

Inspector Quantlist Report 20250602

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division VI: Structures

Title: Post Tensioning - Grouting

Structure Name:	Structure Number:
Sequence Number:	Date Stressed:
Date Grouted:	

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.		Does the type II portland cement conform to the requirements of subsection 1006-2.01 in the Standard Specifications?	2021 Standard Specifications 602-2.03 pg. 603
2.		Was the quality of the grout determined by the Engineer in accordance with the requirements of Arizona Test Method 311? (the efflux time of a grout sample immediately after mixing was not less than 11 seconds)	2021 Standard Specifications 602-3.07 pg. 613
3.		Was prestressing steel for post-tensioning installed in the ducts after completion of concrete curing and if stressing and grouting are completed within 10 calendar days? (rust would not be a factor for rejection during that period)	2021 Standard Specifications 602-3.06 (C) pg. 612
4.		Are the ducts clean and free of dirt, oil, rust, or other deleterious material when installed, before grouting, and when tensioned?	2021 Standard Specifications 602-3.07 pg. 602
5.		Was grout for post-tensioning tendons batched with cement grout using a maximum water-cementitious material ratio of 0.45? (adding water to increase grout flowability that has decreased by delayed use of the grout will not be allowed)	2021 Standard Specifications 602-2.03 pg. 603
6.		If cement grout contains chemical admixtures, were they approved by the Engineer? (admixtures conform to the requirements of Subsection 1006-2.04 of the specifications)	2021 Standard Specifications 602-2.03 pg. 603
7.		Does the water conform to the requirements of subsection 1006-2.02 of the standard specifications?	2021 Standard Specifications 602-2.03 pg. 603
8.		Have all of the tendons in a cast in place concrete structure been fully tensioned and anchored prior to any cutting or grouting operation? (at no time will a cutting torch be allowed for cutting prestressing steel for cast-in-place prestressed structures)	2021 Standard Specifications 602-3.06 (C) pg. 612 602-3.07 pg. 613

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9.		Was the grout mixed in mechanical mixing equipment that will produce uniform and thoroughly mixed grout? (Retempering of grout is not permitted)	2021 Standard Specifications 602-3.07 pg. 613
10.		Did all grout pass through a screen with 1/8-inch maximum clear openings prior to being placed in the grouting equipment and is continuously agitated until it is pumped?	2021 Standard Specifications 602-3.07 pg. 613
11.		Was the maximum temperature of the grout 90 degrees and the minimum 50 degrees?	2021 Standard Specifications 602-3.07 pg. 613
12.		Is the grouting equipment capable of grouting at a pressure of 150 psi, and has a pressure gauge with a full scale reading of not more than 300 psi? (maximum grouting pressure does not exceed 250 psi)	2021 Standard Specifications 602-3.07 pg. 613
13.		Is standby flushing equipment capable of developing a pumping pressure of 250 psi and of sufficient capacity to flush out any partial grouted ducts?	2021 Standard Specifications 602-3.07 pg. 613
14.		Is equipment capable of providing dry, oil free compressed air for removing water from the ducts available at the site?	2021 Standard Specifications 602-3.07 pg. 613
15.		Were the grout injection pipes fitted with positive mechanical shutoff valves capable of withstanding the pumping pressure, and then not removed or opened until the day after the grouting operation?	2021 Standard Specifications 602-3.07 pg. 613
16.		Draped tendons exceeding 400 feet will be vented at all high points. Were the grout vents made of rigid tubing or pipe with threaded fittings and shutoff valves?	2021 Standard Specifications 602-3.07 pg. 613
17.		Was the grout injected at the low end of the duct and continuously wasted at the outlet until no visible slugs of water or air was ejected?	2021 Standard Specifications 602-3.07 pg. 613
18.		Outlet pipes are closed and the duct pressurized: The duct reached a minimum pressure of 75 psi that was maintained for a minimum of one minute; was the valve at the inlet then closed while maintaining this pressure?	2021 Standard Specifications 602-3.07 pg. 613
19.		If complete grouting of the duct cannot be achieved or the grouting operation is interrupted, did the contractor flush the grout out of the duct immediately with water?	2021 Standard Specifications 602-3.07 pg. 613
20.		Was vibration from contractor controlled equipment eliminated within 100 feet during grouting and for a period of 24 hours after grouting?	2021 Standard Specifications 602-3.07 pg. 613
21.		Was the surface of concrete encasement over anchorage assemblies abrasively blast cleaned to expose aggregate after grouting of the ducts have been completed?	2021 Standard Specifications 602-3.07 pg. 613
22.		Quantlist Minimum Frequency is being followed, the first girder, plus once per anchorage to anchorage of structure?	Construction Bulletin 07-01