Agenda
Village of Glen Ellyn
Special Workshop Meeting
Monday, August 14, 2017
7:00 PM
Glen Ellyn Civic Center, Room 301

Village Board Workshop Procedures Statement

Visitors are most welcome to attend all meetings of the Village Board and can find copies of the Agenda on their chairs or online at www.glenellyn.org prior to the meeting. Any individual with a disability requiring a reasonable accommodation in order to participate in a meeting should contact the Village of Glen Ellyn at 630-469-5000, at least five (5) business days in advance of the next scheduled meeting. All matters on the Agenda may be discussed, amended, and acted upon.

A. Call to Order

B. Pledge of Allegiance

C. Roll Call

D. Audience Participation

1. Open:

   Members of the public are welcome to speak to any item *not* specifically listed on tonight's agenda for up to three minutes. For those items which are on tonight's agenda, the public will have the opportunity to comment at the time the item is discussed. In either case, please complete the Audience Participation form and turn it in to the Village Clerk. It is requested that, if possible, one spokesman for a group be appointed to present the views of the entire group. Speakers who are recognized are requested to step to a microphone and state their name, address and the group they are representing prior to addressing the Village Board.

E. Present the Fiscal Year 2018 Capital Projects Fund Five Year Forecast and 2018 Capital Program (Finance Director Christina Coyle and Professional Engineer Rich Daubert)

1. Five Year Forecast
2. Street Program
3. 5-Year Capital Plan
4. CY18 Capital Program Proposed Budget
5. Unfunded/Unscheduled Project

F. Other Items

G. Adjournment

Glen Ellyn Village Board
535 Duane Street
Glen Ellyn, IL 60137

Meeting: 08/14/17 07:00 PM
Department: Finance
Department Head: Christina Coyle
Category: Budget
Prepared By: Christina Coyle

SCHEDULED

AGENDA ITEM (ID # 2823) DOC ID: 2823

Finance Director Christina Coyle and Professional Engineer Rich Daubert will present the Fiscal Year 2018 Capital Projects Fund Five Year Forecast and 2018 Capital Program

Background on the Capital Budget Process

The Village prepares an annual budget for the Capital Projects Fund. Typically this has been done as part of the normal budget process in the September/October timeframe. This year, we are moving the Capital Projects Fund budget up to August. The purpose of moving this budget up in the schedule is to break the budget into more digestible portions and to provide more time to give meaningful feedback on the capital program.

At the meeting on August 14, staff will be presenting the Capital Projects Fund five year forecast and five year capital plan as well as the 2018 Capital Projects Fund budget. Staff will also be presenting the capital portion of the Water & Sewer Fund and the Parking Fund as those projects are closely tied to the work performed in the Capital Projects Fund and the five year capital plan. Based upon feedback and direction from the Village Board, staff will determine if additional meetings are required to discuss the capital budget. The Village Board will not formally approve the capital budget until the entire 2018 budget is approved in November.

One capital fund which will not be addressed at the August 14 meeting is the Facilities Maintenance Reserve Fund. The Village is waiting to receive revised estimates on the potential Civic Center renovation costs as well as feedback from the Civic Center work group to present a budget for the Facilities Maintenance Reserve Fund. Also, the discussion on August 14 will not focus on operating capital purchases. Operating capital purchases will be discussed as part of the operating budget.

Capital Program Summary and Goals

The infrastructure built and maintained by the Village provides the backbone or grid for the community to operate. This infrastructure is created through the planning and execution of a capital projects program, which includes design, construction, and significant maintenance of streets, water and sanitary infrastructure, storm and water sewers, street lights, public facilities, and sidewalks. Capital projects give rise to large, tangible Village assets. Municipal governments need to identify long-term capital needs and create an effective plan in which to maintain and enhance infrastructure.

Capital planning and budgeting is a continual process for the Village. Successful project completion relies upon the execution of the goals that the Village has targeted. This coming year, the Village plans to execute the following goals:

- Implement a plan to prioritize and address unfunded and/or unscheduled capital projects including Village facilities, Central Business District (CBD) street and streetscape plans, CBD over/underpass, and a downtown parking structure.

- Determine the scope of the Central Business District street and streetscape work.
- Execute the Fiscal Year 2018 capital budget.

Capital Planning

The Village has three major components of its capital planning process. First, the Village has a 10-year Capital Plan. This is a long-term plan that is updated for major shifts in the Village's philosophy in the capital program. Secondly, the Village has a 5-Year Capital Improvement Plan which is updated annually during the budget process. Finally, the last component is the annual capital budget approved by the Village Board which sets the capital program for the budget year.

About the 10-Year Capital Plan

In November 2012, the Village updated its 10-Year Capital Improvements Plan to detail the investment into its infrastructure over the next 10 years. This plan was presented to the Village Board at the November 19, 2012 Village Board Workshop and detailed the anticipated investment for all of the Village funds. At a Village Board Workshop on July 21, 2014, a proposed revision to the 10-Year Capital Improvement Plan was presented to the Village Board. This revision included deferring reconstruction of curb-less roadways in favor of only resurfacing those roads to provide funds for major unfunded/unscheduled capital projects including a police station, storm water improvements, a central business district parking structure and central business district roadway and streetscape improvements. The 10-year Capital Plan addresses the following funds below. Those funds below will be discussed at the August 14 meeting.

- **Capital Projects Fund -** for the design, construction, and significant maintenance of streets, storm sewers, and sidewalks within the Village.
- **Motor Fuel Tax Fund -** for capital projects which meet the narrow parameters established by state statute.
- **Water & Sewer Fund -** for replacement and enhancement of the Village's Water & Sewer infrastructure.
- **Parking Fund -** for significant maintenance and construction/reconstruction of the Village parking lots.

These funds will be discussed at a future board meeting:

- **Facilities Maintenance Reserve Fund** - for capital replacement and enhancement of Village buildings, including staff facilities, fire stations, and properties purchased for

Glen Ellyn History Park.

- **General Fund -** for information technology replacement and enhancement as well as incidental capital equipment purchased by Village General Fund departments.

- **Recreation Fund -** for capital replacement and enhancement of the Village Links golf course, clubhouse, and fleet, as well as any improvements necessary to Panfish Park, Lambert Lake Nature Preserve, and Co-Op Park.

An important component in the 10-year Capital Plan is the identification of unfunded and unscheduled projects. Identification of these projects helps begin or continue the process of prioritizing these projects with other Village needs.

About the 5-Year Capital Improvement Plan

Each year as part of the budget process, the Village updates its 5-year Capital Improvement Plan (CIP). This 5-year CIP also includes all funds of the Village. The 10-Year Capital Plan provides the blueprint to assemble the 5-year CIP. Modifications are then made to reflect changes in priority, scope, timing, and availability of financial resources and staff to complete the projects. The Village budget for the current year is then honed to the 5-year CIP, and those projects included in the upcoming budget year are approved conceptually by the Village Board through the budget approval process.

About the Funds

At the meeting on August 14, the presentation will focus on the capital components of the Capital Projects Fund, Water and Sewer Fund, and Parking Fund.

Capital Projects Fund

The Capital Projects Fund is used primarily for the design, construction, and significant maintenance of streets, storm sewers and sidewalks within the Village. Funding is primarily obtained through taxes on the use of natural gas, electricity and telecommunications services. A real estate transfer tax was added in December of 2000 in connection with a 20 year street and storm sewer improvement plan. Beginning in FY09/10, the use of a portion of the Village property tax has been allocated to continue our investment in public infrastructure assets and to provide a stable revenue source into the future.

