



| DIMENSIONS FOR I-BEAM PADS |     |     |                             |                   |                                  |
|----------------------------|-----|-----|-----------------------------|-------------------|----------------------------------|
| PAD                        | A   | B   | C                           | *MAXIMUM REACTION | MAXIMUM MOVEMENT (One Direction) |
| 1F                         | 14" | 10" | 2~0.12" x 13.630" x 9.630"  | 121k              | 0.5"                             |
| 2F                         | 16" | 10" | 2~0.12" x 15.630" x 9.630"  | 146k              | 0.5"                             |
| 3F                         | 20" | 10" | 2~0.12" x 19.630" x 9.630"  | 197k              | 0.5"                             |
| 4F                         | 24" | 10" | 2~0.12" x 23.630" x 9.630"  | 251k              | 0.5"                             |
| 5F                         | 24" | 11" | 2~0.12" x 23.630" x 10.630" | 295k              | 0.5"                             |

\* Use actual reactions to determine anchorage requirements for pads.

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|----------------------------|-----|-----|-----------------------------|-------------------|----------------------------------|
| PAD                        | A   | B   | C                           | *MAXIMUM REACTION | MAXIMUM MOVEMENT (One Direction) |
| 1E                         | 14" | 10" | 6~0.12" x 13.630" x 9.630"  | 121k              | 1.22"                            |
| 2E                         | 16" | 10" | 6~0.12" x 15.630" x 9.630"  | 146k              | 1.22"                            |
| 3E                         | 20" | 10" | 6~0.12" x 19.630" x 9.630"  | 197k              | 1.22"                            |
| 4E                         | 24" | 10" | 6~0.12" x 23.630" x 9.630"  | 251k              | 1.22"                            |
| 5E                         | 24" | 11" | 7~0.12" x 23.630" x 10.630" | 295k              | 1.44"                            |

\* These reactions are based on service loads, use actual reactions to determine anchorage requirements for pads.

### GENERAL NOTES

SPECIFICATIONS: Fabricate the Elastomeric Bearing Pads to the design and dimensions as shown on these drawings and to AASHTO LRFD Bridge Construction Specifications, Section 18.

Ensure bearings are low temperature Grade 3 with durometer hardness of 50 and subjected to the load testing requirements corresponding to Design Method A.

Include the price of bearing pads in the bid for the beams.

|   |                    |          |
|---|--------------------|----------|
| <b>KENTUCKY<br/>DEPARTMENT OF HIGHWAYS</b>                    |                    |          |
| <b>ELASTOMERIC BEARING<br/>PADS FOR<br/>PRESTRESSED BEAMS</b> |                    |          |
| STANDARD DRAWING NO. BBP-001-12                               |                    |          |
| SUBMITTED   | <i>Mark Nite</i>   | 12-01-11 |
| DIRECTOR, DIVISION OF STRUCTURAL DESIGN                       |                    | DATE     |
| APPROVED  | <i>[Signature]</i> | 12-01-11 |
| STATE HIGHWAY ENGINEER  |                    | DATE     |