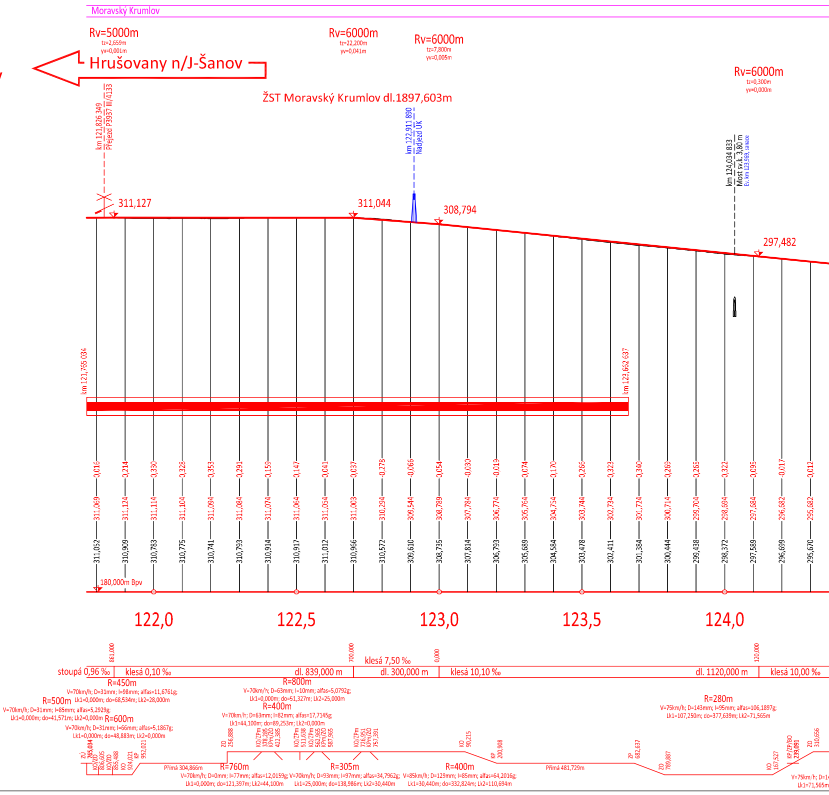
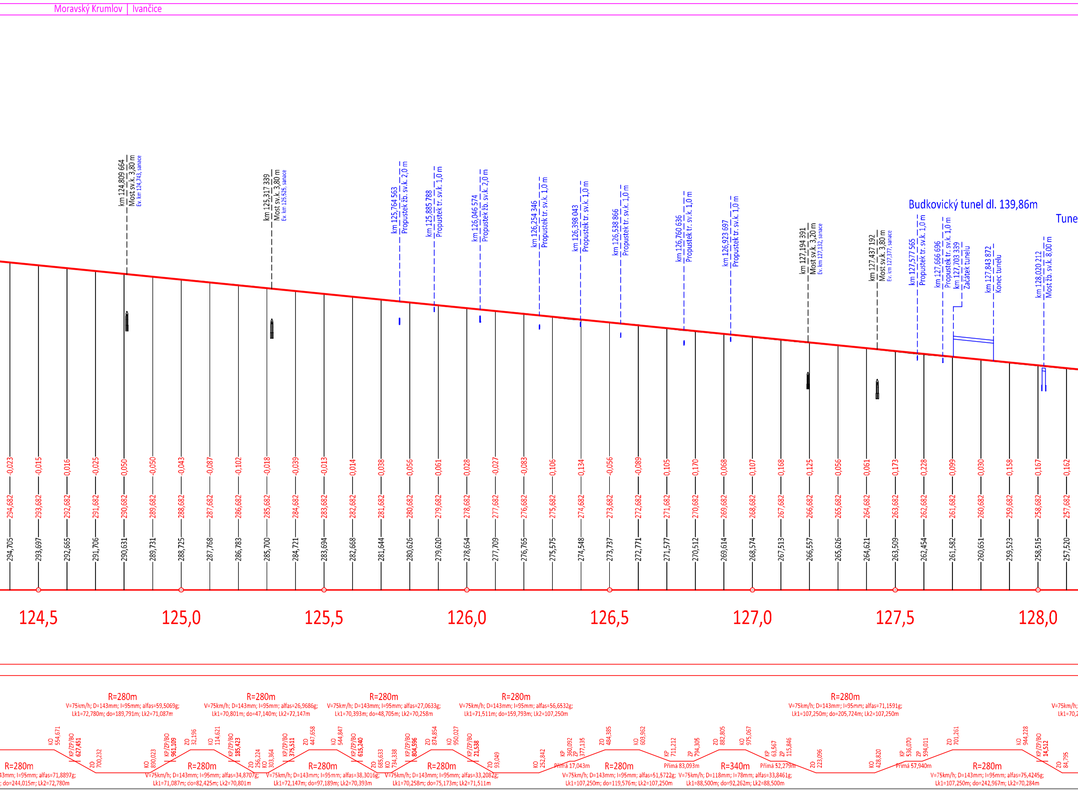
PODÉLNÝ PROFIL

