

CITY OF WILLMAR

2014 REPORT

**PUBLIC WORKS
DEPARTMENT**



CITY OF WILLMAR

Vehicle/Equipment Replacement Policy



CITY OF WILLMAR VEHICLE/EQUIPMENT REPLACEMENT POLICY

Scope

This policy applies to all vehicles and equipment attached to a vehicle which is owned by the City of Willmar.

Objective

It will be the objective of this policy to reduce annual maintenance and replacement costs of all City equipment. These objectives will be met through the systematic maintenance, upgrade, and/or replacement of equipment.

Procedure

The procedure of replacing, transferring to another department, deleting or requesting additional equipment or altering the replacement schedule is to submit a written justification to the Vehicle/Equipment Committee prior to the annual budgeting process. This request shall include specifications, estimated vehicle costs, funding source and completion of the *Vehicle/Equipment Change Request Form*.

All vehicles/equipment replaced will be available to other departments by schedule priority. If the vehicle/equipment being replaced is better than one scheduled to be replaced at a later date, then other departments would be able to exchange the equipment, allowing a department to have the best equipment available until such time as its vehicle/equipment would normally be scheduled to be replaced.

Equipment reaching its useful life but not replaced due to non-appropriation, refurbishment or usage allowance shall cause the Vehicle Replacement Committee to reconvene and revise the schedule as priorities, maintenance and funding allows.

Any vehicle not assigned a critical function and/or in use shall be made available for general usage and identified as a "general purpose vehicle". After use, a general purpose vehicle must be fueled to ¾ tank minimum and cleaned appropriately. Scheduling of all general usage vehicles shall be done thru Outlook Calendar established and maintained by IT.

Joint purchasing agreements should be considered when possible (i.e., state contract, consortium purchase, cooperative purchasing ventures, etc.).

Review

An annual review of all city vehicles will be done during the annual budget process by the Vehicle/Equipment Committee and submitted to the City Administrator at the same time as the annual budget. Modifications would be done through the approval of the Finance Committee.

General Allocation Schedules

<u>Vehicle Type</u>	<u>Recommended Useful Life (Years)</u>		
Air Compressors	20	<i>R-Vac</i>	10
Cars		<i>Rodder/Tar Dist.</i>	20
<i>Squad Cars</i>	3	<i>Semi Tractors</i>	10
<i>Specialty</i>	5	<i>Speed Trailers</i>	15
<i>Other Cars</i>	8	<i>SWAT Bus</i>	20
Fire Apparatus		SUV/Suburbans/Vans	10
<i>Aerial Trucks</i>	25	Tractors	20
<i>Pumpers</i>	25	Trucks (1 Ton)	12
<i>Tankers</i>	25	<i>Dump Truck</i>	10
<i>Quint</i>	25		
Heavy Equipment			
<i>Graders</i>	20		
<i>Loaders</i>	15		
<i>Rollers</i>	15		
<i>Sweepers</i>	8		
Light Equipment			
<i>Mowers</i>	4		
<i>Mt Trackless</i>	8		
<i>Skid Loaders</i>	10		
<i>UTVs</i>	7		
Pickups (up to ¾ Ton)	10		
<i>CSO Pickup</i>	5		
Snow Blowers	15		
Specialty Equipment			
<i>Bucket Trucks</i>	15		
<i>Flusher Trucks</i>	10		
<i>Hot Box</i>	15		

Each Department Head will determine which fleet vehicle(s) need replacement or need to have the replacement schedule adjusted. They will consider their needs for any deletions, additions, or re-assignments to their fleet.

Vehicle Replacement/Additions/Deletions/Transfer Request Procedure

For purposes of this policy the following terms when used have the assigned meaning:

- Chairperson – means the person the City Administrator has identified as the Chair for the Vehicle Replacement Committee.
 - Vehicle – refers to a motor vehicle, tractor, or trailer capable of being pulled by a vehicle. Only trailers in which the initial purchase price of the trailer was more than \$5000.00 should be counted as a vehicle.
 - Vehicle/Equipment – refers to equipment that is attached to the vehicle for the life of the vehicle or is repeatedly mounted and then removed from a vehicle as an accessory attachment which allows then allows the vehicle to be used for its intended functions (ie. buckets, mower decks, snow plows, etc.).
 - Vehicle Addition (Added) – means a vehicle was will be added to increase the overall number of vehicles in a department's fleet and is not replacing an existing vehicle.
 - Vehicle Deletion (Deleted) – means a vehicle which is being removed from the overall number of vehicles listed in the department's fleet with no intention to have the vehicle replaced.
 - Vehicle Replacement (Replaced) – means a vehicle that has reached its useful life and will be sold, traded, or transferred with the planned purchase of another vehicle to take its place.
 - Vehicle Transfer (Transferred) – means a vehicle that has reached the maximum useful life in one city department but may serve a purpose for another department which was scheduled to replace a similar vehicle. (Mowers might be an example of this).
1. During the first week of January of each year, the current Chairperson of the Vehicle/Equipment Committee shall (by email) distribute the following to each Department Head within the City:
 - a. A working list of vehicles managed and maintained within the various departments in an excel spreadsheet format.
 - b. The most current copy of the Vehicle/Equipment Replacement Policy. (This document.)
 - c. The most current copy of the Vehicle/Equipment Change Request form. (Also found within this document).
 2. After receiving the spreadsheet each Department Head (or his/her designee) will review the vehicle(s) listed for their department. They will compare the list against the actual inventory being kept and maintained within their department and within two (2) weeks notify the Chairperson

receiving the spreadsheet of all differences between the listed vehicles and actual inventory so the spreadsheet can be properly updated by the Chairperson.

3. The Chairperson will make corrections as notified no later than the end of January and then resend the updated spreadsheet back to all Department Heads by email and indicate in that email the date as to when Department Heads need to submit Vehicle/Equipment Change Requests back to the Chairperson.
4. Each Department Head (or his/her designee) will then review the updated list for accuracy as it relates to their own department(s). They will determine which fleet vehicle(s) need replacement or need to have the replacement schedule adjusted. They will also consider their needs for any deletions, additions or re-assignments to their fleet. They will consider vehicles being replaced by other Departments and make the necessary contact with the Department head to determine if a vehicle being replaced within that Department may or may not fit their own replacement needs.
5. If the Department Head (or his/her designee) wishes to make any fleet additions, deletions, transfers or replacements they will then fully complete a Vehicle/Equipment Change Request form (with a photo attached) for each vehicle addition, deletion, replacement, re-assignment or replacement they wish to enact to the acting Chairperson by the date indicated in the email.
6. The Chairperson will consolidate the information received from Department Heads, update the spreadsheet and convene a meeting with other Vehicle Replacement committee members. The Committee is responsible for:
 - Discussing the changes received from each Department Head and approves or denies those requests as agreed upon.
 - Reviewing the current policy and forms for effectiveness and modify as necessary to meet current practices and needs.
7. The Chairperson is responsible for:
 - Setting up committee meetings as needed.
 - Maintaining the digital history either through Microsoft Word or Excel of each vehicle change and action being requested by the various city departments heads. This will enable future committees to:
 - i. Better track department requests and changes.
 - ii. Track overall fleet inventory numbers being maintained within the various city departments along with additions or deletions in a fleet.
 - iii. Track the overall use and the actual service life of different vehicle types being maintained within the city.

