



BRIDGE EXPANSION JOINT CHECKLIST

The following basic information is required in order to verify or make a preliminary technology choice for sealing joints in bridges. This may not be the only information required but it is a good start.

Fax to EMSEAL at: 508-836-0281 or email to: techinfo@emseal.com

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Check one: Purchase Order Attached: PO#: _____ Quote Request Product Selection Inquiry

Date: _____ Job Name: _____ Location (City & State): _____

Your Name: _____

Your Email: _____

Your Company: _____

PH: _____ FX: _____

Engineer: _____

Contact: _____

PH: _____ FX: _____

Contractor: _____

Contact: _____

PH: _____ FX: _____

Type of Construction:

New Construction Retrofit

Driving Surface: Concrete Asphalt

Supporting Structure: Steel Concrete

Header Material:

Concrete Asphalt
 Elastomeric Header Material
 Metal Angles in Joint Edges

Joint Material currently installed or specified is:

Strip Seal Compression Seal
 Asphaltic Plug Inflated "jeene" joint
 Tooth joint Bolt-Down
 Modular joint Liquid Sealant "caulk"
 Closed-cell "evazote" joint
 Precompressed, Impregnated Foam
 Other _____

Joint Alignment to Roadway Traffic Flow:

Perpendicular At an angle _____ degrees

Does Joint Require A Fire Rating?:

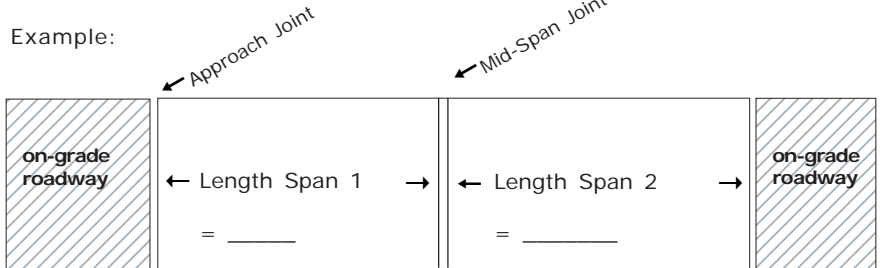
No Yes, # of Hours _____

Expected Movements:

Type of Movement:	Amount:
<input type="checkbox"/> Normal Lateral (Thermal)	+ _____ - _____
	Total: _____
<input type="checkbox"/> Differential Vert. Deflection	+ _____ - _____
	Total: _____
<input type="checkbox"/> Shear	+ _____ - _____
	Total: _____
<input type="checkbox"/> Seismic	+ _____ - _____
	Total: _____
<input type="checkbox"/> Other _____	+ _____ - _____
	Total: _____
<input type="checkbox"/> Unknown	

Plan View of Bridge (Show location of expansion joint(s) and lengths of slabs on each side of joint. Indicate approach joint(s) and/or fixed, non-moving connections if any and mid-span joints. This information will be used to run a joint movement calculation scenario for consideration by the engineer in material size selection.) (Attach additional sheets as needed.)

Example:



Cross-section sketch of joint:

Field-Measured As-Built Joint Size: (Supply gap width and temperature)

Gap

Joint-gap width is _____
 Varies from _____ to _____ over its length.
 Varies a lot over its length -- attach plan view sketch with measurements every 6FT (2m).

Temperature

Substrate Surface Temp. _____ Ambient Temp. _____
(Measure width on concrete joint-gap faces and shield substrate thermometer from direct sunlight or use laser-substrate thermometer.)

Unbuilt/Designed:

Joint-gap width is _____

Total footage of expansion joint(s) is: _____

Transitions In Plane and Direction (over, through, around, under, next to):

Flat turn in deck--angle is: 90-deg Other-deg. _____
 Flat turn at column, wall, or parapet
--angle is: 90-deg Other _____
 Up curb and over sidewalk Cross
 Tee Along Wall (deck-to-wall)
 Up curb, over sidewalk and into parapet
 Other _____

Joint terminates:

Into parapet/wall--Joint in parapet lines up
 Into parapet/wall--Joint in parapet is offset
 Into parapet/wall--No joint in parapet
 Into wall--perimeter joint between wall & deck
 Into freestanding "jersey" barriers
 Into cast-in-place "jersey" barriers
 Joint runs off deck
 Into split column