

Zakázka: Mikulov - Hasička, parc. 1603

Datum: 06.03.2019

Je doporučeno využívat tmavé podbarvené a tm. zelené sloupce

DPH 1

hloubka sondy H 10.7 m
hladina vody HPV 2 m
obj. hm. vody γ_{H2O} 9.81 kN/m³
hmotnost beranu Mh 50 kg
pád beranu Hh 0.5 m
hmotnost válce Ma 17 kg
hmotnost tyče Mt 4.75 kg
gravit. zrychlení g 9.81 m/s²
úhel hrotu α 90 deg
průměr hrotu D 0.04 m
plocha kužele A 0.002 m²

Vyhodnotil: I. Poul
Podle: ČSN EN1997-2, ČSN EN ISO 22476-2

přepočet IC ID cu
0.01 5 1

| H | γ | Np | Npc | typ zem. | S | Npcc | Nc | N60 | IC | ID | cu | φ _{ef} (°) | rd | tyč | qd | σ | u | σ _{vo} | w1 | Eoed (MPa) | v | β | Edef (MPa) | J1 | J1I neogenní (NG) | Prach (Pr) | Písek (jmozný) (j _{jm}) | Písek (P) | Štěrk (jmozný) (š _{jm}) | Štěrk hrubozrný (š) | Konstence (IC) podle qd | Ulehlost písek + štěr. | Stanoveno v laboratoři | Podle qdyn | Ulehlost P nař/pod HPV ČSN EN 1997-2 | Kombinace podle qdyn | |
|-----|-----|----|-----|----------|---|------|----|-----|------|------|-------|---------------------|------|------|------|-------|-------|-----------------|-----|------------|------|-------|------------|------|-------------------|------------|-----------------------------------|-----------|-----------------------------------|---------------------|-------------------------|------------------------|------------------------|------------|--------------------------------------|----------------------|-----|
| (m) | kN/ | | | | | | | | | | (kPa) | (°) | | | MPa | (kPa) | kPa | kPa | | (MPa) | | (MPa) | | | | | | | | | | | | | | | |
| 0.0 | 16 | 1 | 0.0 | S | 2 | 0.5 | 1 | 1 | - | - | 23 | 37 | 0.8 | 1.00 | 0.6 | 0.2 | 0 | 0.2 | 161 | 11.5 | 0.37 | 0.55 | 6.3 | 0.1 | 0.9 | 1.0 | 1.7 | 2.3 | 2.8 | 4.0 | - | 0.12 | - | - | 24 | -0.01 | 4.0 |
| 0.1 | 16 | 4 | | S | 2 | 0.5 | 4 | 7 | - | 0.31 | 100 | 39 | 5.7 | 1.00 | 4.0 | 1.8 | 0 | 1.8 | 311 | 22.5 | 0.31 | 0.72 | 16.2 | 3.4 | 6.0 | 7.2 | 12.0 | 16.0 | 19.9 | 27.9 | - | 0.21 | - | 33 | 0.36 | 27.9 | |
| 0.2 | 16 | 19 | | S | 2 | 0.5 | 19 | 37 | - | 0.81 | 484 | 44 | 30.2 | 1.00 | 21.1 | 3.4 | 0 | 3.4 | 479 | 35.2 | 0.25 | 0.83 | 29.3 | 20.5 | 31.6 | 37.9 | 63.2 | 84.3 | 105.4 | 147.5 | - | 0.66 | - | 42 | 0.68 | 147.5 | |
