

NÁLEŽITOSTAMI A PRESNOSŤOU
ZODPOVEDÁ PREDPISOM



M/

F.

D1-073

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| SÚRADNICOVÝ SYSTÉM S-JTSK | VÝŠKOVÝ SYSTÉM Bpv | TRIEDA PRESNOSTI TP 3 |
| VYPRACOVAL Ing. Branislav VÁVRA | ZODP. PROJEKTANT Ing. Branislav VÁVRA | KONTROLOVAL Ing. Ladislav NAGY |
| OKRES (OBVOD) STAVBY HLOHOVEC | KATASTRÁLNE ČÍZEMIE ŠULEJKOV | |
| OBJEDNÁVATEĽ NÁRODNÁ DIAĽNIČNÁ SPOLOČNOSŤ a.s., Dábravská cesta 14, 841 04 Bratislava | | |
| STAVBA : PD - OPRAVA DIAĽNIČNÉHO MOSTA EV.Č. D1-073 HLOHOVEC, PRAVÝ MOST | | |
| OBJEKT : Most ev.č.. D1-073 PRAVÝ MOST | STUPEŇ DRS, DP | FORMAT A4 |
| PRÍLOHA: TECHNICKÁ SPRÁVA | DÁTUM 06.2022 | Č.ZÁKAZKY 4500200575 |
| | MIERKA | Č.ARCH. S596 |
| | Č.VÝKRESU 1 | Č.SÚPRAVY |



NAGY NOL, s.r.o.
821 06 Bratislava, Amurská 5

TECHNICKÁ SPRÁVA

OPRAVA DIAĽNIČNÉHO MOSTA EV.Č.D1-073 HLOHOVEC, PRAVÝ MOST

Objednávateľ: NAGYNOL, s.r.o.
Amurská 5, 821 06 Bratislava

Zhotoviteľ: C&G Engineering s.r.o.
Ul. Václava Honzu 3282/10, 900 31 Stupava

Okres: Hlohovec

Obec: Hlohovec

Katastrálne územie: Šulekovo

Predmet a účel merania:

Na požiadanie objednávateľa sme v marci 2022 vykonali polohopisné a výškopisné zameranie mosta na diaľnici D1 smer Bratislava – Žilina z ev. č. D1-073 Hlohovec, ktorý križuje železničnú trať Bratislava – Leopoldov v k.ú. Šulekovo. Jedná sa o trojpoľový most s dĺžkou 61,1 m.

Predmetom merania bolo zameranie vozovky, príslušenstva mosta a širšieho okolia mosta. V mieste kríženia bola zmeraná podchodná výška so železničnou traťou Bratislava - Leopoldov.

Geodetická dokumentácia má slúžiť ako podklad pre projektovú dokumentáciu DRS a DP pre opravu mosta ponad železničnú trať Bratislava – Leopoldov.

Bodové pole :

Na geodetické zameranie a určenie bodov PGB bola použitá metóda RTK pripojením na službu SKPOS_RTCM (dĺžka observácie 1x180sec)

Novourčené vody PGB boli stabilizované klincovou značkou a roxorom. Jedná sa o dočasné stabilizáciu bodov, body dostali pracovné označenie č.5001 a 5002. Tieto body boli použité na zameranie hornej konštrukcie mosta, ale tiež aj na zameranie polohopisu a výškopisu pod mostom a širšieho okolia.

Všetky geodetické merania boli vykonané v súr. systéme S-JTSK v realizácii JTSK a vo výškovom systéme Bpv., na požiadanie objednávateľa.

Metódy merania:

Zber údajov na celom úseku meraného záujmového územia bol realizovaný priamym meraním v teréne metódou RTK pripojením na službu SKPOS a geodetickými terestrickými metódami.

Pri zameraní hornej konštrukcie vozovky a hornej časti mosta sa použila terestrická metóda, priestorovou polárnu metódou univerzálnou meracou stanicou Trimble S8 (presnosť merania uhlov 1° a presnosť merania dĺžok $1+2\text{ppm}$). Pri zameraní niektorých bodov

mostného objektu a širšieho okolia mosta bola využitá metóda RTK pripojením na službu SKPOS

Pri obidvoch metódach boli dodržané kritériá 3. triedy presnosti.

