

Falcon Heights City Council Workshop

**City Hall
2077 W Larpenteur Ave.
6:30 p.m.**

AGENDA November 3, 2010

:

- 1) Strong Towns Proposal
- 2) 2011-15 Draft Capital Improvements Plan

If you have a disability and need accommodation in order to attend this meeting, please notify City Hall 48 hours in advance between the hours of 8:00 a.m. and 4:30 p.m. at 651-792-7600. We will be happy to help.



The City That Soars!

REQUEST FOR COUNCIL ACTION

Meeting Date	November 3, 2010
Agenda Item	Workshop 1
Attachment	
Submitted By	Justin Miller, City Administrator

Item	Strong Towns Proposal
Description	Earlier this year the city council met with Jon Commers from the organization Strong Towns. Since this time, Mr. Commers has been working on a draft project that the city may take part in. The basis of the proposal will be how to better use our youth and school-aged children in bettering the city's future. Unfortunately the draft report was not ready in time for the workshop packet to be printed, but staff will make copies available for the council before the workshop and will also add the draft proposal to the website as soon as it is ready.
Budget Impact	N/A
Attachment(s)	
Action(s) Requested	No action required.



The City That Soars!

REQUEST FOR COUNCIL ACTION

Meeting Date	November 3, 2010
Agenda Item	Workshop 2
Attachment	2011-15 Draft CIP 2010 Pavement Management Plan
Submitted By	Justin Miller, City Administrator

Item	2011-15 Draft Capital Improvements Plan
Description	<p>Each year the City of Falcon Heights adopts a five year Capital Improvements Plan (CIP). This plan identifies capital needs throughout the city in regards to public infrastructure, parks facilities, improvements to city buildings, and the city's vehicle fleet. Key points of the draft 2011-15 CIP include:</p> <p><u>General Capital Improvements</u> This account funds improvements to city hall. There are no major purchases proposed in 2011.</p> <p><u>Public Safety Capital Improvements</u> This account funds improvements dealing mainly with the city's fire department. Besides regular equipment replacement that is annual in nature, the largest expense is \$150,000 for refurbishing the ladder fire truck. This amount has been scheduled for several years, but at this point staff and the fire chief are reconsidering the usefulness of such a project. While refurbishing the truck is much cheaper than a replacement (probably in the \$500,000 - \$750,000 range), the repairs would probably only provide another five years or so of useful life to the equipment. Staff and the fire chief will be on hand during the meeting to discuss options with the city council.</p> <p><u>Parks/Recreation/Public Facilities Capital Improvements</u> This account funds improvements to the city's parks system. The major item identified for 2011 is reconstruction of the Community Park tennis court. This \$125,000 project anticipates \$45,000 in grant money from the United States Tennis Association (USTA), which has not been applied for yet but has been awarded in the past. The Parks and Recreation Commission has reviewed the plan and their interest is in more minor improvements, including repair of the concrete pad around the Community Park building (current conditions include several uneven areas that could be trip hazards).</p> <p><u>Infrastructure Capital Improvements</u> This account funds repairs and replacements of infrastructure around the city, focusing mainly on streets and sidewalks. Identified in the most recent Pavement</p>

	<p>Management Plan (PMP) are mill and overlay projects in the alley behind Falcon Crossing, Arona between Larpenteur and Crawford, and Crawford between Snelling and Simpson. These projects would be assessed per the city's assessment policy. Further analysis needs to be completed to determine if 2011 is the best time to complete these projects. 2011 will also be the year for crack sealing and seal coating all city streets west of Snelling Avenue.</p> <p><u>Capital Equipment</u> This fund accounts for the equipment to be purchased using the 2010 equipment certificates that were approved by the city council earlier this year. In 2011, three pieces of equipment are scheduled to be purchased and will replace existing equipment.</p>
Budget Impact	The attached CIP denotes the impact on how planned purchases will be paid for as well as the resulting fund balances in each account at the end of years 2011-15.
Attachment(s)	2011-15 Draft CIP 2010 Pavement Management Plan
Action(s) Requested	No formal action is requested. The 2011-15 CIP will be adopted in December along with the 2011 operating budget.

PAVEMENT MANAGEMENT PLAN
CITY OF FALCON HEIGHTS, MINNESOTA
October 2010

PAVEMENT MANAGEMENT PLAN
CITY OF FALCON HEIGHTS, MINNESOTA

December 2010

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional engineer under the laws of the state of Minnesota.

Debra Bloom
Reg. No. 26469

Date

City of Roseville
2660 Civic Center Drive
Roseville, MN 55113
Phone: 651-792-7003
FAX: 651-792-7040

TABLE OF CONTENTS

Title Page	i
Certification Page.....	ii
Table of Contents	iii
I. INTRODUCTION	4
II. FIELD SURVEY OF PAVEMENTS	4
III. ICON SOFTWARE	5
IV. ICON RESULTS	5
V. PAVEMENT MANAGEMENT STRATEGIES	6
VI. RECOMMENDATIONS	8

I. INTRODUCTION

The City of Falcon Heights implemented a pavement management program in 2001 to assist in maintaining and monitoring the performance of the paved street network. This 13- mile long system is one of the City's largest investments that would have a significant dollar value if it were to be replaced today. The Governmental Accounting Standards Board (GASB) requires government agencies to report and account for their infrastructure assets.

In June 1999, GASB issued Statement 34 "Basic Financial Statements – and Management's Discussion and Analysis – for State and Local Governments." Statement 34 establishes new requirements for the annual financial reports of state and local governments. As part of this new Statement, Governments will report all capital assets, including infrastructure, in the government-wide statement of net assets and will report depreciation expense.

If an agency is managing its infrastructure assets in an asset management system that has certain characteristics and the government agency can document that the assets are being preserved at or above a condition level established and disclosed by the Modified Approach for Reporting Infrastructure Assets. The qualifying agency is allowed to make disclosures about the infrastructure assets in required supplementary information that includes the physical condition of the assets and amounts spent to maintain and preserve them over time. The City of Falcon Heights' asset management program for its street network is based on the Modified Approach for Reporting Infrastructure Assets.

The software program ICON, which is developed and supported by Goodpointe Technology as a tool for pavement management, was used to inventory and rate the quality of the pavement on all sections of streets and alleys within the City in 2010. This system uses field surveys to identify distresses and rate the current condition. Both systems use the segment and distress information to determine the current Pavement Condition Index (PCI) for each segment. The software provides the City with the ability to determine future needs based on current and past maintenance strategies, and prioritize the appropriate rehabilitation at optimum times. Also, ICON has a geographic information system interface to enable easy development of maps showing the results of the analysis.

II. FIELD SURVEY OF PAVEMENTS

The first step to set up a pavement management program is to assess the current condition of all pavements to be evaluated by the program. To accomplish this, each street and alley was broken out into segments, intersection to intersection, and a field survey and evaluation completed for each. There were a total of 134 street and alley segments within the City that were evaluated and will be included in the pavement management plan's ICON software database.

The Army Corps of Engineers' "Pavement Distress Identification Guide for Asphalt Surfaced Roads and Parking Lots" was used as a basis for the field survey of the segments. This manual shows types of distress and how to evaluate them. The manual was used as a reference to evaluate the different pavement distresses along each surveyed segment.

Each field survey consisted of evaluating random sample units along each segment. The randomness of the samples helps to ensure a non-partial look at each of the segments and to better determine an overall PCI rating. Completing a rating over a small isolated distressed area rather than rating the general condition of the entire street will give the appearance of a street that may need to be reconstructed when in reality it only needs minor spot repairs. The streets were evaluated for the distresses as shown on the sample Rating Form in the Appendix.

III. ICON SOFTWARE

When all field surveys were completed, the segment distress information was entered into the ICON software. The information entered into the software included a general description of each segment with a to-and-from location, length, and width of segment, last known construction date (as available), and field survey information, including date of inspection and the type and amount of distresses found. A generic date of January 1, 1980, was used for segments where accurate dates were not available. As future reconstruction projects are completed, these dates will be updated.

The ICON software used the survey data and created a database for each segment. This database was then used by ICON to rate the condition of the pavement and predict future pavement deterioration. These results were used to determine a pavement management plan and schedule.

IV. ICON RESULTS

ICON used the information gathered in the field to calculate a Pavement Condition Index (PCI) rating for each pavement segment. A PCI rating of 100 would be indicative of a newly constructed street with no distresses, while a rating of 0 would show a completely failed street. Segments then can be grouped into like categories of PCI ratings to help determine a schedule of maintenance, rehabilitation and reconstruction. The PCI groups chosen for the City of Falcon heights are as follows: 100 to 66 → Adequate; 65 to 36 → Marginal; 35 to 0 → Poor.

This initial PCI rating was based off of a standard Asphalt Pavement Deterioration Curve within the model. (This deterioration curve was created using test data and does not take into account local deterioration factors. A deterioration model specific to the City's pavement can be developed as future field surveys are taken. The software then can take into account the amount of deterioration during a specific period between field surveys. Field surveys should be taken once every three years for accurate modeling of the PCI

projections. Deterioration models specific to Falcon Heights will be completed in future phases of this pavement management program.

The city's seal coating, crack sealing and general maintenance efforts will not be directly reflected in the PCI projections at this time. These efforts will be reflected after PCI projections can be completed using a deterioration model specific to Falcon Heights once there have been several years' worth of field ratings to base the model from. All but fifteen street segments of the City's streets fall within the Adequate category of PCI rating. These ratings accurately show the City's aggressive pavement rehabilitation and reconstruction efforts in the recent past. PCI rating projections were also completed through the year 2015, and within this time period, no streets were rated as Poor.

A weighted average PCI rating was calculated, based on a section's area and PCI rating, for the City's overall system for the current year along with projections through 2015, assuming the City does not do any pavement maintenance work. The average ratings are as follows: 2011 → 72, 2012 → 68, 2013 → 63, 2014 → 59, 2015 → 53.

See Table 1: Street Segments in Alphabetical Order and Table 2: 2010 Pavement Condition Rating in the Appendix for present PCI ratings and future PCI projections for each street segment assuming the "do nothing" strategy.

V. PAVEMENT MANAGEMENT STRATEGIES

The PCI rating information generated by the ICON software can be used to determine maintenance, rehabilitation and reconstruction action necessary for each street segment. There are several types of street rehabilitation measures that can be used to maintain or restore the condition of the pavement. Below is a brief description of each of these measures:

- Localized stopgap (safety), which might be applied to severe localized rutting, potholes, etc.;
- Localized preventive, which would be used to repair high severity fatigue cracking, cracking in small quantities, curb and gutter repairs and regular catch basin maintenance;
- Global preventative maintenance strategies that include crack seal and seal coats;
- Pavement rehabilitation is used when the street is at an established critical rating or above. This might include applying overlays, milling and overlaying, or other surface reconstruction;
- Major reconstruction (below the critical rating), which would include cold in place recycling and reconstruction.

