

# Village of Justice 2012 Pavement Assessment

## Introduction

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At the request of the Village of Justice Board Members, Hoefferte-Butler Engineering, Inc. re-assessed the various roadway pavements under the Village's jurisdiction. A previous pavement assessment was performed by our firm in 2009. Since the last assessment, there have been resurfacing projects and the total reconstruction of the Roberts Park Subdivision roadways; however, most of the Village's roadways have further deteriorated since 2009. Provided hereafter is an overall map of the Village's roadways, color-coded according to their ratings, as well as a Visual Pavement Condition Ratings List for your review.

## Assessment Procedures

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Staff from our firm visited each block within the Village for a visual inspection. The information gathered includes the approximate street widths and lengths, the amount and types of surface cracking, rutting, drivability, and any evidence of base failure that is revealed through the cracks in the surface.

After each inspection, points were deducted for each deficiency for the area surveyed, and subtracted from 100, resulting in the rating on the Visual Pavement Condition Ratings List.

## Condition Ratings

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The following rating descriptions can also be found in the Legend on the Pavement Assessment map:

**EXCELLENT (100-86):** ROADWAY IS GENERALLY FREE OF MAJOR OR MINOR DEFECTS; PAVEMENT IS SMOOTH AND FREE OF ANY BUMPS; ROADWAY HAS BEEN RECONSTRUCTED OR REPAVED WITHIN THE LAST 8 YEARS; WILL MAINTAIN ADEQUATE ROAD SURFACE FOR NEXT 10+ YEARS WITH REGULAR MAINTENANCE.

**GOOD (85-71):** ROADWAY IS BEGINNING TO EXHIBIT MINOR DEFECTS IN SURFACE, SUCH AS CRACKING AND/OR RAVELLING; PAVEMENT IS GENERALLY SMOOTH WITH MINOR BUMPS AT INTERMITTENT LOCATIONS; STREET HAS BEEN RECONSTRUCTED OR RAPAVED WITHIN THE LAST 8-12 YEARS; WILL MAINTAIN ADEQUATE ROAD SURFACE FOR NEXT 5-10 YEARS WITH REGULAR MAINTENANCE.

**FAIR (70-60):** ROADWAY EXHIBITS NUMEROUS MINOR DEFECTS AND SOME MAJOR DEFECTS, WHICH BEGIN TO AFFECT RIDEABILITY; MOTORISTS WILL BEGIN TO ENCOUNTER MAJOR BUMPS OR POT-HOLING IN DIFFERENT LOCATIONS; NEEDS SOME MAJOR MAINTENANCE WITHIN 2-3 YEARS TO PREVENT MAJOR RECONSTRUCTION IN THE MORE DISTANT FUTURE.

**POOR (BELOW 60):** ROADWAY HAS NUMEROUS AND MAJOR PAVEMENT DEFECTS THROUGHOUT, IS UNCOMFORTABLE, AND IN SEVERE CASES MAY BE NECESSARY TO DECREASE SPEED TO AVOID DAMAGE TO VEHICLE; NEEDS A MAJOR MAINTENANCE OPERATION OR MAJOR RECONSTRUCTION IMMEDIATELY.



