABLE OF DIMENSIONS**

Bearing Designation	Bearing Width W	Bearing Length L	Internal Elastomer Thickness $h_{ri}$	Number of Internal Elastomer Layers n	External Elastomer Thickness $t_e$	$h_{rt}$	Number of Steel Shims $n_s$	Bearing Total Thickness H
T1	23"	12"	1/2"	5	3/32"	3 1/16"	6	3 1/16"
T2	23"	14"	1/2"	6	3/32"	3 9/16"	7	4 5/16"
T3	23"	17"	19/32"	7	5/16"	4 25/32"	8	5 5/8"
T4	24"	19"	19/32"	8	5/16"	5 3/8"	9	6 5/16"



**INDIANA DEPARTMENT OF TRANSPORTATION**

**BRIDGE ELASTOMERIC BEARING PADS**

**TYPE T-1 to T-4**

**FOR PRESTRESSED BULB-TEE BEAMS**

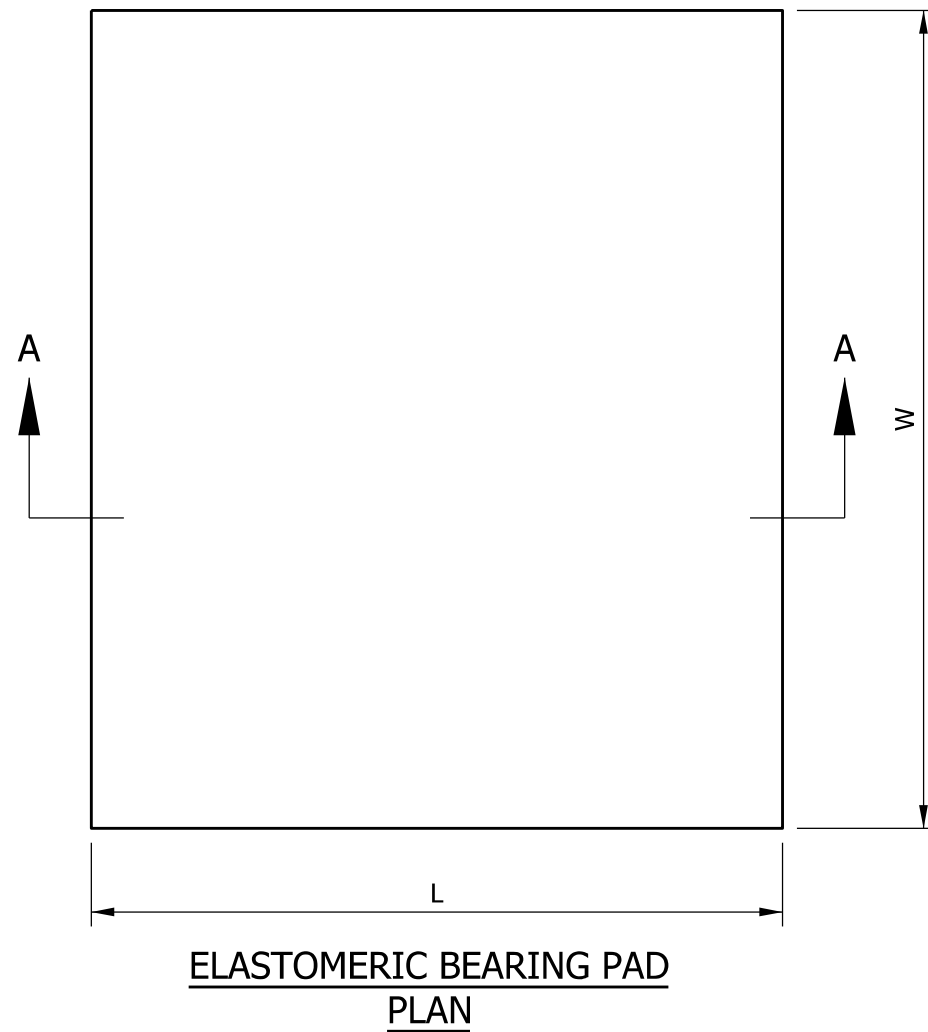
**SEPTEMBER 2009**

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**STANDARD DRAWING NO. E 726-BEBP-02**

