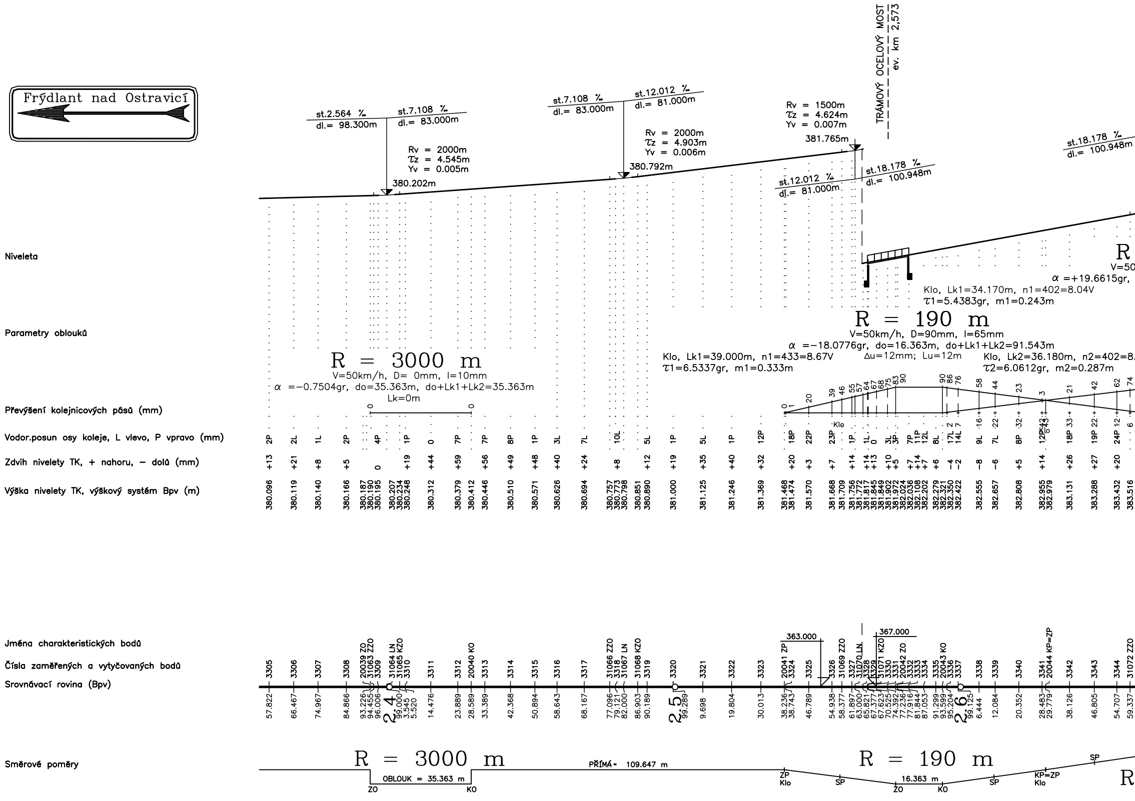
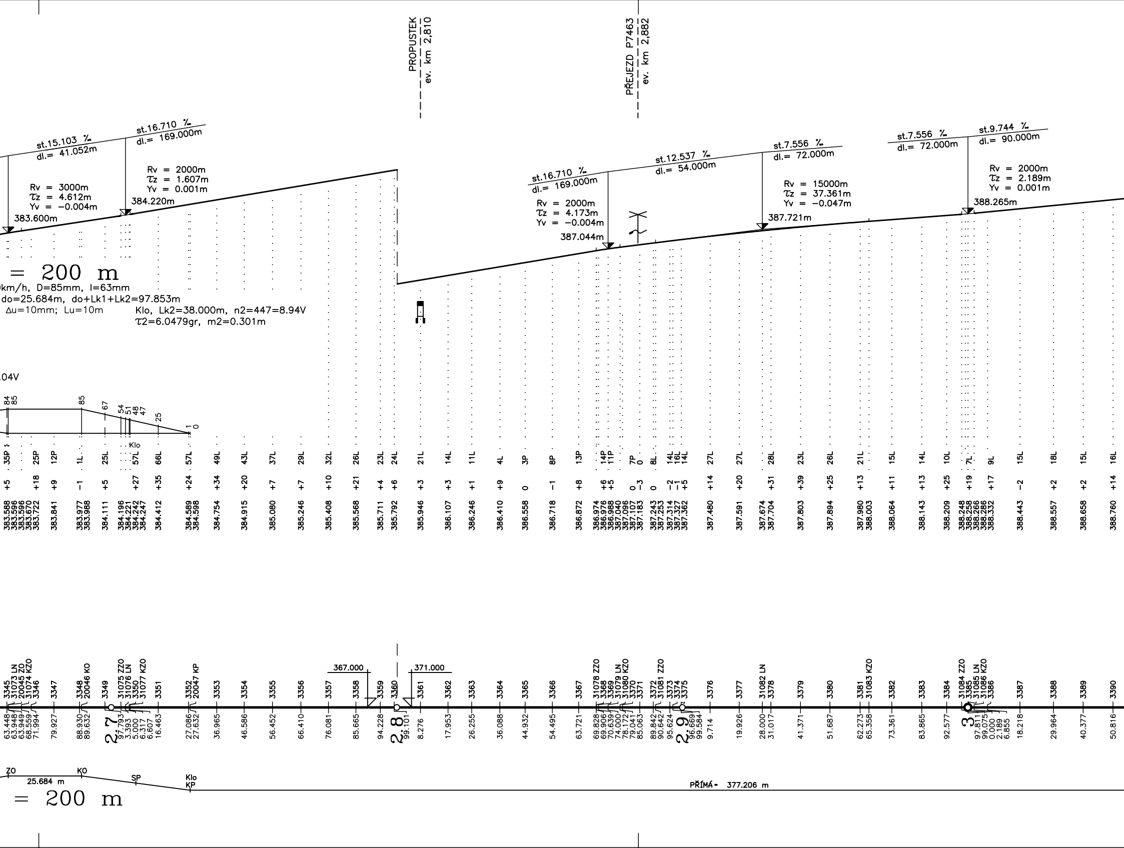
