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Schválil:	Ing. Václav HVÍZDAL	Zodp. projektant:	
Tech. kontrola:		Vypracoval:	
		GRV Engineering, s.r.o	

Objednatel:	ŘSD ČR, správa Praha	Obec:	Kolín	Kraj:	Středočeský
Akce:	I/38H KOLÍN, MOSTY EV.Č. 38H-037, 38H-037A, 38H-039, 38H-040 MOST EV.Č. 38H-039 A: SOUHRNNÉ ŘEŠENÍ STAVBY GEODETICKÉ PODKLADY			Datum	Stupeň
Stavba:				4/2019	PDPS
Část:				Souprava	Č. přílohy
Příloha:					A.3



GRV

Špindlerova třída 688, Roudnice nad Labem

Zpracoval:

Ing. Vojtěch Pětník

Ověřil:

Ing. Miloslav Krejný

Kraj:

Středočeský

Okres:

Kolín

K.ú.:

Kolín

Souř.sys.:

JTSK

Výškový sys.:

Bpv

Objednavatel:

Pontex spol. s.r.o., Bezová 1658/1, Praha 147 00

**Zaměření polohopisu a výškopisu
most 38H-039**

Obsah:

Technická zpráva, výkres, seznam souřadnic

Technická zpráva

1. Informace o zakázce

<u>Zakázka:</u>	<i>Zaměření polohopisu a výškopisu - most 38H-039</i>
<u>Číslo zakázky:</u>	<i>589/2017</i>
<u>Katastrální území:</u>	<i>Kolín</i>
<u>Obec:</u>	<i>Kolín</i>
<u>Okres:</u>	<i>Kolín</i>
<u>Odběratel:</u>	<i>Pontex spol. s.r.o., Bezová 1658/1, Praha 147 00</i>
<u>Dodavatel:</u>	<i>GRV Engineering s.r.o., Špindlerova třída 688, 413 01 Roudnice nad Labem</i>
<u>Souřadnicový systém:</u>	<i>JTSK</i>
<u>Výškový systém:</u>	<i>BpV</i>

2. Zadání

Předmětem zakázky je polohopisné a výškopisné zaměření mostu s označením 38H-039 a jeho okolí v Kolíně. Rozsah zaměřeného území byl stanoven projektantem. Zaměření bylo provedeno v říjnu 2017.

3. Způsob zpracování

Polohově bylo měření připojeno na pomocné měřické body 4001 až 4005, které byly určeny pomocí GNSS. Měření GNSS bylo provedeno na každém bodě dvakrát, v intervalu mezi měřeními v řádu hodin (viz. protokol měření GNSS v archivu zhotovitele). Výškově bylo měření připojeno na nivelační bod ČSNS s označením Jef - 10. Podrobné měření bylo provedeno polární metodou z připraveného bodového pole. Použité přístroje a metoda nám umožňují zařadit podrobné měření do 3.třídy přesnosti podle ČSN 013410 "Mapy velkých měřítek - základní ustanovení", tj. $m_{xy}=0.14\text{m}$ a $m_{xv}=0.12\text{m}$.

4. kancelářské práce

Souřadnice byly vypočteny v programu Groma v.7 . Zpracování zakázky proběhlo v programu Kokeš v.12.66. Kresba byla vyexportována do formátu *.DWG,*.PDF.

5. Vlastnické hranice

Vlastnické hranice byly získány na podkladě digitální katastrální mapy (DKM).

6. Přílohy

- Výkres
- Seznam souřadnic

7. Použité přístroje a pomůcky

Totální stanice: **Leica TS15 P1" R400** v.č.: 1668266
+ stativ Leica, odrazný hranol 360°, odrazný mini-hranol 360°

