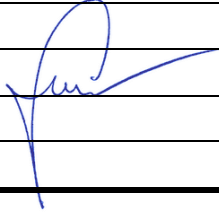



B.

vedoucí projektant	Ing. Sedlák		 Pod Příkopem 6, 586 01 Jihlava tel. 567 310 106 567 579 150
zodp. projektant	Ing. Sedlák		
vypracoval	Ing. Sedlák		
kontroloval	Ing. Kotlán		
investor: KRAJ VYSOČINA, Žižkova 57, 587 33 Jihlava			
Akce II/602 JIHLAVA - JV OBCHVAT ČÁST VÝCHOD			datum: XII/2023
			stupeň: PDSP
			zak..č. 2016-000169
			paré č.
Obsah	Podrobné výpočty vytyčení		č. přílohy B.3.10

Identifikační údaje

Název stavby:	II/602 Jihlava – JV obchvat – část VÝCHOD
Místo stavby:	Kraj Vysočina, obec Jihlava a Studénky
Katastrální území:	Helenín, Kosov u Jihlavy, Pančava, Studénky
Druh stavby :	Novostavba
Investor:	Kraj Vysočina Žižkova 57, 587 33 Jihlava IČ: 70890749
Generální projektant:	PROfi Jihlava s.r.o. Pod Příkopem 6, 586 01 Jihlava
Stupeň dokumentace :	PDSP

1. Základní údaje

Předmětem předložené přílohy projektové dokumentace pro provedení stavby je podklad pro podrobné směrové a výškové vytyčení jednotlivých stavebních objektů dle seznamu:

SO112 – Okružní křižovatka silnic II/602 a stávající II/602
SO121 – Přeložka silnice II/602
SO124 – Stavební úpravy stávající sil. II/602
SO125 – Přeložka silnice III/4051
SO127 – Místní komunikace Kosovská
SO128 – Účelová komunikace
SO153-154 – Polní cesty IV-V
SO170,171 – Provizorní komunikace
SO381 – Meliorační potok km 2,725
SO382 – Meliorační potok km 3,432

Projekt:PROJEKT II/602 Jihlava - jihovýchodní obchvat
Trasa: HRANA2OK.V12Hrana SO112 - OK silnice II/602 a II/602
Systém úhlů: grady

Kontrolní opis vstupních údajů												
Typ	D1	D2	DL	R	A1(-L1)	A2(-L2)	IB1	Y1	X1	IB2	Y2	X2
1	.000	.000	.000	.000	.000	-30.000	1	666921.116	1130029.498	2	666929.924	1129952.108
3	.000	.000	.000	50.000	-40.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	2	666929.924	1129952.108	3	666874.640	1129935.584

Údaje o hlavních bodech směrového vedení trasy											
CB	IND	STA	YH	XH	sigmah	R	YS	XS			
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2 (VZP)	alfat
1	OT	.000000	666921.116	1130029.498	192.78547	.000	.000	.000			
0	tečna	19.876	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
2	TP	.019876	666923.364	1130009.749	192.78547	.000	.000	.000			
1	klotoida	30.000	666923.364	1130009.749	192.78547	38.730	666925.636	1129989.783	20.095	10.087	19.09859
3	PK	.049876	666923.764	1129979.872	211.88406	50.000	666874.633	1129989.151			
1	kružnice	34.684	.000	.000	.00000	.000	666920.410	1129962.113	18.073	3.166	44.16110
4	KP	.084560	666906.477	1129950.603	256.04516	50.000	666874.633	1129989.151			
1	klotoida	40.000	666870.271	1129934.278	281.50995	-44.721	666896.038	1129941.980	13.540	26.894	25.46479
5	TO	.124560	666870.271	1129934.278	281.50995	.000	.000	.000			

Údaje o vrcholech tečnového polygonu trasy						
čís.vrch.	YT	XT	T1	T2	alfat	
0	666921.116	1130029.498	.000	.000	.00000	
1	666929.924	1129952.108	58.013	62.261	88.72447	
2	666870.271	1129934.278	.000	.000	.00000	

Údaje o podrobných bodech trasy						
	WB	STA	Y	X	sig	R
**	OT	.000000	666921.116	1130029.498	192.78547	.000
**		.010000	666922.247	1130019.562	192.78547	.000

	TP	.019876	666923.364	1130009.749	192.78547	.000
**		.020000	666923.378	1130009.626	192.78579	12138.727
**		.030000	666924.394	1129999.679	194.96030	148.169
**		.040000	666924.737	1129989.689	201.37895	74.539
	PK	.049876	666923.764	1129979.872	211.88352	50.001
**		.050000	666923.741	1129979.750	212.04139	50.000
**		.060000	666920.894	1129970.181	224.77379	50.000
**		.070000	666916.204	1129961.369	237.50618	50.000
**		.080000	666909.855	1129953.664	250.23858	50.000
	KP	.084560	666906.477	1129950.603	256.04455	50.000
**		.090000	666902.111	1129947.362	262.50006	57.870
**		.100000	666893.396	1129942.477	271.90945	81.432
**		.110000	666884.144	1129938.693	278.13575	137.358
**		.120000	666874.638	1129935.592	281.17894	438.550
**	PO	.124560	666870.271	1129934.278	281.50995	.000

Projekt:PROJEKT II/602 Jihlava - JV obchvat
Trasa: 602_2.V12 SO121 - Přeložka silnice II/602 - část II
Systém úhlů: grady

Kontrolní opis vstupních údajů												
Typ	D1	D2	DL	R	A1(-L1)	A2(-L2)	IB1	Y1	X1	IB2	Y2	X2
1	.000	.000	.000	.000	.000	.000	1	667575.498	1132880.215	2	667548.167	1132820.633
3	.000	.000	.000	150.000	-50.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	-50.000	.000	2	667548.167	1132820.633	3	667193.314	1132548.192
3	.000	.000	.000	-850.000	-90.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	3	667193.314	1132548.192	4	667071.092	1131507.872
3	.000	.000	.000	7500.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	4	667071.092	1131507.872	5	666953.850	1130738.693
3	.000	.000	.000	-7500.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	-90.000	.000	5	666953.850	1130738.693	6	666901.205	1130137.092
3	.000	.000	.000	-850.000	-70.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	6	666901.205	1130137.092	7	666951.325	1129949.269

Údaje o hlavních bodech směrového vedení trasy											
CB	IND	STA	YH	XH	sigmah	R	YS	XS			
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2 (VZP)	alfat
1	OT	2.356784	667575.498	1132880.215	227.37945	.000	.000	.000			
0	tečna	26.885	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
2	TK	2.383669	667564.289	1132855.778	227.37945	150.000	667427.948	1132918.319			
1	kružnice	47.893	.000	.000	.00000	.000	667554.219	1132833.826	24.152	1.932	20.32631
3	KP	2.431562	667537.767	1132816.143	247.70576	150.000	667427.948	1132918.319			
1	klotoida	50.000	667499.906	1132783.580	258.31609	-86.603	667526.384	1132803.909	16.711	33.382	10.61032
4	PT	2.481562	667499.906	1132783.580	258.31608	.000	.000	.000			
0	tečna	2.185	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
5	TP	2.483746	667498.173	1132782.250	258.31609	.000	.000	.000			
2	klotoida	50.000	667498.173	1132782.250	258.31609	206.155	667471.732	1132761.950	33.335	16.668	-1.87242
6	PK	2.533746	667458.816	1132751.415	256.44367	-850.000	667996.049	1132092.719			
2	kružnice	609.216	.000	.000	.00000	.000	667212.111	1132550.203	318.355	-57.662	-45.62814
7	KP	3.142963	667158.286	1132236.431	210.81553	-850.000	667996.049	1132092.719			
2	klotoida	90.000	667146.210	1132147.257	207.44519	-276.586	667153.212	1132206.855	30.008	60.009	-3.37034

8 PT	3.232963	667146.210	1132147.257	207.44519	.000	.000	.000			
0 tečna	515.101	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
9 TK	3.748063	667086.107	1131635.674	207.44519	7500.000	659637.337	1132510.793			
3 kružnice	257.338	.000	.000	.00000	.000	667071.092	1131507.872	128.681	1.104	2.18435
10 KT	4.005401	667051.702	1131380.660	209.62954	.000	.000	.000			
0 tečna	409.394	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
11 TK	4.414796	666990.012	1130975.940	209.62954	-7500.000	674404.377	1129845.807			
4 kružnice	479.810	.000	.000	.00000	.000	666953.850	1130738.693	239.988	-3.839	-4.07276
12 KT	4.894606	666932.929	1130499.619	205.55678	.000	.000	.000			
0 tečna	169.871	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
13 TP	5.064477	666918.121	1130330.395	205.55678	.000	.000	.000			
5 klotoida	90.000	666918.121	1130330.395	205.55678	276.586	666912.889	1130270.614	60.009	30.008	-3.37034
14 PK	5.154477	666911.859	1130240.624	202.18644	-850.000	667761.358	1130211.437			
5 kružnice	215.848	.000	.000	.00000	.000	666908.133	1130132.180	108.508	-6.898	-16.16625
15 KP	5.370325	666931.770	1130026.278	186.02019	-850.000	667761.358	1130211.437			
5 klotoida	70.000	666948.886	1129958.409	183.39882	-243.926	666936.853	1130003.502	23.337	46.671	-2.62138
16 PT	5.440325	666948.886	1129958.409	183.39881	.000	.000	.000			
0 tečna	9.459	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
17 TO	5.449785	666951.325	1129949.269	183.39882	.000	.000	.000			

Údaje o vrcholech tečnového polygonu trasy					
čís.vrch.	YT	XT	T1	T2	alfat
0	667575.498	1132880.215	.000	.000	.00000
1	667548.167	1132820.633	38.666	60.844	30.93663
2	667193.314	1132548.192	384.347	403.693	-50.87089
3	667071.092	1131507.873	128.680	128.683	2.18435
4	666953.850	1130738.692	239.988	239.987	-4.07276
5	666901.205	1130137.092	194.042	184.936	-22.15797
6	666951.325	1129949.269	.000	.000	.00000

Údaje o podrobných bodech trasy					
WB	STA	Y	X	sig	R
OT	2.356784	667575.498	1132880.215	227.37945	.000