	<p><i>/s/ Richard L. VanCleave</i>      09/01/09</p> <p>DESIGN STANDARDS ENGINEER      DATE</p>
	<p><i>/s/ Mark A. Miller</i>      09/01/09</p> <p>CHIEF HIGHWAY ENGINEER      DATE</p>

DESIGN STANDARDS ENGINEER

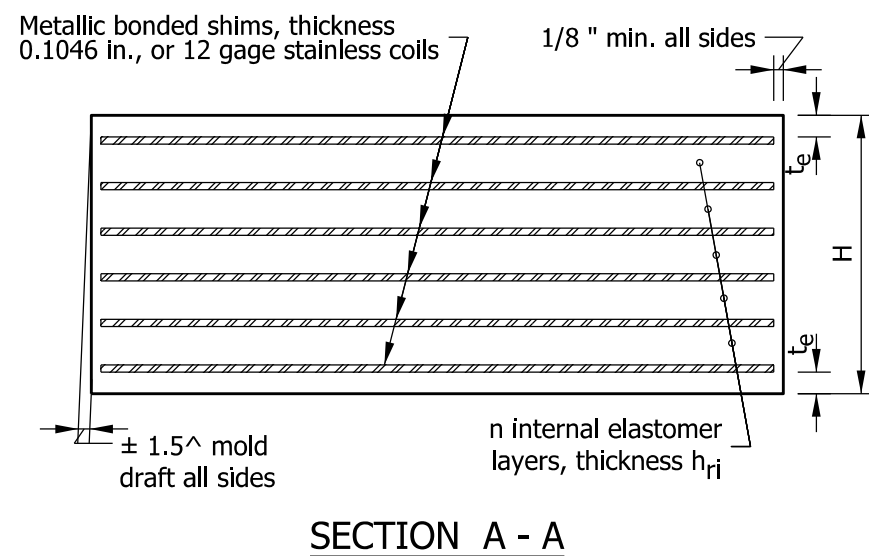


**NOTES:**

1. The rectangular Elastomeric Bearing Pad shall be placed with L dimension parallel to longitudinal bridge axis.
2.  $h_{rt}$  is defined as the summation of all internal elastomer thickness plus the two external layers thickness.
3. The Contractor shall check that the bearing seat is level. Grinding may be required to obtain a level seat.
4. The bridge seat shall be finished level at the time concrete is placed. Finished concrete shall be ground if necessary to ensure full and level contact between the seat and the bearing pads when the beams are set.

**TABLE OF DIMENSIONS**

Bearing Designation	Bearing Width W	Bearing Length L	Internal Elastomer Thickness $h_{ri}$	Number of Internal Elastomer Layers n	External Elastomer Thickness $t_e$	$h_{rt}$	Number of Steel Shims $n_s$	Bearing Total Thickness H
TH1	36"	12"	1/2"	5	9/32"	3 1/16"	6	3 11/16"
TH2	36"	14"	1/2"	6	9/32"	3 9/16"	7	4 5/16"
TH3	36"	17"	19/32"	7	5/16"	4 25/32"	8	5 5/8"
TH4	36"	19"	19/32"	8	5/16"	5 3/8"	9	6 5/16"