| 0.3 | 16 | 9 | | P | 2 | 0.5 | 9 | 17 | - | 0.55 | 228 | 41 | 13.9 | 1.00 | 9.7 | 5.0 | 0 | 5.0 | 399 | 29.7 | 0.28 | 0.78 | 23.3 | 9.1 | 14.5 | 17.4 | 29.1 | 38.7 | 48.4 | 67.8 | - | 0.36 | - | 38 | 0.53 | 38.7 | |
| 0.4 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.48 | - | 48 | 18 | 2.5 | 1.00 | 1.7 | 6.6 | 0 | 6.6 | 62 | 4.4 | 0.41 | 0.44 | 2.0 | 1.1 | 2.6 | 3.1 | 5.1 | 6.8 | 8.5 | 12.0 | 0.63 | 0.15 | - | - | - | 1.1 | |
| 0.5 | 16 | 2 | 0.3 | J | 2 | 0.5 | 2 | 3 | 0.48 | - | 48 | 18 | 2.5 | 1.00 | 1.7 | 8.2 | 0 | 8.2 | 62 | 4.5 | 0.41 | 0.44 | 2.0 | 1.1 | 2.6 | 3.1 | 5.1 | 6.8 | 8.5 | 12.0 | 0.63 | 0.15 | - | - | - | 1.1 | |
| 0.6 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.48 | - | 48 | 18 | 2.5 | 1.00 | 1.7 | 9.8 | 0 | 9.8 | 62 | 4.6 | 0.41 | 0.44 | 2.0 | 1.1 | 2.6 | 3.1 | 5.1 | 6.8 | 8.5 | 12.0 | 0.63 | 0.15 | - | - | - | 1.1 | |
| 0.7 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.48 | - | 48 | 18 | 2.5 | 1.00 | 1.7 | 11.4 | 0 | 11.4 | 62 | 4.6 | 0.41 | 0.44 | 2.1 | 1.1 | 2.6 | 3.1 | 5.1 | 6.8 | 8.5 | 12.0 | 0.63 | 0.15 | - | - | - | 1.1 | |
| 0.8 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.48 | - | 48 | 18 | 2.5 | 1.00 | 1.7 | 13.0 | 0 | 13.0 | 62 | 4.7 | 0.41 | 0.44 | 2.1 | 1.1 | 2.6 | 3.1 | 5.1 | 6.8 | 8.5 | 12.0 | 0.63 | 0.15 | - | - | - | 1.1 | |
| 0.9 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.48 | - | 48 | 18 | 2.5 | 1.00 | 1.7 | 14.6 | 0 | 14.6 | 62 | 4.8 | 0.41 | 0.44 | 2.1 | 1.1 | 2.6 | 3.1 | 5.1 | 6.8 | 8.5 | 12.0 | 0.63 | 0.15 | - | - | - | 1.1 | |
| 1.0 | 16 | 4 | 0.5 | J | 2 | 0.5 | 4 | 7 | 0.94 | - | 94 | 19 | 5.7 | 2.00 | 3.7 | 16.2 | 0 | 16.2 | 74 | 5.8 | 0.40 | 0.46 | 2.7 | 3.2 | 5.6 | 6.7 | 11.2 | 15.0 | 18.7 | 26.2 | 0.93 | 0.21 | - | - | - | 3.2 | |
| 1.1 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.46 | - | 46 | 18 | 2.5 | 2.00 | 1.6 | 17.8 | 0 | 17.8 | 62 | 4.9 | 0.41 | 0.44 | 2.2 | 1.0 | 2.4 | 2.9 | 4.8 | 6.4 | 8.0 | 11.2 | 0.61 | 0.15 | - | - | - | 1.0 | |
| 1.2 | 16 | 3 | | J | 2 | 0.5 | 3 | 5 | 0.70 | - | 70 | 19 | 4.1 | 2.00 | 2.7 | 19.4 | 0 | 19.4 | 68 | 5.5 | 0.40 | 0.45 | 2.5 | 2.1 | 4.0 | 4.8 | 8.0 | 10.7 | 13.4 | 18.7 | 0.78 | 0.18 | - | - | - | 2.1 | |
| 1.3 | 16 | 3 | | J | 2 | 0.5 | 3 | 5 | 0.70 | - | 70 | 19 | 4.1 | 2.00 | 2.7 | 21.0 | 0 | 21.0 | 68 | 5.6 | 0.40 | 0.45 | 2.5 | 2.1 | 4.0 | 4.8 | 8.0 | 10.7 | 13.4 | 18.7 | 0.78 | 0.18 | - | - | - | 2.1 | |