The street segments in the Adequate PCI category would only require localized repairs and global preventative maintenance. Street segments in the Marginal category would possibly require repairs and pavement rehabilitation. The street segments in the Poor category would require reconstruction.

The overall goal of this program is to maintain the City’s pavement infrastructure to a high level of service. To maintain this high level of service within the system, we recommend the following:

- Maintain a Citywide average PCI rating of 75 or above.
- Replace curb and gutter that becomes cracked, settled or holds water.
- Inspect and repair catch basins and manholes on an annual basis.
- Schedule mill and overlay for any street section that falls below a PCI rating of 65.
- Schedule major rehabilitation or reconstruction for any street section that falls below a PCI rating of 35.

This can be done through the efforts discussed above. The City currently follows a systematic seal coating and crack sealing and curb and gutter replacement program that is a global preventative strategy for the entire pavement system. Along with crack sealing, the City’s regular stopgap and localized preventative efforts should also be continued. These measures have resulted in the City-wide average PCI rating of 76 for the year 2010. No streets have fallen below a PCI rating of 30 since the implementation of the pavement management program in 2001.

The goals for the City of Falcon Heights’ pavement management program are based on a review of local pavement management practices by surrounding cities. Below is a brief summary of pavement management programs being used by other local government.

Table Pavement Management Programs In Local Cities					
City	Rating Cycle	Software	Rating for Maintenance	Rating for Rehabilitation	Rating for Reconstruction
Arden Hills	3 years	GoodPointe	100-60	59-35	34-0
Chanhassen	3 years	GoodPointe	Maintaining all streets, worst ratings are prioritized for projects.		
Eagan	3 years	GoodPointe	100-56	55-36	35-0
Eden Prairie	3 years	GoodPointe	100-70	69-30	29-0
Golden Valley	3 to 4 years	Outside Consultant	Projects are done on a case by case basis with the level of street repair depending on needs.		
Minneapolis	3 years	MicroPAVER	100-65	64-55	54-0
Rochester	5 years	GoodPointe	100-46	45-25	24-0
Roseville	3 to 4 years	GoodPointe	100-60	59-35	34-0
St Paul	N/A	None	Focus is on upgrading oiled streets to pavement. Prioritized by City officials, residents, and coordination with utilities.		
Woodbury	4 years	GoodPointe	100-60	59-35	34-0

VI. RECOMMENDATIONS

Field surveys of the pavement should be completed every three years in order to more accurately project the future PCI ratings and to help properly budget for future major reconstruction projects.

Provided that the City continue implementing the recommended pavement management strategies, PCI projections do not indicate that any major reconstruction projects will be necessary for 30 years. The City's current seal coat, crack sealing, and preventative maintenance programs will ensure that is the case.

- **Preventative Maintenance:**
Concrete curb and gutter are an integral part of the City's pavement system. Cracked and settled concrete curb and gutter can provide a pathway for water to enter the pavement base materials. The City repairs and replaces cracked and settled concrete curb and gutter on an annual basis. This program appears to have been working well and should be continued.

While the City's storm sewer system is not technically a part of the pavement system, lack of catch basin maintenance can result in pavement base materials washing into the storm sewer system, leaving a void under the pavement, boulevard and sidewalk. These voids result in a sinkhole when the pavement collapses. An inspection and annual maintenance program has been implemented to prevent future sinkhole failures.

This should be performed as needed on all street segments within the Adequate category.

- **Crack seal/ Seal Coat:**
City staff reevaluated the City's seal coating/crack sealing plan in 2002. Changes to the plan included specifying the use of granite or trap rock aggregate, and the Seal Coat/Crack Seal Schedule was changed from a four-year schedule to a six-year schedule. The City was divided into two areas, with Snelling Avenue being the dividing line between them.

Starting with the 2004 Crack Sealing Project, the seal coating/crack sealing six-year schedule is as follows:

2010	Crack seal & Seal coat east of Snelling Avenue- Completed this year
2011	Crack seal & Seal coat west of Snelling Avenue
2015	Crack seal east of Snelling Avenue
2016	Seal coat east of Snelling Avenue Crack seal west of Snelling Avenue
2017	Seal coat west of Snelling Avenue

The seal coating and crack sealing efforts recommended through 2015 are shown on the 5-year Capital Improvement Map included in the appendix. Seal coating is recommended to continue on a six-year cycle, with crack sealing to be completed the year prior to seal coating. Below are the estimated costs for seal coating and crack sealing for the next cycle.

This should be performed as needed on all street segments within the Adequate and Marginal categories. Street segments recommended for major maintenance in the 5 year CIP are not included in the sealcoat and crack sealing projects.

- **Mill and Overlay:**

There are several maintenance practices that involve milling. An *edge mill* typically consists of grinding the old bituminous surface along the outer 8 feet of the street. This helps establish a uniform cross-section, especially in instances where the crown in the street is relatively flat. A *full width mill*, or resurfacing, is necessary when the upper surface layer of a pavement has deteriorated considerably. Significant surface pavement distresses and more extensive “thermal” cracking need to be removed and/or repaired with a full width and uniform depth milling process. Both edge mills and full-width mills are typically 1.5 to 2 inches thick, but can vary on a project by project basis.

Milling creates an even surface to ensure a uniform overall thickness for the new overlay. An asphalt overlay of 1.5 to 2 inches over the entire pavement width forms a smooth crown, renews the street surface, restores structural capacity and proper drainage, and extends the life cycle of the original pavement up to 15 years.

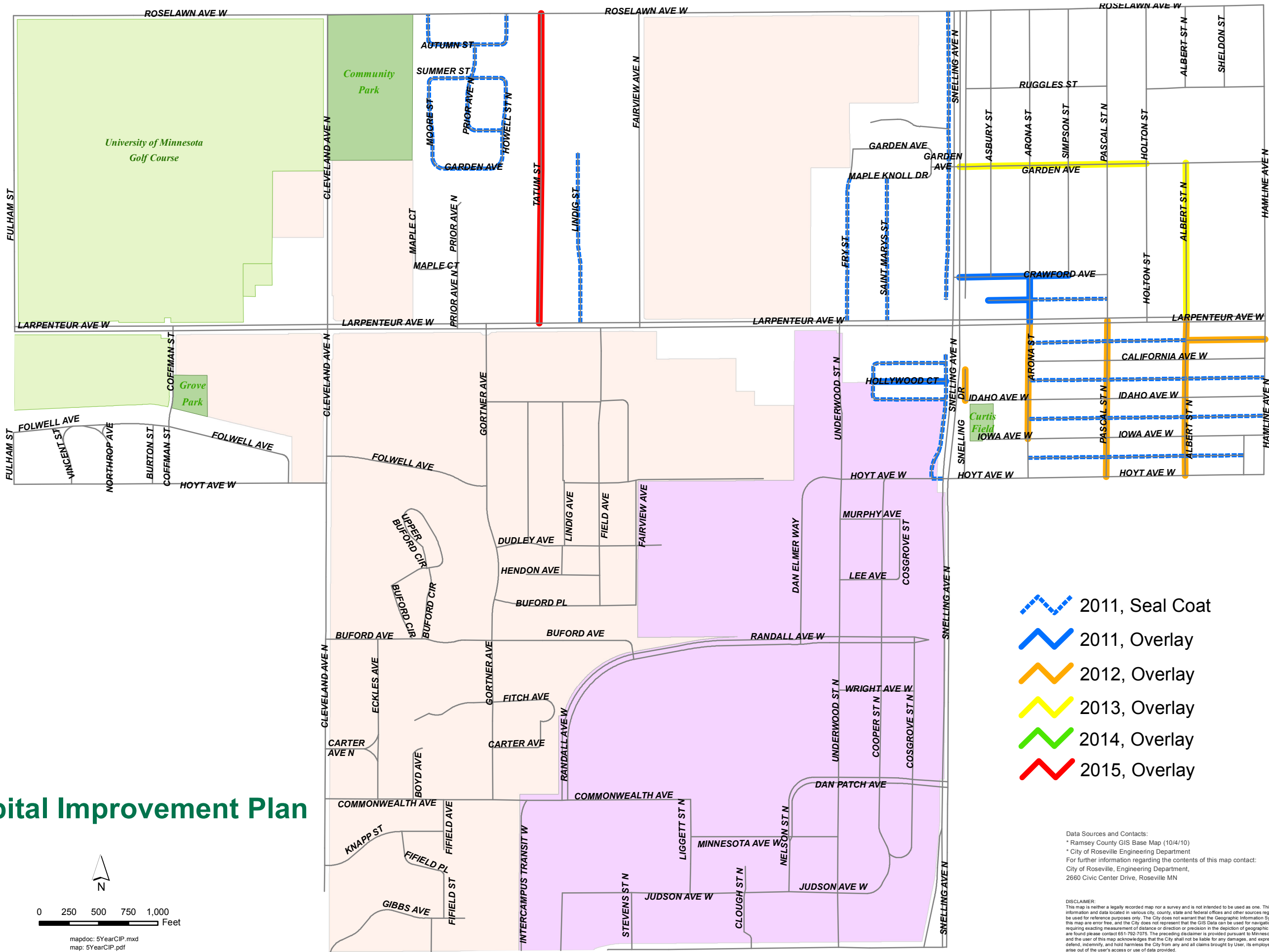
A *full depth mill* can be used on a street that has already been reconstructed with a good base section, but the pavement has deteriorated to a point where seal coating or a standard mill and overlay is not effective. A pavement section with significant cracking will end up reflecting through the new pavement. The full depth of the pavement is ground up and removed. This process may also involve some subgrade soil corrections and some removal of aggregate base, if it has been contaminated or is sub-standard. The street is paved with the same thickness of new asphalt. This can extend the life cycle of the original pavement between 15 and 20 years.

Pavement can also be *reclaimed*, where approximately 8 to 10 inches of the existing asphalt and base are ground up in place. This forms a new more stable base without adding new material. The road is then paved with new asphalt. This is only recommended where there is not sufficient existing road base to provide the needed pavement structure. When there is curb and gutter on the road, material would need to be removed to ensure that the road elevation is consistent with the gutter once the new pavement thickness is added. This can extend the life cycle of the original pavement up to 20 years.

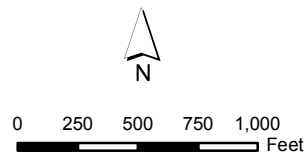
Mill and overlay is recommended for street segments in the Marginal Category.

We have put together a Capital Improvement Program map showing the projects recommended in the next 5 years. This program consists of Crack Seal/ Seal Coat and mill and overlay projects. These costs include engineering at 15% of the estimated construction cost.

