



**R1=400m**  
 V=80km/h; D=90mm; l=99mm;  
 $\alpha=110,27682^\circ$ ; do=841,8960m;  
 $n=10,00V$ ; Xk=71,9417m; m=0,5398m;  
 $t=610,9696m$ ; a=170; Lk=72,0000m;  
 klotoida

**R2=400m**  
 V=80km/h; D=90mm; l=99mm;  
 $\alpha=67,296530^\circ$ ;  
 do=397,8180m; d=541,8180m;  
 $n=10,00V$ ; Xk=71,9417m; Lk=72,0000m; m=0,540m;  
 $t=302,595m$ ; klotoida

**R3=350m**  
 V=80km/h; D=117mm; l=99mm;  
 $\alpha=120,551949^\circ$ ; do=830,0700m;  
 $n=10,00V$ ; Xk=93,6000m; m=1,0423m;  
 $t=661,6156m$ ; a=181; Lp=93,7700m; klotoida

**R4=350m**  
 V=80km/h; D=117mm; l=99mm;  
 $\alpha=94,923329^\circ$ ; do=486,2536m; d=673,4540m;  
 $n=10,00V$ ; Xk=93,4314m; m=1,0423m;  
 $t=429,3533m$ ; a=181; Lk=93,6000m; klotoida

**R36=295m**  
 V=50km/h; D=68mm; l=33mm;  
 $\alpha=34,356311^\circ$ ; do=142,8722m;  
 $n=10,00V$ ; lp=34,0000m;  
 $m=0,1640m$ ; t=108,2452m;  
 $l=34,0113m$ ; kub.par.

**R35=290m**  
 V=50km/h; D=69mm; l=33mm;  $\alpha=15,636116^\circ$ ;  
 do=51,1306m; d=107,1440m;  
 $n=8,12V$ ; lp=28,0000m; m=0,1130m;  
 $t=53,8337m$ ; l=28,0065m; kub.par.

ČVUT v Praze Fakulta dopravní Ústav dopravních systémů	<b>DIPLOMOVÁ PRÁCE</b>
AUTOR	VOLÁK Jan
MĚŘÍTKO	1:5000
PŘÍLOHA	2
DATUM	X/2018

Nová stopa tratě  
 Původní stopa tratě

KP km 13,785 031  
 KO km 13,755 023

**R24=300m**  
 V=50km/h; D=67mm; l=32mm;  
 $\alpha=33,841526^\circ$ ; do=147,1613m;  
 $n=8,96V$ ; lp=30,0000m;  
 $m=0,1264m$ ; t=106,3039m;  
 $l=30,0070m$ ; kub.par.

**R25**  
 R1=160m; R2=238m;  
 R3=199m; V=60km/h; D=81mm;  
 $\alpha=1=73m$ ;  $\alpha_1=25,146474^\circ$ ;  
 do1=57,7294m;  
 $n=8,35V$ ; lp=36,0000m;  
 $m=0,3390m$ ; t=57,2289m;  
 $l=38,0428m$ ; kub.par.  
 $lp_2=0,0000m$ ; t1=39,7944m;  
 $l_2=33mm$ ;  $\alpha_2=10,862103^\circ$ ;  
 $do_2=46,0690m$ ;  $l_3=68mm$ ;  
 $\alpha_3=116,460084^\circ$ ;  
 $do_3=368,4506m$ ; d=568,3466m;  
 $lp_3=0,0000m$ ;  $l_2=327,1334m$ ;  
 $n=8,35V$ ; lp4=38,0000m;  
 $m=0,3058m$ ;  $l_3=345,9472m$ ;  
 $l_4=38,0390m$ ; kub.par.

**R26=299m**  
 V=50km/h; D=67mm; l=32mm;  
 $\alpha=85,934147^\circ$ ; do=410,9257m;  
 $n_1=11,34V$ ; lp1=38,0000m;  
 $m_1=0,2022m$ ; t1=297,6787m;  
 $n_2=11,04V$ ; lp2=37,0000m;  
 $m_2=0,1917m$ ; t2=297,1901m;  
 $l_2=37,0142m$ ; kub.par.

**R27=200m**  
 V=30km/h; D=16mm; l=38mm;  $\alpha=28,940100^\circ$ ;  
 do=93,0195m; d=109,0200m;  
 $n=16,67V$ ; lp=8,0000m; m=0,0133m;  
 $t=55,6154m$ ; l=8,0003m; kub.par.

**R28=192m**  
 V=30km/h; D=40mm; l=16mm;  $\alpha=30,950865^\circ$ ;  
 do=76,6743m; d=130,2760m;  
 $n_1=10,00V$ ; lp1=12,0000m; m1=0,0313m;  
 $t_1=59,8611m$ ;  $l_1=12,0012m$ ; kub.par.  
 $n_2=35,00V$ ; lp2=42,0000m; m2=0,3886m;  
 $t_2=73,5705m$ ; l2=42,0509m; kub.par.

**R29=199m**  
 V=50km/h; D=101mm; l=48mm;  
 $\alpha=82,462016^\circ$ ; do=245,8872m;  
 $n_1=8,12V$ ; lp1=41,0000m; m1=0,3567m;  
 $t_1=195,1967m$ ;  $l_1=41,0000m$ ; kub.par.  
 $n_2=7,92V$ ; lp2=40,0000m; m2=0,3383m;  
 $t_2=184,7166m$ ; l2=40,0408m; kub.par.

**R30=298m**  
 V=50km/h; D=67mm; l=32mm;  
 $\alpha=66,930066^\circ$ ; do=317,4,0900m;  
 $n=10,15V$ ; lp=34,0000m;  
 $m=0,1623m$ ; t=214,0877m;  
 $l=34,0111m$ ; kub.par.

**R31=200m**  
 V=50km/h; D=100mm; l=48mm;  
 $\alpha=121,348197^\circ$ ; do=263,6181m;  
 $n=8,00V$ ; lp=40,0000m; m=0,3375m;  
 $t=376,6194m$ ; l=40,0404m; kub.par.

**R32=750m**  
 V=50km/h; D=20mm; l=20mm;  
 $\alpha=11,184749^\circ$ ; do=131,9078m;  
 $n_1=15,00V$ ; lp1=15,0000m; m1=0,0125m;  
 $t_1=60,9080m$ ; d=160,9080m;  
 $n_2=14,00V$ ; lp2=14,0000m; m2=0,0109m;  
 $t_2=60,4467m$ ; l2=14,0001m; kub.par.

**R33=200m**  
 V=50km/h; D=100mm; l=48mm;  
 $\alpha=115,902313^\circ$ ; do=364,5084m;  
 $n=8,00V$ ; lp=40,0000m; m=0,3375m;  
 $t=339,9997m$ ; l=40,0404m; kub.par.

**R34=180m**  
 V=50km/h; D=95mm; l=69mm;  
 $\alpha=24,973136^\circ$ ; do=40,3845m;  
 $n=8,00V$ ; lp=38,0000m;  
 $m=0,3390m$ ; t=58,9358m;  
 $l=38,0428m$ ; kub.par.