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

**zał. 5**

*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 |