5 year Capital Improvement Program Estimated Costs				
Year	Crack Sealing Cost	Seal Coating Cost	Mill and Overlay Cost	Total Cost
2011	\$18,073.69	\$72,682.30	\$121,836.75	\$212,592.74
2012			\$278,278.44	\$278,278.44
2013			\$211,141.44	\$211,141.44
2014			\$310,247.00	\$310,247.00
2015			\$269,916.50	\$269,916.50









5 Year Capital Improvement Plan



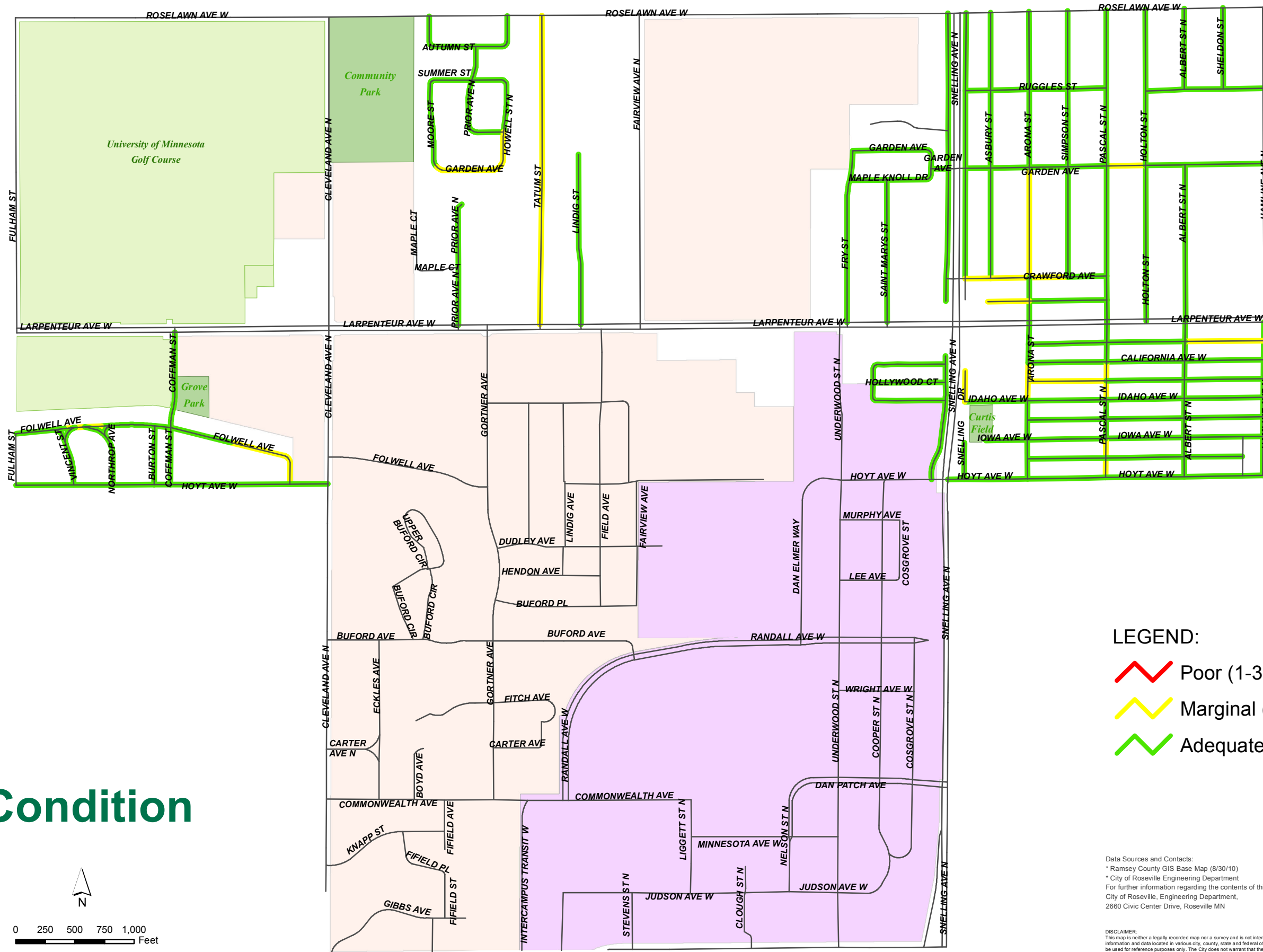
mapdoc: 5YearCIP.mxd
map: 5YearCIP.pdf

Prepared by:
October 18, 2010

-  2011, Seal Coat
-  2011, Overlay
-  2012, Overlay
-  2013, Overlay
-  2014, Overlay
-  2015, Overlay

Data Sources and Contacts:
 * Ramsey County GIS Base Map (10/4/10)
 * City of Roseville Engineering Department
 For further information regarding the contents of this map contact:
 City of Roseville, Engineering Department,
 2660 Civic Center Drive, Roseville MN

DISCLAIMER:
 This map is neither a legally recorded map nor a survey and is not intended to be used as one. This map is a compilation of records, information and data located in various city, county, state and federal offices and other sources regarding the area shown, and is to be used for reference purposes only. The City does not warrant that the Geographic Information System (GIS) Data used to prepare this map are error free, and the City does not represent that the GIS Data can be used for navigational, tracking or any other purpose requiring exacting measurement of distance or direction or precision in the depiction of geographic features. If errors or discrepancies are found please contact 651-792-7075. The preceding disclaimer is provided pursuant to Minnesota Statutes §466.03, Subd. 21 (2000), and the user of this map acknowledges that the City shall not be liable for any damages, and expressly waives all claims, and agrees to defend, indemnify, and hold harmless the City from any and all claims brought by User, its employees or agents, or third parties which arise out of the user's access or use of data provided.



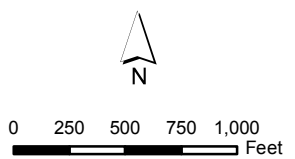
LEGEND:

-  Poor (1-35)
-  Marginal (36-65)
-  Adequate (66-100)

Data Sources and Contacts:
 * Ramsey County GIS Base Map (8/30/10)
 * City of Roseville Engineering Department
 For further information regarding the contents of this map contact:
 City of Roseville, Engineering Department,
 2660 Civic Center Drive, Roseville MN

DISCLAIMER:
 This map is neither a legally recorded map nor a survey and is not intended to be used as one. This map is a compilation of records, information and data located in various city, county, state and federal offices and other sources regarding the area shown, and is to be used for reference purposes only. The City does not warrant that the Geographic Information System (GIS) Data used to prepare this map are error free, and the City does not represent that the GIS Data can be used for navigational, tracking or any other purpose requiring exacting measurement of distance or direction or precision in the depiction of geographic features. If errors or discrepancies are found please contact 651-782-7075. The preceding disclaimer is provided pursuant to Minnesota Statutes §466.03, Subd. 21 (2000), and the user of this map acknowledges that the City shall not be liable for any damages, and expressly waives all claims, and agrees to defend, indemnify, and hold harmless the City from any and all claims brought by User, its employees or agents, or third parties which arise out of the user's access or use of data provided.

