








Správa železniční dopravní cesty

			ČÍSLO SOUPRAVY:
		PO PŘIPOMÍNKOVÉM ŘÍZENÍ	
REVIZE Č.	DATUM	ZMĚNA	



**EXprojekt s.r.o.**  
**Kounicova 688/26**  
**602 00 Brno**

OBJEDNAVATEL:		 <small>Správa železniční dopravní cesty</small>	Správa železniční dopravní cesty Správa železniční geodézie Olomouc, Nerudova 1, 772 58 Olomouc	tel. : +420 533 312 000 E-mail: info@exprojekt.cz	
HLAVNÍ INŽENÝR PROJEKTU Ing. Lukáš Mazel 		ODPOVĚDNÝ PROJ. PS, SO Ing. Lukáš Mazel 	NAVRHL, VYPRACOVAL Ing. Jaroslav Šmíd 	KONTRLOVAL Ing. Lukáš Mazel 	
KRAJ: Moravskoslezský		POVĚŘENÝ MŮ: -		STUPEŇ: Technický projekt	
Tvorba projektu osy koleje č. 1 na TÚ 2253 Krnov – Jindřichov ve Slezku st.hr., km 87,801 – 87,847=0,000 – 25,710 Technický projekt				ZAK. ČÍSLO 018-2016	
				MĚŘITKO -	POČET FORMÁTŮ 16 x A4
				DATUM: 10/2016	
Seznam vytyčovacíh bodů				ČÁST DOKUM. -	PŘÍLOHA 4

Vytyčovací body koleje				
Číslo bodu	Y	X	Z	Kód
5001	510849,3460	1068974,4490	323,229	ZV5
6001	510849,3460	1068974,4490	323,229	LN
5002	510847,7622855	1068957,9091068	323,287	BO5
5004	510844,3617	1068941,6453	323,345	KV5
5003	510846,1786	1068941,3692	323,345	KV5
6002	510844,2648	1068921,3827	323,415	ZZO
6003	510843,7180	1068915,6718	323,435	LN
6004	510843,1712	1068909,9609	323,439	KZO
5005	510842,2060	1068899,8811	323,445	ZP2
5006	510837,9290	1068823,0490	323,492	ZO2
5007	510821,1874277	1068680,3683605	0,000	VB2
6005	510932,5718	1068602,6977	323,643	ZZO
6006	510933,8872	1068601,3947	323,644	LN
6007	510935,2102	1068600,0992	323,647	KZO
5008	510937,1212	1068598,2539	323,651	KO2
5009	510999,2360	1068547,9251	323,774	KP2
6008	511001,4672	1068546,2654	323,778	ZZO
6009	511008,5552	1068540,9929	323,792	LN
6010	511015,6433	1068535,7204	323,845	KZO
6011	511375,7424	1068267,8568	326,518	ZZO
6012	511387,1929	1068259,3393	326,603	LN
6013	511398,6435	1068250,8217	326,620	KZO
6014	511438,7731	1068220,9708	326,680	ZZO
6015	511440,6982	1068219,5388	326,683	LN
6016	511442,6233	1068218,1068	326,683	KZO
6017	511671,6085	1068047,7738	326,683	ZZO
6018	511675,8293	1068044,6341	326,683	LN
6019	511680,0501	1068041,4944	326,697	KZO
6020	511763,4305	1067979,4711	326,970	ZZO
6021	511766,4292	1067977,2404	326,980	LN
6022	511769,4280	1067975,0097	326,997	KZO
6023	511923,2805	1067860,5649	327,859	ZZO
6024	511928,8996	1067856,3851	327,891	LN
6025	511934,5186	1067852,2054	327,947	KZO
5010	512018,6216	1067789,6445	328,786	ZP3
5011	512047,6579	1067768,3645	329,074	ZO3
6026	512054,9361	1067763,2455	329,145	ZZO
6027	512056,2858	1067762,3087	329,158	LN
6028	512057,6374	1067761,3745	329,170	KZO
5012	512100,1616767	1067728,9900339	0,000	VB3
5013	512159,5899	1067701,1462	330,021	KO3
5014	512192,0185	1067685,5149	330,279	KP3

