

Inspector Quantlist Report 20250414

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division VI: Structures

Title: Falsework

Structure Name:	Plan Reference Number:
Member:	Station:
Offset:	Plan Approval Date:

Attribute Numbers	Yes, No N/A	Narratives	References
0.		Have all stakeholders participated in the pre-activity meeting?	See Project Special Provisions for pre-activity meeting requirements
1.		Has the contractor submitted to the Engineer, prior to a pre-activity meeting, the methods and sequences of falsework removal, including all equipment the contractor plans to use in removing the falsework?	2021 Standard Specifications 601-3.02 (D),(2) pg. 576
2.		Has the contractor's falsework drawings been reviewed and approved prior to falsework installation?	2021 Standard Specifications 105.03 pg. 67 601-3.01 (A) pg. 566
3.		Have falsework calculations been sealed and signed by a professional engineer who is registered as a Civil or Structural Engineer in the State of Arizona?	2021 Standard Specifications 601-3.02 (B) pg. 570
4.		Has the contractor's falsework safety plan (site Safety Plan) been reviewed and approved by the engineer? (the plan satisfies OSHA guidelines in all construction activities involved in the project)	2021 Standard Specifications 107.08 (B) pg.100
5.		Are the contractor's personnel constructing the falsework utilizing proper safety practices and equipment?	2021 Standard Specifications 107.07 pg.98 OSHA 29 CFR, Part 1926.550, Subpart N, and 1926.955, Subpart V and 29 CFR, Part 1910
6.		Was falsework constructed over or adjacent to roadways or railroads which are open to traffic? (the falsework was designed and constructed so that it is stable if subjected to impact by vehicles)	2021 Standard Specifications 601-3.02 pg. 568
7.		Are falsework posts adjacent to roadways or railroads mechanically connected to its supporting footing at its base, or otherwise laterally restrained?	2021 Standard Specifications 601-3.02 pg. 569

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8.		If falsework spans over roadways, are all exterior falsework stringers, stringers adjacent to the ends of discontinuous caps, stringers over points of minimum vertical clearance, and every fifth remaining stringer, are mechanically connected to the falsework cap or framing?	2021 Standard Specifications 601-3.02 pg. 569
9.		If falsework spans over railroads, are all falsework stringers connected to caps?	2021 Standard Specifications 601-3.02 pg. 569
10.		Is the falsework located so that falsework footings or piles are at least 3 inches clear of railing posts and barriers and all other falsework members are at least 1 foot clear of railing members and barriers?	2021 Standard Specifications 601-3.02 pg. 569
11.		If falsework columns are within 20' of a railroad tracks' centerline, the side facing track has been sheathed solid, between 3' and 17' above the track elevation. Sheathing consists of 5/8" or greater plywood or 1 inch thick or greater lumber?	2021 Standard Specifications 601-3.02 pg. 569
12.		Was the soffit fill compacted to 90% and the top 3 feet compacted to 95%?	2021 Standard Specifications 601-3.02 (A) pg. 570
13.		Are the supports for deck falsework, forming or screed supports NOT welded to steel girders, shear connectors, slab ties, or girder stirrups, Except as provided for on the project plans?	2021 Standard Specifications 601-3.02 (A) pg. 570
14.		Have any modifications of girders to support falsework and forming been approved by the Engineer? (through-holes of any type in girder flanges are not permitted)	2021 Standard Specifications 601-3.02 (A) pg. 570
15.		Have the tops of the erected girders been surveyed by the contractor in the field prior to placement of the deck forming falsework?	2021 Standard Specifications 601-3.02 (A) pg. 570
16.		Are all of the falsework components founded on a solid, firm, stable foundation, protected from undermining and capable of supporting the loads imposed?	2021 Standard Specifications 601-3.02 (B)(1) pg. 571
17.		Have the wedges, screws, and/or jacks used to support the forms, been set to the required grade and are providing a uniform bearing to the false work?	2021 Standard Specifications 601-3.02 (B)(1) pg. 571
18.		Are all wedges in pairs to ensure uniform bearing? Laminated sections are not permitted.	2021 Standard Specifications 601-3.02 (B)(1) pg. 571
19.		Is additional material required under the wedges? Either single blocks or thicker wedges will be required, a sufficient number of wedges is used to cover the entire bearing area.	2021 Standard Specifications 601-3.02 (B)(1) pg. 571
20.		Have telltales been placed to indicate the amount of settlement occurring during the placement of concrete?	2021 Standard Specifications 601-3.02 (B)(1) pg. 571
21.		Are forms made of 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?	2021 Standard Specifications 601-3.02 (C),(1) pg. 572

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22.		Concrete has not been placed in forms prior to contractors Professional Engineer inspecting and issued a signed and sealed certificate that falsework is constructed according to drawings?	2021 Standard Specifications 601-3.02 (B),(2) pg. 571
23.		Does the waste slab meet the requirements for smoothness of 1/4 inch tolerance using a ten-foot straightedge?	2021 Standard Specifications 601-3.02 (C),(3),(d) pg. 574
24.		Has the falsework developed any signs of distress, undue settlement or distortion during the placing of the concrete? If so, has the work been stopped and the falsework corrected and strengthened?	2021 Standard Specifications 601-3.02 (B)(1) pg. 571
25.		Were salvaged beams and other steel members examined for section loss, web penetrations, rivet, or bolt holes, and local deformation that could affect the load carrying capacity?	2025 ADOT Construction Manual 601-13
26.		Are timbers free of noticeable defects for the grades specified (splits, open knots, excessive wane, rot, or cuts)?	2025 ADOT Construction Manual 601-13
27.		Is the size, spacing, length, and grade of materials being used the same as those shown on the approved drawings?	2021 Standard Specifications 601-3.02 (A) pg.567 2025 ADOT Construction Manual pg. 601-13
28.		Are the vertical members plumb and the horizontal member's level?	2025 ADOT Construction Manual pg. 601-13
29.		Are all falsework members in full contact with each other and all connections (bolts and welds) the right grade, size, and at the proper locations?	2025 ADOT Construction Manual pg. 601-13
30.		Has the bracing been installed per drawings, especially where beam compression flanges are called out?	2025 ADOT Construction Manual pg. 601-14
31.		The falsework or forms are not relieved of load and no forms were removed without approval of the Engineer?	2021 Standard Specifications 601-3.02 (D),(1) pg. 575
32.		Was falsework removed in a manner that excessive stress was not induced into the structure?	2021 Standard Specifications 601-3.02 (D),(1) pg. 576
33.		Holes were not drilled into the structure to facilitate removal of the falsework?	2021 Standard Specifications 601-3.02 (D),(1) pg. 576
34.		If round blockouts were used to facilitate removal of false work, did the contractor submit evidence to the Engineer for approval stating that the blockouts are not detrimental to the structure? (The maximum blockout diameter does not exceed six inches)?	2021 Standard Specifications 601-3.02 (D),(1) pg.576
35.		Is the Quantlist Minimum Frequency being followed, when the falsework is being set and then again when taken down?	Construction Bulletin 07-01