



City of Duluth

Street Improvement Program

Transportation Sales Tax Proposal

2017

STREET IMPROVEMENT STANDARDS

The City of Duluth is responsible for approximately 450 miles of roadway. The municipal state aid routes (MSA) are partly funded by the State of Minnesota, and account for twenty percent of our streets. These routes serve as our arterials and collectors, and carry our highest volumes of traffic. The remaining miles are the city's local residential streets. Our focus with this program is on the residential streets.

In 1994, the City of Duluth initiated a residential Street Improvement Program (SIP). The intent was to eventually rehabilitate all residential streets within the City over the course of 50 years. This program was eliminated in 2009 due to loss of funding. As a result, fewer than 3 miles of residential streets have been reconstructed annually over the last eight years.

A more reliable funding source is now being proposed, with the funding dedicated to the maintenance, preservation, and rehabilitation of residential streets. A five-year Capital Improvement Plan is compiled each year as part of the budget process. The 2018 five-year plan will incorporate a residential Street Improvement Program.

The roadways listed in this Plan are generated from the City of Duluth's Pavement Management System (ICON). The ICON system is a relational database that includes physical attributes for every block of city street in Duluth. It includes a condition rating from 0 (poor) to 100 (best) for each segment with a corresponding deterioration curve. According to ICON, Duluth street conditions average a score of 36, well below the average desirable rating of 70 for most municipalities.

Streets will be selected based on the criteria below.

Project consideration criteria

- Condition of utilities:
 - o Water
 - o Sanitary
 - o Storm- drainage issues
 - o Gas
- Age and condition of street based on pavement management ratings (ICON system)
- Type of street usage
- Volume of traffic
- Maintenance costs of existing streets and icing problems
- Relationship to other construction or projects:
 - o Redevelopment and urban renewal
 - o Geographic distribution around the city to fairly and equitably improve neighborhoods
 - o Special Utility Projects

- Bridges
- Continuity with other projects
- Start neighborhood projects at the bottom of the hill, and work our way up with the goal of completing the entire neighborhood. Storm sewers need to be sized appropriately.
- City responsibility for work adjacent to or part of Federal, MNDOT, County or grant funded projects
- Multimodal projects
- Other public safety and welfare considerations

The street inventory and associated costs for each have been developed and assigned to individual sections based on the roadway type, condition and improvement strategy. This allows the City to provide the appropriate repair at the appropriate time to maximize our investment.

The following attachments detail the projects and estimated costs for improvement:

Summary of Street Improvement Program Projects

Inventory of Road Projects

List of Bridge Projects

Safety and Multimodal Projects

City of Duluth
Street Improvement Program
Summary of All Projects

Road Projects	
Dollars	Miles
\$446,000,000	452

Bridge Projects	
Dollars	Number
\$56,800,000	85

Safety and Multimodal Projects	
Dollars	Number
\$31,500,000	Various Locations

TOTALS		
Dollars	Miles	Number
\$534,300,000	452	85

**City of Duluth Street Improvement Program
Road Projects**

Name	Miles	Estimated Cost
100th Ave W	0.14	\$ 311,365
101st Ave W	1.09	\$ 2,368,245
102nd Ave W	0.67	\$ 1,362,416
103rd Ave W	0.48	\$ 1,046,311
104th Ave W	0.45	\$ 873,319
105th Ave W	0.34	\$ 723,008
108th Ave W	0.70	\$ 1,216,355
10th Ave E	0.77	\$ 907,889
10th Ave W	0.34	\$ 1,320,669
10th St	2.25	\$ 1,601,160
11th Ave E	0.77	\$ 480,574
11th Ave W	0.55	\$ 52,398
11th St	1.41	\$ 1,214,504
12-1/2 Ave E	0.04	\$ 1,688
121st Ave W	0.22	\$ 327,236
123rd Ave W	0.27	\$ 134,873
125th Ave W	0.13	\$ 121,484
126th Ave W	0.04	\$ 1,067
128th Ave W	0.25	\$ 472,596
12th Ave E	0.88	\$ 213,342
12th Ave W	0.19	\$ 124,736
12th St	0.76	\$ 783,339
130th Ave W	0.20	\$ 353,920
131st Ave W	0.60	\$ 439,646
132nd Ave W	0.05	\$ 54,352
133rd Ave W	0.10	\$ 139,659
134th Ave W	0.28	\$ 60,318
13th Ave E	0.75	\$ 212,450
13th Ave W	0.21	\$ 262,396
13th St	1.59	\$ 816,909
14th Ave E	0.71	\$ 668,667
14th Ave W	0.10	\$ 89,358
14th St	0.27	\$ 302,703
15th Ave E	0.77	\$ 811,766
15th St	0.69	\$ 688,069
16th Ave E	0.76	\$ 954,224
16th St	0.32	\$ 121,070
17-1/2 Ave W	0.07	\$ 64,610
17th Ave E	0.87	\$ 195,420
17th Ave W	0.06	\$ 127,243
17th St	0.02	\$ 1,291
18-1/2 Ave W	0.05	\$ 102,788
18th Ave E	0.98	\$ 640,615
18th Ave W	0.30	\$ 83,694
19-1/2 Ave W	0.07	\$ 135,722
19th Ave E	1.28	\$ 348,931
19th Ave W	0.27	\$ 159,940
19th St	0.04	\$ 47,648