GNSS aparatura: **Topcon Hiper** +
+ výtyčka

V Roudnici nad Labem 31. 10. 2017

Ing. Vojtěch Pětník

1	687021.120	1058613.744	202.358
2	687018.202	1058612.143	202.339
3	687016.597	1058612.235	202.424
4	687016.375	1058611.129	202.322
5	687016.174	1058610.942	202.206
6	687015.986	1058610.758	202.206
7	687014.759	1058612.002	202.239
8	687014.005	1058611.363	202.280
9	687013.791	1058613.686	202.321
10	687015.944	1058615.213	202.366
11	687014.224	1058617.954	202.387
12	687011.423	1058615.985	202.413
13	687010.679	1058616.810	202.410
14	687010.438	1058616.645	202.296
15	687010.240	1058616.507	202.309
16	687015.688	1058621.807	202.383
17	687014.846	1058622.435	202.415
18	687013.771	1058623.792	202.427
19	687011.809	1058626.618	202.337
20	687006.026	1058622.814	202.362
21	687006.215	1058622.958	202.362
22	687006.446	1058623.099	202.465
23	687005.079	1058625.476	202.377
24	687005.350	1058625.502	202.373
25	687005.628	1058625.526	202.479
26	687004.755	1058628.404	202.354
27	687005.029	1058628.374	202.334
28	687005.310	1058628.409	202.456
29	687004.785	1058629.991	202.349
30	687005.076	1058629.974	202.332
31	687005.308	1058629.917	202.463
32	687005.222	1058631.074	202.333
33	687005.459	1058630.999	202.426
34	687009.466	1058631.368	202.457
35	687010.032	1058635.909	202.422
36	687012.084	1058639.215	202.427
37	687012.668	1058639.799	202.408
38	687011.176	1058641.147	202.430
39	687011.002	1058641.340	202.336
40	687008.614	1058637.771	202.378
41	687008.418	1058637.897	202.334
42	687006.305	1058633.523	202.401
43	687006.080	1058633.621	202.338
44	687006.681	1058646.361	202.455
45	687006.518	1058646.474	202.531
46	687006.154	1058646.002	202.520
47	687006.206	1058645.852	202.459
48	687003.862	1058643.830	202.469
49	687003.721	1058644.064	202.510

50	687001.813	1058642.861	202.434
51	687001.724	1058643.164	202.510
52	686999.831	1058642.553	202.465
53	686999.778	1058642.828	202.503
54	686997.417	1058642.333	202.494
55	686997.414	1058642.598	202.473
56	686997.420	1058642.897	202.566
57	686994.483	1058642.773	202.604
58	686994.520	1058643.034	202.601
59	686994.573	1058643.314	202.674
60	686992.411	1058643.592	202.706
61	686992.535	1058643.847	202.663
62	686992.687	1058644.041	202.743
63	686992.268	1058645.003	202.751
64	686990.587	1058646.775	202.732
65	686990.779	1058646.897	202.688
66	687002.505	1058648.231	202.647
67	686993.610	1058647.665	202.570
68	686992.039	1058649.949	202.659
69	686992.112	1058650.006	202.653
70	686990.567	1058652.168	202.867
71	686990.643	1058652.213	202.874
72	686990.378	1058652.515	202.874
73	686989.974	1058653.045	202.877
74	686988.976	1058654.521	202.888
75	686988.488	1058655.474	202.913
76	686988.402	1058655.405	202.909
77	686987.357	1058657.097	202.817
78	686984.466	1058661.227	202.800
79	686984.572	1058661.281	202.778
80	686992.486	1058668.035	202.537
81	686993.487	1058667.583	202.858
82	686995.033	1058666.918	203.109
83	686996.375	1058666.223	203.118
84	686997.666	1058665.506	202.828
85	686998.525	1058664.972	202.401
86	686996.040	1058662.516	202.765
87	687001.583	1058657.176	202.546
88	686994.840	1058658.631	202.831
89	687004.344	1058675.291	202.489
90	687002.988	1058675.937	202.996
91	687002.106	1058676.504	203.333
92	687000.804	1058677.257	203.326
93	686999.777	1058677.801	203.115
94	686999.101	1058678.267	202.697
95	686985.732	1058643.086	202.711
96	686984.726	1058644.672	202.727
97	686982.067	1058633.389	202.568
98	686980.661	1058633.954	202.565