Vehicle Replacements/Additions/Deletions/Transfer Request Procedure

- Developing committee agendas for the replacement committee to follow and track the outcome of the committee's decisions on those agenda items.
 - Keeping the City Administrator informed of the action being taken by the committee.
8. In the event where a vehicle request is denied the Chairperson will schedule a future meeting date with committee members present and the affected Department Head (and/or staff member) to discuss the committee's denial. The affected Department spokesperson can at that time present any additional information regarding the denied request for further committee consideration.
9. After all change requests have been approved or denials have been fully vetted by the Committee, the Chairperson will forward the Committee findings to the City Administrator for the final approval or denial.
10. If the City Administrator approves a submitted request the Administrator will:
- Indicate the approval or denial on the request form along with signing and dating the form.
 - Give the original request form back to the Chairperson.
11. Within five (5) days of the approval or denial, the Chairperson will:
- Give the original copy of approved requests to the City Clerk.
 - Provide a copy of all approvals or denials to both the affected Department Head and Finance Director to assist future fleet planning and purchasing purposes.
 - Reconvene the committee if necessary to discuss any additional budgetary considerations made known by the City Administrator regarding the denied requests.
12. If a vehicle cannot be purchased under State Contract or through other approved purchasing consortiums and the purchase cost will be in excess of \$100,000.00 then the City Clerk will notify the Department Director to obtain quotes and start the bidding process. The City Clerk and/or Department Director will accept the bids along with obtaining the City Administrator's approval for purchase. Approved bids require agreements signed by Mayor and City Administrator. For all vehicles that do not need to be purchased through the bidding process the approval to purchase in the budgeted year is granted by the City Administrator's signature on the vehicle request form.
13. The Department Director (or his/her designee) will order, receive, and accept the vehicle.
14. After receiving the vehicle the Department Director submits the following paperwork to the City Clerk:
- Original completed fixed asset sheet for the vehicle.
 - Original Sales receipt/invoice.
 - Certificate of Origin for a Vehicle. (MSO)
 - Copy of the Application to Title/Register a motor vehicle.
 - A copy of the check issued if one was required upon delivery of the vehicle.
15. The City Clerk is responsible to license and insure the vehicle. He/she will then forward the original completed fixed asset sheet to the Finance Director along with a request for payment if a check was not already previously issued.
- Color photo copy of front, side, odometer reading and VIN # of the vehicle.

Public Works Department 2015 Vehicle Replacement

Replacement Vehicle

2003 Ford F-350 #030074 Budgeted Replacement \$47,000.00
 Shop Maintenance Cost: \$2,330.03 Labor Recorded – Hours 70.00
 Summer Use: General Use
 Winter Use: General Use, Watering Rinks

2007 MT Trackless #073501 Budgeted Replacement \$140,000.00
 Shop Maintenance Cost: \$14,262.61 Labor Recorded – Hours 271.50
 Summer Use: Mowing Park Areas and City Property
 Winter Use: Sidewalk Snow Removal and Snow Removal on Walk Paths (16 Miles)

2000 John Deere 624H Loader # 006586 Budgeted Replacement \$222,000.00
 Shop Maintenance Cost: \$37,445.22 Labor Recorded – Hours 240.00
 Winter Use: Snow Removal at Airport and Loading Snow
 Summer Use: Left at WWTP for Their Use Unloading Trucks and Used at Brush/Compost Site

2011 Kubota F3680 Mower #115469 Budgeted Replacement \$31,907.00
 Shop Maintenance Cost: \$3,157.67 Labor Recorded – Hours 108.50
 Winter Use: Sidewalk Snow Removal – Park Area, Blowing Snow Ice Rinks
 Summer Use: Mowing Park Areas, and Sweeping Medians and Walk Paths

2011 Kubota F3680 Mower #115645 Budgeted Replacement \$31,907.00
 Shop Maintenance Cost: \$2,909.55 Labor Recorded – Hours 93.00
 Winter Use: Sidewalk Snow Removal - Park Area, Blow Snow Ice Rinks
 Summer Use: Mowing Park Areas, and Sweeping Medians and Walk Paths

2011 Kubota F3680 Mower #115465 Budgeted Replacement \$31,907.00
 Shop Maintenance Cost: \$2,968.71 Labor Recorded – Hours 69.00
 Summer Use: Mowing Park and City Areas

2011 Kubota ZD331 Mower #113803 Budgeted Replacement \$31,907.00
 Shop Maintenance Cost: \$567.80 Labor Recorded – Hours 25.50
 Summer Use: Mowing Swanson Field Area

2005 Toro Sand Pro #050291 Budgeted Replacement \$30,000.00
 Shop Maintenance Cost: \$370.30 Labor Recorded – Hours 15.00
 Summer Use: Ball Field and Field Maintenance

2005 International Truck #052445 Budgeted Replacement \$170,000.00
 Shop Maintenance Cost: \$10,609.41 Labor Recorded – Hours 210.00
 Winter Use: Plowing Snow Route on Eastside of City – Hauling Snow
 Summer Use: Haul Tree Material, Sand, Gravel, Dirt

Public Works Department General Budget 2014

(For vehicle maintenance, park equipment repairs, tool and equipment maintenance, sewer and water maintenance, and irrigation repairs)

0224 Maintenance of Equipment \$95,000.00
 0334 Maintenance of Equipment by Others \$20,000.00

Vehicles Scheduled For 2015 - Moved to 2017

2005 International Truck #052443 Budgeted Replacement \$170,000.00
 Shop Maintenance Cost: \$10,058.35 Labor Recorded – Hours 180
 Winter Use: Plowing Snow Route Westside of City – Hauling Snow
 Summer Use: Haul Tree Material, Sand, Gravel, Dirt

2005 International Truck #052444 Budgeted Replacement \$170,000.00
 Shop Maintenance Cost: \$13,116.98 Labor Recorded – Hours 173.00
 Winter Use: Plowing Snow Route 1st St. – Hauling Snow
 Summer Use: Haul Tree Material, Sand, Gravel, Dirt

2000 Vermeer Chipper # 007712 Budgeted Replacement \$95,000.00
 Shop Maintenance Cost: \$2,016.55 Labor Recorded – Hours 51.50
 Fall and Winter Use: Trimming Trees

*Some repairs have been done by the operators and are not recorded in maintenance records.

VEHICLE/EQUIPMENT CHANGE REQUEST FORM

Department Head - I am requesting the following to occur:

Check Applicable Box

Addition - (To the overall number of vehicles in our fleet):		
Deletion - (From the overall number of vehicles in our fleet and not to be replaced):		
Replacement - (To be replaced by another vehicle):		XX
Replacement Adjustment - (Move a budgeted vehicle to a different year in the schedule)		
Re-assignment - (Transfer to another City Dept.):		
Fixed Asset Number:	3004.00063	<i>Reminder to Attach Photo</i>
Vehicle Number:	121406	Replacement Cost: \$37,627.00 # 7

(Comments): This vehicle current has 99,861 miles on it. The vehicle is a mainline squad car meaning that it is run 24/7. Although the vehicle is currently operating properly by following a responsible established replacement schedule, this vehicle will have reached its maximum useful life by the time it is scheduled to be replaced in 2015. To maintain the established fleet required for officers to respond to calls, the replacement of this vehicle will become necessary by 2015. Initials: U/W

Operator or Supervisor (comments if applicable):

None

 Initial UW

Mechanic (comments if applicable):

Expected mileage in 2015 is when we start seeing expensive and serious issues - especially with steering and transmissions

