


Investor:	Mandatář:
 <b>Liberecký kraj</b> U Jezu 642/2a 461 80 Liberec 2	 <b>Krajská správa silnic Libereckého kraje,</b> příspěvková organizace České mládeže 632/32 460 06 Liberec 6

Souřadnicový systém: S-JTSK  
 Výškový systém: Bpv

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Schválil:	Ing. Václav HVÍZDAL	Zodp. projektant:	Ing. Miloš NOVÁK	
Tech. kontrola:	Ing. Petr DRBOHLAV	Vypracoval:	Martin TESLEVIČ	
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Objednatel:	KSSLK p.o.	Obec:	Javorník	Kraj:	Liberecký
Akce:	Silnice III/03520 Dlouhý Most – Javorník, km 0,00 – 1,47			Datum	Stupeň
Část:	C. STAVEBNÍ ČÁST			02/2016	DSP+PDPS
Objekt:	S0101 – Sil. III/03520, úsek km 0,00 – 0,50			Souprava	Č. přílohy
Příloha:	VÝPOČTY				7.

## SMĚROVÝ VÝPOČET DO KRUŽNIC

Verze: 2014

Datum zadání: 21.1.2016

Datum výpočtu: 21. 1.2016 13:28:38

Projekt: JAVORNIK Silnice III/03520 Dlouhý Most - Javorník, km 0,00 - 1,47  
 Trasa: 101.V12 SO101 - Sil. III/03520, úsek km 0,00 - 0,50

\* Použit vstupní soubor Hlavní body směru s názvem 101.SHB  
 \* Akce:  
 \* Trasa:  
 \* Datum vzniku 05.06.2015 programem ISHB3  
 \* Datum posl. zápisu 05.06.2015 programem ISHB3  
 \* Soubor .SHB nového typu  
 \* Konec čtení vstupních údajů

Přečteno 0 řádků dat a 80 úseků ze souboru SHB

Uloženo 80 úseků

\* Vytvořen výstupní soubor Hlavní body směru s názvem WORK.SHB  
 \* Akce: Silnice III/03520 Dlouhý Most - Javorník, km 0,00 - 1,47  
 \* Trasa: SO101 - Sil. III/03520, úsek km 0,00 - 0,50  
 \* Datum vzniku 21. 1.2016 programem RP12  
 \* Datum posl. zápisu 21. 1.2016 programem RP12  
 \* Soubor .SHB nového typu

		Údaje o hlavních bodech směrového vedení trasy									
CB	IND	STA	YH	XH	sigma	R	YS	XS			
CV	TP	DIF	YP	XP	sigp	A	YT	XT	T1	T2(VZP)	alfat
1	OT	.000000	687651.109	980971.508	103.29257	.000	.000	.000			
0	tečna	.018	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
2	TK	.000018	687651.127	980971.507	103.29257	-15.000	687651.903	980986.487			
1	kružnice	5.898	.000	.000	.00000	.000	687654.111	980971.353	2.987	- .295	-25.02977
3	KP	.005916	687656.926	980972.353	78.26280	-15.000	687651.903	980986.487			
1	klotoida	12.000	687666.703	980979.162	52.79801	-13.416	687660.753	980973.713	4.062	8.068	-25.46479
4	PT	.017916	687666.703	980979.162	52.79801	.000	.000	.000			
0	tečna	99.955	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
5	TK	.117870	687740.419	981046.667	52.79801	2000.000	689091.131	979571.683			
2	kružnice	12.328	.000	.000	.00000	.000	687744.965	981050.830	6.164	.009	.39242
6	KT	.130199	687749.537	981054.965	53.19043	.000	.000	.000			
0	tečna	123.021	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
7	TP	.253220	687840.774	981137.487	53.19043	.000	.000	.000			
3	klotoida	30.000	687840.774	981137.487	53.19043	69.282	687855.614	981150.909	20.009	10.008	-5.96831
8	PK	.283220	687862.376	981158.288	47.22212	-160.000	687744.411	981266.383			
3	kružnice	8.141	.000	.000	.00000	.000	687865.126	981161.290	4.072	- .052	-3.23932
9	KP	.291362	687867.721	981164.428	43.98280	-160.000	687744.411	981266.383			
3	klotoida	30.000	687885.349	981188.688	38.01449	-69.282	687874.098	981172.141	10.008	20.009	-5.96831
10	PT	.321362	687885.349	981188.688	38.01449	.000	.000	.000			
0	tečna	42.566	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
11	TP	.363927	687909.282	981223.888	38.01449	.000	.000	.000			
4	klotoida	50.000	687909.282	981223.888	38.01449	132.288	687928.030	981251.460	33.342	16.675	-4.54728
12	PK	.413927	687936.397	981265.884	33.46721	-350.000	687633.657	981441.521			
4	kružnice	12.247	.000	.000	.00000	.000	687939.470	981271.181	6.124	- .054	-2.22755
13	KP	.426174	687942.356	981276.582	31.23966	-350.000	687633.657	981441.521			
4	klotoida	50.000	687963.788	981321.743	26.69237	-132.288	687950.214	981291.289	16.675	33.342	-4.54728
14	PT	.476174	687963.788	981321.743	26.69237	.000	.000	.000			
0	tečna	73.102	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
15	TP	.549276	687993.549	981388.513	26.69237	.000	.000	.000			

