

ASHE Co.
Bridge Map Index Key

Bridge #	Key	Structure Type	Route	Bridge #	Key	Structure Type	Route
1	E6	BRIDGE	SR1100	54	A7	PIPE	NC194
2	D7	BRIDGE	SR1106	55	A12	BRIDGE	NC88,194
3	E7	CULVERT	US221	56	C2	BRIDGE	SR1340
4	E7	BRIDGE	US221	57	A12	BRIDGE	NC88,194
5	C5	CULVERT	NC88	58	B6	PIPE	SR1317
6	E7	BRIDGE	SR1166	59	C6	BRIDGE	SR1100
7	D8	BRIDGE	NC163	60	A3	BRIDGE	SR1324
8	C4	BRIDGE	NC194	61	A3	BRIDGE	SR1352
9	C16	BRIDGE	NC16	62	B6	BRIDGE	SR1334
10	E7	BRIDGE	US221	63	C9	BRIDGE	NC88
12	D7	BRIDGE	SR1181	64	B13	CULVERT	NC88
13	E14	BRIDGE	SR1147	65	A6	BRIDGE	SR1361
14	E14	BRIDGE	SR1147	66	A6	BRIDGE	SR1362
15	E14	BRIDGE	SR1147	67	A6	BRIDGE	SR1362
16	D13	BRIDGE	SR1195	69	A7	CULVERT	SR1376
17	D6	PIPE	SR1109	70	B7	BRIDGE	SR1366
18	C5	CULVERT	NC88	71	A6	BRIDGE	SR1362
22	C5	BRIDGE	NC88	79	C5	BRIDGE	SR1118
23	A3	BRIDGE	NC194	80	C5	BRIDGE	SR1119
24	A14	BRIDGE	NC88	85	E6	BRIDGE	SR1106
25	A3	PIPE	NC194	92	C9	BRIDGE	SR1603
26	B15	CULVERT	NC16,88	97	D18	BRIDGE	SR1628
27	D18	PIPE	SR1623	98	D18	BRIDGE	SR1628
28	C5	BRIDGE	NC88	114	C9	BRIDGE	SR1613
29	A16	BRIDGE	US221	115	C8	BRIDGE	SR1595
30	B8	BRIDGE	NC16	116	D6	PIPE	SR1110
31	C6	BRIDGE	NC88	117	C5	BRIDGE	SR1118
32	A7	BRIDGE	NC194	118	D5	BRIDGE	SR1118
33	C8	CULVERT	US221	121	A8	BRIDGE	SR1552
34	C6	CULVERT	NC88	122	B8	BRIDGE	SR1549
36	B8	BRIDGE	NC16	123	A8	CULVERT	SR1549
37	C8	BRIDGE	SR1599	125	E7	CULVERT	SR1168
38	C9	BRIDGE	SR1603	129	C8	CULVERT	SR1595
39	B8	BRIDGE	US221	130	C5	CULVERT	SR1308
40	A7	PIPE	NC194	137	C5	BRIDGE	SR1308
42	B8	BRIDGE	NC16	139	B6	BRIDGE	SR1317
43	B8	PIPE	SR1574	140	B9	BRIDGE	SR1600
45	D1	BRIDGE	NC88	141	B17	PIPE	SR1589
46	A7	BRIDGE	NC194	152	A17	BRIDGE	SR1592
47	A7	BRIDGE	SR1523	153	A17	BRIDGE	SR1592
48	B7	BRIDGE	SR1527	156	E7	BRIDGE	SR1169
49	D3	BRIDGE	NC88	157	C9	BRIDGE	SR1599
50	A7	CULVERT	NC194	160	C15	BRIDGE	SR1155
51	B11	BRIDGE	SR1133	165	B7	BRIDGE	SR1362
52	C3	BRIDGE	SR1133	166	A7	BRIDGE	SR1362
53	C2	BRIDGE	SR1342	168	B6	BRIDGE	SR1332

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169	C9	BRIDGE	SR1599	272	F12	BRIDGE	SR1145
171	E7	BRIDGE	SR1100	273	A4	BRIDGE	SR1347
172	B7	BRIDGE	SR1353	280	B5	BRIDGE	SR1389
173	B7	BRIDGE	SR1353	281	A6	BRIDGE	SR1358
174	B7	BRIDGE	SR1353	285	B5	CULVERT	SR1310
175	B6	BRIDGE	SR1324	286	C8	BRIDGE	SR1595
176	B6	PIPE	SR1334	287	D9	BRIDGE	SR1616
177	F15	BRIDGE	SR1181	288	B7	BRIDGE	SR1527
183	C9	BRIDGE	SR1609(CLOSED)	289	B7	BRIDGE	SR1536
186	E7	PIPE	SR1003	290	B7	BRIDGE	SR1544
187	C6	BRIDGE	SR1100	294	C5	PIPE	SR1302
202	C11	BRIDGE	SR1138	295	C18	PIPE	SR1625
204	B8	PIPE	SR1570	296	C3	BRIDGE	SR1351
206	B8	BRIDGE	SR1536	304	A7	BRIDGE	SR1528
210	A8	BRIDGE	SR1547	308	B8	BRIDGE	SR1539
213	A6	BRIDGE	SR1361	309	B7	BRIDGE	SR1523
214	A6	BRIDGE	SR1361	310	C3	BRIDGE	SR1507
215	A6	BRIDGE	SR1361	311	D9	CULVERT	SR1616
219	D18	PIPE	SR1625	320	C2	CULVERT	SR1342
220	D18	BRIDGE	SR1625	321	A7	BRIDGE	SR1526
222	D6	PIPE	SR1100	322	B6	BRIDGE	SR1333