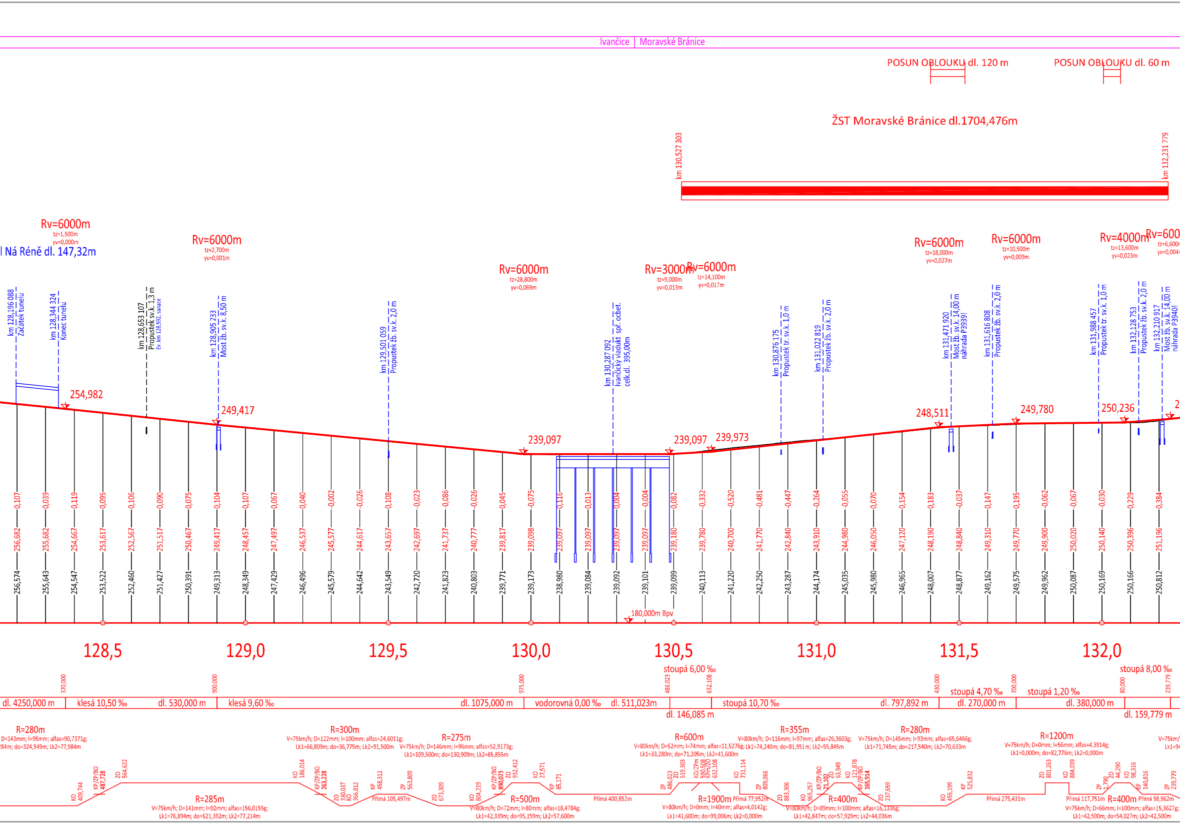
Trať Mor. Krumlov – Silůvky
varianta 1’, 1a’ a 3
1:10 000/1 000

