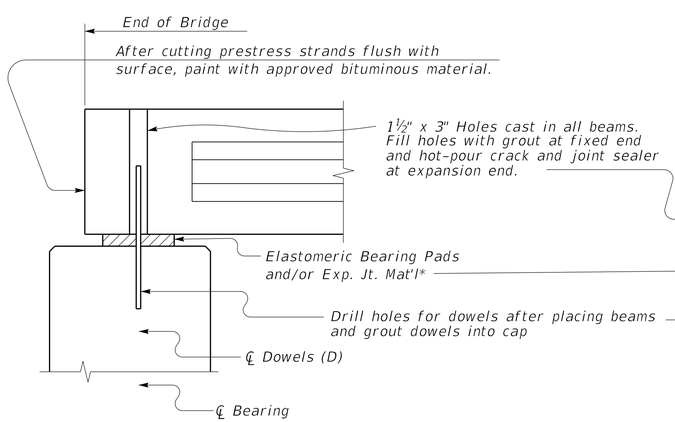
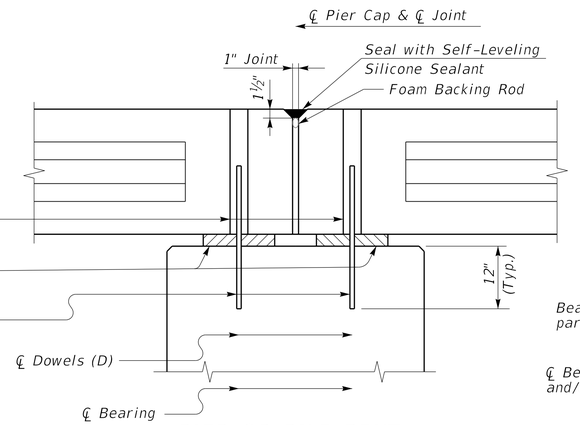
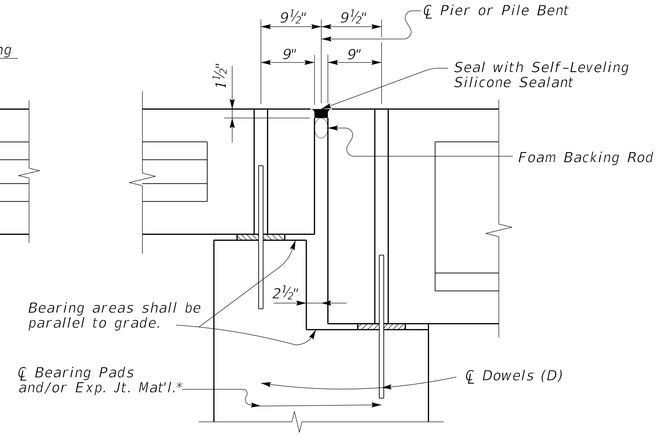


ABUTMENT OR END BENT



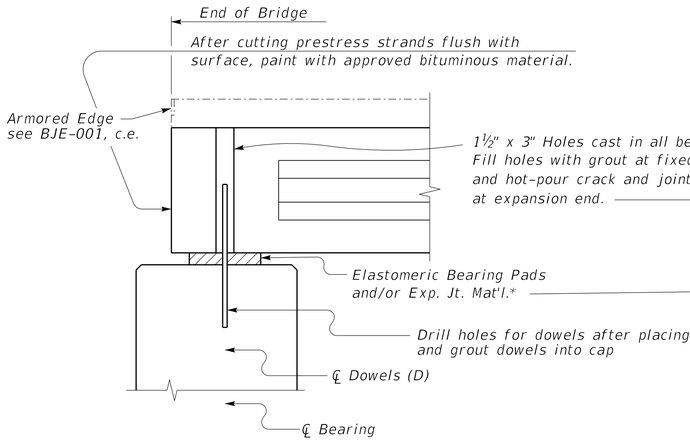
PIER OR PILE BENT



STEPPED PIER OR PILE BENT

(Showing Location & Placement of Box Beams)

TYPICAL BEARING DETAILS (NON-COMPOSITE)