6029	512389,3342	1067592,1269	331,846	ZZO
6030	512390,9424	1067591,3657	331,859	LN
6031	512392,5507	1067590,6045	331,873	KZO
5015	512837,4783	1067380,0236	335,845	ZP4
5016	512923,8392	1067335,9327	336,628	ZO4
6032	512934,0814	1067329,7495	336,724	ZZO
6033	512934,9940	1067329,1834	336,733	LN
6034	512935,9055	1067328,6155	336,741	KZO
6035	513006,3168	1067276,2214	337,403	ZZO
6036	513016,0956	1067267,4095	337,502	LN
6037	513025,6562	1067258,3614	337,515	KZO
5017	513075,955267	1067267,1541260	0,000	VB4
6038	513073,5463	1067205,3174	337,582	ZZO
6039	513074,5619	1067204,0262	337,584	LN
6040	513075,5736	1067202,7320	337,584	KZO
5018	513133,5185	1067110,4495	337,598	KO4
5019	513171,2288	1067021,1177	337,611	KP4
6041	513260,2261	1066791,2884	337,642	ZZO
6042	513261,9123	1066786,9340	337,643	LN
6043	513263,5984	1066782,5796	337,655	KZO
6044	513384,0480	1066471,5272	338,476	ZZO
6045	513388,7154	1066459,4739	338,508	LN
6046	513393,3828	1066447,4207	338,623	KZO
5020	513407,5384	1066410,8647	338,973	ZP5
5021	513418,9564	1066380,9714	339,259	ZO5
5022	513440,9580515	1066324,5609733	0,000	VB5
5023	513453,5751	1066271,4388	340,285	KO5
5024	513463,9729	1066229,7155	340,669	KP5
6047	513481,6725	1066156,7741	341,338	ZZO
6048	513482,2940	1066154,2131	341,362	LN
6049	513482,9154	1066151,6522	341,389	KZO
5025	513634,9914	1065524,9380	347,995	ZP6
5026	513647,3726	1065477,5341	348,497	ZO6
6050	513650,2707	1065468,1906	348,597	ZZO
6051	513653,4110	1065458,7710	348,699	LN
6052	513656,7501	1065449,4200	348,751	KZO
5027	513666,0518876	1065396,9357718	0,000	VB6
6053	513711,7333	1065344,0001	349,381	ZZO
6054	513714,3969	1065340,2123	349,405	LN
6055	513717,0978	1065336,4510	349,419	KZO
5028	513719,3831	1065333,3286	349,430	KO/ZPm
5030	513746,1195105	1065299,5704985	0,000	VB7
5029	513750,0314	1065295,1088	349,576	KPm/ZO
6056	513752,4091	1065292,3125	349,586	ZZO
6057	513754,4519	1065289,9205	349,596	LN

6058	513756,4994	1065287,5324	349,610	KZO
5032	513758,2420	1065285,5075	349,622	ZV1
5031	513758,2420	1065285,5075	349,622	KO7
5033	513765,8888848	1065276,6364048	349,675	BO1
5034	513777,5382	1065263,1223	349,756	KV1
5035	513779,4698	1065263,8660	349,756	KV1
5038	513895,8748	1065125,8421	350,578	KV2
5039	513897,3310	1065126,9631	350,578	KV2
5037	513906,7233228	1065113,2569204	350,654	BO2
6059	513909,7829	1065109,7075	350,675	ZZO
5036	513913,5940	1065105,2863	350,706	ZV2
6060	513914,0855	1065104,7162	350,705	LN
6061	513918,3880	1065099,7249	350,757	KZO
6062	513958,2698	1065053,4588	351,235	ZZO
6063	513960,4404	1065050,9408	351,261	LN
6064	513962,6109	1065048,4227	351,293	KZO
6065	514117,3837	1064868,8736	353,543	LN
6066	514319,8426	1064634,0048	356,562	ZZO
6067	514321,1200	1064632,5228	356,581	LN
6068	514322,3975	1064631,0408	356,602	KZO
6069	514449,5996	1064483,4759	358,689	ZZO
6070	514451,4082	1064481,3778	358,719	LN
6071	514453,2168	1064479,2797	358,753	KZO
5040	514490,6707	1064435,8301	359,447	ZP10
5041	514552,8143	1064366,6619	360,572	ZO10
6072	514579,2888	1064340,8213	361,019	ZZO
6073	514583,8802	1064336,5898	361,095	LN
6074	514588,5064	1064332,3963	361,151	KZO
5042	514625,9885575	1064278,8503301	0,000	VB10
5043	514730,2014	1064231,8929	362,714	KO10
5044	514813,4965	1064190,5648	363,549	KP10
6075	515034,0944	1064086,6993	365,738	ZZO
6076	515036,8371	1064085,4080	365,765	LN
6077	515039,5798	1064084,1166	365,797	KZO
5045	515249,2881	1063985,3783	368,229	ZP11
5046	515320,6612	1063947,2539	369,079	ZO11
6078	515348,4815	1063925,7691	369,448	LN
5047	515372,5445082	1063927,3447518	0,000	VB11
5048	515394,5742	1063872,7185	370,159	KO11
5049	515429,8205	1063806,5910	370,916	KP11
6079	515446,9915	1063770,3896	371,320	ZZO
6080	515448,5742	1063767,0530	371,357	LN
6081	515450,1568	1063763,7164	371,387	KZO
5050	515454,6880	1063754,1633	371,475	ZP12
6082	515472,0016	1063719,2239	371,796	ZZO