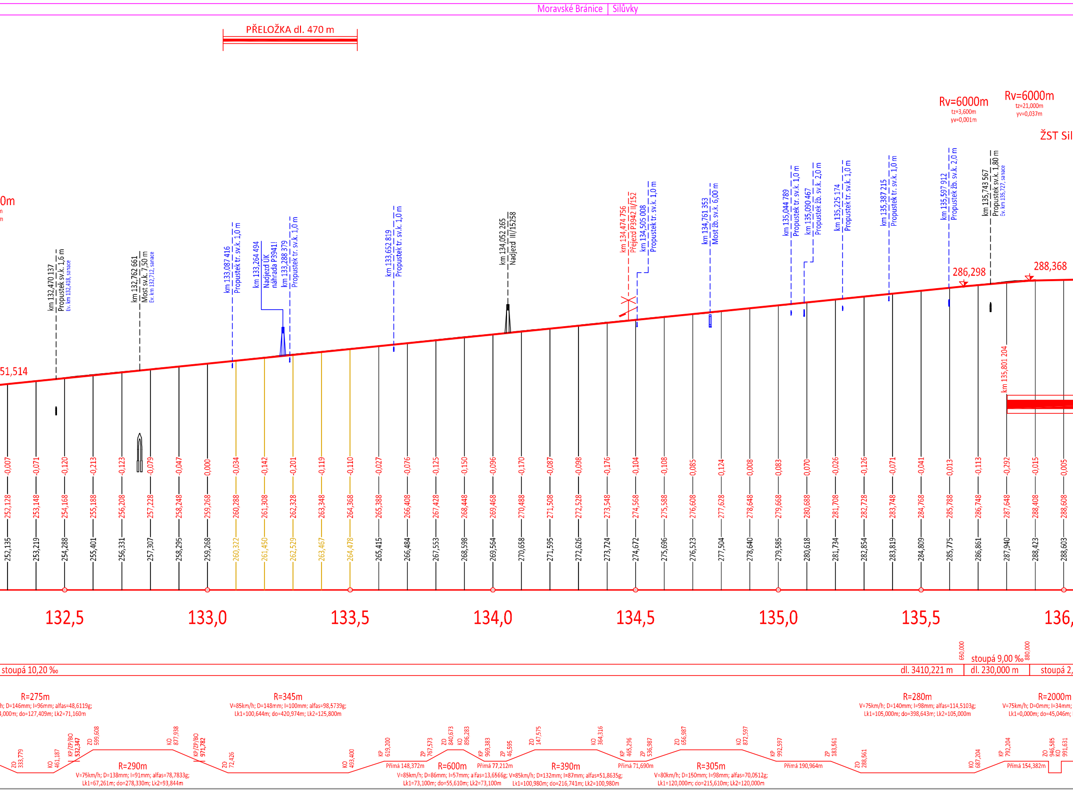

KATASTRÁLNÍ ÚZEMÍ
Moravský Krumlov
Rv=5000m
tz=2,659m
yv=0,001m
Hrušovany n/J-Šanov
Rv=6000m
tz=22,200m
yv=0,041m
Rv=6000m
tz=7,800m
yv=0,005m
Rv=6000m
tz=0,300m
yv=0,000m
ŽST Moravský Krumlov dl.1897,603m
km 121,826 349
Přejezd P3937 III/4133
km 122,911 890
Nadjezd UK
km 124,034 833
Most sv.k. 3,80 m
Ev. km 123,969, sanace
OBJEKTY
311,127
311,044
308,794
297,482
NIVELETA
STÁVAJÍCÍ NIVELETA
STÁVAJÍCÍ TERÉN
km 121,765 034
km 123,662 637
180,000m Bpv
SROVNÁVACÍ ROVINA
STANIČENÍ
122,0
122,5
123,0
123,5
124,0
SKLONOVÉ POMĚRY
861,000
stoupá 0,96 ‰
klesá 0,10 ‰
dl. 839,000 m
700,000
klesá 7,50 ‰
dl. 300,000 m
0,000
klesá 10,10 ‰
dl. 1120,000 m
120,000
klesá 10,00 ‰
SMĚROVÉ POMĚRY
R=450m
V=70km/h; D=31mm; I=98mm; alfas=11,6761g;
Lk1=0,000m; do=68,534m; Lk2=28,000m
R=500m
V=70km/h; D=31mm; I=85mm; alfas=5,2929g;
Lk1=0,000m; do=41,571m; Lk2=0,000m
R=600m
V=70km/h; D=31mm; I=66mm; alfas=5,1867g;
Lk1=0,000m; do=48,883m; Lk2=0,000m
R=800m
V=70km/h; D=63mm; I=10mm; alfas=5,0792g;
Lk1=0,000m; do=51,327m; Lk2=25,000m
R=400m
V=70km/h; D=63mm; I=82mm; alfas=17,7145g;
Lk1=44,100m; do=89,253m; Lk2=0,000m
R=280m
V=75km/h; D=143mm; I=95mm; alfas=106,1897g;
Lk1=107,250m; do=377,639m; Lk2=71,565m
ZÚ 765,034
KO/ZO 806,605
KO/ZO 855,488
KO 924,021
KP 952,021
Přímá 304,866m
ZO 256,888
KO/ZPm 378,285
KPm/ZO 422,385
KO/ZPm 511,638
KO/ZPm 562,965
KPm/ZO 587,965
KO/ZPm 726,951
KPm/ZO 757,391
KO 90,215
KP 200,908
Přímá 481,729m
ZP 682,637
ZO 789,887
KO 167,527
KP/ZP/BO 239,091
ZO 310,656
R=760m
V=70km/h; D=0mm; I=77mm; alfas=12,0159g;
Lk1=0,000m; do=121,397m; Lk2=44,100m
R=305m
V=70km/h; D=93mm; I=97mm; alfas=34,7962g;
Lk1=25,000m; do=138,986m; Lk2=30,440m
R=400m
V=85km/h; D=129mm; I=85mm; alfas=64,2016g;
Lk1=30,440m; do=332,824m; Lk2=110,694m
V=75km/h; D=1
Lk1=71,565m

