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| DOTLOGO2 |  **Drilled Shaft Concrete** **Placement Log** |

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|  |
| Structure Number |       | Date Poured |       | Route |       |
| Abutment/Pier No. |       | Inspection By |       | Section |       |
| Shaft Number |       | Calculated By |       | County |       |
| Concrete Contractor  |       | Checked By |       | Contract |       |
| Placement Method (Free fall, Tremie, or Pump) |       |  Elev. of Water Inside Shaft Excavation at start of pour |       |
| Volume of Pump Lines |       |  De-Airing Method (Relief Valve, Tremie Plug, or Tremie Cap) |       |
|  |  |  |

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| --- |
| As drilled shaft layout sketch with shafts numbered, north arrow included, and significant deviations from plan locations noted       |
| Truck No. | Truck ArrivalTime | PourStartTime | PourCompleteTime | DeliveredConcreteVolume | Concrete In Lines Volume | Concrete in Shaft Volume | Concrete Surface Elevation | Plan Dia. Shaft Volume | Over Pour Percent | Pour Notes:(Tremie Pullout, Cage Movement, Hole Collapse, Slump test, etc.) |
|       |       |       |       |       |       |       |       |       |       |       |
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|  Total Placement |  Total Volume |  Total Volume in  |  Total % Over |  Over Fill Volume to Expel Watery or |
|  Time: |       |  |  Delivered: |       |  | Shaft: |       |  |  Pour:  |       | % |  Dirty Concrete From Shaft: |       |  |
|  |  |  |  |  |
|  |  Deviations from Shaft Installation Plan:       |
| Permanent Casing |  |
| Diameter:  |       |  |  |
| Top Elevation: |       |  |  |
| Bottom Elevation: |       |  |
|  |  |
|  |  Problems, Concerns, or Comments Documenting Overall Shaft Placement :        |
| Removable forms |  |
| Diameter: |       |  |  |
| Top Elevation: |       |  |  |
| Bottom Elevation: |       |  |  |
|  |  |

**DRILLED SHAFT CONCRETE CURVE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Structure #: |       | Abutment/Pier #: |       | Shaft #: |       |
|  |
| Contract #: |       | Date Poured: |       | Plotted By: |       |
|  |
| Prior to pouring concrete, plot the theoretical concrete surface vs. theoretical concrete volume placed. During concrete placement, plot the actual concrete surface vs. the actual concrete volume placed. |

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**MEASURED DEPTH (Feet)**

**CONCRETE VOLUME PLACED (Cubic Yards)**

|  |  |  |  |
| --- | --- | --- | --- |
| Volume Delivered (VD) | VD |       | cubic yards |
| Volume in Lines (VL) | VL |       | cubic yards |
| Volume Wasted (VW) | VW |       | cubic yards |
| Volume Placed (VP) = VD-VL-VW | VP |       | cubic yards |
| Volume Theoretical\* (VT) = (($π$r²)x(shaft length))÷27 | VT |       | cubic yards |
| Over Pour (OP) = VP-VT | OP |       | cubic yards |

\*Radius and shaft length are measured in feet, and division by 27 converts to cubic yards. A deduction for reinforcement bars, etc. is not required.

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| Comments: |       |