Všetky geodetické merania boli vykonané v súr. systéme S-JTSK v realizácii JTSK a vo výškovom systéme Bpv, na požiadanie objednávateľa. Súčasťou technickej správy je zoznam súradníc a výšok podrobných bodov (Príloha č1.2).

Technológia spracovania:

Kódový zber dát v teréne prebehol pomocou elektronického tachymetra Trimble S8 a GPS Trimble R6. Súradnice podrobných bodov boli vypočítané pomocou programu Microsoft Excel 2010 a následne boli automaticky vykreslené podľa kódov do digitálneho vektorového tvaru. Kresba bola ďalej spracovaná v grafickom programe.

Na vyhotovenie digitálnej kresby bola využitá výkresová šablóna pre program AutoCAD Civil 3D 2008, v ktorej boli použité knižnice buniek a čiar stanovené STN 013411. Výsledná mapa je vyhotovená v mierke 1:500 (Účelová mapa – výkresová časť elaborátu č. 2.1 a 2.2) a svojim vyhotovením vyhovuje STN 013410.

Pri spracovaní textových dát boli použité programy MS Word a Excel.

Použité prístroje a pomôcky:

Elektronický tachymeter Trimble S8, GPS Trimble R6.

Použitý softvér:

MS Office 2002.

Použité normy a smernice :

Inštrukcia na práce v polohových bodových poliach,
Metodický návod na budovanie, obnovu a údržbu výškových bodových polí,
STN 013411, STN 013410, STN 730415.

Náležitosťami a presnosťou zodpovedá predpisom.

ZOZNAM SÚRADNÍC A VÝŠOK PODROBNÝCH BODOV

Stavba: PD - OPRAVA DIAĽNIČNÉHO MOSTA EV.Č. D1-073 HLOHOVEC, PRAVÝ MOST

Súradnicový systém: S-JTSK v realizácii JTSK

Výškový systém: Bpv

Trieda presnosti: 3

| č.bodu | Y(m) | X(m) | H(m) | popis |
|--------|------------|-------------|---------|----------|
| 1 | 523692.069 | 1254502.883 | 140.394 | STLP |
| 2 | 523692.221 | 1254502.008 | 140.377 | STLP |
| 3 | 523692.880 | 1254502.639 | 140.416 | STLP |
| 4 | 523680.826 | 1254496.798 | 140.984 | K1 |
| 5 | 523679.920 | 1254497.965 | 140.994 | K2 |
| 6 | 523679.577 | 1254501.321 | 141.006 | K3 |
| 7 | 523678.717 | 1254502.550 | 140.982 | K4 |
| 8 | 523685.087 | 1254510.855 | 140.508 | ST |
| 9 | 523684.809 | 1254511.640 | 140.525 | ST |
| 10 | 523684.339 | 1254511.056 | 140.495 | ST |
| 11 | 523637.655 | 1254474.041 | 140.460 | ST |
| 12 | 523637.792 | 1254474.751 | 140.418 | ST |
| 13 | 523638.544 | 1254474.449 | 140.410 | ST |
| 14 | 523645.752 | 1254465.005 | 140.513 | ST |
| 15 | 523645.255 | 1254464.309 | 140.515 | ST |
| 16 | 523644.881 | 1254464.994 | 140.561 | ST |
| 17 | 523651.174 | 1254473.098 | 141.021 | K1 |
| 18 | 523650.884 | 1254474.795 | 140.923 | K2 |
| 19 | 523650.263 | 1254477.986 | 141.023 | K3 |
| 20 | 523650.068 | 1254479.745 | 140.931 | K4 |
| 21 | 523650.649 | 1254485.091 | 140.211 | L1Z |
| 22 | 523651.226 | 1254484.537 | 140.139 | L1 |
| 23 | 523636.655 | 1254435.922 | 139.910 | PLK1Z |
| 24 | 523638.981 | 1254436.672 | 139.584 | PLK1 P1Z |
| 25 | 523640.659 | 1254440.728 | 139.617 | P1 |
| 26 | 523644.238 | 1254445.069 | 139.706 | P1 |
| 27 | 523645.695 | 1254438.837 | 141.863 | PLK1 |
| 28 | 523648.220 | 1254442.254 | 142.412 | T |
| 29 | 523651.436 | 1254444.883 | 142.818 | T |
| 30 | 523652.207 | 1254440.942 | 144.713 | PLK1 |
| 31 | 523654.323 | 1254441.620 | 145.784 | PLK1 |
| 32 | 523656.410 | 1254442.191 | 145.859 | PLK1 |
| 33 | 523656.418 | 1254442.190 | 145.869 | PLK1 |
| 34 | 523656.550 | 1254443.289 | 145.794 | L2Z |
| 35 | 523656.328 | 1254443.321 | 145.679 | L3Z |
| 36 | 523656.158 | 1254443.209 | 145.685 | L4Z |
| 37 | 523669.607 | 1254454.681 | 146.066 | L1 |