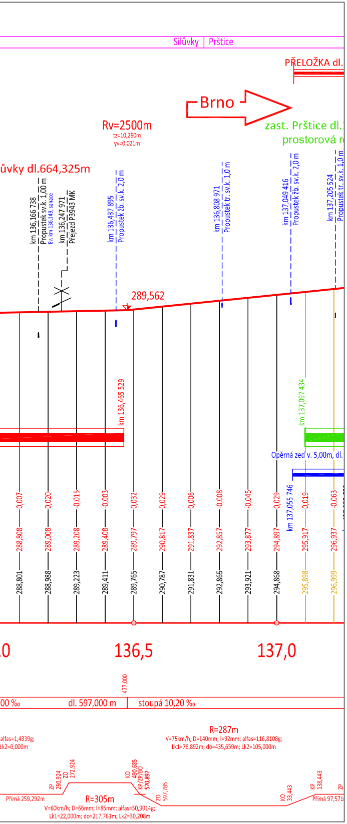
ZDVIH TK	NOVÉ KÓTY TK	STÁVAJÍCÍ KÓTY TK
0,016	311,069	311,052
0,214	311,124	310,909
0,330	311,114	310,783
0,328	311,104	310,775
0,353	311,094	310,741
0,291	311,084	310,793
0,159	311,074	310,914
0,147	311,064	310,917
0,041	311,054	311,012
0,037	311,003	310,966
-0,278	310,294	310,572
-0,066	309,544	309,610
0,054	308,789	308,735
-0,030	307,784	307,814
-0,019	306,774	306,793
0,074	305,764	305,689
0,170	304,754	304,584
0,266	303,744	303,478
0,323	302,734	302,411
0,340	301,724	301,384
0,269	300,714	300,444
0,265	299,704	299,438
0,322	298,694	298,372
0,095	297,684	297,589
-0,017	296,682	296,699
0,012	295,682	295,670

