

INSPECTOR CHECKLIST: 618 - GIRDER ERECTION

	Inspection Item	Yes	No	N/A	Remarks
PRE-CONSTRUCTION					
1	Safety Critical/Girder Erection/Falsework Plan submitted and approved? Do inspectors have copies of these submitted and approved plans to reference during girder erection?				
2	Safety Critical/Girder Erection Meeting held?				
3	Girder and falsework drawings submitted?				
4	Have existing utilities been located? Marked? Deenergized? Protected? Conflicts resolved? Have equipment offsets from utilities been discussed?				
5	Abutments and/or piers have been inspected and meet the following requirements: Forms stripped? Concrete has reached 90% compressive strength? Surveys have been submitted?				
6	Bearings have been installed and been checked for the following: Correct dimensions? Correct locations? Correct elevations? Correct slopes? Shimmed as needed?				
7	If applicable, MHTs have been submitted and approved?				
8	If applicable, Contractor's Engineer has inspected and certified falsework conforms to specifications?				
9	Crane staging area is suitable for girder erection? Level? Well-drained? Stable?				
CONSTRUCTION					
10	Equipment on site matches what was submitted and approved (crane, rigging equipment, crane operator and signaler, outrigger pad sizes)?				
11	Girders have been inspected for damage and conform to specifications? Lengths, camber, etc.?				
12	Girder center alignment, orientation, CROSS BRACING , etc. checked? Girders are stabilized?				
13	Girders have CDOT QA Stamp?				
14	If applicable, pedestrian control is in place?				
15	Signs are in the proper locations along mast arm per shop drawing?				
POST-CONSTRUCTION					
16	Girders have been surveyed and are in the correct location and at the correct elevation? Girders have been checked for stabilization and cross bracing?				
17	Prior to opening traffic under girders: Vertical clearances have been checked? Contractor's Engineer has inspected girders and provided stamped written approval of stability of girders?				
<p>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.</p>					