| č.bodu | Y(m) | X(m) | H(m) | popis |
|--------|------------|-------------|---------|---------|
| 38 | 523669.389 | 1254454.852 | 146.042 | L2 |
| 39 | 523655.568 | 1254444.070 | 145.119 | L4 |
| 40 | 523653.662 | 1254447.264 | 142.625 | L4 |
| 41 | 523649.294 | 1254449.720 | 139.846 | P1 |
| 42 | 523651.227 | 1254450.927 | 139.887 | P1 L4 |
| 43 | 523648.030 | 1254492.719 | 139.848 | P1Z L1Z |
| 44 | 523645.386 | 1254490.680 | 139.722 | P1 |
| 45 | 523641.311 | 1254489.187 | 139.760 | P1 |
| 46 | 523635.696 | 1254489.727 | 139.710 | P1 |
| 47 | 523630.834 | 1254492.341 | 139.478 | P1 |
| 48 | 523627.436 | 1254496.866 | 139.347 | P1 |
| 49 | 523624.946 | 1254502.169 | 139.128 | P1 |
| 50 | 523622.942 | 1254504.298 | 139.300 | PLK1Z |
| 51 | 523624.101 | 1254504.389 | 139.124 | P1 PLK1 |
| 52 | 523628.958 | 1254505.039 | 140.564 | PLK1 |
| 53 | 523631.748 | 1254500.532 | 140.929 | T |
| 54 | 523635.164 | 1254496.343 | 141.193 | T |
| 55 | 523640.238 | 1254493.950 | 141.354 | T |
| 56 | 523644.291 | 1254495.159 | 141.793 | T |
| 57 | 523647.214 | 1254496.868 | 142.309 | L1 |
| 58 | 523646.441 | 1254500.587 | 144.398 | L1 |
| 59 | 523643.429 | 1254500.222 | 144.429 | T |
| 60 | 523640.106 | 1254501.115 | 144.154 | T |
| 61 | 523638.562 | 1254502.964 | 144.079 | T |
| 62 | 523637.880 | 1254506.249 | 144.501 | PLK1 |
| 63 | 523640.759 | 1254506.649 | 145.825 | PLK1 |
| 64 | 523643.257 | 1254507.004 | 146.888 | PLK1 |
| 65 | 523645.456 | 1254507.359 | 147.661 | PLK1 |
| 66 | 523646.196 | 1254502.570 | 145.557 | L1 |
| 67 | 523646.141 | 1254503.766 | 146.526 | L1 |
| 68 | 523646.486 | 1254503.425 | 145.755 | L2Z |
| 69 | 523659.516 | 1254514.690 | 145.994 | L1 |
| 70 | 523659.697 | 1254514.505 | 146.010 | T |
| 71 | 523659.544 | 1254513.912 | 145.794 | L2 |
| 72 | 523659.655 | 1254513.473 | 145.701 | T |
| 73 | 523645.615 | 1254507.534 | 148.588 | L1Z L2Z |
| 74 | 523647.570 | 1254507.787 | 148.420 | C1Z |
| 75 | 523647.210 | 1254507.687 | 148.393 | L3Z |
| 76 | 523647.023 | 1254506.836 | 148.556 | ZVOD1Z |
| 77 | 523645.807 | 1254507.493 | 148.577 | ZAB1Z |
| 78 | 523647.122 | 1254507.794 | 148.546 | L2 |
| 79 | 523646.114 | 1254504.649 | 148.592 | L1 |
| 80 | 523646.173 | 1254504.312 | 148.590 | L1 |
| 81 | 523647.449 | 1254505.449 | 148.563 | L2 |
| 82 | 523647.548 | 1254505.849 | 148.426 | L3 |
| 83 | 523647.601 | 1254505.527 | 148.406 | L3 |
| 84 | 523647.391 | 1254504.882 | 148.580 | ZVOD1 |
| 85 | 523647.719 | 1254502.890 | 148.587 | ZVOD1 |
| 86 | 523648.036 | 1254500.930 | 148.596 | ZVOD1 |

