Clear Form

Michigan Department
Of Transportation
1989 (02/13)

MICROPILE INSTALLATION RECORD

DISTRIBUTION: Original – Construction Engineer, **Copies:** Construction Field Services – 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):				**Installation Details**	**Date**	**Time**
Remarks				Start of Drilling		

	Design	As-Built			
			End of Drilling		
Pile Inclination (degrees)					
Casing Dia. & Wall Thickness			Start of Grouting		
Reinforcement Size & Length			End of Grouting		
Casing Length Below Cutoff Elev.					
Bond Length Below Casing			Pile Completion		
Total Pile Length Below Cutoff Elev.			Total Duration (hr)		**NOTE:** TOC = Top of Casing
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.