1st Ave E	0.79	\$	783,040
1st Ave W	0.59	\$	975,399
1st St	6.33	\$	6,306,097
20th Ave E	0.88	\$	719,250
20th Ave W	0.36	\$	632,831
20th St	0.03	\$	2,080
21st Ave E	0.78	\$	505,150
21st Ave E Conn	0.20	\$	204,480
21st Ave W	0.58	\$	293,385
22nd Ave E	0.25	\$	247,145
22nd Ave W	1.02	\$	597,822
22nd St	0.26	\$	111,874
23rd Ave E	0.64	\$	1,076,960
23rd Ave W	1.01	\$	1,582,304
23rd St	0.16	\$	363,189
24th Ave E	0.56	\$	534,115
24th Ave W	1.12	\$	3,376,214
24th St	0.28	\$	579,765
25th Ave E	0.60	\$	140,790
25th Ave W	0.88	\$	44,020
25th St S	0.02	\$	969
26th Ave E	0.84	\$	388,736
26th Ave W	0.73	\$	140,965
26th St	0.16	\$	276,432
27th Ave E	0.28	\$	199,958
27th Ave W	1.34	\$	401,524
27th St	0.03	\$	702
28th Ave E	0.28	\$	237,691
28th Ave W	0.66	\$	381,936
28th St	0.02	\$	1,066
29th Ave E	0.38	\$	89,238
29th Ave W	0.38	\$	166,696
29th St	0.02	\$	1,022
2nd Ave E	0.48	\$	678,502
2nd Ave W	0.80	\$	721,372
2nd St	5.41	\$	1,250,862
30-1/2 Ave W	0.07	\$	63,226
30th Ave E	0.28	\$	171,440
30th Ave W	0.11	\$	365,120
30th St	0.10	\$	5,863
31st St	0.05	\$	1,264
32nd Ave E	0.14	\$	86,378
32nd Ave W	0.05	\$	40,745
32nd St	0.04	\$	93,115
33rd Ave E	0.24	\$	126,716
33rd St	0.04	\$	2,464
34th Ave E	0.58	\$	200,523
34th Ave W	0.23	\$	451,880
34th St	0.04	\$	2,325
35th Ave E	0.32	\$	64,351
35th Ave W	0.10	\$	205,189
35th St	0.04	\$	26,894

36th Ave E	0.69	\$	183,416
36th St	0.03	\$	4,223
37-1/2 Ave W	0.07	\$	55,803
37th Ave E	0.14	\$	503
37th Ave W	0.17	\$	280,426
37th St	0.05	\$	2,624
38th Ave E	0.11	\$	4,720
38th Ave W	0.37	\$	507,695
38th St	0.04	\$	2,251
39th Ave W	0.62	\$	1,195,010
39th St S	0.04	\$	31,422
3rd Ave E	0.59	\$	681,528
3rd Ave W	0.50	\$	697,924
3rd St	5.75	\$	11,619,830
3rd St Alley	0.06	\$	31,429
40th Ave E	0.82	\$	380,688
40th Ave W	0.35	\$	57,159
40th St	0.02	\$	1,045
41st Ave E	0.74	\$	258,336
41st Ave W	0.45	\$	383,511
42nd Ave E	0.76	\$	108,709
42nd Ave W	0.44	\$	369,248
43rd Ave E	1.28	\$	31,677
43rd Ave W	0.62	\$	524,769
44th Ave E	0.73	\$	483,124
44th Ave W	0.45	\$	112,930
45th Ave E	1.16	\$	650,969
45th Ave W	0.10	\$	19,075
46th Ave E	0.60	\$	180,053
46th Ave W	0.65	\$	235,547
46th Ave W Conn	0.12	\$	99,204
47th Ave E	1.29	\$	140,319
47th Ave W	0.34	\$	130,381
48th Ave E	0.65	\$	181,043
48th Ave W	0.27	\$	112,622
49th Ave E	0.55	\$	168,365
49th Ave W	0.10	\$	7,120
4th Ave E	0.65	\$	140,149
4th Ave W	0.38	\$	607,527
4th St	4.80	\$	5,911,503
50th Ave E	0.69	\$	357,097
50th Ave W	0.98	\$	702,048
51st Ave E	1.31	\$	668,116
51st Ave W	0.09	\$	5,793
52nd Ave E	1.43	\$	47,577
52nd Ave W	0.27	\$	5,238
53rd Ave E	0.72	\$	708,273
53rd Ave W	0.36	\$	447,055
54th Ave E	0.91	\$	596,275
54th Ave W	0.27	\$	397
55th Ave E	0.08	\$	144,658
56th Ave E	0.11	\$	12,670

56th Ave W	0.90	\$	1,515,573
57th Ave E	0.36	\$	330,516
57th Ave W	1.01	\$	1,044,839
58th Ave E	0.58	\$	132,824
58th Ave W	0.97	\$	707,449
59th Ave E	0.08	\$	47,954
59th Ave W	1.01	\$	1,011,067
59th Ave W (Divided)	0.72	\$	851,281
5th Ave E	0.55	\$	1,203,258
5th Ave W	0.72	\$	357,168
5th Ave W (Divided)	0.12	\$	577,859
5th St	5.50	\$	6,904,314
60th Ave E	0.52	\$	528,797
60th Ave W	0.77	\$	619,973
61st Ave E	0.19	\$	415,856
61st Ave W	0.90	\$	247,651
62nd Ave E	0.10	\$	2,267
62nd Ave W	0.75	\$	258,903
63rd Ave W	1.41	\$	2,160,066
64th Ave W	1.12	\$	1,380,074
65th Ave W	0.77	\$	739,663
66th Ave W	0.71	\$	630,925
67th Ave W	0.52	\$	229,235
68th Ave W	0.15	\$	208,020
69th Ave E	0.04	\$	1,920
69th Ave W	0.26	\$	16,073
6th Ave E	0.73	\$	408,192
6th Ave W	0.32	\$	526,078
6th St	5.02	\$	2,915,911
70th Ave W	0.32	\$	389,893
7-1/2 Ave W	0.02	\$	51,824
71st Ave E	0.10	\$	7,543
71st Ave W	0.52	\$	134,098
72nd Ave E	0.13	\$	4,225
72nd Ave W	0.34	\$	365,243
73rd Ave W	0.09	\$	134,686
75th Ave W	0.20	\$	8,900
76th Ave W	0.23	\$	62,697
77th Ave W	0.87	\$	76,977
78th Ave E	0.34	\$	22,372
78th Ave W	0.23	\$	431,228
79th Ave E	0.11	\$	6,133
79th Ave W	0.64	\$	115,568
7th Ave E	1.41	\$	647,899
7th Ave W	0.07	\$	60,901
7th St	4.26	\$	3,044,054
80th Ave E	0.14	\$	3,218
80th Ave W	0.28	\$	615,989
81st Ave W	0.76	\$	336,913
82nd Ave W	0.08	\$	4,215
83rd Ave W	0.26	\$	4,199
84th Ave W	0.46	\$	709,675