KÓTY TERÉNU


Moravský Krumlov | Ivančice
km 124,809 664
Most sv.k. 3,80 m
Ev. km 124,743, sanace
km 125,317 339
Most sv.k. 3,80 m
Ev. km 125,525, sanace
km 125,764 563
Propustek žb. sv.k. 2,0 m
km 125,885 788
Propustek tr. sv.k. 1,0 m
km 126,046 574
Propustek žb. sv.k. 2,0 m
km 126,254 346
Propustek tr. sv.k. 1,0 m
km 126,398 043
Propustek tr. sv.k. 1,0 m
km 126,538 866
Propustek tr. sv.k. 1,0 m
km 126,760 636
Propustek tr. sv.k. 1,0 m
km 126,923 697
Propustek tr. sv.k. 1,0 m
km 127,194 391
Most sv.k. 3,20 m
Ev. km 127,132, sanace
km 127,437 192
Most sv.k. 3,80 m
Ev. km 127,377, sanace
Budkovický tunel dl. 139,86m
km 127,577 565
Propustek tr. sv.k. 1,0 m
km 127,666 696
Propustek tr. sv.k. 1,0 m
km 127,703 339
Začátek tunelu
km 127,843 872
Konec tunelu
km 128,020 212
Most žb. sv.k. 8,00 m
Tune
-0,023 -0,015 0,016 -0,025 0,050 -0,050 -0,043 -0,087 -0,102 -0,018 -0,039 -0,013 0,014 0,038 0,056 0,061 0,028 -0,027 -0,083 0,106 0,134 -0,056 -0,089 0,105 0,170 0,068 0,107 0,168 0,125 0,056 0,061 0,173 0,228 0,099 0,030 0,158 0,167 0,162
294,682 293,682 292,682 291,682 290,682 289,682 288,682 287,682 286,682 285,682 284,682 283,682 282,682 281,682 280,682 279,682 278,682 277,682 276,682 275,682 274,682 273,682 272,682 271,682 270,682 269,682 268,682 267,682 266,682 265,682 264,682 263,682 262,682 261,682 260,682 259,682 258,682 257,682
294,705 293,697 292,665 291,706 290,631 289,731 288,725 287,768 286,783 285,700 284,721 283,694 282,668 281,644 280,626 279,620 278,654 277,709 276,765 275,575 274,548 273,737 272,771 271,577 270,512 269,614 268,574 267,513 266,557 265,626 264,621 263,509 262,454 261,582 260,651 259,523 258,515 257,520
124,5
125,0
125,5
126,0
126,5
127,0
127,5
128,0
R=280m
V=75km/h; D=143mm; I=95mm; alfas=59,5069g;
Lk1=72,780m; do=189,791m; Lk2=71,087m
R=280m
V=75km/h; D=143mm; I=95mm; alfas=26,9686g;
Lk1=70,801m; do=47,140m; Lk2=72,147m
R=280m
V=75km/h; D=143mm; I=95mm; alfas=27,0633g;
Lk1=70,393m; do=48,705m; Lk2=70,258m
R=280m
V=75km/h; D=143mm; I=95mm; alfas=56,6532g;
Lk1=71,511m; do=159,793m; Lk2=107,250m
R=280m
V=75km/h; D=143mm; I=95mm; alfas=71,1591g;
Lk1=107,250m; do=205,724m; Lk2=107,250m
V=75km/h;
Lk1=70,2
KO 554,671
KP/ZP/BO 627,451
ZO 700,232
KO 890,023
KP/ZP/BO 961,109
ZO 32,196
KO 114,621
KP/ZP/BO 185,423
ZO 256,224
KO 303,364
KP/ZP/BO 375,511
ZO 447,658
KO 544,847
KP/ZP/BO 615,240
ZO 685,633
KO 734,338
KP/ZP/BO 804,596
ZO 874,854
KO 950,027
KP/ZP/BO 21,538
ZO 93,049
KO 252,842
KP 360,092
ZP 377,135
ZO 484,385
KO 603,962
KP 711,212
ZP 794,305
ZO 882,805
KO 975,067
KP 63,567
ZP 115,846
ZO 223,096
KO 428,820
KP 536,070
ZP 594,011
ZO 701,261
KO 944,228
KP/ZP/BO 14,512
ZO 84,795
R=280m
43mm; I=95mm; alfas=71,8897g;
; do=244,015m; Lk2=72,780m
R=280m
V=75km/h; D=143mm; I=95mm; alfas=34,8707g;
Lk1=71,087m; do=82,425m; Lk2=70,801m
R=280m
V=75km/h; D=143mm; I=95mm; alfas=38,3016g;
Lk1=72,147m; do=97,189m; Lk2=70,393m
R=280m
V=75km/h; D=143mm; I=95mm; alfas=33,2082g;
Lk1=70,258m; do=75,173m; Lk2=71,511m
Přímá 17,043m
R=280m
V=75km/h; D=143mm; I=95mm; alfas=51,5722g;
Lk1=107,250m; do=119,576m; Lk2=107,250m
Přímá 83,093m
R=340m
V=75km/h; D=118mm; I=78mm; alfas=33,8461g;
Lk1=88,500m; do=92,262m; Lk2=88,500m
Přímá 52,279m
Přímá 57,940m
R=280m
V=75km/h; D=143mm; I=95mm; alfas=75,4245g;
Lk1=107,250m; do=242,967m; Lk2=70,284m