5051	515482,5645	1063701,0771	371,925	ZO12
6083	515482,5645	1063701,0771	371,969	LN
6084	515494,5494	1063683,8388	371,966	KZO
5052	515491,9471562	1063675,6105690	0,000	VB12
5053	515514,5883	1063660,6453	371,961	KO12
5054	515559,8799	1063621,3526	371,951	KP12
6085	515600,3339	1063589,0419	371,943	ZZO
6086	515605,0890	1063585,2440	371,942	LN
6087	515609,8441	1063581,4461	371,923	KZO
5055	515840,4551	1063397,2567	370,977	ZP13
5056	515881,2469	1063366,6779	370,814	ZO13
5057	515896,4420899	1063352,5397865	0,000	VB13
6088	515903,9951	1063353,2217	370,729	ZZO
6089	515905,2114	1063352,5824	370,725	LN
6090	515906,4308	1063351,9491	370,720	KZO
5058	515916,4524	1063347,0292	370,676	KO13
5059	515963,8934	1063328,3640	370,478	KP13
6091	515974,1915	1063324,6730	370,435	ZZO
6092	515977,6590	1063323,4302	370,421	LN
6093	515981,1265	1063322,1874	370,400	KZO
6094	515995,0194	1063317,2079	370,315	ZZO
6095	516001,3117	1063314,9527	370,277	LN
6096	516007,6039	1063312,6974	370,261	KZO
6097	516028,1809	1063305,3223	370,209	ZZO
6098	516034,4109	1063303,0893	370,193	LN
6099	516040,6409	1063300,8564	370,155	KZO
5060	516043,8218	1063299,7163	370,136	ZP14
5061	516099,8519	1063278,2841	369,794	ZO14
5062	516229,5045390	1063233,1643110	0,000	VB14
6100	516289,0567	1063129,8224	368,409	ZZO
6101	516292,2635	1063125,5350	368,378	LN
6102	516295,4216	1063121,2115	368,362	KZO
5063	516299,6980	1063115,1877	368,340	KO14
5064	516331,9267	1063064,5910	368,158	KP14
6103	516335,3360	1063058,9798	368,138	ZZO
6104	516339,5319	1063052,0739	368,114	LN
6105	516343,7277	1063045,1681	368,122	KZO
6106	516435,0544	1062894,8565	368,302	ZZO
6107	516440,3977	1062886,0621	368,312	LN
6108	516445,7410	1062877,2677	368,375	KZO
6109	516492,0103	1062801,1146	368,925	ZZO
6110	516493,7172	1062798,3054	368,945	LN
6111	516495,4240	1062795,4961	368,971	KZO
6112	516603,3033	1062617,9411	370,593	ZZO
6113	516603,8449	1062617,0497	370,601	LN

6114	516604,3865	1062616,1582	370,610	KZO
6115	516769,9766	1062343,6189	373,266	LN
6116	516943,1733	1062058,5601	375,992	LN
6117	517019,1509	1061933,5111	377,246	LN
6118	517210,2068	1061619,0584	380,304	ZZO
6119	517210,8823	1061617,9466	380,315	LN
6120	517211,5578	1061616,8348	380,327	KZO
6121	517324,1853	1061431,4649	382,271	ZZO
6122	517324,9065	1061430,2779	382,283	LN
6123	517325,6277	1061429,0908	382,296	KZO
5065	517348,0620	1061392,1670	382,714	ZP15
5066	517373,8840	1061348,1925	383,206	ZO15
5067	517442,9112268	1061236,0577221	0,000	VB15
6124	517437,1995	1061160,0830	385,133	ZZO
6125	517437,5365	1061157,7972	385,155	LN
6126	517437,8642	1061155,5101	385,175	KZO
5068	517442,7299	1061104,3803	385,611	KO15
5069	517443,7221	1061053,3946	386,045	KP15
6127	517443,8016	1061035,4797	386,197	ZZO
6128	517443,8166	1061032,1027	386,226	LN
6129	517443,8316	1061028,7257	386,260	KZO
5070	517444,3170	1060919,3798	387,375	ZO16
5071	517444,4540503	1060888,4982999	0,000	VB16
5072	517443,6376	1060857,6273	388,004	KO16
6130	517440,8406	1060751,8662	389,082	ZZO
6131	517440,1090	1060724,2016	389,364	LN
6132	517439,3774	1060696,5370	389,340	KZO
5073	517438,6427	1060668,7572	389,315	ZV1
5074	517438,0928514	1060647,9672187	389,297	BO1
6133	517437,9649	1060643,1283	389,293	ZZO
6134	517437,7054	1060633,3154	389,284	LN
5076	517439,2714	1060627,2034	389,247	KV1
5075	517437,5430	1060627,1772	389,247	KV1
5077	517437,4885	1060625,1139	389,236	ZP18
6135	517437,4460	1060623,5025	389,227	KZO
5078	517437,1576	1060602,1177	389,103	ZO18
5079	517436,0777429	1060571,7714843	0,000	VB18
5080	517443,4256	1060542,3085	388,755	KO18
5081	517448,5170	1060519,8805	388,622	KP18
6136	517462,2651	1060462,5295	388,280	ZZO
6137	517464,6939	1060452,3973	388,220	LN
6138	517467,1228	1060442,2652	388,214	KZO
6139	517526,3502	1060195,1942	388,067	LN
5082	517566,6981	1060026,8806	387,986	ZV3
5083	517569,1512097	1060016,6473562	387,981	BO3