**		2.360000	667574.157	1132877.292	227.37945	.000
**		2.380000	667565.818	1132859.113	227.37945	.000
	TK	2.383669	667564.289	1132855.778	227.37945	.000
**		2.400000	667556.686	1132841.334	234.31048	150.000
**		2.420000	667545.309	1132824.903	242.79874	150.000
	KP	2.431562	667537.767	1132816.143	247.70576	150.000
**		2.440000	667531.858	1132810.121	250.98481	180.454
**		2.460000	667516.871	1132796.886	256.34293	347.836
**		2.480000	667501.145	1132784.531	258.30573	4801.873
	PT	2.481562	667499.906	1132783.580	258.31608	.000
	TP	2.483746	667498.174	1132782.250	258.31608	.000
**		2.500000	667485.291	1132772.338	258.11823	-2614.809
**		2.520000	667469.532	1132760.025	257.33171	-1172.298
	PK	2.533746	667458.816	1132751.415	256.44371	-850.007
**		2.540000	667453.984	1132747.445	255.97530	-850.000
**		2.560000	667438.730	1132734.510	254.47737	-850.000
**		2.580000	667423.785	1132721.220	252.97944	-850.000
**		2.600000	667409.156	1132707.583	251.48151	-850.000
**		2.620000	667394.853	1132693.604	249.98358	-850.000
**		2.640000	667380.882	1132679.294	248.48565	-850.000
**		2.660000	667367.252	1132664.658	246.98773	-850.000
**		2.680000	667353.970	1132649.706	245.48980	-850.000
**		2.700000	667341.043	1132634.445	243.99187	-850.000
**		2.720000	667328.479	1132618.885	242.49394	-850.000
**		2.740000	667316.285	1132603.033	240.99601	-850.000
**		2.760000	667304.467	1132586.899	239.49808	-850.000
**		2.780000	667293.031	1132570.491	238.00015	-850.000
**		2.800000	667281.985	1132553.819	236.50222	-850.000
**		2.820000	667271.334	1132536.891	235.00429	-850.000
**		2.840000	667261.085	1132519.718	233.50637	-850.000
**		2.860000	667251.242	1132502.308	232.00844	-850.000
**		2.880000	667241.812	1132484.671	230.51051	-850.000
**		2.900000	667232.799	1132466.818	229.01258	-850.000
**		2.920000	667224.209	1132448.757	227.51465	-850.000
**		2.940000	667216.046	1132430.499	226.01672	-850.000
**		2.960000	667208.315	1132412.054	224.51879	-850.000
**		2.980000	667201.020	1132393.433	223.02086	-850.000
**		3.000000	667194.165	1132374.645	221.52293	-850.000
**		3.020000	667187.754	1132355.701	220.02501	-850.000
**		3.040000	667181.790	1132336.611	218.52708	-850.000
**		3.060000	667176.278	1132317.386	217.02915	-850.000
**		3.080000	667171.219	1132298.037	215.53122	-850.000
**		3.100000	667166.616	1132278.574	214.03329	-850.000
**		3.120000	667162.473	1132259.008	212.53536	-850.000

**		3.140000	667158.792	1132239.351	211.03743	-850.000
	KP	3.142963	667158.286	1132236.431	210.81553	-850.000
**		3.160000	667155.563	1132219.613	209.66028	-1048.481
**		3.180000	667152.711	1132199.818	208.61235	-1444.413
**		3.200000	667150.134	1132179.985	207.89729	-2320.805
**		3.220000	667147.727	1132160.130	207.51511	-5901.550
	PT	3.232963	667146.210	1132147.257	207.44519	.000
**		3.240000	667145.389	1132140.267	207.44519	.000
**		3.260000	667143.055	1132120.404	207.44519	.000
**		3.280000	667140.722	1132100.541	207.44519	.000
**		3.300000	667138.388	1132080.677	207.44519	.000
**		3.320000	667136.054	1132060.814	207.44519	.000
**		3.340000	667133.721	1132040.950	207.44519	.000
**		3.360000	667131.387	1132021.087	207.44519	.000
**		3.380000	667129.053	1132001.224	207.44519	.000
**		3.400000	667126.720	1131981.360	207.44519	.000
**		3.420000	667124.386	1131961.497	207.44519	.000
**		3.440000	667122.053	1131941.633	207.44519	.000
**		3.460000	667119.719	1131921.770	207.44519	.000
**		3.480000	667117.385	1131901.907	207.44519	.000
**		3.500000	667115.052	1131882.043	207.44519	.000
**		3.520000	667112.718	1131862.180	207.44519	.000
**		3.540000	667110.384	1131842.317	207.44519	.000
**		3.560000	667108.051	1131822.453	207.44519	.000
**		3.580000	667105.717	1131802.590	207.44519	.000
**		3.600000	667103.383	1131782.726	207.44519	.000
**		3.620000	667101.050	1131762.863	207.44519	.000
**		3.640000	667098.716	1131743.000	207.44519	.000
**		3.660000	667096.382	1131723.136	207.44519	.000
**		3.680000	667094.049	1131703.273	207.44519	.000
**		3.700000	667091.715	1131683.409	207.44519	.000
**		3.720000	667089.381	1131663.546	207.44519	.000
**		3.740000	667087.048	1131643.683	207.44519	.000
	TK	3.748063	667086.107	1131635.675	207.44519	.000
**		3.760000	667084.705	1131623.820	207.54652	7500.000
**		3.780000	667082.313	1131603.964	207.71628	7500.000
**		3.800000	667079.868	1131584.114	207.88605	7500.000
**		3.820000	667077.371	1131564.270	208.05581	7500.000
**		3.840000	667074.820	1131544.434	208.22558	7500.000
**		3.860000	667072.217	1131524.604	208.39534	7500.000
**		3.880000	667069.560	1131504.781	208.56511	7500.000
**		3.900000	667066.851	1131484.965	208.73487	7500.000
**		3.920000	667064.089	1131465.157	208.90464	7500.000
**		3.940000	667061.275	1131445.356	209.07440	7500.000

**		3.960000	667058.407	1131425.563	209.24417	7500.000
**		3.980000	667055.487	1131405.777	209.41393	7500.000
**		4.000000	667052.514	1131385.999	209.58370	7500.000
**	KT	4.005401	667051.702	1131380.660	209.62954	7500.000
**		4.020000	667049.502	1131366.228	209.62954	.000
**		4.040000	667046.488	1131346.456	209.62954	.000
**		4.060000	667043.475	1131326.685	209.62954	.000
**		4.080000	667040.461	1131306.913	209.62954	.000
**		4.100000	667037.447	1131287.141	209.62954	.000
**		4.120000	667034.433	1131267.370	209.62954	.000
**		4.140000	667031.420	1131247.598	209.62954	.000
**		4.160000	667028.406	1131227.827	209.62954	.000
**		4.178000	667025.694	1131210.032	209.62954	.000
**		4.180000	667025.392	1131208.055	209.62954	.000
**		4.200000	667022.379	1131188.283	209.62954	.000
**		4.220000	667019.365	1131168.512	209.62954	.000
**		4.240000	667016.351	1131148.740	209.62954	.000
**		4.260000	667013.338	1131128.968	209.62954	.000
**		4.280000	667010.324	1131109.197	209.62954	.000
**		4.300000	667007.310	1131089.425	209.62954	.000
**		4.320000	667004.297	1131069.653	209.62954	.000
**		4.340000	667001.283	1131049.882	209.62954	.000
**		4.360000	666998.269	1131030.110	209.62954	.000
**		4.380000	666995.256	1131010.338	209.62954	.000
**		4.400000	666992.242	1130990.567	209.62954	.000
**	TK	4.414796	666990.012	1130975.940	209.62954	-7500.000
**		4.420000	666989.230	1130970.795	209.58537	-7500.000
**		4.440000	666986.256	1130951.017	209.41560	-7500.000
**		4.460000	666983.335	1130931.232	209.24584	-7500.000
**		4.480000	666980.467	1130911.438	209.07607	-7500.000
**		4.500000	666977.652	1130891.638	208.90631	-7500.000
**		4.520000	666974.890	1130871.829	208.73654	-7500.000
**		4.540000	666972.180	1130852.014	208.56678	-7500.000
**		4.560000	666969.523	1130832.191	208.39701	-7500.000
**		4.580000	666966.919	1130812.361	208.22725	-7500.000
**		4.600000	666964.368	1130792.525	208.05748	-7500.000
**		4.620000	666961.870	1130772.681	207.88772	-7500.000
**		4.640000	666959.425	1130752.831	207.71795	-7500.000
**		4.660000	666957.033	1130732.975	207.54818	-7500.000
**		4.680000	666954.693	1130713.112	207.37842	-7500.000
**		4.700000	666952.407	1130693.243	207.20865	-7500.000
**		4.720000	666950.174	1130673.368	207.03889	-7500.000
**		4.740000	666947.993	1130653.487	206.86912	-7500.000
**		4.760000	666945.866	1130633.601	206.69936	-7500.000

**		4.780000	666943.792	1130613.709	206.52959	-7500.000
**		4.800000	666941.771	1130593.811	206.35983	-7500.000
**		4.820000	666939.803	1130573.908	206.19006	-7500.000
**		4.840000	666937.887	1130554.000	206.02030	-7500.000
**		4.860000	666936.025	1130534.087	205.85053	-7500.000
**		4.880000	666934.217	1130514.169	205.68077	-7500.000
	KT	4.894606	666932.929	1130499.620	205.55679	-7500.000
**		4.900000	666932.459	1130494.246	205.55678	.000
**		4.920000	666930.715	1130474.322	205.55678	.000
**		4.940000	666928.972	1130454.398	205.55678	.000
**		4.960000	666927.228	1130434.474	205.55678	.000
**		4.980000	666925.485	1130414.550	205.55678	.000
**		5.000000	666923.741	1130394.627	205.55678	.000
**		5.020000	666921.998	1130374.703	205.55678	.000
**		5.040000	666920.254	1130354.779	205.55678	.000
**		5.060000	666918.511	1130334.855	205.55678	.000
	TP	5.064477	666918.121	1130330.395	205.55678	.000
**		5.080000	666916.776	1130314.930	205.45652	-4928.290
**		5.100000	666915.121	1130294.999	205.03173	-2153.557
**		5.120000	666913.652	1130275.053	204.27407	-1377.817
**		5.140000	666912.473	1130255.088	203.18354	-1012.941
	PK	5.154477	666911.859	1130240.624	202.18647	-850.004
**		5.160000	666911.687	1130235.104	201.77281	-850.000
**		5.180000	666911.366	1130215.107	200.27488	-850.000
**		5.200000	666911.514	1130195.108	198.77696	-850.000
**		5.220000	666912.134	1130175.118	197.27903	-850.000
**		5.240000	666913.223	1130155.148	195.78110	-850.000
**		5.260000	666914.783	1130135.210	194.28317	-850.000
**		5.280000	666916.810	1130115.313	192.78524	-850.000
**		5.300000	666919.306	1130095.470	191.28731	-850.000
**		5.320000	666922.267	1130075.691	189.78938	-850.000
**		5.340000	666925.693	1130055.987	188.29145	-850.000
**		5.360000	666929.582	1130036.369	186.79352	-850.000
	KP	5.370325	666931.770	1130026.279	186.02022	-850.000
**		5.380000	666933.928	1130016.848	185.34567	-986.319
**		5.400000	666938.667	1129997.417	184.26875	-1475.500
**		5.420000	666943.668	1129978.053	183.61982	-2927.383
**		5.440000	666948.802	1129958.723	183.39887	-182896.627
	PT	5.440325	666948.886	1129958.409	183.39882	.000
**	TO	5.449785	666951.325	1129949.269	183.39882	.000

P R O T O K O L O N I V E L E T Ě

číslo vrch.	staničení vrcholu	výška vrcholu	typ obl.	poloměr m	tečna m	vzepětí m	spád %	délka m	mezipřímá m
1	2.331800	591.600	0	.000	.000	.000			
2	2.381800	589.900	0	.000	.000	.000	-3.400	50.000	50.000
3	2.392420	589.580	2	600.000	10.363	.089	-3.013	10.620	.257
4	2.686660	570.550	2	3500.000	156.951	3.519	-6.468	294.240	126.926
5	3.046100	579.540	2	5000.000	200.061	4.002	2.501	359.440	2.428
6	3.441640	557.780	2	4000.000	185.049	4.280	-5.501	395.540	10.430
7	3.935630	576.310	2	6500.000	232.341	4.153	3.751	493.990	76.600
8	4.363250	561.780	2	4000.000	50.169	.315	-3.398	427.620	145.110
9	4.667940	559.070	2	5000.000	96.522	.932	-.889	304.690	157.999
10	5.316530	528.260	2	4000.000	75.134	.706	-4.750	648.590	476.934
11	5.449785	526.936	0	.000	.000	.000	-.994	133.255	58.121