Ivančice | Moravské Bránice
POSUN OBLOUKU dl. 120 m
POSUN OBLOUKU dl. 60 m
ŽST Moravské Bránice dl.1704,476m
km 130,527 303
km 132,231 779
Rv=6000m
tz=1,500m
yv=0,000m
l Ná Réně dl. 147,32m
Rv=6000m
tz=2,700m
yv=0,001m
Rv=6000m
tz=28,800m
yv=0,069m
Rv=3000m
tz=9,000m
yv=0,013m
Rv=6000m
tz=14,100m
yv=0,017m
Rv=6000m
tz=18,000m
yv=0,027m
Rv=6000m
tz=10,500m
yv=0,009m
Rv=4000m
tz=13,600m
yv=0,023m
Rv=600
tz=6,600r
yv=0,004
km 128,196 088
Začátek tunelu
km 128,344 324
Konec tunelu
km 128,653 107
Propustek sv.k. 1,3 m
Ev. km 128,592, sanace
km 128,905 233
Most žb. sv.k. 8,50 m
km 129,501 059
Propustek žb. sv.k. 2,0 m
km 130,287 092
Ivančický viadukt spř. ocbet.
celk.dl. 395,00m
km 130,876 175
Propustek tr. sv.k. 1,0 m
km 131,022 819
Propustek žb. sv.k. 2,0 m
km 131,471 920
Most žb. sv.k. 14,00 m
náhrada P3939!
km 131,616 808
Propustek žb. sv.k. 2,0 m
km 131,988 457
Propustek tr. sv.k. 1,0 m
km 132,128 753
Propustek žb. sv.k. 2,0 m
km 132,210 917
Most žb. sv.k. 14,00 m
náhrada P3940!
254,982
249,417
239,097
239,097
239,973
248,511
249,780
250,236
2
0,107
0,039
0,119
0,095
0,106
0,090
0,075
0,104
0,107
0,067
0,040
-0,002
-0,026
0,108
-0,023
-0,086
-0,026
0,045
-0,075
0,116
0,013
0,004
-0,004
0,082
-0,332
-0,520
-0,481
-0,447
-0,264
-0,055
0,070
-0,154
-0,183
-0,037
-0,147
-0,195
-0,062
-0,067
-0,030
-0,229
-0,384
256,682
255,682
254,667
253,617
252,567
251,517
250,467
249,417
248,457
247,497
246,537
245,577
244,617
243,657
242,697
241,737
240,777
239,817
239,098
239,097
239,097
239,097
239,097
239,180
239,780
240,700
241,770
242,840
243,910
244,980
246,050
247,120
248,190
248,840
249,310
249,770
249,900
250,020
250,140
250,396
251,196
256,574
255,643
254,547
253,522
252,460
251,427
250,391
249,313
248,349
247,429
246,496
245,579
244,642
243,549
242,720
241,823
240,803
239,771
239,173
238,980
239,084
239,092
239,101
239,099
240,113
241,220
242,250
243,287
244,174
245,035
245,980
246,965
248,007
248,877
249,162
249,575
249,962
250,087
250,169
250,166
250,812
180,000m Bpv
128,5
129,0
129,5
130,0
130,5
131,0
131,5
132,0
stoupá 6,00 ‰
stoupá 8,00 ‰
370,000
900,000
975,000
486,023
632,108
430,000
700,000
80,000
239,779
stoupá 4,70 ‰
stoupá 1,20 ‰
dl. 4250,000 m
klesá 10,50 ‰
dl. 530,000 m
klesá 9,60 ‰
dl. 1075,000 m
vodorovná 0,00 ‰
dl. 511,023m
stoupá 10,70 ‰
dl. 797,892 m
dl. 270,000 m
dl. 380,000 m
dl. 146,085 m
dl. 159,779 m
R=280m
D=143mm; I=95mm; alfas=90,7371g;
84m; do=324,949m; Lk2=77,984m
R=300m
V=75km/h; D=122mm; I=100mm; alfas=24,6011g;
Lk1=66,809m; do=36,775m; Lk2=91,500m
R=275m
V=75km/h; D=146mm; I=96mm; alfas=52,9173g;
Lk1=109,500m; do=130,909m; Lk2=85,855m
R=600m
V=80km/h; D=52mm; I=74mm; alfas=11,5276g;
Lk1=33,280m; do=71,205m; Lk2=41,600m
R=355m
V=80km/h; D=116mm; I=97mm; alfas=26,3603g;
Lk1=74,240m; do=81,951m; Lk2=55,845m
R=280m
V=75km/h; D=145mm; I=93mm; alfas=65,6466g;
Lk1=71,745m; do=217,540m; Lk2=70,633m
R=1200m
V=75km/h; D=0mm; I=56mm; alfas=4,3914g;
Lk1=0,000m; do=82,776m; Lk2=0,000m
V=75km/
Lk1=94
KO 409,744
KP/ZP/BO 487,728
ZO 564,622
KO 186,014
KP/ZP/BO 263,228
ZO 330,037
KO 366,812
KP 458,312
ZP 563,809
ZO 673,309
KO 804,219
KP/ZP/BO 890,073
ZO 932,412
KO 27,571
KP 85,171
ZP 486,023
ZO 519,303
KO/ZPm 590,508
KPm/ZO 632,108
KO 731,114
ZP 809,066
ZO 883,306
KO 965,257
KP/ZP/BO 21,102
ZO 63,949
KO 121,878
KP/ZP/BO 165,914
ZO 237,659
KO 455,199
KP 525,832
ZO 801,263
KO 884,039
ZP 1,790
ZO 44,290
KO 98,316
KP 140,816
ZP 239,779
R=285m
V=75km/h; D=141mm; I=92mm; alfas=156,0155g;
Lk1=76,894m; do=621,392m; Lk2=77,214m
Přímá 105,497m
R=500m
V=80km/h; D=72mm; I=80mm; alfas=18,4784g;
Lk1=42,339m; do=95,159m; Lk2=57,600m
Přímá 400,852m
R=1900m
V=80km/h; D=0mm; I=40mm; alfas=4,0142g;
Lk1=41,600m; do=99,006m; Lk2=0,000m
Přímá 77,952m
R=400m
V=80km/h; D=89mm; I=100mm; alfas=16,1336g;
Lk1=42,847m; do=57,929m; Lk2=44,036m
Přímá 275,431m
Přímá 117,751m
R=400m
Přímá 98,962m
V=75km/h; D=66mm; I=100mm; alfas=15,3627g;
Lk1=42,500m; do=54,027m; Lk2=42,500m


