

# *Village of Carol Stream*

## **SPECIAL WORKSHOP MEETING**

**MONDAY, MARCH 7, 2022**

**IMMEDIATELY FOLLOWING 6:00 P.M. VILLAGE BOARD MEETING  
HYBRID MEETING – IN PERSON AND ZOOM**

**GREGORY J. BIELAWSKI MUNICIPAL CENTER  
500 N. GARY AVENUE  
CAROL STREAM, ILLINOIS 60188**

**BOARD ROOM**

### **AGENDA**

1. CALL TO ORDER
2. ATTENDANCE
3. FY 23 BUDGET WORKSHOP – CAPITAL IMPROVEMENT PROGRAM
4. OTHER BUSINESS
5. ADJOURNMENT

*Village of Carol Stream*

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**BUDGET WORKSHOP #3  
FY23-27  
CAPITAL IMPROVEMENT  
PROGRAM**

**March 7, 2022**

# AGENDA

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- **FY23-27 CIP and Financial Overview – Jon Batek**
- **Inventory and Grant Summary – Bill Cleveland**
- **Roadway System – Adam Frederick**
  - **FY22 Completed Projects**
  - **FY23-27 Proposed Program**
- **Stormwater System – Greg Ulreich**
  - **FY22 Completed Projects**
  - **FY23-27 Proposed Program**
- **Village Facilities – Bill Cleveland & Phil Modaff**
  - **FY22 Completed Projects**
  - **FY23-27 Proposed Program**

# FY23-27 Capital Improvement Program

The Capital Improvement Program (CIP) encompasses the combined activities of two distinct Village Funds:

1. Capital Projects Fund (CPF)
2. Motor Fuel Tax Fund (MFT)

Capital improvement activities associated with the Water and Sewer Fund are contained within that fund since those projects are directly funded by water and sewer rates and users of the system.

$$\text{CIP} = \text{CPF} + \text{MFT}$$

# FY23-27 CIP Overview

## 5 Year CIP Revenues

|                         | <u>FY23</u>        | <u>FY24</u>        | <u>FY25</u>        | <u>FY26</u>        | <u>FY27</u>         | <u>5 Year<br/>Average</u> |
|-------------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------------|
| CIP Operating Revenues* | \$5,971,000        | \$5,839,000        | \$5,807,000        | \$5,850,000        | \$ 5,867,000        | \$5,866,800               |
| CIP Grant Revenues      | <u>3,080,782</u>   | <u>857,743</u>     | <u>2,030,667</u>   | <u>-</u>           | <u>1,578,000</u>    | <u>1,509,438</u>          |
| Total CIP Revenues      | <u>\$9,051,782</u> | <u>\$6,696,743</u> | <u>\$7,837,667</u> | <u>\$5,850,000</u> | <u>\$ 7,445,000</u> | <u>\$7,376,238</u>        |

\* Electricity Utility Tax  
Telecommunications Tax  
Real Estate Transfer Tax  
Local Motor Fuel Tax  
State Motor Fuel Tax

**Grants make up 20% of all income sources.**

# FY23-27 Financial Overview

## Total Projected Revenues, Expenditures and Reserves – 5 Year CIP

|          | <u>Revenues</u>     | <u>Expenditures</u> | <u>Difference</u>     | <u>Proj. Reserve<br/>Balance</u> |
|----------|---------------------|---------------------|-----------------------|----------------------------------|
| FY22 Est | \$ 11,136,169       | \$ 4,818,923        | \$ 6,317,246          | \$24,350,991                     |
| FY23     | \$ 10,051,782       | \$ 12,944,000       | \$ (2,892,218)        | \$21,458,773                     |
| FY24     | 6,696,743           | 10,485,000          | (3,788,257)           | 17,670,516                       |
| FY25     | 7,837,667           | 11,527,500          | (3,689,833)           | 13,980,683                       |
| FY26     | 5,850,000           | 7,544,000           | (1,694,000)           | 12,286,683                       |
| FY27     | 7,445,000           | 6,021,000           | 1,424,000             | 13,710,683                       |
| 5 Year   | <u>\$37,881,192</u> | <u>\$48,521,500</u> | <u>\$(10,640,308)</u> |                                  |

Includes \$4 million surplus transfer from General Fund.