85th Ave W	0.67	\$	1,175,050
86th Ave W	0.38	\$	869,439
87th Ave W	1.19	\$	1,785,339
88th Ave W	1.36	\$	1,289,280
89th Ave W	0.41	\$	474,820
8th Ave E	1.17	\$	687,569
8th Ave W	0.45	\$	426,670
8th St	4.99	\$	6,328,590
90th Ave E	0.13	\$	235,244
90th Ave W	0.49	\$	580,845
91st Ave E	0.12	\$	4,508
91st Ave W	0.36	\$	479,630
92nd Ave W	0.42	\$	744,416
93rd Ave W	0.67	\$	397,868
94th Ave W	0.16	\$	210,710
95th Ave W	0.46	\$	566,421
96th Ave E	0.03	\$	1,618
96th Ave W	0.77	\$	1,393,818
97th Ave W	0.99	\$	1,472,950
98th Ave W	1.01	\$	1,774,832
99th Ave W	1.10	\$	1,977,957
9th Ave E	0.99	\$	449,058
9th Ave W	0.20	\$	523,998
9th St	2.92	\$	4,447,338
Abbotsford Ave	0.19	\$	132,311
Access Rd	0.25	\$	156,792
Acre St	0.09	\$	233,489
Adirondack St	0.47	\$	525,824
Airpark Blvd	1.40	\$	727,996
Airport Approach Rd	0.54	\$	100,068
Airport Rd	1.83	\$	368,946
Albion St	0.14	\$	252,800
Alden Ave	0.14	\$	250,693
Alexander St	0.07	\$	42,032
Allegheny St	0.22	\$	301,609
Allendale Ave	0.86	\$	302,347
Amity St	0.18	\$	53,392
Anderson Rd	1.82	\$	232,167
Andrew St	0.08	\$	142,902
Anna St	0.13	\$	7,179
Anoka St	1.00	\$	277,187
Anson Ave	0.15	\$	3,613
Appalachian Ave	0.18	\$	333,345
Appalachian St	0.15	\$	302,026
Apple Ridge Dr	0.29	\$	751,940
Arbor St	0.20	\$	152
Arrowhead Rd	1.69	\$	1,984,745
Arrowhead Rd (Divided)	1.50	\$	85,222
Artavia St	0.29	\$	640,005
Asbury Dr	0.25	\$	656,806
Ash St	0.14	\$	4,760
Aspen Ln	0.37	\$	97,677

Atlantic Ave	0.38	\$	579,133
Austin St	0.75	\$	451,291
Avondale St	0.68	\$	501,038
Bald Eagle Trail	0.25	\$	7,322
Basswood Ave	1.07	\$	2,111,855
Batavia St	0.10	\$	181,876
Bay Breeze Bend	0.06	\$	193
Bayhill Dr	0.60	\$	221,854
Bayhill Tr	0.10	\$	326
Baylis St	0.28	\$	148,967
Bayview Ave	0.10	\$	90,176
Beaudry St	0.13	\$	60,697
Beede Rd	0.22	\$	403,778
Bel Aire Ave	0.12	\$	73,004
Bellis St	0.11	\$	5,513
Belmont Rd	0.21	\$	403,146
Berkeley Rd	0.12	\$	81,679
Berwick Cir	0.05	\$	139,110
Berwick Ct	0.16	\$	394,017
Bessemer St	0.09	\$	227,590
Beverly St	0.31	\$	100,068
Birch Ave	0.12	\$	270,917
Birchwood Rd	0.06	\$	157,298
Blackman Ave	1.70	\$	923,968
Boreal Cir	0.03	\$	2,069
Boulevard Pl	0.33	\$	141,158
Boundary Ave	0.37	\$	822,021
Bowser St	0.21	\$	456,304
Boyd Ave	0.18	\$	353,553
Brainerd Ave	0.63	\$	587,409
Branch St	0.69	\$	277,957
Brighton Beach Rd	0.82	\$	245,944
Brighton St	0.54	\$	30,219
Bristol St	0.50	\$	276,331
Broadwing Dr	0.15	\$	10,157
Brook St	0.25	\$	280,722
Brookline St	0.12	\$	277,659
Bruce St	0.22	\$	71,024
Buchanan St	0.05	\$	133,440
Buffalo St	1.12	\$	874,942
Bullitt St	0.12	\$	6,880
Burning Tree Rd	0.71	\$	598,776
Butte Ave	0.09	\$	321
Butternut Ave	0.16	\$	115,043
Bylund Rd	0.10	\$	148,309
Caldwell St	0.28	\$	23,803
Cambridge St	0.22	\$	65,994
Canal Park Dr	0.41	\$	53,866
Cant Rd	0.19	\$	40,470
Cardigan St	0.29	\$	91,448
Carlisle Ave	0.39	\$	8,873
Carlton St	0.48	\$	437,568

Carroll St	0.24	\$	50,690
Carterett St	0.10	\$	93,957
Carver Ave	0.32	\$	104,673
Cascade St	0.10	\$	192,198
Cascade St (E) & (N)	0.14	\$	75,158
Cascade St (S) & (E)	0.08	\$	216,284
Cass St	0.06	\$	92,132
Catherine St	0.20	\$	48,198
Cato Ave	0.13	\$	992
Catskill St	0.27	\$	450,300
Cedar Ave	0.08	\$	141,849
Cedar Gate Cir	0.06	\$	40,607
Celia St	0.17	\$	340,262
Central Ave	1.50	\$	336,382
Central Entrance Dr	0.45	\$	151,063
Central Pl	0.07	\$	2,792
Chambersburg Ave	1.59	\$	3,611,854
Chambersburg Dr	0.42	\$	201,053
Charles Ave	0.12	\$	327,105
Charlotte Pl	0.07	\$	146,378
Chase Ave	0.22	\$	262,912
Cherie Ln	0.26	\$	674,291
Chester Bowl Dr	0.31	\$	700,256
Chester Park Dr	0.54	\$	1,102,910
Chester Pkwy	0.20	\$	406,587
Chester Way	0.15	\$	7,705
Chestnut St	0.23	\$	124,341
Chinook Dr	0.45	\$	163,688
Chisholm St	0.57	\$	705,968
Church Pl	0.12	\$	273,445
Clark Ct	0.07	\$	192,742
Clay St	0.26	\$	334,357
Claymore St	0.93	\$	220,562
Clearwater Ct	0.04	\$	86,900
Clearwood Dr	0.16	\$	8,438
Cleveland St	0.32	\$	333,253
Cliff Ave	0.38	\$	237,948
Clover St	0.25	\$	154,463
Clyde Ave	0.52	\$	979,220
Cody St	0.19	\$	858,677
Cody St (Divided)	0.67	\$	169,529
Coffee Creek Blvd	0.99	\$	320,257
Colby Ave	0.31	\$	8,704
Coleman St	0.48	\$	54,174
College St	1.20	\$	3,234,915
Colman Ave	0.18	\$	109,878
Colorado St	1.12	\$	401,374
Columbia St	0.14	\$	254,204
Columbus Ave	0.61	\$	37,396
Commonwealth Ave	1.25	\$	1,966,205
Como Ave	0.72	\$	427,738
Concord St	0.30	\$	332,078