5 klotoida 50.000 687993.549 981388.513 26.69237 80.623 688007.145 981419.019 33.398 16.726 12.24269

Údaje o vrcholech tečnového polygonu trasy					
čís.vrch.	YT	XT	T1	T2	alfat
0	687651.109	980971.508	.000	.000	.00000
1	687657.958	980971.153	6.840	11.858	-50.49456
2	687744.965	981050.830	6.164	6.164	.39242
3	687866.127	981160.419	34.185	34.185	-15.17594
4	687940.898	981270.386	56.228	56.228	-11.32212
5	688018.561	981444.631	61.440	53.252	35.49415
6	688118.137	981511.877	31.052	31.052	-15.61445
7	688148.840	981546.079	4.810	4.810	1.22486
8	688182.313	981581.953	19.027	12.380	-84.56697
9	688160.224	981615.847	27.032	22.224	-75.10124
10	687949.273	981576.047	183.374	184.844	-213.71846
11	688178.327	981673.420	15.693	11.078	-33.79208
12	688185.033	981682.465	.182	.182	2.10314
13	688194.903	981694.896	15.691	22.455	281.31244
14	688112.942	981727.397	21.400	21.400	39.67797
15	688075.503	981785.805	33.573	30.636	-290.57956
16	688173.909	981829.992	47.180	48.019	-153.18261
17	688115.108	981849.046	7.065	7.065	5.99266
18	688028.010	981886.643	83.850	86.037	-224.78834
19	688132.702	981884.745	9.037	9.037	-69.03910
20	688140.795	981899.403	5.537	5.537	-32.82443
21	688140.587	981918.043	8.561	16.661	-51.37688
22	688122.001	981935.449	.800	.800	-3.39352
23	688085.602	981966.065	17.606	17.606	11.17921
24	688044.603	982015.150	13.388	13.388	8.51032
25	687996.248	982091.903	44.951	44.951	14.24853
26	687953.499	982213.377	24.402	24.402	3.45129
27	687934.546	982278.267	30.221	30.221	-48.66783
28	687871.336	982314.640	.000	.000	.00000

\* Vytvořen výstupní soubor Staničení s názvem 101.SSS  
 \* Akce: Silnice III/03520 Dlouhý Most - Javorník, km 0,00 - 1,47  
 \* Trasa: SO101 - Sil. III/03520, úsek km 0,00 - 0,50  
 \* Datum vzniku 21. 1.2016 programem RP12  
 \* Datum posl. zápisu 21. 1.2016 programem RP12

Údaje o podrobných bodech trasy					
WB	STA	Y	X	sig	R
** OT	.000000	687651.109	980971.508	103.29257	.000
TK	.000018	687651.127	980971.507	103.29257	.000
**	.005000	687656.054	980972.073	82.14905	-15.000
KP	.005916	687656.926	980972.353	78.26280	-15.000
**	.010000	687660.574	980974.170	63.87837	-22.740
**	.015000	687664.537	980977.210	54.30135	-61.735
PT	.017916	687666.703	980979.162	52.79801	.000
**	.020000	687668.240	980980.570	52.79801	.000
**	.025000	687671.928	980983.946	52.79801	.000
**	.030000	687675.615	980987.323	52.79801	.000
**	.035000	687679.303	980990.700	52.79801	.000
**	.040000	687682.990	980994.077	52.79801	.000
**	.045000	687686.678	980997.453	52.79801	.000
**	.050000	687690.365	981000.830	52.79801	.000
**	.055000	687694.052	981004.207	52.79801	.000
**	.060000	687697.740	981007.584	52.79801	.000
**	.065000	687701.427	981010.961	52.79801	.000
**	.070000	687705.115	981014.337	52.79801	.000
**	.075000	687708.802	981017.714	52.79801	.000
**	.080000	687712.490	981021.091	52.79801	.000
**	.085000	687716.177	981024.468	52.79801	.000
**	.090000	687719.865	981027.844	52.79801	.000
**	.095000	687723.552	981031.221	52.79801	.000
**	.100000	687727.240	981034.598	52.79801	.000
**	.105000	687730.927	981037.975	52.79801	.000
**	.110000	687734.615	981041.352	52.79801	.000
**	.115000	687738.302	981044.728	52.79801	.000
TK	.117870	687740.419	981046.667	52.79801	.000
**	.120000	687741.990	981048.104	52.86580	2000.000
**	.125000	687745.685	981051.473	53.02495	2000.000
**	.130000	687749.389	981054.832	53.18411	2000.000
KT	.130199	687749.537	981054.965	53.19043	.000
**	.135000	687753.097	981058.186	53.19043	.000
**	.140000	687756.806	981061.540	53.19043	.000
**	.145000	687760.514	981064.894	53.19043	.000