Moravské Bránice | Silůvky
PŘELOŽKA dl. 470 m
Rv=6000m
tz=3,600m
yv=0,001m
Rv=6000m
tz=21,000m
yv=0,037m
ŽST Sil
0m
51,514
km 132,470 137
Propustek sv.k. 1,6 m
Ev. km 132,418, sanace
km 132,762 661
Most sv.k. 7,50 m
Ev. km 132,712, sanace
km 133,087 416
Propustek tr. sv.k. 1,0 m
km 133,264 494
Nadjezd ÚK
náhrada P3941!
km 133,288 379
Propustek tr. sv.k. 1,0 m
km 133,652 819
Propustek tr. sv.k. 1,0 m
km 134,052 265
Nadjezd III/15258
km 134,474 756
Přejezd P3942 II/152
km 134,505 008
Propustek tr. sv.k. 1,0 m
km 134,761 353
Most žb. sv.k. 6,00 m
km 135,044 789
Propustek tr. sv.k. 1,0 m
km 135,090 467
Propustek žb. sv.k. 2,0 m
km 135,225 174
Propustek tr. sv.k. 1,0 m
km 135,387 215
Propustek tr. sv.k. 1,0 m
km 135,597 912
Propustek žb. sv.k. 2,0 m
km 135,743 567
Propustek sv.k. 1,80 m
Ev. km 135,727, sanace
286,298
288,368
km 135,801 204
-0,007 -0,071 -0,120 -0,213 -0,123 -0,079 -0,047 0,000 -0,034 -0,142 -0,201 -0,119 -0,110 -0,027 -0,076 -0,125 -0,150 -0,096 -0,170 -0,087 -0,098 -0,176 -0,104 -0,108 -0,085 0,124 0,008 -0,083 -0,070 -0,026 -0,126 -0,071 -0,041 -0,013 -0,113 -0,292 -0,015 0,005
252,128 253,148 254,168 255,188 256,208 257,228 258,248 259,268 260,288 261,308 262,328 263,348 264,368 265,388 266,408 267,428 268,448 269,468 270,488 271,508 272,528 273,548 274,568 275,588 276,608 277,628 278,648 279,668 280,688 281,708 282,728 283,748 284,768 285,788 286,748 287,648 288,408 288,608
252,135 253,219 254,288 255,401 256,331 257,307 258,295 259,268 260,322 261,450 262,529 263,467 264,478 265,415 266,484 267,553 268,598 269,564 270,658 271,595 272,626 273,724 274,672 275,696 276,523 277,504 278,640 279,585 280,618 281,734 282,854 283,819 284,809 285,775 286,861 287,940 288,423 288,603
132,5
133,0
133,5
134,0
134,5
135,0
135,5
136,
650,000
stoupá 9,00 ‰
880,000
stoupá 10,20 ‰
dl. 3410,221 m
dl. 230,000 m
stoupá 2,
R=275m
h; D=146mm; I=96mm; alfas=48,6119g;
4,000m; do=127,409m; Lk2=71,160m
R=345m
V=85km/h; D=148mm; I=100mm; alfas=98,5739g;
Lk1=100,644m; do=420,974m; Lk2=125,800m
R=280m
V=75km/h; D=140mm; I=98mm; alfas=114,5103g;
Lk1=105,000m; do=398,643m; Lk2=105,000m
R=2000m
V=75km/h; D=0mm; I=34mm;
Lk1=0,000m; do=45,046m;
ZO 333,779
KO 461,187
KP/ZP/BO 532,347
ZO 599,608
KO 877,938
KP/ZP/BO 971,782
ZO 72,426
KO 493,400
KP 619,200
ZP 767,573
ZO 840,673
KO 896,283
KP 969,383
ZP 46,595
ZO 147,575
KO 364,316
KP 465,296
ZP 536,987
ZO 656,987
KO 872,597
KP 992,597
ZP 183,561
ZO 288,561
KO 687,204
KP 792,204
ZO 946,585
KO 991,631
R=290m
V=75km/h; D=138mm; I=91mm; alfas=78,7833g;
Lk1=67,261m; do=278,330m; Lk2=93,844m
Přímá 148,372m
R=600m
V=85km/h; D=86mm; I=57mm; alfas=13,6566g;
Lk1=73,100m; do=55,610m; Lk2=73,100m
Přímá 77,212m
R=390m
V=85km/h; D=132mm; I=87mm; alfas=51,8635g;
Lk1=100,980m; do=216,741m; Lk2=100,980m
Přímá 71,690m
R=305m
V=80km/h; D=150mm; I=98mm; alfas=70,0512g;
Lk1=120,000m; do=215,610m; Lk2=120,000m
Přímá 190,964m
Přímá 154,382m