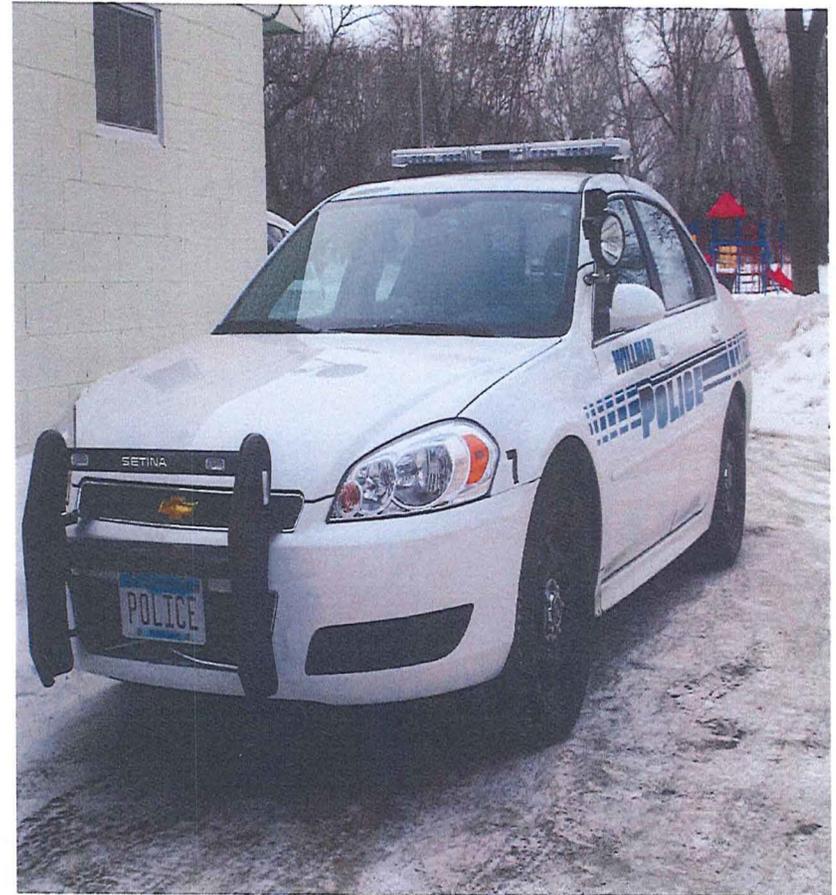
 Initial ADS 3/9/14

APPROVED DENIED

D. Wyllie
 Vehicle/Equipment Committee 4-2-14
 Date

APPROVED DENIED

[Signature]
 City Administrator 4-10-14
 Date

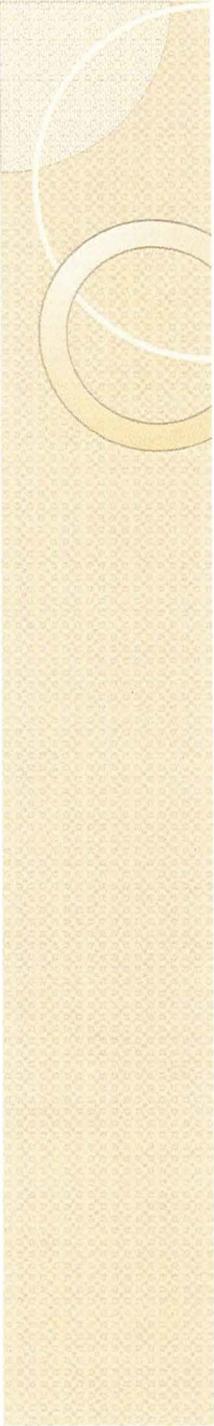




Public Works Department Responsibilities

Each weather season affects the following
Public Works Department tasks:

- 132.81 Miles of Streets (snow removal, street patching)
- 17 Miles of Hiking and Biking Paths
- 101 Miles of Sanitary Sewers
- 60 Miles of Storm Sewers
- 37 Parks (28 Parks with play equipment)
- 310 acres of Parks
- 255 acres of Park area mowed weekly
- 300 acres mowed four times yearly
- 9 parking lots
- 4 skating areas
- 2 hockey rinks
- 6 lighted softball & baseball fields -12 fields total
- Aquatic Center
- Compost/Brush site disposal site
- Trees (planting, trimming, and removal) 16,000 boulevard trees plus park trees
- Street signs
- 1600 fire hydrants
- Airport snow removal
- Catch basin maintenance
- Event preparations
- Street Sweeping
- Assist other department projects



Vehicle Replacement Policy History

- Created in 2009
- Updated in 2012 and 2014



Vehicle Replacement Committee

- Gary Hendrickson, Fire Chief
- Jim Felt, Chief of Police
- Sean Christensen, Public Works Director
- Scott Ledeboer, Public Works Superintendent
- Steve Okins, Finance Director