Latest Condition



Prepared by:
 City of Roseville Engineering Department
 September 16, 2010

mapdoc: RoadwayCondition.mxd
 map: RoadwayCondition.pdf

City of Falcon Heights

PCI Ratings

Table 1: Street Segments in Alphabetical Order

Street Name	From	To	Functional Class	Length (ft)	Width (ft)	Area (SF)	Last Non-structural Date	Last Non-structural Type	Last Known Reconstruction Date	PCI 2004	PCI 2007	PCI 2010	Projected PCI				
													2011	2012	2013	2014	2015
Albert Street	California Avenue	Larpenteur Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	83	74	72	68	63	58	52	47
Albert Street	Hoyt Avenue	Iowa Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	83	77	66	61	55	50	44	38
Albert Street	Idaho Avenue	California Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	86	76	69	64	59	54	48	42
Albert Street	Iowa Avenue	Idaho Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	83	78	68	63	58	52	47	41
Albert Street	Larpenteur Avenue	Garden Avenue	Collector	1,300	31	40,300	06/01/2004	Seal Coat	01/01/1980	89	70	68	63	58	53	47	41
Albert Street	Ruggles Avenue	Roselawn Avenue	Local	600	28	16,800	06/01/2004	Seal Coat	01/01/1980	100	97	85	81	78	74	70	65
Alley North of California Ave	Albert Street	Hamline Avenue	Alley	585	14	8,190	06/01/2004	Seal Coat	01/01/1980	89	58	44	38	32	25	18	10
Alley North of California Ave	Arona Street	Pascal Street	Alley	590	15	8,850	06/01/2004	Seal Coat	01/01/1995	91	82	67	62	57	52	46	40
Alley North of California Ave	Pascal Street	Albert Street	Alley	635	15	9,525	06/01/2004	Seal Coat	01/01/1995	80	80	66	61	56	51	45	39
Alley North of Hollywood Court	Hollywood Court	Snelling Avenue West Frontage Road	Alley	740	15	11,100	06/01/2006	Seal Coat	01/01/2000	96	96	93	91	88	85	82	78
Alley North of Hoyt Ave	Albert Street	Alley West of Hamline Avenue	Alley	465	15	6,975	06/01/2004	Seal Coat	01/01/2000	97	92	86	83	80	76	72	67
Alley North of Hoyt Ave	Arona Street	Pascal Street	Alley	590	15	8,850	06/01/2004	Seal Coat	01/01/2000	92	92	85	82	78	74	70	66
Alley North of Hoyt Ave	Pascal Street	Albert Street	Alley	635	15	9,525	06/01/2004	Seal Coat	01/01/2000	96	96	92	89	86	83	80	76
Alley North of Idaho Ave	Albert Street	Hamline Avenue	Alley	585	15	8,775	06/01/2004	Seal Coat	01/01/2000	91	94	88	85	82	78	74	70
Alley North of Idaho Ave	Arona Street	Pascal Street	Alley	590	15	8,850	06/01/2004	Seal Coat	01/01/1995	95	88	64	59	53	47	41	35
Alley North of Idaho Ave	Pascal Street	Albert Street	Alley	635	15	9,525	06/01/2004	Seal Coat	01/01/1995	94	86	71	67	62	57	51	45
Alley North of Iowa Ave	Albert Street	Hamline Avenue	Alley	585	15	8,775	06/01/2004	Seal Coat	01/01/2000	97	91	78	74	70	65	60	55
Alley North of Iowa Ave	Arona Street	Pascal Street	Alley	590	16	9,440	06/01/2004	Seal Coat	01/01/2000	95	93	82	79	75	71	66	61
Alley North of Iowa Ave	Pascal Street	Albert Street	Alley	635	15	9,525	06/01/2004	Seal Coat	01/01/1995	96	85	69	65	60	54	49	43
Alley North of Larpenteur Ave	Arona Street	Pascal Street	Alley	655	15	9,825	06/01/2004	Seal Coat	01/01/2001	89	86	78	74	70	65	61	55
Alley North of Larpenteur Ave	Snelling Avenue East Frontage Road	Arona Street	Alley	515	15	7,725	06/01/2004	Seal Coat	01/01/2001	84	75	50	44	38	31	24	17
Alley South of Hollywood Court	Hollywood Court	Snelling Avenue West Frontage Road	Alley	740	15	11,100	06/01/2006	Seal Coat	01/01/2001	97	92	90	87	84	80	77	72
Arona Street	California Avenue	Larpenteur Avenue	Collector	320	38	12,160	06/01/2004	Seal Coat	01/01/1980	65	76	70	65	60	55	50	44
Arona Street	Crawford Avenue	Garden Avenue	Collector	940	32	30,080	06/01/2004	Seal Coat	01/01/1980	82	89	59	54	48	42	36	29
Arona Street	Garden Avenue	Ruggles Avenue	Collector	660	31	20,460	06/01/2004	Seal Coat	01/01/1980	81	83	72	68	63	58	52	47
Arona Street	Hoyt Avenue	Iowa Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	84	85	71	66	61	56	51	45
Arona Street	Idaho Avenue	California Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	79	76	62	57	52	46	40	34
Arona Street	Iowa Avenue	Idaho Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	95	81	69	64	60	54	49	43
Arona Street	Larpenteur Avenue	Crawford Avenue	Collector	350	38	13,300	06/01/2004	Seal Coat	01/01/1980	98	76	66	61	56	50	44	38
Arona Street	Ruggles Avenue	Roselawn Avenue	Collector	660	31	20,460	06/01/2004	Seal Coat	01/01/1980	81	84	68	63	58	52	47	41
Asbury Street	Crawford Avenue	Garden Avenue	Local	940	28	26,320	06/01/2004	Seal Coat	01/01/1999	100	99	80	76	72	68	63	58
Asbury Street	Garden Avenue	Ruggles Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	100	98	81	77	73	69	64	59
Asbury Street	Ruggles Avenue	Roselawn Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	91	94	80	76	72	68	63	58
Autumn Street	Roselawn Avenue	Prior Avenue	Local	900	28	25,200	06/01/2006	Seal Coat	01/01/2001	98	93	90	87	84	81	77	73
Burton Street	Hoyt Avenue	Folwell Avenue	Local	490	23	11,270	06/01/2006	Seal Coat	01/01/1993	74	91	79	76	71	67	62	57
California Avenue	Albert Street	Hamline Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/2001	98	92	83	79	76	71	67	62
California Avenue	Arona Street	Pascal Street	Local	660	30	19,800	06/01/2004	Seal Coat	01/01/2001	95	90	80	76	72	67	63	58
California Avenue	Pascal Street	Albert Street	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/2001	92	89	81	77	73	69	64	59
Coffman Street	Folwell Avenue	Larpenteur Avenue	Local	480	28	13,440	06/01/2006	Seal Coat	01/01/1985	99	86	68	63	58	53	47	41
Coffman Street	Hoyt Avenue	Folwell Avenue	Local	500	28	14,000	06/01/2006	Seal Coat	01/01/1993	98	95	85	82	79	75	70	66
Crawford Avenue	Arona Street	Simpson Street	Local	330	28	9,240	06/01/2004	Seal Coat	01/01/1980	86	72	48	42	36	29	22	15
Crawford Avenue	Asbury Street	Arona Street	Collector	315	37	11,655	06/01/2004	Seal Coat	01/01/1980	85	79	63	58	52	47	41	34
Crawford Avenue	Simpson Street	Pascal Street	Local	325	28	9,100	06/01/2004	Seal Coat	01/01/1999	85	98	75	71	66	61	56	51
Crawford Avenue	Snelling Avenue East Frontage Road	Asbury Street	Collector	260	37	9,620	06/01/2004	Seal Coat	01/01/1980	99	81	62	57	52	46	40	34
Folwell Avenue	Burton Street	Coffman Avenue	Local	185	24	4,440	06/01/2006	Seal Coat	01/01/1993	93	88	73	68	64	59	53	48
Folwell Avenue	Coffman Street	Ford Street	Local	540	24	12,960	06/01/2006	Seal Coat	01/01/1993	93	76	76	58	52	46	40	34
Folwell Avenue	Ford Street	Hoyt Avenue	Local	750	24	18,000	06/01/2006	Seal Coat	01/01/1993	100	84	61	55	50	44	38	31
Folwell Avenue	Fulham Street	Vincent Avenue	Local	430	24	10,320	06/01/2006	Seal Coat	01/01/1993	87	91	76	72	67	63	57	52
Folwell Avenue	Northrup Avenue	Burton Street	Local	370	24	8,880	06/01/2006	Seal Coat	01/01/1993	94	89	68	63	58	53	47	41
Folwell Avenue	Vincent Avenue	Northrup Avenue	Local	325	24	7,800	06/01/2006	Seal Coat	01/01/1993	89	82	60	55	49	44	37	31
Fry Street	Larpenteur Avenue	Maple Knoll Drive	Local	1,240	28	34,720	06/01/2006	Seal Coat	01/01/1980	95	86	83	79	75	71	67	62
Fry Street	Maple Knoll Drive	Garden Avenue	Local	245	28	6,860	08/31/2009	Mill & Overlay	01/01/1980	88	81	91	89	86	83	79	76

City of Falcon Heights

PCI Ratings

Table 1: Street Segments in Alphabetical Order

Street Name	From	To	Functional Class	Length (ft)	Width (ft)	Area (SF)	Last Non-structural Date	Last Non-structural Type	Last Known Reconstruction Date	PCI 2004	PCI 2007	PCI 2010	Projected PCI				
													2011	2012	2013	2014	2015
Garden Avenue	Albert Street	Hamline Avenue	Collector	660	33	21,780	06/01/2004	Seal Coat	01/01/1999	89	94	75	71	66	61	56	51
Garden Avenue	Arona Street	Simpson Street	Collector	330	33	10,890	06/01/2004	Seal Coat	01/01/1980	92	70	68	63	58	52	47	41
Garden Avenue	Asbury Street	Arona Street	Collector	315	33	10,395	06/01/2004	Seal Coat	01/01/1980	85	76	73	69	64	59	54	48
Garden Avenue	Fry Street	Maple Knoll Drive	Collector	780	27	21,060	08/31/2009	Mill & Overlay	01/01/1980	75	82	92	89	87	83	80	76
Garden Avenue	Holton Street	Albert Street	Collector	335	33	11,055	06/01/2004	Seal Coat	01/01/1999	76	86	69	64	59	54	48	42
Garden Avenue	Maple Knoll Drive	Snelling Avenue West Frontage Road	Collector	130	27	3,510	08/31/2009	Mill & Overlay	01/01/1980	80	59	77	73	69	64	59	54
Garden Avenue	Moore Avenue	Howell Avenue	Collector	525	28	14,700	06/01/2006	Seal Coat	01/01/1980	65	75	61	56	51	45	39	32
Garden Avenue	Pascal Street	Holton Street	Collector	325	33	10,725	06/01/2004	Seal Coat	01/01/1980	99	75	43	37	30	23	16	8
Garden Avenue	Simpson Street	Pascal Street	Collector	325	33	10,725	06/01/2004	Seal Coat	01/01/1980	99	75	67	62	57	52	46	40
Garden Avenue	Snelling Avenue East Frontage Road	Asbury Street	Collector	260	33	8,580	06/01/2004	Seal Coat	01/01/1980	86	79	72	67	63	57	52	46
Hamline Avenue	California Avenue	Larpenteur Avenue	Collector	300	44	13,200	06/01/2007	Seal Coat	06/01/2006	N/A	100	97	95	93	91	88	86
Hamline Avenue	Hoyt Avenue	Iowa Avenue	Collector	327	44	14,388	06/01/2007	Seal Coat	06/01/2006	N/A	100	96	94	92	89	86	83
Hamline Avenue	Idaho Avenue	California Avenue	Collector	317	44	13,948	06/01/2007	Seal Coat	06/01/2006	N/A	100	95	94	91	89	86	83
Hamline Avenue	Iowa Avenue	Idaho Avenue	Collector	325	44	14,300	06/01/2007	Seal Coat	06/01/2006	N/A	100	84	80	77	73	68	63
Hollywood Court	Snelling Avenue West Frontage Road	Alleys	Local	600	22	13,200	06/01/2004	Seal Coat	01/01/1980	85	74	65	61	55	50	44	38
Holton Street	Garden Avenue	Ruggles Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	99	97	83	80	76	72	67	63
Holton Street	Larpenteur Avenue	Garden Avenue	Local	1,300	28	36,400	06/01/2004	Seal Coat	01/01/1999	99	100	86	83	79	75	71	67
Holton Street	Ruggles Avenue	Roselawn Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	98	96	81	77	73	69	64	59
Howell Avenue	Garden Avenue	Prior Avenue	Local	320	28	8,960	06/01/2004	Seal Coat	01/01/1980	80	79	63	58	53	47	41	35
Howell Avenue	Prior Avenue	Summer Street	Local	430	28	12,040	06/01/2004	Seal Coat	01/01/1980	85	76	67	62	57	52	46	40
Hoyt Avenue	Albert Street	Hamline Avenue	Collector	636	32	20,352	06/01/2007	Seal Coat	06/01/2006	N/A	100	93	90	88	85	81	78
Hoyt Avenue	Arona Street	Pascal Street	Collector	659	32	21,088	06/01/2007	Seal Coat	06/01/2006	N/A	100	93	91	88	85	82	78
Hoyt Avenue	Pascal Street	Albert Street	Collector	664	32	21,248	06/01/2007	Seal Coat	06/01/2006	N/A	100	93	91	88	85	82	78
Hoyt Avenue	Snelling Avenue East Frontage Road	Arona Street	Collector	521	32	16,672	06/01/2007	Seal Coat	06/01/2006	N/A	100	91	89	86	83	79	75
Idaho Avenue	Albert Street	Hamline Avenue	Local	660	29	19,140	06/01/2004	Seal Coat	01/01/2001	75	91	80	76	72	67	63	58
Idaho Avenue	Arona Street	Pascal Street	Local	660	29	19,140	06/01/2004	Seal Coat	01/01/1980	93	88	82	79	75	71	66	61
Idaho Avenue	Pascal Street	Albert Street	Local	660	30	19,800	06/01/2004	Seal Coat	01/01/2001	87	89	79	76	71	67	62	57
Idaho Avenue	Snelling Avenue East Frontage Road	Arona Street	Local	660	29	19,140	06/01/2004	Seal Coat	01/01/2001	98	93	79	75	71	66	62	56
Iowa Avenue	Albert Street	Hamline Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/2001	95	88	78	74	69	65	60	55
Iowa Avenue	Arona Street	Pascal Street	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/2001	87	82	71	67	62	57	52	46
Iowa Avenue	Dead End	Arona Street	Local	360	31	11,160	06/01/2004	Seal Coat	01/01/2001	95	89	71	67	62	57	51	46
Iowa Avenue	Pascal Street	Albert Street	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/2001	92	91	78	74	70	65	60	55
Lindig Street	Larpenteur Avenue	Dead End	Local	1,460	28	40,880	06/01/2006	Seal Coat	01/01/1997	96	94	84	81	77	73	69	64
Maple Knoll Drive	Fry Street	St. Mary's Avenue	Local	340	27	9,180	08/31/2009	Mill & Overlay	01/01/1980	62	72	95	93	91	88	85	82
Maple Knoll Drive	St. Mary's Street	Garden Avenue	Local	400	27	10,800	08/31/2009	Mill & Overlay	01/01/1980	88	75	92	89	87	83	80	76
Moore Avenue	Garden Avenue	Summer Street	Local	760	28	21,280	06/01/2004	Seal Coat	01/01/1993	85	82	71	66	61	56	51	45
Northrup Avenue	Hoyt Avenue	Folwell Avenue	Local	480	24	11,520	06/01/2006	Seal Coat	01/01/1993	95	87	69	64	59	54	48	42
Pascal Street	California Avenue	Larpenteur Avenue	Local	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	88	81	65	60	55	49	43	37
Pascal Street	Crawford Avenue	Garden Avenue	Local	940	28	26,320	06/01/2004	Seal Coat	01/01/1999	71	93	81	77	73	69	65	60
Pascal Street	Garden Avenue	Ruggles Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	63	94	83	79	75	71	66	62
Pascal Street	Hoyt Avenue	Iowa Avenue	Local	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	89	78	65	60	55	49	43	37
Pascal Street	Idaho Avenue	California Avenue	Local	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	67	60	65	60	55	49	43	37
Pascal Street	Iowa Avenue	Idaho Avenue	Local	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	80	74	65	60	55	49	44	37
Pascal Street	Larpenteur Avenue	Crawford Avenue	Local	350	28	9,800	06/01/2004	Seal Coat	01/01/1999	100	98	79	75	71	67	62	57
Pascal Street	Ruggles Avenue	Roselawn Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	99	94	85	81	78	74	70	65
Prior Avenue	Autumn Street	Roselawn Avenue	Local	240	28	6,720	06/01/2004	Seal Coat	01/01/1993	87	88	77	73	68	64	59	53
Prior Avenue	Howell Avenue	Summer Street	Local	700	28	19,600	06/01/2006	Seal Coat	01/01/1980	90	77	71	67	62	57	51	45
Prior Avenue	Larpenteur Avenue	Dead End	Local	830	38	31,540	08/31/2009	Mill & Overlay	01/01/1980	100	57	88	85	81	78	74	69
Prior Avenue	Summer Street	Autumn Street	Local	275	28	7,700	06/01/2006	Seal Coat	01/01/1993	50	82	79	75	71	66	61	56
Ruggles Avenue	Albert Street	Sheldon Street	Local	325	29	9,425	06/01/2004	Seal Coat	01/01/1999	84	99	85	82	79	75	71	66
Ruggles Avenue	Arona Street	Simpson Street	Local	330	29	9,570	06/01/2004	Seal Coat	01/01/1999	98	94	80	76	72	68	63	58
Ruggles Avenue	Asbury Street	Arona Street	Local	315	29	9,135	06/01/2004	Seal Coat	01/01/1999	100	88	73	69	64	59	54	48