| č.bodu | Y(m) | X(m) | H(m) | popis |
|--------|------------|-------------|---------|----------|
| 87 | 523647.168 | 1254502.091 | 148.582 | KM64 |
| 88 | 523648.324 | 1254501.810 | 148.393 | VP |
| 89 | 523649.022 | 1254496.962 | 148.427 | L3 |
| 90 | 523647.856 | 1254506.224 | 148.428 | C1 |
| 91 | 523647.982 | 1254505.839 | 148.429 | C1 |
| 92 | 523649.463 | 1254497.060 | 148.436 | C1 |
| 93 | 523647.414 | 1254496.790 | 148.566 | L1 |
| 94 | 523647.645 | 1254496.831 | 148.587 | ZAB1 |
| 95 | 523649.589 | 1254493.998 | 148.396 | VP |
| 96 | 523650.756 | 1254489.138 | 148.440 | C1 |
| 97 | 523650.366 | 1254489.029 | 148.446 | L3 |
| 98 | 523650.030 | 1254489.055 | 148.622 | ZVOD1 |
| 99 | 523648.716 | 1254488.970 | 148.545 | L1 |
| 100 | 523648.906 | 1254488.983 | 148.591 | ZAB1 |
| 101 | 523650.631 | 1254487.569 | 148.389 | VP |
| 102 | 523650.011 | 1254482.213 | 148.570 | ZAB1 OCH |
| 103 | 523649.837 | 1254482.207 | 148.576 | L1 |
| 104 | 523651.899 | 1254482.549 | 148.433 | L1 |
| 105 | 523651.469 | 1254482.465 | 148.407 | L3 |
| 106 | 523651.668 | 1254481.515 | 148.377 | VP |
| 107 | 523651.336 | 1254481.217 | 148.598 | ZVOD1 |
| 108 | 523652.964 | 1254471.328 | 148.627 | ZVOD1 |
| 109 | 523653.646 | 1254471.838 | 148.460 | C1 |
| 110 | 523653.234 | 1254471.803 | 148.451 | L3 |
| 111 | 523651.686 | 1254472.308 | 148.608 | ZAB1 OCH |
| 112 | 523651.524 | 1254472.179 | 148.561 | L1 |
| 113 | 523654.209 | 1254466.389 | 148.396 | VP |
| 114 | 523654.687 | 1254465.557 | 148.449 | C1 |
| 115 | 523654.360 | 1254465.049 | 148.420 | L3 |
| 116 | 523653.960 | 1254465.363 | 148.585 | ZVOD1 |
| 117 | 523652.731 | 1254464.913 | 148.573 | L1 |
| 118 | 523652.913 | 1254465.034 | 148.584 | ZAB1 |
| 119 | 523655.175 | 1254460.636 | 148.398 | VP |
| 120 | 523655.966 | 1254457.994 | 148.432 | C1 |
| 121 | 523655.568 | 1254457.887 | 148.442 | L3 |
| 122 | 523655.310 | 1254457.480 | 148.619 | ZVOD1 |
| 123 | 523653.947 | 1254457.617 | 148.548 | L1 |
| 124 | 523654.216 | 1254457.404 | 148.587 | ZAB1 |
| 125 | 523656.227 | 1254454.365 | 148.419 | VP |
| 126 | 523657.353 | 1254449.757 | 148.423 | C1 |
| 127 | 523656.913 | 1254449.834 | 148.426 | L3 |
| 128 | 523656.629 | 1254449.614 | 148.601 | ZVOD1 |
| 129 | 523655.304 | 1254449.612 | 148.566 | L1 |
| 130 | 523655.500 | 1254449.703 | 148.594 | ZAB1 |
| 131 | 523656.943 | 1254447.653 | 148.599 | ZVOD1 |
| 132 | 523657.301 | 1254445.684 | 148.586 | ZVOD1 |
| 133 | 523657.625 | 1254443.681 | 148.584 | ZVOD1 |
| 134 | 523657.967 | 1254441.650 | 148.565 | ZVOD1 |
| 135 | 523658.283 | 1254439.670 | 148.507 | ZVOD1 |