99 686986.874 1058628.145 202.382
100 686995.977 1058627.647 202.510
101 687009.392 1058607.497 202.293
102 687007.793 1058605.340 202.245
103 687003.327 1058606.352 202.219
104 687002.593 1058603.965 202.343
105 687003.844 1058602.964 202.331
106 687005.230 1058603.549 202.204
107 687005.030 1058603.364 202.200
108 687004.775 1058603.156 202.300
109 687003.641 1058601.411 202.359
110 687003.500 1058601.337 202.462
111 687002.803 1058602.665 202.372
112 687002.737 1058602.575 202.431
113 686999.695 1058600.739 202.149
114 686997.373 1058604.276 202.122
115 686997.337 1058604.963 202.407
116 686996.831 1058605.875 202.452
117 687000.123 1058606.501 202.485
118 687000.236 1058606.546 202.416
119 686991.640 1058619.065 202.649
120 686991.766 1058619.166 202.472
121 686992.297 1058621.903 202.474
122 686992.545 1058622.020 202.385
123 686992.829 1058622.148 202.390
124 686992.476 1058621.057 202.448
125 686989.872 1058623.011 202.475
126 686990.007 1058624.412 202.394
127 686989.915 1058624.142 202.386
128 686989.809 1058623.932 202.495
129 686989.744 1058621.213 202.530
130 686989.636 1058621.079 202.638
131 686986.071 1058623.242 202.573
132 686986.142 1058623.372 202.491
133 686986.936 1058625.403 202.495
134 686987.044 1058625.674 202.402
135 686987.164 1058625.902 202.415
136 686983.846 1058626.505 202.473
137 686983.646 1058627.277 202.417
138 686983.483 1058627.044 202.430
139 686983.422 1058626.839 202.483
140 686982.457 1058624.873 202.439
141 686982.431 1058624.702 202.489
142 686980.223 1058625.203 202.460
143 686980.273 1058625.292 202.483
144 686979.375 1058625.383 202.475
145 686977.846 1058625.563 202.465
146 686976.964 1058625.500 202.453
147 686976.961 1058625.670 202.467

148	686974.475	1058625.580	202.412
149	686974.503	1058625.806	202.413
150	686980.574	1058620.382	202.355
151	686980.985	1058620.222	202.378
152	686976.891	1058613.846	202.101
153	686976.050	1058614.209	202.337
154	686974.636	1058614.752	202.330
155	686973.887	1058614.931	202.105
156	686972.359	1058615.485	202.129
157	686971.490	1058615.798	202.267
158	686970.066	1058616.345	202.270
159	686969.054	1058616.619	202.155
160	686967.661	1058616.993	202.188
161	686966.261	1058612.175	202.177
162	686966.745	1058608.457	202.036
163	686967.829	1058608.294	202.209
164	686969.271	1058607.924	202.209
165	686970.121	1058607.749	202.065
166	686971.504	1058607.338	202.096
167	686972.419	1058606.988	202.260
168	686973.885	1058606.551	202.266
169	686975.239	1058606.165	202.036
170	686978.084	1058609.803	201.983
171	686981.543	1058608.634	202.143
172	686983.039	1058614.116	202.137
173	686985.892	1058615.996	202.163
174	686989.399	1058611.337	202.157
175	686991.762	1058612.758	202.529
176	686968.522	1058631.837	202.281
177	686974.194	1058625.605	202.401
178	686972.665	1058625.595	202.401
179	686972.036	1058625.589	202.370
180	686972.033	1058625.813	202.371
181	686969.386	1058625.630	202.253
182	686969.381	1058625.828	202.259
183	686968.935	1058627.996	202.255
184	686968.917	1058628.139	202.247
185	686964.638	1058625.126	202.113
186	686964.806	1058624.566	202.130
187	686962.015	1058623.056	202.062
188	686957.261	1058621.181	201.855
189	686956.004	1058623.187	201.752
190	686955.936	1058623.323	201.670
191	686952.091	1058632.300	201.827
192	686959.016	1058636.505	202.086
193	686958.913	1058637.981	202.104
194	686963.090	1058642.092	202.384
195	686963.837	1058643.815	202.463
196	686970.737	1058644.943	202.439