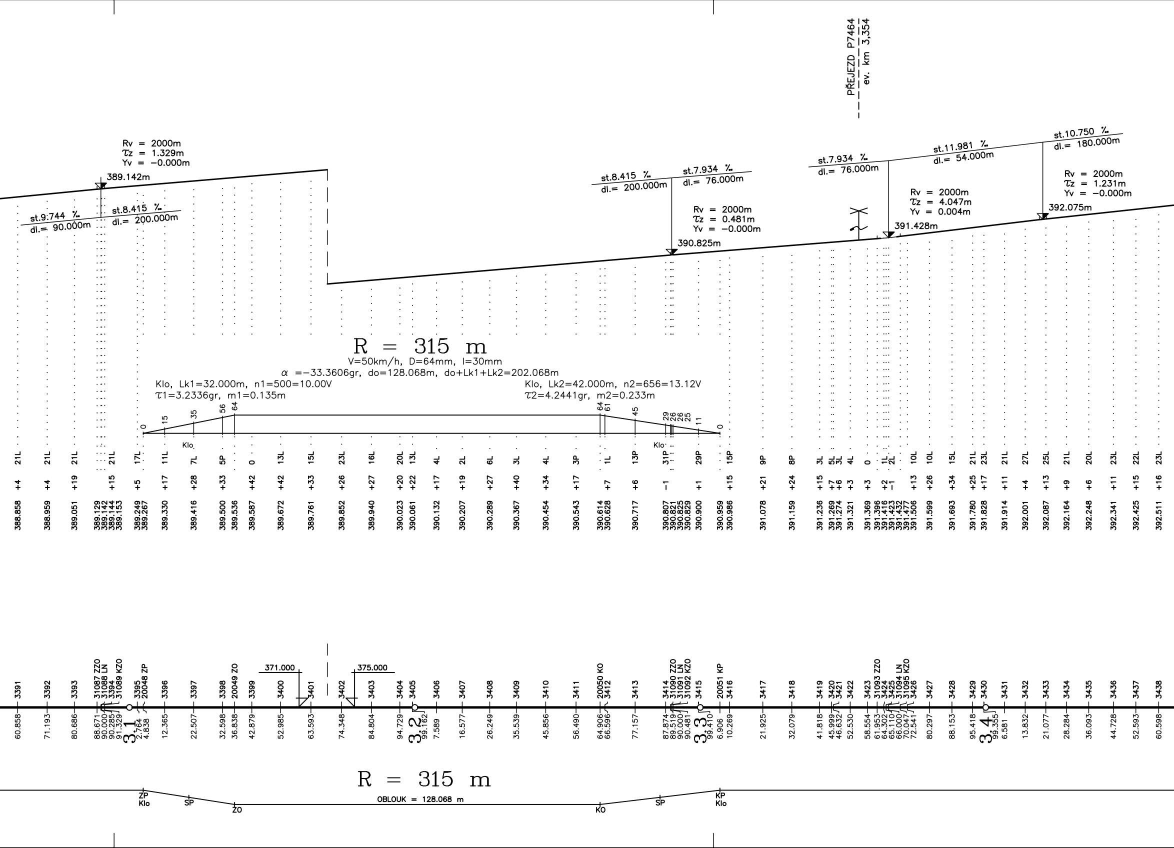
