

Union Co.  
Bridge Map Index Key

Bridge #	Key	Structure Type	Route	Bridge #	Key	Structure Type	Route
1	E6	Culvert	US601	49	C65	Bridge	US601
2	B66	Bridge	SR1601	50	C7	Pipe	SR1719
3	A5	Bridge	SR1547	51	C7	Pipe	SR1719
5	A5	Bridge	SR1600	52	C7	Bridge	SR1725
6	A65	Bridge	SR1600	53	B15	Bridge	NC200
7	F13	Culvert	NC200	54	C7	Bridge	SR1002
8	B67	Bridge	SR1606	55	C7	Pipe	SR1741
9	A67	Bridge	SR1606	56	C7	Bridge	NC205
10	D14	Bridge	NC207	57	F14	Bridge	NC207
11	E66	Pipe	SR1001	58	C66	Bridge	NC218
13	D67	Culvert	SR1001	59	C7	Bridge	SR1006
14	C68	Pipe	SR1656	60	B65	Culvert	US601
15	E16	Bridge	US601	61	C7	Bridge	SR1745
16	B26	Culvert	NC84	62	C7	Bridge	SR1002
17	B15	Bridge	SR1504	63	C68	Culvert	NC218
18	C7	Pipe	NC205	64	A5	Culvert	US601
19	A7	Bridge	NC742	65	D15	Bridge	US74 EBL,US601 SBL
20	A16	Bridge	SR1627	66	D18	Bridge	SR1002
21	B17	Bridge	SR1681	67	A43	Pipe	SR1751
22	A17	Bridge	SR1627	68	D15	Bridge	US74 WBL
23	A18	Bridge	SR1631	69	C6	Pipe	SR1632
24	A15	Bridge	NC200	70	C6	Bridge	SR1747
25	A18	Pipe	SR1632	71	A5	Bridge	US601
26	A18	Bridge	SR1630	72	A16	Bridge	NC200
27	F67	Pipe	SR1635	73	B7	Bridge	NC218
28	F69	Bridge	SR1643	74	C18	Bridge	SR1751
29	B64	Bridge	NC218	75	B18	Bridge	SR1006
30	E68	Bridge	SR1642	76	B17	Bridge	SR1006
31	C6	Bridge	SR1627	77	C17	Bridge	SR1751
32	C6	Bridge	SR1649	78	D16	Bridge	SR1751
33	D24	Bridge	NC16	79	B7	Bridge	NC205
34	C14	n-sys maint by nc	CONCORD AVE	80	F17	Bridge	SR1003
35	B6	Bridge	SR1627	82	E18	Bridge	SR1758
36	B6	Culvert	SR1649	83	E17	Pipe	SR1962
37	B6	Bridge	SR1658	84	E17	Culvert	SR1962
38	C14	Bridge	US601 & NC207	85	E16	Bridge	US74 EBL
39	A27	Culvert	NC84	86	E16	Bridge	US74 WBL
40	C14	Culvert	US601	87	F18	Bridge	SR1957
41	A15	Culvert	US601	88	D6	Culvert	SR1934
42	D14	Bridge	US74E,601S,NC200N	89	A6	Bridge	NC200
43	D14	Bridge	US74W,601N,NC200S	90	D6	Bridge	SR1947
44	B7	Pipe	SR1706	91	D6	Pipe	SR1947
45	B7	Bridge	SR1710	92	D6	Bridge	SR1903
46	B7	Bridge	SR1716	93	D6	Bridge	SR1937
47	B7	Bridge	SR1713	94	D6	Culvert	SR1937
48	B7	Bridge	SR1714	95	D6	Culvert	SR1948

Union Co.  
Bridge Map Index Key

Bridge #	Key	Structure Type	Route	Bridge #	Key	Structure Type	Route
96	E6	Bridge	SR1003	159	E4	Bridge	SR2169
97	E7	Bridge	SR1929	160	F4	Bridge	SR2146
98	D7	Bridge	SR1929	163	E4	Bridge	SR2166
99	D7	Culvert	SR1902	165	E57	Pipe	SR1130
100	A7	Bridge	NC 205	166	D57	Bridge	SR1137
101	D7	Bridge	SR1005	167	C58	Pipe	SR1131
102	D7	Bridge	SR1903	168	D57	Bridge	SR1128
103	D7	Bridge	SR1005	170	D57	Bridge	SR1137
104	D7	Bridge	SR1005	173	D55	Culvert	SR1117
105	D17	Pipe	US74	175	D55	Pipe	SR1117
106	E7	Culvert	SR1003	177	D52	Pipe	SR1102
107	D14	City culvert	MILLER STREET	178	C52	Bridge	SR1104
108	E7	Bridge	SR1911	179	C53	Bridge	SR1106
109	E7	Bridge	SR1915	181	F24	Culvert	SR1107
110	F7	Bridge	SR1919	184	C54	Bridge	SR1113
111	E7	Bridge	SR1920	185	B55	Bridge	SR1117
112	E7	Bridge	SR1919	186	B55	Bridge	SR1126
113	E7	Pipe	SR1929	188	B56	Bridge	SR1137
115	E6	Bridge	SR1937	189	B56	Pipe	SR1128
116	D14	City culvert	STAFFORD STREET	194	B56	Bridge	SR1137
118	E6	Bridge	SR1937	195	B56	Pipe	SR1128
119	E6	Bridge	SR1937	197	A56	Pipe	SR1140
121	E6	Bridge	SR1932	198	E28	Bridge	SR1147
122	E6	Bridge	SR1940	199	D42	Pipe	SR1007
123	E6	Bridge	SR1940	201	E28	Culvert	SR1149
124	F17	Bridge	SR1941	203	F11	Pipe	SR1149
127	E6	Bridge	SR2125	204	F12	Culvert	SR1158
128	E6	Bridge	SR2102	205	F12	Bridge	SR1157
129	E6	Bridge	SR2111	206	C28	Bridge	SR1315
130	E6	Pipe	SR1005	208	D28	Culvert	SR1162
131	F6	Pipe	SR2114	209	D28	Bridge	SR1332
135	F5	Pipe	SR2254	210	C28	Pipe	SR1162
136	E6	Culvert	SR2118	211	B28	Culvert	SR1162
139	E5	Bridge	SR2125	212	C27	Bridge	SR1336
141	E5	Bridge	SR2153	213	B27	Bridge	SR1315
144	D46	Bridge	SR2115	215	C27	Bridge	SR1329
145	D46	Bridge	SR2106	216	C27	Pipe	SR1329
146	F15	Bridge	SR2102	217	D26	Pipe	SR1327
147	E15	Bridge	SR2102	219	E25	Bridge	SR1008
149	D45	Pipe	SR2115	220	C26	Bridge	SR1008
150	F14	Bridge	SR2139	221	B25	Bridge	SR1315
151	D44	Bridge	SR2139	222	B25	Bridge	SR1315
152	E44	Culvert	SR2156	223	D24	Bridge	SR1321
155	D44	Bridge	SR2146	224	D23	Bridge	SR1301
156	D43	Bridge	SR2139	226	C23	Pipe	SR1307
157	E4	Bridge	SR2170	228	B23	Bridge	SR1315

