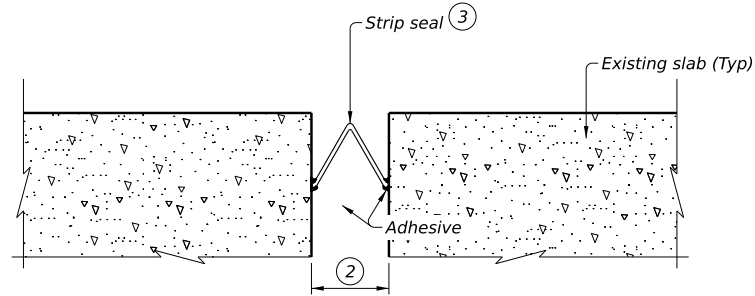


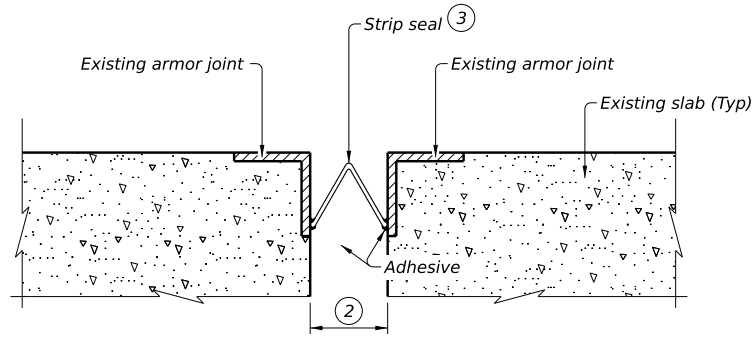
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**APPROVED STRIP SEAL SYSTEM MANUFACTURERS**

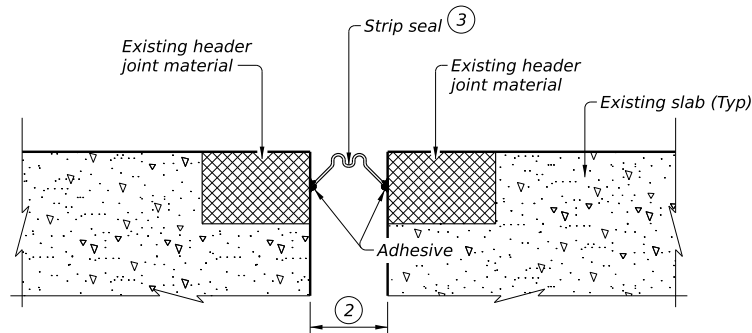
Manufacturer	Strip Seal
	Seal Type
D.S. Brown	V-400
R.J. Watson	SF-400
SSI	SSS-400
Watson Bowman ACME	SPS-400



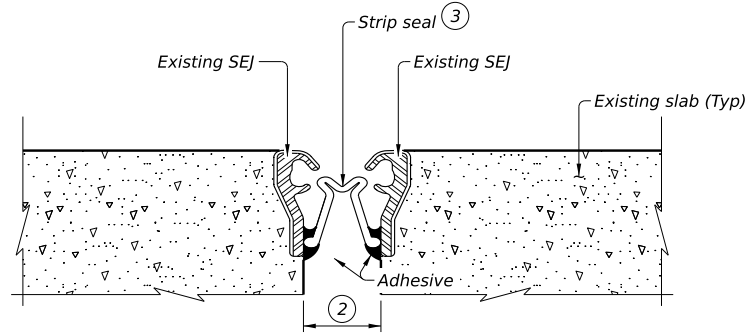
**BONDED STRIP SEAL ON CONCRETE**



**BONDED STRIP SEAL ON ARMOR JOINT**



**BONDED STRIP SEAL ON HEADER JOINT**



**BONDED STRIP SEAL ON SEJ-M**

Used to repair failed strip seals. Showing SEJ-M. Other sections similar.

- 1 The PRE-INSTALLATION CONDITIONS and INSTALLATION PROCEDURE FOR NEW AND EXISTING JOINTS are meant to be general guides. See manufacturer specific procedures and instructions for detailed guidance.
- 2 Recommended minimum installation width is 2".
- 3 Regardless of seal type shown, any strip seal system from the table above may be used in this application.

**PRE-INSTALLATION CONDITIONS 1**

- Ambient and surface temperatures must be at least 40°F.
- Joint surfaces must be completely dry. Do not install strip seal system immediately after a rain event or if precipitation is forecast for the day.
- Prepare joints and install strip seal system on the same day.
- No traffic is allowed to cross over primed and sandblasted joints.
- If necessary, repair existing joint appropriately per TxDOT Item 785, "Bridge Joint Repair or Replacement."
- Ensure that all materials associated with preparation and installation of strip seal are compatible.

