

INSPECTOR CHECKLIST: 614 - OVERHEAD SIGN STRUCTURES

	Inspection Item	Yes	No	N/A	Remarks
PRE-CONSTRUCTION					
1	Safety Critical/Erection Plan submitted and approved?				
2	Safety Critical/Erection Meeting held?				
3	Shop drawings submitted?				
4	Have existing utilities been located? Marked? Deenergized? Protected? Conflicts resolved? Have equipment offsets from utilities been discussed?				
5	Drilled shafts installed per 503 and inspected? Reviewed and familiar with S-614-60 (Sheet 14 of 14)? No special conditions for caisson foundation that requires special design?				
6	Anchor bolts checked? Bolt and dimensions? Top 10" threaded and top 15" galvanized? Top 10" projecting out of caisson?				
7	Has concrete caisson met required strength prior to setting overhead sign structure?				
CONSTRUCTION					
8	Structure has been inspected for damage and conform to specifications and shop drawings? Dimensions, materials, layouts, cambers, etc.?				
9	Material certifications have been received and documented? Meet Buy America?				
10	CDOT Form 157 has been completed?				
11	Equipment on site matches what was submitted and approved (crane, rigging equipment, crane operator and signaler)?				
12	Verified clearances between bottom of leveling nuts and top of caisson? Verified minimum projection above top of nut?				
13	Anchor bolts tightened to snug fit? Bolts tightened per S-614-50, Sheet 6, Sections A and H?				
14	No load is on the splice bolts?				
15	Contractor's Method for splice bolt testing has been verified with direct tension measuring device per 509.28?				
16	Mounting brackets are connected to tie rods with lock washers? 2 bolts are provided at all Z to mounting bracket connections?				
17	Signs are in the proper locations along mast arm per shop drawing?				
POST-CONSTRUCTION					
18	Are cantilevered signs correctly aligned? Are they at the correct elevation, are they level, and are they centered over the lane of traffic they are directing?				
19	Prior to opening traffic under overhead structures: Vertical clearances have been checked? Contractor's Engineer has inspected signs and safe to open road to traffic?				

PLEASE NOTE THAT THE INTENT OF THESE CONSTRUCTION QUALITY ASSURANCE OBSERVATION CHECKLISTS ARE TO ASK QUESTIONS REGARDING OBSERVATION DUTIES THAT WILL PROMPT THE CONSTRUCTION OBSERVERS TO RESEARCH SOURCE DOCUMENTS TO DETERMINE ANSWERS. THEY DO NOT SERVE AS A REPLACEMENT TO REVIEWING AND KNOWING ALL SPECIFICATIONS AND SOURCE DOCUMENTS. SOURCE DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO: ATSSA QUALITY STANDARDS FOR WORK ZONE TRAFFIC CONTROL DEVICES; M&S STANDARDS; CONSTRUCTION BULLETINS; CONSTRUCTION MANUAL; SURVEY MANUAL; EROSION CONTROL MANUAL; HMA PAVING HANDBOOK; MUTCD; MATERIALS MANUAL; MATERIALS BULLETINS; PROJECT PLANS; STANDARD SPECIFICATIONS; PROJECT SPECIAL PROVISIONS; PROJECT STAND SPECIAL PROVISIONS; ETC. THE OBSERVER SHOULD ALSO CONSULT WITH THE CONSTRUCTION QUALITY ASSURANCE MANAGER AND OTHER EXPERIENCED PERSONNEL IF FURTHER CLARIFICATION IS REQUIRED.