

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

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

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

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

**Division VI: Structures**

**Title: Bridge Deck (Superstructure)**

Structure Number:
Structure Name:
Begin Station:
End Station:
Pour Sequence Number:

No	Compliance	Narrative	Reference
0.		All stakeholders participated in a pre-activity meeting (discuss pour schedules, steel placement, steel and formwork inspection, concrete placement (not less than 35 cubic yards per hour unless approved in writing by the Engineer), consolidation, finish, texture, cure, and traffic and safety issues).	Construction Manual 601-3.03(A) Standard Specifications 2021 601-3.03 (A)
1.		The contractor safety plan has been reviewed and approved by the engineer and is being followed. The plan shall satisfy occupational safety guidelines in all construction activities involved in the project. For additional information, refer to ADOT Standard Specifications 107.08.	Standard Specifications 2021 107.08
2.		The placing of concrete will not be permitted until the Engineer is satisfied that the rate of producing and placing concrete is sufficient to complete the proposed pour and finishing operations within the scheduled time; that experienced concrete finishers are available to finish the deck; and that all necessary finishing tools and equipment are on hand at the site of the work and are in satisfactory condition for use.	Standard Specifications 2021 601-3.03 (B)
3.		The forms shall be mortar tight, cleaned of all dirt, sawdust and other foreign materials and shall be designed, constructed, braced and maintained so that the finished concrete is true to line and elevation and conforms to the required dimensions and contours. Forms shall be designed to withstand the pressure of concrete with consideration given to rate of concrete placement.	Standard Specifications 2021 601-3.02(C)
4.		Forms are wood, metal or other suitable materials designed, constructed, braced and maintained so that the finished concrete is true to line and elevation, and conforms to required dimensions and contours.	Standard Specifications 2021 601-3.02 C (1)

5.		All forms are filleted 3/4 inch so there are not any exposed, sharp corners in the finished concrete and all forms shall be treated with an approved form release agent before concrete is placed.	Standard Specifications 2021 601-3.02 (C)(1)
6.		No concrete is placed in any forms supported by false-work until the Contractors Professional Engineer has inspected the completed false-work and has issued a properly signed and sealed certificate that the false-work has been constructed according to the approved false-work drawings.	Standard Specifications 2021 601-3.02 (B)(2)
7.		When bar bending diagrams are not shown on the project plans, shop drawings and lists showing the bending of reinforcement bars is submitted by the Contractor to the Engineer for approval (but such approval does not relieve the Contractor of his responsibility for the correctness of such drawings and lists).	Standard Specifications 2021 605-3.01
8.		The Contractor furnished Certificates of Compliance conforming to the requirements of Subsection 106.05, which state that steel or iron products incorporated in 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.	Special Provisions 106.15 Standard Specifications 2021 106.05
9.		A copy of the mix design, approved by the Regional Materials Engineer, is on file.	Standard Specifications 2021 1006-3.02 Standard Specifications 2021 1006-3.03
10.		Certificate of Analysis is submitted for the liquid-membrane forming compound and curing compound is approved before use.	Standard Specifications 2021 1006-6.01(C)
11.		A false-work quantlist has been completed.	Construction Bulletin 07-01
12.		When placed in the work, all reinforcement is free of dirt, oil, paint, grease, and heavy rust.	Standard Specifications 2021 605-3.01
13.		Block out for the joint materials (when required) including expanded polystyrene and bituminous are placed at the location noted on the project plan detail sheets.	Project Plan Detail
14.		The steel rails for placing and finishing equipment are set to the correct elevation shown on the project plans or as established by the Engineer.	Standard Specifications 2021 601-3.03 (B)
15.		The Contractor has furnished a minimum of two transverse work bridges from which floating, straight edging, and curing operations may be accomplished.	Standard Specifications 2021 601-3.03 (B)
16.		Prior to concrete placement the screed was traversed the length of the proposed pour and the clearance from the screed to the reinforcing steel and deck thickness were checked. Deflection of the screed rails as a result of the weight on the screed equipment will not be permitted.	Standard Specifications 2021 601-3.03 (B)

17.		The clearance between the steel and the bottom of the screed is as indicated on the project plans with a permissible variation of $\pm$ 1/4 inch. All corrections necessary as a result of this operation are performed prior to beginning the pour.	Standard Specifications 2021 601-3.03 (B)
18.		Screed equipment is designed to operate as close as practical to bridge curbs or other obstructions.	Standard Specifications 2021 601-3.03 (B)
19.		The sequence of concrete placement is being followed as shown on the project plans or as approved by the Engineer.	Standard Specifications 2021 601-3.03 (A)
20.		The operation of the pump is such that a continuous stream of concrete without air pockets is produced. Excessive segregation due to high velocity discharge of the concrete will not be permitted.	Standard Specifications 2021 601-3.03 (C)
21.		Standby equipment will be readily available to replace equipment should a breakdown occur.	Standard Specifications 2021 601-3.03 (C)
22.		Concrete is placed the full width of the panel to be poured. After the concrete is placed, it is consolidated and then struck off by means of self-propelled screed equipment. A slight excess of concrete is maintained in front of the screed at all time during the screeding operation.	Standard Specifications 2021 601-3.03 (B)
23.		The finished surface of the plastic concrete is tested with a 10-foot straightedge placed on the deck surface; decks exposed directly to traffic (no asphaltic concrete friction course) do not vary by more than 1/8 inch when measured from the bottom of the straightedge.	Standard Specifications 2021 601-3.05 (D)
24.		Deck surfaces to be covered with a special riding surface or water proofing membrane do not vary by more than 1/4 inch when measured from the bottom of the straightedge.	Standard Specifications 2021 601-3.05 (D)
25.		Bridge decks to be covered with a special riding surface or waterproofing membrane shall be lightly textured with a burlap drag during the plastic concrete state, after the finishing operation and smoothness test, as specified below, and prior to the curing process.	Standard Specifications 2021 601-3.05 (D)
26.		Grooves shall be placed with tine brooming while the concrete is still plastic; however, if an item for Bridge Deck Texturing (Sawed Grooves) is included in the bidding schedule, the bridge deck, approach slab, and anchor slab shall be textured with sawed grooves after the concrete has been cured.	Standard Specifications 2021 601-3.05 (D)
27.		The finishing operation shall be completed before the water sheen disappears.	Standard Specifications 2021 601-3.05(D)
28.		When saw grooving (texturing) is required, it shall be rectangular in shape and 1/8 inch $\pm$ 1/32 inch deep by 1/8 inch $\pm$ 1/32 inch wide. The spacing of grooves is 3/4 inch $\pm$ 1/8 inch center to center. The textured groove depth will be measured in accordance Arizona Test Method 310.	Standard Specifications 2021 601-4.01

29.		Prior to grooving operations, the contractor shall provide two gauges, designed for verification of groove depth, to the Engineer for approval. The gauges shall be accompanied by the manufacturer's instructions for their use.	Special Provisions 601-3.05 D
30.		During grooving operations, the contractor shall check the groove dimensions under the observation of the Engineer at random locations. If the minimum groove depth has not been achieved, the grooving operation shall stop and the necessary adjustments shall be made.	Special Provisions 601-3.05
31.		Quantlist Minimum Frequency is being followed - one per pour.	Construction Bulletin 07-01