Includes \$1 million budgeted General Fund surplus.

# INFRASTRUCTURE INVENTORY

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Current infrastructure constructed over the past 60+ years since the late 1950's has a total worth of about \$407M.

- \$271M in Facilities, Transportation, and Stormwater (2/3 of total)
  - \$179M in Transportation (2/3 of the CIP)
  - \$92M in Facilities and Stormwater (1/3 CIP)
- \$136M in Water and Sanitary (1/3 of total) to be discussed at next workshop
  - \$91M in Watermain (2/3 of W&S)
  - \$45M in Sanitary Sewer (1/3 W&S)

# GRANT HISTORY AND CURRENT FUNDING

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- Since 1999, the Village has obtained over \$15 million for infrastructure grants including bridges, traffic signals, roads, bike trails, street lights...and recently stormwater (streambank stabilization and water quality improvements)
- In the current five year CIP plan, there is over \$7.5 million in various grants from the following programs;
  - Surface Transportation Program Urban (STU)
  - Illinois Transportation Enhancement Program (ITEP)
  - Congestion Mitigation and Air Quality Program (CMAP)
  - Illinois Environmental Protection Agency - Section 319 (IEPA)
  - DuPage River Salt Creek Workgroup (DRSCW)
  - DuPage County Water Quality Improvement Program (WQIP)
  - DuPage County ARPA Stormwater Funding (potential)



# FY22 COMPLETED TRANSPORTATION PROJECTS

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## Roadway System

## Cost

Pavement Preventative Maintenance Program

Pavement Sealers

\$350K/\$289K

Pavement Patching

\$100K/\$68K

Fiberized Crackfill (MFT)

\$75K/\$67K

Pavement Marking

\$50K/\$34K

Flexible Pavement Program (MFT)