**		.150000	687764.222	981068.247	53.19043	.000
**		.155000	687767.930	981071.601	53.19043	.000
**		.160000	687771.638	981074.955	53.19043	.000
**		.165000	687775.347	981078.309	53.19043	.000
**		.170000	687779.055	981081.663	53.19043	.000
**		.175000	687782.763	981085.017	53.19043	.000
**		.180000	687786.471	981088.371	53.19043	.000
**		.185000	687790.179	981091.725	53.19043	.000
**		.190000	687793.888	981095.079	53.19043	.000
**		.195000	687797.596	981098.433	53.19043	.000
**		.200000	687801.304	981101.787	53.19043	.000
**		.205000	687805.012	981105.141	53.19043	.000
**		.210000	687808.720	981108.495	53.19043	.000
**		.215000	687812.429	981111.849	53.19043	.000
**		.220000	687816.137	981115.203	53.19043	.000
**		.225000	687819.845	981118.557	53.19043	.000
**		.230000	687823.553	981121.911	53.19043	.000
**		.235000	687827.261	981125.265	53.19043	.000
**		.240000	687830.970	981128.619	53.19043	.000
**		.245000	687834.678	981131.973	53.19043	.000
**		.250000	687838.386	981135.327	53.19043	.000
TP		.253220	687840.774	981137.487	53.19043	.000
**		.255000	687842.094	981138.681	53.16943	-2696.982
**		.260000	687845.795	981142.043	52.88562	-707.989
**		.265000	687849.472	981145.431	52.27023	-407.478
**		.270000	687853.108	981148.864	51.32328	-286.059
**		.275000	687856.683	981152.360	50.04475	-220.388
**		.280000	687860.177	981155.935	48.43465	-179.240
PK		.283220	687862.375	981158.288	47.22222	-160.001
**		.285000	687863.571	981159.607	46.51398	-160.000
**		.290000	687866.849	981163.383	44.52454	-160.000
KP		.291362	687867.721	981164.428	43.98280	-160.000
**		.295000	687870.008	981167.257	42.62289	-182.083
**		.300000	687873.061	981171.217	41.04053	-224.703
**		.305000	687876.024	981175.244	39.78973	-293.371
**		.310000	687878.919	981179.321	38.87051	-422.478
**		.315000	687881.764	981183.432	38.28286	-754.534
**		.320000	687884.583	981187.562	38.02678	-3525.415
PT		.321362	687885.349	981188.688	38.01449	.000
**		.325000	687887.395	981191.697	38.01449	.000
**		.330000	687890.206	981195.832	38.01449	.000
**		.335000	687893.017	981199.966	38.01449	.000
**		.340000	687895.829	981204.101	38.01449	.000
**		.345000	687898.640	981208.236	38.01449	.000
**		.350000	687901.451	981212.371	38.01449	.000
**		.355000	687904.263	981216.506	38.01449	.000
**		.360000	687907.074	981220.640	38.01449	.000
TP		.363927	687909.282	981223.888	38.01449	.000
**		.365000	687909.885	981224.775	38.01240	-16312.123
**		.370000	687912.695	981228.911	37.94741	-2881.692
**		.375000	687915.497	981233.052	37.79148	-1580.446
**		.380000	687918.287	981237.202	37.54460	-1088.795
**		.385000	687921.057	981241.364	37.20678	-830.454
**		.390000	687923.802	981245.543	36.77801	-671.197
**		.395000	687926.516	981249.742	36.25829	-563.193
**		.400000	687929.193	981253.966	35.64763	-485.130
**		.405000	687931.825	981258.216	34.94602	-426.073
**		.410000	687934.408	981262.497	34.15347	-379.833
PK		.413927	687936.397	981265.883	33.46724	-350.001
**		.415000	687936.934	981266.812	33.27207	-350.000
**		.420000	687939.399	981271.163	32.36261	-350.000
**		.425000	687941.802	981275.548	31.45315	-350.000
KP		.426174	687942.356	981276.582	31.23966	-350.000
**		.430000	687944.142	981279.966	30.57033	-379.003
**		.435000	687946.423	981284.415	29.77594	-425.028
**		.440000	687948.652	981288.891	29.07250	-483.776
**		.445000	687950.835	981293.389	28.46000	-561.369
**		.450000	687952.977	981297.907	27.93845	-668.608
**		.455000	687955.086	981302.441	27.50784	-826.494
**		.460000	687957.167	981306.987	27.16818	-1081.999
**		.465000	687959.227	981311.543	26.91947	-1566.168
**		.470000	687961.273	981316.105	26.76170	-2834.572
**		.475000	687963.310	981320.671	26.69488	-14909.202
PT		.476174	687963.788	981321.743	26.69237	.000
**		.480000	687965.346	981325.238	26.69237	.000
**		.485000	687967.381	981329.805	26.69237	.000
**		.490000	687969.417	981334.372	26.69237	.000
**		.495000	687971.453	981338.939	26.69237	.000
**		.500000	687973.488	981343.506	26.69237	.000