Other revenues include a stormwater "fee in lieu" which is collected on developments that add impervious surface area and are unable to provide adequate on-site detention of storm-water runoff. These impact fees are to be used to fund storm sewer system improvements in the Village. The Capital Projects Fund also generates some additional revenues through the periodic sale of unneeded Village-owned land / rights of way and applies these funds toward future Village property purchases, where desirable.

Water & Sewer Fund
The Water & Sewer Fund capital program should be discussed at the same time as the Capital Projects Fund as many of the street projects also have components of the project which improve our water and sewer infrastructure. The component of the infrastructure project that focuses on the water and sewer infrastructure should be funded from the Water & Sewer Fund. The Water & Sewer Fund also has stand-alone capital projects which are not part of the street program.

Motor Fuel Tax Fund
Part of the Crescent Boulevard project was funded from Motor Fuel Tax monies. The Village has not received a final invoice from the State of Illinois for this project. Thus, amounts are forecast to pay the final payment on this project.

Parking Fund
The last fund that will be discussed at the meeting is the Parking Fund. The meeting will focus only on the capital component of the parking fund, not the entire Parking Fund budget. The Board will also be reviewing in September the long-term forecast for the Parking Fund as well as a rate analysis.

Attachments for Review and Discussion

Capital Projects Fund Five Year Forecast

This Forecast will be presented at the meeting by Finance Director Coyle and will review a five year forward look at the Capital Projects Fund.

Capital Projects Five Year Capital Improvement Plan

This plan ties into the Five Year Forecast and provides a five year detailed list of projects for the Capital Projects Fund, Water & Sewer Fund, and Parking Fund. Professional Engineer Daubert will present highlights of this plan at the meeting.

Engineering Presentation for 2018 Budget

This PowerPoint presentation will be presented by Professional Engineer Daubert and highlights the road program and major projects planned for the 2018 budget.

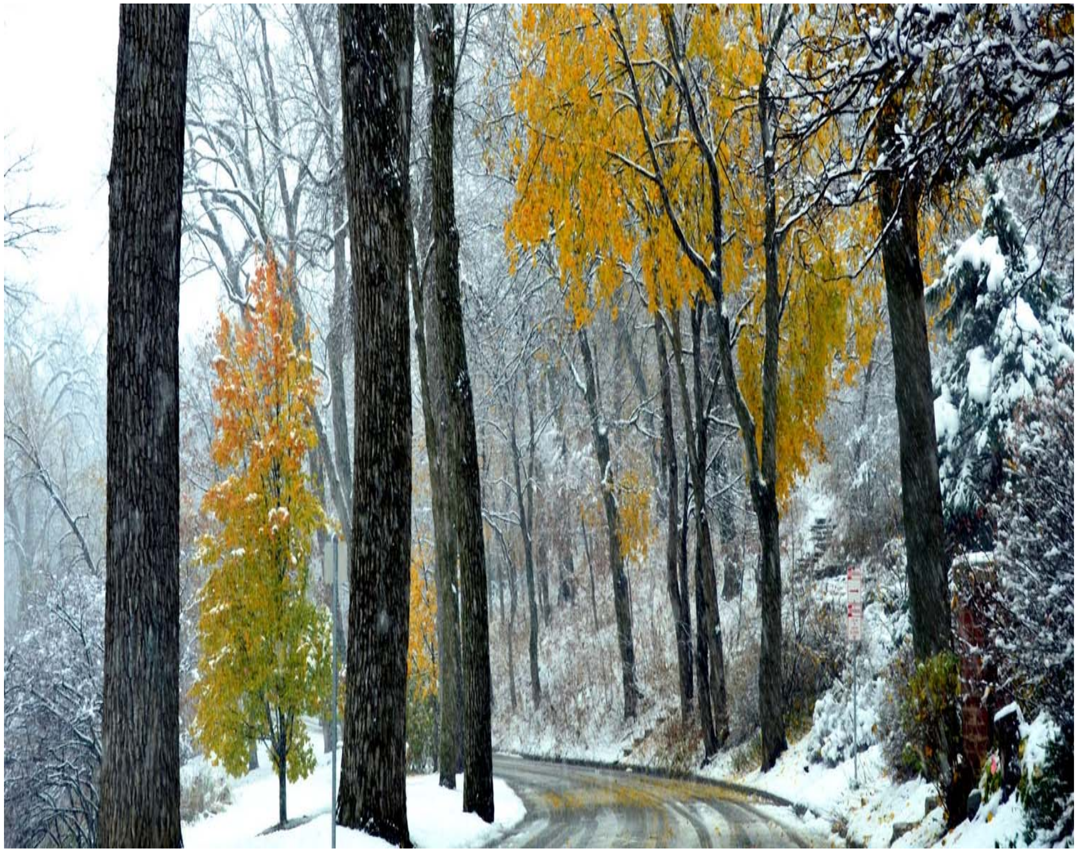
2016 PCI Map

The attached map presents the results of the 2016 Pavement Condition Index (PCI) study in a visual format. Professional Engineer Daubert will discuss highlights of the study at the meeting.

ATTACHMENTS:

- Capital Projects Fund 5-Year Forecast (PDF)

- 5 Year CIP Updated 8-1-2017 (PDF)
- Engineering Presentation for 2018 Budget (PDF)
- 2016 PCI Map (PDF)



CAPITAL PROJECTS FUND

About the 5 year forecast

- Developed annually as a tool for the budget process.
- Forecast is a model to project future activity and is not a prediction of what will happen.
- Each year’s experience will vary.
- Highlights long-term financial trends in revenues and expenditures/expenses.
- Identify future imbalances (deficits).

Revenues - 2017 Budget vs. 2017 Estimated

	2017 Budget	2017 Estimated	Positive/(Negative) Variance
Property Tax	$3,587,720	$3,588,000	$280
Utility Taxes	$2,099,000	$2,054,000	($45,000)
Real Estate Transfer Tax	$815,000	$730,000	($85,000)
Grant Revenue	$1,936,971	$415,790	($1,521,181)
Forfeiture Funds	$300,000	$300,000	$-
Water & Sewer Contr.	$100,000	$100,000	$-
Misc. Income	$753,000	$830,000	$77,000
Interest Income	$60,000	$80,000	$20,000
Total	**$9,651,691**	**$8,097,790**	**($1,553,901)**

Capital Projects Fund – Revenues

Revenue	Forecast Growth Rate	2017 est.	2018	2019	2020	2021	2022
Property Tax	3.00%	$3,588,000	$3,705,516	$3,816,681	$3,931,182	$4,049,117	$4,170,591
Telecommunications Tax	-4.00%	760,000	729,600	700,416	672,399	645,503	619,683
Electricity Tax	0.00%	980,000	980,000	980,000	980,000	980,000	980,000
Natural Gas Tax	1.50%	314,000	318,710	323,491	328,343	333,268	338,267
Real Estate Transfer Tax	3.23%	730,000	753,579	777,920	803,046	828,985	855,761
Grants	N/A	415,790	3,487,816	-	475,000	-	-
Interest	1.00%	80,000	60,000	60,600	61,206	61,818	62,436
Miscellaneous Income	1.00%	830,000	80,000	83,000	83,830	84,668	85,515
Forfeiture Funds	N/A	300,000	300,000	300,000	260,000	-	-
Water & Sewer Contribution	N/A	100,000	-	-	-	-	-
Total		**$8,097,790**	**$10,415,221**	**$7,042,108**	**$7,595,007**	**$6,983,360**	**$7,112,254**
Total re-occurring revenues		**$6,568,000**	**$6,627,405**	**$6,742,108**	**$6,860,007**	**$6,983,360**	**$7,112,254**
Growth rate - reoccurring revenues			**1.46%**	**1.73%**	**1.75%**	**1.80%**	**1.85%**

Capital Projects Fund – Revenues

Revenue	2017 est.	2018	2019	2020	2021	2022
Total re-occurring revenues	$6,532,000	$6,627,405	$6,742,108	$6,860,007	$6,983,360	$7,112,254
Growth rate - reoccurring revenues		1.46%	1.73%	1.75%	1.80%	1.85%

Problem: The growth rate of regular recurring revenue streams is just short of 2% per year. If this forecast is accurate, this is unlikely to keep pace with construction cost inflation increases.