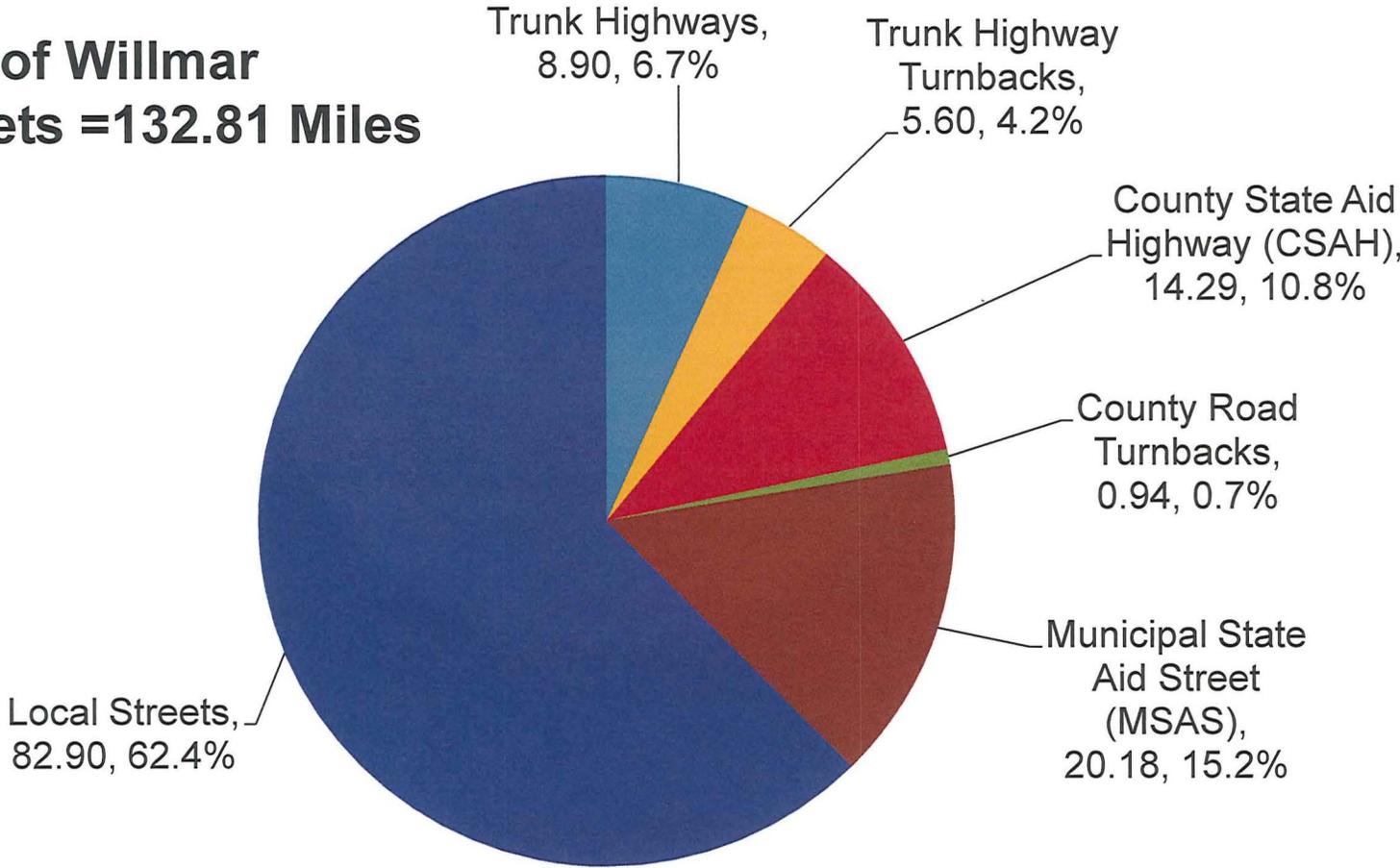


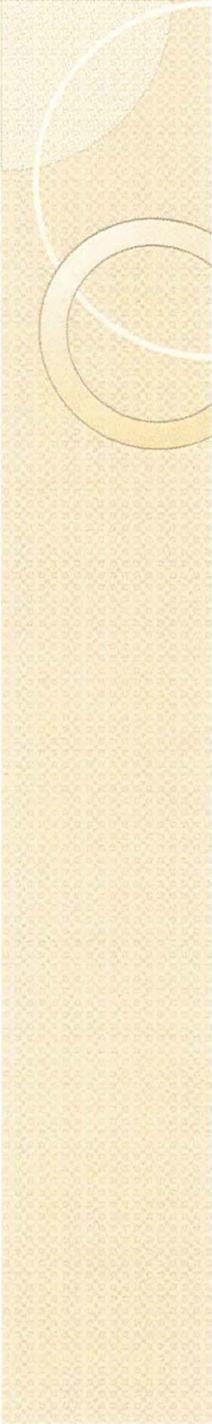
CITY OF WILLMAR

Pavement Management Program

Willmar Street Designations

**City of Willmar
Streets = 132.81 Miles**





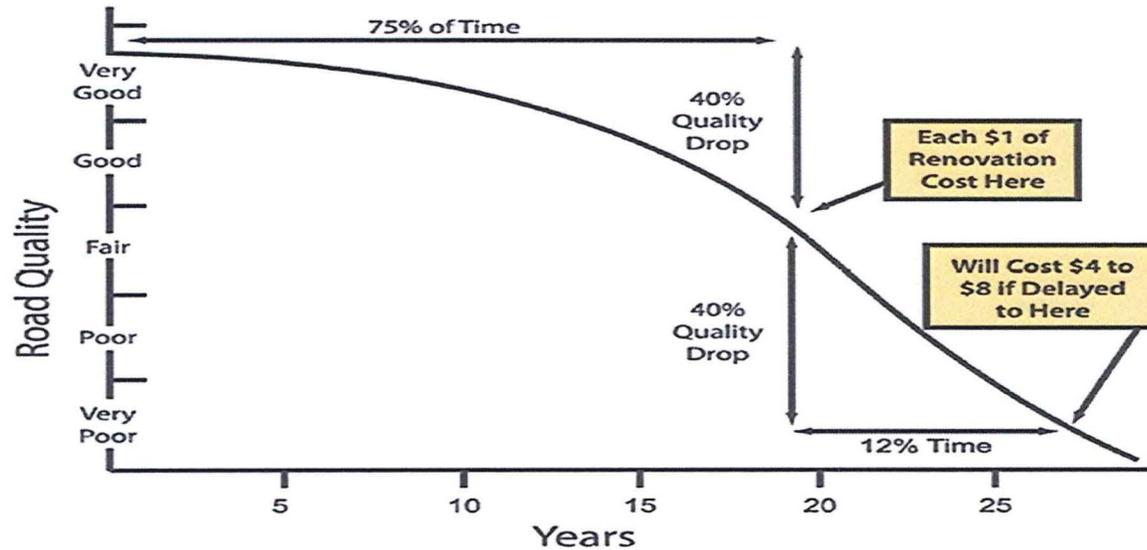
Mileage History

- Total Miles 1967 72.61
- Total Miles 1998 121.17
- Total Miles 2009 132.81

- Reconstructed/New 98-2009 28.27 miles
- Reconstruct/New 2010-15 10.91 miles

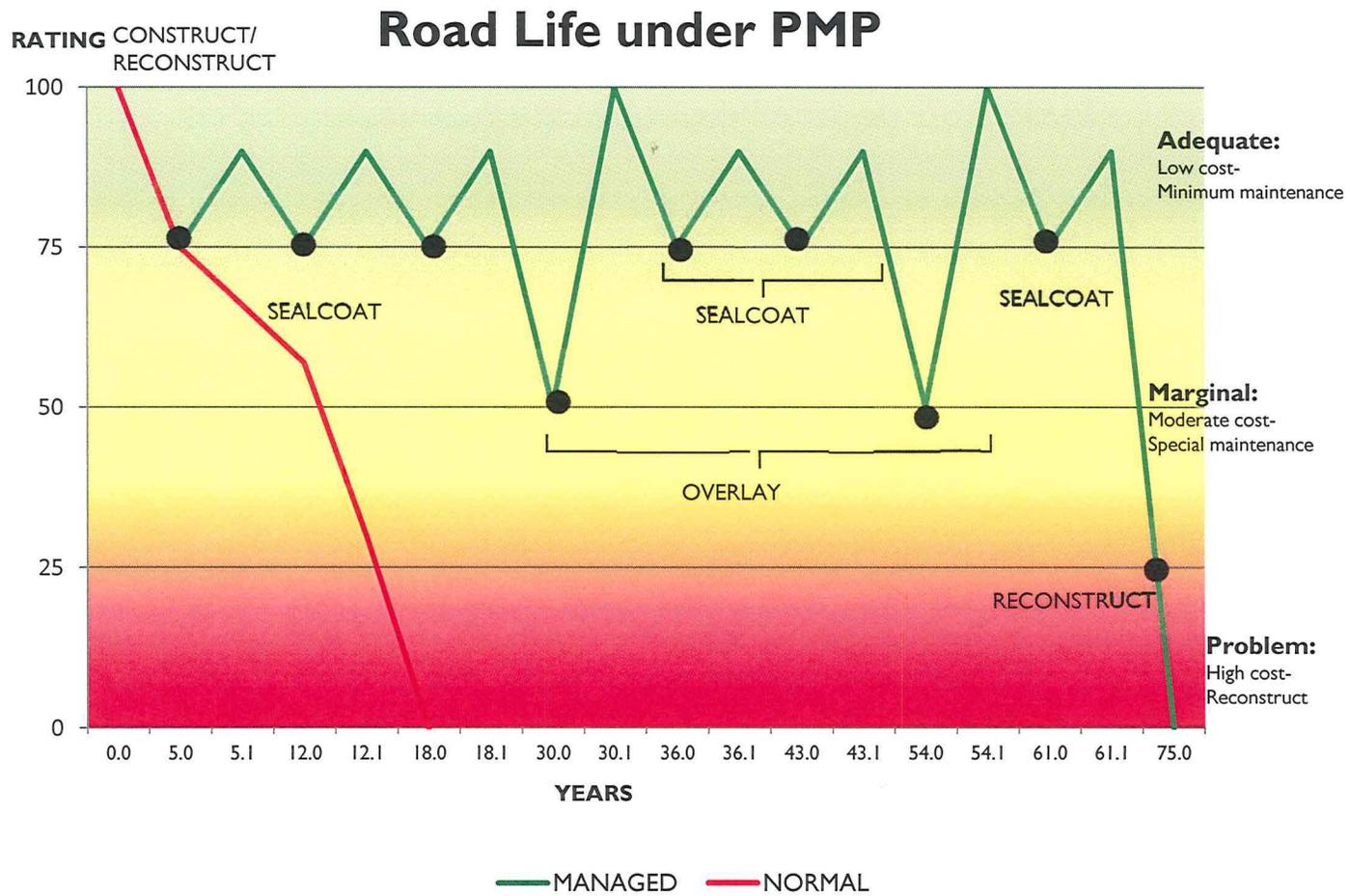
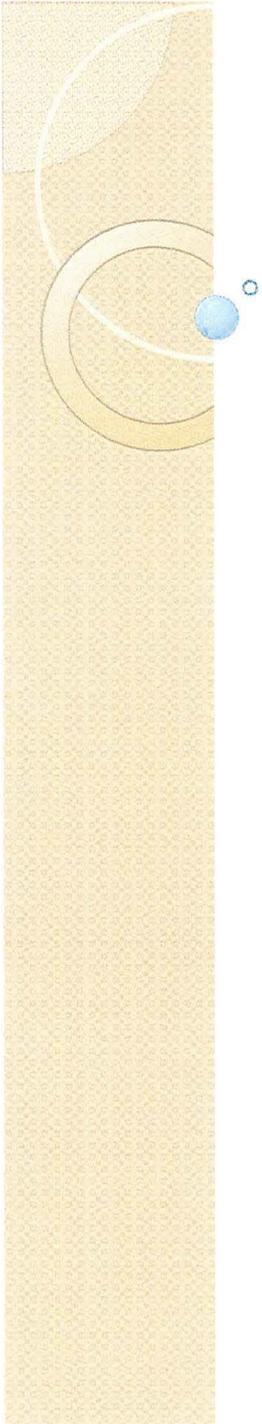
- Street Overlays 98-2009 17.74 miles
- Street Overlays 2010-15 8.39 miles