225	B16	BRIDGE	SR1588	326	B6	PIPE	SR1340
226	E6	BRIDGE	SR1105	328	D11	BRIDGE	SR1138
229	E7	BRIDGE	SR1169	329	D11	BRIDGE	SR1138
230	A7	PIPE	SR1529	331	C9	BRIDGE	SR1608
236	A7	BRIDGE	SR1527	332	C6	BRIDGE	SR1191
237	D9	BRIDGE	SR1613	333	A6	BRIDGE	SR1363
240	E15	BRIDGE	SR1147	334	E7	BRIDGE	SR1169
241	B7	BRIDGE	SR1527	335	C6	BRIDGE	SR1123
245	C6	BRIDGE	SR1100	336	F12	BRIDGE	SR1178
246	C6	BRIDGE	SR1100	337	C4	BRIDGE	SR1503
247	C8	BRIDGE	SR1602	338	B5	BRIDGE	SR1320
248	C9	BRIDGE	SR1608	339	B5	CULVERT	SR1320
250	B8	BRIDGE	SR1553	340	B5	BRIDGE	SR1322
253	D6	PIPE	SR1100	341	A7	BRIDGE	SR1379
255	D6	BRIDGE	SR1100	342	C2	BRIDGE	SR1343
256	D6	BRIDGE	SR1100	343	C9	BRIDGE	SR1606
258	B6	BRIDGE	SR1319	345	E14	BRIDGE	SR1147
261	D6	BRIDGE	SR1108	346	B4	BRIDGE	SR1350
262	B6	BRIDGE	SR1317	350	D9	BRIDGE	SR1617
263	B6	PIPE	SR1317	351	C8	BRIDGE	SR1602
264	B6	PIPE	SR1317	352	C3	BRIDGE	SR1506
268	C6	BRIDGE	SR1310	354	B5	BRIDGE	SR1313
269	C8	BRIDGE	SR1599	355	D8	BRIDGE	SR1181
270	C6	BRIDGE	SR1310	358	C7	BRIDGE	SR1509
271	A7	BRIDGE	SR1527	359	C7	BRIDGE	SR1509

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363	C6	BRIDGE	SR1124	483	A7	BRIDGE	SR1525
364	B6	BRIDGE	SR1318	492	C5	BRIDGE	SR1307
365	B16	BRIDGE	SR1586	499	C8	BRIDGE	SR1584
371	D6	BRIDGE	SR 1100	503	C3	BRIDGE	SR1674
372	C6	BRIDGE	SR1100	506	A7	BRIDGE	SR1372
373	C6	BRIDGE	SR1125	507	B4	BRIDGE	SR1644
380	C5	BRIDGE	SR1302	509	D15	BRIDGE	SR1222
383	B8	BRIDGE	SR1542	511	D13	CULVERT	US221
386	B5	BRIDGE	SR1322	513	B14	CULVERT	US221
387	B5	BRIDGE	SR1322	514	E7	BRIDGE	SR1265
388	B5	BRIDGE	SR1322	515	E7	CULVERT	SR1003
396	A6	PIPE	SR1360	516	C9	BRIDGE	SR1686
399	B6	BRIDGE	SR1390	517	A7	PIPE	NC194
417	D7	BRIDGE	SR1176	521	B8	CULVERT	SR1573
421	A5	BRIDGE	SR1326	522	B5	CULVERT	SR1315
422	A5	BRIDGE	SR1326	523	B5	CULVERT	SR1315
425	A8	BRIDGE	SR1548	524	C9	CULVERT	NC88
426	A8	BRIDGE	SR1548	525	C9	CULVERT	NC88
428	A7	BRIDGE	SR1528	526	C18	CULVERT	NC88
429	A12	PIPE	SR1508	527	C18	CULVERT	NC88
439	C5	BRIDGE	SR1120	528	C17	CULVERT	NC88
442	A11	BRIDGE	SR1132	529	C17	CULVERT	NC88
447	D17	PIPE	SR1158	530	C17	CULVERT	NC88
449	D3	BRIDGE	SR1291	531	F12	CULVERT	US221
450	A13	BRIDGE	SR1637	533	B8	PIPE	SR1667
452	B5	BRIDGE	SR1322	534	D8	CULVERT	NC163
454	A8	BRIDGE	SR1573	535	B15	CULVERT	US221,NC88
455	B8	BRIDGE	SR1573	539	E7	BRIDGE	US221
456	B7	CULVERT	SR1573	540	E7	BRIDGE	US221 NB
457	C7	PIPE	SR1573	541	E7	BRIDGE	US221 NB
460	F11	BRIDGE	SR1112	0	0	0	0
463	B8	BRIDGE	SR1563	0	0	0	0
464	B8	BRIDGE	SR1557	0	0	0	0
465	A8	BRIDGE	SR1534	0	0	0	0
466	E16	BRIDGE	SR1159	0	0	0	0
468	A8	BRIDGE	SR1535	0	0	0	0
470	B2	BRIDGE	SR1394	0	0	0	0
473	A16	BRIDGE	SR1584	0	0	0	0
474	A12	BRIDGE	SR1193	0	0	0	0
475	E16	BRIDGE	SR1192	0	0	0	0
476	D6	BRIDGE	SR1117	0	0	0	0
477	E6	BRIDGE	SR1104	0	0	0	0
479	D15	BRIDGE	SR1199	0	0	0	0
480	C6	BRIDGE	SR1126	0	0	0	0
481	E15	BRIDGE	SR1159	0	0	0	0
482	F12	BRIDGE	SR1210	0	0	0	0

ASHE Co.