City of Falcon Heights

PCI Ratings

Table 1: Street Segments in Alphabetical Order

Street Name	From	To	Functional Class	Length (ft)	Width (ft)	Area (SF)	Last Non-structural Date	Last Non-structural Type	Last Known Reconstruction Date	PCI 2004	PCI 2007	PCI 2010	Projected PCI				
													2011	2012	2013	2014	2015
Ruggles Avenue	Holton Street	Albert Street	Local	330	29	9,570	06/01/2004	Seal Coat	01/01/1999	96	93	90	87	84	81	77	73
Ruggles Avenue	Sheldon Street	Hamline Avenue	Local	345	29	10,005	06/01/2004	Seal Coat	01/01/1999	100	93	80	76	72	68	63	58
Ruggles Avenue	Simpson Street	Pascal Street	Local	325	29	9,425	06/01/2004	Seal Coat	01/01/1999	100	91	81	78	74	69	65	60
Ruggles Avenue	Snelling Avenue East Frontage Road	Asbury Street	Local	260	29	7,540	06/01/2004	Seal Coat	01/01/1999	99	86	72	67	63	58	52	46
Sheldon Street	Ruggles Avenue	Roselawn Avenue	Local	660	29	19,140	06/01/2004	Seal Coat	01/01/2003	98	86	76	72	67	63	58	52
Simpson Street	Crawford Avenue	Garden Avenue	Local	940	28	26,320	06/01/2004	Seal Coat	01/01/1999	100	100	81	77	73	69	64	59
Simpson Street	Garden Avenue	Ruggles Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	98	93	76	72	68	63	58	53
Simpson Street	Ruggles Avenue	Roselawn Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	100	98	79	75	71	67	62	57
Snelling Avenue East Frontage	Crawford Avenue	Garden Avenue	Local	960	24	23,040	06/01/2004	Seal Coat	01/01/1980	97	88	69	64	59	54	48	42
Snelling Avenue East Frontage	Garden Avenue	Ruggles Avenue	Local	660	24	15,840	06/01/2004	Seal Coat	01/01/1980	99	86	67	62	57	51	45	39
Snelling Avenue East Frontage	Hoyt Avenue	Dead End	Local	645	32	20,640	06/01/2004	Seal Coat	01/01/1980	96	96	95	93	91	88	85	82
Snelling Avenue East Frontage	Idaho Avenue	Dead End	Local	600	26	15,600	06/01/2004	Seal Coat	01/01/1980	74	65	45	39	32	25	18	11
Snelling Avenue East Frontage	Ruggles Avenue	Roselawn Avenue	Local	660	24	15,840	06/01/2004	Seal Coat	01/01/1980	56	94	79	75	71	67	62	57
Snelling Avenue West Frontage	Garden Avenue	Roselawn Avenue	Local	1,310	24	31,440	06/01/2006	Seal Coat	01/01/1980	92	91	74	69	65	60	55	49
Snelling Avenue West Frontage	Hollywood Court	Dead End	Local	420	24	10,080	06/01/2006	Seal Coat	01/01/1980	93	90	87	84	80	76	72	68
Snelling Avenue West Frontage	Hoyt Avenue	Hollywood Court	Local	820	24	19,680	06/01/2006	Seal Coat	01/01/1980	96	92	80	76	72	67	62	57
Snelling Avenue West Frontage	Larpenteur Avenue	Garden Avenue	Local	1,280	24	30,720	06/01/2006	Seal Coat	01/01/1980	93	85	72	68	63	58	52	47
St. Mary's Street	Larpenteur Avenue	Maple Knoll Drive	Local	1,240	28	34,720	06/01/2000	Seal Coat	01/01/1980	68	88	81	77	73	68	64	59
Summer Street	Moore Avenue	Prior Avenue	Local	320	28	8,960	06/01/2006	Seal Coat	01/01/1993	84	78	73	68	63	58	53	47
Summer Street	Prior Avenue	Howell Avenue	Local	320	28	8,960	06/01/2006	Seal Coat	01/01/1993	88	85	78	74	70	66	61	55
Tatum Street	Larpenteur Avenue	Roselawn Avenue	Local	2,650	28	74,200	06/01/2006	Seal Coat	01/01/1985	88	81	64	59	54	48	42	36
Vincent Avenue	Hoyt Avenue	Folwell Avenue	Local	470	23	10,810	06/01/2006	Seal Coat	01/01/1993	100	93	71	67	62	57	52	46

Notes:
 Rating completed on 7/22/10
 streets sealcoated 7/26/10 after rating
 All segments have Bituminous surface
 All streets (non-alleys) have concrete curb and gutter
 Total miles of pavement 13.70