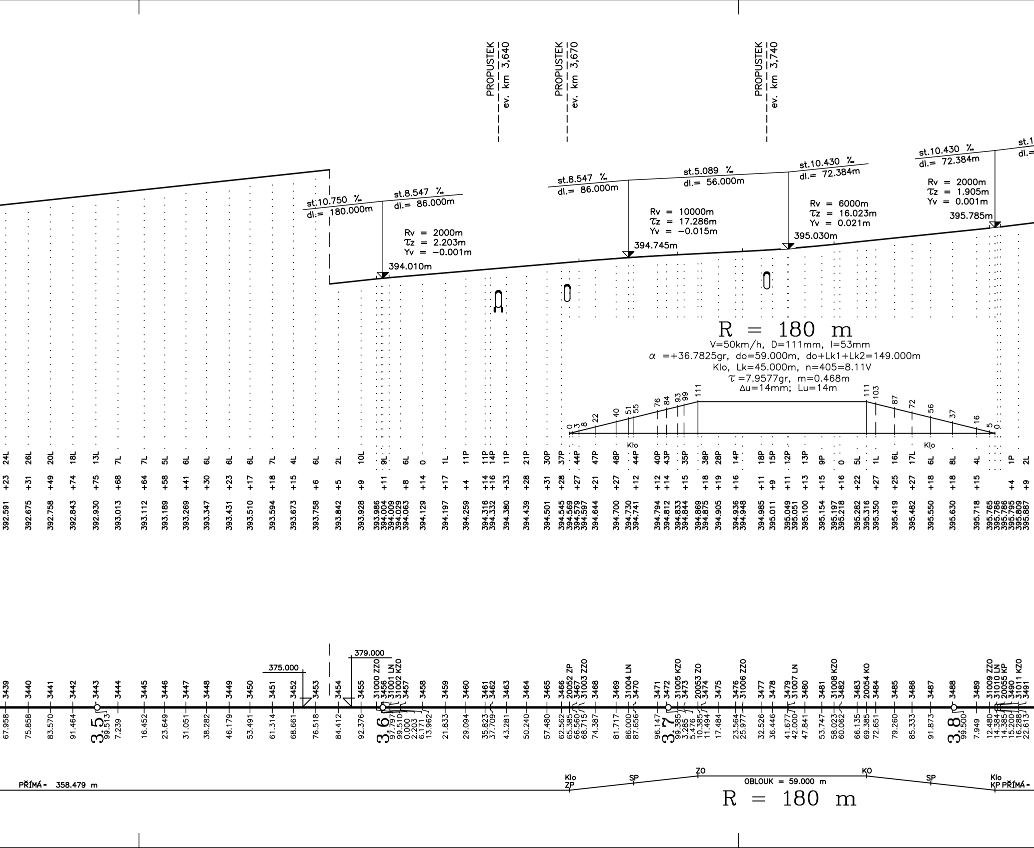
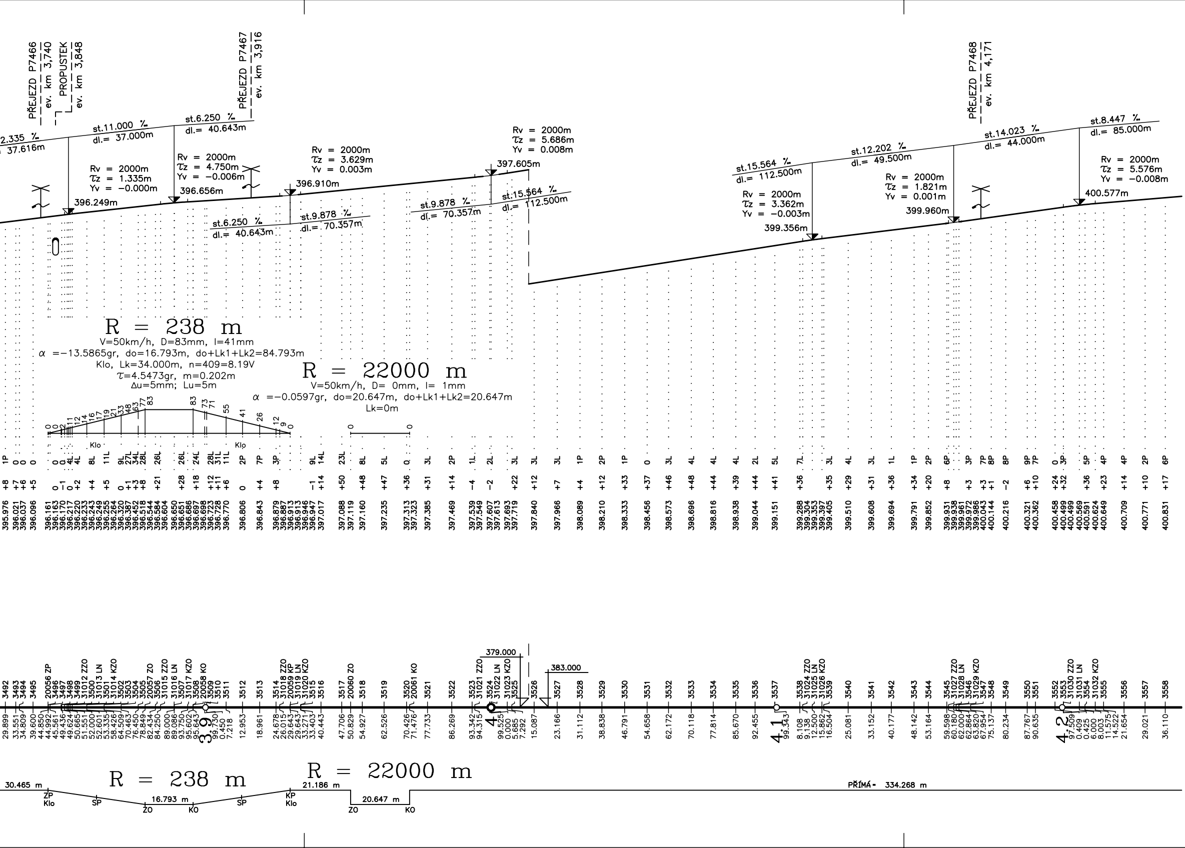