Non-NBIS Pipe Index Key

Pipe ID	Key	Route	Latitude	Longitude	Pipe ID	Key	Route	Latitude	Longitude
E1	C5	SR-1393	36.424687	-81.667289	E428	C9	NC-88	36.394573	-81.319376
E2	D13	SR-1195	36.372231	-81.495811	E1021	C16	NC-16	36.402367	-81.421845
E3	B17	SR-1591	36.414592	-81.376563	E1041	A6	SR-1360	36.586606	-81.624680
E10	C18	NC-88	36.398366	-81.369912	E12332	B8	NC-16	36.539783	-81.422829
E13	C17	NC-88	36.403111	-81.384136	E2300	C9	NC-88	36.418401	-81.269433
E14	C17	NC-88	36.401872	-81.387012	E2301	C9	NC-88	36.416783	-81.274199
E15	C17	NC-88	36.401713	-81.391274	E2302	C9	NC-88	36.411574	-81.287511
E16	C17	NC-16	36.385934	-81.401533	E2303	C9	NC-88	36.407911	-81.288487
E22	C17	NC-16	36.361054	-81.387942	E2304	C9	NC-88	36.407390	-81.289607
E26	E7	SR-1003	36.286331	-81.471145	E2305	C9	NC-88	36.406815	-81.294308
E28	E7	SR-1003	36.290374	-81.439796	E2306	C9	NC-88	36.399359	-81.309113
E31	C16	NC-16	36.401204	-81.421821	E2308	C9	NC-88	36.393241	-81.325763
E32	B15	NC-16	36.409298	-81.428716	E2309	C8	NC-88	36.392301	-81.332771
E48	C5	SR-1180	36.333757	-81.462209	E2310	C8	NC-88	36.392813	-81.334606
E59	C5	SR-1100	36.334381	-81.597298	E2311	C18	NC-88	36.389378	-81.356727
E67	B5	SR-1310	36.463776	-81.657381	E2312	C18	NC-88	36.389877	-81.358699
E71	C6	SR-1294	36.413718	-81.573307	E2313	C18	NC-88	36.392090	-81.365462
E80	B13	SR-1240	36.415840	-81.499599	E2314	C18	NC-88	36.394949	-81.368789
E82	C1	SR-1345	36.454327	-81.576636	E2315	C17	NC-88	36.402381	-81.377851
E116	A12	SR-1508	36.432953	-81.510518	E2316	B15	NC-16	36.417243	-81.443783
E117	A13	SR-1509	36.426703	-81.501615	E2317	B15	US-221	36.419101	-81.448195
E165	D13	SR-1195	36.377591	-81.491825	E2320	B13	NC-88	36.421513	-81.498790
E176	A7	NC-194	36.576833	-81.458633	E2325	C2	NC-88	36.458655	-81.542788
E179	A7	SR-1528	36.575650	-81.446598	E2326	C2	NC-88	36.459285	-81.546212
E186	B7	SR-1577	36.469104	-81.439881	E2327	D2	NC-88	36.452356	-81.558809
E208	C7	SR-1573	36.446739	-81.455505	E2328	D1	NC-88	36.451289	-81.560253
E229	B8	SR-1560	36.506435	-81.349633	E2329	D1	NC-88	36.451235	-81.563722
E231	B8	SR-1560	36.511352	-81.346496	E2330	D1	NC-88	36.447624	-81.569600
E241	B8	SR-1554	36.542684	-81.381962	E2331	D1	NC-88	36.446944	-81.571110
E245	B7	SR-1523	36.530727	-81.468250	E2332	D1	NC-88	36.448918	-81.579001
E264	B8	SR-1254	36.418658	-81.473402	E2333	C6	NC-88	36.454681	-81.600510
E265	B8	SR-1219	36.374792	-81.455692	E2335	C5	NC-88	36.429254	-81.655278
E269	B7	NC-194	36.500617	-81.505841	E2336	C5	NC-88	36.423056	-81.665614
E273	C14	SR-1143	36.356501	-81.528186	E2337	C5	NC-88	36.389896	-81.705111
E275	E12	SR-1246	36.355135	-81.526296	E2338	C5	NC-88	36.384481	-81.705277
E285	B4	SR-1153	36.411395	-81.488913	E2340	A8	NC-16	36.570537	-81.404671
E290	B8	SR-1272	36.347721	-81.531653	E2341	A8	NC-16	36.566430	-81.410092
E292	F11	SR-1114	36.330683	-81.539331	E2342	A8	NC-16	36.564700	-81.413219
E308	C8	SR-1662	36.400193	-81.305224	E2343	A8	NC-16	36.563518	-81.415977
E363	E14	SR-1147	36.352217	-81.456340	E2344	B8	NC-16	36.550120	-81.423283
E365	F14	SR-1177	36.334857	-81.473493	E2345	B8	NC-16	36.542851	-81.423469