| 1.4 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.46 | - | 46 | 18 | 2.5 | 2.00 | 1.6 | 22.6 | 0 | 22.6 | 62 | 5.1 | 0.41 | 0.44 | 2.3 | 1.0 | 2.4 | 2.9 | 4.8 | 6.4 | 8.0 | 11.2 | 0.61 | 0.15 | - | - | - | 1.0 | |
| 1.5 | 16 | 2 | 0.5 | J | 2 | 0.5 | 2 | 3 | 0.46 | - | 46 | 18 | 2.5 | 2.00 | 1.6 | 24.2 | 0 | 24.2 | 62 | 5.2 | 0.41 | 0.44 | 2.3 | 1.0 | 2.4 | 2.9 | 4.8 | 6.4 | 8.0 | 11.2 | 0.61 | 0.15 | - | - | - | 1.0 | |
| 1.6 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.46 | - | 46 | 18 | 2.5 | 2.00 | 1.6 | 25.8 | 0 | 25.8 | 62 | 5.3 | 0.41 | 0.44 | 2.3 | 1.0 | 2.4 | 2.9 | 4.8 | 6.4 | 8.0 | 11.2 | 0.61 | 0.15 | - | - | - | 1.0 | |
| 1.7 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.46 | - | 46 | 18 | 2.5 | 2.00 | 1.6 | 27.4 | 0 | 27.4 | 62 | 5.3 | 0.41 | 0.44 | 2.4 | 1.0 | 2.4 | 2.9 | 4.8 | 6.4 | 8.0 | 11.2 | 0.61 | 0.15 | - | - | - | 1.0 | |
| 1.8 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.46 | - | 46 | 18 | 2.5 | 2.00 | 1.6 | 29.0 | 0 | 29.0 | 62 | 5.4 | 0.41 | 0.44 | 2.4 | 1.0 | 2.4 | 2.9 | 4.8 | 6.4 | 8.0 | 11.2 | 0.61 | 0.15 | - | - | - | 1.0 | |
| 1.9 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.46 | - | 46 | 18 | 2.5 | 2.00 | 1.6 | 30.6 | 0 | 30.6 | 62 | 5.5 | 0.41 | 0.44 | 2.4 | 1.0 | 2.4 | 2.9 | 4.8 | 6.4 | 8.0 | 11.2 | 0.61 | 0.15 | - | - | - | 1.0 | |
| 2.0 | 16 | 2 | 0.5 | J | 2 | 0.5 | 2 | 3 | 0.44 | - | 44 | 18 | 2.5 | 3.00 | 1.5 | 32.2 | 0 | 32.2 | 62 | 5.5 | 0.41 | 0.44 | 2.5 | 0.9 | 2.3 | 2.7 | 4.5 | 6.0 | 7.5 | 10.6 | 0.59 | 0.15 | - | - | - | 0.9 | |
| 2.1 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.44 | - | 44 | 18 | 2.5 | 3.00 | 1.5 | 33.8 | 0.981 | 32.8 | 62 | 5.6 | 0.41 | 0.44 | 2.5 | 0.9 | 2.3 | 2.7 | 4.5 | 6.0 | 7.5 | 10.6 | 0.59 | 0.15 | - | - | - | 0.9 | |
| 2.2 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.44 | - | 44 | 18 | 2.5 | 3.00 | 1.5 | 35.4 | 1.962 | 33.4 | 62 | 5.7 | 0.41 | 0.44 | 2.5 | 0.9 | 2.3 | 2.7 | 4.5 | 6.0 | 7.5 | 10.6 | 0.59 | 0.15 | - | - | - | 0.9 | |
| 2.3 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.44 | - | 44 | 18 | 2.5 | 3.00 | 1.5 | 37.0 | 2.943 | 34.0 | 62 | 5.7 | 0.41 | 0.44 | 2.5 | 0.9 | 2.3 | 2.7 | 4.5 | 6.0 | 7.5 | 10.6 | 0.59 | 0.15 | - | - | - | 0.9 | |