Village of Justice  
2012  
Visual Pavement Condition Ratings

| <u>Street</u>        | <u>Limits</u>                       | <u>Approximate Length (Ft.)</u> | <u>Rating</u> |
|----------------------|-------------------------------------|---------------------------------|---------------|
| 85th St.             | Roberts.-150' E.of 78th Ct.         | 1125                            | 98            |
| 78th Ct.             | 83rd St - 87th St.                  | 2500                            | 98            |
| 79th Ct.             | 83rd St.- 87th St.                  | 2500                            | 98            |
| 86th St.             | Roberts - 150' E. of 78th Ct.       | 1125                            | 98            |
| 79th Ave.            | 83rd St.- 87th St.                  | 2500                            | 98            |
| 87th Ave.            | 71st.St. - 72nd St.                 | 650                             | 97            |
| Skyline Dr.          | All                                 | 2370                            | 95            |
| Arbor Ln.            | All                                 | 1430                            | 95            |
| Heather Trail        | Skyline Dr. - 150' SE. of Arbor Ln. | 1125                            | 95            |
| Maplewood Dr.        | All                                 | 560                             | 94            |
| 81st Ave.            | 84th Pl. - 85th Pl.                 | 600                             | 94            |
| 83rd Ave.(E. Half)   | 79th St.- 200' So. Of 79th St.      | 275                             | 94            |
| 86th Ct.             | 250 ft. S. of 71st -End             | 250                             | 92            |
| 83rd Pl.             | 81st. Ave.- 310' E. of 81st. Ave.   | 310                             | 92            |
| Heather Trail        | 150' SE. of Arbor Ln.-Archer Ave.   | 380                             | 92            |
| Cronin Ave.          | 470' N. of 76th Pl.-76th Pl.        | 455                             | 92            |
| 83rd Ct. (E. Half)   | 79th St. - 275' S. of 79th          | 275                             | 91            |
| 85th Pl.             | 81st Ave.-200' W. of Roberts        | 475                             | 91            |
| 84th Ct.             | 79th St.- 82nd St.                  | 1910                            | 90            |
| 81st St.             | Cork - Fawn Trail                   | 1910                            | 90            |
| 85th St.             | Tollway-Roberts Road                | 930                             | 89            |
| Oak Grove Ave.       | 75th St.-76th Pl.                   | 1090                            | 89            |
| 83rd Pl.             | 82nd Ave,-81st Ave..                | 610                             | 89            |
| 82nd Ct.(E. Half)    | 79th St.- 80th St.                  | 560                             | 86            |
| 84th Ct.             | 79th St.- Tollway                   | 1900                            | 86            |
| 85th St.             | Cork - 90th Ave.                    | 1250                            | 86            |
| Cronin Ave.          | 76th Pl.-Frontage                   | 1530                            | 85            |
| 81st Ave.            | 83rd St. - 83rd Pl.                 | 260                             | 85            |
| 76th Pl.             | 200' W of Oak Grove - Oak Grove     | 200                             | 84            |
| Banks St.            | Frontage - 76th Pl.                 | 1440                            | 84            |
| 83rd Pl.             | Roberts - 285' W. of Roberts        | 285                             | 84            |
| 85th Pl.             | 90th Ave.-Cork                      | 1250                            | 84            |
| 75th St. (S. Half)   | Cronin-Blazer                       | 300                             | 84            |
| 86th St.             | 90th Ave.-Cork                      | 1250                            | 83            |
| Blazer Ave.          | 75th St. - 200' S. of 75th          | 260                             | 82            |
| Christeen Dr.        | All                                 | 620                             | 82            |
| Cronin Ave.(E. Half) | 75th St.- 200' S. of 75th St.       | 200                             | 81            |
| Oak Grove Ave.       | 76th Pl.- Frontage                  | 1150                            | 80            |
| 84th St.             | 90th Ave.- Cork                     | 1250                            | 80            |
| 77th St.             | All                                 | 350                             | 80            |
| Garden Ln.           | 76th Pl.- Frontage                  | 1590                            | 79            |
| Blazer Ave.          | 76th Pl.- Frontage                  | 1530                            | 77            |
| 75th St.(S. Half)    | 150' W. of Banks- Cronin.           | 710                             | 77            |