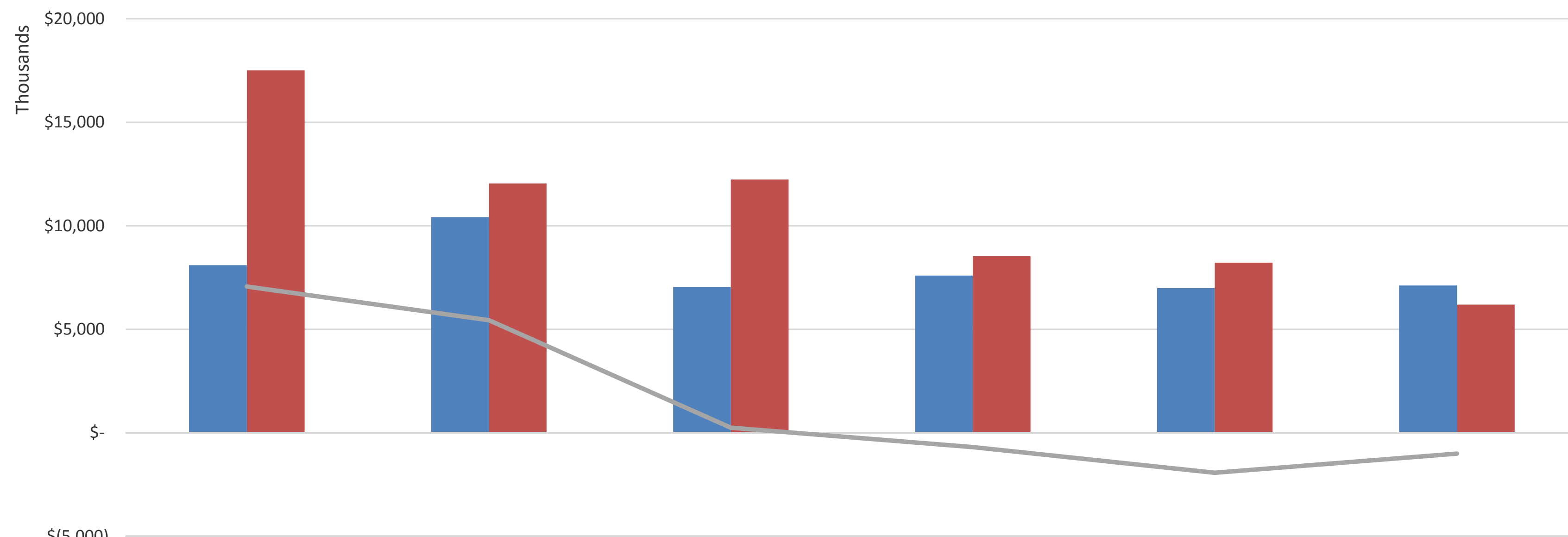
Poor growth rate is due to declining telecommunication taxes and flat electric and natural gas taxes.

Capital Projects Fund – Expenditures

Expenditure Type	2017 Est.	2018	2019	2020	2021	2022
Non-Roadway Program	$1,406,610	$4,083,393	$516,000	$416,000	$341,000	$216,000
Police Station	9,273,000	-	-	-	-	-
Road Program	5,874,096	7,005,000	10,766,648	7,161,851	6,922,361	5,020,355
Debt Service	954,044	953,544	852,844	956,494	954,544	957,144
Total	**$17,507,750**	**$12,041,937**	**$12,235,492**	**$8,534,345**	**$8,217,905**	**$6,193,499**

- Professional Engineer Daubert will present the 5 year CIP
- Several large projects are programmed including the Taylor Avenue Pedestrian Overpass, CBD Streets and Streetscape

Capital Projects Fund Forecast

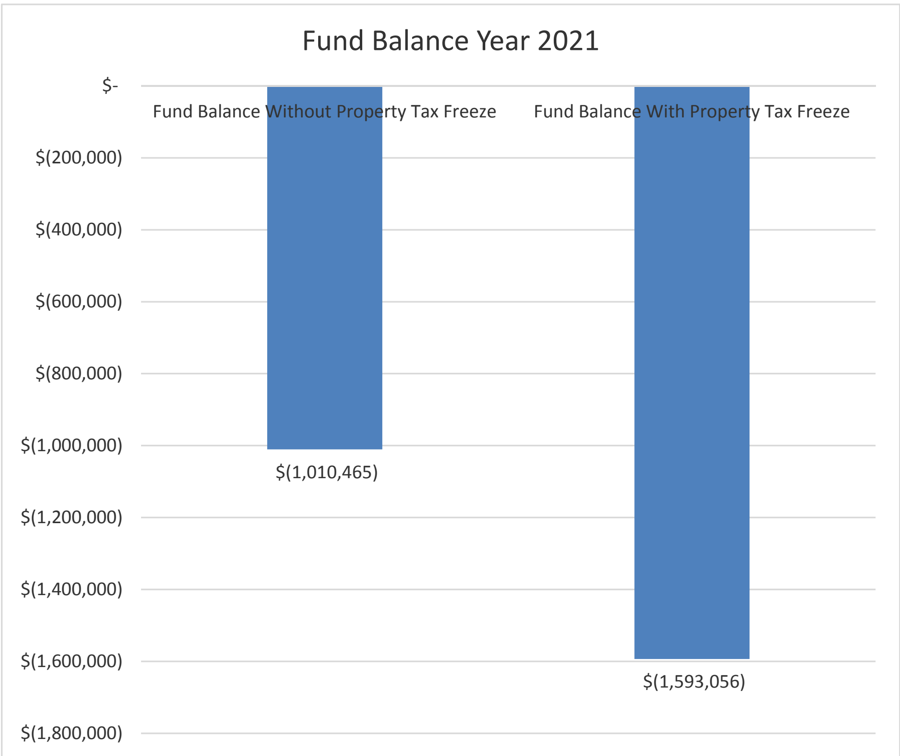


	2017	2018	2019	2020	2021	2022
Revenues	$8,097,790	$10,415,221	$7,042,108	$7,595,007	$6,983,360	$7,112,254
Expenditure	$17,507,750	$12,041,937	$12,235,492	$8,534,345	$8,217,905	$6,193,499
Fund Balance EOY	$7,064,764	$5,438,048	$244,664	$(694,675)	$(1,929,219)	$(1,010,465)

Revenues Expenditure Fund Balance EOY

- In the Capital Projects Fund, expenditures vary year-to-year dependent upon the types of projects that are undertaken.
- Negative fund balance is projected in 2020. The Board will need to decide as we move closer to that date how to mitigate this deficit.

What would a property tax freeze cost the Village over 5 years in the Capital Projects Fund?