Frýdlant nad Ostravicí
Niveleta
Parametry oblouků
Převýšení kolejnicových pásů (mm)
Vodor.posun osy koleje, L vlevo, P vpravo (mm)
Zdvih nivelety TK, + nahoru, – dolů (mm)
Výška nivelety TK, výškový systém Bpv (m)
Jména charakteristických bodů
Čísla zaměřených a vytyčovaných bodů
Srovnávací rovina (Bpv)
Směrové poměry
st.2.564 ‰
dl.= 98.300m
st.7.108 ‰
dl.= 83.000m
Rv = 2000m
τz = 4.545m
Yv = 0.005m
380.202m
st.7.108 ‰
dl.= 83.000m
st.12.012 ‰
dl.= 81.000m
Rv = 2000m
τz = 4.903m
Yv = 0.006m
380.792m
Rv = 1500m
τz = 4.624m
Yv = 0.007m
381.765m
st.12.012 ‰
dl.= 81.000m
st.18.178 ‰
dl.= 100.948m
TRÁMOVÝ OCELOVÝ MOST
ev. km 2,573
st.18.178 ‰
dl.= 100.948m
R = 3000 m
V=50km/h, D= 0mm, I=10mm
α =–0.7504gr, do=35.363m, do+Lk1+Lk2=35.363m
Lk=0m
R = 190 m
V=50km/h, D=90mm, I=65mm
α =–18.0776gr, do=16.363m, do+Lk1+Lk2=91.543m
Klo, Lk1=39.000m, n1=433=8.67V
τ1=6.5337gr, m1=0.333m
Δu=12mm; Lu=12m
Klo, Lk2=36.180m, n2=402=8.
τ2=6.0612gr, m2=0.287m
Klo, Lk1=34.170m, n1=402=8.04V
τ1=5.4383gr, m1=0.243m
α =+19.6615gr,
V=50
R
0 0
0 1 20 39 46 55 57 64 67 68 75 83 90 90 86 76 58 44 23 3 21 42 62 74
Klo 16 22 32 42 43 33 22 12 6
2P 2L 1L 2P 4P 1P 0 7P 7P 8P 1P 3L 7L 10L 5L 1P 5L 1P 12P 18P 22P 23P 1P 1L 0 3L 3P 7P 11P 12L 8L 17L 14L 9L 7L 8P 12P 18P 19P 24P
+13 +21 +8 +5 0 +19 +44 +59 +56 +49 +48 +40 +24 +8 +12 +19 +35 +40 +32 +20 +3 +7 +14 +14 +13 +10 +5 +7 +14 +7 +6 –4 –2 –8 –6 +5 +14 +26 +27 +20
380.096 380.119 380.140 380.166 380.187 380.190 380.195 380.207 380.234 380.248 380.312 380.379 380.412 380.446 380.510 380.571 380.626 380.694 380.757 380.773 380.798 380.851 380.890 381.000 381.125 381.246 381.369 381.468 381.474 381.570 381.668 381.709 381.756 381.772 381.817 381.845 381.849 381.902 381.972 382.024 382.036 382.108 382.202 382.279 382.321 382.350 382.422 382.555 382.657 382.808 382.955 382.979 383.131 383.288 383.432 383.516
20039 ZO 31063 ZZO 31064 LN 31065 KZO 20040 KO 31066 ZZO 31067 LN 31068 KZO 20041 ZP 31069 ZZO 31070 LN 31071 KZO 20042 ZO 20043 KO 20044 KP=ZP 31072 ZZO
363.000 367.000
3305 3306 3307 3308 3309 3310 3311 3312 3313 3314 3315 3316 3317 3318 3319 3320 3321 3322 3323 3324 3325 3326 3327 3328 3329 3330 3331 3332 3333 3334 3335 3336 3337 3338 3339 3340 3341 3342 3343 3344
57.822 66.467 74.967 84.866 93.226 94.455 96.006 99.000 3.545 5.520 14.476 23.889 28.589 33.389 42.368 50.894 58.643 68.167 77.096 79.121 82.000 86.903 90.189 99.289 9.698 19.804 30.013 38.236 38.743 46.789 54.938 58.377 61.897 63.000 65.821 67.377 67.623 70.525 74.392 77.236 77.916 81.844 87.053 91.299 93.599 95.204 99.125 6.444 12.084 20.352 28.483 29.779 38.126 46.805 54.707 59.337
2.4 2.5 2.6
R = 3000 m
OBLOUK = 35.363 m
ZO KO
PŘÍMÁ - 109.647 m
R = 190 m
ZP Klo SP 16.363 m ZO KO SP KP=ZP Klo SP
R