5085	517571,2165	1060000,1607	387,973	KV3
5084	517573,0245	1060000,4896	387,973	KV3
5086	517573,0736	1060000,2850	387,973	ZO20
5087	517576,2929241	1059986,8552551	0,000	VB20
6140	517580,9027	1059974,0543	387,961	ZZO
5088	517580,9719	1059973,8618	387,960	KO20
6141	517582,0224	1059970,9448	387,959	LN
6142	517583,1421	1059967,8353	387,963	KZO
5092	517585,3780	1059961,6263	387,971	KV5
5091	517587,1388	1059962,1524	387,971	KV5
5090	517591,0074180	1059945,9935339	0,000	BO5
5089	517594,8761	1059929,8347	388,010	ZV5
6143	517603,3595	1059894,4006	388,053	ZZO
6144	517603,6997	1059892,9796	388,055	LN
6145	517604,0399	1059891,5585	388,058	KZO
5093	517604,9435	1059887,7845	388,065	ZP22
5094	517615,3222	1059840,9257	388,157	ZO22
6146	517617,4964	1059828,2806	388,182	ZZO
6147	517617,8353	1059826,1017	388,186	LN
6148	517618,1639	1059823,9213	388,188	KZO
5095	517648,2804821	1059706,7718082	0,000	VB22
6149	517607,6237	1059634,7825	388,343	ZZO
6150	517603,2444	1059619,3024	388,356	LN
6151	517598,3378	1059603,9812	388,499	KZO
5096	517590,0647	1059581,4943	388,711	KO22
5097	517570,8425	1059537,5174	389,136	KP22
6152	517567,4784	1059530,1646	389,208	ZZO
6153	517566,2824	1059527,5505	389,233	LN
6154	517565,0864	1059524,9364	389,263	KZO
6155	517486,8708	1059353,9823	391,198	LN
5098	517335,0214	1059022,0885	395,079	ZP23
5099	517315,2384	1058976,1794	395,610	ZO23
6156	517312,6451	1058969,1278	395,690	ZZO
6157	517312,2784	1058968,0942	395,702	LN
6158	517311,9147	1058967,0596	395,713	KZO
5100	517283,1815206	1058908,7832555	0,000	VB23
6159	517292,6419	1058879,5540	396,619	ZZO
6160	517292,0166	1058872,4245	396,691	LN
6161	517291,5274	1058865,2844	396,738	KZO
5101	517290,9782	1058834,5600	396,938	KO23
5102	517294,3527	1058784,6839	397,263	KP23
6162	517295,1433	1058775,9016	397,320	ZZO
6163	517295,2505	1058774,7101	397,328	LN
6164	517295,3578	1058773,5186	397,335	KZO
6165	517318,5976	1058515,3505	398,866	ZZO

6166	517319,0914	1058509,8650	398,899	LN
5103	517319,5140	1058505,1699	398,914	ZO24
6167	517319,5852	1058504,3795	398,916	KZO
5104	517320,7702408	1058491,2145590	0,000	VB24
5105	517322,0362	1058477,2601	399,002	KO24
6168	517327,2704	1058419,5673	399,185	ZZO
6169	517327,9302	1058412,2945	399,208	LN
6170	517328,5900	1058405,0218	399,204	KZO
6171	517336,6131	1058316,5879	399,160	ZZO
6172	517337,0147	1058312,1618	399,158	LN
6173	517337,4162	1058307,7357	399,146	KZO
6174	517349,3079	1058176,6613	398,788	LN
6175	517373,1014	1057914,3994	397,972	ZZO
6176	517373,3651	1057911,4933	397,963	LN
6177	517373,6287	1057908,5873	397,958	KZO
6178	517382,4267	1057811,6127	397,799	ZZO
6179	517382,6786	1057808,8360	397,794	LN
6180	517382,9305	1057806,0593	397,786	KZO
6181	517386,4074	1057767,7359	397,669	ZZO
6182	517386,7889	1057763,5310	397,656	LN
6183	517387,1703	1057759,3262	0,000	KZO
6184	517387,5907	1057754,6928	0,000	ZZO
5106	517388,1666	1057748,3448	397,647	ZO25
6185	517388,4533	1057745,1784	397,639	LN
6186	517389,3080	1057735,6631	0,000	KZO
5107	517391,3017920	1057713,7877298	0,000	VB25
5108	517394,1674	1057679,2072	0,000	KO25
6187	517406,5706	1057529,5339	0,000	ZZO
6188	517406,8260	1057526,4511	398,485	LN
6189	517407,0815	1057523,3683	0,000	KZO
6190	517410,7519	1057479,0763	0,000	ZZO
6191	517413,6259	1057444,3944	398,675	LN
6192	517416,4999	1057409,7125	0,000	KZO
5109	517417,8493	1057393,4295	0,000	ZO26
5110	517419,2086414	1057377,0253950	0,000	VB26
5111	517420,5950	1057360,6236	0,000	KO26
6193	517422,8052	1057334,4756	0,000	ZZO
6194	517423,1330	1057330,5968	397,945	LN
6195	517423,4609	1057326,7181	0,000	KZO
6196	517430,0361	1057248,9288	0,000	ZZO
6197	517430,7789	1057240,1404	397,188	LN
6198	517431,5218	1057231,3520	0,000	KZO
6199	517436,2991	1057174,8325	0,000	ZZO
6200	517436,9230	1057167,4516	396,258	LN
6201	517437,5469	1057160,0707	0,000	KZO



