

## MICROPILE INSTALLATION RECORD

**DISTRIBUTION: ORIGINAL** – Construction Engineer, **COPIES:** Bureau of Bridges and Structures - Geotechnical Construction Engineer

PROJECT NAME	DATE
CONTROL SECTION	JOB NUMBER
CONSTRUCTION ENGINEER	PROJECT ENGINEER
INSPECTOR	PRIME CONTRACTOR
SUBCONTRACTOR	SUPERINTENDENT

Micropile Location	Load Details	Pile Elevation Details	Design	As-Built
Bridge	Design Load	Pile Cutoff Elevation		
Unit	Compress	Pile Tip Elevation		
Pile No.	Tension	Bottom of Casing Elevation		
TOC Working Elev. (Pile Driving / Grouting):		<b>Installation Details</b>		<b>Date</b>
Remarks		Start of Drilling		<b>Time</b>
		End of Drilling		
Pile Inclination (degrees)	<b>Design</b>	<b>As-Built</b>	Start of Grouting	
Casing Dia. & Wall Thickness			End of Grouting	
Reinforcement Size & Length			Pile Completion	
Casing Length Below Cutoff Elev.			Total Duration (hr)	
Bond Length Below Casing				<b>NOTE: TOC = Top of Casing</b>
Total Pile Length Below Cutoff Elev.				
Casing Length Above Cutoff Elev.				

### DRILLING OPERATION

Drill Method	Drill Rig Number	Drill Casing Length (ft)
Drill Bit Type and Size	Drill Operator	

Time	Length from TOC Elev.	Soil / Rock Description	Flush Return Description	Comments

### GROUTING OPERATION

Drill Rig No. / Drill Operator	Cement Type	
Grout Supplier	Admixtures	
Theoretical Pile Volume (cyd)	W/C Ratio	
Tremie Grout Volume	Specific Gravity	
Pressure Grout Volume	Stroke Volume (cft/stroke)*	
Grout After Casing Plunge	Total Grout Pump Strokes*	Inside Casing Dia. (ft)
Total Grout Take (cyd)	Grout Ratio (cyd/ft bond)	

Length from TOC Elevation	Pressure Range Max/Average (PSI)	Stroke Count*	Comments

NOTES

\* Alternatively, the number of grout bags used could be recorded depending on the grouting operation.