| č.bodu | Y(m) | X(m) | H(m) | popis |
|--------|------------|-------------|---------|-----------|
| 136 | 523657.994 | 1254443.436 | 148.398 | L3 |
| 137 | 523658.030 | 1254443.088 | 148.402 | L3 |
| 138 | 523658.345 | 1254443.783 | 148.402 | C1 |
| 139 | 523658.395 | 1254443.401 | 148.398 | C1 |
| 140 | 523659.002 | 1254439.236 | 148.350 | C1 |
| 141 | 523658.665 | 1254439.151 | 148.317 | L3 |
| 142 | 523656.549 | 1254442.203 | 148.579 | L3 |
| 143 | 523656.620 | 1254441.838 | 148.582 | L3 |
| 144 | 523657.090 | 1254438.877 | 148.524 | L3 |
| 145 | 523657.272 | 1254438.859 | 147.691 | T |
| 146 | 523658.555 | 1254439.146 | 148.491 | L1 |
| 147 | 523661.080 | 1254425.914 | 148.294 | C1 |
| 148 | 523663.396 | 1254411.823 | 148.273 | C1 |
| 149 | 523665.708 | 1254398.204 | 148.296 | C1 |
| 150 | 523668.385 | 1254382.969 | 148.203 | C1 |
| 151 | 523671.074 | 1254384.366 | 148.263 | T |
| 152 | 523668.467 | 1254399.448 | 148.344 | T |
| 153 | 523666.557 | 1254410.705 | 148.330 | T |
| 154 | 523663.947 | 1254425.915 | 148.358 | T |
| 155 | 523661.678 | 1254439.533 | 148.400 | T |
| 156 | 523660.676 | 1254445.394 | 148.443 | T |
| 157 | 523660.621 | 1254445.772 | 148.449 | T |
| 158 | 523659.789 | 1254450.559 | 148.469 | T |
| 159 | 523657.616 | 1254446.065 | 148.363 | VP |
| 160 | 523658.426 | 1254458.653 | 148.475 | T |
| 161 | 523657.205 | 1254465.849 | 148.496 | T |
| 162 | 523655.993 | 1254473.065 | 148.486 | T |
| 163 | 523654.323 | 1254483.089 | 148.476 | T |
| 164 | 523653.258 | 1254489.571 | 148.478 | T |
| 165 | 523651.963 | 1254497.274 | 148.473 | T |
| 166 | 523651.185 | 1254502.064 | 148.457 | T |
| 167 | 523650.238 | 1254507.801 | 148.462 | T |
| 168 | 523646.806 | 1254509.131 | 148.343 | ZAB1Z TAB |
| 169 | 523650.126 | 1254508.207 | 148.466 | T |
| 170 | 523645.419 | 1254520.637 | 148.326 | C1Z |
| 171 | 523643.241 | 1254533.912 | 148.285 | C1 |
| 172 | 523641.178 | 1254546.570 | 148.230 | C1 |
| 173 | 523639.101 | 1254559.442 | 148.191 | C1 |
| 174 | 523641.550 | 1254560.910 | 148.254 | T |
| 175 | 523643.769 | 1254546.822 | 148.262 | T |
| 176 | 523645.850 | 1254534.296 | 148.327 | T |
| 177 | 523647.897 | 1254521.937 | 148.355 | T |
| 178 | 523644.682 | 1254520.940 | 148.267 | ZVOD1 |
| 179 | 523645.752 | 1254507.631 | 147.875 | T |
| 179 | 523645.752 | 1254507.631 | 147.875 | T |
| 180 | 523645.135 | 1254564.031 | 148.337 | T |
| 181 | 523649.174 | 1254563.471 | 148.451 | T |
| 182 | 523651.234 | 1254563.387 | 148.465 | L1Z |
| 183 | 523651.877 | 1254563.441 | 148.460 | L2Z |