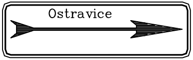

PROPUSTEK
ev. km 2,810
PŘEJEZD P7463
ev. km 2,882
st.15.103 ‰
dl.= 41.052m
st.16.710 ‰
dl.= 169.000m
Rv = 3000m
τz = 4.612m
Yv = −0.004m
383.600m
Rv = 2000m
τz = 1.607m
Yv = 0.001m
384.220m
st.16.710 ‰
dl.= 169.000m
Rv = 2000m
τz = 4.173m
Yv = −0.004m
387.044m
st.12.537 ‰
dl.= 54.000m
st.7.556 ‰
dl.= 72.000m
Rv = 15000m
τz = 37.361m
Yv = −0.047m
387.721m
st.7.556 ‰
dl.= 72.000m
st.9.744 ‰
dl.= 90.000m
Rv = 2000m
τz = 2.189m
Yv = 0.001m
388.265m
= 200 m
km/h, D=85mm, I=63mm
do=25.684m, do+Lk1+Lk2=97.853m
Δu=10mm; Lu=10m
Klo, Lk2=38.000m, n2=447=8.94V
τ2=6.0479gr, m2=0.301m
.04V
Klo
367.000
371.000
2,7
2,8
2,9
3,0
ZO
25.684 m
KO
SP
Klo
KP
PŘÍMÁ - 377.206 m
= 200 m