Road Deterioration vs. Time

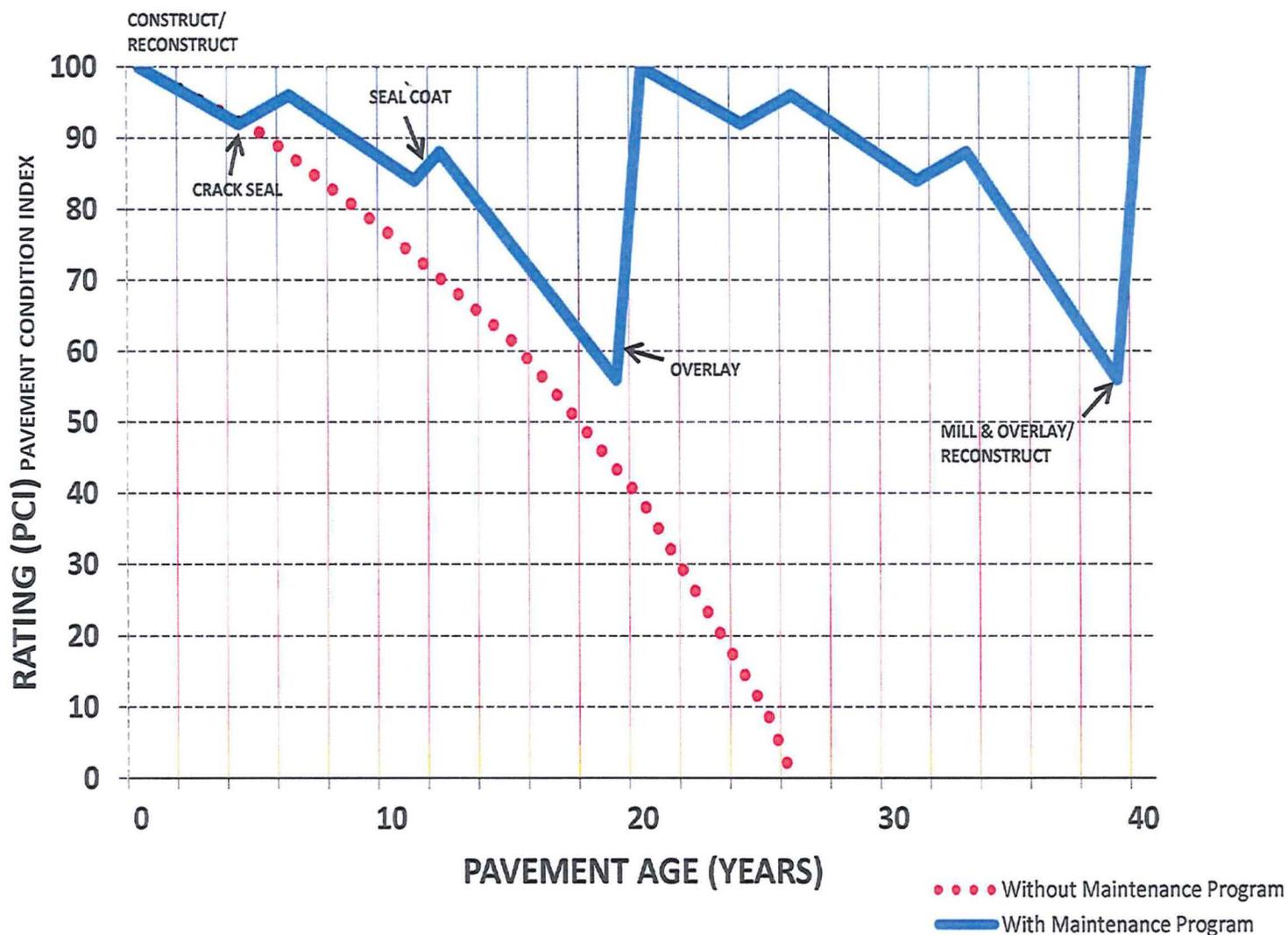


Timely maintenance is the key to getting the maximum life from our pavements. For every dollar not spent on timely preventive maintenance, \$4 to \$8 will be needed for complete reconstruction a few years later.

Source: Pavement Management System



Maintenance Strategies for Life Cycle Extension



Examples of Street Maintenance History

Street Maintenance History

Project / Code	Location	Improvement	Length And Cost	Year Built	Recon struct	Over layed	Seal Coat	Crack Sealed	Rating	Status
2000	23rd St SE		0.21 Mi.	1982	1985	2000	2007	2002	80	Transverse cracking is common. There is some longitudinal and block cracking. Minimal wear. (2010) Tile starting to cause heaving on west side (2012) Councilman Ahmann request - crack sealing
2000	From 3rd Ave SE To Hwy 12		\$0.00							
9101	19th Ave SE		0.17 Mi.	1977	1991	2007	1999	2013	95	MSAS # 175-155-10 SAP 175-155-033 in 2007 (1997) Crack sealed Proposed sanitary sewer from Business 71 to point directly south of existing WWTP. 2007 Overlay- Mill 3" Full Width (2010) Transverse & longitudinal cracking
1991	From 1st St S (TH 71) To 915' east		\$0.00							
Total Cost		\$0.00	Miles:	0.38						



CITY OF
WILLMAR
MINNESOTA

Contacts

Engineering 320-235-4202

Lynden
Senior Technician 320-214-5172
Luke
Survey Technician 320-214-5197
Darrell
Technician 320-214-5171

Sean Christensen
Public Works Director PH 320-235-4252
333 6th Street SW FAX 320-235-4917
Willmar MN 56201 www.willmarmn.gov

VACANT
Assistant City Engineer PH 320-235-4202
333 6th Street SW FAX 320-235-4917
Willmar MN 56201 www.willmarmn.gov

Streets & Park Maintenance 320-235-3827

Scott
Superintendent 320-235-3827
Gary
Working Foreman 320-235-3827

For more information on streets

Construction:
Call Engineering at 320-235-4202.
Maintenance/repair:
Streets & Park Maintenance at 320-235-3827.

Visit the City web site at
www.willmarmn.gov
City of Willmar
Streets & Park Maintenance
801 West Hwy 40
Willmar, MN 56201

Streets & Park Maintenance Hours:
7 a.m. - 3:30 p.m.,
Monday - Friday
Phone: 320-235-3827

Engineering Office Hours:
8 a.m. - 4:30 p.m.,
Monday - Friday
Phone: 320-235-4202

Leave a Message 24 Hours a Day

City of Willmar
Public Works Department
Public Works working for you --

Pavement Management Program (PMP)

The Pavement Management Program (PMP) is a maintenance plan for streets. Maintenance crews perform the proper maintenance techniques at the optimum time. The results include:

- Prolonged pavement life.
- Reduced overall cost for streets.
- Reduced overall assessment rates for property owners.

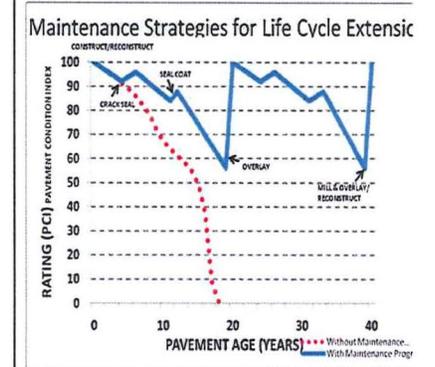
Every street is continually investigated

Willmar has over 130 center lane miles of roadways. That's a lot of pavement -- and the condition of all these road surfaces are in the City's PMP database. How does the PMP work? City staff inspect our streets and assign them PCI (Pavement Condition Index) numbers on a scale of 100 to 1. The numerical designation determines what maintenance needs to be performed:



Affordable price -- PMP equals less costly roads

The typical street with little or no maintenance will last less than 20 years before it needs to be totally rebuilt. By performing periodic pavement sealcoats or overlays at the correct times, a street's lifespan can be more than doubled before costly reconstruction is needed.



