

## Qualification Performance Report (QPR) Field Review

### Drilled Shaft Inspector

Project Name/SR#: \_\_\_\_\_ FPN: \_\_\_\_\_ District/County: \_\_\_\_\_  
 IA Observer: \_\_\_\_\_ Date: \_\_\_\_\_ Start/Finish Time: \_\_\_\_\_

Insp. Name: \_\_\_\_\_ Insp. Phone/Email: \_\_\_\_\_  
 TIN: \_\_\_\_\_ Employer: \_\_\_\_\_  
 Insp. Supervisor: \_\_\_\_\_ Super. Email: \_\_\_\_\_

Date of last field review or FT if it is the first time:

What is "Error/Warning Level" of the previous applicable review:

<b>Pre-Excavation</b>		Yes	No	N/A
1	Does the Inspector have all required documents on the jobsite, as discussed in the Pre-Drilled Shaft Meeting?			
	a. Approved Drilled Shaft Installation Plan			
	b. Approved Mix Design w/ Slump Loss Report			
	c. Specifications (job specific)			
	d. Plans			
	e. Standard Index / Shop Drawings			
2	Does the inspector have the proper forms and tools to perform the inspection (Forms, Tape, Weighted Tape, Level, Other)? Indicate which forms and/or tools were missing: _____			
3	Did the inspector verify the contractors equipment on-site matches the approved equipment in the DSIP? (Rig, Crane, Pump, etc...)			
4	Has the on-site foreman been verified as proposed in the DSIP?			
5	Have the shaft elevations been verified by the inspector?			
6	Was the inspector able to verify elevations?			
<b>Excavation</b>				
7	Did the inspector verify the contractor properly set up the drill rig (rig level, kelly bar plumb, etc...)?			
8	Are the in-out times properly recorded on the drilled shaft log?			
9	Did the inspector properly classify and record the materials on the log as the excavation progressed?			
10	Did the inspector record unforeseen soil conditions (organics, soft zones, voids, etc...)?			
11	Did the inspector record the casing length, diameters, elevations (top and bottom)?*			
12	Did the inspector verify the slurry was premixed?*			
13	Did the inspector verify the slurry testing and record the results?			
14	Did the inspector verify that the slurry testing equipment was calibrated, clean and in good condition before use?			
15	Did the inspector record the time the slurry was introduced?			
16	Was the cleanliness of the shaft bottom properly verified by the inspector just prior to concrete placement (Weighted tape sounding, SID/mini SID, other)?* Indicate method(s) used: _____			

<b>Excavation Continued</b>		Yes	No	N/A
17	Did the inspector verify that the shaft had a flat bottom?			
18	Was the fluid of the shaft sampled and tested before continuing the excavation below the casing, and during excavation in accordance with 455-15.8.1?			
19	Was the fluid of the shaft sampled and tested before placing concrete, at the bottom of the excavation, and at the depth intervals required by 455-15.8.4?			
20	Were the viscosity limits entered correctly into the slurry/fluid testing form?			
21	Did the inspector verify the required head pressure above the highest expected piezometric water table was maintained as required by Specification 455-15.8.2 (Mineral Slurry), or 455-15.8.3 (Polymer Slurry)?			
22	If concrete delivery took more than 1 hour, did the inspector recheck the cleanliness of the bottom later on?			
<b>Rebar Cage / Bolts</b>				
23	Was the rebar cage checked by the inspector, to verify it meets the required specifications in the plans / index?*			
24	Did the inspector verify that the intersecting bars of the rebar cage had been properly tied as required in the specifications /plans / index? *			
25	Have the side spacers and bottom spacers been verified to be the correct model, number, diameter and spacing as required by the specifications and drilled shaft installation plan?*			
26	Did the Inspector verify the cage was tied and supported so that the cage will remain within allowable tolerances?			
27	Have the CSL tubes been verified for spacing, alignment, cleanliness, and the proper number?*			
28	Did the inspector verify that the CSL tubes will tip at the bottom of the hole and that a 30" minimum extension will be provided to facilitate testing?*			
29	Have any splices been verified to be in accordance with Specification 455-16.2?*			
30	Has the inspector verified that all temporary internal stiffeners been removed as the cage was lowered into the shaft?			
31	Have the CSL tubes been filled with water and checked with a mock probe prior to introduction of concrete?*			
32	Did the inspector verify the bolts to be the proper length and diameter as required in the plans / index (if any)?*			
32	Did the inspector verify the top of reinforcement cage to be within tolerance from the plans / index requirement? Indicate Method of supporting cage (Suspended or Supported on bottom spacers):			
<b>Concrete</b>				
33	Did the inspector verify that the end of the pump line or tremie is sealed?*			
34	In wet holes, did the inspector verify that the tremie/pump line had enough weight and length to rest at the bottom of the excavation before starting concrete placement?*			
35	In dry holes, did the inspector verify that the tremie was long enough to avoid more than 5 ft free fall?*			
36	Did the placement of the concrete started within the time limits in the specs to avoid overreaming?			
37	If "NO" to #36, was overreaming performed?			
38	Were the concrete trucks verified for compliance with the transit time?*			

Concrete Continued		Yes	No	N/A
39	Did the concrete slump, temp, water-cement ratio and air content testing pass in the field?			
40	Did the inspector verify that the tremie was embedded at all times at least 10 ft as per specifications?*			
41	Did the inspector verify that the tremie was not leaking prior to use (with a dry cloth or paper attached to the weighted tape)?			
42	Was concrete overpoured until good quality concrete was evident?*			
43	Did the inspector verify that the concrete was placed within the time limits allowed by the slump loss test?*			
44	Have the CSL tubes been verified to still be full of water by the inspector, after completion of concrete placement?*			
45	Was the Drilled Shaft Concrete Volumes Form maintained during concrete placement and plotted correctly? *			
46	Was the elapsed time per 455-17.2 for concrete verified to have been within the slump loss time?*			

	Yes	No
Were all items during this field review performed/demonstrated in accordance with qualification standards?		
If "NO" to above , what is the number of unsatisfactory items with asterisk?		
What is the "Error/Warning Level" ** after this IA field review?		

ADDITIONAL NOTES/COMMENTS FROM THIS FIELD REVIEW:

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\*-Failure in one or more items marked with an asterisk will be grounds for an increase in the "Error/Warning Level"  
 \*\*-"Error/Warning Level": 0-Review has no unsatisfactory items, 1-Verbal, 2-Written, 3-Revocation