Union Co.  
Bridge Map Index Key

Bridge #	Key	Structure Type	Route	Bridge #	Key	Structure Type	Route
231	A26	Pipe	SR1338	348	D46	Bridge	SR2134
233	F36	Culvert	SR1346	354	B15	Pipe	SR1622
234	E36	Bridge	SR1358	355	E6	Pipe	SR1943
238	A27	Bridge	SR1346	356	E46	Culvert	SR2133
240	A28	Culvert	SR1162	357	B7	Bridge	SR1662
244	C13	Culvert	SR1162	358	D44	Bridge	SR2149
245	B14	Bridge	SR1501	359	D24	Bridge	SR1304
247	B14	Pipe	SR1503	360	A14	Bridge	SR1507
248	F62	Bridge	SR1501	361	D17	Culvert	SR1963
250	B70	Culvert	SR1515	362	D14	Bridge	SR1009
251	E63	Bridge	SR1508	366	C42	Culvert	SR1153
252	A13	Pipe	SR1508	367	D47	Culvert	SR2107
254	E63	Bridge	SR1367	370	E68	Bridge	SR1643
258	D37	Culvert	SR1008	376	A55	Bridge	SR1126
259	D61	Culvert	SR1501	377	D51	Bridge	SR1103
260	B38	Pipe	SR1365	379	B38	Bridge	SR1523
261	B38	Culvert	SR 1524	380	D36	Bridge	SR1362
262	B38	Bridge	SR1524	402	E46	Pipe	SR2131
263	C61	Bridge	SR1524	403	E5	Bridge	SR2122
265	C61	Bridge	SR1525	409	C66	Pipe	SR1610
267	D61	Culvert	SR1520	410	C66	Culvert	SR1611
268	D64	Bridge	SR1004	417	A43	Bridge	SR1751
269	D64	Bridge	SR1004	420	D6	Pipe	SR1934
270	E63	Bridge	SR1504	421	D6	Bridge	SR1934
271	D63	Bridge	SR1504	429	C18	Culvert	SR1631
273	C63	Bridge	SR1533	431	D67	Pipe	SR1653
275	C62	Pipe	SR1525	436	D14	Culvert	SR1162
276	A63	Bridge	SR1525	439	C23	Bridge	SR1306
283	F36	Bridge	SR1347	441	B67	Bridge	SR1547
285	E5	Bridge	SR2153	444	A14	Culvert	SR1506
287	B46	Culvert	SR1901	445	B46	Pipe	SR1733
288	B46	Bridge	SR1901	446	B13	City culvert	FOWLER SECREST RD.
292	C7	Culvert	SR1728	448	E5	Culvert	SR2154
309	D7	Bridge	SR1902	450	A8	Bridge	SR1770
312	C26	Bridge	SR1328	451	C53	Bridge	SR1194
313	C26	Bridge	SR1328	453	E7	Culvert	SR1003
319	C46	Culvert	SR2106	455	D14	Railroad bridge	SEABOARD CL. RR
323	F39	Pipe	SR1353	456	D14	Railroad bridge	SEABOARD CL. RR
326	A15	Bridge	SR1505	458	F62	Culvert	SR1514
327	D23	Pipe	SR1305	459	C63	Pipe	SR1533
329	B26	Bridge	SR1315	461	E6	Culvert	SR2115
330	E46	Bridge	SR2133	462	D63	Culvert	SR1514
333	D66	Bridge	SR1615	463	C63	Culvert	SR1004
337	B6	Bridge	SR1661	464	B7	Culvert	SR1006
342	B7	Bridge	SR1715	465	B46	Culvert	SR1731
347	E4	Pipe	SR2168	466	B14	Pipe	SR1501