5112	517439,2613	1057139,7879	0,000	ZO27
5113	517441,5293552	1057112,9550802	0,000	VB27
5114	517443,4688	1057086,0965	0,000	KO27
5115	517448,6414	1057014,4642	0,000	ZP28
5116	517453,4970	1056961,6953	0,000	ZO28
6202	517455,9030	1056945,6824	0,000	ZZO
5117	517453,8830604	1056941,8753853	0,000	VB28
6203	517457,5069	1056936,7312	394,162	LN
6204	517459,2917	1056927,8143	394,038	KZO
5118	517464,7163	1056905,0325	393,720	KO28
5119	517470,1412	1056885,7827	393,448	KP28
6205	517473,4816	1056874,2577	393,285	ZZO
5120	517475,1031	1056868,6635	393,210	ZV1
6206	517475,6548	1056866,7600	393,179	LN
6207	517477,8280	1056859,2622	393,103	KZO
5121	517479,7286418	1056852,7047392	393,037	BO1
6208	517483,7476	1056838,8388	392,897	ZZO
5123	517486,0882	1056837,3544	392,877	KV1
5122	517484,3542	1056836,7460	392,877	KV1
6209	517484,9641	1056834,6419	392,855	LN
6210	517486,1805	1056830,4450	392,822	KZO
6211	517510,9914	1056744,8443	392,153	ZZO
6212	517512,3049	1056740,3123	392,118	LN
6213	517513,6185	1056735,7803	392,094	KZO
6214	517525,8165	1056693,6956	391,868	ZZO
6215	517528,3753	1056684,8673	391,821	LN
6216	517530,9342	1056676,0390	391,816	KZO
5124	517543,9733	1056631,0523	391,790	ZO30
5125	517554,3805164	1056595,1459813	0,000	VB30
5126	517564,5217	1056559,1636	391,749	KO30
5129	517581,7403	1056498,0693	391,714	KV4
5130	517580,0018	1056497,4737	391,714	KV4
5128	517586,2475357	1056482,0767754	391,705	BO4
6217	517589,0693	1056472,0647	391,699	ZZO
6218	517589,8067	1056469,4485	391,698	LN
6219	517590,5440	1056466,8322	391,700	KZO
5127	517590,7548	1056466,0843	391,701	ZV4
5133	517590,7557	1056466,0810	391,701	KV5
5134	517592,5494	1056466,4809	391,701	KV5
5132	517595,2630144	1056450,0884364	391,714	BO5
5131	517599,7703	1056434,0959	391,728	ZV5
5135	517614,1378	1056383,1176	391,771	ZP33
6220	517616,5750	1056374,4956	391,778	ZZO
5136	517630,9435	1056329,7202	391,678	ZO33
6221	517630,9435	1056329,7201	391,816	LN

5137	517636,5620335	1056303,5530086	0,000	VB33
6222	517651,0218	1056287,2304	391,301	KZO
5138	517653,5503	1056282,8723	391,246	KO33
5139	517684,8938	1056236,4903	390,633	KP33
6223	517686,7214	1056233,9544	390,598	ZZO
6224	517687,3788	1056233,0423	390,586	LN
6225	517688,0361	1056232,1301	390,573	KZO
6226	517784,5225	1056098,2505	388,673	ZZO
6227	517786,3124	1056095,7670	388,638	LN
6228	517788,1022	1056093,2835	388,607	KZO
6229	517889,4048	1055952,7212	386,878	LN
6230	517951,6242	1055866,3886	385,850	LN
6231	518086,3509	1055679,4486	383,534	ZZO
6232	518087,0217	1055678,5178	383,522	LN
6233	518087,6925	1055677,5870	383,511	KZO
5140	518133,4649	1055614,0755	382,769	ZP34
5141	518166,7019	1055565,3474	382,210	ZO34
5142	518212,3767446	1055504,5814554	0,000	VB34
6234	518201,5846	1055490,9716	381,430	ZZO
6235	518202,3147	1055488,8206	381,408	LN
6236	518203,0320	1055486,6654	381,384	KZO
5143	518217,1955	1055428,7167	380,750	KO34
5144	518223,6346	1055370,0850	380,124	KP34
6237	518224,1954	1055363,3848	380,052	ZZO
6238	518224,4576	1055360,2528	380,019	LN
6239	518224,7197	1055357,1207	379,991	KZO
5145	518231,3334	1055278,1072	379,274	ZP35
5146	518238,2350	1055219,5394	378,740	ZO35
6240	518239,8255	1055211,6414	378,667	ZZO
6241	518240,4975	1055208,6065	378,639	LN
6242	518241,2019	1055205,5790	378,606	KZO
5147	518242,0740616	1055149,7896866	0,000	VB35
6243	518284,2837	1055108,4598	377,474	ZZO
6244	518285,4510	1055106,7703	377,452	LN
6245	518286,6303	1055105,0890	377,428	KZO
5148	518290,6293	1055099,5687	377,349	KO35
5149	518328,9008	1055054,7009	376,663	KP35
6246	518374,2250	1055005,0639	375,882	ZZO
6247	518380,0082	1054998,7304	375,782	LN
6248	518385,7915	1054992,3968	375,719	KZO
5150	518403,5874	1054972,9075	375,525	ZP36
5151	518441,8262	1054928,0134	375,093	ZO36
6249	518444,4419	1054924,4162	375,060	ZZO
6250	518448,1119	1054919,1612	375,013	LN
6251	518451,6629	1054913,8251	374,945	KZO