City of Falcon Heights

PCI Ratings

Table 2: 2010 Pavement Condition

Street Name	From	To	Functional Class	Length (ft)	Width (ft)	Area (SF)	Last Non-structural Date	Last Non-structural Type	Last Known Reconstruction Date	PCI 2004	PCI 2007	PCI 2010	Projected PCI				
													2011	2012	2013	2014	2015
Garden Avenue	Pascal Street	Holton Street	Collector	325	33	10,725	06/01/2004	Seal Coat	01/01/1980	99	75	43	37	30	23	16	8
Alley North of California Ave	Albert Street	Hamline Avenue	Alley	585	14	8,190	06/01/2004	Seal Coat	01/01/1980	89	58	44	38	32	25	18	10
Snelling Avenue East Frontage	Idaho Avenue	Dead End	Local	600	26	15,600	06/01/2004	Seal Coat	01/01/1980	74	65	45	39	32	25	18	11
Crawford Avenue	Arona Street	Simpson Street	Local	330	28	9,240	06/01/2004	Seal Coat	01/01/1980	86	72	48	42	36	29	22	15
Alley North of Larpenteur Ave	Snelling Avenue East Frontage Road	Arona Street	Alley	515	15	7,725	06/01/2004	Seal Coat	01/01/2001	84	75	50	44	38	31	24	17
Arona Street	Crawford Avenue	Garden Avenue	Collector	940	32	30,080	06/01/2004	Seal Coat	01/01/1980	82	89	59	54	48	42	36	29
Folwell Avenue	Vincent Avenue	Northrup Avenue	Local	325	24	7,800	06/01/2006	Seal Coat	01/01/1993	89	82	60	55	49	44	37	31
Folwell Avenue	Ford Street	Hoyt Avenue	Local	750	24	18,000	06/01/2006	Seal Coat	01/01/1993	100	84	61	55	50	44	38	31
Garden Avenue	Moore Avenue	Howell Avenue	Collector	525	28	14,700	06/01/2006	Seal Coat	01/01/1980	65	75	61	56	51	45	39	32
Crawford Avenue	Snelling Avenue East Frontage Road	Asbury Street	Collector	260	37	9,620	06/01/2004	Seal Coat	01/01/1980	99	81	62	57	52	46	40	34
Arona Street	Idaho Avenue	California Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	79	76	62	57	52	46	40	34
Crawford Avenue	Asbury Street	Arona Street	Collector	315	37	11,655	06/01/2004	Seal Coat	01/01/1980	85	79	63	58	52	47	41	34
Howell Avenue	Garden Avenue	Prior Avenue	Local	320	28	8,960	06/01/2004	Seal Coat	01/01/1980	80	79	63	58	53	47	41	35
Alley North of Idaho Ave	Arona Street	Pascal Street	Alley	590	15	8,850	06/01/2004	Seal Coat	01/01/1995	95	88	64	59	53	47	41	35
Tatum Street	Larpenteur Avenue	Roselawn Avenue	Local	2,650	28	74,200	06/01/2006	Seal Coat	01/01/1985	88	81	64	59	54	48	42	36
Pascal Street	Idaho Avenue	California Avenue	Local	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	67	60	65	60	55	49	43	37
Pascal Street	Hoyt Avenue	Iowa Avenue	Local	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	89	78	65	60	55	49	43	37
Pascal Street	California Avenue	Larpenteur Avenue	Local	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	88	81	65	60	55	49	43	37
Pascal Street	Iowa Avenue	Idaho Avenue	Local	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	80	74	65	60	55	49	44	37
Hollywood Court	Snelling Avenue West Frontage Road	Alleys	Local	600	22	13,200	06/01/2004	Seal Coat	01/01/1980	85	74	65	61	55	50	44	38
Albert Street	Hoyt Avenue	Iowa Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	83	77	66	61	55	50	44	38
Arona Street	Larpenteur Avenue	Crawford Avenue	Collector	350	38	13,300	06/01/2004	Seal Coat	01/01/1980	98	76	66	61	56	50	44	38
Alley North of California Ave	Pascal Street	Albert Street	Alley	635	15	9,525	06/01/2004	Seal Coat	01/01/1995	80	80	66	61	56	51	45	39
Snelling Avenue East Frontage	Garden Avenue	Ruggles Avenue	Local	660	24	15,840	06/01/2004	Seal Coat	01/01/1980	99	86	67	62	57	51	45	39
Garden Avenue	Simpson Street	Pascal Street	Collector	325	33	10,725	06/01/2004	Seal Coat	01/01/1980	99	75	67	62	57	52	46	40
Alley North of California Ave	Arona Street	Pascal Street	Alley	590	15	8,850	06/01/2004	Seal Coat	01/01/1995	91	82	67	62	57	52	46	40
Howell Avenue	Prior Avenue	Summer Street	Local	430	28	12,040	06/01/2004	Seal Coat	01/01/1980	85	76	67	62	57	52	46	40
Garden Avenue	Arona Street	Simpson Street	Collector	330	33	10,890	06/01/2004	Seal Coat	01/01/1980	92	70	68	63	58	52	47	41
Arona Street	Ruggles Avenue	Roselawn Avenue	Collector	660	31	20,460	06/01/2004	Seal Coat	01/01/1980	81	84	68	63	58	52	47	41
Albert Street	Iowa Avenue	Idaho Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	83	78	68	63	58	52	47	41
Albert Street	Larpenteur Avenue	Garden Avenue	Collector	1,300	31	40,300	06/01/2004	Seal Coat	01/01/1980	89	70	68	63	58	53	47	41
Folwell Avenue	Northrup Avenue	Burton Street	Local	370	24	8,880	06/01/2006	Seal Coat	01/01/1993	94	89	68	63	58	53	47	41
Coffman Street	Folwell Avenue	Larpenteur Avenue	Local	480	28	13,440	06/01/2006	Seal Coat	01/01/1985	99	86	68	63	58	53	47	41
Snelling Avenue East Frontage	Crawford Avenue	Garden Avenue	Local	960	24	23,040	06/01/2004	Seal Coat	01/01/1980	97	88	69	64	59	54	48	42
Albert Street	Idaho Avenue	California Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	86	76	69	64	59	54	48	42
Garden Avenue	Holton Street	Albert Street	Collector	335	33	11,055	06/01/2004	Seal Coat	01/01/1999	76	86	69	64	59	54	48	42
Northrup Avenue	Hoyt Avenue	Folwell Avenue	Local	480	24	11,520	06/01/2006	Seal Coat	01/01/1993	95	87	69	64	59	54	48	42
Arona Street	Iowa Avenue	Idaho Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	95	81	69	64	60	54	49	43
Alley North of Iowa Ave	Pascal Street	Albert Street	Alley	635	15	9,525	06/01/2004	Seal Coat	01/01/1995	96	85	69	65	60	54	49	43
Arona Street	California Avenue	Larpenteur Avenue	Collector	320	38	12,160	06/01/2004	Seal Coat	01/01/1980	65	76	70	65	60	55	50	44
Moore Avenue	Garden Avenue	Summer Street	Local	760	28	21,280	06/01/2004	Seal Coat	01/01/1993	85	82	71	66	61	56	51	45
Arona Street	Hoyt Avenue	Iowa Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	84	85	71	66	61	56	51	45
Alley North of Idaho Ave	Pascal Street	Albert Street	Alley	635	15	9,525	06/01/2004	Seal Coat	01/01/1995	94	86	71	67	62	57	51	45
Prior Avenue	Howell Avenue	Summer Street	Local	700	28	19,600	06/01/2006	Seal Coat	01/01/1980	90	77	71	67	62	57	51	45
Iowa Avenue	Dead End	Arona Street	Local	360	31	11,160	06/01/2004	Seal Coat	01/01/2001	95	89	71	67	62	57	51	46
Vincent Avenue	Hoyt Avenue	Folwell Avenue	Local	470	23	10,810	06/01/2006	Seal Coat	01/01/1993	100	93	71	67	62	57	52	46
Iowa Avenue	Arona Street	Pascal Street	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/2001	87	82	71	67	62	57	52	46
Garden Avenue	Snelling Avenue East Frontage Road	Asbury Street	Collector	260	33	8,580	06/01/2004	Seal Coat	01/01/1980	86	79	72	67	63	57	52	46
Ruggles Avenue	Snelling Avenue East Frontage Road	Asbury Street	Local	260	29	7,540	06/01/2004	Seal Coat	01/01/1999	99	86	72	67	63	58	52	46
Arona Street	Garden Avenue	Ruggles Avenue	Collector	660	31	20,460	06/01/2004	Seal Coat	01/01/1980	81	83	72	68	63	58	52	47
Snelling Avenue West Frontage	Larpenteur Avenue	Garden Avenue	Local	1,280	24	30,720	06/01/2006	Seal Coat	01/01/1980	93	85	72	68	63	58	52	47
Albert Street	California Avenue	Larpenteur Avenue	Collector	320	29	9,280	06/01/2004	Seal Coat	01/01/1980	83	74	72	68	63	58	52	47

City of Falcon Heights

PCI Ratings

Table 2: 2010 Pavement Condition

Street Name	From	To	Functional Class	Length (ft)	Width (ft)	Area (SF)	Last Non-structural Date	Last Non-structural Type	Last Known Reconstruction Date	PCI 2004	PCI 2007	PCI 2010	Projected PCI				
													2011	2012	2013	2014	2015
Summer Street	Moore Avenue	Prior Avenue	Local	320	28	8,960	06/01/2006	Seal Coat	01/01/1993	84	78	73	68	63	58	53	47
Folwell Avenue	Burton Street	Coffman Avenue	Local	185	24	4,440	06/01/2006	Seal Coat	01/01/1993	93	88	73	68	64	59	53	48
Ruggles Avenue	Asbury Street	Arona Street	Local	315	29	9,135	06/01/2004	Seal Coat	01/01/1999	100	88	73	69	64	59	54	48
Garden Avenue	Asbury Street	Arona Street	Collector	315	33	10,395	06/01/2004	Seal Coat	01/01/1980	85	76	73	69	64	59	54	48
Snelling Avenue West Frontage	Garden Avenue	Roselawn Avenue	Local	1,310	24	31,440	06/01/2006	Seal Coat	01/01/1980	92	91	74	69	65	60	55	49
Crawford Avenue	Simpson Street	Pascal Street	Local	325	28	9,100	06/01/2004	Seal Coat	01/01/1999	85	98	75	71	66	61	56	51
Garden Avenue	Albert Street	Hamline Avenue	Collector	660	33	21,780	06/01/2004	Seal Coat	01/01/1999	89	94	75	71	66	61	56	51
Folwell Avenue	Fulham Street	Vincent Avenue	Local	430	24	10,320	06/01/2006	Seal Coat	01/01/1993	87	91	76	72	67	63	57	52
Sheldon Street	Ruggles Avenue	Roselawn Avenue	Local	660	29	19,140	06/01/2004	Seal Coat	01/01/2003	98	86	76	72	67	63	58	52
Folwell Avenue	Coffman Street	Ford Street	Local	540	24	12,960	06/01/2006	Seal Coat	01/01/1993	93	76	76	58	52	46	40	34
Simpson Street	Garden Avenue	Ruggles Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	98	93	76	72	68	63	58	53
Prior Avenue	Autumn Street	Roselawn Avenue	Local	240	28	6,720	06/01/2004	Seal Coat	01/01/1993	87	88	77	73	68	64	59	53
Garden Avenue	Maple Knoll Drive	Snelling Avenue West Frontage Road	Collector	130	27	3,510	08/31/2009	Mill & Overlay	01/01/1980	80	59	77	73	69	64	59	54
Iowa Avenue	Albert Street	Hamline Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/2001	95	88	78	74	69	65	60	55
Iowa Avenue	Pascal Street	Albert Street	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/2001	92	91	78	74	70	65	60	55
Alley North of Iowa Ave	Albert Street	Hamline Avenue	Alley	585	15	8,775	06/01/2004	Seal Coat	01/01/2000	97	91	78	74	70	65	60	55
Alley North of Larpenteur Ave	Arona Street	Pascal Street	Alley	655	15	9,825	06/01/2004	Seal Coat	01/01/2001	89	86	78	74	70	65	61	55
Summer Street	Prior Avenue	Howell Avenue	Local	320	28	8,960	06/01/2006	Seal Coat	01/01/1993	88	85	78	74	70	66	61	55
Prior Avenue	Summer Street	Autumn Street	Local	275	28	7,700	06/01/2006	Seal Coat	01/01/1993	50	82	79	75	71	66	61	56
Idaho Avenue	Snelling Avenue East Frontage Road	Arona Street	Local	660	29	19,140	06/01/2004	Seal Coat	01/01/2001	98	93	79	75	71	66	62	56
Pascal Street	Larpenteur Avenue	Crawford Avenue	Local	350	28	9,800	06/01/2004	Seal Coat	01/01/1999	100	98	79	75	71	67	62	57
Simpson Street	Ruggles Avenue	Roselawn Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	100	98	79	75	71	67	62	57
Snelling Avenue East Frontage	Ruggles Avenue	Roselawn Avenue	Local	660	24	15,840	06/01/2004	Seal Coat	01/01/1980	56	94	79	75	71	67	62	57
Idaho Avenue	Pascal Street	Albert Street	Local	660	30	19,800	06/01/2004	Seal Coat	01/01/2001	87	89	79	76	71	67	62	57
Burton Street	Hoyt Avenue	Folwell Avenue	Local	490	23	11,270	06/01/2006	Seal Coat	01/01/1993	74	91	79	76	71	67	62	57
Snelling Avenue West Frontage	Hoyt Avenue	Hollywood Court	Local	820	24	19,680	06/01/2006	Seal Coat	01/01/1980	96	92	80	76	72	67	62	57
California Avenue	Arona Street	Pascal Street	Local	660	30	19,800	06/01/2004	Seal Coat	01/01/2001	95	90	80	76	72	67	63	58
Idaho Avenue	Albert Street	Hamline Avenue	Local	660	29	19,140	06/01/2004	Seal Coat	01/01/2001	75	91	80	76	72	67	63	58
Ruggles Avenue	Arona Street	Simpson Street	Local	330	29	9,570	06/01/2004	Seal Coat	01/01/1999	98	94	80	76	72	68	63	58
Asbury Street	Ruggles Avenue	Roselawn Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	91	94	80	76	72	68	63	58
Asbury Street	Crawford Avenue	Garden Avenue	Local	940	28	26,320	06/01/2004	Seal Coat	01/01/1999	100	99	80	76	72	68	63	58
Ruggles Avenue	Sheldon Street	Hamline Avenue	Local	345	29	10,005	06/01/2004	Seal Coat	01/01/1999	100	93	80	76	72	68	63	58
St. Mary's Street	Larpenteur Avenue	Maple Knoll Drive	Local	1,240	28	34,720	06/01/2000	Seal Coat	01/01/1980	68	88	81	77	73	68	64	59
Holton Street	Ruggles Avenue	Roselawn Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	98	96	81	77	73	69	64	59
Simpson Street	Crawford Avenue	Garden Avenue	Local	940	28	26,320	06/01/2004	Seal Coat	01/01/1999	100	100	81	77	73	69	64	59
Asbury Street	Garden Avenue	Ruggles Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	100	98	81	77	73	69	64	59
California Avenue	Pascal Street	Albert Street	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/2001	92	89	81	77	73	69	64	59
Pascal Street	Crawford Avenue	Garden Avenue	Local	940	28	26,320	06/01/2004	Seal Coat	01/01/1999	71	93	81	77	73	69	65	60
Ruggles Avenue	Simpson Street	Pascal Street	Local	325	29	9,425	06/01/2004	Seal Coat	01/01/1999	100	91	81	78	74	69	65	60
Alley North of Iowa Ave	Arona Street	Pascal Street	Alley	590	16	9,440	06/01/2004	Seal Coat	01/01/2000	95	93	82	79	75	71	66	61
Idaho Avenue	Arona Street	Pascal Street	Local	660	29	19,140	06/01/2004	Seal Coat	01/01/1980	93	88	82	79	75	71	66	61
Pascal Street	Garden Avenue	Ruggles Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	63	94	83	79	75	71	66	62
Fry Street	Larpenteur Avenue	Maple Knoll Drive	Local	1,240	28	34,720	06/01/2006	Seal Coat	01/01/1980	95	86	83	79	75	71	67	62
California Avenue	Albert Street	Hamline Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/2001	98	92	83	79	76	71	67	62
Holton Street	Garden Avenue	Ruggles Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	99	97	83	80	76	72	67	63
Hamline Avenue	Iowa Avenue	Idaho Avenue	Collector	325	44	14,300	06/01/2007	Seal Coat	06/01/2006	N/A	100	84	80	77	73	68	63
Lindig Street	Larpenteur Avenue	Dead End	Local	1,460	28	40,880	06/01/2006	Seal Coat	01/01/1997	96	94	84	81	77	73	69	64
Albert Street	Ruggles Avenue	Roselawn Avenue	Local	600	28	16,800	06/01/2004	Seal Coat	01/01/1980	100	97	85	81	78	74	70	65
Pascal Street	Ruggles Avenue	Roselawn Avenue	Local	660	28	18,480	06/01/2004	Seal Coat	01/01/1999	99	94	85	81	78	74	70	65
Alley North of Hoyt Ave	Arona Street	Pascal Street	Alley	590	15	8,850	06/01/2004	Seal Coat	01/01/2000	92	92	85	82	78	74	70	66
Coffman Street	Hoyt Avenue	Folwell Avenue	Local	500	28	14,000	06/01/2006	Seal Coat	01/01/1993	98	95	85	82	79	75	70	66
Ruggles Avenue	Albert Street	Sheldon Street	Local	325	29	9,425	06/01/2004	Seal Coat	01/01/1999	84	99	85	82	79	75	71	66