Congdon Blvd	4.40	\$	9,780,162
Congdon Park Dr	0.83	\$	42,136
Cooke St	0.80	\$	418,693
Cottage Ave	0.08	\$	181,173
Cottonwood Ave	0.26	\$	196,971
Courtland St	0.66	\$	1,846,353
Covent Pl	0.09	\$	167,831
Cramer Ave	0.03	\$	62,182
Creeside Cir	0.13	\$	8,764
Crescent View Ave	0.38	\$	71,563
Crestline Ct	0.31	\$	569,502
Crosley Ave	0.72	\$	1,703,240
Crystal Dr	0.28	\$	194,493
Dakota Ave	0.14	\$	56,702
Dale Pl	0.07	\$	153,787
Day Break Overlook	0.07	\$	15,847
Decker Rd	1.51	\$	156,654
Deer Valley Rd	0.25	\$	104,285
Deerwood St	0.12	\$	72,739
Denim Dr	0.12	\$	84,947
Denim St	0.09	\$	65,472
Denney Dr	0.30	\$	178,920
Depot Access Rd	0.17	\$	52,938
Desota St	0.05	\$	1,512
Devonshire St	0.28	\$	241,868
Diamond Ave	0.13	\$	112,404
Dickerman Ave	0.10	\$	65,348
Dickson St	0.74	\$	1,508,865
Dodge Ave	0.18	\$	126,967
Dodge St	1.14	\$	779,876
Don Avon St	0.07	\$	121,028
Douglas Ave	0.06	\$	91,851
Drava Ct	0.16	\$	89,823
Dunedin Ave	0.74	\$	703,468
Earl St	0.18	\$	119,237
Ebony Ave	0.46	\$	1,074,576
Echo Ln	0.06	\$	43,320
Eden Ln	0.07	\$	135,529
Edward St	0.26	\$	476,133
Eileen Ave	0.09	\$	190,864
Eklund Ave	0.54	\$	1,092,623
Elinor St	0.66	\$	1,282,208
Elizabeth St	0.19	\$	2,738
Elk St	0.69	\$	1,270,671
Elm St	0.04	\$	1,338
Elysian Ave	0.49	\$	179,346
Endeavor Dr	0.11	\$	11,456
Enger Tower Dr	0.25	\$	550,683
England Ave	0.07	\$	241
Englewood Dr	0.20	\$	11,360
Ensign St	0.47	\$	389,400
Enterprise Cir	0.35	\$	1,030,300

Erickson Rd	0.13	\$	185,948
Esther Ave	0.06	\$	112,004
Ethel Ave	0.11	\$	150,100
Everett St	0.57	\$	9,180
Evergreen Rd	0.51	\$	11,871
Ewing Ave	0.59	\$	179,777
Exeter St	0.28	\$	566,084
Exhibition Dr	0.27	\$	626,523
Fairmont St	0.23	\$	171,139
Falcon St	0.46	\$	1,194,936
Faribault Rd	0.23	\$	13,083
Faribault St	0.97	\$	646,464
Farley Ln	0.27	\$	180,828
Farrell Rd	0.36	\$	804,325
Fay Ave	0.07	\$	132,369
Featherstone Dr	0.08	\$	16,348
Featherstone Ln	0.09	\$	56,263
Fern Ave	0.65	\$	664,175
Fillmore St	0.07	\$	155,472
Florence Ave	0.10	\$	211,931
Florine St	0.17	\$	377,515
Foster Ave	0.11	\$	231,347
Fountain Gate Dr	0.15	\$	105,156
Frederick St	0.51	\$	16,760
Fremont St	0.47	\$	133,287
Front St	0.01	\$	160
Frontage Rd-Hardees	0.19	\$	12,720
Garden St	0.40	\$	885,221
Garfield Ave	2.11	\$	352,276
Gary St	1.50	\$	1,181,972
Gearhart St	0.24	\$	635,090
Gilead St	0.53	\$	1,048,664
Gilliat St	0.40	\$	66,021
Gladstone St	0.92	\$	219,856
Glen Pl	0.24	\$	621,818
Glencrest Ct	0.09	\$	126,119
Glendale St	0.54	\$	2,283
Glenview Ct	0.08	\$	101,260
Glenwood Cir	0.04	\$	76,542
Glenwood St	2.63	\$	24,945
Godolphin St	0.03	\$	562
Gogebic St	0.37	\$	629,823
Gold St	0.14	\$	3,253
Goodhue St	0.34	\$	482,988
Gordon St	0.24	\$	5,587
Grace St	0.18	\$	75,166
Grand Ave	1.92	\$	9,857,537
Grand Ave Pl	0.33	\$	176,729
Grand Forks Ave	0.24	\$	4,751
Grandview Ave	0.35	\$	640,427
Greene St	0.40	\$	11,672
Greenwood Ln	0.14	\$	7,805