\*\*\* VÝPOČET UKONČEN BEZ CHYB \*\*\*

ROADPAC SI32 - VIANIV Interaktivní niveleta

Verze: 2008

Datum: 21.1.2016

Projekt: Silnice III/03520 Dlouhý Most - Javorník, km 0,00 - 1,47

Trasa: 101.V12 S0101 - Sil. III/03520, úsek km 0,00 - 0,50

## H L A V N Í B O D Y N I V E L E T Y

Číslo	Staničení	Výška vrcholu	Poloměr	Tečna	Vzepětí	Spád	Délka	Mezipřímá
1,	0,000000	517,060	0,000	0,000	0,000	0,634%	11,559	3,761
2,	0,011559	517,133	300,000	7,798	0,101	-4,565%	132,986	105,969
3,	0,144544	511,063	-800,000	19,218	-0,231	0,240%	82,149	50,442
4,	0,226693	511,260	5 000,000	12,488	0,016	-0,260%	33,124	4,742
5,	0,259817	511,174	-3 000,000	15,894	-0,042	0,800%	51,986	24,839
6,	0,311803	511,590	-2 000,000	11,253	-0,032	1,925%	39,227	8,804
7,	0,351031	512,345	-1 200,000	19,171	-0,153	5,120%	67,082	39,623
8,	0,418112	515,780	-2 000,000	8,288	-0,017	5,949%	50,881	32,199
9,	0,468993	518,807	-5 000,000	10,394	-0,011	6,365%	45,609	26,921
10,	0,514602	521,710	2 000,000	8,294	0,017	5,536%	21,949	4,979
11,	0,536551	522,925	-2 000,000	8,676	-0,019	6,403%	21,427	3,035

## 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 nivelety	Výška terénu	Spád nivelety
0,000000	V	517,060	517,055	0,634%
0,003761	ZZ	517,084	517,092	0,634%
0,005000		517,089	517,085	0,221%
0,005663	VZ	517,090	517,082	0,000%
0,010000		517,059	517,051	-1,446%
0,011559	V	517,032	517,016	-1,965%
0,015000		516,945	516,920	-3,112%
0,019357	KZ	516,777	516,743	-4,565%
0,020000		516,748	516,714	-4,565%
0,025000		516,520	516,481	-4,565%
0,030000		516,292	516,258	-4,565%
0,035000		516,063	516,045	-4,565%
0,040000		515,835	515,838	-4,565%
0,045000		515,607	515,598	-4,565%
0,050000		515,379	515,337	-4,565%
0,055000		515,150	515,088	-4,565%
0,060000		514,922	514,860	-4,565%
0,065000		514,694	514,633	-4,565%
0,070000		514,466	514,418	-4,565%
0,075000		514,237	514,190	-4,565%
0,080000		514,009	513,953	-4,565%
0,085000		513,781	513,720	-4,565%
0,090000		513,553	513,482	-4,565%
0,095000		513,324	513,281	-4,565%
0,100000		513,096	513,076	-4,565%
0,105000		512,868	512,870	-4,565%
0,110000		512,640	512,646	-4,565%
0,115000		512,412	512,372	-4,565%
0,120000		512,183	512,129	-4,565%
0,125000		511,955	511,896	-4,565%
0,125326	ZZ	511,940	511,880	-4,565%
0,130000		511,740	511,657	-3,980%
0,135000		511,557	511,449	-3,355%
0,140000		511,405	511,285	-2,730%
0,144544	V	511,294	511,213	-2,162%
0,145000		511,284	511,209	-2,105%
0,150000		511,194	511,161	-1,480%
0,155000		511,136	511,124	-0,855%
0,160000		511,109	511,095	-0,230%
0,161844	VZ	511,107	511,091	0,000%
0,163763	KZ	511,109	511,092	0,240%
0,165000		511,112	511,093	0,240%
0,170000		511,124	511,094	0,240%