E367	F14	SR-1180	36.334279	-81.461445	E2347	B8	NC-16	36.537104	-81.421603
E383	B14	NC-88	36.420603	-81.474591	E2348	B8	NC-16	36.530778	-81.417481
E385	B14	US-221-BUS	36.418183	-81.474698	E2350	B8	NC-16	36.526690	-81.415978
E389	C8	US-221	36.442176	-81.399633	E2351	B8	NC-16	36.513360	-81.407127
E393	D17	SR-1158	36.366377	-81.391090	E2352	B8	NC-16	36.511110	-81.406587
E418	C9	NC-88	36.399823	-81.307375	E2353	B8	NC-16	36.469492	-81.396658
E423	C8	SR-1597	36.411252	-81.339503	E2355	C8	NC-16	36.459696	-81.400836
E427	D18	SR-1623	36.369561	-81.357466	E2356	C8	NC-16	36.450661	-81.407333

ASHE Co.
Non-NBIS Pipe Index Key

Pipe ID	Key	Route	Latitude	Longitude	Pipe ID	Key	Route	Latitude	Longitude
E2357	C8	NC-16	36.450370	-81.411861	E2417	D6	NC-194	36.324256	-81.586356
E2358	C8	NC-16	36.449754	-81.416679	E2418	D6	NC-194	36.336584	-81.574020
E2359	C8	NC-16	36.448490	-81.422427	E2419	D6	NC-194	36.337184	-81.572059
E2360	C8	NC-16	36.446026	-81.426299	E2420	D6	NC-194	36.336896	-81.568852
E2361	C8	NC-16	36.444942	-81.428905	E2421	D6	NC-194	36.337426	-81.551541
E2362	B15	US-221	36.421213	-81.441984	E2422	D6	NC-194	36.337555	-81.547716
E2363	D17	NC-16	36.380013	-81.399796	E2423	E11	NC-194	36.347018	-81.533316
E2364	D17	NC-16	36.379026	-81.399124	E2426	B13	US-221-BUS	36.409941	-81.483790
E2365	D17	NC-16	36.371885	-81.396852	E2427	B14	US-221-BUS	36.419590	-81.473964
E2367	A16	NC-16	36.366708	-81.390743	E2428	B4	NC-194	36.480363	-81.507115
E2368	D1	NC-16	36.364536	-81.389942	E2429	A4	NC-194	36.500471	-81.505758
E2370	E17	NC-16	36.353423	-81.386372	E2430	B7	NC-194	36.514651	-81.506853
E2371	F17	NC-16	36.334237	-81.386285	E2431	A7	NC-194	36.552229	-81.484006
E2372	F17	NC-16	36.332791	-81.386057	E2432	C7	US-221	36.354837	-81.528039
E2373	D8	NC-163	36.310370	-81.379912	E2451	D13	US-221	36.379426	-81.485737
E2376	D8	NC-163	36.322254	-81.411878	E2452	C7	NC-16	36.442517	-81.433434
E2377	E15	NC-163	36.360729	-81.444633	E2501	B8	SR-1571	36.469563	-81.389151
E2378	D15	NC-163	36.371472	-81.453375	E2502	C1	SR-1341	36.467030	-81.564702
E2379	D15	NC-163	36.374458	-81.455758	E2503	C1	SR-1341	36.470959	-81.567803
E2380	D14	NC-163	36.375223	-81.457756	E2504	C9	SR-1603	36.440596	-81.298722
E2382	D14	NC-163	36.376354	-81.476940	E2505	E7	SR-1169	36.268395	-81.454506
E2383	D13	NC-163	36.375880	-81.479881	E2506	D6	SR-1100	36.376642	-81.612614
E2384	B9	US-221	36.476755	-81.316930	E2507	C1	SR-1342	36.465552	-81.562553
E2385	B9	US-221	36.475454	-81.321824	E2509	B5	SR-1325	36.530632	-81.675289
E2386	B9	US-221	36.473927	-81.324303	E2510	B5	SR-1322	36.523415	-81.649264
E2387	B9	US-221	36.473153	-81.326833	E2511	A14	SR-1573	36.429391	-81.466976
E2388	B8	US-221	36.474095	-81.330855	E2513	B17	SR-1589	36.420957	-81.396468
E2390	B8	US-221	36.471119	-81.340784	E2514	B16	SR-1589	36.423182	-81.409521
E2391	C8	US-221	36.462477	-81.354301	E2515	A2	SR-1335	36.509492	-81.546337
E2392	C8	US-221	36.464315	-81.364922	E2516	A14	SR-1573	36.434660	-81.463794
E2393	C8	US-221	36.464405	-81.366814	E2517	C6	SR-1194	36.418104	-81.554521
E2394	C8	US-221	36.464394	-81.367771	E2518	B12	SR-1133	36.416457	-81.529522
E2395	C8	US-221	36.462867	-81.370785	E2519	C13	SR-1189	36.386327	-81.502913
