Division VI: Structures
Title: Bridge Deck Joint

<table>
<thead>
<tr>
<th>Attribute Numbers</th>
<th>Compliance</th>
<th>Narratives</th>
<th>References</th>
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</table>
| 0.                | All stakeholders participated in a pre-activity meeting (discuss pour schedules, steel placement, steel and formwork inspection, concrete placement, consolidation, finish, texture, cure, and traffic and safety issues). | | Construction Manual 601-3.02 (C)  
Construction Manual 601-3.03 (A)  
Construction Manual 601-3.03 (B)  
Standard Specification 601-3.03 (A) |
| 1.                | Correct type of joint (compression seal or strip seal) is installed as per approved project plans and approved shop drawings. | | Standard Specifications 601-3.04(B)(2) |
| 2.                | Approved certificates of compliance are on file for bridge deck joint assemblies. | | Standard Specifications 601-3.04(B)(3)(a)  
Standard Specifications 1011-3 |
| 3.                | The Certificates of Compliance to which state that steel or iron products incorporated into the project meet the Buy America Act requirements, certifying that all manufacturing processes producing a steel or iron product, including any application of a coating to iron or steel, occurred in the United States. | | 23 CFR Part 635.410  
Special Provisions 106.05  
Special Provisions 106.15 |
|   | Inspector has a copy of the approved Shop Drawings for the correct type of assembly: compression seal or strip seal. | Standard Specifications 105.05  
|   | Shop drawings have been reviewed and approved per Spec 105.03. | Standard Specifications 105.03  
|   | Prior to placing the concrete, the joint opening is checked and/or adjusted in accordance with the temperature correction chart in the Shop Drawing. | Standard Specifications 601-3.04(B)(3)(b)  
|   | Contractor and ADOT agree on the final "e" dimension (Temperature). | Shop Drawing  
|   | Engineer shall inspect the joint assembly for voids by sounding the angle with a hammer. All voids shall be repaired by the contractor by epoxy injection. | Plans  
|   | Construction joint surfaces in place more than eight hours are cleaned by abrasive blast methods. | Standard Specifications 601-3.04  
|   | One sample (18 inches or longer) of the seal material was taken for each size of seal used on the project? | Standard Specifications 601-3.04(B)(3)(a)  
|   | Prior to installing the Elastomer portion of the assembly, joints-to-be-sealed are covered and protected at all times. | Standard Specifications 601-3.04(B)(3)(g)  
|   | After installation, the deck joint seal element is checked for perforations or tearing (if found, will be cause for rejection of the seal). | Standard Specifications 601-3.04(B)(3)(g)  
|   | The block out area reinforcing steel is checked for quantity, size, spacing, clearance, and correct placement. | Plans  
|   | Prior to placing the concrete, the block out surfaces are cleaned of all dust and abrasive material and coated with an approved adhesive. | Standard Specifications 601-3.04(B)(3)(g)  
|   | Immediately prior to concrete placement, the forms, and reinforcing steel are sprinkled with cool water (required for air temperatures above 90° degrees F, but recommended for all temperatures above freezing). | Standard Specifications 1006-5.02  
|   | Adequate vibration or other consolidation methods are used for the concrete in the joint with special emphasis on the area under the angle iron. | Construction Manual 601-3.03(D)  
|   | Strip (Neoprene) seal is supplied full length without splices. | Standard Specifications 1011-5.02  
|   | Compression (polychloroprene) joint is supplied full length without splices for lengths of 60 feet or less, unless otherwise indicated on the Project Plans. | Standard Specifications 1011-5.02  
|   | To ensure a smooth finished joint, the top elevation of the angle iron is checked longitudinally and transversely with a straight-edge. | Standard Specifications 601-3.05(D)  
|   | After the initial concrete sets, the bolts holding the joint together are loosened or removed to allow for movement. | Structure Detail Drawings SD 3.01  

Page 2 of 3
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<tbody>
<tr>
<td>21.</td>
<td>Compression joint seals are placed flush with the guard angle (-1/4 inch to +3/8 inch) as indicated on the Project Plans.</td>
<td>Structure Detail Drawings SD 3.01</td>
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<td>22.</td>
<td>Quantlist Minimum Frequency is being followed, one per span.</td>
<td>Construction Bulletin 07-01</td>
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