5152	518487,2852816	1054881,2453408	0,000	VB36
5153	518491,0700	1054819,4334	373,861	KO36
5154	518500,0727	1054755,0978	373,176	KP36
6252	518508,8042	1054668,9625	372,264	ZZO
6253	518508,9727	1054667,3000	372,246	LN
6254	518509,1412	1054665,6375	372,230	KZO
6255	518535,1084	1054409,4723	369,731	ZZO
6256	518535,5642	1054404,9754	369,687	LN
6257	518536,0201	1054400,4784	369,653	KZO
5155	518536,8803	1054391,9924	369,590	ZP37
5156	518545,1884	1054331,5922	369,136	ZO37
6258	518546,5623	1054325,4232	369,089	ZZO
6259	518547,3999	1054321,9474	369,062	LN
6260	518548,2811	1054318,4825	369,029	KZO
5157	518551,8518354	1054244,2989794	0,000	VB37
6261	518580,0915	1054243,1051	368,271	ZZO
6262	518581,3873	1054240,9807	368,248	LN
6263	518582,7017	1054238,8677	368,222	KZO
5158	518620,9373	1054190,5245	367,575	KO37
5159	518666,6968	1054150,2345	366,936	KP37
6264	518672,1140	1054145,7975	366,862	ZZO
6265	518673,3256	1054144,8051	366,846	LN
6266	518674,5373	1054143,8127	366,828	KZO
6267	518766,7214	1054068,3087	365,487	ZZO
6268	518770,3352	1054065,3488	365,434	LN
6269	518773,9490	1054062,3889	365,392	KZO
5160	518781,3705	1054056,3102	365,307	ZP38
5161	518824,2232	1054018,7632	364,798	ZO38
6270	518831,0420	1054011,6973	364,710	ZZO
6271	518834,0234	1054008,4498	364,671	LN
6272	518836,9543	1054005,1567	364,622	KZO
5162	518975,7420160	1053897,1089475	0,000	VB38
6273	518907,2055	1053798,7639	362,132	ZZO
6274	518906,6946	1053791,9903	362,057	LN
6275	518906,0227	1053785,2308	362,004	KZO
5163	518893,4800	1053727,6118	361,548	KO38
5165	518867,0287	1053664,6102	361,019	ZP39
5164	518867,0287	1053664,6102	361,019	KP38
5166	518840,3844	1053600,9584	360,485	ZO39
6276	518838,6703	1053595,5012	360,441	ZZO
6277	518837,2615	1053590,6973	360,402	LN
6278	518835,9386	1053585,8691	360,351	KZO
5167	518823,2299293	1053570,9404491	0,000	VB39
5168	518827,0704	1053530,2801	359,774	KO39
5169	518827,7045	1053472,3110	359,180	KP39

6279	518828,3282	1053458,5637	359,039	ZZO
6280	518828,4171	1053456,6039	359,019	LN
6281	518828,5060	1053454,6441	359,001	KZO
6282	518830,7921	1053404,2545	358,534	ZZO
6283	518831,0223	1053399,1790	358,487	LN
6284	518831,2526	1053394,1035	358,453	KZO
5170	518831,5339	1053387,9023	358,411	ZP40
5171	518832,1487	1053327,9350	358,008	ZO40
6285	518831,6153	1053320,6195	357,959	ZZO
6286	518830,4215	1053309,3507	357,883	LN
6287	518828,7806	1053298,1382	357,893	KZO
5172	518835,9301589	1053291,0001385	0,000	VB40
5173	518819,0358	1053257,9386	357,927	KO40
5174	518796,7562	1053202,2603	357,978	KP40
6288	518779,2558	1053162,6171	358,014	ZZO
6289	518776,4717	1053156,3103	358,020	LN
6290	518773,6876	1053150,0036	358,050	KZO
5175	518772,5204	1053147,3595	358,062	ZP41
5176	518749,5963	1053089,7893	358,328	ZO41
5177	518722,7274305	1053034,5645683	0,000	VB41
6291	518737,2986	1053025,1922	358,610	ZZO
6292	518737,1198	1053022,4875	358,622	LN
6293	518736,9670	1053019,7812	358,630	KZO
5178	518738,2174	1052975,1359	358,761	KO41
5179	518749,3785	1052914,1828	358,943	KP41
6294	518765,8667	1052839,7063	359,167	ZZO
6295	518766,7118	1052835,8892	359,178	LN
6296	518767,5568	1052832,0720	359,197	KZO
5180	518777,2009	1052788,5102	359,415	ZP42
5181	518787,6120	1052733,5081	359,689	ZO42
6297	518789,1044	1052718,7901	359,761	ZZO
6298	518789,3622	1052715,1443	359,779	LN
5182	518793,9689068	1052712,7698538	0,000	VB42
6299	518789,5761	1052711,4958	359,790	KZO
5183	518789,9654	1052691,4518	359,852	KO42
5184	518785,7558	1052635,6316	360,023	KP42
6300	518777,7928	1052560,8435	360,253	LN
6301	518758,4739	1052379,3996	360,761	ZZO
6302	518757,1430	1052366,8998	360,796	LN
6303	518755,8121	1052354,3999	360,778	KZO
6304	518752,0515	1052319,0800	360,728	ZZO
5185	518751,0175	1052309,3685	360,707	ZP43
6305	518749,9272	1052299,0092	360,700	LN
6306	518748,0949	1052278,9102	360,536	KZO
5186	518747,1078	1052259,5371	360,378	ZO43