- The Village is a home rule community that is not legally bound by tax caps.
- However, the Village traditionally holds itself to the tax cap philosophy, which means the Village increases its levy for new growth and CPI only. This philosophy favors gradual increases over time rather than creating spikes in property tax rates.
- Over 5 years, the Village would forego $582,000 of revenue that would have to be made up from other revenue sources or through reductions to our capital plan.
- Funding for capital projects will be compromised if property taxes are frozen.

Unscheduled/Unfunded Capital Projects

- Several projects remain unscheduled and unfunded, namely those projects in the chart at right.
- Future planning will need to address how to fund these needs.
- Grant funds will be sought to address some of the funding needs, particularly for the Pedestrian Tunnel and Viaduct/Underpass.

Capital and Water & Sewer Fund Projects		
Project	Estimated Cost	Notes
CBD Pedestrian Bridge/Train Station	$6-10 million	Unscheduled/Unfunded (Applying for grants in 2019)
Viaduct/Underpass	$25-50 million	Unscheduled/Unfunded
CBD Parking Structure(s)	Unknown	Village portion of mixed use private development or stand alone project
Hill Ave. Sewer/Water Extension	$4.5 million	Unscheduled/Unfunded
Reconstruction of Scott/Clifton/Cumnor Area	$1.5-3 million (No Sanitary Sewer Extension)	Unscheduled/Unfunded
Purchase of downtown property	Unknown	Unscheduled/Unfunded
CBD Street and Streetscape	$4.5 million budgeted	Need to revisit design alternatives, total cost, and funding options
Other Funds Projects		
Fire Station(s) – Fire Services Fund – 2020-2025 Project	$5-10 million	Fire Services Capital Fee added in 2017. Scope, cost, and schedule of improvement to be determined
Civic Center – Facilities Reserve Fund)	Obtaining Estimated Costs	Unscheduled/Unfunded

Next Steps for Capital Project Fund

- The Board should provide direction on unscheduled/unfunded projects and how to proceed forward.
- The Board will need to provide direction on the property tax levy for the Capital Fund.

Glen Ellyn

5-Year Capital Improvement Plan

Capital Projects Fund

	Capital Fund	CY2017 PROJECTED	CY2018 FORECAST	CY2019 FORECAST	CY2020 FORECAST	CY2021 FORECAST	CY2022 FORECAST
Revenues:							
	Property Taxes	$ 3,588,000	$ 3,705,516	$ 3,816,681	$ 3,931,182	$ 4,049,117	$ 4,170,591
	Telecommunications Tax	760,000	729,600	700,416	672,399	645,503	619,683
	Electricity Use Tax	980,000	980,000	980,000	980,000	980,000	980,000
	Natural Gas Use Tax	314,000	318,710	323,491	328,343	333,268	338,267
	Real Estate Transfer Tax	730,000	753,579	777,920	803,046	828,985	855,761
	Grant Revenue	415,790	3,487,816	-	475,000	-	-
	Sale of Property	750,000	-	-	-	-	-
	Water & Sewer Contribution for Police Project	100,000	-	-	-	-	-
	Forfeiture Funds - To reimburse police station project	300,000	300,000	300,000	260,000	-	-
	Miscellaneous Income	80,000	80,000	83,000	83,830	84,668	85,515
	Interest Income	80,000	60,000	60,600	61,206	61,818	62,436
	Total Revenues	**$ 8,097,790**	**$ 10,415,221**	**$ 7,042,108**	**$ 7,595,007**	**$ 6,983,360**	**$ 7,112,254**
Expenditures:							
Non-Roadway Construction Projects:							
	Minor capital investment/other expenditures	$ 23,500	$ 28,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000
	Village Green Storm Sewer Replacement	-	300,000	-	-	-	-
	Riford Road Drainage Improvements	70,000	-	-	-	-	-
	725 and 729 Riford Various Improvements and Expenditur	36,600	-	-	-	-	-
GF1	Lake Ellyn Improvements	46,010	-	-	-	-	-
	Lake Road Undergrounding	47,236	-	-	-	-	-
	Hill Avenue Bridge	150,000	55,000	-	-	-	-
	Hill Avenue Roadway Improvements (Village Contribution	-	-	180,000	-	-	-
	Hill Avenue Utility Sewer and Water (Phase I)				200,000		
	Prairie Path Resurfacing	38,000	-	-	-	-	-
	Royal Glen Infrastructure Improvements					125,000	
	Saint Charles Road Salt Storage Facility	-	75,000	25,000	-	-	-
	Street Lighting Improvements - CBD	512,500	-	-	-	-	-
	Street Lighting Improvements - 5 Corners	-	70,000	-	-	-	-
	Street Lighting Improvements - Roosevelt Road	14,160	-	-	-	-	-
	Other Projects: Stormwater, Traffic, etc.	50,000	50,000	50,000	50,000	50,000	50,000
	Streetscape and Signage	-	45,000	45,000	-	-	-
	Special Engineering Projects						
GF2	Taylor Avenue Pedestrian Tunnel	171,000	2,800,000	-	-	-	-
	Train Station/Pedestrian Bridge Phase I	100,000	140,000	-	-	-	-
	CBD Over/Underpass Feasibility Study	-	-	-	-	-	-
GF3	Sidewalk Program	76,440	472,000	200,000	150,000	150,000	150,000
	IDOT Crosswalks	71,164	48,393	-	-	-	-
	Police Station	9,273,000	-	-	-	-	-
	subtotal non-roadway	10,679,610	4,083,393	516,000	416,000	341,000	216,000
Roadway Rehabilitation Program							
	Pavement Preservation Program	500,000	500,000	500,000	500,000	500,000	500,000
	Pavement Condition Survey	1,950	-	-	25,000	-	-
	Baker Hill Ingress/Egress Improvements	50,000	500,000	-	-	-	-
GF4	Crescent Boulevard Reconstruction	28,396	150,000	160,000	-	-	-
	Lambert and Taft Intersection Improvements	6,600	-	110,000	-	-	-
	2016 and 2017 Street Resurfacing	1,932,750	-	-	-	-	-
	Elm-Oak-Geneva Improvements	270,000	-	-	-	-	-
	Kenilworth-Alley Improvements	940,000	-	-	-	-	-
	Montclair-East-Davis-Smith Improvements	1,500,000	280,000	-	-	-	-
GF6	North Park Boulevard STP Reconstruction Project (Roosev	210,000	3,252,500	-	-	-	-
GF7	Main Street STP Resurfacing (Roosevelt to Fairview)	-	313,500	-	-	-	-
	Bemis Road Reconstruction (Route 53 to Sunny Brook)	-	-	150,000	1,890,216	-	-
	DuPage (Nicoll to Bryant) & Nicoll (Roosevelt to DuPage) S	-	-	770,000	-	-	-
	2015 Annexation Areas - Glen Crest Subdivision	-	-	-	1,415,676	-	-
	Future Street Resurfacing/Reconstruction Projects	-	1,250,000	4,363,648	1,866,250	5,401,361	3,745,355
	Concrete Street Patching and Rehabilitation Program	-	-	-	550,000	-	550,000
	CBD Underground Improvements Study	155,000	-	-	-	-	-
	CBD Roadway and Streetscape	6,500	250,000	4,500,000	-	-	-
	Sheehan Avenue Improvements	-	-	-	697,709	-	-
	Misc. Project Close Outs	-	-	-	-	-	-
	IFT / General Fund Engineering	202,900	209,000	213,000	217,000	221,000	225,000
	Engineering for Future Projects	70,000	300,000	-	-	-	-
	subtotal road program	5,874,096	7,005,000	10,766,648	7,161,851	6,922,361	5,020,355
	Total Improvements - Capital Projects Fund	**$ 16,553,706**	**$ 11,088,393**	**$ 11,282,648**	**$ 7,577,851**	**$ 7,263,361**	**$ 5,236,355**
	Bond Repayments	**$ 954,044**	**$ 953,544**	**$ 952,844**	**$ 956,494**	**$ 954,544**	**$ 957,144**
	Total Expenditures - Capital Projects Fund	**$ 17,507,750**	**$ 12,041,937**	**$ 12,235,492**	**$ 8,534,345**	**$ 8,217,905**	**$ 6,193,499**
	Change in Fund Balance, Capital Projects Fund	**$ (9,409,960)**	**$ (1,626,716)**	**$ (5,193,385)**	**$ (939,338)**	**$ (1,234,545)**	**$ 918,755**
	Capital Projects Fund Balance, Beginning of Year	**$ 16,474,724**	**$ 7,064,764**	**$ 5,438,048**	**$ 244,664**	**$ (694,675)**	**$ (1,929,219)**
	Capital Projects Fund Balance, End of Year	**$ 7,064,764**	**$ 5,438,048**	**$ 244,664**	**$ (694,675)**	**$ (1,929,219)**	**$ (1,010,465)**