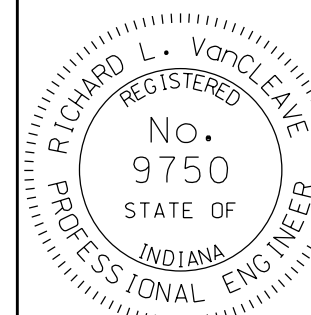


**INDIANA DEPARTMENT OF TRANSPORTATION**

**BRIDGE ELASTOMERIC BEARING PADS  
TYPE TH1 - TH4 FOR PRESTRESSED  
WIDE-FLANGE BULB-TEE BEAMS**

SEPTEMBER 2012

STANDARD DRAWING NO. E 726-BEBP-03

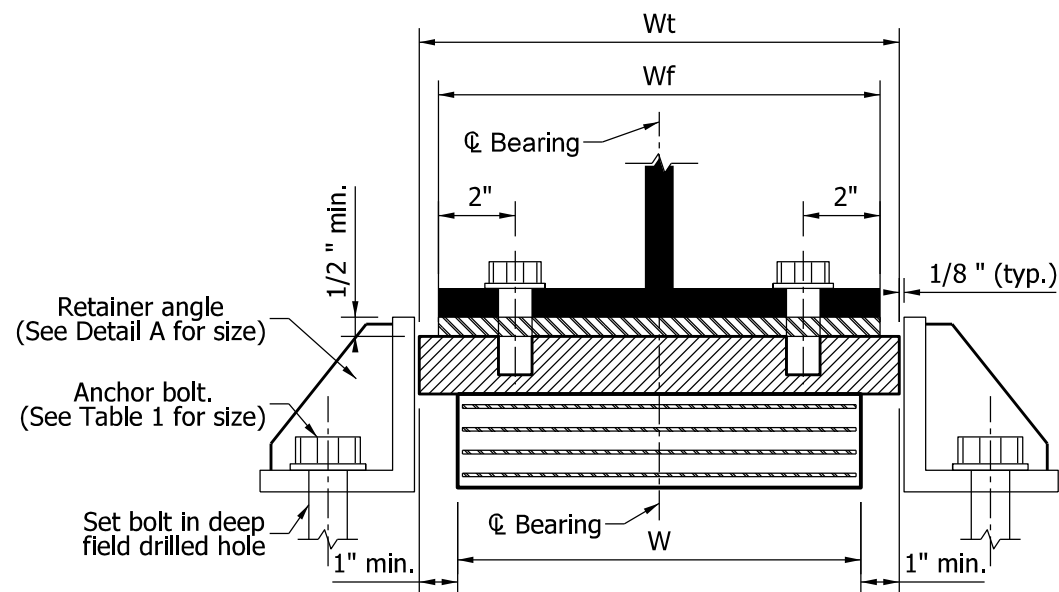


/s/ *Richard L. VanCleave* 09/04/12

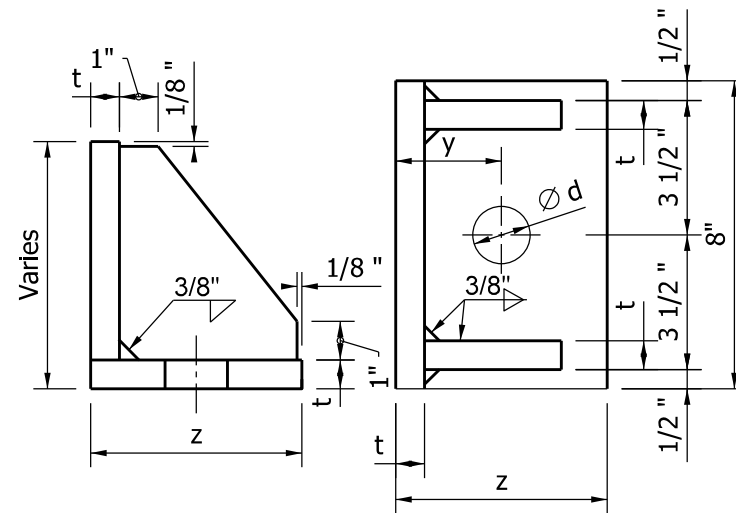
SUPERVISOR, ROADWAY STANDARDS DATE

/s/ *Mark A. Miller* 09/04/12

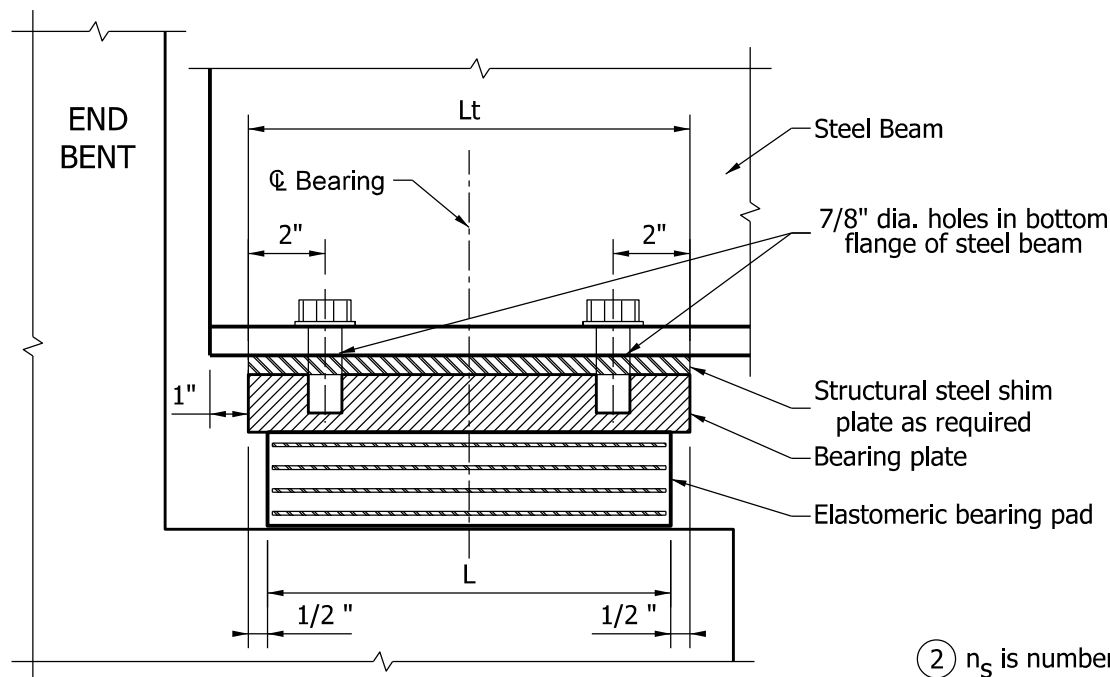
CHIEF ENGINEER DATE



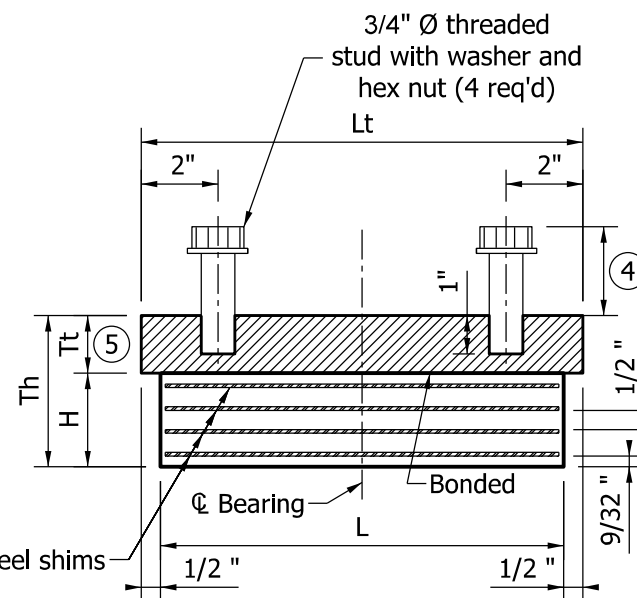
**CROSS SECTION THROUGH ASSEMBLY**



**DETAIL A (3)**



**LONGITUDINAL SECTION THROUGH ASSEMBLY**



**BEARING ASSEMBLY**

(2)  $n_s$  is number of steel shims

**NOTES:**

1. The bearing plate size shall be calculated as follows:  
 $L_t = L + 1"$     $W_t = W_f + 2"$    or    $W_t = W + 2"$  whichever is greater.
- (2) The shim thickness is 0.1046 in., which corresponds to 12 gage stainless coils.
- (3) Equivalent rolled angle shape with stiffeners may be used in lieu of welded plates.
- (4) Minimum dimension required is  $1 \frac{1}{2}" + \text{flange thickness} + \frac{1}{3}"$  (for shim plate).
- (5) Minimum thickness  $1 \frac{1}{2}"$
6. See standard drawing E 726-BEBP-05 for Table of Dimensions.