**INSTALLATION PROCEDURE FOR NEW AND EXISTING JOINTS: 1**

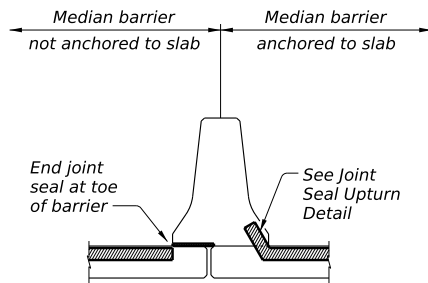
- Abrasive blast the vertical faces of the joint (steel or concrete) then clean with a cloth saturated in denatured alcohol.
- Apply the surface primer to the vertical joint faces. Follow all manufacturer's instructions for preparation and application of surface primer.
- Ready the strip seal next to the joint opening and clean thoroughly with a cloth saturated in denatured alcohol.
- Using a caulking tool, apply an initial bead of adhesive at least 3/8" in diameter to both vertical faces of the joint below the top surface of the joint.
- Place the strip seal into the joint above the initial bead of adhesive. Gradually press the seal downward while maintaining contact between the seal's sides and joint header. Position the strip seal so that seal top is at least 1/2" below the riding surface.
- Place a second bead of adhesive along each side of the strip seal no higher than the top of the strip seal's serrations. Ensure that this layer of adhesive is in contact with the strip seal and joint faces.
- Tool the second layer of adhesive with a tongue depressor (or other suitable tool) to create a concave face that is completely in contact with the joint faces.
- Cure the strip seal system per manufacturer's recommendations prior to permitting traffic on the bridge.

**NOTE TO DESIGNER:**

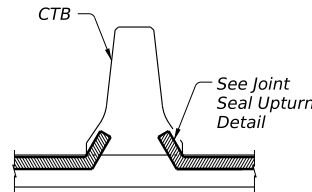
This sheet is to be used as a guide for cleaning and sealing existing bridge joints. Details with appropriate notes from this guide should be prepared for the specific application. Particular care should be taken in identifying existing joint conditions and properly sizing joint sealant systems.

Use Item 0438-6016, "Clean and Seal Exist JTS (Strip Seal)" to specify strip seal system joints.

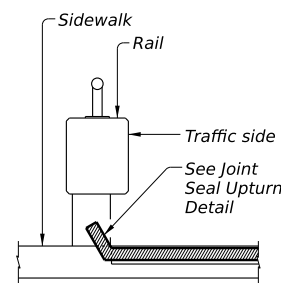
This sheet cannot be used without modification. The details shown may need to be amended if the exact existing conditions are not covered. In all cases details and notes not required must be deleted. This note and the phrase "Not to be used as a standard" must be removed and the sheet must be signed and sealed by a Professional Engineer.



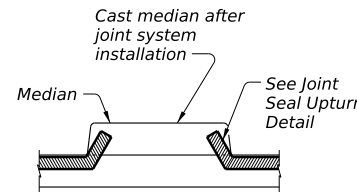
**OPEN DECK JOINT BELOW MEDIAN BARRIER**



**CONCRETE TRAFFIC BARRIER**

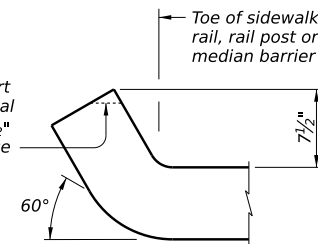


**SIDEWALK BEHIND BRIDGE RAIL**

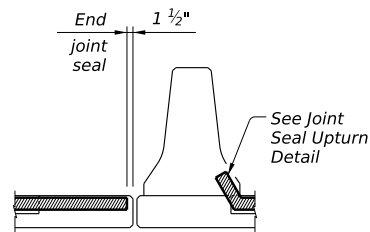


**RAISED MEDIAN**

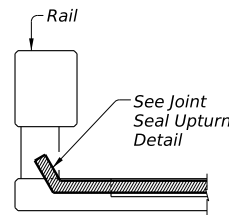
For curbs or short parapets trim seal approximately 1/2" below top surface



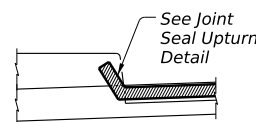
**JOINT SEAL UPTURN DETAIL**



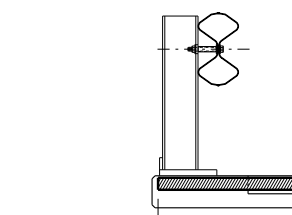
**OPEN DECK JOINT ADJACENT TO MEDIAN BARRIER**



**CONCRETE BRIDGE RAIL**



**SIDEWALK**



**STEEL POST BRIDGE RAIL**

**JOINT SEALANT TERMINATION DETAILS**

P.E. SEAL REQUIRED  
**PRELIMINARY**  
SUBJECT TO REVISION

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Texas Department of Transportation Bridge Division

**CLEANING AND SEALING EXISTING BRIDGE JOINTS (STRIP SEAL)**

(Not to be used as a standard)  
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