City of Falcon Heights

PCI Ratings

Table 2: 2010 Pavement Condition

Street Name	From	To	Functional Class	Length (ft)	Width (ft)	Area (SF)	Last Non-structural Date	Last Non-structural Type	Last Known Reconstruction Date	PCI 2004	PCI 2007	PCI 2010	Projected PCI				
													2011	2012	2013	2014	2015
Holton Street	Larpenteur Avenue	Garden Avenue	Local	1,300	28	36,400	06/01/2004	Seal Coat	01/01/1999	99	100	86	83	79	75	71	67
Alley North of Hoyt Ave	Albert Street	Alley West of Hamline Avenue	Alley	465	15	6,975	06/01/2004	Seal Coat	01/01/2000	97	92	86	83	80	76	72	67
Snelling Avenue West Frontage	Hollywood Court	Dead End	Local	420	24	10,080	06/01/2006	Seal Coat	01/01/1980	93	90	87	84	80	76	72	68
Prior Avenue	Larpenteur Avenue	Dead End	Local	830	38	31,540	08/31/2009	Mill & Overlay	01/01/1980	100	57	88	85	81	78	74	69
Alley North of Idaho Ave	Albert Street	Hamline Avenue	Alley	585	15	8,775	06/01/2004	Seal Coat	01/01/2000	91	94	88	85	82	78	74	70
Alley South of Hollywood Court	Hollywood Court	Snelling Avenue West Frontage Road	Alley	740	15	11,100	06/01/2006	Seal Coat	01/01/2001	97	92	90	87	84	80	77	72
Ruggles Avenue	Holton Street	Albert Street	Local	330	29	9,570	06/01/2004	Seal Coat	01/01/1999	96	93	90	87	84	81	77	73
Autumn Street	Roselawn Avenue	Prior Avenue	Local	900	28	25,200	06/01/2006	Seal Coat	01/01/2001	98	93	90	87	84	81	77	73
Hoyt Avenue	Snelling Avenue East Frontage Road	Arona Street	Collector	521	32	16,672	06/01/2007	Seal Coat	06/01/2006	N/A	100	91	89	86	83	79	75
Fry Street	Maple Knoll Drive	Garden Avenue	Local	245	28	6,860	08/31/2009	Mill & Overlay	01/01/1980	88	81	91	89	86	83	79	76
Alley North of Hoyt Ave	Pascal Street	Albert Street	Alley	635	15	9,525	06/01/2004	Seal Coat	01/01/2000	96	96	92	89	86	83	80	76
Maple Knoll Drive	St. Mary's Street	Garden Avenue	Local	400	27	10,800	08/31/2009	Mill & Overlay	01/01/1980	88	75	92	89	87	83	80	76
Garden Avenue	Fry Street	Maple Knoll Drive	Collector	780	27	21,060	08/31/2009	Mill & Overlay	01/01/1980	75	82	92	89	87	83	80	76
Hoyt Avenue	Albert Street	Hamline Avenue	Collector	636	32	20,352	06/01/2007	Seal Coat	06/01/2006	N/A	100	93	90	88	85	81	78
Alley North of Hollywood Court	Hollywood Court	Snelling Avenue West Frontage Road	Alley	740	15	11,100	06/01/2006	Seal Coat	01/01/2000	96	96	93	91	88	85	82	78
Hoyt Avenue	Pascal Street	Albert Street	Collector	664	32	21,248	06/01/2007	Seal Coat	06/01/2006	N/A	100	93	91	88	85	82	78
Hoyt Avenue	Arona Street	Pascal Street	Collector	659	32	21,088	06/01/2007	Seal Coat	06/01/2006	N/A	100	93	91	88	85	82	78
Snelling Avenue East Frontage	Hoyt Avenue	Dead End	Local	645	32	20,640	06/01/2004	Seal Coat	01/01/1980	96	96	95	93	91	88	85	82
Maple Knoll Drive	Fry Street	St. Mary's Avenue	Local	340	27	9,180	08/31/2009	Mill & Overlay	01/01/1980	62	72	95	93	91	88	85	82
Hamline Avenue	Idaho Avenue	California Avenue	Collector	317	44	13,948	06/01/2007	Seal Coat	06/01/2006	N/A	100	95	94	91	89	86	83
Hamline Avenue	Hoyt Avenue	Iowa Avenue	Collector	327	44	14,388	06/01/2007	Seal Coat	06/01/2006	N/A	100	96	94	92	89	86	83
Hamline Avenue	California Avenue	Larpenteur Avenue	Collector	300	44	13,200	06/01/2007	Seal Coat	06/01/2006	N/A	100	97	95	93	91	88	86

Notes:

Rating completed on 7/22/10

streets sealcoated 7/26/10 after rating

All segments have Bituminous surface

All streets (non-alleys) have concrete curb and gutter

Total miles of pavement 13.70

**City of Falcon Heights, Minnesota
Flexible Pavement Condition Rating Form**

Sample No. 3

Street		From			To	
Lindig St		Larpenteur Ave			Dead End	
Length	1460	No. Lanes	2	SW Condition	None	
Width	28'	Direction	N	C&G Condition	F	
CONDITION		EXTENT			SEVERITY	
ALLIGATOR CRACKING (Square Feet)				Hairline		
				Spalled and Tight		
				Spalled and Loose		
BLEEDING (Square Feet)				Occasional Small Patches		
				Wheel Tracks Smooth		
				Little Visible Aggregate		
LONGITUDINAL & TRANSVERSE CRACKING (Lineal Feet)	28 x 2 = (56 LF)			< 1/4" or Sealed		
				1/4" to 1"		
				> 1" & Spalled		
BLOCK CRACKING (Square Feet)				< 1/4" or Sealed		
				1/4" to 1"		
				> 1" & Spalled		
REFLECTIVE CRACKING (Lineal Feet)				< 1/4" or Sealed		
				1/4" to 1"		
				> 1" & Spalled		
EDGE CRACKING (Lineal Feet)				L or M cracking – no brk-up		
				M crack with some brk-up		
				Considerable brk-up		
RAVELING/ WEATHERING (Square Feet)	(80 SF)			Minor Loss		
				Some Small Holes/Pits		
				Highly Pitted/Rough		
POTHoles (Count)	4 – 8"	8 – 18"	18 – 30"	> 30" Count =	In Diameter	
				(SF/5.5)		
	L	L	M	H	<1" in Depth	
	L	M	H	H	1 – 2" in Depth	
	M	M	H	H	> 2" in Depth	
DEPRESSION (Square Feet)				1/2" to 1" in Depth		
				1" to 2" in Depth		
				> 2" in Depth		
BUMPS AND SAGS (Lineal Feet)				Low-severity ride quality		
				Medium-severity ride quality		
				High-severity ride quality		
BITUMINOUS PATCHING & Utility Cut Patches (SF)				Good Condition		
				Fair Condition		
				Poor Condition		
LANE / SHOULDER DROP-OFF (Lineal Feet)				> 1" & < 2" Difference		
				> 2" & < 4" Difference		
				> 4" Difference		
RUTTING (Square Feet)	1/4" to < 1/2"		1/2" to 1"		> 1"	