Union Co.  
Bridge Map Index Key

Bridge #	Key	Structure Type	Route	Bridge #	Key	Structure Type	Route
467	D14	Bridge	SR2188	530	D13	Bridge	NC200
468	D64	Pipe	SR1004	531	D13	Bridge	NC200
469	D38	Culvert	US74	532	D13	Bridge	NC200
470	A63	Culvert	NC218	535	E38	City culvert	BRANDON OAKS PKWY.
472	A28	Culvert	NC84	536	A69	City bridge	FAITH CHURCH ROAD
473	D12	Culvert	NC84	537	E38	City pipe	BRANDON OAKS PKWY
475	D14	Culvert	NC207	539	B28	Culvert	SR3188
476	B46	Culvert	US74	540	B37	Bridge	US74 BYP
477	D14	Bridge	SR1245	541	C37	Bridge	US74 BYP
478	D15	Culvert	US74,US601	542	C38	Bridge	US74 BUS WBL
479	A12	Culvert	US74	543	C38	Bridge	SR1522
480	E6	Pipe	SR1925	544	D61	Bridge	SR 1520
481	B32	Culvert	SR1316	545	D61	Bridge	US74 BYP WBL
482	A31	Bridge	SR1316 SBL	546	D61	Bridge	US74 BYP EBL
483	A31	Bridge	SR1316 NBL	547	E61	Bridge	US74 BYP. WBL
485	E6	Pipe	SR1971	548	E61	Bridge	US74 BYP. EBL
486	B53	Pipe	SR1211	549	E62	Bridge	SR1367
488	C5	Bridge	US74 BYP WBL	550	F62	Bridge	US74 BYP WBL
489	C5	Bridge	US74 BYP EBL	551	F62	Bridge	US74 BYP EBL
490	C5	Bridge	SR1622	552	F62	Bridge	SR1514
491	C5	Bridge	US74 BYP WB	553	F63	Bridge	US74 BYP. WBL
492	C5	Bridge	US74 BYP EB	554	F63	Bridge	US74 BYP. EBL
493	C15	Bridge	NC200	555	A13	Bridge	SR1507
495	C16	Bridge	SR1006	556	B14	Bridge	SR1503
497	E24	Pipe	SR2899	558	F38	City culvert	STREAMLET WAY
498	C38	Pipe	SR2649	559	E36	City pipe	DELAMERE DRIVE
499	C6	Bridge	US74 BYP WBL	560	E36	City pipe	CAMROSE CROSSING L
500	C6	Bridge	US74 BYP EBL	561	C61	City pipe	LAKE DRIVE
501	C17	Bridge	US74 BYP WBL	562	D24	City bridge	KENSINGTON DRIVE
502	C17	Bridge	US74 BYP EBL	563	D23	City culvert	SOARING EAGLE LANE
503	C17	Bridge	US74 BYP. WBL	564	B37	Culvert	MARIE GARRIS DR.
504	C17	Bridge	US74 BYP EBL	566	D61	Culvert	US 74 BYP
506	C18	Bridge	SR 1758	567	E61	Culvert	US 74 BYP
507	C18	Bridge	US74 BYP WBL	570	B14	Culvert	US74 BYP.
508	C6	Bridge	US74 BYP EBL	571	C17	Culvert	US74 BYP
509	D19	Bridge	SR 1002	572	C18	Culvert	US74 BYP.
510	A42	Bridge	SR1754	573	C18	Culvert	US74 BYP RAMP
511	D6	Bridge	US74 BYP WB	578	C38	Overhead sign	OVERHEAD SIGN
512	D6	Bridge	US74 BYP EB	579	D61	Overhead sign	OVERHEAD SIGN
515	D15	City culvert	SUTHERLAND AVENUE	580	E61	Overhead sign	OVERHEAD SIGN
516	D16	City bridge	SUTHERLAND AVENUE	581	E61	Overhead sign	OVERHEAD SIGN
518	E34	Bridge	NC16	582	F62	Overhead sign	OVERHEAD SIGN
520	D38	Pipe	SR1367	583	F62	Overhead sign	OVERHEAD SIGN
524	C22	Pipe	SR1307	584	F63	Overhead sign	OVERHEAD SIGN
526	E6	Bridge	US601 NBL	585	A13	Overhead sign	OVERHEAD SIGN
527	E6	Bridge	US601 SBL	586	B14	Overhead sign	OVERHEAD SIGN

Union Co.  
Bridge Map Index Key

Bridge #	Key	Structure Type	Route	Bridge #	Key	Structure Type	Route
587	B14	Overhead sign	OVERHEAD SIGN	0	0	0	0
587	B15	Overhead sign	OVERHEAD SIGN	0	0	0	0
588	C16	Overhead sign	OVERHEAD SIGN	0	0	0	0
589	C16	Overhead sign	OVERHEAD SIGN	0	0	0	0
590	B42	Overhead sign	OVERHEAD SIGN	0	0	0	0
591	C38	Overhead sign	OVERHEAD SIGN	0	0	0	0
592	D23	City bridge	MILLBRIDGE PWKY	0	0	0	0
597	B32	Culvert	TOM SHORT RD.	0	0	0	0