E2396	C8	US-221	36.463021	-81.375606	E2520	D6	SR-1111	36.314637	-81.534231
E2397	C8	US-221	36.461285	-81.383060	E2521	A11	SR-1132	36.422741	-81.533667
E2398	C8	US-221	36.458156	-81.385616	E2522	C13	SR-1227	36.383295	-81.501513
E2399	C8	US-221	36.443316	-81.396483	E2523	D6	SR-1208	36.340128	-81.554894
E2400	C8	US-221	36.443214	-81.420938	E2524	D6	SR-1208	36.340890	-81.557462
E2401	A15	US-221	36.439713	-81.429843	E2525	B6	SR-1328	36.534106	-81.628778
E2402	A15	US-221	36.438966	-81.435104	E2526	B6	SR-1332	36.509357	-81.579483
E2403	B14	US-221	36.418912	-81.471237	E2527	B6	SR-1332	36.518576	-81.568660
E2405	B13	US-221	36.404038	-81.481052	E2529	B6	SR-1319	36.519173	-81.607352
E2407	E11	US-221	36.349393	-81.531472	E2530	A7	SR-1372	36.575319	-81.509031
E2408	E11	US-221	36.347112	-81.532566	E2531	B5	SR-1310	36.468293	-81.666353
E2409	D7	US-221	36.318304	-81.514046	E2532	B5	SR-1310	36.467214	-81.672149
E2410	D7	US-221	36.306702	-81.505733	E2533	B5	SR-1325	36.527182	-81.682719
E2413	E7	US-221	36.260035	-81.498331	E2535	D9	SR-1640	36.386637	-81.293973
E2415	D6	NC-194	36.313540	-81.593328	E2536	B8	SR-1551	36.550113	-81.385394
E2416	D6	NC-194	36.316859	-81.588298	E2537	B8	SR-1567	36.492395	-81.379285

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Pipe ID	Key	Route	Latitude	Longitude	Pipe ID	Key	Route	Latitude	Longitude
E2538	C8	SR-1595	36.431396	-81.354207	E2603	B8	SR-1573	36.492482	-81.393260
E2539	B8	SR-1551	36.549236	-81.381869	E2604	B8	SR-1573	36.492741	-81.391918
E2540	C8	SR-1597	36.410354	-81.337592	E2605	B8	SR-1573	36.494768	-81.390819
E2541	E7	SR-1517	36.498564	-81.484551	E2606	B8	SR-1573	36.512933	-81.392618
E2542	B7	SR-1517	36.497888	-81.480363	E2607	B8	SR-1573	36.521246	-81.394780
E2544	B7	SR-1516	36.494683	-81.470190	E2609	A8	SR-1573	36.560263	-81.398466
E2545	E7	SR-1169	36.289492	-81.459025	E2610	A8	SR-1573	36.568032	-81.396628
E2546	B8	SR-1536	36.535552	-81.421916	E2611	C8	SR-1597	36.411233	-81.339478
E2547	A7	SR-1528	36.556920	-81.443584	E2614	C18	SR-1597	36.397254	-81.363634
E2548	A7	SR-1528	36.555110	-81.442979	E2616	B8	SR-1673	36.486111	-81.346827
E2549	A8	SR-1531	36.562209	-81.418885	E2618	C7	SR-1512	36.445237	-81.462746
E2550	A7	SR-1528	36.559842	-81.443464	E2621	A18	SR-1596	36.435057	-81.362336
E2552	B8	SR-1539	36.519789	-81.424810	E2624	C15	SR-1155	36.388818	-81.437460
E2553	B5	SR-1517	36.498856	-81.486428	E2625	C15	SR-1155	36.385520	-81.440038
E2554	A8	SR-1553	36.549108	-81.373887	E2626	C15	SR-1155	36.388469	-81.438101
E2555	B8	SR-1567	36.485654	-81.349470	E2630	D6	SR-1112	36.318942	-81.565386
E2556	B8	SR-1567	36.487575	-81.351983	E2641	D13	SR-1145	36.361977	-81.495998
E2558	B8	SR-1647	36.484552	-81.394761	E2642	E6	SR-1103	36.286651	-81.540082
E2559	B8	SR-1647	36.486776	-81.395828	E2648	D14	SR-1149	36.381372	-81.477422
E2561	B8	SR-1542	36.500760	-81.398136	E2649	D14	SR-1149	36.380578	-81.476692
E2562	B8	SR-1542	36.501737	-81.396378	E2652	C11	SR-1138	36.385354	-81.539602
E2563	B8	SR-1542	36.502409	-81.395868	E2653	C11	SR-1139	36.386242	-81.545045
E2564	B8	SR-1542	36.502929	-81.395323	E2656	D13	SR-1248	36.378005	-81.492655