**TABLE 1**

ANCHOR BOLT SIZE	
BEARING SIZE	BOLT SIZE
S1	11" x 8"   1" x 12"
S2	12" x 9"   1" x 12"
S3	13" x 10"   1" x 12"
S4	15" x 11"   1 1/4" x 15"
S5	16" x 12"   1 1/4" x 15"
S6	20" x 13"   1 1/2" x 18"
S7	20" x 15"   1 1/2" x 18"

**TABLE 2**

BOLT DIA.	y	z	t	d
1"	2 1/8"	4"	1/2"	1 1/8"
1 1/4"	2 1/4"	4 3/4"	1/2"	1 3/8"
1 1/2"	2 3/4"	5 1/2"	3/4"	1 5/8"

**INDIANA DEPARTMENT OF TRANSPORTATION**

**BRIDGE ELASTOMERIC BEARING PADS  
TYPE S - FOR STEEL BEAMS**

**SEPTEMBER 2012**

**STANDARD DRAWING NO.    E 726-BEBP-04**

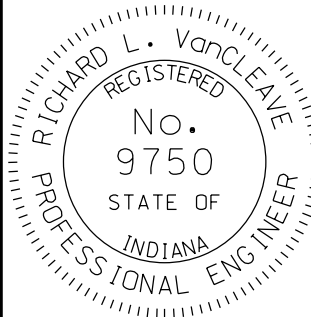
	<p>/s/ <i>Richard L. VanCleave</i>    09/04/12</p> <p>SUPERVISOR, ROADWAY STANDARDS    DATE</p> <p>/s/ <i>Mark A. Miller</i>    09/04/12</p> <p>CHIEF ENGINEER    DATE</p>
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**NOTES**

- ①  $h_{rt}$  is defined as the summation of all internal elastomer thicknesses plus the external elastomer thicknesses.
2. See Standard Drawing E 726-BEBP-04 for Type S bearing assembly details.

**TABLE OF DIMENSIONS - TYPE S BEARINGS FOR STEEL BEAMS**

Bearing Designation	Bearing Width W	Bearing Length L	Number of Internal Elastomer Layers n	$h_{rt}$ ①	Number of Steel Shims ns	Bearing Total Thickness H
S1-A	11"	8"	2	1 9/16"	3	1 27/32"
S1-B	11"	8"	3	2 1/16"	4	2 7/16"
S2-A	12"	9"	2	1 9/16"	3	1 27/32"
S2-B	12"	9"	3	2 1/16"	4	2 7/16"
S3-A	13"	10"	3	2 1/16"	4	2 7/16"
S3-B	13"	10"	4	2 9/16"	5	3 1/32"
S4-A	15"	11"	4	2 9/16"	5	3 1/32"
S4-B	15"	11"	5	3 1/16"	6	3 5/8"
S5-A	16"	12"	4	2 9/16"	5	3 1/32"
S5-B	16"	12"	5	3 1/16"	6	3 5/8"
S6-A	20"	13"	5	3 1/16"	6	3 5/8"
S6-B	20"	13"	6	3 9/16"	7	4 7/32"
S7-A	20"	15"	6	3 9/16"	7	4 7/32"
S7-B	20"	15"	7	4 1/16"	8	4 13/16"

INDIANA DEPARTMENT OF TRANSPORTATION									
ELASTOMERIC BEARING PADS TYPE S									
SEPTEMBER 2012									
STANDARD DRAWING NO. E 726-BEBP-05									
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SUPERVISOR, ROADWAY STANDARDS	DATE								
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CHIEF ENGINEER	DATE								