GF# Grant Funded Project And Corresponding Number Code

Motor Fuel Tax Fund

Motor Fuel Tax Fund						
Capital Revenues - Motor Fuel Tax Fund	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Crescent Boulevard Reconstruction	-	131,266	-	-	-	-
Total Improvements - MFT Fund	-	131,266	-	-	$ -	$ -

Water & Sewer Fund

Water & Sanitary Sewer Fund	CY2017 FORECAST	CY2018 FORECAST	CY2019 FORECAST	CY2020 FORECAST	CY2021 FORECAST	CY2022 FORECAST
Capital Revenues - Water & Sewer Fund	**$ 4,220,000**	**$ 4,220,000**	**$ 4,220,000**	**$ 4,220,000**	**$ 4,220,000**	**$ 4,220,000**
Water Projects:						
Street Program - subject to change - projects are itemized, if known						
CBD Underground Improvements	$ 50,000	$ 500,000	$ -	$ -	$ -	$ -
Elm-Oak Improvements	90,000	-	-	-	-	-
Kenilworth-Alley Improvements	245,000	-	-	-	-	-
Montclair-East-Davis-Smith Improvements	600,000	100,000	-	-	-	-
North Park Boulevard STP Reconstruction Project (Roosev	40,000	616,987	-	-	-	-
Bemis Road Reconstruction (Route 53 to Sunny Brook)	-	-	35,000	735,381	-	-
Sheehan Avenue Improvements	-	-	-	422,844		
Crescent Boulevard Reconstruction		113,390				
Misc. Project Close Outs	-	-	-	-	-	-
Future Street Projects	-	-	1,649,037	698,612	$ 1,453,585	$ 1,337,750
Street Repairs	2,500	18,000	18,000	18,000	18,000	18,000
Non-Roadway Projects:						
Standalone Main Replacements:						
Roosevelt Road Water Main	250,000	560,000	1,000,000	1,000,000	1,000,000	-
Roosevelt Road and Route 53 Water Main Lining	75,000	1,500,000	-	-	-	-
Hill Avenue Water Main	-	50,000	-	500,000	-	-
Royal Glen Infrastructure Improvements	-	75,000	-	-	1,675,000	-
Other Projects:						
Utility Services Maintenance Contract Newton Water Tan	135,260	135,260	135,260	135,260	-	-
Wilson & Newton Pumping Station Rehabilitation	25,000	-	-	-	500,000	-
WPAS & NPAS Rehabilitation	-	-	-	-	-	-
Standby Well Rehabilitation	-	-	-	-	-	350,000
Reservoir Rehabilitation	-	-	200,000	-	-	-
Police Station	50,000	-	-	-	-	-
SCADA Reinstrumentation	-	-	-	-	-	150,000
Water Meter Fixed Network Upgrade	-	640,500	640,500	-	-	-
Reno Center Improvements	-	65,000	-	-	-	-
COD Water Main Acquisition/Looping	-	-	50,000	-	-	-
Engineering for Future Projects	25,000	100,000	-	-	-	-
Subtotal - Water Projects	**$ 1,587,760**	**$ 4,474,137**	**$ 3,727,797**	**$ 3,510,097**	**$ 4,646,585**	**$ 1,855,750**
Sewer Projects:						
Street Program - subject to change - projects are itemized, if known						
CBD Underground Improvements	$ 320,000	$ 500,000	$ -	$ -	$ -	$ -
2014 Elm-Geneva Connectors-Cottage	-	-	-	-	-	-
Glenwood-Arbor-Ridgewood	-	-	-	-	-	-
Elm-Oak Improvements	250,000	-	-	-	-	-
Kenilworth-Alley Improvements	245,000	-	-	-	-	-
Montclair-East-Davis-Smith Improvements	800,000	50,000	-	-	-	-
North Park Boulevard STP Reconstruction Project (Roosev	20,000	550,000	-	-	-	-
Main Street STP Resurfacing (Roosevelt to Fairview)	-	82,500	-	-	-	-
Bemis Road Reconstruction (Route 53 to Sunnybrook)	-	-	37,500	740,061	-	-
Sheehan Avenue Improvements	-	-	-	255,378	-	-
General Spots Repairs (Other Streets)	-	135,000	-	-	-	-
Miscellaneous Project Close Outs	-	-	-	-	-	-
Future Street Projects	-	-	1,033,991	826,301	1,050,125	501,196
Street Repairs	2,500	18,000	18,000	18,000	18,000	18,000
Engineering for Future Projects	50,000	135,000	-	-	-	-
Non-Roadway Projects:						
I/I Reduction (Lining + Repairs)	563,452	500,000	500,000	500,000	$ 500,000	$ 500,000
Hill Avenue Sanitary Sewer	-	25,000	-	250,000	-	-
Lift Station Rehab						
Hill Avenue	-	25,000	-	-	-	-
Memory Court	-	75,000	625,000	-	-	-
Surrey	-	-	150,000	-	-	-
South Park	-	150,000	-	850,000	-	-
Orchard Place	-	-	-	-	-	400,000
Police Station-Utilities	50,000	-	-	-	-	-
Royal Glen Infrastructure Improvements	-	40,000	-	-	85,000	-
Reno Center Improvements	-	65,000	-	-	-	-
Subtotal - Sewer Projects	**$ 2,300,952**	**$ 2,350,500**	**$ 2,364,491**	**$ 3,439,741**	**$ 1,653,125**	**$ 1,419,196**
Total Improvements - Water & Sewer Fund	**$ 3,888,712**	**$ 6,824,637**	**$ 6,092,288**	**$ 6,949,838**	**$ 7,952,835**	**$ 4,694,142**
Change in Capital Balance, Water & Sewer Fund	**$ 331,288**	**$ (2,604,637)**	**$ (1,872,288)**	**$ (2,729,838)**	**$ (3,732,835)**	**$ (474,142)**
Water & Sewer Capital Fund Balance, Beginning of Year	**$ 9,986,287**	**$ 10,317,575**	**$ 7,712,938**	**$ 5,840,650**	**$ 3,110,812**	**$ (622,023)**
Water & Sewer Capital Fund Balance, End of Year	**$ 10,317,575**	**$ 7,712,938**	**$ 5,840,650**	**$ 3,110,812**	**$ (622,023)**	**$ (1,096,165)**