| č.bodu | Y(m) | X(m) | H(m) | popis |
|--------|------------|-------------|---------|--------|
| 184 | 523653.326 | 1254554.373 | 148.490 | L2 |
| 185 | 523652.703 | 1254554.331 | 148.477 | L1 |
| 186 | 523647.815 | 1254546.926 | 148.361 | T |
| 187 | 523651.626 | 1254547.798 | 148.451 | T |
| 188 | 523653.583 | 1254547.622 | 148.472 | L1 |
| 189 | 523654.234 | 1254547.743 | 148.494 | L2 |
| 190 | 523656.098 | 1254533.987 | 148.534 | L2 |
| 191 | 523655.455 | 1254533.860 | 148.509 | L1 |
| 192 | 523653.940 | 1254533.754 | 148.482 | T |
| 193 | 523650.178 | 1254533.184 | 148.399 | T |
| 194 | 523657.932 | 1254520.092 | 148.566 | C1Z L2 |
| 195 | 523657.318 | 1254519.894 | 148.567 | C1 L1 |
| 196 | 523656.560 | 1254519.337 | 148.526 | C1 |
| 197 | 523657.447 | 1254518.570 | 148.553 | L1 |
| 198 | 523658.087 | 1254518.649 | 148.512 | L1 L2 |
| 199 | 523657.600 | 1254519.886 | 148.530 | ZVOD1Z |
| 200 | 523657.942 | 1254517.410 | 148.503 | ZVOD1 |
| 201 | 523658.132 | 1254516.074 | 148.613 | ZVOD1 |
| 202 | 523658.427 | 1254514.066 | 148.801 | ZVOD1 |
| 203 | 523658.732 | 1254512.107 | 148.788 | ZVOD1 |
| 204 | 523659.036 | 1254510.134 | 148.802 | ZVOD1 |
| 205 | 523657.554 | 1254514.596 | 148.643 | C1 |
| 206 | 523657.613 | 1254514.248 | 148.636 | C1 |
| 207 | 523653.822 | 1254511.357 | 148.558 | T |
| 208 | 523653.858 | 1254510.995 | 148.546 | T |
| 209 | 523660.264 | 1254517.161 | 148.837 | L1Z |
| 210 | 523659.915 | 1254516.356 | 148.862 | L2Z |
| 211 | 523658.656 | 1254515.308 | 148.823 | L2 |
| 212 | 523658.671 | 1254515.148 | 148.817 | L2 |
| 213 | 523658.586 | 1254515.499 | 148.820 | L3Z |
| 214 | 523657.830 | 1254515.063 | 148.629 | L1 |
| 215 | 523655.112 | 1254503.322 | 148.537 | T |
| 216 | 523659.266 | 1254504.083 | 148.633 | C1 |
| 217 | 523659.699 | 1254504.121 | 148.628 | L1 |
| 218 | 523660.071 | 1254504.188 | 148.804 | ZVOD1 |
| 219 | 523660.528 | 1254504.156 | 148.793 | L2 |
| 220 | 523660.851 | 1254497.431 | 148.639 | L1 |
| 221 | 523660.486 | 1254497.216 | 148.638 | C1 |
| 222 | 523656.270 | 1254496.760 | 148.558 | T |
| 223 | 523661.594 | 1254497.607 | 148.814 | L2 |
| 224 | 523662.281 | 1254491.729 | 148.789 | OCH |
| 225 | 523662.062 | 1254492.380 | 148.810 | ZVOD1 |
| 226 | 523662.174 | 1254489.675 | 148.642 | L1 |
| 227 | 523661.738 | 1254489.559 | 148.654 | C1 |
| 228 | 523657.481 | 1254489.328 | 148.550 | T |
| 229 | 523658.617 | 1254482.514 | 148.556 | T |
| 230 | 523662.795 | 1254483.229 | 148.673 | C1 |
| 231 | 523663.224 | 1254483.356 | 148.657 | L1 |
| 232 | 523663.930 | 1254481.802 | 148.805 | OCH |