Greysolon Pl	0.30	\$	15,755
Greysolon Rd	1.71	\$	932,465
Griggs Pl	0.07	\$	2,936
Grove St	0.04	\$	98,171
Hagberg St	0.63	\$	375,408
Halsey St	0.14	\$	131,842
Hanford Ave	0.26	\$	687,493
Hank Jensen Dr	0.46	\$	18,613
Harbor Dr	0.40	\$	1,781,397
Harbor Highlands Dr	0.22	\$	53,328
Harbor Highlands Dr E	0.13	\$	60,473
Harbor Point Cir	0.05	\$	19,312
Harding Ave	0.06	\$	41,085
Hardy St	0.15	\$	38,244
Hartley Dr	0.37	\$	21,045
Hartley Ln	0.07	\$	161,371
Hartley Pl	0.08	\$	169,376
Hartley Rd	0.33	\$	70,047
Harvard Ave	0.25	\$	86,302
Harvey St	0.63	\$	600,260
Hastings Dr	0.24	\$	15,505
Hawkins St	0.13	\$	325,410
Hawthorne Rd	0.78	\$	48,463
Hazel St	0.11	\$	3,120
Heard St	0.61	\$	1,360,064
Heather Ave	0.21	\$	122,736
Helberg Dr	0.75	\$	35,816
Helm St	0.34	\$	5,061
Hemphill Ave	0.04	\$	79,948
Herman Ave	0.15	\$	166,848
Hickory St	0.39	\$	253,631
High Park Rd	0.07	\$	151,680
High St	0.43	\$	322,983
Highland St	0.13	\$	59,679
Hillcrest Dr	0.60	\$	1,276,324
Hilton St	0.54	\$	1,093,869
Holland Ave	0.18	\$	200,313
Hoover St	0.25	\$	256,718
House St	0.57	\$	1,044,626
Hovland Ln	0.09	\$	2,235
Howtz St	0.28	\$	232,857
Hubbell St	0.15	\$	123,885
Hudson Blvd	0.35	\$	375,114
Hugo Ave	0.45	\$	268,722
Hulett Ave	0.05	\$	105,333
Humes Ave	0.06	\$	129,771
Huntington St	0.32	\$	417,970
Hutchinson Rd	1.87	\$	4,020,117
Idaho St	0.74	\$	765,457
Ideal St	1.01	\$	1,827,987
Idlewild St	0.46	\$	6,529
Industrial Ave	0.19	\$	645

Irving Pl	0.17	\$	310,277
Irwin Ave	0.27	\$	13,189
Isanti St	0.22	\$	41,282
Ivanhoe St	0.45	\$	13,199
Ivy St	0.26	\$	180,998
Jay St	0.94	\$	809,278
Jefferson St	1.43	\$	1,114,337
Jenswold St	0.04	\$	170,710
Jill St	0.15	\$	395,211
Joshua Ave	0.44	\$	291,668
Joshua Ave (Divided)	0.14	\$	102,808
Junction Ave	0.24	\$	220,280
Juniata St	0.54	\$	733,824
Karl Ave	0.46	\$	461,612
Keene Ave	0.07	\$	2,290
Kelly St	0.06	\$	161,230
Kenilworth Ave	0.54	\$	120,899
Kent Rd	0.68	\$	322,990
Kenwood Ave	1.46	\$	5,589,197
Kenwood Dr	0.43	\$	156,342
King St	0.12	\$	5,886
Kingston St	0.48	\$	1,239,141
Kinnear Pl	0.06	\$	156,104
Kissel Ave	0.14	\$	4,862
Knowlton Blvd	0.34	\$	143,553
Kolstad Ave	0.86	\$	345,084
Krueger Jct	0.16	\$	354,763
Krueger Rd	1.57	\$	3,498,752
Lake Ave	2.25	\$	3,921,842
Lake Place Dr	0.16	\$	112,521
Lakeside Ct	0.10	\$	150,416
Lakeview Ave	0.20	\$	113,856
Lakeview Dr	0.29	\$	540,009
Lakeview Dr (Divided)	0.42	\$	146,517
Lakewood Rd	0.41	\$	9,344
Lanigan Blvd	0.12	\$	111,302
Laurie St	0.12	\$	6,699
Lawn St	0.54	\$	1,155,963
Leicester Ave	0.60	\$	508,146
Lemon St	0.19	\$	79,406
Lenroot St	0.34	\$	304,427
Leonard St	0.44	\$	132,720
Lester St	0.09	\$	2,485
Lesure St	0.23	\$	157,450
Lewis St	0.42	\$	516,445
Lexington St	0.29	\$	497,146
Lillian Ave	0.09	\$	51,915
Lincoln Ave	0.02	\$	37,288
Lincoln Park Dr	0.54	\$	1,073,557
Lincoln Pkwy	0.30	\$	469,436
Linden St	0.27	\$	565,324
Linzie Rd	0.25	\$	1,691

Livingston Ave	0.68	\$	19,819
Lochaire Ave	0.33	\$	294,947
Locust St	0.65	\$	1,210,915
Lombard St	0.24	\$	172,642
London Rd	0.99	\$	2,070,089
London Rd (Divided)	0.41	\$	558,725
Luverne St	0.35	\$	15,209
Lyman St	0.13	\$	263,404
Lyons St	0.37	\$	161,511
MacFarlane Rd	0.59	\$	33,391
Main St	0.77	\$	356,722
Mall Dr	1.22	\$	1,113,077
Mallard Ln	0.09	\$	2,800
Manitou St	0.12	\$	2,464
Mankato St	0.75	\$	529,232
Maple Bend Dr	0.26	\$	169,094
Maple Grove Rd	1.23	\$	230,500
Marble St	1.15	\$	1,040,582
Marine Ct	0.05	\$	174
Marion St	0.09	\$	5,291
Marshall St	0.45	\$	198,365
Martha St	0.29	\$	209,988
Maryland St	0.50	\$	485,386
Matterhorn Cir	0.07	\$	4,567
Matterhorn Dr	0.25	\$	174,281
Maxwell Ave	0.62	\$	17,773
Maxwell Rd	0.19	\$	93,625
McCuen St	0.10	\$	222,885
McCulloch St	0.77	\$	125,079
McDonnell Rd	1.51	\$	1,126,400
McGonagle St	0.69	\$	1,464,309
Meadow St	0.12	\$	345,493
Medina St	0.38	\$	506,142
Mellwood Ave	0.26	\$	669,990
Melrose Ave	0.22	\$	363,328
Mesaba Ave (Divided)	0.35	\$	58,383
Mesaba Pl	0.03	\$	48,875
Michigan Ave	0.35	\$	702,925
Michigan St	4.33	\$	4,084,675
Michigan St (Lower)	0.61	\$	1,502,313
Middle Ln	0.30	\$	769,548
Middle Rd	0.50	\$	2,979
Midway Ave	0.32	\$	579,435
Mike Colalillo Dr	0.58	\$	416,203
Milford St	0.09	\$	30,196
Mill Ave	0.31	\$	153,739
Miller Creek Dr	0.33	\$	147,446
Mineral St	0.11	\$	6,283
Minneapolis Ave	1.00	\$	911,039
Minnesota Ave	4.30	\$	3,031,776
Misquah Rd	0.13	\$	337
Mission Creek Pkwy	0.20	\$	2,851