Union Co.  
Non-NBIS Pipe Index Key

Pipe ID	Key	Route	Latitude	Longitude	Pipe ID	Key	Route	Latitude	Longitude
2803	B44	SR-1005	34.979327	-80.361339	3049	E25	SR-2520	34.937733	-80.721722
3001	C6	SR-1631	35.002652	-80.444447	4001	F43	SR-2159	34.885737	-80.578499
3002	C6	SR-1630	35.043101	-80.458296	4002	B7	SR-1706	35.139566	-80.294666
3003	C6	SR-1756	35.025704	-80.429764	4003	A8	SR-1703	35.161204	-80.282719
3004	B24	SR-3328	34.982482	-80.767335	4004	B7	SR-1661	35.139109	-80.377361
3005	A18	SR-1631	35.048608	-80.440751	4005	B7	SR-1006	35.079342	-80.355473
3006	B33	SR-2882	35.012813	-80.786399	4006	E6	SR-2102	34.878009	-80.465012
3007	F68	SR-1631	35.061707	-80.444400	4007	C6	SR-1649	35.067960	-80.405985
3008	F67	SR-2774	35.073844	-80.466255	4008	F6	SR-2113	34.822343	-80.443307
3009	A17	SR-1633	35.055231	-80.471825	4009	C15	SR-1006	35.002205	-80.517319
3010	B16	SR-2720	35.033208	-80.506569	4010	F14	NC-207	34.945312	-80.538550
3011	B6	SR-1660	35.149005	-80.409690	4011	F16	SR-2106	34.941779	-80.497499
3012	B66	SR-1609	35.139397	-80.493202	4012	E46	SR-2176	34.897038	-80.503604
3013	B66	SR-1608	35.143597	-80.489741	4013	D47	SR-2108	34.922339	-80.489556
3014	A66	SR-1601	35.168533	-80.510616	4014	F47	SR-2127	34.883482	-80.493086
3015	F64	SR-1550	35.060331	-80.540819	4015	E6	SR-2126	34.858423	-80.475367
3016	A14	SR-1505	35.051117	-80.553713	4016	D45	SR-2136	34.921218	-80.534477
3017	C65	SR-1667	35.130146	-80.514497	4017	C7	SR-1002	35.046062	-80.361081
3018	D64	SR-1531	35.099312	-80.546302	4018	C7	SR-1745	35.057978	-80.363329
3019	D64	SR-1531	35.103026	-80.543227	4019	E5	SR-2122	34.840696	-80.509075
3020	E11	SR-1007	34.969114	-80.620251	4020	F5	SR-2122	34.829091	-80.506591
3021	A29	SR-1349	35.006565	-80.642315	4021	B46	US-74	34.989137	-80.301064
3022	C18	SR-1758	35.002584	-80.452027	4022	F13	SR-2146	34.950709	-80.584991
3023	A27	SR-3651	35.018653	-80.676980	4023	B42	US-74	34.984728	-80.401085
3024	A29	SR-3441	35.005365	-80.642074	4024	E5	SR-2153	34.844900	-80.555268
3025	F14	SR-2217	34.953325	-80.538126	4025	F61	US-74	35.060808	-80.632530
3026	B28	SR-3263	34.997385	-80.664480	4026	D44	SR-2139	34.927562	-80.558249
3027	B27	SR-3145	34.994967	-80.687091	4027	C38	US-74	35.093130	-80.670226
3028	B21	SR-2516	34.996604	-80.834202	4028	C39	US-74 BYP	35.098908	-80.643419
3029	E35	SR-1490	35.051799	-80.742749	4029	E5	SR-2156	34.833917	-80.561876
3030	E35	SR-2571	35.039663	-80.735213	4030	E5	SR-2162	34.852027	-80.574705
3031	E35	SR-2512	35.042502	-80.745793	4032	B43	SR-1740	34.981926	-80.377041
3032	A25	SR-3812	35.012986	-80.737212	4033	F43	SR-1134	34.886486	-80.599867
3033	A25	SR-3675	35.010781	-80.734825	4034	D6	SR-1937	34.952968	-80.386977
3034	C62	SR-2488	35.120365	-80.608941	4035	B42	SR-1754	34.978066	-80.411189
3035	E36	SR-1358	35.041959	-80.705619	4036	D6	SR-1934	34.953461	-80.414519
3036	F36	SR-2570	35.025251	-80.701059	4037	D13	SR-3522	34.983193	-80.574108
3037	A70	SR-3090	35.081299	-80.621852	4038	F11	SR-1007	34.940233	-80.622398
3038	A69	SR-2415	35.078520	-80.638588	4039	C43	SR-1155	34.930375	-80.596145
3039	D61	SR-1562	35.103863	-80.630521	4040	D42	SR-1155	34.923701	-80.609662
3040	E36	SR-1466	35.040908	-80.710892	4041	D6	SR-1937	34.932803	-80.391071
3041	F38	SR-2563	35.035326	-80.650440	4042	D6	SR-1937	34.932797	-80.391090
3042	F36	SR-2523	35.036751	-80.707933	4043	E6	SR-1971	34.896608	-80.455235
3043	F39	SR-3267	35.027097	-80.642488	4044	E16	SR-1941	34.966785	-80.487699
3044	B26	SR-1339	34.991981	-80.714731	4045	E57	SR-1130	34.826818	-80.639955
3045	B26	SR-3342	34.982036	-80.695934	4046	F42	SR-1133	34.872627	-80.625828
3046	B24	SR-3644	34.984516	-80.750116	4047	D6	SR-1945	34.928305	-80.436126
3047	A11	SR-2356	35.054110	-80.616978	4048	F27	SR-3523	34.902936	-80.689159
3048	A21	SR-3198	35.002545	-80.825981	4049	B58	SR-1131	34.882478	-80.638347