| č.bodu | Y(m) | X(m) | H(m) | popis |
|--------|------------|-------------|---------|---------|
| 233 | 523664.015 | 1254480.569 | 148.827 | ZVOD1 |
| 234 | 523664.453 | 1254480.566 | 148.810 | L2 |
| 235 | 523665.456 | 1254474.708 | 148.842 | L2 |
| 236 | 523665.036 | 1254474.653 | 148.819 | ZVOD1 |
| 237 | 523664.664 | 1254474.633 | 148.667 | L1 |
| 238 | 523664.233 | 1254474.514 | 148.663 | C1 |
| 239 | 523660.055 | 1254474.069 | 148.565 | T |
| 240 | 523661.447 | 1254465.831 | 148.562 | T |
| 241 | 523665.583 | 1254466.486 | 148.647 | C1 |
| 242 | 523665.983 | 1254466.683 | 148.663 | L1 |
| 243 | 523666.315 | 1254466.774 | 148.807 | ZVOD1 |
| 244 | 523666.736 | 1254467.006 | 148.795 | L2 |
| 245 | 523666.818 | 1254459.143 | 148.640 | C1 |
| 246 | 523667.213 | 1254459.277 | 148.641 | L1 |
| 247 | 523662.471 | 1254459.796 | 148.558 | T |
| 248 | 523667.801 | 1254460.779 | 148.791 | L2 |
| 249 | 523669.065 | 1254453.114 | 148.802 | L2 |
| 250 | 523669.098 | 1254452.927 | 148.786 | L2 |
| 251 | 523669.075 | 1254452.719 | 148.780 | L3Z |
| 252 | 523669.785 | 1254453.534 | 148.774 | L2 |
| 253 | 523670.283 | 1254454.004 | 148.827 | L2 |
| 254 | 523668.315 | 1254452.468 | 148.613 | L1 |
| 255 | 523668.365 | 1254452.089 | 148.612 | L1 |
| 256 | 523668.431 | 1254451.842 | 148.566 | L1 |
| 257 | 523669.172 | 1254452.468 | 148.741 | L1 |
| 258 | 523669.911 | 1254453.131 | 148.788 | L1 |
| 259 | 523670.453 | 1254453.558 | 148.810 | L1 |
| 260 | 523667.948 | 1254452.149 | 148.614 | C1 |
| 261 | 523667.970 | 1254451.811 | 148.602 | C1 |
| 262 | 523668.375 | 1254449.295 | 148.559 | C1 |
| 263 | 523671.015 | 1254449.686 | 148.578 | C1 |
| 264 | 523667.951 | 1254456.931 | 148.802 | ZVOD1 |
| 265 | 523668.283 | 1254454.947 | 148.798 | ZVOD1 |
| 266 | 523668.608 | 1254452.991 | 148.776 | ZVOD1 |
| 267 | 523668.879 | 1254450.805 | 148.535 | ZVOD1 |
| 268 | 523669.163 | 1254451.195 | 148.622 | L1Z L2Z |
| 269 | 523668.549 | 1254451.102 | 148.583 | L1 |
| 270 | 523664.319 | 1254448.966 | 148.526 | T |
| 271 | 523664.360 | 1254448.610 | 148.527 | T |
| 272 | 523669.549 | 1254440.903 | 148.554 | T |
| 273 | 523665.763 | 1254440.427 | 148.478 | T |
| 274 | 523670.280 | 1254441.460 | 148.549 | L1 |
| 275 | 523670.948 | 1254441.544 | 148.555 | L2 |
| 276 | 523673.905 | 1254426.568 | 148.518 | L2 |
| 277 | 523673.248 | 1254426.540 | 148.516 | L2 |
| 278 | 523673.248 | 1254426.544 | 148.519 | L1 |
| 279 | 523671.950 | 1254426.517 | 148.510 | T |
| 280 | 523668.100 | 1254426.520 | 148.442 | T |
| 281 | 523674.406 | 1254419.683 | 148.495 | L1 |