6307	518747,0384	1052254,9246	360,341	ZZO
6308	518747,0380	1052250,5581	360,305	LN
6309	518747,1012	1052246,1921	360,257	KZO
5187	518741,2322502	1052217,4652436	0,000	VB43
5188	518756,5260	1052177,8337	359,493	KO43
5189	518771,6710	1052130,1987	358,941	KP43
6310	518774,1965	1052122,9582	358,856	LN
6311	518838,5239	1051938,5342	356,702	ZZO
6312	518839,1069	1051936,8628	356,682	LN
6313	518839,6899	1051935,1913	356,664	KZO
6314	518876,1141	1051830,7647	355,542	LN
6315	519014,8068	1051433,1387	351,100	ZZO
6316	519016,0326	1051429,6243	351,061	LN
6317	519017,2584	1051426,1100	351,029	KZO
5190	519027,0640	1051397,9979	350,770	ZP44
5191	519044,5621	1051352,2472	350,344	ZO44
6318	519047,3821	1051346,2075	350,287	ZZO
6319	519049,6489	1051341,6122	350,242	LN
6320	519052,0009	1051337,0598	350,184	KZO
5192	519067,1092969	1051283,1896550	0,000	VB44
6321	519100,6199	1051271,1632	349,260	ZZO
6322	519103,6452	1051268,1825	349,212	LN
6323	519106,7161	1051265,2489	349,173	KZO
5193	519129,5236	1051246,0174	348,901	KO44
5194	519170,3103	1051218,8927	348,454	KP44
6324	519194,1984	1051204,0098	348,197	ZZO
6325	519210,2839	1051193,9881	348,024	LN
5195	519224,2931	1051185,2600	348,031	ZV1
6326	519226,3694	1051183,9664	348,031	KZO
5196	519238,3955733	1051176,4738135	348,036	BO1
5198	519251,4415	1051166,1840	348,041	KV1
5197	519252,4980	1051167,6876	348,041	KV1
6327	519268,0630	1051157,9902	348,048	ZZO
6328	519273,1525	1051154,8193	348,050	LN
6329	519278,2420	1051151,6485	348,034	KZO
5199	519286,3645	1051146,5879	348,009	ZV2
5200	519300,4669255	1051137,8017335	347,965	BO2
5202	519315,4534	1051130,6266	347,921	KV2
5201	519314,5694	1051129,0155	347,921	KV2
6330	519331,0176	1051118,7678	347,870	ZZO
6331	519335,0324	1051116,2666	347,857	LN
6332	519339,0471	1051113,7653	347,856	KZO
6333	519517,4737	1051002,6008	347,796	ZZO
6334	519518,5381	1051001,9377	347,796	LN
6335	519519,6025	1051001,2745	347,796	KZO

5205	519662,5466	1050912,2166	347,855	KV4
5206	519661,6626	1050910,6055	347,855	KV4
5204	519676,6490814	1050903,4303865	347,860	BO4
5203	519690,7515	1050894,6442	347,866	ZV4
5207	519698,2059	1050889,9999	347,869	ZO48
5208	519700,9623373	1050888,2825905	0,000	VB48
5209	519703,6822	1050886,5079	347,871	KO48
5212	519703,6822	1050886,5079	347,871	KV5
5213	519704,6862	1050887,9151	347,871	KV5
6336	519719,2462	1050875,6592	347,878	ZZO
5211	519721,0996410	1050875,1430018	0,000	BO5
6337	519724,3345	1050871,7939	347,880	LN
6338	519729,3420	1050867,8246	347,903	KZO
5214	519736,8429	1050861,5534	347,937	ZO50
5210	519736,8429	1050861,5534	347,937	ZV5
5216	519745,8977	1050853,6204	347,980	KO/ZPm
5215	519749,5377105	1050850,5953438	0,000	VB50
5217	519776,7416	1050823,6880	348,132	KPm/ZO
6339	519781,4108	1050818,4361	348,157	ZZO
6340	519785,6180	1050813,4625	348,180	LN
6341	519789,7061	1050808,3907	348,224	KZO
6342	519823,1977	1050753,7360	348,661	ZZO
6343	519824,6603	1050750,5174	348,685	LN
6344	519826,0815	1050747,2802	348,715	KZO
5218	519854,6644846	1050752,0491902	0,000	VB51
6345	519846,6496	1050670,8183	349,396	ZZO
6346	519846,8663	1050668,9403	349,412	LN
6347	519847,0701	1050667,0608	349,426	KZO
5219	519847,7211	1050659,9756	349,481	KO51
5220	519847,4670	1050592,0222	349,999	KP51
6348	519847,2547	1050587,3017	350,035	ZZO
6349	519846,6695	1050574,2899	350,134	LN
6350	519846,0843	1050561,2781	350,148	KZO
5221	519845,9273	1050557,7882	350,152	ZP52
5222	519842,4984	1050504,9075	350,211	ZO52
6351	519840,1813	1050486,4927	350,232	ZZO
5223	519842,3760677	1050478,8302550	0,000	VB52
6352	519837,9299	1050472,6874	350,247	LN
6353	519835,2466	1050458,9596	350,360	KZO
5224	519834,1831	1050454,0732	350,401	KO52
5225	519820,5839	1050402,8562	350,830	KP52
6354	519813,8789	1050379,4807	351,027	ZZO
6355	519812,7967	1050375,7080	351,059	LN
6356	519811,7146	1050371,9352	351,098	KZO
5226	519809,2060	1050363,1895	351,190	ZP53