|                              |   |           |                    |
|------------------------------|---|-----------|--------------------|
| 90th Ave.                    | 85th Pl.- 86th St.                      | 280       | 77                 |
| 81st St.                     | 85th Ave. - 86th Ct.                    | 1010      | 77                 |
| 84th Pl.                     | 81st Ave. - 82nd Ave.                   | 610       | 77                 |
| 75th St. (N. Half)           | Figura- 150' W. of Banks                | 225       | 77                 |
| 82nd Ave.                    | 83rd Pl.- 84th Pl.                      | 575       | 76                 |
| 85th Pl.                     | 150' W. of Roberts-Roberts              | 150       | 76                 |
| 75th St.(N. Half)            | 150' W. of Banks St. - 150' E. of Banks | 300       | 75                 |
| 75th St.                     | Cork - 86th Ave.                        | 1250      | 72                 |
| 90th Ave.                    | 83rd St. - 84th St.                     | 650       | 72                 |
| 82nd Ave.                    | 80th St.- 83rd St.                      | 1950      | 72                 |
| 84th St.                     | Roberts - 150 E. of 78th Ct.            | 1125      | 71                 |
| 83rd Pl.                     | 90th Ave.- Cork                         | 1250      | 70                 |
| 81st Ave. - <del>GRANT</del> | 83rd Pl.- 84th Pl.                      | 650       | 68 2014 CONTRACTOR |
| 76th Pl.                     | Oak Grove Ave - Cork                    | 500       | 68                 |
| 85th Ct.                     | Tollway- 83rd St.                       | 535       | 67                 |
| 75th St.                     | Oak Grove Ave. - 200' E. of Oak Grove   | 200       | 64                 |
| 84th Pl                      | 90th Ave.- Cork                         | 1250      | 64                 |
| Banks St.                    | 75th St. - 560' S. of 75th              | 560       | 64                 |
| Willow Drive                 | All - 2015 PATCHES - 450'               | 1070      | 64                 |
| 84th St. - <del>GRANT</del>  | 81st Ave.- Roberts Rd. - 82 AV          | 1200' 600 | 64 2014 CONTRACTOR |
| 90th Ave.                    | 84th St.- 85th Pl.                      | 1250      | 63                 |
| 83rd Ave. (W. Half)          | 79th St. -200' S. Of 79th St.           | 560       | 63                 |
| 82nd Ct.(W. Half)            | 79th St. - 80th St.                     | 560       | 62 DONE 2014       |
| 82nd St.                     | Daniel Dr.- Roberts                     | 485       | 61 DONE 2014 JUNE  |
| 84th Pl. - <del>GRANT</del>  | 81st Ave.- Roberts Rd.                  | 600       | 61 2014 CONTRACTOR |
| 73rd Pl.                     | Oak Grove - Cork Ave.                   | 500       | 61                 |
| 80th St.                     | 82nd. Ave.- 82nd Ct.                    | 260       | 60                 |
| 82nd Ct.                     | 80th St. - Tollway                      | 2525      | 60                 |
| 75th St.                     | 300' W. of Cork- Cork Ave.              | 300       | 59                 |
| Oak Grove Rd.                | 73rd Pl.- 75th St.                      | 900       | 59                 |
| 79th Pl.                     | All                                     | 640       | 59                 |
| 80th St.                     | 85th Ave.- 87th Ct.                     | 1865      | 59                 |
| 84th Ct.                     | Tollway - 83rd St.                      | 100       | 58 DONE 2015 Sept  |
| 83rd St.                     | Cork Ave. -1275' E. of Cork             | 275       | 58 JULY 2013       |
| 83rd Ave.                    | 200' S. of 79th St.-Tollway             | 2370      | 58                 |
| Thomas St.                   | All                                     | 1235      | 57                 |
| 86th Ct.                     | 83rd St. - Tollway                      | 890       | 56                 |
| Deerpath                     | All                                     | 640       | 55 DONE JULY 2013  |
| Oak Ridge Dr.                | All                                     | 640       | 55 DONE JULY 2013  |
| 83rd Ct. (W. Half)           | 79th St - 275' S. Of 79th               | 275       | 55                 |
| Banks St.                    | Blackstone- 73rd Pl.                    | 575       | 55                 |
| Fawn Trail                   | All                                     | 460       | 53 DONE JULY 2013  |
| 86th Ct.                     | 71st.St. -250' S. of 71st.              | 250       | 55                 |
| Cronin Ave.(W. Half)         | 75th St.- 200' S. of 75th               | 200       | 55                 |
| 75th St. (N. Half)           | Figura Dr.-150' E. of Garden Ln.        | 500       | 55 DONE 2014 JULY  |
| 75th St. (N. Half)           | Cronin-Blazer                           | 290       | 55 DONE 2014 JULY  |
| 75th St. (S. Half)           | Garden - 50' W. of Blackstone           | 240       | 55 DONE 2014 JULY  |
| Banks St.                    | 73rd Pl. - 75th St.                     | 950       | 54                 |
| 82nd St.                     | 82nd Ave. - 84th Ave.                   | 1250      | 54                 |
| Blackstone Ave.              | Banks - Oak Grove                       | 920       | 54                 |
| 72nd St.                     | 86th Ave. - Cork Ave.                   | 1250      | 53                 |