197	686967.480	1058645.538	202.801
198	686967.573	1058645.950	202.769
199	686967.819	1058646.073	202.738
200	686967.582	1058646.367	202.714
201	686967.913	1058647.064	202.652
202	686967.273	1058648.090	202.559
203	686966.261	1058647.458	202.556
204	686966.886	1058646.426	202.689
205	686966.877	1058646.433	203.302
206	686967.901	1058647.077	203.322
207	686967.276	1058648.086	203.327
208	686966.263	1058647.456	203.315
209	686967.555	1058646.442	205.363
210	686967.323	1058647.345	203.341
211	686966.894	1058647.078	203.335
212	686966.869	1058647.080	205.125
213	686967.293	1058647.346	205.132
214	686965.984	1058648.955	202.371
215	686971.411	1058647.410	202.435
216	686971.261	1058647.557	202.476
217	686972.643	1058648.452	202.541
218	686972.522	1058648.776	202.577
219	686972.499	1058648.758	202.649
220	686972.420	1058648.707	202.652
221	686970.763	1058650.519	202.617
222	686970.781	1058650.529	202.785
223	686971.547	1058651.020	202.770
224	686971.557	1058651.020	202.674
225	686971.217	1058650.777	202.683
226	686971.203	1058650.779	202.741
227	686971.136	1058650.733	202.738
228	686973.130	1058650.355	202.588
229	686973.675	1058649.954	202.567
230	686973.439	1058650.018	202.579
231	686973.708	1058651.035	202.537
232	686973.483	1058650.905	202.491
233	686973.461	1058650.889	202.595
234	686973.277	1058650.752	202.604
235	686981.043	1058650.106	202.704
236	686979.963	1058651.934	202.718
237	686977.969	1058639.138	202.597
238	686976.532	1058639.522	202.602
239	686984.235	1058661.650	202.801
240	686983.100	1058663.193	202.800
241	686982.841	1058663.543	202.785
242	686982.925	1058663.586	202.789
243	686982.105	1058664.532	202.804
244	686979.831	1058664.113	202.723
245	686980.074	1058663.079	202.755

246	686979.858	1058662.958	202.767
247	686979.837	1058662.931	202.699
248	686979.657	1058662.836	202.743
249	686982.393	1058670.284	202.717
250	686982.876	1058670.092	202.744
251	686979.261	1058672.726	202.567
252	686984.402	1058672.675	202.440
253	686985.881	1058673.253	202.851
254	686985.516	1058674.163	202.530
255	686987.401	1058673.034	202.862
256	686988.394	1058673.562	202.614
257	686989.338	1058674.550	202.847
258	686984.388	1058675.897	202.672
259	686985.659	1058679.007	202.630
260	686991.830	1058685.469	202.665
261	686990.737	1058685.622	202.896
262	686989.274	1058685.991	202.883
263	686988.380	1058686.163	202.598
264	686987.896	1058688.112	202.718
265	686987.344	1058688.317	202.706
266	686987.303	1058688.324	201.166
267	686983.517	1058673.673	202.726
268	686978.925	1058670.183	202.735
269	686978.895	1058670.186	202.893
270	686978.159	1058669.699	202.867
271	686978.508	1058669.895	202.807
272	686978.622	1058669.966	202.797
273	686977.239	1058667.363	202.856
274	686977.154	1058667.002	202.747
275	686977.172	1058666.999	202.830
276	686977.054	1058666.622	202.752
277	686974.428	1058660.242	202.766
278	686965.601	1058658.442	202.771
279	686966.174	1058659.204	202.752
280	686966.749	1058660.724	202.732
281	686966.872	1058661.001	202.715
282	686966.875	1058661.028	202.613
283	686966.990	1058661.335	202.631
284	686969.600	1058667.573	202.744
285	686971.978	1058674.385	202.728
286	686972.075	1058674.614	202.728
287	686972.097	1058674.627	202.855
288	686972.163	1058674.971	202.858
289	686973.070	1058677.259	202.848
290	686973.584	1058678.187	202.862
291	686968.516	1058685.829	202.504
292	686968.518	1058685.812	202.842
293	686967.749	1058685.332	202.823
294	686968.104	1058685.598	202.764