Mississippi Ave	0.65	\$	256,935
Missouri Ave	0.43	\$	754,889
Monson Pl	0.09	\$	2,645
Morgan St	1.21	\$	2,682,208
Morley Pkwy	0.21	\$	276,047
Morley Pkwy (Divided)	0.14	\$	2,832
Morningside Ave	0.44	\$	1,147,115
Morris Ave	0.03	\$	702
Morse St	0.09	\$	27,150
Mountain Shadow Dr	0.25	\$	125,579
Mulberry St	0.39	\$	903,883
Myers Ave	0.19	\$	221,130
Mygatt Ave	0.25	\$	381,998
Myrtle Pl	0.06	\$	116,639
Myrtle St	0.90	\$	1,528,565
Myrtle St (Conn)	0.06	\$	196,552
Nanticoke St	0.60	\$	1,229,767
Nashua St	0.29	\$	47,942
Natchez St	0.15	\$	217,478
Nelson Ave	0.03	\$	1,813
New St	0.08	\$	180,752
Niagara St	0.56	\$	796,849
Nick Glumac Dr	0.32	\$	94,517
Nicollet St	0.56	\$	286,069
Nighthawk Ln	0.12	\$	5,751
North Rd	0.51	\$	510,927
North Ridge Dr	0.43	\$	300,531
North Ridge Ln	0.05	\$	32,382
North Ridge Rd	0.25	\$	177,471
Northfield St	0.28	\$	278,888
Northland Ave	0.14	\$	8,771
Norton Rd	2.23	\$	4,964,992
Norton St	0.24	\$	103,016
Norwood St	0.87	\$	510,981
Oak Bend Dr	0.38	\$	263,515
Oak St	0.28	\$	14,859
Oakley St	1.16	\$	977,983
Observation Rd	0.92	\$	51,627
Occidental Blvd	0.43	\$	875,180
Old Grand Ave	0.20	\$	69,192
Old Howard Mill Rd	0.73	\$	274,797
Olive St	0.25	\$	513,289
Olney St	0.36	\$	50,036
Oneida St	1.29	\$	799,761
Oneota St	0.76	\$	352,113
Oneota St Alley	0.21	\$	14,720
Orange St	1.98	\$	1,583,884
Orchard St	0.32	\$	423,333
Oregon Ave	0.22	\$	42,013
Osage Ave	0.16	\$	304,764
Osakis St	0.22	\$	8,770
Otsego St	1.14	\$	384,011

Owatonna St	1.01	\$	414,763
Oxford St	0.76	\$	344,022
Ozark St	0.23	\$	378,779
Pacific Ave	0.41	\$	505,616
Paducah Pl	0.03	\$	1,685
Page St	0.69	\$	275,552
Paine Farm Rd	0.23	\$	81,309
Palisade Cir	0.01	\$	6,925
Palisade Dr	0.68	\$	409,521
Palm St	1.00	\$	606,865
Park Pl	0.13	\$	2,951
Park St	0.25	\$	548,576
Parkland Ave	0.16	\$	380,675
Parkwood Ln	0.55	\$	84,607
Partridge St	0.23	\$	601,172
Patterson St	0.20	\$	102,051
Peabody Ln	0.22	\$	559,882
Peabody St	0.74	\$	1,021,997
Peace Dr	0.20	\$	23,724
Peary St	0.60	\$	912,475
Pecan Ave	0.44	\$	2,867
Penton Blvd	0.14	\$	2,232
Perch Lake Dr	0.35	\$	524,700
Peregrine Cir	0.03	\$	109
Pershing St	0.25	\$	174,149
Petre St	0.13	\$	156,999
Piedmont Ave	0.99	\$	1,374,921
Pine Ave	0.21	\$	212,243
Pineview Ave	0.11	\$	232,120
Pinewood Ln	0.14	\$	111,092
Pitt St	0.89	\$	231,540
Pittsburgh Ave	0.26	\$	569,221
Pizarro St	0.21	\$	86,270
Pleasant Ave	0.16	\$	5,314
Pleasant View Rd	1.40	\$	2,857
Plum St	0.38	\$	608,826
Plymouth Ave	0.15	\$	312,068
Polk St	0.43	\$	179,729
Ponderosa Ave	0.32	\$	43,257
Ponderosa Cir	0.38	\$	981,759
Port Terminal Rd	1.03	\$	3,256,309
Portage Dr	0.34	\$	238,862
Portal Ave	0.13	\$	118,644
Prescott St	0.29	\$	638,952
Priley Dr	0.16	\$	364,453
Prince St	0.22	\$	155,129
Princeton Pl	0.11	\$	60,953
Proco Ct	0.14	\$	261,911
Prosperity Rd	0.35	\$	779,045
Providence Rd	0.20	\$	513,184
Pulaski St	0.68	\$	381,043
Quebec Ave	0.02	\$	10,650

Queen St	0.03	\$	1,556
Quince St	0.54	\$	401,471
Railroad St	0.64	\$	571,862
Railroad St (Divided)	0.47	\$	604,821
Rainbow St	0.25	\$	548,997
Raleigh St	1.02	\$	2,601,885
Ramsey St	0.43	\$	933,483
Recycle Way	0.20	\$	182,061
Red Rock Tr	0.15	\$	3,206
Redbud St	0.21	\$	554,475
Redruth St	1.06	\$	280,859
Redtail Dr	0.06	\$	2,091
Redwing St	1.00	\$	238,083
Regent St	0.56	\$	87,761
Reis St	0.42	\$	805,624
Rendle Ave	0.40	\$	206,571
Restormel St	0.41	\$	660,973
Ridge View Rd	1.40	\$	276,225
Ridgewood Rd	1.04	\$	70,432
Rindal Ln	0.04	\$	1,061
Riveness Rd	0.18	\$	335,662
Riverside Dr	0.24	\$	7,782
Riverview Ave	0.04	\$	146
Robert Ct	0.05	\$	76,402
Robin Ave	0.86	\$	1,477,069
Robinson St	0.63	\$	83,289
Rockridge Cir	0.07	\$	222
Rockview Ct (E-W Segment)	0.19	\$	359,187
Rockview Ct (N-S Segment)	0.10	\$	6,695
Roosevelt St	0.43	\$	11,621
Rose St	0.24	\$	362,066
Roslyn Ave	0.28	\$	570,836
Rustwood Ln	0.16	\$	410,449
Sawyer Ave	0.13	\$	79,066
Seaver Ave	0.21	\$	547,101
Selkirk St	0.15	\$	94,940
Serenity Cove	0.15	\$	6,528
Seven Bridges Rd	1.41	\$	198,213
Sherburne St	0.31	\$	199,705
Shrubland Ave	0.08	\$	1,969
Silcox Ave	0.19	\$	571
Silver Fox Cir	0.02	\$	16,679
Sitka St	0.08	\$	200,063
Skyline Pkwy	17.60	\$	6,030,378
Skywood Ln	0.13	\$	345,564
Snelling Ave	0.25	\$	150,520
Snowy Owl Cir	0.15	\$	449,984
Sockeye Dr	0.09	\$	62,824
Somerset Ave	0.04	\$	15,450
South Rd	0.50	\$	195,817
South Ridge Rd	0.53	\$	1,271,215
South St	0.61	\$	345,575