Funding the PMP

The Public Works' Pavement Management Program has reduced the overall cost of keeping our streets in good condition. Sealcoating, the low-cost maintenance of roads, is funded from the City's General Fund. Overlay funds come from a variety of sources. Costly reconstruction of a street is funded from State Aid and special assessments to property owners.

Lower assessment policy
Individual properties are only assessed for street reconstruction and, even then, only a portion of the costs. A single-, two-, or three-family residence only pays 50 percent of their portion of a project's cost on the legal address side. Properties such as commercial, industrial or multi-family residences pay 50 percent of their portion of a project's cost on all abutting streets. Other funding sources make up the difference.

Assessment payment options
Road assessments may be paid with a one-time payment or over 10 years with a low simple interest charge.

Construction techniques used in Willmar

Patch and Repair / Cracksealing

What is it? A pothole or a small isolated section is cleaned of loose materials and filled.

A rubberized sealant is placed in cracks which have been thoroughly cleaned and dried. Crack sealing provides a protective coating and seals out water.

Who patches and repairs? The City's Maintenance crews repair our streets.

The City hires contractors for crack sealing.



Sealcoat

What is it? Sealcoat is a wear-resistant coating that protects pavements from oxidation and the effects of moisture.

A bituminous adhesive is sprayed on the existing surface and small graded aggregate rock is applied. Excess aggregate is swept off. Sealcoat is done every 2 years.

Who sealcoats? The City's Maintenance crews sealcoat our streets.

Mill and Overlay

What is it? Bituminous surface is ground off and a new top layer of pavement is constructed. Milling creates an even surface to ensure an even overall thickness to the new overlay, which is critical to ride quality. An overlay is a structural improvement that renews the street surface and extends the life cycle of the original pavement.

Who does mill and overlay? The City hires contractors.



Reconstruction

What is it? Existing asphalt pavement and aggregate base are removed and replaced.

Reconstruction may also involve sub grade soil corrections. For streets that are below current design standards for width, drainage, or curb and gutter, an upgrade may be incorporated.

Who does reconstruction? The City hires contractors.

Glad you asked...

What is a street made from?

Asphalt cement and aggregate (rock) is mixed, heated and spread on a base of gravel.

What will my boulevard look like afterward?

The property owner is responsible for relocating or repair to any private items in the right-of-way. Property owners will need to water the new grass.

Will my underground sprinkler lines be affected?

Yes, if it is in the right-of-way (boulevard). Removal or relocation of a sprinkler system is the responsibility of the property owner.

Will my mail or trash service be disrupted?

No. Regular services will not be affected.

How will the water and sewer lines be affected?

Water, sanitary and storm lines will be checked and repaired as needed.

We have a low spot in front of the house where water doesn't drain. Will it be fixed?

Yes, but please notify Public Works to confirm we are aware of the situation.

Can we have speed bumps to slow traffic?

No. Speed bumps cause safety and maintenance problems and are difficult to plow.

Can I get to my driveway during construction?

Yes, except if curb and gutter concrete is replaced. Concrete requires one week to cure.

How long will construction take?

Two weeks before construction, you will get a notice with important information about the project. Large projects can take the entire summer (approximately three months).

Will my sidewalk be repaired or replaced?

Depending on the condition, sections of sidewalks may be replaced.

During construction

Construction areas are dangerous...

- Stay away from equipment, materials and trenches.
- Be especially careful to keep children away from these areas
- Observe posted detour and/or warning signs.
- Survey stakes are important for project progress, please leave them up for the duration of the project.
- Contractors have many jobs going on simultaneously and may not be in your area for some time. Bad weather and unforeseen factors often extend the completion date.

Uneven road surfaces, dust, mud

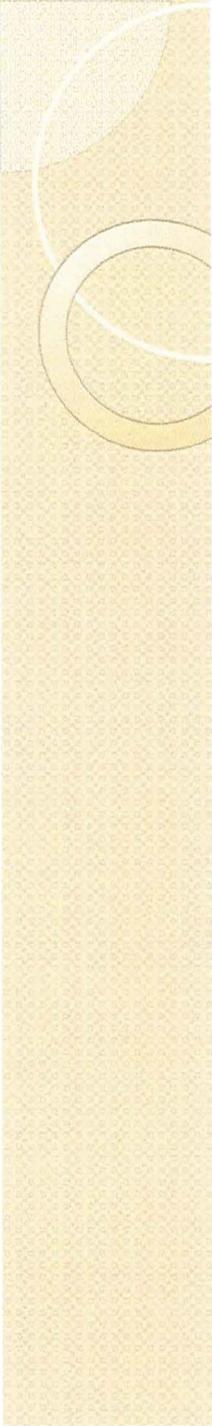
- The street may be rough and have areas where the surfacing has been removed.
- Dust may become a problem in dry weather. Driving slowly will create less dust. The contractor will water streets to reduce dusty conditions.
- In wet weather, muddy conditions may exist. If possible, crews will try to reduce these areas.

Disturbed boulevards, new sod/sod

The contractor will restore the disturbed area to a condition equal to that at the time of removal.

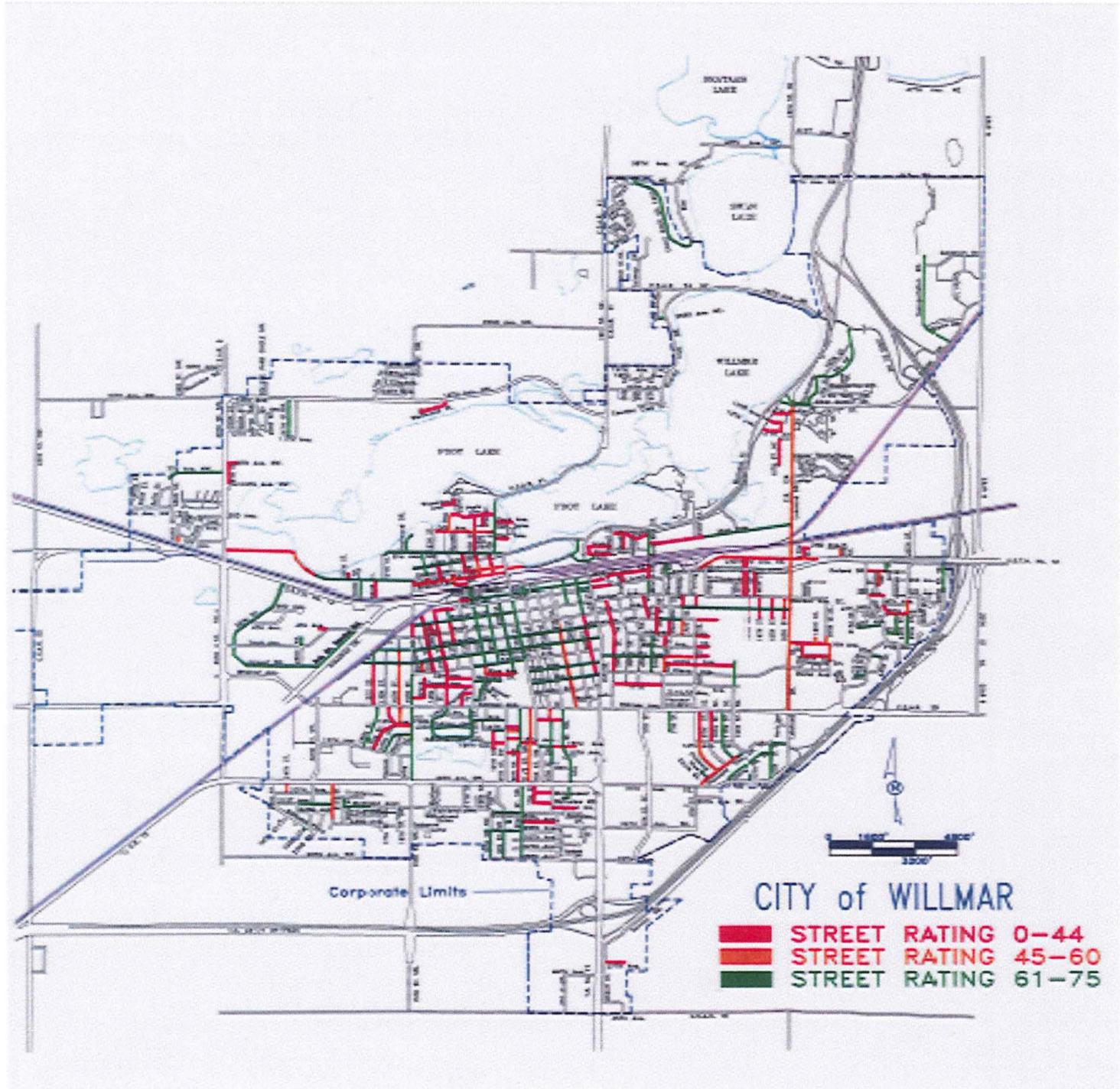
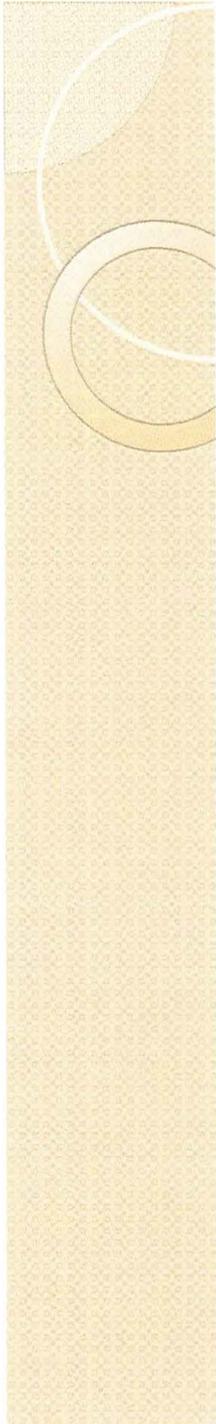
- Remove or relocate any sprinkler system, electrical lighting and/or invisible dog fences from the right-of-way (boulevard). The property owner is responsible for relocating or repair to any private items in the right-of-way.
- The contractor is responsible for new sod/sod for 30 days (30-day warranty).
- When the contractor's responsibility ends, watering becomes the property owner's responsibility.
- New sodding/sod will require frequent watering.
- Do not cut new grass for about 21 days. After that, raise the mower deck when cutting the grass for the first few times. Longer grass promotes a healthy lawn.