295	686968.222	1058685.675	202.775
296	686965.814	1058687.125	202.785
297	686964.015	1058686.679	202.585
298	686962.845	1058687.454	202.626
299	686966.994	1058682.784	202.805
300	686966.815	1058682.613	202.797
301	686966.780	1058682.642	202.647
302	686966.702	1058682.346	202.670
303	686964.123	1058675.936	202.703
304	686961.928	1058669.017	202.558
305	686961.808	1058668.737	202.547
306	686961.765	1058668.762	202.653
307	686961.697	1058668.427	202.674
308	686962.294	1058667.465	202.705
309	686961.224	1058666.750	202.715
310	686960.717	1058666.423	202.730
311	686960.472	1058666.251	202.725
312	686960.416	1058666.276	202.502
313	686959.304	1058661.415	202.344
314	686959.172	1058660.987	202.099
315	686958.164	1058660.326	202.144
316	686958.816	1058659.327	201.508
317	686959.819	1058659.976	201.361
318	686959.168	1058660.971	203.322
319	686959.819	1058659.975	203.322
320	686958.821	1058659.322	203.310
321	686958.173	1058660.318	203.320
322	686958.611	1058660.251	203.342
323	686959.035	1058660.517	203.333
324	686959.164	1058660.317	205.135
325	686958.412	1058661.076	205.333
326	686958.354	1058661.003	202.172
327	686959.276	1058672.997	202.452
328	686957.132	1058674.491	202.521
329	686955.505	1058671.781	202.464
330	686954.575	1058669.399	202.219
331	686954.879	1058668.809	201.958
332	686955.418	1058668.848	202.115
333	686952.626	1058666.495	201.722
334	686950.423	1058664.140	201.733
335	686953.548	1058671.198	202.021
336	686957.576	1058670.840	202.495
337	686958.416	1058674.274	202.441
338	686958.062	1058674.389	202.425
339	686958.079	1058674.353	202.522
340	686957.851	1058674.241	202.528
341	686952.177	1058676.714	202.413
342	686950.686	1058681.565	202.467
343	686948.868	1058680.275	201.868

344	686946.426	1058682.583	201.599
345	686948.255	1058683.977	202.381
346	686949.492	1058684.680	202.441
347	686951.283	1058685.683	202.451
348	686951.488	1058685.783	202.464
349	686951.498	1058685.809	202.366
350	686951.741	1058685.922	202.392
351	686955.930	1058688.458	202.629
352	686960.982	1058691.401	202.599
353	686961.223	1058691.532	202.578
354	686961.231	1058691.557	202.688
355	686961.449	1058691.674	202.684
356	686963.700	1058692.988	202.603
357	686963.837	1058693.033	202.651
358	686966.173	1058695.397	201.909
359	686970.259	1058698.157	201.443
360	686975.983	1058700.496	201.161
361	686971.730	1058705.467	201.681
362	686962.727	1058698.734	201.983
363	686958.367	1058701.676	202.513
364	686958.256	1058701.582	202.521
365	686956.176	1058700.177	202.586
366	686955.974	1058700.046	202.595
367	686955.924	1058700.078	202.475
368	686955.728	1058699.897	202.503
369	686950.569	1058696.683	202.604
370	686946.934	1058694.485	202.416
371	686946.709	1058694.374	202.402
372	686946.708	1058694.351	202.495
373	686946.502	1058694.234	202.488
374	686944.742	1058693.140	202.447
375	686943.845	1058692.650	202.285
376	686941.451	1058691.455	201.351
377	686949.809	1058688.170	202.481
378	686942.137	1058700.911	202.463
379	686941.686	1058703.634	202.393
380	686941.407	1058703.485	202.371
381	686940.083	1058705.757	202.398
382	686940.085	1058705.724	202.462
383	686939.985	1058705.676	202.462
384	686939.869	1058705.622	202.450
385	686953.893	1058704.535	202.549
386	686949.595	1058709.880	202.419
387	686946.814	1058714.337	202.385
388	686946.990	1058714.453	202.375
389	686947.010	1058714.469	202.453
390	686947.106	1058714.520	202.488
391	686947.210	1058714.579	202.490
392	686947.562	1058714.046	202.498