V Ý P O Č E T	V Ý Š E K	V	P O D R O B N Ý C H	B O D E C H
Staničení	označení	výška	spád	
2.331800	V	591.600	-3.400	
2.360000	**	590.641	-3.400	
2.380000	**	589.961	-3.400	
2.381799	V	589.900	-3.400	
2.381800	V	589.900	-3.013	
2.382057	ZZ	589.892	-3.013	
2.392420	V	589.491	-4.740	
2.400000	**	589.083	-6.004	
2.402783	KZ	588.910	-6.468	
2.420000	**	587.796	-6.468	
2.440000	**	586.503	-6.468	
2.460000	**	585.209	-6.468	
2.480000	**	583.916	-6.468	
2.500000	**	582.622	-6.468	
2.520000	**	581.329	-6.468	
2.529709	ZZ	580.701	-6.468	

2.540000	**		580.050	-6.173
2.560000	**		578.873	-5.602
2.580000	**		577.810	-5.031
2.600000	**		576.861	-4.459
2.620000	**		576.026	-3.888
2.640000	**		575.305	-3.316
2.660000	**		574.699	-2.745
2.680000	**		574.208	-2.173
2.686660		V	574.069	-1.983
2.700000	**		573.830	-1.602
2.720000	**		573.567	-1.031
2.740000	**		573.418	-.459
2.756072		VZ	573.381	.000
2.760000	**		573.383	.112
2.780000	**		573.463	.684
2.800000	**		573.656	1.255
2.820000	**		573.965	1.827
2.840000	**		574.387	2.398
2.843611		KZ	574.476	2.501
2.846039		ZZ	574.536	2.501
2.860000	**		574.866	2.222
2.880000	**		575.270	1.822
2.900000	**		575.595	1.422
2.920000	**		575.839	1.022
2.940000	**		576.003	.622
2.960000	**		576.088	.222
2.971094		VZ	576.100	.000
2.980000	**		576.092	-.178
3.000000	**		576.017	-.578
3.020000	**		575.861	-.978
3.040000	**		575.625	-1.378
3.046100		V	575.538	-1.500
3.060000	**		575.310	-1.778
3.080000	**		574.914	-2.178
3.100000	**		574.438	-2.578
3.120000	**		573.883	-2.978
3.140000	**		573.247	-3.378
3.160000	**		572.532	-3.778
3.180000	**		571.736	-4.178
3.200000	**		570.860	-4.578
3.220000	**		569.905	-4.978
3.240000	**		568.869	-5.378
3.246161		KZ	568.534	-5.501
3.256591		ZZ	567.960	-5.501

3.260000	**		567.774	-5.416
3.280000	**		566.741	-4.916
3.300000	**		565.808	-4.416
3.320000	**		564.974	-3.916
3.340000	**		564.241	-3.416
3.360000	**		563.608	-2.916
3.380000	**		563.075	-2.416
3.400000	**		562.642	-1.916
3.420000	**		562.308	-1.416
3.440000	**		562.075	-.916
3.441640		V	562.060	-.875
3.460000	**		561.942	-.416
3.476645		VZ	561.907	.000
3.480000	**		561.909	.084
3.500000	**		561.975	.584
3.520000	**		562.142	1.084
3.540000	**		562.409	1.584
3.560000	**		562.776	2.084
3.580000	**		563.242	2.584
3.600000	**		563.809	3.084
3.620000	**		564.476	3.584
3.626689		KZ	564.721	3.751
3.640000	**		565.221	3.751
3.660000	**		565.971	3.751
3.680000	**		566.721	3.751
3.700000	**		567.471	3.751
3.703289		ZZ	567.595	3.751
3.720000	**		568.200	3.494
3.740000	**		568.868	3.186
3.760000	**		569.475	2.879
3.780000	**		570.020	2.571
3.800000	**		570.503	2.263
3.820000	**		570.925	1.956
3.840000	**		571.285	1.648
3.860000	**		571.584	1.340
3.880000	**		571.821	1.032
3.900000	**		571.997	.725
3.920000	**		572.111	.417
3.935630		V	572.157	.177
3.940000	**		572.164	.109
3.947109		VZ	572.168	.000
3.960000	**		572.155	-.198
3.980000	**		572.084	-.506
4.000000	**		571.952	-.814

4.020000	**		571.759	-1.121
4.040000	**		571.504	-1.429
4.060000	**		571.187	-1.737
4.080000	**		570.809	-2.044
4.100000	**		570.370	-2.352
4.120000	**		569.868	-2.660
4.140000	**		569.306	-2.968
4.160000	**		568.681	-3.275
4.167971		KZ	568.415	-3.398
4.171500	**		568.295	-3.398
4.178000	**		568.075	-3.398
4.180000	**		568.007	-3.398
4.200000	**		567.327	-3.398
4.220000	**		566.647	-3.398
4.240000	**		565.968	-3.398
4.260000	**		565.288	-3.398
4.280000	**		564.609	-3.398
4.300000	**		563.929	-3.398
4.313081		ZZ	563.485	-3.398
4.320000	**		563.256	-3.225
4.340000	**		562.661	-2.725
4.360000	**		562.166	-2.225
4.363250		V	562.095	-2.144
4.380000	**		561.771	-1.725
4.400000	**		561.476	-1.225
4.413419		KZ	561.334	-.889
4.420000	**		561.275	-.889
4.440000	**		561.097	-.889
4.460000	**		560.919	-.889
4.480000	**		560.742	-.889
4.500000	**		560.564	-.889
4.520000	**		560.386	-.889
4.540000	**		560.208	-.889
4.560000	**		560.030	-.889
4.571418		ZZ	559.928	-.889
4.580000	**		559.845	-1.061
4.600000	**		559.593	-1.461
4.620000	**		559.260	-1.861
4.640000	**		558.848	-2.261
4.660000	**		558.356	-2.661
4.667940		V	558.138	-2.820
4.680000	**		557.784	-3.061
4.700000	**		557.132	-3.461
4.720000	**		556.399	-3.861

4.740000	**		555.587	-4.261
4.760000	**		554.695	-4.661
4.764462		KZ	554.485	-4.750
4.780000	**		553.747	-4.750
4.800000	**		552.797	-4.750
4.820000	**		551.847	-4.750
4.840000	**		550.897	-4.750
4.860000	**		549.947	-4.750
4.880000	**		548.997	-4.750
4.900000	**		548.046	-4.750
4.920000	**		547.096	-4.750
4.940000	**		546.146	-4.750
4.960000	**		545.196	-4.750
4.980000	**		544.246	-4.750
5.000000	**		543.296	-4.750
5.020000	**		542.346	-4.750
5.040000	**		541.396	-4.750
5.060000	**		540.446	-4.750
5.080000	**		539.496	-4.750
5.100000	**		538.546	-4.750
5.120000	**		537.596	-4.750
5.140000	**		536.646	-4.750
5.160000	**		535.696	-4.750
5.180000	**		534.746	-4.750
5.200000	**		533.796	-4.750
5.220000	**		532.845	-4.750
5.240000	**		531.895	-4.750
5.241396		ZZ	531.829	-4.750
5.260000	**		530.989	-4.285
5.280000	**		530.182	-3.785
5.300000	**		529.475	-3.285
5.316530		V	528.966	-2.872
5.320000	**		528.867	-2.785
5.340000	**		528.360	-2.285
5.360000	**		527.953	-1.785
5.380000	**		527.646	-1.285
5.391664		KZ	527.513	-.994
5.400000	**		527.431	-.994
5.420000	**		527.232	-.994
5.440000	**		527.033	-.994
5.449785	**	V	526.936	-.994

Projekt:PROJEKT II/602 Jihlava - JV obchvat
Trasa: 602_OLD.V12 SO124 - Úprava stávající silnice II/602 v KÚ
Systém úhlů: grady

Kontrolní opis vstupních údajů												
Typ	D1	D2	DL	R	A1(-L1)	A2(-L2)	IB1	Y1	X1	IB2	Y2	X2
1	.000	.000	.000	.000	.000	.000	1	667150.477	1129990.543	2	666954.051	1129957.172
3	.000	.000	.000	-1900.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	2	666954.051	1129957.172	3	666758.286	1129888.097

Údaje o hlavních bodech směrového vedení trasy												
CB	IND	STA	YH	XH	sigmah	R	YS	XS				
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2 (VZP)	alfat	
1	OT	.000000	667150.477	1129990.543	289.28670	.000	.000	.000				
0	tečna	36.466	.000	.000	.00000	.000	.000	.000	.000	.000	.00000	
2	TK	.036466	667114.526	1129984.435	289.28669	-1900.000	667432.759	1128111.275				
1	kružnice	324.756	.000	.000	.00000	.000	666954.051	1129957.172	162.775	-6.960	-10.88138	
3	KT	.361222	666800.552	1129903.010	278.40531	.000	.000	.000				
0	tečna	44.820	.000	.000	.00000	.000	.000	.000	.000	.000	.00000	
4	TO	.406041	666758.286	1129888.097	278.40531	.000	.000	.000				

Údaje o vrcholech tečnového polygonu trasy					
čís.vrch.	YT	XT	T1	T2	alfat
0	667150.477	1129990.543	.000	.000	.00000
1	666954.051	1129957.172	162.775	162.774	-10.88138
2	666758.286	1129888.097	.000	.000	.00000

Údaje o podrobných bodech trasy					
WB	STA	Y	X	sig	R
** OT	.000000	667150.477	1129990.543	289.28670	.000
**	.020000	667130.760	1129987.193	289.28670	.000
TK	.036466	667114.526	1129984.435	289.28670	.000
**	.040000	667111.043	1129983.840	289.16828	-1900.000
**	.060000	667091.350	1129980.350	288.49815	-1900.000
**	.080000	667071.694	1129976.653	287.82803	-1900.000
**	.100000	667052.079	1129972.749	287.15790	-1900.000
**	.120000	667032.506	1129968.639	286.48777	-1900.000
**	.140000	667012.978	1129964.323	285.81765	-1900.000
**	.160000	666993.495	1129959.801	285.14752	-1900.000
**	.180000	666974.062	1129955.075	284.47740	-1900.000

**		.200000	666954.679	1129950.145	283.80727	-1900.000
**		.220000	666935.350	1129945.010	283.13714	-1900.000
**		.240000	666916.075	1129939.673	282.46702	-1900.000
**		.260000	666896.858	1129934.133	281.79689	-1900.000
**		.280000	666877.700	1129928.391	281.12677	-1900.000
**		.300000	666858.603	1129922.448	280.45664	-1900.000
**		.320000	666839.571	1129916.304	279.78651	-1900.000
**		.340000	666820.604	1129909.960	279.11639	-1900.000
**		.360000	666801.704	1129903.417	278.44626	-1900.000
KT		.361222	666800.552	1129903.010	278.40531	.000
**		.380000	666782.844	1129896.762	278.40531	.000
**		.400000	666763.983	1129890.107	278.40531	.000
**	TO	.406041	666758.286	1129888.097	278.40531	.000