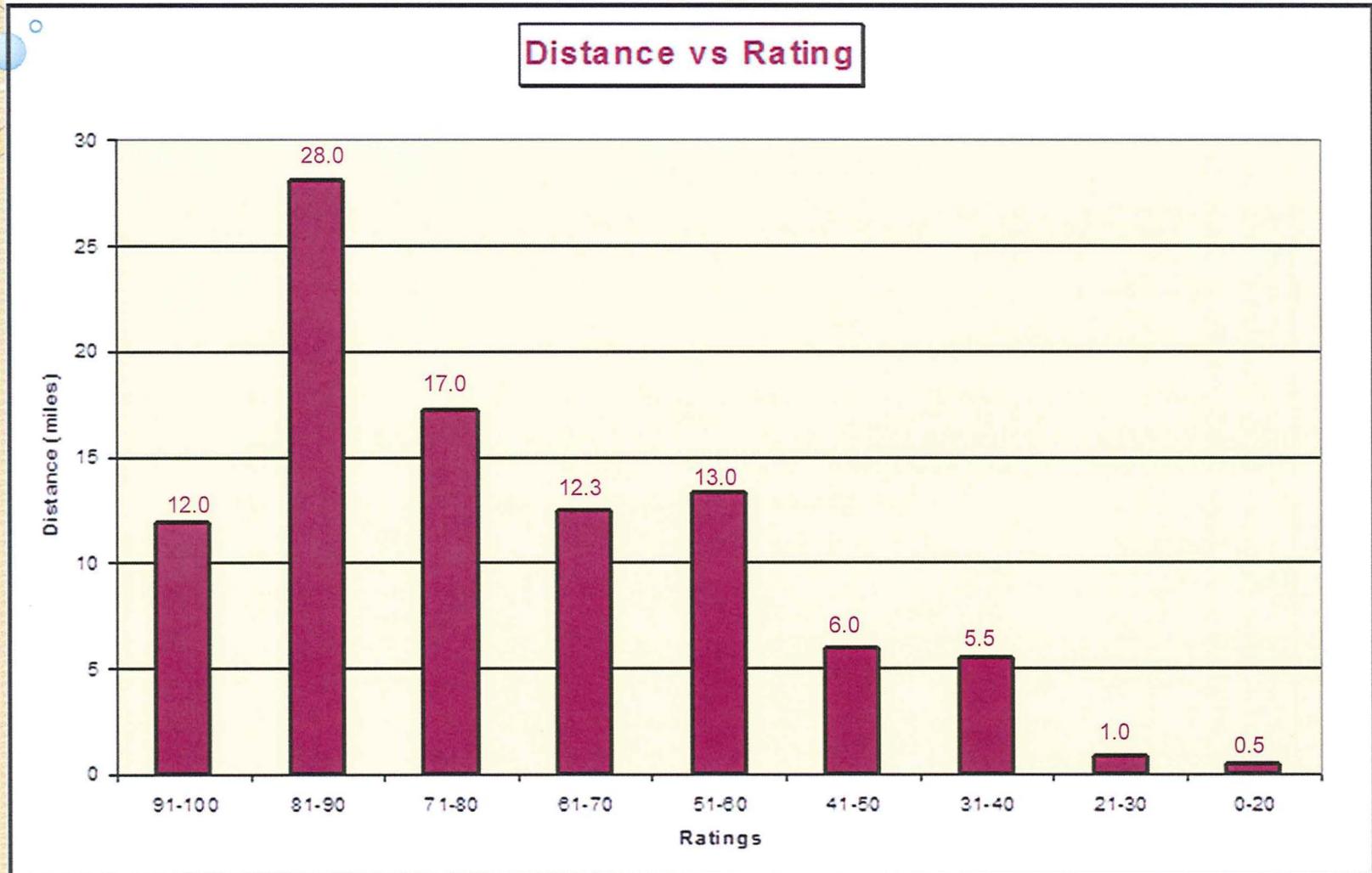


Pavement Condition Index

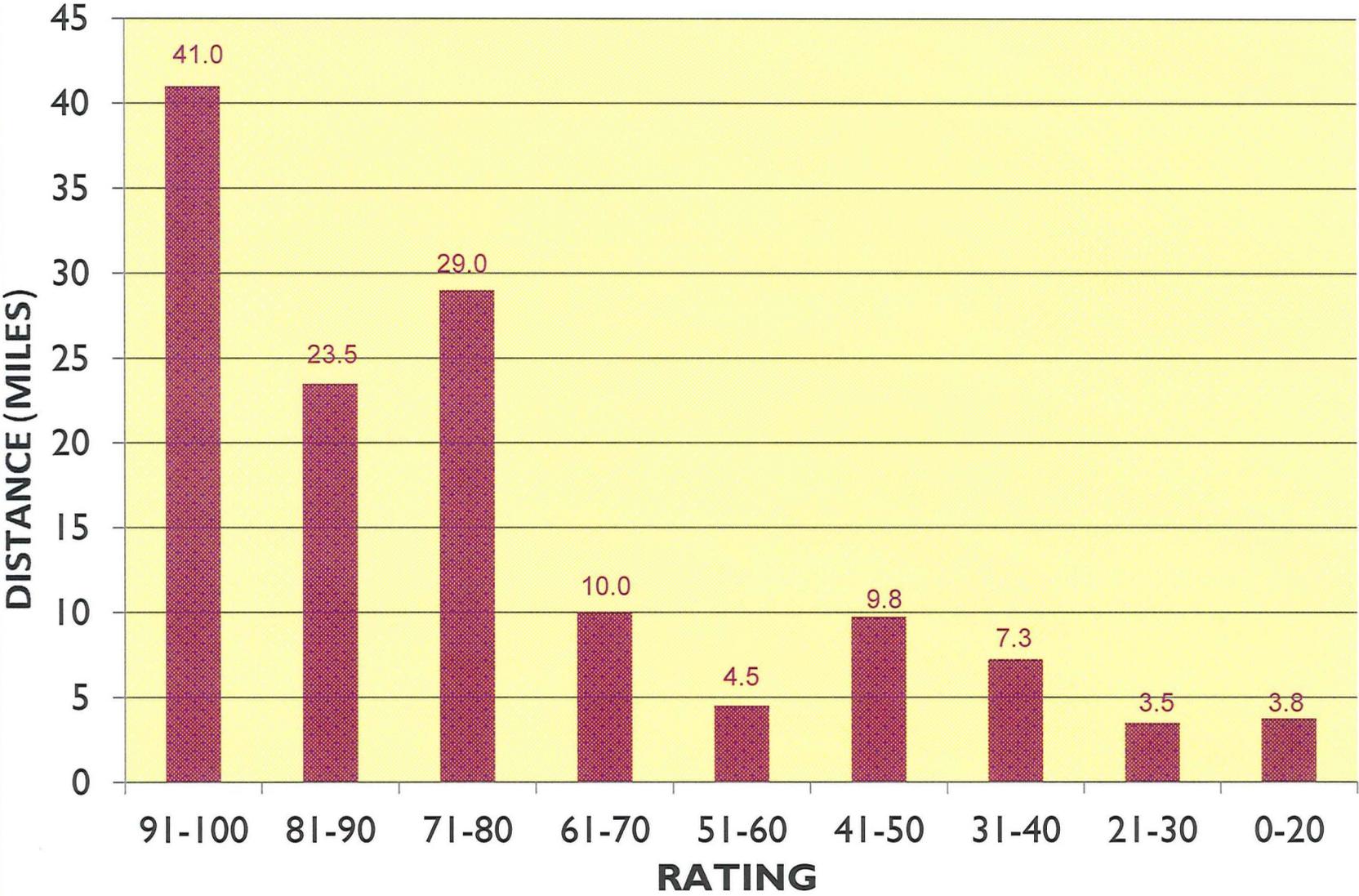
<u>PCI Number</u>	<u>Designation</u>	<u>Maintenance</u>
100	Newly Reconstructed	None
99-71	Adequate	Sealcoat
70-55	Marginal	Mill & Overlay
54 >	Problem	Reconstruct



2000 Distance vs Rating Chart



2009 Distance vs Rating Chart

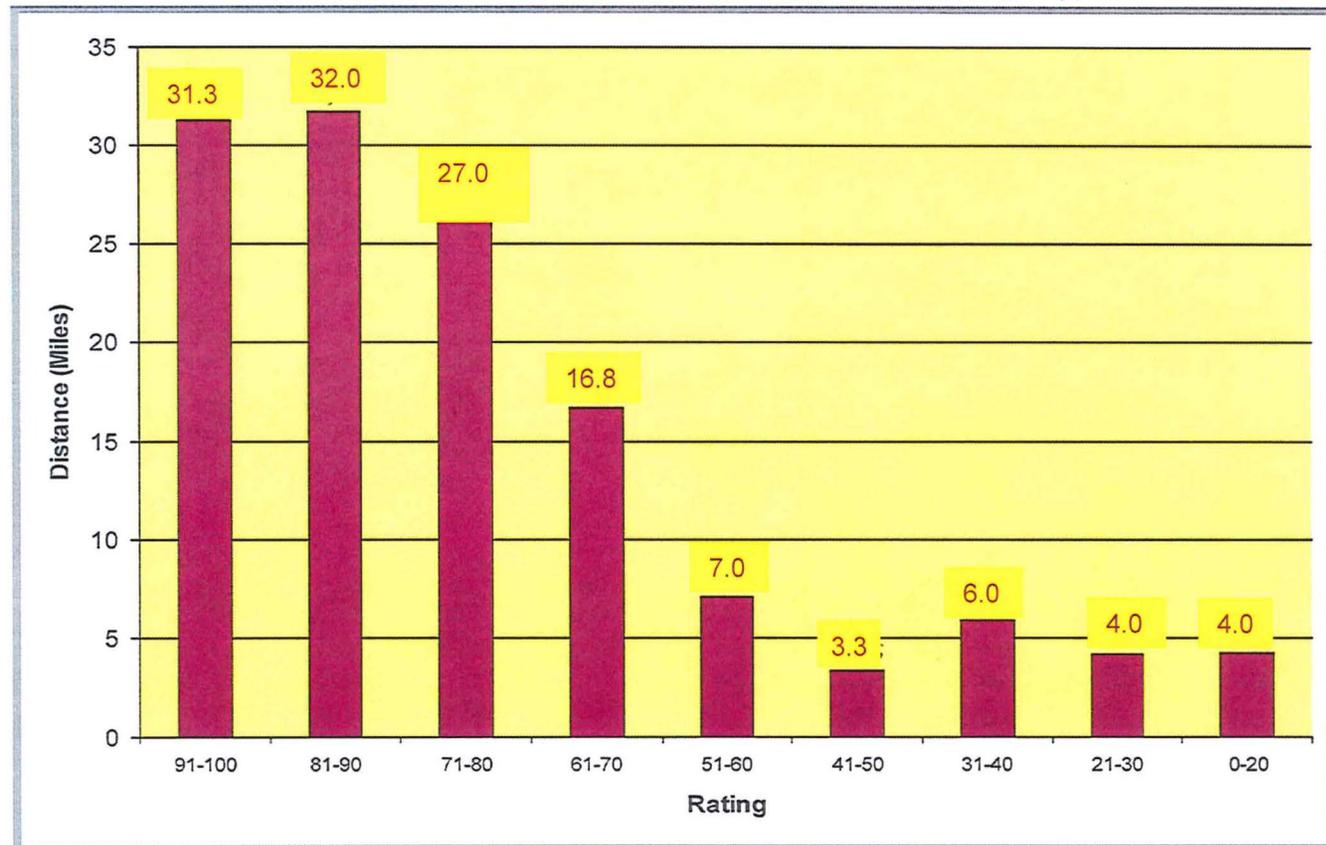


2014 Distance vs Rating Chart

2014
Distance Vs Rating

FunctionalClass <> 'utl' And FunctionalClass <> 'pl' And FunctionalClass <> 'f' And FunctionalClass <> 'pth'

DISTANCE (MILES)

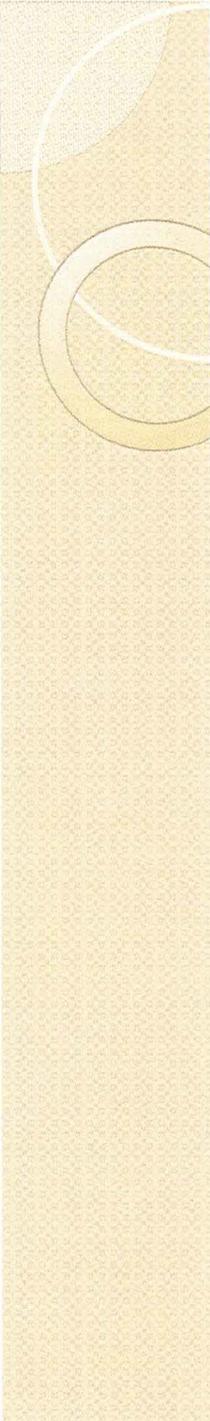


RATING



Street Selection Criteria

- Age/Condition of Water Main per Municipal Utilities
- Age/Condition of Sanitary Sewer
- Storm Water Issues
- Street Maintenance Issues
- Age/Condition of Street Surfaces
- Location in City
- Funding Sources
- Traffic Volume
- Project Coordination



Street/Pavement Improvement Funding

- Bonding (Debt)
 - Assessments
 - Community Investment Fund
 - Public Works Res. (Infr. Utility Fee \$4/month)
 - Future dedicated Levy or Revenues
- Cash
 - Excess Prior Year Revenues
 - Unspent Previous Capital Allocations
- Special Revenues
 - LOST

Street Project Costs

■ Cost/Mile