PŘEJEZD P7464
ev. km 3,354
Rv = 2000m
τz = 1.329m
Yv = −0.000m
389.142m
st.9.744 ‰
dl.= 90.000m
st.8.415 ‰
dl.= 200.000m
st.8.415 ‰
dl.= 200.000m
st.7.934 ‰
dl.= 76.000m
Rv = 2000m
τz = 0.481m
Yv = −0.000m
390.825m
st.7.934 ‰
dl.= 76.000m
st.11.981 ‰
dl.= 54.000m
st.10.750 ‰
dl.= 180.000m
Rv = 2000m
τz = 4.047m
Yv = 0.004m
391.428m
Rv = 2000m
τz = 1.231m
Yv = −0.000m
392.075m
R = 315 m
V=50km/h, D=64mm, I=30mm
α =−33.3606gr, do=128.068m, do+Lk1+Lk2=202.068m
Klo, Lk1=32.000m, n1=500=10.00V
τ1=3.2336gr, m1=0.135m
Klo, Lk2=42.000m, n2=656=13.12V
τ2=4.2441gr, m2=0.233m
0 15 35 56 64
64 61 45 29 26 26 25 11 0
Klo
Klo
21L 21L 21L 21L 17L 11L 7L 5P 0 13L 15L 23L 16L 20L 13L 4L 2L 6L 3L 4L 3P 1L 13P 31P 29P 15P 9P 8P 3L 5L 3L 4L 0 1L 2L 10L 10L 15L 21L 23L 21L 27L 25L 21L 20L 23L 22L 23L
+4 +4 +19 +15 +5 +17 +28 +33 +42 +42 +33 +26 +27 +20 +22 +17 +19 +27 +40 +34 +17 +7 +6 −1 +1 +15 +21 +24 +15 +7 +6 +3 +3 +2 −1 +13 +26 +34 +25 +17 +11 +4 +13 +9 +6 +11 +15 +16
388.858 388.959 389.051 389.129 389.142 389.144 389.153 389.249 389.267 389.330 389.416 389.500 389.536 389.587 389.672 389.761 389.852 389.940 390.023 390.061 390.132 390.207 390.289 390.367 390.454 390.543 390.614 390.628 390.717 390.807 390.821 390.825 390.829 390.900 390.959 390.986 391.078 391.159 391.236 391.269 391.274 391.321 391.369 391.396 391.416 391.423 391.432 391.477 391.506 391.599 391.693 391.780 391.828 391.914 392.001 392.087 392.164 392.248 392.341 392.425 392.511
371.000
375.000
3391 3392 3393 31087 ZZO 31088 LN 3394 31089 KZO 3395 20048 ZP 3396 3397 3398 20049 ZO 3399 3400 3401 3402 3403 3404 3405 3406 3407 3408 3409 3410 3411 20050 KO 3412 3413 3414 31090 ZZO 31091 LN 31092 KZO 3415 20051 KP 3416 3417 3418 3419 3420 3421 3422 3423 31093 ZZO 3424 3425 31094 LN 31095 KZO 3426 3427 3428 3429 3430 3431 3432 3433 3434 3435 3436 3437 3438
60.858 71.193 80.686 88.671 90.000 90.285 91.329 2.764 4.838 12.365 22.507 32.598 36.838 42.879 52.985 63.593 74.348 84.804 94.729 99.162 7.589 16.577 26.249 35.539 45.856 56.490 64.906 66.596 77.157 87.874 89.519 90.000 90.481 99.410 6.906 10.269 21.925 32.079 41.818 45.999 46.632 52.530 58.554 61.953 64.302 65.110 66.000 70.047 72.541 80.297 88.153 95.418 99.355 6.581 13.832 21.077 28.284 36.093 44.728 52.593 60.598
3.1 3.2 3.3 3.4
R = 315 m
ZP Klo
SP
ZO
OBLOUK = 128.068 m
KO
SP
KP Klo