P R O T O K O L O N I V E L E T Ě

číslo vrch.	staničení vrcholu	výška vrcholu	typ obl.	poloměr m	tečna m	vzepětí m	spád %	délka m	mezipřímá m
1	.000000	531.426	0	.000	.000	.000			
2	.063360	531.373	2	3362.414	63.360	.597	-.084	63.360	.000
3	.164830	527.464	2	500.000	14.519	.211	-3.852	101.470	23.591
4	.188000	527.917	0	.000	.000	.000	1.955	23.170	8.651
5	.218970	526.858	0	.000	.000	.000	-3.419	30.970	30.970
6	.235820	526.352	2	800.000	6.849	.029	-3.003	16.850	10.001
7	.338210	521.524	2	4000.000	14.077	.025	-4.715	102.390	81.463
8	.406041	518.803	0	.000	.000	.000	-4.011	67.831	53.754

V Ý P O Č E T	V Ý Š E K	V	P O D R O B N Ý C H	B O D E C H
Staničení	označení	výška	spád	
.000000	** ZZ	531.426	-.084	
.020000	**	531.350	-.678	
.040000	**	531.155	-1.273	
.060000	**	530.840	-1.868	
.063360	V	530.776	-1.968	
.080000	**	530.407	-2.463	
.100000	**	529.855	-3.058	

.120000	**		529.184	-3.653
.126720		KZ	528.932	-3.852
.140000	**		528.421	-3.852
.150311		ZZ	528.023	-3.852
.160000	**		527.744	-1.915
.164830		V	527.675	-.949
.169573		VZ	527.652	.000
.179349		KZ	527.748	1.955
.180000	**		527.761	1.955
.187999		V	527.917	1.955
.188000		V	527.917	-3.419
.200000	**		527.507	-3.419
.203467	**		527.388	-3.419
.218969		V	526.858	-3.419
.218970		V	526.858	-3.003
.220000	**		526.827	-3.003
.228971		ZZ	526.558	-3.003
.235820		V	526.323	-3.859
.240000	**		526.150	-4.382
.242669		KZ	526.029	-4.715
.260000	**		525.212	-4.715
.280000	**		524.269	-4.715
.300000	**		523.326	-4.715
.320000	**		522.383	-4.715
.324133		ZZ	522.188	-4.715
.338210		V	521.549	-4.363
.340000	**		521.471	-4.319
.352287		KZ	520.959	-4.011
.360000	**		520.650	-4.011
.380000	**		519.848	-4.011
.400000	**		519.045	-4.011
.406041	**	V	518.803	-4.011

Projekt:PROJEKT II/602 Jihlava - JV obchvat
 Trasa: KOSOV.V12 S0127 - Přeložka MK Kosovská
 Systém úhlů: grady

Kontrolní opis vstupních údajů												
Typ	D1	D2	DL	R	A1(-L1)	A2(-L2)	IB1	Y1	X1	IB2	Y2	X2
1	.000	.000	.000	.000	.000	.000	1	667124.430	1131204.200	2	666955.805	1131225.345

Údaje o hlavních bodech směrového vedení trasy											
CB	IND	STA	YH	XH	sigmah	R	YS	XS			
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2 (VZP)	alfat
1	OT	.000000	667124.430	1131204.200	307.94154	.000	.000	.000			
0	tečna	169.946	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
2	TO	.169946	666955.805	1131225.345	307.94154	.000	.000	.000			

Údaje o vrcholech tečnového polygonu trasy					
čís.vrch.	YT	XT	T1	T2	alfat
0	667124.430	1131204.200	.000	.000	.00000
1	666956.837	1131225.216	-1.040	-168.905	-.00001
2	666955.805	1131225.345	.000	.000	.00000

Údaje o podrobných bodech trasy					
WB	STA	Y	X	sig	R
** OT	.000000	667124.430	1131204.200	307.94154	.000
**	.010000	667114.508	1131205.444	307.94154	.000
**	.020000	667104.585	1131206.688	307.94154	.000
**	.030000	667094.663	1131207.933	307.94154	.000
**	.040000	667084.741	1131209.177	307.94154	.000
**	.050000	667074.819	1131210.421	307.94154	.000
**	.060000	667064.896	1131211.665	307.94154	.000
**	.070000	667054.974	1131212.910	307.94154	.000
**	.080000	667045.052	1131214.154	307.94154	.000
**	.090000	667035.129	1131215.398	307.94154	.000
**	.100000	667025.207	1131216.642	307.94154	.000
**	.110000	667015.285	1131217.886	307.94154	.000
**	.120000	667005.362	1131219.131	307.94154	.000
**	.130000	666995.440	1131220.375	307.94154	.000
**	.140000	666985.518	1131221.619	307.94154	.000
**	.150000	666975.596	1131222.863	307.94154	.000
**	.160000	666965.673	1131224.108	307.94154	.000
** TO	.169946	666955.805	1131225.345	307.94154	.000

P R O T O K O L O N I V E L E T Ě

číslo vrch.	staničení vrcholu	výška vrcholu	typ obl.	poloměr m	tečna m	vzepětí m	spád %	délka m	mezipřímá m
1	.000000	567.569	0	.000	.000	.000			
2	.061560	567.373	2	2000.000	28.117	.198	-.318	61.560	33.443
3	.092523	568.145	0	.000	.000	.000	2.493	30.963	2.846
4	.098523	568.295	0	.000	.000	.000	2.500	6.000	6.000
5	.104523	568.145	0	.000	.000	.000	-2.500	6.000	6.000
6	.136880	567.330	2	1700.000	22.978	.155	-2.519	32.357	9.379
7	.169945	567.391	0	.000	.000	.000	.184	33.065	10.087

V Ý P O Č E T	V Ý Š E K	V	P O D R O B N Ý C H	B O D E C H
Staničení	označení	výška	spád	
.000000	** OT V	567.569	-.318	
.010000	**	567.537	-.318	
.020000	**	567.505	-.318	
.030000	**	567.473	-.318	
.033443	ZZ	567.463	-.318	
.035000	**	567.458	-.241	
.039811	VZ	567.452	.000	
.040000	**	567.452	.009	
.050000	**	567.478	.509	
.060000	**	567.554	1.009	
.061560	V	567.571	1.087	
.070000	**	567.680	1.509	
.080000	**	567.856	2.009	
.089677	KZ	568.074	2.493	
.090000	**	568.082	2.493	
.092522	V	568.145	2.493	
.092523	V	568.145	2.500	
.098522	V	568.295	2.500	
.098523	V	568.295	-2.500	
.100000	**	568.258	-2.500	
.104522	V	568.145	-2.500	
.104523	V	568.145	-2.519	
.110000	**	568.007	-2.519	

.113902		ZZ	567.909	-2.519
.120000	**		567.766	-2.160
.130000	**		567.580	-1.572
.136880		V	567.485	-1.167
.140000	**		567.452	-.984
.150000	**		567.383	-.395
.153902	**		567.372	-.166
.156721		VZ	567.369	.000
.159858		KZ	567.372	.184
.160000	**		567.373	.184
.169945		V	567.391	.184
.169946	**	TO		

Projekt:PROJEKT II/602 Jihlava - JV obchvat
 Trasa: PC5.V12 SO128 - Účelová komunikace km 4,800
 Systém úhlů: grady

Kontrolní opis vstupních údajů												
Typ	D1	D2	DL	R	A1(-L1)	A2(-L2)	IB1	Y1	X1	IB2	Y2	X2
1	.000	.000	.000	70.000	.000	.000	1	666896.142	1130630.835	2	666920.049	1130550.684

Údaje o hlavních bodech směrového vedení trasy											
CB	IND	STA	YH	XH	sigmah	R	YS	XS			
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2 (VZP)	alfat
1	OK	.000000	666896.142	1130630.835	140.78368	70.000	666854.303	1130574.715			
1	kružnice	89.641	.000	.000	.00000	.000	666937.952	1130599.665	52.150	17.291	81.52486
2	KO	.089641	666920.049	1130550.684	222.30854	70.000	.000	.000			

Údaje o vrcholech tečnového polygonu trasy					
čís.vrch.	YT	XT	T1	T2	alfat
0	666896.142	1130630.835	.000	.000	.00000
1	666937.952	1130599.665	52.150	52.150	81.52486
2	666920.049	1130550.684	.000	.000	.00000

Údaje o podrobných bodech trasy					
WB	STA	Y	X	sig	R
** OK	.000000	666896.142	1130630.835	140.78367	70.000
**	.010000	666903.706	1130624.307	149.87824	70.000

**		.020000	666910.263	1130616.768	158.97281	70.000
**		.030000	666915.680	1130608.372	168.06738	70.000
**		.040000	666919.847	1130599.291	177.16195	70.000
**		.050000	666922.678	1130589.709	186.25652	70.000
**		.060000	666924.116	1130579.822	195.35108	70.000
**		.070000	666924.132	1130569.830	204.44565	70.000
**		.080000	666922.726	1130559.938	213.54022	70.000
**	KO	.089641	666920.049	1130550.684	222.30829	70.000

P R O T O K O L O N I V E L E T Ě

číslo vrch.	staničení vrcholu	výška vrcholu	typ obl.	poloměr m	tečna m	vzepětí m	spád %	délka m	mezipřímá m
1	.000000	554.953	0	.000	.000	.000	-4.604	70.260	52.736
2	.070260	551.718	2	2000.000	17.524	.077	-6.357	19.381	1.857
3	.089641	550.486	0	.000	.000	.000			

V Ý P O Č E T V Ý Š E K V P O D R O B N Ý C H B O D E C H

Staničení	označení	výška	spád
.000000	** V	554.953	-4.604
.020000	**	554.032	-4.604
.040000	**	553.111	-4.604
.052736	ZZ	552.525	-4.604
.060000	**	552.177	-4.968
.070260	V	551.641	-5.481
.080000	**	551.084	-5.968
.087784	KZ	550.604	-6.357
.089641	** V	550.486	-6.357

Projekt:PROJEKT II/602 Jihlava - JV obchvat
Trasa: PC3.VI2 SO153 - Přeložka polní cesty PC-IV km 4,100 - vpravo
Systém úhlů: grady

Kontrolní opis vstupních údajů												
Typ	D1	D2	DL	R	A1(-L1)	A2(-L2)	IB1	Y1	X1	IB2	Y2	X2
1	.000	.000	.000	.000	.000	.000	1	667020.553	1131343.820	2	667029.520	1131331.992
3	.000	.000	.000	18.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	2	667029.520	1131331.992	3	667023.106	1131288.003
3	.000	.000	.000	300.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	3	667023.106	1131288.003	4	667012.936	1131240.348
3	.000	.000	.000	20.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	4	667012.936	1131240.348	5	666973.711	1131239.190
3	.000	.000	.000	-15.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	5	666973.711	1131239.190	6	666971.724	1131223.348

