

# Inspector Quantlist Report 20250224

Diary Number: \_\_\_\_\_

Inspector Name: \_\_\_\_\_

TRACS Number: \_\_\_\_\_

Date: \_\_\_\_\_

Division VI: Structures

Title: Bridge Deck Joint

Structure Name:	Structure Number:
Station:	Joint Type:
Air Temperature:	Manufacture Name:

Attribute Numbers	Yes, No, N/A	Narratives	References
0.		Have all stakeholders participated in the pre-activity meeting?	Construction Manual 108-112
1.		Has the contractor submitted a Certificate of Compliance or a Certificate of Analysis, as required, prior to the use of any materials or manufactured assemblies for which the specifications require?	2021 Standard Specifications 106.05 pg. 89
2.		Are elastomer joint seal elements Compression Seal or Strip Seal type and do they conform to the requirements of the specifications?	2021 Standard Specifications 601-3.04(B)(2) pg. 583 1011-5 pg. 1221
3.		Has the correct type of joint (compression seal or strip seal) been installed as shown in the project plans?	2021 Standard Specifications 601-3.04(B)(2) pg. 583
4.		Have deck joint shop drawings been submitted, reviewed and approved per the requirements of the specifications?	2021 Standard Specifications 601-3.04 (c) pg. 584 105.03 pg. 67
5.		Has the Inspector confirmed the correct gap width (e dimension) according to the method in the shop drawings using a temperature correction chart prior to pouring the deck joint? (the width is based on the structure temperature not air temperature)	Construction Manual pg.601-30 Structure Detail Drawings 3.01, 3.02, 3.03 Approved Shop Drawings
6.		Were joint assembly inspected for voids by sounding the angle with a hammer? All voids shall be repaired by the contractor by epoxy injection.	2021 Standards Specification 601-3.04 (B)(3)(e) pg. 584
7.		Were voids filled with epoxy injection at no cost to the department?	2021 Standards Specification 601-3.04 (B)(3)(e) pg. 584

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8.		Have construction joint surfaces in place more than eight hours been cleaned by abrasive blast methods?	2021 Standard Specifications 601-3.04 (A) pg. 582
9.		For each size of seal on a project, was the additional length removed and tested by ADOT Materials Group?	2021 Standard Specifications 601-3.04 (B)(3)(a) pg. 583
10.		Were joints to be sealed protected at all times prior to installing the elastomer?	2021 Standard Specifications 601-3.04 (B)(3)(e) pg. 584
11.		The block out area reinforcing steel is checked for quantity, size, spacing, clearance, and correct placement.	2021 Standard Specifications 605-3.01 pg. 636
12.		Immediately prior to the placement of the seal element, were the metal contact surfaces of the joint armor clean, dry, and free of oil, rust, paint, and other foreign material?	2021 Standard Specifications 601-3.04(B)(3)(e) pg. 585
13.		After installation, was the deck joint seal element checked for perforations or tearing? (if found, will be cause for rejection of the seal).	2021 Standard Specifications 601-3.04 (B)(3)(e) pg. 585
14.		Prior to placing the concrete, are the block out surfaces cleaned of all dust and abrasive material?	2021 Standard Specifications 601-3.04 (B)(3)(e) pg. 585
15.		Has the cleaned concrete been coated with an approved adhesive specifically formulated for bonding new concrete to old concrete?	2021 Standard Specifications 601-3.04 (B)(3)(e) pg. 584
16.		Was there adequate vibration or other consolidation methods used for the concrete in the joint? (With special emphasis on the area under the angle iron)	2021 Standard Specifications 601-3.03(D) pg. 581
17.		Was the strip (Neoprene) seal supplied in full length without splices?	2021 Standard Specifications 1011-5.02 pg. 1222
18.		Is the compression (polychloroprene) joint supplied at full length without splices for lengths of 60 feet or less, unless otherwise indicated on the Project Plans?	2021 Standard Specifications 1011-5.02 pg. 1221 Structure Detail Drawings SD 3.01
19.		The minimum depth of the seal, measured at the contact surface, is at least 95 percent of the minimum uncompressed width of the seal as designated by the manufacturer?	2021 Standard Specifications 1011-5.02 pg. 1221
20.		Were all open ends of the seal that would admit water or debris, each cell is filled to a depth of 3 inches with commercial quality open cell polyurethane foam or closed by other means subject to the approval of the Engineer?	2021 Standard Specifications 1011-5.02 pg. 1221

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21.		Erection angles and curb plate bolts were removed immediately after the deck joint is fully encased in concrete (except curb or barrier concrete), and such concrete has attained its initial set (2 hours)?	Structure Detail Drawings SD 3.01
22.		Compression joint seals are placed flush with the guard angle (-1/4 inch to +3/8 inch) as indicated on the Project Plans?	Structure Detail Drawings SD 3.01
23.		Quantlist Minimum Frequency is being followed, one per span?	Construction Bulletin 07-01