Glen Ellyn
5-Year Capital Improvement Plan

Parking Fund

Parking Fund	CY2017 FORECAST	CY2018 FORECAST	CY2019 FORECAST	CY2020 FORECAST	CY2021 FORECAST	CY2022 FORECAST
Civic Center Parking Lot Resurfacing	$ 45,000	$ -	$ -	$ -	$ -	$ -
Crescent East Parking Lot Resurfacing	-	-	46,818	-	-	-
Crescent West Parking Lot Resurfacing	-	-	32,773	-	-	-
Duane/Glenwood Paver Maintenance	-	-	-	-	-	-
Duane/Lorraine Parking Lot Resurfacing	202,500	-	-	-	-	-
Forest/Duane Parking Lot Resurfacing	12,000	-	-	-	-	-
Glenwood/Crescent Parking Lot Resurfacing	-	-	-	-	-	-
History Center Parking Lot Resurfacing	16,000	-	-	-	-	-
Main/Glenwood East Lot Resurfacing	-	-	-	-	-	96,607
Main/Glenwood West Lot Resurfacing	-	-	42,136	-	-	-
Main/Glenwood Retaining Wall Replacement	18,537		250,000			
Main/Penn Lot Resurfacing	-	140,000	-	-	-	-
Montclair Commuter Lot Resurfacing	-	-	-	-	132,598	-
Shock's Square	-	35,000	-	-	-	-
Stuart East Parking Lot Resurfacing	-	-	-	-	-	-
Stuart West Parking Lot Resurfacing	-	-	-	-	-	-
General Parking Lot Maintenance	10,000	10,000	10,000	10,000	$ 10,000	$ 10,000
Wayfinding Signage	-	50,000	-	-	-	-
Electronic Payboxes in Duane/Lorraine Lot	24,000	-	-	-	-	-
CBD Surface Parking Lot Light Conversion HPS to LED	30,000	-	-	-	-	-
Total Improvements - Parking Fund	**$ 313,037**	**$ 235,000**	**$ 381,727**	**$ 10,000**	**$ 142,598**	**$ 106,607**

Grants

		CY2017	CY2018	CY2019	CY2020	CY2021	CY2022
GF6	North Park Boulevard STP Reconstruction - No Bike Lane	$ -	$ 1,362,000	$ -	$ -	$ -	-
GF7	Main Street STP Resurfacing (Roosevelt to Fairview)	-	240,000	-	-	-	-
GF1	Lake Ellyn OCS Community Development Block Grant Disas	279,500	-	-	-	-	-
GF1	Lake Ellyn OCS Project Park District Contribution Towards D	-	-	-	-	-	-
	Lambert and Taft Highway Safety Improvement (Not Yet Se	-	-	-	-	-	-
GF8	Central Business District Lighting Grant	-	-	-	-	-	-
GF9	Central Business District STP LAFO Grant	-	-	-	475,000	-	-
	Crescent Boulevard STP Resurfacing (Lake to East Village Li	-	-	-	-	-	-
GF3	CMAQ Crosswalk Improvements-53/Pershing; Nicoll/Rvlt; Lambert/Rvlt.	54,790	85,816	-	-	-	-
GF5	Geneva Road Sidewalk Cost Share With DuPage County	-	-	-	-	-	-
	Geneva Road Stormwater Improvements	52,500	-	-	-	-	-
	Lake Road Underground Contributions	20,000					
	Sale of Lake Road Right-Of-Way	9,000					
GF2	Taylor Street Underpass	-	1,800,000	-	-	-	-
	Newton Storm Sewer - DCEO Grant	-	-	-	-	-	-
	Total Grants	**$ 415,790**	**$ 3,487,816**	**$ -**	**$ 475,000**	**$ -**	**$ -**

GF4 The project costs for Crescent Boulevard already account for the associated grants

** This schedule is project based and excludes the purchases of vehicles and equipment; totals may not tie to the Summary of Budgeted Capital Investment.*

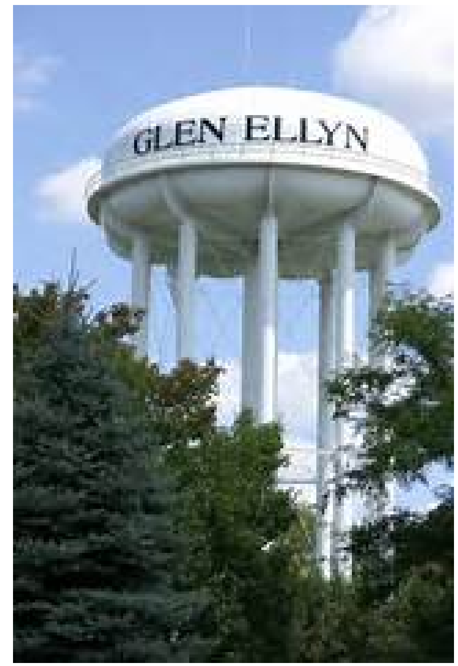
**Revenues are included for those funds that have dedicated capital revenue streams.

Village of Glen Ellyn
Engineering Division Presentation for 2018 Budget

August 14, 2017

Infrastructure Overview

- 87 Centerline Miles of Road
- 85 Miles of Sanitary Sewer
  - 5 Lift Stations
- 70 Miles of Storm Sewer
- 110 Miles of Water Main
  - Two Elevated Storage Tanks
  - Two Ground Storage Reservoirs



Assessment and Programming of Improvements

- Roadway:
  - Pavement Condition Index Rating
  - Consideration of Roadway Structure and Utilities
  - Pavement Coring and Soil Borings
  - Visual Inspection

Assessment and Programing of Improvements

- Sewer
  - Material/Age
  - Televising
  - Size/Capacity
  - Location
- Water
  - Material/Age
  - Break History
  - Size/Capacity

Sanitary Sewer Televising Video

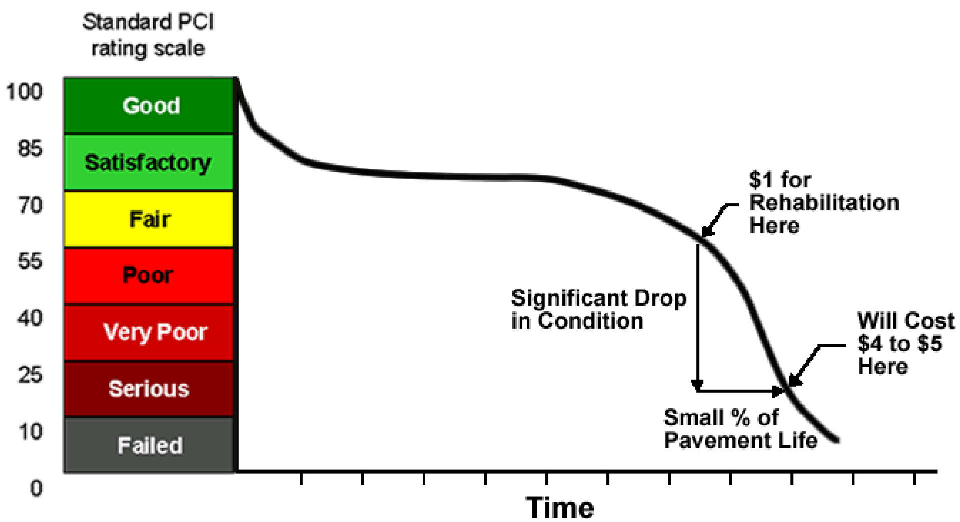
Pavement Condition Index

- Quantitative assessment of pavement condition based on the density and type of distresses in a pavement
- Performed every 4 years by consultant using high resolution imaging and laser measurement technology
- Numerical value is assigned to roadway segments from 0-100
- Used as a guide in unison with other programming criteria