393	686950.529	1058714.335	202.578
394	686950.700	1058714.356	202.605
395	686951.355	1058712.569	202.571
396	686951.472	1058712.629	202.584
397	686950.115	1058715.959	202.583
398	686950.235	1058715.979	202.573
399	686953.249	1058713.234	202.379
400	686951.431	1058726.698	202.537
401	686949.271	1058725.540	202.680
402	686946.231	1058725.638	202.658
403	686944.441	1058722.627	202.464
404	686944.291	1058721.562	202.397
405	686946.032	1058722.133	202.462
406	686940.951	1058711.756	202.534
407	686937.606	1058709.651	202.388
408	686937.560	1058709.617	202.469
409	686937.590	1058709.669	202.471
410	686935.783	1058708.459	202.433
411	686935.001	1058707.559	202.207
412	686932.640	1058705.700	201.251
413	686932.704	1058713.150	202.342
414	686931.396	1058718.751	202.366
415	686930.056	1058718.788	202.459
416	686922.261	1058722.635	201.281
417	686924.831	1058724.336	202.296
418	686925.385	1058724.603	202.407
419	686927.067	1058725.764	202.324
420	686927.150	1058725.821	202.337
421	686930.436	1058727.768	202.463
422	686938.984	1058731.522	202.262
423	686939.019	1058731.500	202.315
424	686939.176	1058731.472	202.356
425	686936.494	1058732.105	202.319
426	686936.657	1058726.745	202.406
427	686940.156	1058727.701	202.271
428	686968.807	1058685.332	202.293
429	686968.509	1058685.164	202.280
430	686968.870	1058685.085	201.945
431	686970.656	1058682.132	201.757
432	686970.663	1058682.159	200.111
433	686972.695	1058682.670	199.928
434	686974.230	1058681.839	198.830
435	686973.119	1058681.980	199.507
436	686973.163	1058681.956	198.835
437	686969.603	1058686.806	202.727
438	686974.551	1058697.185	201.031
439	686975.462	1058696.123	201.551
440	686975.050	1058686.026	198.801
441	686974.161	1058691.186	198.991

442	686976.360	1058694.523	199.056
443	686970.986	1058691.691	201.781
444	686985.812	1058688.236	200.935
445	686983.910	1058689.591	201.595
446	686981.607	1058688.882	200.633
447	686979.671	1058688.766	199.114
448	686977.788	1058671.900	202.319
449	686977.517	1058671.742	202.307
450	686977.534	1058672.112	202.013
451	686976.342	1058673.553	201.782
452	686976.342	1058673.554	200.082
453	686975.429	1058675.051	199.892
454	686978.173	1058681.589	199.989
455	686976.446	1058682.158	198.828
456	686973.762	1058678.013	202.289
457	686973.436	1058677.883	202.275
458	686973.460	1058677.913	201.782
459	686969.767	1058652.080	202.356
460	686969.999	1058652.265	202.354
461	686968.690	1058654.203	201.802
462	686968.690	1058654.203	200.052
463	686967.373	1058656.008	199.750
464	686965.703	1058656.722	198.707
465	686964.872	1058659.549	198.737
466	686963.358	1058660.098	199.833
467	686963.930	1058661.443	199.824
468	686963.032	1058662.833	199.980
469	686963.016	1058662.818	201.762
470	686965.736	1058658.672	201.798
471	686965.886	1058658.505	202.356
472	686965.623	1058658.387	202.363
473	686960.899	1058665.556	202.343
474	686961.197	1058665.649	202.342
475	686951.921	1058654.507	201.166
476	686954.779	1058651.211	199.275
477	686956.391	1058649.717	198.452
478	686957.340	1058648.641	198.904
479	686958.084	1058642.723	202.033
651	686956.980	1058635.200	202.090
652	686953.360	1058639.840	201.790
653	686949.160	1058644.320	198.550
654	686948.490	1058645.590	198.640
655	686948.180	1058646.510	199.220
656	686945.930	1058648.770	199.510
657	686943.960	1058651.430	200.880
658	686918.120	1058634.250	200.360
659	686919.940	1058630.180	198.450
661	686926.000	1058620.210	201.100
662	686899.931	1058617.632	199.940

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663	686899.000	1058620.376	199.580
664	686897.380	1058622.870	198.240
665	686898.070	1058621.950	198.290
666	686896.400	1058623.710	198.320
667	686895.860	1058624.510	199.010
668	686893.540	1058628.730	200.660
669	686920.979	1058628.471	198.470
670	686920.459	1058629.325	198.109
671	686923.922	1058623.628	201.003
672	686958.744	1058660.046	205.135