



SECTION

Angle type armor shown. Detail is identical for plate type armor or unarmored joint.

GENERAL NOTES:

Header Type Joint must be in accordance with Item 454, "Bridge Expansion Joints".

Unless shown otherwise on the plans, header material will be paid for by the cubic foot and sealant by the linear foot in accordance with Item 454, "Bridge Expansion Joints".

Removal and replacement of loose existing steel and repair of deck must be in accordance with Item 785, "Bridge Joint Repair or Replacement". This work is subsidiary to Item 454, "Bridge Expansion Joints - Armor Joints", or "Bridge Expansion Joints - SEJ".

Work performed and materials furnished for cleaning existing joints will be paid for by the linear foot under Item 438, "Cleaning and Sealing Joints".

Any asphaltic material deposited on bent or abutment caps must be removed.

AFTER EXISTING OVERLAY IS REMOVED:

Clean joint of any bituminous material, dirt, grease, or other deleterious material. Joint opening must be cleaned of old expansion material or devices in accordance with Item 438, "Cleaning and Sealing Joints".

The entire length of the joint must be checked. If any steel is present, remove and replace any portion determined to be unsound. Repair the deck. An approved concrete repair material must be used to repair any deep spall in the deck that leaves less than 6 inches of the original concrete below the spall. Spalls in the deck that are not so deep may be filled with header material. Removal and repair of deck must be accordance with Item 785, "Bridge Joint Repair or Replacement". Repair of damage caused by the Contractor must be repaired at the Contractor's expense in accordance with Item 429, "Concrete Structure Repair".

Place surface treatment according to the plans.

AFTER NEW OVERLAY IS PLACED:

- 1 Saw cut overlay to the top of deck and remove material to expose the joint.
- 2 Surfaces where header material is to be placed must be clean and dry in accordance with the manufacturer's specifications. Remove all asphaltic materials from the deck where the header material is placed.
- 3 Place header material in accordance with Item 454, "Bridge Expansion Joints - Header Type Expansion Joint". Match the thickness of the header material with the thickness of the overlay as shown in the plans. Do not cantilever header material over the joint opening.
- 4 Match existing joint opening or set at the minimum:
 - a. 1 inch at 70 degrees F when the distance between joints is 150 feet or less
 - b. 2 inches at 70 degrees F when the distance between joints is greater than 150 feet
 - c. or as directed by the Engineer
- 5 After placing header material, install backer rod and sealant in accordance with Item 438, "Cleaning and Sealing Joints". Extend sealant up into rail or curb 6 inches on low side or sides of deck. If the Class 7 sealant cannot be effectively placed in the vertical position, a Class 4 sealant is allowed for the extension of the seal into the curb or rail. Prepare surfaces where sealant is to be placed in accordance with manufacturer's specifications.

SAN ANTONIO DISTRICT STANDARD



**EXPANSION JOINT
HEADER REPAIR**

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| FED. RD. DIV. NO. | FEDERAL AID PROJECT | | SHEET NO. |
| 6 | | | |
| STATE | DIST. | COUNTY | |
| TEXAS | SAT | | |
| CONT. | SECT. | JOB | HIGHWAY NO. |
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