Union Co.  
Non-NBIS Pipe Index Key

Pipe ID	Key	Route	Latitude	Longitude	Pipe ID	Key	Route	Latitude	Longitude
4050	D56	SR-1118	34.844744	-80.667862	4102	C13	US-74	35.014354	-80.735873
4051	D55	SR-1117	34.837240	-80.699532	4103	D17	US-74	34.980652	-80.718021
4052	E7	SR-1919	34.836862	-80.356716	4104	D18	US-74	34.981825	-80.698313
4053	F65	SR-1001	35.063295	-80.519951	4105	D19	US-74	34.980854	-80.642019
4054	E66	SR-1615	35.092644	-80.507462	4106	B41	US-74	34.981462	-80.658675
4055	C55	SR-1125	34.868050	-80.694711	4107	B43	US-74	34.984853	-80.673579
4056	B55	SR-1284	34.883192	-80.714318	4108	B43	US-74	34.985850	-80.684496
4057	A53	SR-1112	34.897603	-80.755959	4109	B44	US-74	34.988054	-80.673054
4058	E63	SR-1367	35.080356	-80.572378	4110	E6	US-601	34.870257	-80.660394
4059	E63	SR-1367	35.080359	-80.572368	4111	E6	US-601	34.882566	-80.750635
4060	D55	SR-1115	34.839673	-80.702760	4112	E6	US-601	34.891282	-80.754189
4061	A13	SR-2482	35.049856	-80.570331	4113	E16	US-601	34.959993	-80.642043
4062	A13	SR-2482	35.049850	-80.570359	4114	E15	US-601	34.968901	-80.740124
4063	A13	SR-2482	35.049847	-80.570376	4115	E6	US-601	34.884303	-80.721914
4064	E62	SR-1508	35.089988	-80.591317	4116	E6	US-601	34.838302	-80.755146
4065	C14	US-601	35.009222	-80.543467	4117	B41	US-74	34.981652	-80.767043
4066	E61	SR-1501	35.093935	-80.628072	4118	B13	US-74	35.027389	-80.772200
4067	E61	SR-1501	35.093954	-80.628087	4119	C24	NC-16	34.965927	-80.778434
4068	D61	SR-1501	35.102843	-80.631387	4120	E25	NC-75	34.924512	-80.653422
4069	C23	SR-1307	34.973598	-80.778446	4121	E25	NC-75	34.924493	-80.651526
4070	E61	SR-1518	35.086125	-80.629467	4122	E26	NC-75	34.926458	-80.660381
4071	E61	SR-1518	35.086141	-80.629460	4123	E27	NC-75	34.935014	-80.370758
4072	E61	SR-1518	35.093827	-80.619703	4124	D28	NC-75	34.943633	-80.378595
4073	D26	SR-3883	34.952593	-80.702198	4125	D29	NC-75	34.951122	-80.378974
4074	E6	SR-1945	34.907673	-80.440626	4126	E11	NC-75	34.962338	-80.384324
4075	D6	SR-1954	34.925457	-80.456076	4127	E11	NC-75	34.963642	-80.384703
4076	C25	SR-2603	34.977959	-80.721272	4128	A24	NC-84	35.017125	-80.380653
4077	E7	SR-1929	34.882865	-80.368731	4129	A24	NC-84	35.014439	-80.378707
4078	E6	SR-1944	34.903929	-80.438712	4130	B25	NC-84	35.000206	-80.344780
4079	F33	SR-3271	35.028180	-80.776824	4131	B28	NC-84	35.001761	-80.351134
4080	E6	SR-1941	34.889734	-80.430460	4132	D11	NC-84	34.993675	-80.301393
4081	F7	SR-1920	34.814960	-80.369285	4133	D12	NC-84	34.986795	-80.287542
4082	E7	SR-1927	34.838570	-80.377137	4134	D12	NC-84	34.984642	-80.347669
4083	E7	SR-1915	34.866848	-80.371335	4135	D12	NC-84	34.984398	-80.311479
4084	E6	SR-1930	34.877247	-80.389036	4136	B57	NC-200	34.875929	-80.307607
4085	B32	SR-2902	35.021358	-80.796620	4137	E57	NC-200	34.884604	-80.284188
4086	E6	SR-1915	34.869490	-80.397584	4138	E13	NC-200	34.972925	-80.296335
4087	E6	SR-1975	34.852507	-80.408229	4139	D13	NC-200	34.994761	-80.380434
4088	C32	SR-3641	35.006499	-80.803970	4140	B16	NC-200	35.024312	-80.390584
4089	E6	SR-1919	34.855511	-80.395106	4141	A16	NC-200	35.040953	-80.315652
4090	C37	SR-1365	35.093503	-80.682246	4142	A16	NC-200	35.047333	-80.335267
4091	C38	US-74	35.092959	-80.672009	4143	F67	NC-200	35.071055	-80.337293
4093	B44	SR-1005	34.979278	-80.361536	4144	F67	NC-200	35.073542	-80.320691
4094	C18	SR-1758	34.998828	-80.449934	4145	E67	NC-200	35.081357	-80.350736
4096	A17	SR-2793	35.044922	-80.476982	4146	E68	NC-200	35.090430	-80.366046
4097	C16	US-74 BYP	35.004877	-80.492830	4147	E68	NC-200	35.093173	-80.298073
4098	C16	US-74 BYP	35.005143	-80.496320	4148	E68	NC-200	35.094060	-80.311504
4100	B12	US-74	35.033262	-80.746984	4149	C69	NC-200	35.118481	-80.338833
4101	B13	US-74	35.022994	-80.744545	4150	B6	NC-200	35.133438	-80.425009