Údaje o hlavních bodech směrového vedení trasy												
CB	IND	STA	YH	XH	sigmah	R	YS	XS				
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2 (VZP)	alfat	
1	OT	.000000	667020.553	1131343.820	158.70404	.000	.000	.000				
0	tečna	7.302	.000	.000	.00000	.000	.000	.000	.000	.000	.00000	
2	TK	.007302	667024.964	1131338.001	158.70404	18.000	667010.620	1131327.127				
1	kružnice	14.282	.000	.000	.00000	.000	667029.520	1131331.992	7.541	1.516	50.51350	
3	KT	.021584	667028.432	1131324.530	209.21754	.000	.000	.000				
0	tečna	27.090	.000	.000	.00000	.000	.000	.000	.000	.000	.00000	
4	TK	.048674	667024.523	1131297.724	209.21754	300.000	666727.662	1131341.009				
2	kružnice	19.640	.000	.000	.00000	.000	667023.106	1131288.003	9.823	.161	4.16769	
5	KT	.068314	667021.056	1131278.396	213.38523	.000	.000	.000				
0	tečna	23.205	.000	.000	.00000	.000	.000	.000	.000	.000	.00000	
6	TK	.091519	667016.213	1131255.702	213.38523	20.000	666996.653	1131259.876				
3	kružnice	26.621	.000	.000	.00000	.000	667012.936	1131240.348	15.700	5.426	84.73588	
7	KT	.118139	666997.243	1131239.885	298.12111	.000	.000	.000				
0	tečna	10.695	.000	.000	.00000	.000	.000	.000	.000	.000	.00000	
8	TK	.128834	666986.553	1131239.569	298.12111	-15.000	666986.996	1131224.576				
4	kružnice	21.248	.000	.000	.00000	.000	666973.711	1131239.190	12.847	-4.750	-90.17772	

9 KT	.150082	666972.112	1131226.442	207.94339	.000	.000	.000			
0 tečna	3.119	.000	.000	.00000	.000	.000	.000	.000	.000	.00000

10 TO	.153201	666971.724	1131223.348	207.94339	.000	.000	.000			
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Údaje o vrcholech tečnového polygonu trasy					
čís.vrch.	YT	XT	T1	T2	alfat
0	667020.553	1131343.820	.000	.000	.00000
1	667029.520	1131331.992	7.541	7.541	50.51350
2	667023.106	1131288.003	9.823	9.823	4.16769
3	667012.936	1131240.348	15.700	15.700	84.73588
4	666973.711	1131239.190	12.847	12.847	-90.17772
5	666971.724	1131223.348	.000	.000	.00000

Údaje o podrobných bodech trasy						
	WB	STA	Y	X	sig	R
**	OT	.000000	667020.553	1131343.820	158.70404	.000
	TK	.007302	667024.964	1131338.001	158.70404	18.000
**		.010000	667026.427	1131335.737	168.24710	18.000
**		.020000	667028.591	1131326.105	203.61487	18.000
	KT	.021584	667028.432	1131324.530	209.21712	18.000
**		.030000	667027.218	1131316.202	209.21754	.000
**		.040000	667025.775	1131306.307	209.21754	.000
	TK	.048674	667024.523	1131297.724	209.21754	300.000
**		.050000	667024.329	1131296.412	209.49896	300.000
**		.060000	667022.678	1131286.549	211.62103	300.000
	KT	.068314	667021.056	1131278.396	213.38523	.000
**		.070000	667020.704	1131276.747	213.38523	.000
**		.080000	667018.617	1131266.967	213.38523	.000
**		.090000	667016.530	1131257.187	213.38523	.000
	TK	.091519	667016.213	1131255.702	213.38523	20.000
**		.100000	667012.763	1131248.023	240.38182	20.000
**		.110000	667005.108	1131241.751	272.21281	20.000
	KT	.118139	666997.244	1131239.885	298.12005	20.000
**		.120000	666995.383	1131239.830	298.12111	.000
	TK	.128834	666986.553	1131239.569	298.12111	.000
**		.130000	666985.390	1131239.490	293.17413	-15.000
**		.140000	666976.512	1131235.304	250.73281	-15.000
**		.150000	666972.123	1131226.524	208.29149	-15.000
	KT	.150082	666972.112	1131226.442	207.94347	-15.000
**	TO	.153201	666971.724	1131223.348	207.94339	.000

P R O T O K O L O N I V E L E T Ě

číslo vrch.	staničení vrcholu	výška vrcholu	typ obl.	poloměr m	tečna m	vzepětí m	spád %	délka m	mezipřímá m
1	.000000	572.924	0	.000	.000	.000			
2	.019123	571.206	2	300.000	10.209	.174	-8.984	19.123	8.914
3	.072882	570.035	2	800.000	12.972	.105	-2.178	53.759	30.579
4	.103097	568.397	2	600.000	8.398	.059	-5.421	30.215	8.846
5	.147950	567.221	2	100.000	2.559	.033	-2.622	44.853	33.897
6	.153200	567.352	0	.000	.000	.000	2.495	5.250	2.691

V Ý P O Č E T V Ý Š E K V P O D R O B N Ý C H B O D E C H

Staničení	označení	výška	spád
.000000	** V	572.924	-8.984
.002000	**	572.744	-8.984
.004000	**	572.565	-8.984
.006000	**	572.385	-8.984
.008000	**	572.205	-8.984
.008914	ZZ	572.123	-8.984
.010000	**	572.028	-8.622
.012000	**	571.862	-7.955
.014000	**	571.709	-7.289
.016000	**	571.570	-6.622
.018000	**	571.444	-5.955
.019123	V	571.380	-5.581
.020000	**	571.332	-5.289
.022000	**	571.233	-4.622
.024000	**	571.147	-3.955
.026000	**	571.075	-3.289
.028000	**	571.016	-2.622
.029332	KZ	570.984	-2.178
.030000	**	570.969	-2.178
.032000	**	570.926	-2.178
.034000	**	570.882	-2.178
.036000	**	570.838	-2.178
.038000	**	570.795	-2.178
.040000	**	570.751	-2.178
.042000	**	570.708	-2.178
.044000	**	570.664	-2.178

.046000	**		570.621	-2.178
.048000	**		570.577	-2.178
.050000	**		570.533	-2.178
.052000	**		570.490	-2.178
.054000	**		570.446	-2.178
.056000	**		570.403	-2.178
.058000	**		570.359	-2.178
.059910		ZZ	570.318	-2.178
.060000	**		570.316	-2.189
.062000	**		570.269	-2.439
.064000	**		570.218	-2.689
.066000	**		570.162	-2.939
.068000	**		570.100	-3.189
.070000	**		570.034	-3.439
.072000	**		569.963	-3.689
.072882		V	569.930	-3.800
.074000	**		569.887	-3.939
.076000	**		569.805	-4.189
.078000	**		569.719	-4.439
.080000	**		569.628	-4.689
.082000	**		569.531	-4.939
.084000	**		569.430	-5.189
.085854		KZ	569.332	-5.421
.086000	**		569.324	-5.421
.088000	**		569.215	-5.421
.090000	**		569.107	-5.421
.092000	**		568.999	-5.421
.094000	**		568.890	-5.421
.094699		ZZ	568.852	-5.421
.096000	**		568.783	-5.204
.098000	**		568.682	-4.871
.100000	**		568.588	-4.538
.102000	**		568.501	-4.204
.103097		V	568.456	-4.022
.104000	**		568.420	-3.871
.106000	**		568.346	-3.538
.108000	**		568.279	-3.204
.110000	**		568.218	-2.871
.111495		KZ	568.177	-2.622
.112000	**		568.164	-2.622
.114000	**		568.111	-2.622
.116000	**		568.059	-2.622
.118000	**		568.006	-2.622
.120000	**		567.954	-2.622

.122000	**		567.901	-2.622
.124000	**		567.849	-2.622
.126000	**		567.797	-2.622
.128000	**		567.744	-2.622
.130000	**		567.692	-2.622
.132000	**		567.639	-2.622
.134000	**		567.587	-2.622
.136000	**		567.534	-2.622
.138000	**		567.482	-2.622
.140000	**		567.429	-2.622
.142000	**		567.377	-2.622
.144000	**		567.325	-2.622
.145391		ZZ	567.288	-2.622
.146000	**		567.274	-2.013
.147950		V	567.254	-.063
.148000	**		567.254	-.013
.148013		VZ	567.254	.000
.150000	**		567.273	1.987
.150509		KZ	567.285	2.495
.152000	**		567.322	2.495
.153200		V	567.352	2.495
.153201	**			

Projekt:PROJEKT II/602 Jihlava - JV obchvat
 Trasa: PC4.V12 S0154 - Přeložka polní cesty PC-V km 4,100 - vlevo
 Systém úhlů: grady

Kontrolní opis vstupních údajů												
Typ	D1	D2	DL	R	A1 (-L1)	A2 (-L2)	IB1	Y1	X1	IB2	Y2	X2
1	.000	.000	.000	.000	.000	.000	1	667089.702	1131208.555	2	667087.405	1131190.235
3	.000	.000	.000	15.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	2	667087.405	1131190.235	3	667043.117	1131195.670
3	.000	.000	.000	-14.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	3	667043.117	1131195.670	4	667032.169	1131115.562

Údaje o hlavních bodech směrového vedení trasy											
CB	IND	STA	YH	XH	sigmah	R	YS	XS			
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2 (VZP)	alfat
1	OT	.000000	667089.702	1131208.555	207.94063	.000	.000	.000			
0	tečna	3.503	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
2	TK	.003503	667089.266	1131205.079	207.94063	15.000	667074.383	1131206.946			
1	kružnice	23.523	.000	.000	.00000	.000	667087.405	1131190.235	14.961	6.185	99.83306
3	KT	.027025	667072.556	1131192.057	307.77369	.000	.000	.000			
0	tečna	15.850	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
4	TK	.042876	667056.823	1131193.988	307.77369	-14.000	667055.118	1131180.092			
2	kružnice	21.799	.000	.000	.00000	.000	667043.117	1131195.670	13.809	-5.665	-99.12687
5	KT	.064675	667041.247	1131181.988	208.64682	.000	.000	.000			
0	tečna	67.043	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
6	TO	.131718	667032.169	1131115.562	208.64682	.000	.000	.000			

Údaje o vrcholech tečnového polygonu trasy					
čís.vrch.	YT	XT	T1	T2	alfat
0	667089.702	1131208.555	.000	.000	.00000
1	667087.405	1131190.235	14.961	14.961	99.83305
2	667043.117	1131195.670	13.809	13.809	-99.12687
3	667032.169	1131115.562	.000	.000	.00000

Údaje o podrobných bodech trasy					
WB	STA	Y	X	sig	R
** OT	.000000	667089.702	1131208.555	207.94063	.000

TK	.003503	667089.266	1131205.079	207.94063	15.000
**	.010000	667087.108	1131199.005	235.51593	15.000
**	.020000	667079.473	1131192.836	277.95725	15.000
KT	.027025	667072.556	1131192.057	307.77228	15.000
**	.030000	667069.603	1131192.420	307.77369	.000
**	.040000	667059.678	1131193.638	307.77369	.000
TK	.042876	667056.823	1131193.988	307.77369	-14.000
**	.050000	667049.837	1131193.058	275.37687	-14.000
**	.060000	667042.635	1131186.429	229.90403	-14.000
KT	.064675	667041.247	1131181.988	208.64682	.000
**	.070000	667040.526	1131176.712	208.64682	.000
**	.080000	667039.172	1131166.804	208.64682	.000
**	.090000	667037.818	1131156.896	208.64682	.000
**	.100000	667036.464	1131146.988	208.64682	.000
**	.110000	667035.110	1131137.080	208.64682	.000
**	.120000	667033.756	1131127.172	208.64682	.000
** TO	.131718	667032.169	1131115.562	208.64682	.000