PROPUSTEK ev. km 3,640
PROPUSTEK ev. km 3,670
PROPUSTEK ev. km 3,740
st.10.750 ‰ dl.= 180.000m
st.8.547 ‰ dl.= 86.000m
Rv = 2000m
τz = 2.203m
Yv = −0.001m
394.010m
st.8.547 ‰ dl.= 86.000m
st.5.089 ‰ dl.= 56.000m
Rv = 10000m
τz = 17.286m
Yv = −0.015m
394.745m
st.10.430 ‰ dl.= 72.384m
Rv = 6000m
τz = 16.023m
Yv = 0.021m
395.030m
st.10.430 ‰ dl.= 72.384m
Rv = 2000m
τz = 1.905m
Yv = 0.001m
395.785m
R = 180 m
V=50km/h, D=111mm, I=53mm
α =+36.7825gr, do=59.000m, do+Lk1+Lk2=149.000m
Klo, Lk=45.000m, n=405=8.11V
τ =7.9577gr, m=0.468m
Δu=14mm; Lu=14m
0 3 8 22 40 51 55 76 84 93 99 111
111 103 87 72 56 37 16 5 0
Klo
Klo
24L 26L 20L 18L 13L 7L 7L 5L 6L 6L 6L 6L 7L 4L 6L 2L 10L 9L 6L 0 1L 11P 11P 14P 11P 21P 30P 37P 44P 47P 48P 44P 40P 43P 35P 38P 28P 14P 18P 15P 12P 13P 9P 0 5L 1L 16L 17L 6L 8L 4L 1P 2L
+23 +31 +49 +74 +75 +68 +64 +58 +41 +30 +23 +17 +18 +15 +6 +5 +9 +11 +8 +14 +17 +4 +14 +16 +33 +28 +31 +28 +27 +21 +27 +12 +12 +14 +15 +18 +19 +16 +11 +9 +11 +13 +15 +16 +22 +27 +25 +27 +18 +18 +15 +4 +9
392.591 392.675 392.758 392.843 392.930 393.013 393.112 393.189 393.269 393.347 393.431 393.510 393.594 393.673 393.758 393.842 393.928 393.986 394.004 394.009 394.029 394.063 394.129 394.197 394.259 394.316 394.332 394.380 394.439 394.501 394.545 394.569 394.579 394.597 394.644 394.700 394.730 394.741 394.794 394.812 394.833 394.844 394.869 394.875 394.905 394.936 394.948 394.985 395.011 395.049 395.051 395.100 395.154 395.197 395.218 395.282 395.316 395.350 395.419 395.482 395.550 395.630 395.718 395.765 395.786 395.786 395.795 395.809 395.887
375.000
379.000
3439 3440 3441 3442 3443 3444 3445 3446 3447 3448 3449 3450 3451 3452 3453 3454 3455 31000 ZZO 3456 31001 LN 31002 KZO 3457 3458 3459 3460 3461 3462 3463 3464 3465 3466 20052 ZP 3467 31003 ZZO 3468 3469 31004 LN 3470 3471 3472 31005 KZO 3473 20053 ZO 3474 3475 3476 31006 ZZO 3477 3478 3479 31007 LN 3480 3481 31008 KZO 3482 3483 20054 KO 3484 3485 3486 3487 3488 3489 31009 ZZO 31010 LN 20055 KP 3490 31011 KZO 3491
67.958 75.858 83.570 91.464 3.5 99.513 7.239 16.452 23.649 31.051 38.282 46.179 53.491 61.314 68.661 76.518 84.412 92.376 3.6 97.797 99.510 0.000 2.203 6.171 13.962 21.833 29.094 35.823 37.709 43.281 50.240 57.480 62.562 65.385 66.560 68.715 74.387 81.717 86.000 87.656 96.147 3.7 99.385 3.285 5.476 10.385 11.494 17.484 23.564 25.977 32.526 36.446 41.677 42.000 47.841 53.747 58.023 60.062 66.135 69.385 72.651 79.260 85.333 91.873 3.8 99.500 7.949 12.480 14.384 14.385 15.200 16.288 22.613
PŘÍMÁ - 358.479 m
Klo ZP
SP
ZO
OBLOUK = 59.000 m
KO
SP
Klo KP PŘÍMÁ -
R = 180 m