Union Co.  
Non-NBIS Pipe Index Key

Pipe ID	Key	Route	Latitude	Longitude	Pipe ID	Key	Route	Latitude	Longitude
4151	A43	NC-205	34.996413	-80.425101	4200	A53	SR-1112	34.897955	-80.511956
4152	C7	NC-205	35.020151	-80.428591	4201	B54	SR-1113	34.873580	-80.447612
4153	C7	NC-205	35.027692	-80.440970	4202	D54	SR-1114	34.834282	-80.434121
4154	B7	NC-205	35.099117	-80.478694	4203	D55	SR-1114	34.832457	-80.396333
4155	B7	NC-205	35.104224	-80.511655	4204	D55	SR-1115	34.837238	-80.411085
4156	B7	NC-205	35.110554	-80.504161	4205	E55	SR-1117	34.828984	-80.485663
4157	B7	NC-205	35.120596	-80.499564	4206	B55	SR-1128	34.888111	-80.456607
4158	A7	NC-205	35.160812	-80.480313	4207	B56	SR-1128	34.880993	-80.714680
4159	A7	NC-205	35.165591	-80.478873	4208	E4	SR-1130	34.835727	-80.770715
4160	E5	NC-207	34.836401	-80.470408	4209	E4	SR-1130	34.840277	-80.770691
4161	E5	NC-207	34.836860	-80.459151	4210	B57	SR-1131	34.888064	-80.770889
4162	E5	NC-207	34.841998	-80.457010	4211	B57	SR-1131	34.890771	-80.771398
4163	E5	NC-207	34.851111	-80.456425	4212	B56	SR-1131	34.892126	-80.716710
4164	E45	NC-207	34.895798	-80.472076	4213	B56	SR-1137	34.878795	-80.709637
4165	E14	NC-207	34.966730	-80.312907	4214	A57	SR-1146	34.900451	-80.749471
4166	A63	NC-218	35.162604	-80.368029	4215	A57	SR-1146	34.900397	-80.691108
4167	B64	NC-218	35.139350	-80.395793	4216	F12	SR-1149	34.942687	-80.675268
4168	B65	NC-218	35.138379	-80.369621	4217	F11	SR-1149	34.937653	-80.660021
4169	C68	NC-218	35.134652	-80.392664	4218	E28	SR-1149	34.937398	-80.513308
4170	B7	NC-218	35.133475	-80.388644	4219	E28	SR-1150	34.941152	-80.445380
4171	B7	NC-218	35.108542	-80.388047	4220	D42	SR-1152	34.918050	-80.405308
4172	B7	NC-218	35.101812	-80.368030	4221	D42	SR-1155	34.921854	-80.407790
4173	B7	NC-218	35.090151	-80.428051	4222	F11	SR-1158	34.942028	-80.415833
4174	F42	NC-522	34.873237	-80.472967	4223	F11	SR-1158	34.945390	-80.432819
4175	F34	NC-16	35.026353	-80.445800	4224	C12	SR-1162	35.008162	-80.331199
4176	F65	SR-1001	35.071666	-80.437874	4225	C11	SR-1162	35.009308	-80.447684
4177	E66	SR-1001	35.077353	-80.426564	4226	C11	SR-1162	35.009457	-80.443853
4178	C7	SR-1002	35.034574	-80.372621	4227	C28	SR-1162	34.962831	-80.487218
4179	D6	SR-1003	34.932490	-80.471203	4228	E56	SR-1221	34.827885	-80.460282
4180	B61	SR-1004	35.138506	-80.457514	4229	E57	SR-1221	34.829726	-80.456265
4181	D63	SR-1004	35.112654	-80.475496	4230	B43	SR-1253	34.876078	-80.455317
4182	E6	SR-1005	34.844633	-80.517832	4231	B54	SR-1263	34.883640	-80.447882
4183	E6	SR-1005	34.844820	-80.503860	4232	C53	SR-1271	34.851993	-80.430532
4184	B19	SR-1006	35.036755	-80.550482	4233	B54	SR-1284	34.881898	-80.452043
4185	B7	SR-1006	35.092550	-80.538673	4234	E53	SR-1294	34.827902	-80.466371
4186	B12	SR-1007	35.030559	-80.543044	4235	C23	SR-1307	34.974681	-80.517512
4187	B12	SR-1007	35.024413	-80.573451	4236	A22	SR-1313	35.009223	-80.516445
4188	C12	SR-1007	35.003035	-80.485864	4237	B26	SR-1315	34.982790	-80.485984
4189	D11	SR-1007	34.981551	-80.479951	4238	B26	SR-1315	34.984492	-80.487079
4190	E25	SR-1008	34.927739	-80.531538	4239	B24	SR-1315	34.991272	-80.533665
4191	D26	SR-1008	34.948806	-80.540738	4240	B23	SR-1315	34.992368	-80.409559
4192	F37	SR-1008	35.035454	-80.537612	4241	C33	SR-1316	35.008239	-80.409647
4193	C38	SR-1008	35.081997	-80.524692	4242	E26	SR-1325	34.936855	-80.426197
4194	E38	SR-1009	35.054077	-80.520956	4243	D26	SR-1327	34.944027	-80.351120
4195	D53	SR-1106	34.847905	-80.505434	4244	C27	SR-1329	34.967240	-80.388927
4196	F23	SR-1108	34.905429	-80.506157	4245	E11	SR-1333	34.973062	-80.438989
4197	F23	SR-1108	34.905232	-80.425913	4246	B28	SR-1334	34.989026	-80.409468
4198	F24	SR-1108	34.907699	-80.466093	4247	A27	SR-1337	35.004725	-80.633859
4199	E27	SR-1111	34.922751	-80.500928	4248	F36	SR-1338	35.021408	-80.633201