Silůvky | Prštice
PŘELOŽKA dl.
Brno
Rv=2500m
tz=10,250m
yv=0,021m
zast. Prštice dl.
prostorová r
ůvky dl.664,325m
km 136,166 738
Propustek sv.k. 1,00 m
Ev. km 136,149, sanace
km 136,247 971
Přejezd P3943 MK
km 136,437 895
Propustek žb. sv.k. 2,0 m
km 136,808 971
Propustek tr. sv.k. 1,0 m
km 137,049 416
Propustek žb. sv.k. 2,0 m
km 137,205 524
Propustek tr. sv.k. 1,0 m
289,562
km 136,465 529
km 137,097 434
Opěrná zeď v. 5,00m, dl.
km 137,055 746
0,007
0,020
-0,015
-0,003
0,032
0,029
0,006
-0,008
-0,045
0,029
0,019
-0,063
288,808
289,008
289,208
289,408
289,797
290,817
291,837
292,857
293,877
294,897
295,917
296,937
288,801
288,988
289,223
289,411
289,765
290,787
291,831
292,865
293,921
294,868
295,898
296,999
0
136,5
137,0
477,000
00 ‰
dl. 597,000 m
stoupá 10,20 ‰
R=287m
V=75km/h; D=140mm; I=92mm; alfas=116,8108g;
Lk1=76,892m; do=435,659m; Lk2=105,000m
alfas=1,4339g;
Lk2=0,000m
ZP 250,924
ZO 272,924
KO 490,685
KP/ZP/BO 520,892
ZO 597,785
KO 33,443
KP 138,443
ZP
Přímá 259,292m
R=305m
V=60km/h; D=55mm; I=85mm; alfas=50,9014g;
Lk1=22,000m; do=217,761m; Lk2=30,208m
Přímá 97,571

SOUŘADNICOVÝ S-JTSK, VÝŠKOVÝ SYSTÉM Bpv

OBJEDNATEL:

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Ing. VLADISLAV ŠEFL	Ing. ĽUBOMÍR BEŇÁK	Ing. ĽUBOMÍR BEŇÁK	Rotschein Ing. PETR ROTSCHEIN

NÁZEV PROJEKTU:

STUDIE PROVEDITELNOSTI
ŽELEZNIČNÍHO SPOJENÍ BRNO - ZNOJMO

ČÁST: PODÉLNÉ PROFILY

PŘÍLOHA: TRAŤ MOR. KRUMLOV - SILŮVKY, VARIANTA 1', 1A' A 3

		ČÁST DOKUMENTACE:	ČÍSLO PŘÍLOHY:
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