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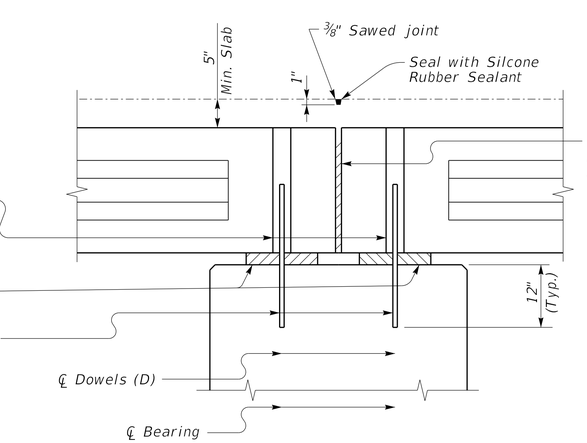
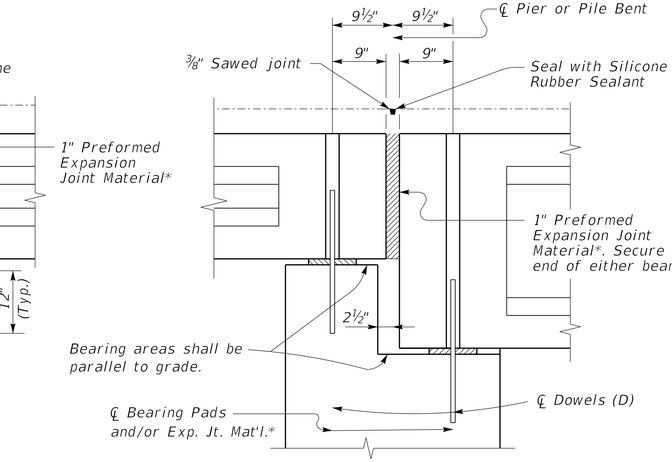


PIER OR PILE BENT



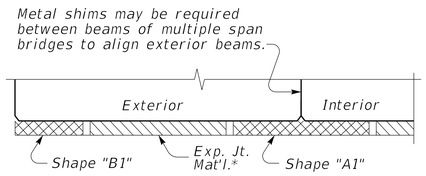
STEPPED PIER OR PILE BENT

(Showing Location & Placement of Box Beams)

TYPICAL BEARING DETAILS (COMPOSITE)

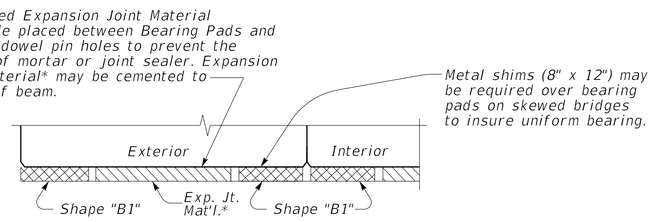
*Expansion Joint Material:
AASHTO M153
Type-I Sponge Rubber

** Preformed Neoprene Rubber Sheet:
50 Durometer
AASHTO M251, Grade 3

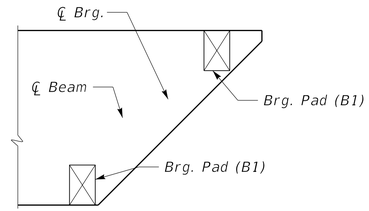


(0°Skew)

For Elastomeric Bearing Pad Details of Shapes A1 & B1, see Std. Dwg. BBP-003, c.e.



(Skewed Spans)



PAD PLACEMENT FOR SKEWS

Pads "B1" are to always be placed perpendicular to ℄ beam with center of pad over ℄ bearing.

SHOWING PADS FOR BEAM TYPES B27-B42 & CB27-CB42

Use ½" x 1'-6" preformed neoprene rubber sheet** for beam types B12-B21 & CB12-CB21 for bearing.

GENERAL NOTES

Provide metal shims conforming to ASTM A36 and galvanize in accordance with ASTM A123. As alternates, polymer, or elastomer shims may be used. Include the cost of furnishing and placing these shims in the price per beam.

REVISION DATE: 08/11/2025
REVISION NUMBER: 0

SUBMITTED Michael Carter 08-11-2025
DIVISION DIRECTOR DATE

APPROVED Jason Bellamy 08-11-2025
STATE HIGHWAY ENGINEER DATE

DECK UNITS

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

BOX BEAM BEARING DETAILS

STANDARD DRAWING NUMBER
BDP-002-01