0,175000		511,136	511,090	0,240%
0,180000		511,148	511,096	0,240%
0,185000		511,160	511,105	0,240%
0,190000		511,172	511,116	0,240%
0,195000		511,184	511,127	0,240%
0,200000		511,196	511,143	0,240%
0,205000		511,208	511,158	0,240%
0,210000		511,220	511,165	0,240%
0,214205	ZZ	511,230	511,165	0,240%
0,215000		511,232	511,166	0,224%
0,220000		511,241	511,171	0,124%
0,225000		511,244	511,181	0,024%
0,226199	VZ	511,244	511,183	0,000%
0,226693	V	511,244	511,180	-0,010%
0,230000		511,243	511,174	-0,076%
0,235000		511,237	511,187	-0,176%
0,239181	KZ	511,228	511,157	-0,260%
0,240000		511,225	511,155	-0,260%
0,243923	ZZ	511,215	511,135	-0,260%
0,245000		511,213	511,139	-0,224%
0,250000		511,206	511,171	-0,057%
0,251711	VZ	511,205	511,155	0,000%
0,255000		511,207	511,160	0,110%
0,259817	V	511,216	511,163	0,270%
0,260000		511,217	511,164	0,276%
0,265000		511,235	511,188	0,443%
0,270000		511,261	511,221	0,610%
0,275000		511,296	511,240	0,776%
0,275711	KZ	511,301	511,243	0,800%
0,280000		511,335	511,257	0,800%
0,285000		511,375	511,282	0,800%
0,290000		511,415	511,301	0,800%
0,295000		511,455	511,351	0,800%
0,300000		511,495	511,410	0,800%
0,300551	ZZ	511,500	511,416	0,800%
0,305000		511,540	512,142	1,023%
0,310000		511,598	511,551	1,273%
0,311803	V	511,622	511,577	1,363%
0,315000		511,668	511,628	1,523%
0,320000		511,750	511,730	1,773%
0,323056	KZ	511,807	511,786	1,925%
0,325000		511,844	511,826	1,925%
0,330000		511,940	511,917	1,925%
0,331860	ZZ	511,976	511,955	1,925%
0,335000		512,041	512,020	2,187%
0,340000		512,160	512,146	2,604%
0,345000		512,301	512,300	3,020%
0,350000		512,462	512,450	3,437%
0,351031	V	512,498	512,484	3,523%
0,355000		512,645	512,645	3,854%
0,360000		512,848	512,848	4,270%
0,365000		513,072	513,037	4,687%
0,370000		513,316	513,290	5,104%
0,370202	KZ	513,327	513,300	5,120%
0,375000		513,572	513,533	5,120%
0,380000		513,828	513,787	5,120%
0,385000		514,084	514,047	5,120%
0,390000		514,341	514,318	5,120%
0,395000		514,597	514,594	5,120%
0,400000		514,853	514,818	5,120%
0,405000		515,109	515,046	5,120%
0,409825	ZZ	515,356	515,291	5,120%
0,410000		515,365	515,301	5,129%
0,415000		515,627	515,593	5,379%
0,418112	V	515,797	515,774	5,535%
0,420000		515,903	515,885	5,629%
0,425000		516,190	516,169	5,879%
0,426400	KZ	516,273	516,250	5,949%
0,430000		516,487	516,456	5,949%
0,435000		516,785	516,754	5,949%
0,440000		517,082	517,063	5,949%
0,445000		517,380	517,370	5,949%
0,450000		517,677	517,669	5,949%
0,455000		517,975	517,982	5,949%
0,458599	ZZ	518,189	518,195	5,949%
0,460000		518,272	518,282	5,977%
0,465000		518,574	518,586	6,077%
0,468993	V	518,818	518,826	6,157%
0,470000		518,880	518,889	6,177%
0,475000		519,191	519,188	6,277%
0,479387	KZ	519,469	519,460	6,365%
0,480000		519,508	519,497	6,365%

0,485000	519,826	519,801	6,365%
0,490000	520,144	520,117	6,365%
0,495000	520,462	520,439	6,365%
0,500000	520,781	520,753	6,365%

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