|                              |  |                      |  |
|------------------------------|--|----------------------|--|
| 84th Ave.                    | 79th St.- Tollway                              | 2250                 | 53                                     |
| Frontage Road                | 224' W. of Garden- Oak Grove Ave.              | 1990                 | 52                                     |
| Cork Ave. <i>FINISH 2015</i> | Archer - 75 th St. <i>(ARCHER - 76 PL) 76</i>  | 1800 <i>75' 900'</i> | 52 <i>DONE 2015 OCT HALF DONE 2013</i> |
| 81st St.                     | 82nd Ave. - 85th Ave.                          | 1900                 | 52                                     |
| 80th St.                     | 82nd Ct.- 84th Ct.                             | 1285                 | 52                                     |
| Indian Lane                  | All  | 250                  | 51                                     |
| Industrial Dr.               | All  | 600                  | 51 <i>DONE 2015</i>                    |
| 83rd Ct.                     | 275' S. of 79th - Tollway (100'-strip repaved) | 2150                 | 51                                     |
| Marion Dr.                   | All <i>400' EAST 1/3</i>                       | 1235                 | 51 <i>2014 JUNE</i>                    |
| 86th Ave.                    | 73rd Pl.- Archer                               | 1225                 | 51                                     |
| Cork Ave.                    | 71st St.-73rd Pl.                              | 1640                 | 50                                     |
| 85th Ave.                    | 83rd St.- Tollway                              | 1860                 | 50 <i>DONE 2015 SEPT</i>               |
| Cork Ave.                    | 75th St. - 73rd Pl.                            | 970                  | 50                                     |
| 76th Pl.                     | Blazer - 200' W. of Oak Grove                  | 665                  | 50                                     |
| 76th Pl.                     | Garden -Blazer                                 | 710                  | 49 <i>DONE 2015 AUG</i>                |
| Garden Ln.                   | 76th Pl. - 75th St.                            | 1025                 | 49 <i>DONE 2015 AUG</i>                |
| 80th St.                     | 87th Ct.-Tollway                               | 200                  | 49                                     |
| 71st St.                     | 86th Ave. - End                                | 970                  | 48                                     |
| 73rd St.                     | Cork Ave- 86th Ave.                            | 1250                 | 48                                     |
| Blazer Ave.                  | 76th Pl. - 300' S. of 75th St.                 | 300 <i>750</i>       | 48 <i>- DONE 2015 AUG</i>              |
| Blackstone Ave               | Figura Dr. - Banks                             | 1175                 | 47                                     |
| 86th Ave.                    | 73rd Pl. - 72nd St.                            | 900                  | 46                                     |
| 73rd Pl.                     | Maplewood - 86th Ave.                          | 370                  | 46                                     |
| Huntington Ct.               | All  | 200                  | 45 <i>DONE 2012</i>                    |
| 83rd St.                     | 82nd Ave.- Roberts                             | 1275                 | 45                                     |
| 82nd Ave.                    | 83rd St - 83rd Pl.                             | 310                  | 45 <i>DONE 2015 JULY</i>               |
| 75th St. (S. Half)           | 50' W. of Blackstone-Cronin                    | 150                  | 45 <i>DONE 2014 JULY</i>               |
| 80th St.                     | 300' W. of Roberts - 81st Ave.                 | 360                  | 44                                     |
| 82nd Pl.                     | All  | 460                  | 44                                     |
| Figura Dr.                   | All  | 790                  | 44 <i>DONE 2014 SEPT</i>               |
| Blackstone Ave.              | Oak Grove - End                                | 375                  | 44 <i>DONE 2013</i>                    |
| 82nd Ave.                    | 79th St.-80th St.                              | 560                  | 44                                     |
| Cronin Ave.                  | 470' N. of 76th Pl.-740' N. of 76 Pl.          | 270                  | 43 <i>DONE 2014</i>                    |
| 87th Ct.                     | 79th St.- Tollway                              | 820                  | 43                                     |
| 75th. St.                    | 150' E. of Banks -200' W. of Oak Grove         | 350                  | 43                                     |
| 73rd Pl.                     | Banks - Oak Grove Ave.                         | 460                  | 43                                     |
| 83rd Ct. (W. Half)           | 79th St. - 275 ft. S. of 79th                  | 275                  | 42                                     |
| Jocare Dr.                   | All  | 360                  | 42 <i>DONE 2014 AUG</i>                |
| 81st Ave.                    | 79th St. - 80th St. <i>CONTRACT GRINDING</i>   | 560                  | 42 <i>DONE 2012</i>                    |
| 87th Ave.                    | 79th St. - Tollway <i>WATER COMMISSION</i>     | 1100                 | 42 <i>DONE JWSWC 2012</i>              |
| 80th St.                     | 84th Ct.- 85th Ave.                            | 295                  | 42 <i>DONE 2014 JUNE</i>               |
| Banks St.                    | 76th Pl. - 560' S of 75th St.                  | 560                  | 40 <i>DONE - 2013</i>                  |
| 84th St. <i>GRANT</i>        | 81st Ave.- 82nd Ave.                           | 610                  | 41 <i>2014 CONTRACTOR</i>              |
| 86th Ct.                     | 79th St. - Tollway <i>79-80</i>                | 600' 1225            | 41 <i>HALF DONE 2015</i>               |
| Garden Ln.                   | 75th St. - Blackstone                          | 820                  | 40 <i>DONE 2014 AUG</i>                |
| Oak Grove Ave.               | Blackstone - 73rd Pl.                          | 1330                 | 40 <i>DONE - 2013 SEPT</i>             |
| 82nd St.                     | 84th Ave. - 84th Ct.                           | 350                  | 39 <i>DONE 2015 NOV</i>                |
| 86th Ave.                    | 79th St. - Tollway                             | 1225                 | 39                                     |
| 73rd Pl.                     | Cork - 86th Ave.                               | 1250                 | 39                                     |
| 83rd St.                     | 83rd Ave.-82nd Ave.                            | 690                  | 39                                     |
| 83rd St.                     | Cork - 90th Ave.                               | 1250                 | 38 <i>DONE 2012</i>                    |