Sparkman Ave	0.31	\$	370,338
Spear Ave	0.20	\$	119,734
Spear Ave Alley	0.07	\$	162
Spirit Cove Dr	0.22	\$	93,341
Spirit Dr	0.13	\$	102,840
Spring St	0.26	\$	61,365
Springhill Dr	0.25	\$	176,800
Springvale Ct	0.19	\$	357,782
Springvale Rd	1.01	\$	1,442,934
St. Andrews St	0.46	\$	52,648
St. Benedict St	0.05	\$	132,193
St. Johns Ave	0.08	\$	208,420
St. Louis Ave	0.33	\$	140,816
St. Louis Ct	0.12	\$	376
St. Louis River Rd	1.31	\$	73,717
St. Marie St	0.80	\$	484,656
St. Paul Ave	0.40	\$	234,742
Stanford Ave	0.73	\$	1,370,713
Stowe St	0.34	\$	684,526
Stroll Ave	0.19	\$	380,815
Stuart Ct	0.13	\$	255,679
Sundby Rd	1.11	\$	62,251
Sunnyside St	0.15	\$	539
Superior St	13.83	\$	28,191,791
Sussex Ave	0.27	\$	63,636
Sutphin St	0.04	\$	36,771
Swan Lake Pl	0.05	\$	104,104
Swan Lake Rd	2.58	\$	2,213,786
Swenson Ave	0.35	\$	381,305
Tacony St	0.51	\$	854,351
Talmadge Cir	0.02	\$	62,550
Teak Ave	0.16	\$	205,025
Technology Dr	0.23	\$	10,960
Terminal Ave	0.17	\$	1,515
Terrace St	0.25	\$	306,939
Thompson St	0.08	\$	2,775
Thurber Rd	0.51	\$	6,532
Timberline Ln	0.20	\$	506,302
Tioga Ave	0.07	\$	177,943
Tioga St	1.47	\$	603,232
Toledo St	0.79	\$	1,721,076
Traders Ct	0.05	\$	68,256
Trail Dr	0.18	\$	480,671
Triggs Ave	0.31	\$	210,506
Trinity Ct	0.08	\$	140,444
Truck Center Dr	0.25	\$	305,815
Trudeau Rd	0.23	\$	515,712
Twin Creeks Cir	0.09	\$	59,508
Tyrol St	0.27	\$	712,966
Union St	0.11	\$	1,447
Upham Rd	0.36	\$	5,567
Valhalla Dr	0.32	\$	870,510

Valley Dr	0.60	\$	270,548
Valley View Ln	0.05	\$	144
Vassar St	0.21	\$	307,012
Venture Ave	0.23	\$	609,529
Venture Cir	0.08	\$	5,144
Vermilion Rd	3.49	\$	4,986,397
Vernon St	0.47	\$	325,486
Victoria St	0.19	\$	6,274
Viewcrest Ave	0.03	\$	118
Village View Dr	0.24	\$	9,104
Vinland St	1.46	\$	34,482
Vista View Ln	0.07	\$	218
Voss Ave	0.13	\$	3,998
Wabasha Rd	0.25	\$	13,952
Wabasha St	0.75	\$	335,495
Wadena St	0.63	\$	90,620
Walnut St	0.24	\$	363,927
Warren Ave	0.18	\$	404,480
Warwick St	0.11	\$	246,059
Waseca Industrial Rd	1.06	\$	142,136
Waseca St	0.27	\$	71,078
Water St	0.94	\$	951,080
Waverly Ave	0.58	\$	183,583
Waverly Pl	0.14	\$	85,730
Wellington St	0.37	\$	478,489
West Pl	0.06	\$	38,283
Westgate Blvd	1.09	\$	610,870
Whittier St	0.52	\$	714,011
Wicklow St	0.24	\$	511,288
Wilbur St	0.11	\$	122,187
Wildberry Cir	0.02	\$	57,635
Wildwood Dr	0.16	\$	111,602
Wilkyns Ave	0.12	\$	275,131
Willow St	0.50	\$	1,023,103
Winnipeg Ave	0.47	\$	886,863
Winona Rd	0.25	\$	14,139
Winona St	0.75	\$	379,463
Woodbury Ln	0.37	\$	952,143
Woodcrest Dr	0.10	\$	57,141
Woodhaven Ln	0.38	\$	998,349
Woodland Ave	2.60	\$	367,416
Woodlawn St	0.27	\$	187,137
Woodrich Cir	0.15	\$	107,087
Worth St	0.10	\$	2,955
Wren Dr	0.20	\$	138,232
Wyoming St	0.70	\$	445,649
Yosemite Ave	0.42	\$	960,113
Zimmerly Ave	0.23	\$	409,606