5227	519788,8837	1050280,7046	352,045	ZO53
5228	519740,5091895	1050123,6922036	0,000	VB53
6357	519848,9830	1050007,3557	354,932	ZZO
6358	519850,2261	1050005,5456	354,954	LN
6359	519851,4798	1050003,7427	354,974	KZO
5229	519855,3975	1049998,2498	355,034	KO53
5230	519902,7272	1049941,4066	355,698	KP53
6360	519916,9904	1049925,3789	355,890	LN
6361	520055,7434	1049769,4612	357,847	ZZO
6362	520056,4295	1049768,6902	357,857	LN
6363	520057,1157	1049767,9191	357,866	KZO
6364	520227,4638	1049576,4977	360,137	ZZO
6365	520229,4951	1049574,2151	360,164	LN
6366	520231,5264	1049571,9325	360,196	KZO
6367	520456,3432	1049319,3042	363,709	ZZO
6368	520458,5666	1049316,8058	363,744	LN
6369	520460,7899	1049314,3074	363,773	KZO
6370	520505,1853	1049264,4199	364,355	ZZO
6371	520515,3809	1049252,9631	364,489	LN
6372	520525,5764	1049241,5063	364,505	KZO
6373	520551,6740	1049212,1803	364,546	ZZO
6374	520560,3732	1049202,4049	364,560	LN
6375	520569,0725	1049192,6295	364,488	KZO
6376	520595,1088	1049163,3722	364,273	ZZO
6377	520600,1849	1049157,6682	364,231	LN
6378	520605,2609	1049151,9642	364,160	KZO
5231	520644,2518	1049108,1499	363,614	ZP54
5232	520682,8987	1049062,2773	363,055	ZO54
6379	520686,2056	1049057,8209	363,003	ZZO
6380	520687,1781	1049056,4833	362,988	LN
6381	520688,1445	1049055,1413	362,971	KZO
5233	520739,4143757	1049001,2149888	0,000	VB54
5234	520748,8131	1048918,5452	361,445	KO54
5235	520758,3598	1048859,3274	360,837	KP54
6382	520760,9843	1048839,6717	360,636	LN
5236	520777,2832	1048717,6051	359,435	ZP55
5237	520783,1285	1048677,0257	359,035	ZO55
6383	520787,9480	1048651,0773	358,778	ZZO
6384	520788,9152	1048646,4746	358,732	LN
6385	520789,9151	1048641,8790	358,697	KZO
6386	520815,7354	1048554,3263	358,021	ZZO
6387	520816,4998	1048552,2797	358,005	LN
6388	520817,2709	1048550,2357	357,991	KZO
5238	520821,4213537	1048387,0424864	0,000	VB55
6389	520986,7722	1048298,9230	356,062	LN

6390	521037,5479	1048256,4664	355,613	ZZO
6391	521042,9393	1048252,4413	355,567	LN
6392	521048,3713	1048248,4711	355,499	KZO
5239	521070,2607	1048233,3038	355,228	KO55
5240	521104,8832	1048211,3461	354,812	KP55
6393	521199,8616	1048152,4762	353,678	LN
6394	521332,3415	1048070,3620	352,173	ZZO
6395	521333,5856	1048069,5909	352,159	LN
6396	521334,8297	1048068,8197	352,144	KZO
6397	521493,1752	1047970,6734	350,209	ZZO
6398	521494,2206	1047970,0255	350,196	LN
6399	521495,2659	1047969,3775	350,184	KZO
6400	521552,4649	1047933,9243	349,526	ZZO
6401	521554,3245	1047932,7717	349,505	LN
6402	521556,1841	1047931,6190	349,481	KZO
6403	521666,7976	1047863,0581	348,067	LN
5241	521666,8013	1047863,0558	348,067	KU