|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DOTLOGO2 | | | **IBR Worksheet** | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| Test ID No. |  | | Date | | | |  | | | | | | |
|  | | | | | | | | | | | | | |
| Cylinder No. | |  | | |  | | | |  | | |  | |
| Standard Dry Density (pcf) | |  | | |  | | | |  | | |  | |
| Optimum Moisture | |  | | |  | | | |  | | |  | |
| Mold Factor @ 4.50” Sample Height | |  | | |  | | | |  | | |  | |
| Calculated Dry Soil in Cylinder | |  | | |  | | | |  | | |  | |
| Calculated Wet Soil in Cylinder | |  | | |  | | | |  | | |  | |
| Cylinder wt. w/ Solid Plate | |  | | |  | | | |  | | |  | |
| Cylinder wt. w/ Solid Plate & Wet Soil | |  | | |  | | | |  | | |  | |
| Cylinder wt. w/ Solid Plate & Compacted Soil | |  | | |  | | | |  | | |  | |
| Water Loss due to leakage and/or pooling (cc) | |  | | |  | | | |  | | |  | |
| Cylinder wt. w/ Perf. Plate | |  | | |  | | | |  | | |  | |
| Cylinder wt. w/ Perf. Plate & Compctd. Soil (calc.) | |  | | |  | | | |  | | |  | |
| Cylinder wt. w/ Perf. Plate & Compctd. Soil (actual) | |  | | |  | | | |  | | |  | |
| Material Loss due to Plate Transfer | |  | | |  | | | |  | | |  | |
| Cylinder wt. w/ Perf. Plate & Soaked Soil | |  | | |  | | | |  | | |  | |
| Distance from Top of Cylinder to Sample | |  | | |  | | | |  | | |  | |
| Initial Dial Reading | |  | | |  | | | |  | | |  | |
| Final Dial Reading | |  | | |  | | | |  | | |  | |
| Percent Swell | |  | | |  | | | |  | | |  | |
| Applied Load @ | | Load (lbs) | | IBR | Load (lbs) | | | IBR | | Load (lbs) | IBR | Load (lbs) | IBR |
| 0.025” Penetration | |  | |  |  | | |  | |  |  |  |  |
| 0.050” Penetration | |  | |  |  | | |  | |  |  |  |  |
| 0.075” Penetration | |  | |  |  | | |  | |  |  |  |  |
| 0.100” Penetration | |  | |  |  | | |  | |  |  |  |  |
| 0.150” Penetration | |  | |  |  | | |  | |  |  |  |  |
| 0.200” Penetration | |  | |  |  | | |  | |  |  |  |  |
| 0.250” Penetration | |  | |  |  | | |  | |  |  |  |  |
| 0.300” Penetration | |  | |  |  | | |  | |  |  |  |  |
| 0.350” Penetration | |  | |  |  | | |  | |  |  |  |  |
| 0.400” Penetration | |  | |  |  | | |  | |  |  |  |  |
| 0.450” Penetration | |  | |  |  | | |  | |  |  |  |  |
| 0.500” Penetration | |  | |  |  | | |  | |  |  |  |  |
| Compacted / Molded Moisture Wet + Tare | |  | | | |  | | | |  | |  | |
| Dry + Tare | |  | | | |  | | | |  | |  | |
| Tare | |  | | | |  | | | |  | |  | |
| Moisture % | |  | | | |  | | | |  | |  | |
| Dry wt. of Compacted Sample | |  | | | |  | | | |  | |  | |
| Molded wt. (reflects water loss) | |  | | | |  | | | |  | |  | |
| Soaked wt. | |  | | | |  | | | |  | |  | |
| Dry Density of Compacted Sample (pcf) | |  | | | |  | | | |  | |  | |
| Molded Density (pcf …reflects water loss) | |  | | | |  | | | |  | |  | |
| Molded Moisture % (reflects water loss) | |  | | | |  | | | |  | |  | |
| Soaked Density (pcf) | |  | | | |  | | | |  | |  | |
| Soaked Moisture % | |  | | | |  | | | |  | |  | |
| Top 1” Moisture Wet + Tare | |  | | | |  | | | |  | |  | |
| Dry + Tare | |  | | | |  | | | |  | |  | |
| Tare | |  | | | |  | | | |  | |  | |
| Moisture % | |  | | | |  | | | |  | |  | |