452

\$

445,962,221

Miles

AreaSY

City of Duluth Street Improvement Program

Bridge List

BR NO	FACILITY CARRIED	FEATURE CROSSED	ESTIMATED COST	
5685	BNSF RR (ABAND)	MSAS 109(SUPERIOR ST)	\$	376,383
8975	MSAS 104(59TH AV)	KEENE CREEK	\$	510,000
9255	WASECA ST	BNSF RR	\$	349,450
69001	MSAS 147(SUPERIOR)	TISCHERS CREEK	\$	631,200
69607	RALEIGH ST	BNSF RR; KEENE CREEK	\$	797,900
69636	SKYLINE PARKWAY	KEENE CREEK	\$	44,500
69640	E SKYLINE	Amity Creek	\$	50,775
69654	E SKYLINE	AMITY CREEK	\$	57,675
69656	MAPLE GROVE ROAD	MILLER CREEK	\$	187,150
69671	E SKYLINE	AMITY CREEK	\$	44,700
69672	E SKYLINE	AMITY CREEK	\$	36,100
69679	LINCOLN PARK DRIVE	MILLER CREEK	\$	39,950
69697	SPRING ST	W. MUNGER STATE TRAIL	\$	92,150
69812	27 AVE W	BNSF RR	\$	1,688,705
69A08	GREENE ST	KEENE CREEK	\$	60,000
69J13	MSAS 119(RR ST)	STORM SEWER	\$	936,000
69J17	COLUMBUS AVE	TISCHERS CREEK	\$	36,000
69J33	8th Street	Lemagie Creek	\$	216,000
69J36	KENWOOD AVE	CHESTER CREEK	\$	828,000
69J43	GRAND AVE (MSAS 12	MERRITT CREEK	\$	1,440,000
69J44	ARROWHEAD RD	W BR TISCHER CREEK	\$	408,000
69J54	ANDERSON RD	MILLER CREEK	\$	108,000
69J90	MACFARLAND RD	CHESTER CREEK	\$	72,000
69K12	N 63RD AVE W	KEENE CREEK	\$	70,000
69K13	BRISTOL ST	KEENE CREEK	\$	100,000
69K15	TRIGGS AVE	CHESTER CREEK	\$	58,000
69K19	TOLEDO STREET	E BR CHESTER CREEK	\$	42,000
69X06	MAPLE GROVE ROAD	STREAM	\$	80,000
88069	ARROWHEAD RD	TISCHERS CREEK	\$	492,000
88231	ARROWHEAD RD	TISCHERS CREEK	\$	300,000
88547	LONDON RD	CHESTER CREEK	\$	2,112,000
88550	CENTRAL AVE	KEENE CREEK	\$	121,000
88552	3rd St. W-MSAS 126	MILLER CREEK	\$	87,500
91143	MSAS 126(3RD ST)	CHESTER CREEK	\$	465,000
91294	Mall Dr. -MSAS 178	MILLER CREEK	\$	612,000
92277A	26TH AVE W	MILLER CREEK	\$	600,000
92277B	26 AVE W	MILLER CREEK	\$	201,000
92277C	26 AVE W	MILLER CREEK	\$	414,000
92277D	26 AVE W	MILLER CREEK	\$	75,000
92277E	26 AVE W	MILLER CREEK	\$	408,000
92277F	26 AVE W	MILLER CREEK	\$	210,000

92277G	26 AVE W	MILLER CREEK	\$	885,000
92277H	26TH AVE W	MILLER CREEK	\$	258,000
92277I	26 AVE W	MILLER CREEK	\$	405,000
92277J	26TH AVENUE W	MILLER CREEK	\$	192,000
92277K	26 AVE W	MILLER CREEK	\$	687,000
93402	2 ST	CHESTER CREEK	\$	690,000
96026	MSAS 119(COMMERCE)	POND OUTLET	\$	1,344,000
96170	Decker St-MSAS 178	MILLER CREEK	\$	156,000
96919	1038(ABBOTSFORD)	TISCHERS CREEK	\$	150,000
97494	MSAS 108(WASECA)	KEENE CREEK	\$	744,000
L5930	ANNA ST	TISCHERS CREEK	\$	264,000
L5931	739(NIAGARA ST)	CHESTER CREEK	\$	312,000
L6007	SKYLINE PKWY	STEWART CREEK	\$	836,940
L6113	E 4 ST	TISCHERS CREEK	\$	269,700
L6114	MSAS 134(9TH ST)	CHESTER CREEK	\$	2,369,779
L6115	E SKYLINE	CHESTER CREEK	\$	258,987
L6116	MSAS 140(LAKE AVE)	SHIP CANAL	\$	14,000,000
L6120	MSAS 160(ARRWHD)	CHESTER CREEK	\$	492,000
L6122	E SUPERIOR ST	CHESTER CREEK	\$	1,260,000
L6123	MSAS 129(1ST ST)	CHESTER CREEK	\$	1,044,000
L6127	W SKYLINE	TWIN LAKE	\$	226,200
L6129	WOODLAND AVE	TISCHERS CREEK	\$	1,092,000
L8477	WEST 10TH ST	MILLER CREEK; STREET	\$	3,084,000
L8487	MUN 246(57 AV W)	KEENE CREEK	\$	498,000
L8491	38 AVE W	LEMAGIE CREEK	\$	192,000
L8497	MUN 284(7 ST)	LEMAGIE CREEK	\$	252,000
L8478	CHAMBERSBURG AVE	MILLER CREEK	\$	475,020
L8500	WESTGATE BLVD	KEENE CREEK	\$	816,000
L8503	E SKYLINE	AMITY CREEK	\$	469,560
L8505	E SKYLINE	AMITY CREEK	\$	527,280
L8506	E Skyline/MUN 712	AMITY CREEK	\$	1,063,920
L8507	E SKYLINE	AMITY CREEK	\$	556,920
L8511	ColumbusAve/MUN846	TISCHERS CREEK	\$	252,000
L8512	ColumbusAve/MUN846	TISCHERS CREEK	\$	450,000
L8513	ColumbusAve/MUN846	TISCHERS CREEK	\$	240,000
L8514	St. AndrewsMUN 921	TISCHERS CREEK	\$	276,000
L8515	LEWIS ST	TISCHERS CREEK	\$	624,000
L8516	FAIRMONT ST	TISCHERS CREEK	\$	800,000
L8517	VermillionRdMUN800	TISCHERS CREEK	\$	208,800
L8525	1066(93RD AVE W)	STEWART CREEK	\$	1,320,000
L9389	MUN 834(COLBY AV)	AMITY CREEK	\$	120,000
L9390	MUN 1278(AMITY ST)	AMITY CREEK	\$	120,000
L9419	MUN 919	TISCHERS CREEK	\$	174,000
L9558	MSAS 117(COLALILO)	STREAM	\$	498,000
R0084	Mtn. Shadow Dr.	MILLER CREEK	\$	390,000
Total: 85			\$	56,802,244

City of Duluth Street Improvement Program

Road Type	Road name	Project Description	Estimated Cost
MSAS/Local	Various	ADA accessibility improvements, sidewalks, Safe Routes to School project matches, safety upgrades at railroad crossings and intersections, guardrails, retaining walls that hold up roads and sidewalks	\$ 31,500,000
		Total	\$ 31,500,000