| č.bodu | Y(m) | X(m) | H(m) | popis |
|--------|------------|-------------|---------|--------|
| 282 | 523675.044 | 1254419.746 | 148.498 | L2 L1 |
| 283 | 523676.123 | 1254413.188 | 148.485 | L1 |
| 284 | 523674.258 | 1254413.173 | 148.483 | T |
| 285 | 523670.442 | 1254412.743 | 148.440 | T |
| 286 | 523672.443 | 1254400.847 | 148.406 | T |
| 287 | 523676.494 | 1254400.835 | 148.465 | L3Z |
| 288 | 523678.238 | 1254401.200 | 148.449 | L1 |
| 289 | 523680.634 | 1254386.707 | 148.414 | L1 |
| 290 | 523678.891 | 1254386.720 | 148.421 | L3 |
| 291 | 523674.928 | 1254386.405 | 148.360 | T |
| 292 | 523667.214 | 1254385.785 | 148.210 | ZVOD1Z |
| 293 | 523666.453 | 1254385.432 | 148.084 | H1Z |
| 294 | 523662.809 | 1254405.485 | 148.087 | H1 |
| 295 | 523663.707 | 1254405.468 | 148.234 | ZVOD1 |
| 296 | 523660.286 | 1254421.483 | 148.143 | H1 |
| 297 | 523661.138 | 1254421.240 | 148.247 | ZVOD1 |
| 298 | 523659.052 | 1254430.916 | 148.184 | H1 |
| 299 | 523658.770 | 1254432.758 | 148.227 | H1Z |
| 300 | 523659.302 | 1254433.217 | 148.294 | ZVOD1 |
| 301 | 523658.527 | 1254438.611 | 148.297 | ZVOD1 |
| 302 | 523657.599 | 1254438.889 | 148.217 | ZVOD1 |
| 303 | 523657.291 | 1254439.073 | 148.528 | ZAB1Z |
| 304 | 523669.145 | 1254453.005 | 147.471 | L4Z |
| 305 | 523668.960 | 1254454.033 | 147.315 | L4 |
| 306 | 523670.126 | 1254455.039 | 147.319 | L4 |
| 307 | 523670.264 | 1254454.008 | 147.373 | L4 |
| 308 | 523658.897 | 1254514.249 | 147.320 | L4Z |
| 309 | 523658.734 | 1254515.329 | 147.425 | L4 |
| 310 | 523659.907 | 1254516.222 | 147.397 | L4 |
| 311 | 523660.065 | 1254515.318 | 147.322 | L4 |
| 312 | 523637.652 | 1254564.279 | 148.164 | ZVOD1Z |
| 313 | 523636.823 | 1254563.738 | 148.017 | H1Z |
| 314 | 523640.830 | 1254544.532 | 148.213 | ZVOD1 |
| 315 | 523639.897 | 1254544.153 | 148.117 | H1 |
| 316 | 523642.838 | 1254527.526 | 148.201 | H1 |
| 317 | 523643.018 | 1254526.181 | 148.214 | H1Z |
| 318 | 523644.054 | 1254524.900 | 148.267 | ZVOD1 |
| 319 | 523646.609 | 1254510.026 | 148.342 | ZVOD1 |
| 320 | 523646.049 | 1254507.645 | 148.305 | H1 |
| 321 | 523674.682 | 1254515.703 | 139.132 | L3Z |
| 322 | 523681.315 | 1254476.714 | 138.966 | L3Z |
| 400 | 523669.009 | 1254455.358 | 145.485 | T |

V Stupave, 31.05.2022

Vypísal: Ing. Branislav Vávra