PROTOKOL O NIVELE TĚ

číslo vrch.	staničení vrcholu	výška vrcholu	typ obl.	poloměr m	tečna m	vzepětí m	spád %	délka m	mezipřímá m
1	.000000	567.458	0	.000	.000	.000			
2	.002750	567.389	0	.000	.000	.000	-2.509	2.750	2.750
3	.025110	565.600	2	300.000	10.558	.186	-8.001	22.360	11.802
4	.056280	565.300	2	300.000	8.498	.120	-.962	31.170	12.114
5	.131718	560.300	0	.000	.000	.000	-6.628	75.438	66.940

VÝPOČET VÝŠEK V PODROBNÝCH BODECH

Staničení	označení	výška	spád
.000000	** V	567.458	-2.509
.002749	V	567.389	-2.509
.002750	V	567.389	-8.001
.010000	**	566.809	-8.001
.014552	ZZ	566.445	-8.001
.020000	**	566.058	-6.185
.025110	V	565.786	-4.482
.030000	**	565.606	-2.852
.035668	KZ	565.498	-.962
.040000	**	565.457	-.962
.047782	ZZ	565.382	-.963

.050000	**		565.352	-1.702
.056280		V	565.180	-3.795
.060000	**		565.015	-5.035
.064778		KZ	564.737	-6.628
.070000	**		564.391	-6.628
.080000	**		563.728	-6.628
.090000	**		563.065	-6.628
.100000	**		562.402	-6.628
.110000	**		561.739	-6.628
.120000	**		561.077	-6.628
.131718	**	V	560.300	-6.628

Projekt:PROJEKT II/602 Jihlava - jihovýchodní obchvat
Trasa: PROVl.V12 SO170 - Provizorní komunikace č.1
Systém úhlů: grady

Kontrolní opis vstupních údajů

Typ	D1	D2	DL	R	A1 (-L1)	A2 (-L2)	IB1	Y1	X1	IB2	Y2	X2
1	.000	.000	.000	.000	.000	.000	1	666928.758	1131228.707	2	666936.546	1131227.756
3	.000	.000	.000	18.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	2	666936.546	1131227.756	3	666953.584	1131205.482
3	.000	.000	.000	-22.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	3	666953.584	1131205.482	4	667093.462	1131187.929
3	.000	.000	.000	-20.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	4	667093.462	1131187.929	5	667110.841	1131205.904
3	.000	.000	.000	20.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	5	667110.841	1131205.904	6	667122.054	1131204.498

Údaje o hlavních bodech směrového vedení trasy

CB	IND	STA	YH	XH	sigmah	R	YS	XS			
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2 (VZP)	alfat
1	OT	.000000	666928.758	1131228.707	107.73553	.000	.000	.000			
0	tečna	.275	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
2	TK	.000275	666929.031	1131228.674	107.73552	18.000	666926.849	1131210.806			
1	kružnice	14.333	.000	.000	.00000	.000	666936.546	1131227.756	7.571	1.527	50.69405
3	KT	.014608	666941.146	1131221.743	158.42958	.000	.000	.000			
0	tečna	11.262	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
4	TK	.025870	666947.988	1131212.798	158.42958	-22.000	666965.462	1131226.164			

2 kružnice	17.445	.000	.000	.00000	.000	666953.584	1131205.482	9.210	-1.850	-50.48231
5 KT	.043315	666962.723	1131204.335	107.94727	.000	.000	.000			
0 tečna	121.767	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
6 TK	.165082	667083.542	1131189.174	107.94727	-20.000	667086.033	1131209.018			
3 kružnice	18.542	.000	.000	.00000	.000	667093.462	1131187.929	9.997	-2.360	-59.02038
7 KT	.183624	667100.411	1131195.116	48.92688	.000	.000	.000			
0 tečna	5.009	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
8 TK	.188633	667103.893	1131198.717	48.92688	20.000	667118.271	1131184.816			
4 kružnice	18.540	.000	.000	.00000	.000	667110.841	1131205.904	9.996	2.359	59.01426
9 KT	.207173	667120.760	1131204.660	107.94114	.000	.000	.000			
0 tečna	1.305	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
10 TO	.208478	667122.054	1131204.498	107.94114	.000	.000	.000			

Údaje o vrcholech tečnového polygonu trasy					
čís.vrch.	YT	XT	T1	T2	alfat
0	666928.758	1131228.707	.000	.000	.00000
1	666936.546	1131227.756	7.571	7.571	50.69405
2	666953.584	1131205.482	9.210	9.210	-50.48231
3	667093.462	1131187.929	9.997	9.997	-59.02038
4	667110.841	1131205.904	9.996	9.996	59.01426
5	667122.054	1131204.498	.000	.000	.00000

Údaje o podrobných bodech trasy					
WB	STA	Y	X	sig	R
** OT	.000000	666928.758	1131228.707	107.73553	.000
TK	.000275	666929.031	1131228.674	107.73552	18.000
**	.010000	666937.911	1131225.006	142.13142	18.000
KT	.014608	666941.146	1131221.743	158.42889	18.000
**	.020000	666944.422	1131217.460	158.42958	.000
TK	.025870	666947.988	1131212.798	158.42958	-22.000
**	.030000	666950.790	1131209.771	146.47822	-22.000
**	.040000	666959.477	1131204.994	117.54096	-22.000
KT	.043315	666962.722	1131204.335	107.94826	-22.000
**	.050000	666969.355	1131203.503	107.94726	.000
**	.060000	666979.278	1131202.258	107.94726	.000
**	.070000	666989.200	1131201.013	107.94726	.000
**	.080000	666999.122	1131199.768	107.94726	.000
**	.090000	667009.044	1131198.522	107.94726	.000

**		.100000	667018.966	1131197.277	107.94726	.000
**		.110000	667028.889	1131196.032	107.94726	.000
**		.120000	667038.811	1131194.787	107.94726	.000
**		.130000	667048.733	1131193.542	107.94726	.000
**		.140000	667058.655	1131192.297	107.94726	.000
**		.150000	667068.577	1131191.052	107.94726	.000
**		.160000	667078.499	1131189.807	107.94726	.000
**	TK	.165082	667083.542	1131189.174	107.94726	.000
**		.170000	667088.448	1131189.164	92.29426	-20.000
**		.180000	667097.670	1131192.753	60.46327	-20.000
	KT	.183624	667100.411	1131195.116	48.92772	-20.000
	TK	.188633	667103.893	1131198.717	48.92688	.000
**		.190000	667104.876	1131199.667	53.27754	20.000
**		.200000	667113.635	1131204.271	85.10853	20.000
	KT	.207173	667120.759	1131204.660	107.94090	20.000
**	TO	.208478	667122.054	1131204.498	107.94114	.000

P R O T O K O L O N I V E L E T Ě

Číslo vrch.	staničení vrcholu	výška vrcholu	typ obl.	poloměr m	tečna m	vzepětí m	spád %	délka m	mezipřímá m
1	.000000	567.373	0	.000	.000	.000			
2	.010000	567.313	2	100.000	3.700	.068	-.600	10.000	6.300
3	.038000	565.073	2	500.000	21.250	.452	-8.000	28.000	3.050
4	.175000	565.758	2	300.000	11.970	.239	.500	137.000	103.780
5	.195000	567.454	2	150.000	5.759	.111	8.480	20.000	2.271
6	.208477	567.562	0	.000	.000	.000	.801	13.477	7.718

V Ý P O Č E T	V Ý Š E K	V	P O D R O B N Ý C H	B O D E C H
Staničení	označení	výška	spád	
.000000	** V	567.373	-.600	
.006300	ZZ	567.335	-.600	
.010000	** V	567.245	-4.300	
.013700	KZ	567.017	-8.000	
.016750	ZZ	566.773	-8.000	
.020000	**	566.524	-7.350	
.030000	**	565.889	-5.350	
.038000	V	565.525	-3.750	
.040000	**	565.454	-3.350	
.050000	**	565.219	-1.350	

.056750		VZ	565.173	.000
.059250		KZ	565.179	.500
.060000	**		565.183	.500
.070000	**		565.233	.500
.080000	**		565.283	.500
.090000	**		565.333	.500
.100000	**		565.383	.500
.110000	**		565.433	.500
.120000	**		565.483	.500
.130000	**		565.533	.500
.140000	**		565.583	.500
.150000	**		565.633	.500
.160000	**		565.683	.500
.163030		ZZ	565.698	.500
.170000	**		565.814	2.823
.175000		V	565.997	4.490
.180000	**		566.263	6.157
.186970		KZ	566.773	8.480
.189241		ZZ	566.966	8.480
.190000	**		567.028	7.974
.195000		V	567.343	4.641
.200000	**		567.492	1.307
.200759		KZ	567.500	.801
.208477	**	V	567.562	.801

Projekt:PROJEKT II/602 Jihlava - jihovýchodní obchvat

Trasa: PROV2.V12 SO171 - Provizorní komunikace č.2

Systém úhlů: grady

Kontrolní opis vstupních údajů

Typ	D1	D2	DL	R	A1 (-L1)	A2 (-L2)	IB1	Y1	X1	IB2	Y2	X2
1	.000	.000	.000	-50.000	.001	.000	1	667174.663	1129993.951	2	667142.352	1129975.052
1	.000	.000	.000	49.950	.001	.000	2	667142.352	1129975.052	3	667112.711	1129956.620
1	.000	.000	.000	.000	.000	.000	3	667112.711	1129956.620	4	667064.330	1129946.825
1	.000	.000	.000	-200.000	.001	.000	4	667064.330	1129946.825	5	666999.672	1129921.426
1	.000	.000	.000	150.000	.001	.000	5	666999.672	1129921.426	6	666914.763	1129899.542
1	.000	.000	.000	-200.000	.001	.000	6	666914.763	1129899.542	7	666849.057	1129891.492
1	.000	.000	.000	.000	.000	.000	7	666849.057	1129891.492	8	666781.601	1129871.498
1	.000	.000	.000	45.000	.001	.000	8	666781.601	1129871.498	9	666752.041	1129872.885
1	.000	.000	.000	-45.000	.001	.000	9	666752.041	1129872.885	10	666719.207	1129873.161

Prvek o poloměru= 49.950 je o .000 posunut

Údaje o hlavních bodech směrového vedení trasy

CB	IND	STA	YH	XH	sigmah	R	YS	XS				
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2 (VZP)	alfat	
1	OK	.000000	667174.663	1129993.951	290.73187	-50.000	667181.916	1129944.480				
1	kružnice	38.375	.000	.000	.00000	.000	667154.688	1129991.022	20.188	-3.922	-48.86052	
2	KK	.038375	667142.347	1129975.045	241.87135	49.950	667102.817	1130005.580				
2	kružnice	35.631	.000	.000	.00000	.000	667130.970	1129960.317	18.611	3.355	45.41181	
3	KT	.074006	667112.728	1129956.624	287.28316	.000	.000	.000				
0	tečna	49.382	.000	.000	.00000	.000	.000	.000	.000	.000	.00000	
4	TK	.123388	667064.328	1129946.825	287.28316	-200.000	667104.014	1129750.802				
3	kružnice	69.810	.000	.000	.00000	.000	667029.766	1129939.827	35.264	-3.085	-22.22136	
5	KP	.193198	666999.680	1129921.431	265.06180	.000	.000	.000				
4	klotoida	.033	666999.680	1129921.431	265.06180	2.240	666999.661	1129921.419	.022	.011	.00709	
6	PK	.193231	666999.652	1129921.414	265.06890	150.000	666921.415	1130049.394				
4	kružnice	88.957	.000	.000	.00000	.000	666960.550	1129897.510	45.830	6.845	37.75456	
7	KP	.282189	666914.765	1129899.542	302.82345	.000	.000	.000				
5	klotoida	.004	666914.765	1129899.542	302.82345	.871	666914.762	1129899.542	.003	.001	-.00061	
8	PK	.282192	666914.761	1129899.542	302.82284	-200.000	666905.896	1129699.739				
5	kružnice	66.498	.000	.000	.00000	.000	666881.235	1129901.030	33.559	-2.796	-21.16713	