E2565	B8	SR-1542	36.503432	-81.390791	E2657	D13	SR-1248	36.376823	-81.502834
E2566	B8	SR-1539	36.515068	-81.395090	E2658	D12	SR-1144	36.369774	-81.518206
E2567	F13	SR-1177	36.330192	-81.488815	E2660	E11	SR-1248	36.350274	-81.531770
E2569	D13	SR-1145	36.361841	-81.495951	E2661	E16	SR-1145	36.330027	-81.521284
E2570	E12	SR-1143	36.356156	-81.525127	E2662	D13	SR-1137	36.377384	-81.502343
E2571	E7	SR-1169	36.260628	-81.481663	E2665	D13	SR-1136	36.379137	-81.501376
E2573	C8	SR-1595	36.393183	-81.327352	E2667	C11	SR-1582	36.424815	-81.425383
E2575	C8	SR-1595	36.424868	-81.344929	E2671	A7	SR-1373	36.564009	-81.487552
E2576	B9	SR-1603	36.472010	-81.326114	E2675	B7	SR-1521	36.523356	-81.468351
E2579	C9	SR-1605	36.461071	-81.296735	E2677	B7	SR-1521	36.530991	-81.481783
E2580	C17	SR-1628	36.384265	-81.392243	E2688	A6	SR-1358	36.564511	-81.539255
E2581	C8	SR-1591	36.444254	-81.378368	E2689	A6	SR-1358	36.566073	-81.539409
E2582	A17	SR-1592	36.434382	-81.401580	E2690	A7	SR-1358	36.568955	-81.538698
E2584	C8	SR-1593	36.445760	-81.368097	E2691	A7	SR-1358	36.569903	-81.538045
E2585	A18	SR-1595	36.440093	-81.361738	E2692	A7	SR-1358	36.572414	-81.536710
E2587	A18	SR-1595	36.438868	-81.362183	E2693	A7	SR-1358	36.572830	-81.536609
E2589	C9	SR-1609	36.432967	-81.299026	E2694	A7	SR-1362	36.558008	-81.536021
E2590	C8	SR-1595	36.426782	-81.344350	E2695	A7	SR-1362	36.558653	-81.537100
E2591	D7	SR-1179	36.316933	-81.469600	E2696	A6	SR-1362	36.574442	-81.564882
E2593	F14	SR-1177	36.335451	-81.461936	E2698	A6	SR-1361	36.574838	-81.611777
E2594	B16	SR-1587	36.416139	-81.417122	E2702	C5	SR-1305	36.416322	-81.694306
E2595	B8	SR-1570	36.474005	-81.356768	E2706	C5	SR-1395	36.418142	-81.695491
E2598	A16	SR-1579	36.439524	-81.405491	E2706	C5	SR-1395	36.418134	-81.695492
E2599	0	SR-1125	36.416190	-81.554238	E2708	A6	SR-1356	36.551181	-81.614241
E2601	B8	SR-1573	36.478054	-81.427739	E2709	B5	SR-1389	36.527957	-81.683375
E2602	B8	SR-1573	36.486182	-81.428311	E2710	B5	SR-1389	36.542504	-81.679951

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Pipe ID	Key	Route	Latitude	Longitude	Pipe ID	Key	Route	Latitude	Longitude
E2712	B5	SR-1320	36.503966	-81.647090	E2792	E8	SR-1268	36.300678	-81.386243
E2713	B5	SR-1320	36.489621	-81.650529	E2793	E8	SR-1166	36.282607	-81.420222
E2714	B5	SR-1320	36.490289	-81.650205	E2794	B6	SR-1319	36.488905	-81.617587
E2715	B5	SR-1320	36.490968	-81.649371	E2795	B6	SR-1319	36.491851	-81.621299
E2717	B5	SR-1320	36.501506	-81.648753	E2796	B6	SR-1317	36.486912	-81.616040
E2719	B5	SR-1321	36.505054	-81.661718	E2797	A5	SR-1326	36.544579	-81.663884
E2720	B5	SR-1321	36.499538	-81.661238	E2798	B5	SR-1315	36.492974	-81.675090
E2721	B5	SR-1321	36.495852	-81.660225	E2799	B6	SR-1315	36.467248	-81.642514
E2722	B5	SR-1321	36.493919	-81.657462	E2800	B6	SR-1330	36.519784	-81.613603
E2723	B5	SR-1321	36.493617	-81.657107	E2801	A6	SR-1324	36.550001	-81.634828
E2724	B6	SR-1333	36.515097	-81.577257	E2802	B2	SR-1341	36.475596	-81.558602
E2734	A3	SR-1352	36.497752	-81.530231	E2803	C1	SR-1340	36.460281	-81.565207
E2736	B2	SR-1352	36.487229	-81.554428	E2804	B6	SR-1340	36.495640	-81.591788