| 2.4 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.44 | - | 44 | 18 | 2.5 | 3.00 | 1.5 | 38.6 | 3.924 | 34.6 | 62 | 5.8 | 0.41 | 0.44 | 2.6 | 0.9 | 2.3 | 2.7 | 4.5 | 6.0 | 7.5 | 10.6 | 0.59 | 0.15 | - | - | - | 0.9 | |
| 2.5 | 16 | 2 | 0.5 | J | 2 | 0.5 | 2 | 3 | 0.44 | - | 44 | 18 | 2.5 | 3.00 | 1.5 | 40.2 | 4.905 | 35.3 | 62 | 5.8 | 0.41 | 0.44 | 2.6 | 0.9 | 2.3 | 2.7 | 4.5 | 6.0 | 7.5 | 10.6 | 0.59 | 0.15 | - | - | - | 0.9 | |
| 2.6 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.44 | - | 44 | 18 | 2.5 | 3.00 | 1.5 | 41.8 | 5.886 | 35.9 | 62 | 5.9 | 0.41 | 0.44 | 2.6 | 0.9 | 2.3 | 2.7 | 4.5 | 6.0 | 7.5 | 10.6 | 0.59 | 0.15 | - | - | - | 0.9 | |
| 2.7 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.44 | - | 44 | 18 | 2.5 | 3.00 | 1.5 | 43.4 | 6.867 | 36.5 | 62 | 6.0 | 0.41 | 0.44 | 2.6 | 0.9 | 2.3 | 2.7 | 4.5 | 6.0 | 7.5 | 10.6 | 0.59 | 0.15 | - | - | - | 0.9 | |
| 2.8 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.44 | - | 44 | 18 | 2.5 | 3.00 | 1.5 | 45.0 | 7.848 | 37.1 | 62 | 6.0 | 0.41 | 0.44 | 2.7 | 0.9 | 2.3 | 2.7 | 4.5 | 6.0 | 7.5 | 10.6 | 0.59 | 0.15 | - | - | - | 0.9 | |
| 2.9 | 16 | 2 | | J | 2 | 0.5 | 2 | 3 | 0.44 | - | 44 | 18 | 2.5 | 3.00 | 1.5 | 46.6 | 8.829 | 37.7 | 62 | 6.1 | 0.41 | 0.44 | 2.7 | 0.9 | 2.3 | 2.7 | 4.5 | 6.0 | 7.5 | 10.6 | 0.59 | 0.15 | - | - | - | 0.9 | |
| 3.0 | 16 | 3 | 0.5 | J | 2 | 0.5 | 3 | 5 | 0.63 | - | 63 | 19 | 4.1 | 4.00 | 2.4 | 48.2 | 9.81 | 38.4 | 68 | 6.8 | 0.40 | 0.45 | 3.0 | 1.8 | 3.6 | 4.3 | 7.1 | 9.5 | 11.9 | 16.6 | 0.74 | 0.17 | - | - | - | 1.8 | |
| 3.1 | 16 | 4 | | J | 2 | 0.5 | 4 | 7 | 0.85 | - | 85 | 19 | 5.7 | 4.00 | 3.3 | 49.8 | 10.79 | 39.0 | 74 | 7.4 | 0.40 | 0.46 | 3.4 | 2.8 | 5.0 | 6.0 | 10.0 | 13.3 | 16.6 | 23.3 | 0.88 | 0.19 | - | - | - | 2.8 | |
| 3.2 | 16 | 3 | | J | 2 | 0.5 | 3 | 5 | 0.63 | - | 63 | 19 | 4.1 | 4.00 | 2.4 | 51.4 | 11.77 | 39.6 | 68 | 6.9 | 0.40 | 0.45 | 3.1 | 1.8 | 3.6 | 4.3 | 7.1 | 9.5 | 11.9 | 16.6 | 0.74 | 0.17 | - | - | - | 1.8 | |
| 3.3 | 16 | 4 | | J | 2 | 0.5 | 4 | 7 | 0.85 | - | 85 | 19 | 5.7 | 4.00 | 3.3 | 53.0 | 12.75 | 40.2 | 74 | 7.6 | 0.40 | 0.46 | 3.5 | 2.8 | 5.0 | 6.0 | 10.0 | 13.3 | 16.6 | 23.3 | 0.88 | 0.19 | - | - | - | 2.8 | |
| 3.4 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |