



VILLAGE OF SCHAUMBURG

--- PROGRESSTHROUGHTHOUGHTFULPLANNING ---

Date: December 18, 2024

To: Village Manager

From: Joseph Velna, Engineering Inspector

Subject: Recommendation to Approve Completion of Plans and Specifications for Bidding of the FY 25/26 Street Improvement Program (SIP)

For: Engineering & Public Works Committee

Introduction:

The Village of Schaumburg owns and maintains approximately 211.1 centerline miles of streets. These streets are categorized into two networks:

- **Local Street Network:** consisting of residential streets, residential collectors, business, industrial and frontage roads.
 - **Vital Street Network:** consisting of FAU eligible routes that allow for funding assistance.
- The streets, in total, comprise the Village Street Network and are summarized in Table 1 below.

Village of Schaumburg Street Network

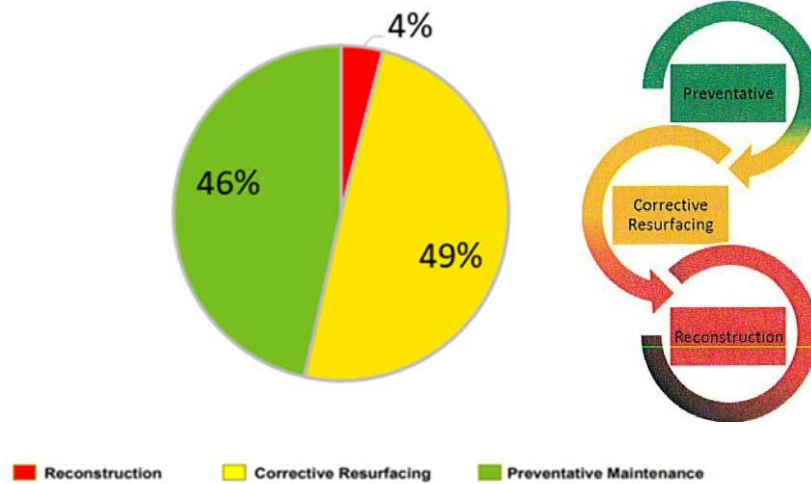
Local Street Network		
Classification	Centerline Miles	Percentage of Total Miles
Residential	136.7	65%
Residential Collectors	14.8	7%
Business, Industrial, and Frontage Roads	18.4	9%
Sub-Total	169.9	81%
Vital Street Network		
Classification	Centerline Miles	Percentage of Total Miles
FAU / TIF	41.2	19%
Total Centerline Miles		
211.1		

The network consists of three material types: flexible, rigid, and composite pavements. Flexible pavements are constructed with an asphalt surface on a gravel, asphalt or pozzolanic material base. Rigid pavements are constructed of concrete placed on a gravel or asphalt base. Composite pavements consist of asphalt surface material placed over a concrete base. The Village of Schaumburg Street Network consists of 203.5 centerline miles of streets that are the flexible type, 6.5 centerline miles are rigid pavements with the balance of 1.1 miles being composite pavements.

Discussion:

Upon completion of the FY 25/26 Street Improvements, the following pie chart illustrates the percentage breakdown of the Local Network based upon our Pavement Management Plan (PMP) that categorizes our network into three categories (Preventative Maintenance, Corrective Resurfacing, and Reconstruction). The PCI thresholds for the three categories are 70 and above for preventative maintenance, 69 to 30 for constructive resurfacing, and 29 to 0 for reconstruction.

Pavement Condition following FY 25/26 Street Program



The scope of the FY 25/26 SIP reflects the Village's PMP utilizing data from the last comprehensive street network evaluation. Collective pavement patching efforts completed both contractually and by the Street Division will continue in FY 25/26. Staff has seen significant increases in the streets Pavement Condition Index (PCI) where these patching efforts have been completed. There is an ongoing effort to update the PMP with current PCI data. Engineering and Public Works expects to receive new PCI data at the beginning of calendar year 2025.

The FY 25/26 SIP of \$8 million consists of the following amounts based upon historical square foot costs tracked by our PAVER software program. Actual amounts will be dependent upon bids.