9 KT	.348691	666849.060	1129891.493	281.65571	.000	.000	.000			
0 tečna	70.360	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
10 TK	.419051	666781.601	1129871.498	281.65571	45.000	666768.813	1129914.643			
6 kružnice	30.151	.000	.000	.00000	.000	666766.581	1129867.046	15.666	2.649	42.65541
11 KP	.449202	666752.043	1129872.884	324.31112	.000	.000	.000			
7 klotoida	.003	666752.043	1129872.884	324.31112	.352	666752.041	1129872.885	.002	.001	-.00196
12 PK	.449205	666752.040	1129872.885	324.30917	-45.000	666735.272	1129831.126			
7 kružnice	33.610	.000	.000	.00000	.000	666735.678	1129879.456	17.633	-3.331	-47.54898
13 KO	.482815	666719.207	1129873.161	276.76019	-45.000	.000	.000			

Údaje o vrcholech tečnového polygonu trasy

čís.vrch.	YT	XT	T1	T2	alfat
0	667174.663	1129993.951	.000	.000	.00000
1	667154.688	1129991.022	20.188	20.188	-48.86052
2	667130.970	1129960.317	18.611	18.611	45.41181
3	667029.766	1129939.827	35.264	35.264	-22.22136
4	666960.559	1129897.510	45.856	45.839	37.76165
5	666881.236	1129901.030	33.562	33.560	-21.16774
6	666766.581	1129867.046	15.666	15.666	42.65541
7	666735.678	1129879.456	17.635	17.633	-47.55093
8	666719.207	1129873.161	.000	.000	.00000

Údaje o podrobných bodech trasy

	WB	STA	Y	X	sig	R
** OK		.000000	667174.663	1129993.951	290.73187	-50.000
**		.010000	667164.979	1129991.524	277.99948	-50.000
**		.020000	667155.971	1129987.221	265.26708	-50.000
**		.030000	667147.996	1129981.215	252.53469	-50.000
KK		.038375	667142.347	1129975.045	241.87135	49.950
**		.040000	667141.333	1129973.776	243.94249	49.950
**		.050000	667134.239	1129966.751	256.68763	49.950
**		.060000	667125.889	1129961.278	269.43277	49.950
**		.070000	667116.618	1129957.575	282.17791	49.950
KT		.074006	667112.728	1129956.624	287.28316	.000
**		.080000	667106.853	1129955.434	287.28316	.000
**		.090000	667097.052	1129953.450	287.28316	.000
**		.100000	667087.251	1129951.465	287.28316	.000
**		.110000	667077.450	1129949.481	287.28316	.000
**		.120000	667067.649	1129947.497	287.28316	.000

	TK	.123388	667064.328	1129946.825	287.28316	-200.000
**		.130000	667057.870	1129945.406	285.17836	-200.000
**		.140000	667048.202	1129942.856	281.99526	-200.000
**		.150000	667038.673	1129939.827	278.81217	-200.000
**		.160000	667029.307	1129936.325	275.62907	-200.000
**		.170000	667020.128	1129932.359	272.44597	-200.000
**		.180000	667011.159	1129927.940	269.26287	-200.000
**		.190000	667002.422	1129923.078	266.07977	-200.000
	KP	.193198	666999.680	1129921.431	265.06181	-200.000
	PK	.193231	666999.652	1129921.414	265.06871	152.114
**		.200000	666993.799	1129918.015	267.94155	150.000
**		.210000	666984.886	1129913.485	272.18568	150.000
**		.220000	666975.691	1129909.558	276.42982	150.000
**		.230000	666966.255	1129906.253	280.67395	150.000
**		.240000	666956.620	1129903.584	284.91808	150.000
**		.250000	666946.828	1129901.563	289.16221	150.000
**		.260000	666936.924	1129900.198	293.40634	150.000
**		.270000	666926.950	1129899.497	297.65047	150.000
**		.280000	666916.952	1129899.461	301.89461	150.000
	KP	.282189	666914.765	1129899.542	302.82345	.000
	PK	.282192	666914.762	1129899.542	302.82296	-220.554
**		.290000	666906.956	1129899.736	300.33759	-200.000
**		.300000	666896.959	1129899.539	297.15449	-200.000
**		.310000	666886.985	1129898.843	293.97139	-200.000
**		.320000	666877.057	1129897.649	290.78829	-200.000
**		.330000	666867.202	1129895.960	287.60520	-200.000
**		.340000	666857.443	1129893.781	284.42210	-200.000
	KT	.348691	666849.060	1129891.493	281.65571	.000
**		.350000	666847.805	1129891.121	281.65571	.000
**		.360000	666838.217	1129888.279	281.65571	.000
**		.370000	666828.629	1129885.437	281.65571	.000
**		.380000	666819.042	1129882.595	281.65571	.000
**		.390000	666809.454	1129879.754	281.65571	.000
**		.400000	666799.866	1129876.912	281.65571	.000
**		.410000	666790.278	1129874.070	281.65571	.000
	TK	.419051	666781.601	1129871.498	281.65571	45.000
**		.420000	666780.688	1129871.238	282.99891	45.000
**		.430000	666770.830	1129869.688	297.14602	45.000
**		.440000	666760.872	1129870.349	311.29312	45.000
	KP	.449202	666752.043	1129872.884	324.31112	.000
	PK	.449205	666752.040	1129872.885	324.30917	-45.000
**		.450000	666751.300	1129873.175	323.18397	-45.000
**		.460000	666741.638	1129875.674	309.03686	-45.000
**		.470000	666731.663	1129875.981	294.88976	-45.000

**		.480000	666721.866	1129874.083	280.74265	-45.000
**	KO	.482815	666719.207	1129873.161	276.76024	-45.000

P R O T O K O L O N I V E L E T Ě

číslo vrch.	staničení vrcholu	výška vrcholu	typ obl.	poloměr m	tečna m	vzepětí m	spád %	délka m	mezipřímá m
1	.000000	531.254	0	.000	.000	.000			
2	.100000	531.854	2	2200.000	49.217	.551	.600	100.000	50.783
3	.470105	517.515	0	.000	.000	.000	-3.874	370.105	320.888

V Ý P O Č E T V Ý Š E K V P O D R O B N Ý C H B O D E C H

Staničení	označení	výška	spád
.000000	** V	531.254	.600
.010000	**	531.314	.600
.020000	**	531.374	.600
.030000	**	531.434	.600
.040000	**	531.494	.600
.050000	**	531.554	.600
.050783	ZZ	531.559	.600
.060000	**	531.595	.181
.063983	VZ	531.598	.000
.070000	**	531.590	-.274
.080000	**	531.540	-.728
.090000	**	531.444	-1.183
.100000	** V	531.303	-1.637
.110000	**	531.117	-2.092
.120000	**	530.885	-2.546
.130000	**	530.608	-3.001
.140000	**	530.285	-3.455
.149217	KZ	529.947	-3.874
.150000	**	529.917	-3.874
.160000	**	529.529	-3.874
.170000	**	529.142	-3.874
.180000	**	528.755	-3.874
.190000	**	528.367	-3.874
.200000	**	527.980	-3.874
.210000	**	527.592	-3.874
.220000	**	527.205	-3.874
.230000	**	526.817	-3.874
.240000	**	526.430	-3.874
.250000	**	526.043	-3.874
.260000	**	525.655	-3.874

.270000	**		525.268	-3.874
.280000	**		524.880	-3.874
.290000	**		524.493	-3.874
.300000	**		524.105	-3.874
.310000	**		523.718	-3.874
.320000	**		523.331	-3.874
.330000	**		522.943	-3.874
.340000	**		522.556	-3.874
.350000	**		522.168	-3.874
.360000	**		521.781	-3.874
.370000	**		521.393	-3.874
.380000	**		521.006	-3.874
.390000	**		520.619	-3.874
.400000	**		520.231	-3.874
.410000	**		519.844	-3.874
.420000	**		519.456	-3.874
.430000	**		519.069	-3.874
.440000	**		518.681	-3.874
.450000	**		518.294	-3.874
.460000	**		517.906	-3.874
.470000	**		517.519	-3.874
.470105	**	V	517.515	-3.874

Projekt:PROJEKT II/602 Jihlava - JV obchvat
Trasa: PRK1.V12 SO381 - Meliorační příkop v km 2,700
Systém úhlů: grady

Kontrolní opis vstupních údajů												
Typ	D1	D2	DL	R	A1 (-L1)	A2 (-L2)	IB1	Y1	X1	IB2	Y2	X2
1	.000	.000	.000	.000	.000	.000	1	667310.073	1132625.038	2	667346.789	1132600.673
3	.000	.000	.000	-50.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	2	667346.789	1132600.673	3	667381.085	1132594.346
3	.000	.000	.000	50.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	3	667381.085	1132594.346	4	667396.150	1132583.124

Údaje o hlavních bodech směrového vedení trasy											
CB	IND	STA	YH	XH	sigmah	R	YS	XS			
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2 (VZP)	alfat
1	OT	.000000	667310.073	1132625.038	137.29837	.000	.000	.000			
0	tečna	33.840	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
2	TK	.033840	667338.269	1132606.327	137.29837	-50.000	667365.916	1132647.988			
1	kružnice	20.173	.000	.000	.00000	.000	667346.789	1132600.673	10.225	-1.035	-25.68445
3	KT	.054012	667356.845	1132598.818	111.61392	.000	.000	.000			
0	tečna	13.000	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
4	TK	.067012	667369.629	1132596.459	111.61392	50.000	667360.558	1132547.289			
2	kružnice	22.890	.000	.000	.00000	.000	667381.085	1132594.346	11.649	1.339	29.14455
5	KT	.089902	667390.427	1132587.387	140.75847	.000	.000	.000			
0	tečna	7.136	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
6	TO	.097038	667396.150	1132583.124	140.75847	.000	.000	.000			

Údaje o vrcholech tečnového polygonu trasy					
čís.vrch.	YT	XT	T1	T2	alfat
0	667310.073	1132625.038	.000	.000	.00000
1	667346.789	1132600.673	10.225	10.225	-25.68446
2	667381.085	1132594.346	11.649	11.649	29.14455
3	667396.150	1132583.124	.000	.000	.00000

Údaje o podrobných bodech trasy					
WB	STA	Y	X	sig	R
** OT	.000000	667310.073	1132625.038	137.29837	.000
**	.005000	667314.239	1132622.273	137.29837	.000

