Arizona Department of Transportation

Drilled Shaft Concrete Placement Chart (attach to Drilled Shaft Inspection Report)

Project Number: _____ Date: _____
Structure Name: _____
Structure Number: _____ Inspector: _____
Foundation Location: _____ Shaft No.: _____

Shaft Diameter (FT): _____ Actual Shaft Depth (FT): _____
(all linear measurements are in feet; volume measurements are in cubic yards)

Load Number	Volume Delivered	Depth of Concrete	Time of Measurement	Volume in Mixer	Cumulative Volume	Theroretical Volume	Difference in Volume
0	*0*	*0.00*		0.00	*0.00*	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
					0.00	*0.00*	*0.00*
				Total Overbreak	*0.00%*		+ = bulging
(each load contained 10 cubic yards total)							- = necking

Remarks: _____

Instructions:

1. The Resident Engineer may need to customize this form.
2. Depth measurements should be taken at 3 foot maximum intervals when cave-in potential is high. 6 foot intervals may be used elsewhere.
3. See Section 4.5.5 of the Drilled Shaft Inspector's Manual for further information on how to complete concrete placement charts.
4. "Cumulative Volume" can be measured alternatively by counting pump strokes, but the spreadsheet formulas must be modified.
5. Spreadsheet cell *formula* are identified by *italic lettering.*
6. Spreadsheet *formula* for "Cumulative Volume" will sum "Volume Delivered". "Volume Delivered" must only be enter once per "load Number". Do not repeat by entering the same load more than once, or it will cause an error.
7. Spreadsheet *formula* for "Theroretical Volume" use the "Shaft Diameter" value and the "Actual Shaft Depth" value. Units for both values must be feet.