E2746	A6	SR-1356	36.552594	-81.608901	E2805	C1	SR-1341	36.467568	-81.564750
E2750	A15	SR-1675	36.432042	-81.440440	E2806	A3	SR-1352	36.500051	-81.524194
E2752	E12	SR-1248	36.358434	-81.528752	E2807	A6	SR-1360	36.586582	-81.618296
E2753	B8	SR-1647	36.489822	-81.396416	E2808	C6	SR-1125	36.411953	-81.571139
E2754	C15	SR-1155	36.389456	-81.435567	E2809	C6	SR-1194	36.419300	-81.554942
E2755	C15	SR-1155	36.390584	-81.433202	E2811	B11	SR-1131	36.417872	-81.530981
E2757	C15	SR-1155	36.389024	-81.436960	E2813	B7	SR-1642	36.480372	-81.476350
E2758	E16	SR-1159	36.360458	-81.421984	E2814	B7	SR-1642	36.479674	-81.476953
E2759	D16	SR-1159	36.364208	-81.428066	E2815	B8	SR-1541	36.522626	-81.434452
E2760	D15	SR-1159	36.367611	-81.432333	E2816	B7	SR-1519	36.516124	-81.506025
E2761	E16	SR-1159	36.357372	-81.417986	E2817	B7	SR-1519	36.515350	-81.505009
E2763	C16	SR-1156	36.391340	-81.415051	E2818	B7	SR-1541	36.510299	-81.447845
E2764	A16	SR-1584	36.438161	-81.413467	E2819	B8	SR-1544	36.503501	-81.431531
E2765	E6	SR-1103	36.270258	-81.535086	E2820	B7	SR-1513	36.492245	-81.456016
E2766	E7	SR-1100	36.262676	-81.518154	E2822	B7	SR-1513	36.489837	-81.457345
E2767	E7	SR-1100	36.263377	-81.507963	E2823	B7	SR-1516	36.529253	-81.507792
E2768	C5	SR-1386	36.406752	-81.713461	E2825	B12	SR-1138	36.405755	-81.530117
E2770	C5	SR-1120	36.412464	-81.667284	E2826	C6	SR-1125	36.412728	-81.565784
E2771	C5	SR-1120	36.411732	-81.668069	E2827	C6	SR-1125	36.414511	-81.561352
E2772	C5	SR-1305	36.416274	-81.698963	E2828	B4	SR-1511	36.429435	-81.467178
E2773	C5	SR-1395	36.417000	-81.699535	E2829	C7	SR-1649	36.461080	-81.448139
E2774	E6	SR-1103	36.284800	-81.540583	E2830	C7	SR-1649	36.462931	-81.446620
E2776	E14	SR-1147	36.350352	-81.464795	E2831	C7	SR-1577	36.469137	-81.439902
E2777	D7	SR-1181	36.318760	-81.440726	E2833	A14	SR-1511	36.438100	-81.468800
E2778	E7	SR-1003	36.273454	-81.501797	E2834	B8	SR-1543	36.491458	-81.418377
E2779	E7	SR-1003	36.276015	-81.497250	E2835	B8	SR-1667	36.492226	-81.420970
E2780	E7	SR-1003	36.283067	-81.480517	E2837	C14	SR-1151	36.383708	-81.478357
E2782	E8	SR-1003	36.304737	-81.389317	E2838	D1	SR-1126	36.446154	-81.579076
E2783	E8	SR-1003	36.304326	-81.389516	E2839	B7	SR-1514	36.483338	-81.485207
E2784	D8	SR-1164	36.307226	-81.375437	E2840	A7	SR-1362	36.550798	-81.532270
E2785	E8	SR-1164	36.307875	-81.369585	E2841	A7	SR-1362	36.550141	-81.531758
E2786	E8	SR-1165	36.289453	-81.380138	E2842	A6	SR-1362	36.562641	-81.539656
E2787	E8	SR-1165	36.289166	-81.380186	E2843	A6	SR-1362	36.569008	-81.547282
E2789	C6	SR-1121	36.422367	-81.630328	E2845	B3	SR-1347	36.478889	-81.534958
E2790	C6	SR-1121	36.424241	-81.628230	E2846	B3	SR-1347	36.484205	-81.525120
E2791	B5	SR-1310	36.467228	-81.685253	E2847	C3	SR-1347	36.469811	-81.534295

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Pipe ID	Key	Route	Latitude	Longitude	Pipe ID	Key	Route	Latitude	Longitude
E2848	C2	SR-1384	36.471595	-81.536268	E3006	F14	SR-1177	36.334856	-81.473488
E2849	A7	SR-1372	36.569927	-81.508645	E4001	B14	SR-1149	36.406006	-81.481237
E2850	A7	SR-1373	36.559739	-81.487341	E4002	B7	SR-1353	36.529718	-81.534307