PŘEJEZD P7466
ev. km 3,740
PROPUSTEK
ev. km 3,848
PŘEJEZD P7467
ev. km 3,916
PŘEJEZD P7468
ev. km 4,171
2.335 ‰
37.616m
st.11.000 ‰
dl.= 37.000m
st.6.250 ‰
dl.= 40.643m
Rv = 2000m
τz = 1.335m
Yv = −0.000m
396.249m
Rv = 2000m
τz = 4.750m
Yv = −0.006m
396.656m
Rv = 2000m
τz = 3.629m
Yv = 0.003m
396.910m
Rv = 2000m
τz = 5.686m
Yv = 0.008m
397.605m
st.6.250 ‰
dl.= 40.643m
st.9.878 ‰
dl.= 70.357m
st.9.878 ‰
dl.= 70.357m
st.15.564 ‰
dl.= 112.500m
st.15.564 ‰
dl.= 112.500m
st.12.202 ‰
dl.= 49.500m
st.14.023 ‰
dl.= 44.000m
st.8.447 ‰
dl.= 85.000m
Rv = 2000m
τz = 3.362m
Yv = −0.003m
399.356m
Rv = 2000m
τz = 1.821m
Yv = 0.001m
399.960m
Rv = 2000m
τz = 5.576m
Yv = −0.008m
400.577m
R = 238 m
V=50km/h, D=83mm, I=41mm
α =−13.5865gr, do=16.793m, do+Lk1+Lk2=84.793m
Klo, Lk=34.000m, n=409=8.19V
τ=4.5473gr, m=0.202m
Δu=5mm; Lu=5m
R = 22000 m
V=50km/h, D= 0mm, I= 1mm
α =−0.0597gr, do=20.647m, do+Lk1+Lk2=20.647m
Lk=0m
Klo
Klo
395.976
396.021
396.037
396.096
396.161
396.163
396.170
396.217
396.220
396.233
396.243
396.249
396.255
396.264
396.320
396.387
396.452
396.518
396.544
396.584
396.604
396.650
396.651
396.686
396.697
396.698
396.723
396.728
396.770
396.806
396.843
396.879
396.887
396.913
396.946
396.947
397.017
397.088
397.119
397.160
397.235
397.313
397.323
397.385
397.469
397.539
397.549
397.607
397.613
397.693
397.719
397.840
397.966
398.089
398.210
398.333
398.456
398.573
398.696
398.816
398.938
399.044
399.151
399.288
399.304
399.353
399.397
399.405
399.510
399.608
399.694
399.791
399.852
399.931
399.938
399.961
399.972
399.986
400.043
400.144
400.216
400.321
400.362
400.458
400.499
400.499
400.569
400.591
400.624
400.649
400.709
400.771
400.831
379.000
383.000
3.9
4.0
4.1
4.2
R = 238 m
R = 22000 m
30.465 m
ZP
Klo
SP
16.793 m
ZO
KO
SP
KP
Klo
21.186 m
20.647 m
ZO
KO
PŘÍMÁ - 334.268 m



SYSTÉM ŘÍZENÍ KVALITY
ISO 9001:2008
SŽG OLOMOUC

SOUŘADNICOVÝ SYSTÉM: S-JTSK
VÝŠKOVÝ SYSTÉM: BALT PO VYROVNÁNÍ

	JMÉNO	PODPIS
ZODP. PROJEKTANT	Ing. Tomáš Vachutka	Vachutka
PROJEKTANT	Ing. Lucie Fabiánová	Fabiánová
GEODET	Ing. Karel Parchanský	
KRESLIL	Ing. Lucie Fabiánová	Fabiánová
KONTROLOVAL	Ing. Tomáš Vachutka	Vachutka

SŽDC
Správa železniční dopravní cesty
SŽG
OLOMOUC

Správa železniční dopravní cesty, s. o.
Správa železniční geodézie Olomouc
Nerudova 1, 772 58 Olomouc

GEOMETRICKÉ PARAMETRY KOLEJE

TÚ 2161
FRÝDLANT N.O. - OSTRAVICE

PODÉLNÝ PROFIL, 3. ČÁST
km 2,400 - 4,200

ŘEDITEL	Ing. Václav Klvaňa
DATUM	duben 2015
SCHVÁLIL	
MĚŘÍTKO	1:1000/100
ORGANIZACE	SŽDC, s.o.
ČÍSLO JEDNACÍ	
EVID. ČÍSLO	G720Z7100007
ČÍSLO ISŽGK	

INVESTOR	Správa železniční dopravní cesty, s. o., Dlážděná 1003/7, Praha 1 - Nové Město	ČÍSLO PŘÍLOHY	3.3
STAVBA			