Street Repair Program:

Improvement Category	Amount
Modified Reconstruction/Reconstruction	\$7,175,352.58
Corrective Resurfacing	\$1,476,769.63
Preventative Maintenance (Crack Sealing/Reclamite)	\$240,000.00
Total Construction Dollars	\$8,892,122.21

The recommended FY 25/26 Street Improvement Program includes 16.75 miles of preventative maintenance, 2.16 miles of corrective resurfacing, 5.08 miles of modified reconstruction, and .66 miles of reconstruction. Pavement cores and bores are typically completed while the plans and specifications are being completed for these improvements. Based upon data received from the pavement cores and borings treatment changes may be recommended to the presented repair strategies.

The improvements for FY 25/26 are estimated to be consistent with the allotted budget. Should the bid results be less than the allotted budget, staff would make a recommendation to add streets to these improvements as funding and timing allows. However, if the bids exceed the allotted budget, staff will make a recommendation to omit streets within the improvements when awarded.

Attached is a map that illustrates the FY 25/26 Reconstruction, Modified Reconstruction, and Corrective Resurfacing streets. Also attached is a more detailed description of the pavement management strategies employed.

Pedestrian Enhancements:

Staff is also recommending pedestrian enhancements and is working with our Transportation Department to define the appropriate locations for these installations. The CIP program currently includes \$75,000 for FY 25/26.

The pattern being utilized will be consistent with the “S” pattern being utilized in our residential areas. The pattern is illustrated below.

Pedestrian Enhancement illustration and pattern utilized in Residential areas:



Bike Path Reconstruction and Resurfacing Program:

The FY 25/26 Bike Path program will restore about 3.46 miles of bike paths. The total cost is estimated at \$440,000. The list of the locations planned for work is attached.

Parking Lot Rehabilitation and Resurfacing:

The FY 25/26 Parking Lot Rehabilitation will include the parking lots listed below with their recommended maintenance activity.

FY 25/26 Parking Lot Rehabilitation

Location	Pavement Maintenance Activity
The Barn	Seal Coat
Well #3	Seal Coat
Bode Lift Station	Seal Coat
PCA North Lot	Seal Coat

Concrete Repair Program:

The 25/26 Concrete Repair Program will include the following work.

- **Curb Replacement Program:** This is an annual program consisting of replacing deteriorated curbs and gutter on village streets. Recommended locations are based upon Customer Service Request's (CSR) called in and evaluated by Engineering and Public Works staff to determine if replacement is warranted.
- **Sidewalk Replacement Program:** This is an annual program consisting of replacing deteriorated sidewalks on Village streets. Recommended replacement locations are based upon Customer Service Request's (CSR) called in and evaluated by Engineering and Public Works staff to determine if replacement is warranted.
- **Utility Dig Up Program:** This is an annual program that restores concrete and any adjacent asphalt restoration as a result of dig up repairs.
- **Town Square Sidewalk Repair Program:** This annual program completes minor sidewalk repairs in Town Square such as broken vertically displaced sidewalk.

Funding Summary:

The funding indicated in this report will be proposed in the FY 25/26 budget CIP and subject to Village Board approval. The proposed funding summary chart is illustrated below:

Proposed FY 25/26 Funding for the 2025 Street Improvement Program and 2025 Concrete Repair Program		
Account	Program	Amount
4409010-7454	Street Repair and Reconstruction	\$7,291,200
4409010-7454	Street Repair and Reconstruction - Phase II Design Services	\$141,760
4409010-7454	Street Repair and Reconstruction - Phase III Construction Services	\$567,040
2089010-7454	Street Repair and Reconstruction - Rebuild Illinois Funds	\$776,912
2149010-7454	Street Repair and Reconstruction - CDBG Funds	\$165,000
Street Improvement Program FY 25/26 Total		\$8,941,912
5729020-7455	Parking Lot Rehabilitation - Utilities	\$1,000
6809010-7453	Parking Lot Rehabilitation – Building Replacement	\$24,000
4409010-7454	Parking Lot Rehabilitation – Capital Improvements	\$2,400
Parking Lot Maintenance Funding FY 25/26 Total		\$27,400
4409010-7451	Bike Path Rehabilitation - 2025	\$500,000
Bike Path Rehabilitation Funding FY 25/26 Total		\$500,000
4409010-7454	Curb Replacement Program	\$525,000
4409010-7456	Sidewalk Repair Program	\$500,000
5724060-7260	Utility Dig Up Repairs	\$265,000
2389010-7453	Town Square Sidewalk Repairs	\$50,000
2025 Concrete Program Funding FY 25/26 Total		\$1,340,000
Total Proposed Funding Total for FY 25/26		\$10,809,312