Union Co.  
Non-NBIS Pipe Index Key

Pipe ID	Key	Route	Latitude	Longitude	Pipe ID	Key	Route	Latitude	Longitude
4249	B26	SR-1339	34.999354	-80.674543	4299	B6	SR-1627	35.100802	-80.703192
4250	A25	SR-1341	35.006038	-80.695451	4300	B6	SR-1627	35.102670	-80.704556
4251	F34	SR-1346	35.033903	-80.445861	4301	B18	SR-1631	35.023299	-80.546606
4252	A28	SR-1348	35.011097	-80.520157	4302	E67	SR-1637	35.085654	-80.574980
4253	F37	SR-1355	35.020492	-80.556065	4303	D66	SR-1640	35.109160	-80.579859
4254	E37	SR-1360	35.048793	-80.570302	4304	D66	SR-1640	35.111871	-80.577408
4255	E37	SR-1361	35.056172	-80.587066	4305	B6	SR-1642	35.089195	-80.722573
4256	D37	SR-1362	35.069956	-80.602082	4306	D68	SR-1652	35.097707	-80.714360
4257	D36	SR-1362	35.066586	-80.596568	4307	B6	SR-1657	35.115624	-80.707944
4258	D36	SR-1362	35.066508	-80.584981	4308	D65	SR-1671	35.107843	-80.673960
4259	E64	SR-1367	35.088491	-80.572842	4309	D67	SR-1675	35.109918	-80.615261
4260	D38	SR-1371	35.067742	-80.569277	4310	E67	SR-1689	35.079978	-80.730068
4261	D38	SR-1373	35.074290	-80.562196	4311	A8	SR-1700	35.174698	-80.726345
4262	F38	SR-1377	35.028750	-80.583265	4312	A7	SR-1701	35.180137	-80.724452
4263	F38	SR-1377	35.031611	-80.577918	4313	A7	SR-1701	35.170227	-80.513653
4264	A11	SR-1378	35.048481	-80.552632	4314	B7	SR-1703	35.158942	-80.506431
4265	A11	SR-1378	35.045806	-80.538329	4315	B7	SR-1711	35.143357	-80.504726
4266	D37	SR-1408	35.065216	-80.531639	4316	B7	SR-1714	35.103891	-80.508032
4267	D37	SR-1408	35.063672	-80.531584	4317	C7	SR-1720	35.048756	-80.510383
4268	F38	SR-1483	35.023203	-80.531225	4318	C7	SR-1724	35.038989	-80.638203
4270	F62	SR-1513	35.062554	-80.530952	4319	A45	SR-1735	34.999015	-80.656505
4271	E63	SR-1514	35.075924	-80.540198	4320	A45	SR-1735	34.996452	-80.602059
4272	A12	SR-1514	35.043238	-80.566052	4321	C7	SR-1736	35.021141	-80.631482
4273	D38	SR-1519	35.078685	-80.564713	4322	C7	SR-1736	35.015514	-80.646078
4274	D61	SR-1522	35.102472	-80.497869	4323	B41	SR-1740	34.973640	-80.648966
4275	C61	SR-1524	35.123351	-80.458694	4324	C7	SR-1745	35.072986	-80.614877
4276	B38	SR-1524	35.107978	-80.492943	4325	C6	SR-1750	35.016079	-80.625099
4277	B63	SR-1534	35.139505	-80.617122	4326	D17	SR-1751	34.994452	-80.615381
4278	B63	SR-1534	35.142541	-80.647712	4327	C6	SR-1751	35.005106	-80.609333
4279	A63	SR-1538	35.157898	-80.603137	4328	A42	SR-1751	34.998224	-80.604284
4280	B62	SR-1539	35.139742	-80.650837	4329	D19	SR-1755	34.988841	-80.602984
4281	B62	SR-1539	35.146340	-80.774368	4330	D17	SR-1786	34.996251	-80.707261
4282	B62	SR-1539	35.150108	-80.794384	4331	B44	SR-1902	34.978573	-80.677151
4283	A62	SR-1539	35.156908	-80.802252	4332	B44	SR-1902	34.978571	-80.632542
4284	B62	SR-1540	35.152094	-80.804358	4333	D6	SR-1903	34.938342	-80.645089
4285	A62	SR-1541	35.162435	-80.795055	4334	E7	SR-1905	34.914321	-80.687611
4286	A64	SR-1543	35.157256	-80.796136	4335	E7	SR-1907	34.913377	-80.658040
4287	A65	SR-1600	35.160894	-80.759667	4336	E6	SR-1915	34.870121	-80.642439
4288	C66	SR-1601	35.128367	-80.763800	4337	F7	SR-1920	34.816224	-80.450152
4289	A67	SR-1604	35.167413	-80.767566	4338	F6	SR-1922	34.829095	-80.318173
4290	A67	SR-1604	35.167962	-80.801686	4339	E6	SR-1930	34.884550	-80.386961
4291	D65	SR-1611	35.113209	-80.808458	4340	E6	SR-1931	34.885093	-80.468500
4292	E65	SR-1613	35.084719	-80.759218	4341	E6	SR-1933	34.910595	-80.530652
4293	E65	SR-1613	35.080799	-80.731852	4342	D7	SR-1934	34.924416	-80.526131
4294	F65	SR-1613	35.073118	-80.731807	4343	E6	SR-1940	34.874022	-80.558042
4295	E66	SR-1615	35.078109	-80.745810	4344	E6	SR-1945	34.900556	-80.626408
4296	E66	SR-1617	35.084118	-80.729426	4345	F18	SR-1955	34.940174	-80.625562
4297	E66	SR-1618	35.089433	-80.716184	4346	F17	SR-1957	34.953634	-80.615724
4298	B6	SR-1627	35.090881	-80.703134	4347	C42	SR-1957	34.963738	-80.618492