E2851	A7	SR-1376	36.577302	-81.462558	E4003	A7	SR-1362	36.562363	-81.539799
E2852	A7	SR-1370	36.568395	-81.508706	E4004	A6	SR-1362	36.549368	-81.540319
E2853	A7	SR-1375	36.555661	-81.466233	E4005	A3	NC-194	36.498989	-81.511124
E2856	B7	SR-1514	36.488040	-81.492121	E4006	B5	SR-1323	36.499554	-81.689852
E2857	B7	SR-1514	36.486193	-81.487909	E4007	A5	SR-1324	36.559874	-81.665911
E2858	B7	SR-1501	36.476812	-81.457194	E4008	E7	US-221	36.257993	-81.498456
E2859	B7	SR-1501	36.474796	-81.450844	E4009	E7	US-221	36.274158	-81.502570
E2860	C7	SR-1501	36.472561	-81.441205	E4010	B5	SR-1320	36.502662	-81.648143
E2861	D6	SR-1109	36.302932	-81.558267	E4011	B5	SR-1320	36.493532	-81.648670
E2862	E6	SR-1106	36.285033	-81.553929	E4012	E7	US-221	36.288031	-81.501459
E2863	E6	SR-1106	36.284460	-81.555629	E4013	B4	SR-1644	36.477316	-81.500698
E2864	E6	SR-1100	36.296092	-81.584327	E4014	B5	SR-1315	36.485883	-81.668784
E2866	D6	SR-1115	36.309353	-81.595588	E4015	C6	SR-1382	36.434557	-81.634543
E2878	E6	SR-1106	36.299583	-81.539445	E4016	B7	SR-1514	36.486789	-81.495061
E2879	D7	SR-1106	36.305637	-81.513986	E4017	C5	SR-1302	36.417521	-81.700704
E2880	B8	SR-1559	36.531001	-81.349257	E4018	C5	SR-1302	36.406619	-81.725230
E2881	B8	SR-1551	36.549992	-81.380870	E4019	C5	SR-1120	36.412329	-81.667541
E2882	A8	SR-1551	36.551698	-81.378901	E4020	E6	SR-1100	36.302638	-81.587715
E2883	A8	SR-1546	36.561583	-81.357106	0	0	0	0.000000	0.000000
E2884	B8	SR-1549	36.533900	-81.343406	0	0	0	0.000000	0.000000
E2885	B8	SR-1560	36.524277	-81.337646	0	0	0	0.000000	0.000000
E2886	B8	SR-1549	36.525258	-81.336899	0	0	0	0.000000	0.000000
E2887	B8	SR-1559	36.532712	-81.347181	0	0	0	0.000000	0.000000
E2888	B8	SR-1559	36.532216	-81.348385	0	0	0	0.000000	0.000000
E2889	C9	SR-1616	36.397481	-81.306703	0	0	0	0.000000	0.000000
E2890	D9	SR-1619	36.378737	-81.298469	0	0	0	0.000000	0.000000
E2891	C9	SR-1614	36.403379	-81.278494	0	0	0	0.000000	0.000000
E2892	F11	SR-1114	36.332655	-81.538665	0	0	0	0.000000	0.000000
E2893	F11	SR-1112	36.329167	-81.542898	0	0	0	0.000000	0.000000
E2894	D7	SR-1213	36.312365	-81.526899	0	0	0	0.000000	0.000000
E2895	D18	SR-1625	36.378883	-81.365583	0	0	0	0.000000	0.000000
E2898	D8	SR-1624	36.372096	-81.350881	0	0	0	0.000000	0.000000
E2899	E17	SR-1630	36.356607	-81.374387	0	0	0	0.000000	0.000000
E2900	D8	SR-1181	36.311827	-81.425584	0	0	0	0.000000	0.000000
E2901	B8	SR-1559	36.532917	-81.346303	0	0	0	0.000000	0.000000
E2902	B8	SR-1559	36.533286	-81.345456	0	0	0	0.000000	0.000000
E2905	B8	SR-1560	36.507401	-81.349722	0	0	0	0.000000	0.000000
E2911	C6	SR-1126	36.445454	-81.585092	0	0	0	0.000000	0.000000
E2912	C6	SR-1264	36.420747	-81.621397	0	0	0	0.000000	0.000000
E2916	E7	SR-1003	36.289467	-81.446839	0	0	0	0.000000	0.000000
E2920	E17	SR-1187	36.344551	-81.386097	0	0	0	0.000000	0.000000
E2922	F18	SR-1648	36.342401	-81.369991	0	0	0	0.000000	0.000000
E2923	B8	SR-1573	36.487106	-81.413581	0	0	0	0.000000	0.000000
E2924	C9	SR-1603	36.462655	-81.324419	0	0	0	0.000000	0.000000
E2930	B6	SR-1328	36.534372	-81.626950	0	0	0	0.000000	0.000000
E2931	B8	SR-1543	36.492830	-81.414777	0	0	0	0.000000	0.000000