

DRILLED SHAFT INSPECTION RECORD FOR ANCILLARY FREEWAY STRUCTURES, HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNAL FOUNDATIONS

DISTRIBUTION: Original – Construction Engineer, Copies – Region Soils/Materials Engineer,
Bureau of Bridges and Structures/Geotechnical Services Section

PROJECT NAME	CONTROL SECTION	JOB NUMBER	DATE
PRIME CONTRACTOR	SUBCONTRACTOR	CONTRACTOR'S ON-SITE REPRESENTATIVE	
CONSTRUCTION ENGINEER	PROJECT ENGINEER	INSPECTOR	
DRILL RIG DETAILS	STRUCTURE NUMBER	SHAFT LOCATION / NUMBER	

DO YOU HAVE A COPY OF THE APPROVED DRILLED SHAFT INSTALLATION PLAN? ☐ YES ☐ NO

SHAFT DETAILS	PLAN	AS BUILT	WAS A DRILLING SLURRY USED? <input type="checkbox"/> YES <input type="checkbox"/> NO		
SHAFT DIAMETER			NOTE: If yes to above question, use only polymer type slurry.		
TOP OF SHAFT ELEVATION			CONCRETE PLACEMENT METHOD <input type="checkbox"/> Free-Fall <input type="checkbox"/> Tremie		
SHAFT LENGTH			NOTES: If placing concrete using tremie methods, the end of the tremie pipe must be within one tremie tube diameter of the base according to Subsection 718.03.H.2 of the <i>Standard Specification for Construction</i> . After reinforcement cage is set, check the shaft depth at the center and around the edge of the shaft. If material entered the shaft after the cage was set, the reinforcement cage needs to be removed and the entire cross-section of the shaft needs to be cleaned according to Subsection 718.03.F.1 of the <i>Standard Specification for Construction</i> .		
CASING DIAMETER (O.D.)					
TOP CASING ELEVATION					
CASING LENGTH					
WAS SHAFT BOTTOM CLEANED IN ACCORDANCE WITH SUBSECTION 718.03.F.1? <input type="checkbox"/> YES <input type="checkbox"/> NO			WATER DEPTH AT START OF CONCRETE PLACEMENT		
DOES REINFORCING CAGE MEET SPECIFICATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO			<table style="width: 100%;"> <tr> <td style="width: 50%;">PLAN CONCRETE VOLUME</td> <td style="width: 50%;">ACTUAL CONCRETE VOLUME</td> </tr> </table>	PLAN CONCRETE VOLUME	ACTUAL CONCRETE VOLUME
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NOTE: USE ONLY NON-CORROSIVE ROUND PLASTIC SPACERS FOR CENTERING REINFORCING CAGE.			<table style="width: 100%;"> <tr> <td style="width: 50%;">GRADE OF CONCRETE <input type="checkbox"/> GRADE T <input type="checkbox"/> GRADE S2</td> <td style="width: 50%;">AIR CONTENT %</td> </tr> </table>	GRADE OF CONCRETE <input type="checkbox"/> GRADE T <input type="checkbox"/> GRADE S2	AIR CONTENT %
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REINFORCING CAGE SUPPORT METHOD <input type="checkbox"/> SUSPENDED <input type="checkbox"/> CONCRETE BLOCKS			SLUMP <input type="checkbox"/> FREE-FALL 6"-8" <input type="checkbox"/> TREMIE 7"-9"		
ARE ANCHOR BOLTS CENTERED CORRECTLY? <input type="checkbox"/> YES <input type="checkbox"/> NO			VARIATION OF DRILLED SHAFT FROM PLUMB (ALLOWED 1%)		
ARE THE ANCHOR BOLTS PLACED IN THE CORRECT ORIENTATION? <input type="checkbox"/> YES <input type="checkbox"/> NO			SHAFT CONDITIONS: <input type="checkbox"/> CLEAN <input type="checkbox"/> CLEAN WITH FRAGMENTS WET <input type="checkbox"/> NOT OBSERVABLE <input type="checkbox"/> OTHER _____		
GROUNDWATER CONDITIONS <input type="checkbox"/> NONE <input type="checkbox"/> SEEPAGE <input type="checkbox"/> CONTINUOUS					

DEPTH & TIME	TYPE OF SOIL/ROCK & COMMENTS (e.g., Water/Seepage, Caving Soil Layers, Obstructions, etc.)

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TRUCK NO.	ACTUAL CONCRETE VOLUME POURED	START TIME	FINISH TIME	WATER/ SLURRY DEPTH (If applicable)	DEPTH TO TOP OF CONCRETE	DEPTH OF TREMIE TUBE INTO CONCRETE (If applicable)	NOTES (Delays, Additives, Breaching, Casing Removal)

OTHER COMMENTS: (Drilling equipment changes, contractor communications, weather, concrete operations, changes to design, etc. See Standard Specification Section 718 for additional details on drilled shaft construction).