Roadway Rehabilitation
Best Practices Over Roadway Life

- Following Construction of New Asphalt Road
  - 2 Years: Surface Preservation
  - 3-5 Years: Crack Routing and Sealing
  - 7-10 Years: Patching
  - 18-20 Years: Resurfacing
  - 21-22 Years: Surface Preservation
  - 24-26 Years: Crack Routing and Sealing
  - 28-31 Years: Patching
  - 36-40 Years: Resurfacing
  - 40-60 Years: Reconstruction

Time of Rehabilitation Is Of The Essence



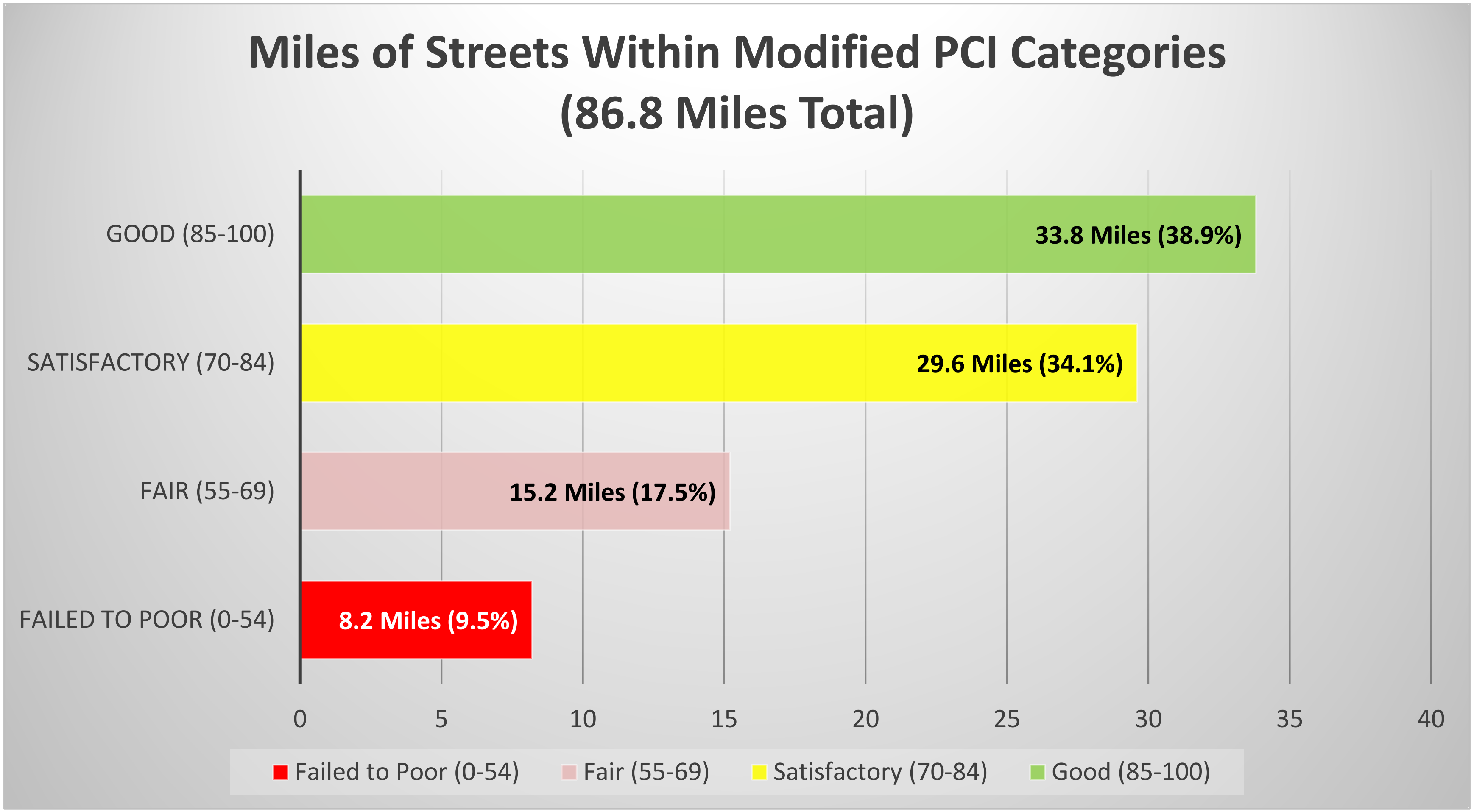
General **Approaches Based on PCI Alone**

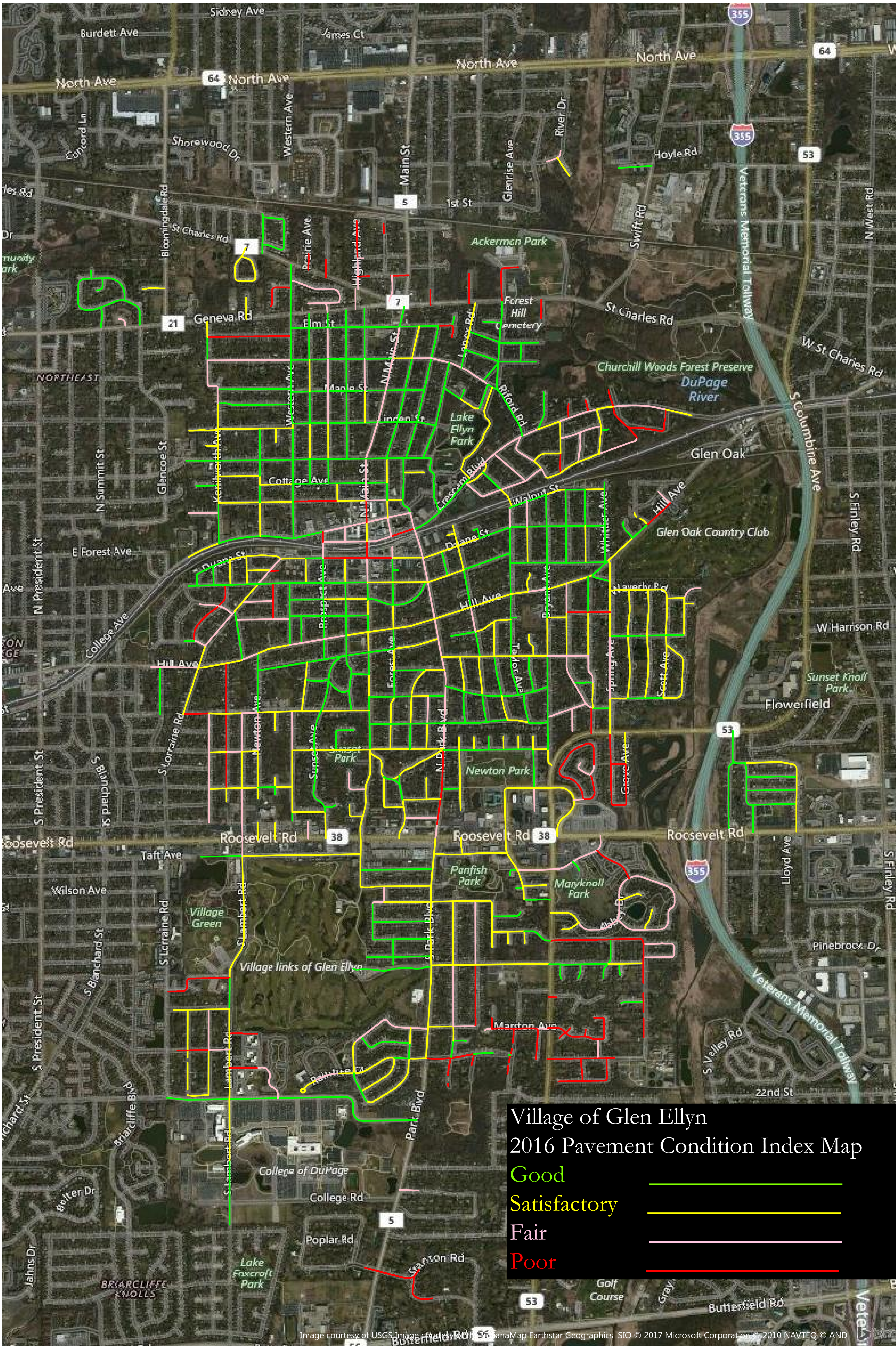
- 85-100
  - Rejuvenator Surface Treatment
  - Cracksealing
- 70-85
  - Resurfacing to Patching
- 55-70
  - Partial Reconstruction to Resurfacing
- 0-54
  - Full Reconstruction to Partial Reconstruction

