

## Zestawienie parametrów wydzielonych warstw na podstawie soncy CPT-u

Opinia geotechniczna z Dokumentacją badań podłoża gruntowego dla zadania pt. "Przebudowa mostu w ciągu drogi wojewódzkiej nr 421 w km 5+307 w m.  
Dzielawy wraz z dojazdami"

### CPT-u O1

| Strop | Spag  | Symbol   | qc     | fs    | u       | Rf    | qt     | ID    | IL    | Fi     | Su    | Eoed   |
|-------|-------|----------|--------|-------|---------|-------|--------|-------|-------|--------|-------|--------|
| m     | m     |          | MPa    | MPa   | MPa     | %     | MPa    |       |       | deg    | MPa   | MPa    |
| 0.00  | 0.25  | Gb       | 1.094  | 0.030 | 0.0115  | 3.338 | 1.096  |       |       |        |       |        |
| 0.25  | 0.80  | Gp       | 1.690  | 0.032 | -0.0094 | 1.997 | 1.688  |       | 0.180 |        | 0.085 | 8.578  |
| 0.80  | 1.35  | Gp       | 0.387  | 0.011 | 0.0148  | 2.904 | 0.390  |       | 0.419 |        | 0.019 | 1.957  |
| 1.35  | 2.50  | Gp       | 0.745  | 0.016 | 0.0134  | 2.478 | 0.747  |       | 0.313 |        | 0.035 | 3.709  |
| 2.50  | 3.25  | Nmg/GH   | 0.446  | 0.013 | 0.0277  | 2.926 | 0.451  |       | 0.394 |        | 0.020 | 2.230  |
| 3.25  | 5.40  | Nmg/Torf | 0.463  | 0.025 | 0.0385  | 5.371 | 0.471  |       | 0.386 |        | 0.020 | 2.315  |
| 5.40  | 6.10  | Gpi      | 1.311  | 0.042 | -0.0213 | 3.197 | 1.307  |       | 0.209 |        | 0.060 | 6.489  |
| 6.10  | 6.60  | Gpi      | 1.045  | 0.032 | -0.0548 | 3.161 | 1.033  |       | 0.236 |        | 0.046 | 5.256  |
| 6.60  | 7.20  | Pi/Gpi   | 1.559  | 0.036 | -0.0440 | 2.349 | 1.550  |       | 0.166 |        | 0.071 | 7.776  |
| 7.20  | 7.70  | Pi/Gpi   | 0.796  | 0.016 | -0.0387 | 2.137 | 0.788  |       | 0.288 |        | 0.033 | 3.975  |
| 7.70  | 8.05  | Ps       | 3.059  | 0.018 | -0.0151 | 0.608 | 3.056  | 0.165 |       | 24.719 |       | 11.981 |
| 8.05  | 8.95  | Ps       | 8.744  | 0.053 | 0.0465  | 0.615 | 8.754  | 0.496 |       | 31.151 |       | 34.871 |
| 8.95  | 9.50  | Ps       | 7.218  | 0.034 | 0.0911  | 0.470 | 7.237  | 0.443 |       | 29.999 |       | 28.969 |
| 9.50  | 10.95 | Ps/Pd    | 9.077  | 0.045 | 0.1046  | 0.489 | 9.099  | 0.514 |       | 30.705 |       | 36.320 |
| 10.95 | 12.45 | Pd       | 11.837 | 0.077 | 0.1190  | 0.648 | 11.862 | 0.595 |       | 31.458 |       | 47.349 |
| 12.45 | 15.00 | Pd       | 16.587 | 0.127 | 0.1344  | 0.766 | 16.615 | 0.698 |       | 32.573 |       | 58.012 |

### CPT-u O2

| Strop | Spag  | Symbol   | qc     | fs    | u       | Rf    | qt     | ID    | IL    | Fi     | Su    | Eoed   |
|-------|-------|----------|--------|-------|---------|-------|--------|-------|-------|--------|-------|--------|
| m     | m     |          | MPa    | MPa   | MPa     | %     | MPa    |       |       | deg    | MPa   | MPa    |
| 0.00  | 0.45  | Gb       | 1.804  | 0.024 | -0.0045 | 3.691 | 1.803  |       |       |        |       |        |
| 0.45  | 1.10  | Gp/Pg    | 0.720  | 0.013 | -0.0048 | 2.132 | 0.719  |       | 0.304 |        | 0.038 | 3.844  |
| 1.10  | 1.60  | Gp/Nmg   | 0.337  | 0.008 | -0.0036 | 2.557 | 0.336  |       | 0.447 |        | 0.016 | 1.746  |
| 1.60  | 2.45  | Gp/Pg    | 1.305  | 0.017 | 0.0127  | 1.789 | 1.308  |       | 0.225 |        | 0.063 | 6.515  |
| 2.45  | 4.85  | Nmg/Torf | 0.393  | 0.024 | 0.0320  | 5.753 | 0.400  |       | 0.418 |        | 0.017 | 1.966  |
| 4.85  | 5.35  | Gpi      | 0.372  | 0.012 | 0.0298  | 3.122 | 0.378  |       | 0.436 |        | 0.014 | 1.813  |
| 5.35  | 6.00  | Gpi      | 1.251  | 0.044 | -0.0354 | 3.529 | 1.243  |       | 0.211 |        | 0.056 | 6.118  |
| 6.00  | 6.40  | Gpi/Pi   | 0.688  | 0.019 | -0.0410 | 2.856 | 0.679  |       | 0.312 |        | 0.029 | 3.466  |
| 6.40  | 6.85  | Gpi/Pi   | 1.331  | 0.032 | -0.0467 | 2.437 | 1.322  |       | 0.195 |        | 0.060 | 6.631  |
| 6.85  | 7.80  | Pi       | 0.857  | 0.015 | -0.0249 | 1.925 | 0.852  |       | 0.281 |        | 0.035 | 4.231  |
| 7.80  | 9.85  | Ps       | 16.746 | 0.082 | 0.0682  | 0.529 | 16.760 | 0.659 |       | 33.833 |       | 58.235 |
| 9.85  | 10.20 | Ps       | 6.842  | 0.041 | 0.0946  | 0.603 | 6.862  | 0.427 |       | 29.256 |       | 27.512 |
| 10.20 | 13.60 | Pd       | 17.257 | 0.126 | 0.1173  | 0.728 | 17.281 | 0.708 |       | 33.547 |       | 60.140 |