Inspected by: Jake Cunningham Date: 5-8-01

Comments: Seal coated
Valley Curb gutter

GENERAL CAPITAL IMPROVEMENTS
5 YEAR CAPITAL IMPROVEMENT PLAN

CAPITAL USES	2011	2012	2013	2014	2015	2010	YEAR PURCHASED	EST. LIFE IN YRS
OFFICE EQUIPMENT:								
TELEPHONE SYSTEM	500	500	500	500	500	500	2004	7
VOTING EQUIPMENT	1,000	1,000	1,000	1,000	1,000	1,000	1993	5
G.I.S.(GEOGRAPHIC INFORMATION SYS.)	2,000	2,000	2,000	2,000	2,000	10,000	YEARLY	7
CABLE/ELECTRONIC EQUIPMENT	0	0	12,000	0	0	0	2007	4
COPIER	0	0	0	0	0	2,000	YEARLY	
ONLINE INITIATIVES	0	0	0	0	0			
TOTAL OFFICE EQUIPMENT	3,500	3,500	15,500	3,500	3,500	13,500		
TOTAL GENERAL CAPITAL	3,500	3,500	15,500	3,500	3,500	13,500		
CAPITAL SOURCES								
FUND BALANCE BGN	27,289	23,339	19,259	3,167	(974)			
INTEREST	150	70	58	10	(3)			
OTHER FUNDS								
TOTAL SOURCES	27,439	23,409	19,317	3,176	(977)			
TOTAL USES	3,500	3,500	15,500	3,500	3,500			
AUDIT FEE	600	650	650	650				
FUND BALANCE YEAR-END	23,339	19,259	3,167	(974)	(4,477)			

2

PUBLIC SAFETY CAPITAL IMPROVEMENTS 5 YEAR CAPITAL IMPROVEMENT PLAN									
CAPITAL USES	2011	2012	2013	2014	2015	2010	YEAR PURCHASED	EST. LIFE IN YRS	
FIRE:									
REPLACE WATER TANK 757									
REFURBISH 757 TELESQUIRT FIRE TRUCK	150,000					12,000			
UTILITY VEHICLE									
EQUIPMENT	5,000	30,000	7,500	7,500	7,500	20,000	YEARLY	5	
HOSES/ADAPTERS	3,000	3,000	4,000	4,000	4,000	4,000	YEARLY	5	
SCBA	2,500	2,500	2,500	2,500	2,500	11,000	YEARLY	5	
FIRE CLOTHING	13,000	5,000	8,000	8,000	8,000	8,000	YEARLY	5	
COMMUNICATION	2,000	2,000	2,500	4,000	4,000	5,000	YEARLY	5	
TOTAL FIRE	175,500	42,500	24,500	26,000	26,000	54,000			
OTHER:									
UPGRADES FOR FIRE BLDG SIDE									
HAMLIN SCHOOL CROSSINGS									n/a
EMERGENCY WARNING SIREN									n/a
TOTAL OTHER	0	0	0	0	0	0			
TOTAL FIRE AND OTHER:	175,500	42,500	24,500	26,000	26,000	54,000			
CAPITAL SOURCES									
FUND BALANCE BGN	164,787	(10,913)	(54,096)	(79,408)	(106,296)				
INTEREST	400	(33)	(162)	(238)	(319)				
OTHER FUNDS (CONDUIT BOND)									
DONATIONS									
GRANTS									
TOTAL SOURCES	165,187	(10,946)	(54,258)	(79,646)	(106,615)				#
TOTAL USES	175,500	42,500	24,500	26,000	26,000				
AUDIT FEE	600	650	650	650	650				
FUND BALANCE YEAR-END *	(10,913)	(54,096)	(79,408)	(106,296)	(133,265)				

CAPITAL IMPROVEMENTS									
5 YEAR CAPITAL IMPROVEMENT PLAN									
CITY HALL:	2011	2012	2013	2014	2015	2010	2010	2010	PURCHASED
CITY HALL:									
BUILDING REPAIRS	1,000	1,000	1,000	1,000	1,000			1,000	
FURNISHINGS/AED									
KITCHEN APPLIANCE REPLACEMENT									
HOT WATER HEATER									
TOOLS									
HEATING/COOLING									
LIGHTING									
TOTAL CITY HALL	1,000	1,000	1,000	1,000	1,000			1,000	
CITY WIDE:									
LANDSCAPING	2,000	2,000	2,000	2,000	2,000			2,000	YEARLY
SIGNS	1,500	1,500	1,500	1,500	1,500			1,500	YEARLY
MISCELLANEOUS	1,000	1,000	1,000	1,000	1,000			1,000	YEARLY
FLAGS/HANGING BASKETS									
LARPENTEUR MEDIAN / LANDSCAPE STUDY									
RINK LIGHTS (ELEMENTARY SCHOOL)									
STATE FAIR PARKING SIGNS									
TOTAL CITY WIDE	3,000	4,500	4,500	4,500	4,500			4,500	
PARK/PUBLIC WORKS EQUIPMENT:									
1 TON TRUCK									2005
BOBCAT								35,000	2003
RIDING MOWERS JD 1445									2004
TRAILER									2007
WEED WHIPS									1997
ASPHALT TAMPER									
TRACTOR (JD 4310)								42,000	2002
WALK BEHIND SNOWBLOWER									1987
TRACTOR MOWER JD 725									2000
BACKPAC BLOWER									1997
CHAINSAW									
21" PUSH MOWER									1990
UTILITY CART/DRAG (CUSHMAN TYPE)									
TOTAL PARK/PUBLIC WORKS	0	0	0	0	0			77,000	
TOTAL PARK, REC AND PUBLIC WORKS	84,000	5,500	5,500	5,500	5,500			185,500	
CAPITAL SOURCES									
FUND BALANCE BGN	137,671	99,071	95,398	92,283	89,090				
INTEREST	1,000	2,477	2,385	2,307	2,227				
TENNIS ASSOCIATION GRANT	45,000								
PARK DEDICATION FEE									
TOTAL SOURCES	183,671	101,548	97,783	94,590	91,317				
OPERATING TRANSFER OUT									
TOTAL USES	84,000	5,500	5,500	5,500	5,500				
AUDIT FEE	600	650							
FUND BALANCE YEAR-END	99,071	95,398	92,283	89,090	85,817				

5

INFRASTRUCTURE CAPITAL IMPROVEMENTS 5 YEAR CAPITAL IMPROVEMENT PLAN											
CAPITAL USES	2011	2012	2013	2014	2015	2010	YEAR PURCHASED	EST. LIFE IN YRS			
SIDEWALKS	7,000	7,000	3,000	3,000	3,000	6,500					
HOYT/SNEILING 1/2 BLOCK SIDEWALK		0	0	0	0						
CORNER MARKERS/STREET SIGNS											
CURBS	1,000	1,000	1,000	1,000	1,000	8,000					
CRACK SEALING	18,074	0	0	0	0	26,245					
SEAL COATING	72,683	0				106,160					
MILL AND OVERLAY	121,837	278,278	211,141	310,247	269,917	0					
PRIOR AVENUE MILL AND OVERLAY											
CITY HALL PARKING LOT											
ROSELAWN AVE STREET IMPROVEMENTS											
HAMLIN AVE STREET IMPROVEMENTS											
MAPLE KNOLL - RECONDITION MILL/OVERLAY											
PAVEMENT MGMT PLAN ANALYSIS (EVERY 3 YRS)			7,000			7,000					
LANDSCAPE:											
TREE TRIMMING	17,000	17,500	17,500	17,500	17,500	16,500					
TREE REMOVAL	49,500	49,500	50,000	50,000	50,000	49,000					
TREE PLANTING	18,000	18,000	18,500	18,500	18,500	27,500					
STORM DAMAGE REPAIRS	8,000	8,000	8,500	8,500	8,500	7,500					
TOTALS:	313,094	378,778	316,641	408,747	368,417	254,405					
CAPITAL SOURCES											
FUND BALANCE BGN	1,480,212	867,486	207,558	(376,684)	(658,531)						
INTEREST	10,000	5,000	1,600	100	(1,000)						
SPECIAL ASSESSMENTS	13,268	32,000	49,000	73,000	72,000						
MSA STREET MAINTENANCE FUNDS	45,000	50,000	50,000	55,000	55,000						
STORM WATER LOT SUPPORT	0	0	0	0	0						
WATERSHED DISTRICT REVENUE	0	0	0	0	0						
TOTAL SOURCES:	1,548,480	954,486	308,158	(248,584)	(532,531)						
TRANSFER OUT (GENERAL FUND)	0	0	0	0	0						
TRANSFER OUT TO 99 STREET BOND	0	0	0	0	0						
TIF BOND OBLIGATION	367,000	367,000	367,000	0	0						
TOTAL USES	313,094	378,778	316,641	408,747	368,417						
AUDIT & BOND FEE	900	1,150	1,200	1,200	1,200						
	680,994	746,928	684,841	409,947	369,617						
FUND BALANCE YEAR-END	867,486	207,558	(376,684)	(658,531)	(902,147)	0					

6

CAPITAL EQUIPMENT 5 YEAR CAPITAL PLAN							EXPECTED LIFE IN YRS
CAPITAL USES	2011	2012	2013	2014	2015	2010	PURCHASED
CITY HALL:							
COMPUTER		5,000					
PARK/PUBLIC WORKS EQUIPMENT:							
1 TON TRUCK		45,000					
4X4 TRUCK	32,000						10
BOBCAT	37,000						10
RIDING MOWERS JD 1445	25,000						7
TRACTOR UTILITY VEHICLE		135,000					7
TRAILER							7
WEED WHIPS							
ASPHALT TAMPER							
TRACTOR (JD 4310)							
WALK BEHIND SNOW BLOWER							
TRACTOR MOWER (JD 725)							
BACKPAC BLOWER							
CHAINSAW							
21" PUSH MOWER							
TOTAL PARK AND PUBLIC WORKS EQUIPMENT	94,000	189,000	0	0	0	0	
CAPITAL SOURCES							
FUND BALANCE EGN	287,643	194,043					
INTEREST	1,000	600					
TENNIS ASSOCIATION GRANT							
PARK DEDICATION FEE							
TOTAL SOURCES	288,643	194,643	0	0	0	0	
OPERATING TRANSFER OUT							
TOTAL USES	94,000	189,000	0	0	0	0	
AUDIT FEE	600	650					
FUND BALANCE YEAR-END	194,043	4,993	0	0	0	0	

2011 TOTALS									
	2011	2012	2013	2014	2015	2010			
GENERAL CAPITAL	3,500	3,500	15,500	3,500	3,500	0			
PUBLIC SAFETY CAPITAL	175,500	42,500	24,500	26,000	26,000	0			
PARKS/PUBLIC WORKS CAPITAL	84,000	5,500	5,500	5,500	5,500	0			
INFRASTRUCTURE CAPITAL	313,094	378,778	316,641	408,747	368,417	0			
CAPITAL EQUIPMENT 2010A	94,000	189,000	0	0	0	0			
LESS MN DOT STREET AID(SEAL COATING)	(45,000)	(50,000)	(50,000)	(55,000)	(55,000)				
LESS OTHER FUNDS: CONDUIT BOND									
LESS PARK DEDICATION FEE									
LESS WATERSHED DISTRICT GRANT									
LESS STORM WATER SUPPORT									
LESS TENNIS ASSOCIATION GRANT	(45,000)	0	0	0	0	0			
TOTALS:	580,094	569,278	312,141	388,747	348,417				