Other Considerations

- Roadway Structure
- Drainage Needs
- Sewer Utility Needs
- Water Utility Needs
- Pavement Coring/Soil Borings
- Visual Inspection

Glen Ellyn PCI Data from 2016




Village of Glen Ellyn
2016 Pavement Condition Index Map
Good
Satisfactory
Fair
Poor
Image courtesy of USGS Image courtesy of ... Earthstar Geographics SIO © 2017 Microsoft Corporation © 2010 NAVTEQ © AND

2018 Major Roadway Projects

- Roadway Resurfacing & Maintenance – $1.75M
- North Park Boulevard - $3.25M (~ $1.9M Local Share)
- North Main Street - $315K (~$100K Local Share)
- Roosevelt/Pershing Improvements - $500K

2018 Major Sewer/Water Projects

- North Park Boulevard/Main Street Sewer and Water - $1.2M
- Roosevelt Road/Route 53 Water Main - $1.5M
- Sanitary Sewer Lining Program - $500K
- CBD Underground Improvements Sewer and Water - $1M
- Water Meter Smart Read Upgrade - $1.3M Across 2018/2019

2018 Pedestrian Improvements

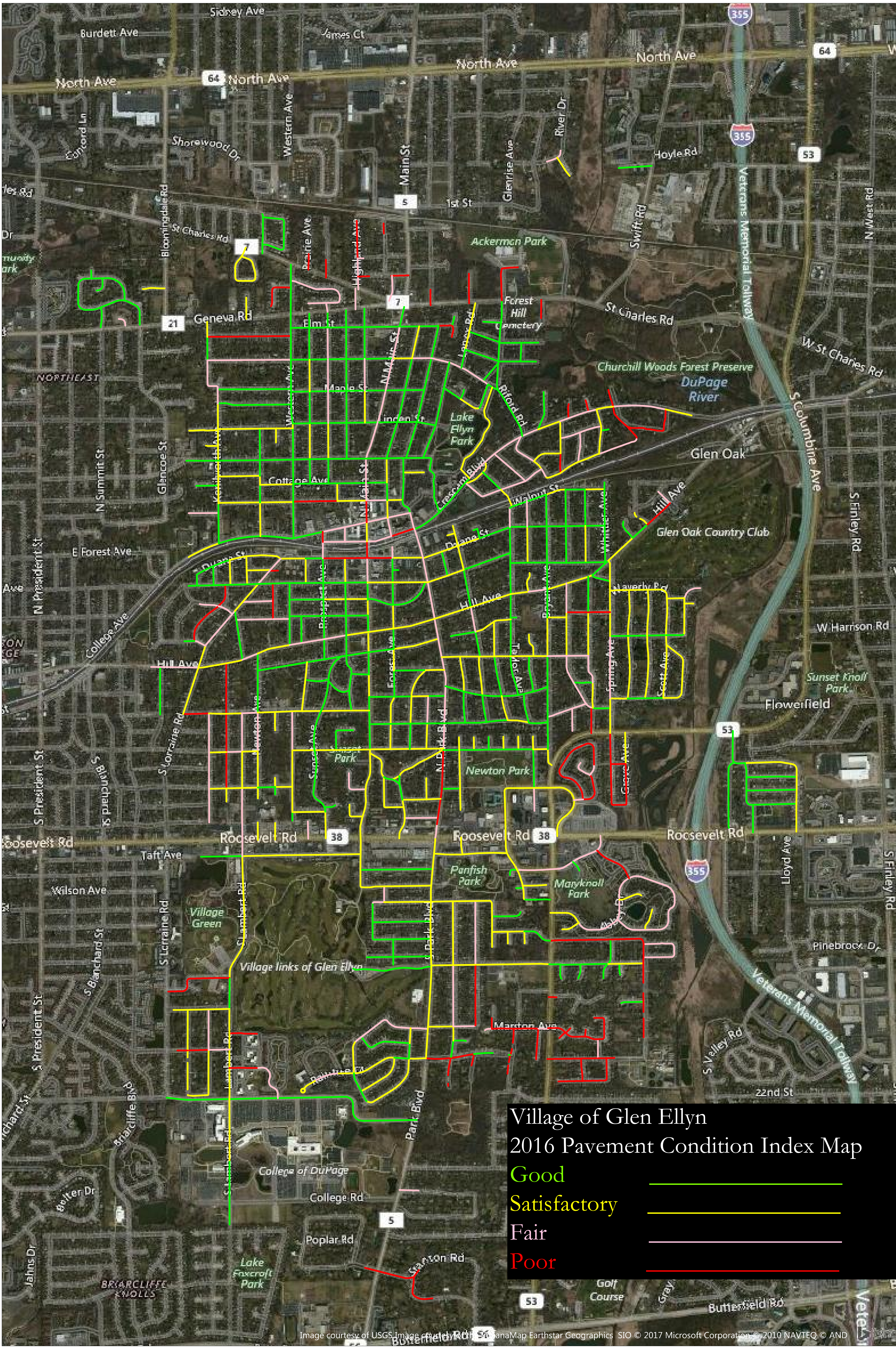
- Taylor Avenue Pedestrian Tunnel $2.8M ($1M Local Share)

- Sidewalk Improvements
  - Lake Ellyn/Lenox Park - $175K
  - Ellyn Avenue - $75K
  - Sidewalk R & R - $200K

2018 Major Engineering Projects

- CBD Streetscape Improvements - $250K
- Engineering for Future Projects - $535K Across Capital, Sewer, Water
  - Scott/Clifton/Cumnor Area
  - 2019 Street Reconstruction Program
  - Baker Hill/DuPage/Nicoll Way Federal Funding (LAFO)
- Roosevelt Road Corridor Water Main Design - $250K
- Hill Avenue Sewer & Water Extension (Phase I) - $75K

End of Presentation


Village of Glen Ellyn
2016 Pavement Condition Index Map
Good
Satisfactory
Fair
Poor
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