**		.010000	667318.405	1132619.509	137.29837	.000
**		.015000	667322.571	1132616.744	137.29837	.000
**		.020000	667326.738	1132613.979	137.29837	.000
**		.025000	667330.904	1132611.215	137.29837	.000
**		.030000	667335.070	1132608.450	137.29837	.000
**	TK	.033840	667338.269	1132606.327	137.29837	-50.000
**		.035000	667339.243	1132605.697	135.82089	-50.000
**		.040000	667343.599	1132603.245	129.45469	-50.000
**		.045000	667348.177	1132601.241	123.08849	-50.000
**		.050000	667352.933	1132599.703	116.72230	-50.000
**	KT	.054012	667356.845	1132598.818	111.61406	-50.000
**		.055000	667357.816	1132598.639	111.61392	.000
**		.060000	667362.733	1132597.732	111.61392	.000
**		.065000	667367.650	1132596.824	111.61392	.000
**	TK	.067012	667369.629	1132596.459	111.61392	.000
**		.070000	667372.549	1132595.830	115.41799	50.000
**		.075000	667377.335	1132594.390	121.78419	50.000
**		.080000	667381.954	1132592.480	128.15039	50.000
**		.085000	667386.359	1132590.118	134.51658	50.000
**	KT	.089902	667390.427	1132587.387	140.75800	50.000
**		.090000	667390.505	1132587.329	140.75847	.000
**		.095000	667394.515	1132584.342	140.75847	.000
**	TO	.097038	667396.150	1132583.124	140.75847	.000

PROTOKOL O NIVEL ET Ě

číslo vrch.	staničení vrcholu	výška vrcholu	typ obl.	poloměr m	tečna m	vzepětí m	spád %	délka m	mezipřímá m
1	.000000	563.500	0	.000	.000	.000			
2	.050000	560.500	2	700.000	15.546	.173	-6.000	50.000	34.454
3	.097038	559.767	0	.000	.000	.000	-1.558	47.038	31.492

V Ý P O Č E T V Ý Š E K V P O D R O B N Ý C H B O D E C H

Staničení	označení	výška	spád
.000000	** V	563.500	-6.000
.005000	**	563.200	-6.000
.010000	**	562.900	-6.000
.015000	**	562.600	-6.000
.018341	**	562.400	-6.000
.020000	**	562.300	-6.000
.025000	**	562.000	-6.000
.030000	**	561.700	-6.000

.034454		ZZ	561.433	-6.000
.035000	**		561.400	-5.922
.040000	**		561.122	-5.208
.045000	**		560.879	-4.493
.050000	**	V	560.673	-3.779
.055000	**		560.502	-3.065
.060000	**		560.366	-2.351
.065000	**		560.266	-1.636
.065546		KZ	560.258	-1.558
.070000	**		560.188	-1.558
.075000	**		560.110	-1.558
.080000	**		560.033	-1.558
.085000	**		559.955	-1.558
.090000	**		559.877	-1.558
.095000	**		559.799	-1.558
.097000	**		559.768	-1.558
.097038		V	559.767	-1.558

Projekt:PROJEKT II/602 Jihlava - JV obchvat
Trasa: PRK2.V12 SO382 - Meliorační příkop v km 3,400
Systém úhlů: grady

Kontrolní opis vstupních údajů												
Typ	D1	D2	DL	R	A1 (-L1)	A2 (-L2)	IB1	Y1	X1	IB2	Y2	X2
1	.000	.000	.000	.000	.000	.000	1	667271.225	1131904.427	201	667253.045	1131906.979
3	.000	.000	.000	50.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	201	667253.045	1131906.979	202	667241.180	1131909.480
3	.000	.000	.000	10.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	202	667241.180	1131909.480	203	667228.948	1131918.396
3	.000	.000	.000	-10.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	203	667228.948	1131918.396	2	667140.115	1131947.243
3	.000	.000	.000	-100.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	2	667140.115	1131947.243	3	667101.839	1131951.740
3	.000	.000	.000	-16.000	.000	.000	0	.000	.000	0	.000	.000
1	.000	.000	.000	.000	.000	.000	3	667101.839	1131951.740	4	667101.111	1131935.302

Údaje o hlavních bodech směrového vedení trasy											
CB	IND	STA	YH	XH	sigmah	R	YS	XS			
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2 (VZP)	alfat
1	OT	.000000	667271.225	1131904.427	308.87848	.000	.000	.000			
0	tečna	16.650	.000	.000	.00000	.000	.000	.000	.000	.000	.00000

2 TK	.016650	667254.736	1131906.742	308.87847	50.000	667261.687	1131956.256			
1 kružnice	3.414	.000	.000	.00000	.000	667253.045	1131906.979	1.708	.029	4.34710
3 KT	.020065	667251.374	1131907.331	313.22557	.000	.000	.000			
0 tečna	8.275	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
4 TK	.028340	667243.276	1131909.038	313.22557	10.000	667245.339	1131918.823			
2 kružnice	4.221	.000	.000	.00000	.000	667241.180	1131909.480	2.142	.227	26.87287
5 KT	.032561	667239.449	1131910.742	340.09844	.000	.000	.000			
0 tečna	11.401	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
6 TK	.043963	667230.235	1131917.458	340.09844	-10.000	667224.345	1131909.377			
3 kružnice	3.159	.000	.000	.00000	.000	667228.948	1131918.396	1.593	-.126	-20.10920
7 KT	.047122	667227.433	1131918.888	319.98924	.000	.000	.000			
0 tečna	81.923	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
8 TK	.129044	667149.516	1131944.190	319.98924	-100.000	667118.630	1131849.079			
4 kružnice	19.704	.000	.000	.00000	.000	667140.115	1131947.243	9.884	-.487	-12.54381
9 KT	.148748	667130.299	1131948.396	307.44543	.000	.000	.000			
0 tečna	11.448	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
10 TK	.160196	667118.929	1131949.732	307.44543	-16.000	667117.062	1131933.841			
5 kružnice	26.296	.000	.000	.00000	.000	667101.839	1131951.740	17.208	-7.497	-104.62784
11 TO	.186492	667101.078	1131934.549	202.81759	.000	.000	.000			

Údaje o vrcholech tečnového polygonu trasy					
čís.vrch.	YT	XT	T1	T2	alfat
0	667271.225	1131904.427	.000	.000	.00000
1	667253.045	1131906.979	1.708	1.708	4.34709
2	667241.180	1131909.480	2.142	2.143	26.87287
3	667228.948	1131918.396	1.593	1.593	-20.10920
4	667140.115	1131947.243	9.884	9.884	-12.54381
5	667101.839	1131951.740	17.208	17.208	-104.62784
6	667101.078	1131934.549	.000	.000	.00000

Údaje o podrobných bodech trasy					
WB	STA	Y	X	sig	R
** OT	.000000	667271.225	1131904.427	308.87847	.000
**	.005000	667266.274	1131905.122	308.87847	.000

**		.010000	667261.322	1131905.817	308.87847	.000
**		.015000	667256.371	1131906.512	308.87847	.000
	TK	.016650	667254.737	1131906.742	308.87847	.000
**		.020000	667251.437	1131907.318	313.14321	50.000
	KT	.020065	667251.374	1131907.331	313.22557	.000
**		.025000	667246.545	1131908.349	313.22557	.000
	TK	.028340	667243.277	1131909.038	313.22557	.000
**		.030000	667241.688	1131909.513	323.79251	10.000
	KT	.032561	667239.449	1131910.742	340.09634	10.000
**		.035000	667237.478	1131912.178	340.09843	.000
**		.040000	667233.437	1131915.124	340.09843	.000
	TK	.043963	667230.235	1131917.458	340.09843	-10.000
**		.045000	667229.367	1131918.024	333.49542	-10.000
	KT	.047122	667227.433	1131918.888	319.98924	.000
**		.050000	667224.696	1131919.777	319.98924	.000
**		.055000	667219.940	1131921.321	319.98924	.000
**		.060000	667215.184	1131922.865	319.98924	.000
**		.065000	667210.429	1131924.410	319.98924	.000
**		.070000	667205.673	1131925.954	319.98924	.000
**		.075000	667200.918	1131927.498	319.98924	.000
**		.080000	667196.162	1131929.043	319.98924	.000
**		.085000	667191.407	1131930.587	319.98924	.000
**		.090000	667186.651	1131932.131	319.98924	.000
**		.095000	667181.896	1131933.675	319.98924	.000
**		.100000	667177.140	1131935.220	319.98924	.000
**		.105000	667172.385	1131936.764	319.98924	.000
**		.110000	667167.629	1131938.308	319.98924	.000
**		.115000	667162.873	1131939.853	319.98924	.000
**		.120000	667158.118	1131941.397	319.98924	.000
**		.125000	667153.362	1131942.941	319.98924	.000
	TK	.129044	667149.516	1131944.190	319.98924	.000
**		.130000	667148.605	1131944.481	319.38091	-100.000
**		.135000	667143.800	1131945.860	316.19781	-100.000
**		.140000	667138.931	1131946.997	313.01471	-100.000
**		.145000	667134.012	1131947.889	309.83161	-100.000
	KT	.148748	667130.299	1131948.396	307.44556	-100.000
**		.150000	667129.055	1131948.542	307.44543	.000
**		.155000	667124.090	1131949.126	307.44543	.000
**		.160000	667119.124	1131949.709	307.44543	.000
	TK	.160196	667118.929	1131949.732	307.44543	.000
**		.165000	667114.146	1131949.573	288.33117	-16.000
**		.170000	667109.450	1131947.915	268.43680	-16.000
**		.175000	667105.492	1131944.893	248.54243	-16.000
**		.180000	667102.655	1131940.801	228.64807	-16.000

** KO .186492 667101.078 1131934.549 202.81759 .000

P R O T O K O L O N I V E L E T Ě

číslo vrch.	staničení vrcholu	výška vrcholu	typ obl.	poloměr m	tečna m	vzepětí m	spád %	délka m	mezipřímá m
1	.000000	541.731	0	.000	.000	.000			
2	.017000	542.500	2	500.000	2.775	.008	4.524	17.000	14.225
3	.047000	544.190	2	300.000	3.524	.021	5.633	30.000	23.702
4	.186491	555.325	0	.000	.000	.000	7.983	139.491	135.967

V Ý P O Č E T V Ý Š E K V P O D R O B N Ý C H B O D E C H

Staničení	označení	výška	spád
.000000	** V	541.731	4.524
.010000	**	542.183	4.524
.014225	ZZ	542.374	4.523
.017000	V	542.508	5.078
.019775	KZ	542.656	5.633
.020000	**	542.669	5.633
.030000	**	543.232	5.633
.040000	**	543.796	5.633
.043476	ZZ	543.991	5.633
.047000	V	544.211	6.808
.050000	**	544.430	7.808
.050524	KZ	544.471	7.983
.060000	**	545.228	7.983
.070000	**	546.026	7.983
.080000	**	546.824	7.983
.090000	**	547.623	7.983
.100000	**	548.421	7.983
.110000	**	549.219	7.983
.120000	**	550.017	7.983
.130000	**	550.816	7.983
.140000	**	551.614	7.983
.150000	**	552.412	7.983
.156149	**	552.903	7.983
.160000	**	553.210	7.983
.170000	**	554.009	7.983
.180000	**	554.807	7.983
.186491	V	555.325	7.983
.186492	**		