|  |  |
| --- | --- |
| DOTLOGO2 |  **Dynamic Cone Penetration Test** |
|  |
|  Date: |       |  County: |       |
|  |
|  Weather: |       |  Section: |       |
|  |
|  Inspector: |       |  Route: |       |
|  |
|  Company (Consultants): |       |  District: |       |
|  |
|  Design No.: |       |  Contract No.: |       |
|  |
|  Sheet No.: |       |  Job No.: |       |
|  |
|  Contractor: |       |  Project: |       |
|  |
|  |
| Test Location aand Remarks b | InitialDepth |  [ ]  Subgrade [ ]  Foundation |
|       |       | Depth c |       |       |       |       |       |       |
|  |  | Blows |       |       |       |       |       |       |
|  |  | Rate d |       |       |       |       |       |       |
|  |  | IBV |       |       |       |       |       |       |
|  |  | Qu |       |       |       |       |       |       |
|       |       | Depth |       |       |       |       |       |       |
|  |  | Blows |       |       |       |       |       |       |
|  |  | Rate |       |       |       |       |       |       |
|  |  | IBV |       |       |       |       |       |       |
|  |  | Qu |       |       |       |       |       |       |
|       |       | Depth |       |       |       |       |       |       |
|  |  | Blows |       |       |       |       |       |       |
|  |  | Rate |       |       |       |       |       |       |
|  |  | IBV |       |       |       |       |       |       |
|  |  | Qu |       |       |       |       |       |       |
|       |       | Depth |       |       |       |       |       |       |
|  |  | Blows |       |       |       |       |       |       |
|  |  | Rate |       |       |       |       |       |       |
|  |  | IBV |       |       |       |       |       |       |
|  |  | Qu |       |       |       |       |       |       |
|       |       | Depth |       |       |       |       |       |       |
|  |  | Blows |       |       |       |       |       |       |
|  |  | Rate |       |       |       |       |       |       |
|  |  | IBV |       |       |       |       |       |       |
|  |  | Qu |       |       |       |       |       |       |
|  |
|  |
| a Indicate station and offset. | Rate | IBV | Qu\* | Rate | IBV | Qu\* |
| b Include soil type, moisture, rutting, or cut/fill  information as applicable. | 0.5 | 17 | 5.4 | 1.3 | 5 | 1.6 |
|  | 0.6 | 13 | 4.2 | 1.5 | 4 | 1.3 |
| c Depth is cumulative in inches. | 0.7 | 11 | 3.5 | 2.0 | 3 | 1.0 |
| d Rate is inches of penetration per blow. | 0.8 | 9 | 2.9 | 2.6 | 2 | 0.6 |
|  | 0.9 | 8 | 2.6 | 3.0 | 1.7 | 0.5 |
| Comments:      | 1.0 | 7 | 2.2 | 3.3 | 1.5 | 0.5 |
|  | 1.1 | 6 | 1.9 | 4.6 | 1 | 0.3 |
|  | 1.2 | 5.5 | 1.8 | >4.6 | <1 | <0.3 |
|  |
|  \*Qu value calculated from IBV whole number. |
|  |
|  IBV = 100.84 – 1.26 x LOG(Rate) | Qu (tsf) = 0.32 x IBV |