|                    |   |                  |    |                  |
|--------------------|---|------------------|----|------------------|
| Murray Ct.         | All   | 260              | 38 | WATER Comm. 2014 |
| 85th Ct.           | 79th St. - Tollway  | 1660             | 38 |                  |
| Blackstone Ave.    | 75th St. - Figura Dr.   | 500              | 37 | DONE 2014 SEPT   |
| 86th Ave.          | 71st St. - 72nd St.   | RESURFACED - 710 | 35 | MAY 2014 DONE    |
| 75th St. (S. Half) | (150' W. of Banks - 150' E. of Banks. <del>150' E. of Banks</del> ) | 300              | 34 | DONE 2012        |
| 82nd St.           | 84th Ct. - Tollway  | BTAV 640' 130    | 34 | DONE 2015 OCT.   |
| 85th Ave.          | 79th St. - Tollway  | 1860             | 33 |                  |
| 81st St.           | Fawn Trail - Kean Ave.  | 690              | 24 | DONE JULY 2013   |

Total Length= 133845 ft.= 25.3 miles  
Total Length (Poor Condition)= 69125 ft.= 13.1 miles

RATINGS RANGE-----DESCRIPTION

- 86-100 -----EXCELLENT
- 71-85 -----GOOD
- 60-70 -----FAIR
- under 60 -----POOR