Union Co.  
Non-NBIS Pipe Index Key

Pipe ID	Key	Route	Latitude	Longitude	Pipe ID	Key	Route	Latitude	Longitude
4348	E18	SR-1961	34.960575	-80.793762	4396	F34	SR-2690	35.027020	-80.347839
4349	D13	SR-2100	34.982600	-80.763909	4397	A15	SR-2700	35.051885	-80.373922
4350	D13	SR-2100	34.982855	-80.701183	4398	E67	SR-2704	35.084787	-80.387415
4351	E5	SR-2108	34.909584	-80.695181	4399	F68	SR-2736	35.058096	-80.599331
4352	D5	SR-2108	34.913469	-80.700337	4400	F35	SR-2763	35.023067	-80.588654
4353	F6	SR-2115	34.823071	-80.713761	4401	E67	SR-2775	35.078378	-80.764209
4354	F6	SR-2115	34.831596	-80.564467	4402	D36	SR-2852	35.074654	-80.774064
4355	F47	SR-2115	34.872023	-80.568435	4403	C23	SR-2869	34.964731	-80.671089
4356	F6	SR-2116	34.817294	-80.588207	4404	C32	SR-2948	35.005405	-80.710764
4357	F6	SR-2117	34.830607	-80.592606	4405	B22	SR-2948	34.997510	-80.715818
4358	F5	SR-2121	34.827260	-80.611293	4406	C36	SR-2952	35.078492	-80.570056
4359	E5	SR-2125	34.859550	-80.635951	4407	B24	SR-2983	34.987958	-80.658214
4360	E46	SR-2132	34.899955	-80.645006	4408	B24	SR-2983	34.985958	-80.638443
4361	D45	SR-2136	34.921096	-80.674594	4409	B26	SR-2991	34.981434	-80.618284
4362	E43	SR-2139	34.905188	-80.662080	4410	B27	SR-3144	34.993728	-80.576755
4363	E14	SR-2139	34.969212	-80.716767	4411	E36	SR-3288	35.044319	-80.578752
4364	E13	SR-2143	34.957385	-80.685261	4412	B24	SR-3328	34.982662	-80.602672
4365	F13	SR-2146	34.947126	-80.663023	4413	B22	SR-3455	34.985120	-80.602428
4366	E5	SR-2153	34.837888	-80.568227	4414	B22	SR-3465	34.982313	-80.600286
4367	E5	SR-2153	34.845217	-80.572520	4415	C54	SR-3500	34.851437	-80.601174
4368	E5	SR-2153	34.850679	-80.722415	4416	F25	SR-3530	34.908232	-80.592040
4369	B15	SR-1504	35.030871	-80.747650	4417	C32	SR-3641	35.006037	-80.610873
4369	E44	SR-2156	34.899887	-80.753217	4418	C32	SR-3643	35.009354	-80.581078
4370	E44	SR-2156	34.906587	-80.655313	4419	C27	SR-3655	34.962171	-80.587832
4371	E44	SR-2158	34.889300	-80.684085	4420	A23	SR-3690	35.002841	-80.595853
4372	E5	SR-2161	34.866015	-80.660590	4421	B37	SR-3814	35.100090	-80.623412
4373	E5	SR-2161	34.866262	-80.622390	4422	D7	SR-1990	34.931427	-80.327879
4374	E5	SR-2161	34.866203	-80.619030	4423	E7	SR-1909	34.891797	-80.314309
4375	E4	SR-2163	34.847112	-80.605900	4424	E7	SR-1984	34.887340	-80.325388
4376	E4	SR-2168	34.840010	-80.613372	4425	A44	SR-1774	34.990955	-80.348752
4377	E4	SR-2169	34.852978	-80.616405	4426	C17	SR-1751	34.998881	-80.474749
4378	F5	SR-2254	34.825056	-80.683779	4427	C17	SR-1786	34.997547	-80.472272
4379	A11	SR-2360	35.054400	-80.682414	4428	F18	SR-1957	34.952029	-80.458629
4380	D64	SR-2453	35.095899	-80.657573	4429	D18	SR-1002	34.986341	-80.440889
4381	E35	SR-2509	35.045688	-80.660517	0	0	0	0.000000	0.000000
4382	E34	SR-2526	35.044556	-80.689082	0	0	0	0.000000	0.000000
4383	A26	SR-2539	35.005843	-80.711954	0	0	0	0.000000	0.000000
4384	A24	SR-2547	35.005676	-80.717120	0	0	0	0.000000	0.000000
4385	A23	SR-2547	35.004225	-80.719744	0	0	0	0.000000	0.000000
4386	F36	SR-2570	35.021173	-80.709114	0	0	0	0.000000	0.000000
4387	F36	SR-2570	35.026155	-80.729865	0	0	0	0.000000	0.000000
4388	F36	SR-2570	35.026163	-80.690360	0	0	0	0.000000	0.000000
4389	E35	SR-2571	35.042395	-80.688662	0	0	0	0.000000	0.000000
4390	E35	SR-2571	35.038215	-80.693315	0	0	0	0.000000	0.000000
4391	B26	SR-2574	35.000536	-80.762896	0	0	0	0.000000	0.000000
4392	F38	SR-2606	35.026084	-80.790603	0	0	0	0.000000	0.000000
4393	B32	SR-2679	35.014891	-80.820833	0	0	0	0.000000	0.000000
4394	C32	SR-2683	35.010314	-80.801604	0	0	0	0.000000	0.000000
4395	F34	SR-2690	35.026955	-80.808875	0	0	0	0.000000	0.000000