\$2.4M/\$1.9M

Lies Road Bike Trail Design\*

\$56K/\$67K

Kuhn Bike Trail Design\*

\$50K/\$84K

LED Streetlight Replacement\*

\$70K/\$52K

\* Portion funded by ITEP or ComEd

# FY22 COMPLETED TRANSPORTATION PROJECTS

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## Roadway System

## Cost

Fair Oaks Road Culvert/Guardrail/Slope Design\*

\$115K/\$136K

Morton Road Reconstruction Design

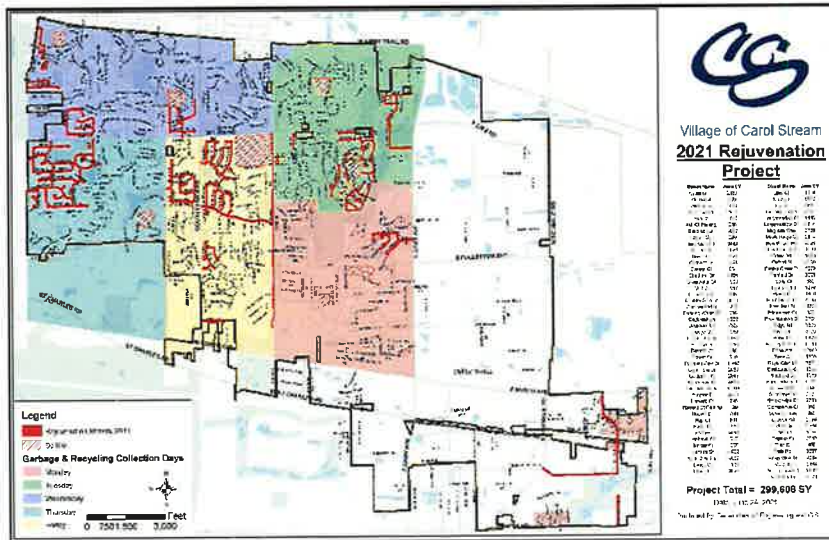
\$45K

\* Funded by Rebuild Illinois Bond Fund

# Preventative Pavement Maintenance Asphalt Rejuvenation Project



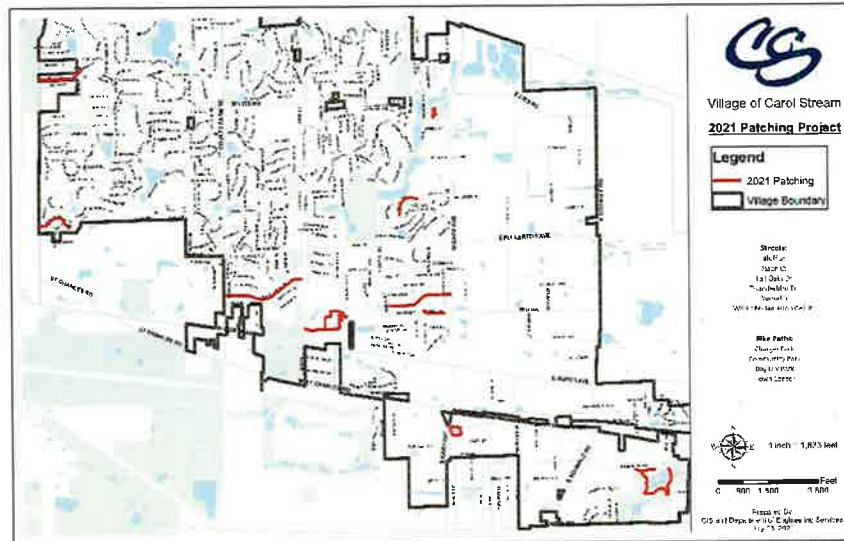
- 91 Streets
- 276,440 SQ YD of Pavement
- Cost \$288,879



# Preventative Pavement Maintenance Pavement Patching Project

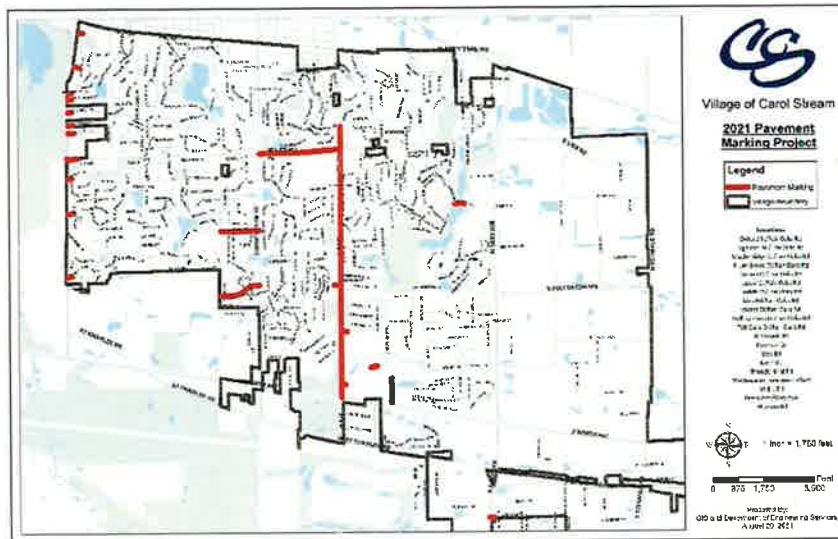


- 11 Streets
- 4 Bike Paths
- Estimated Final Cost \$68,000





# Preventative Pavement Maintenance Pavement Marking Project



- Bid through Suburban Purchasing Cooperative
- 4 Collector Streets
- 20 Crosswalks
- 10 Parking Lots for Schmale/Geneva/St. Charles Watermain Replacement
  - Additional cost of \$1,165
  - Savings of \$27,628
- Total Cost \$34,193



# LED Street Light Replacement Program



Replaced 327 HPS lights with LED  
Total Cost of Materials \$46,515  
\$24,637 grant from ComEd, bringing cost down to \$21,878





# **CAPITAL IMPROVEMENT PROGRAM**

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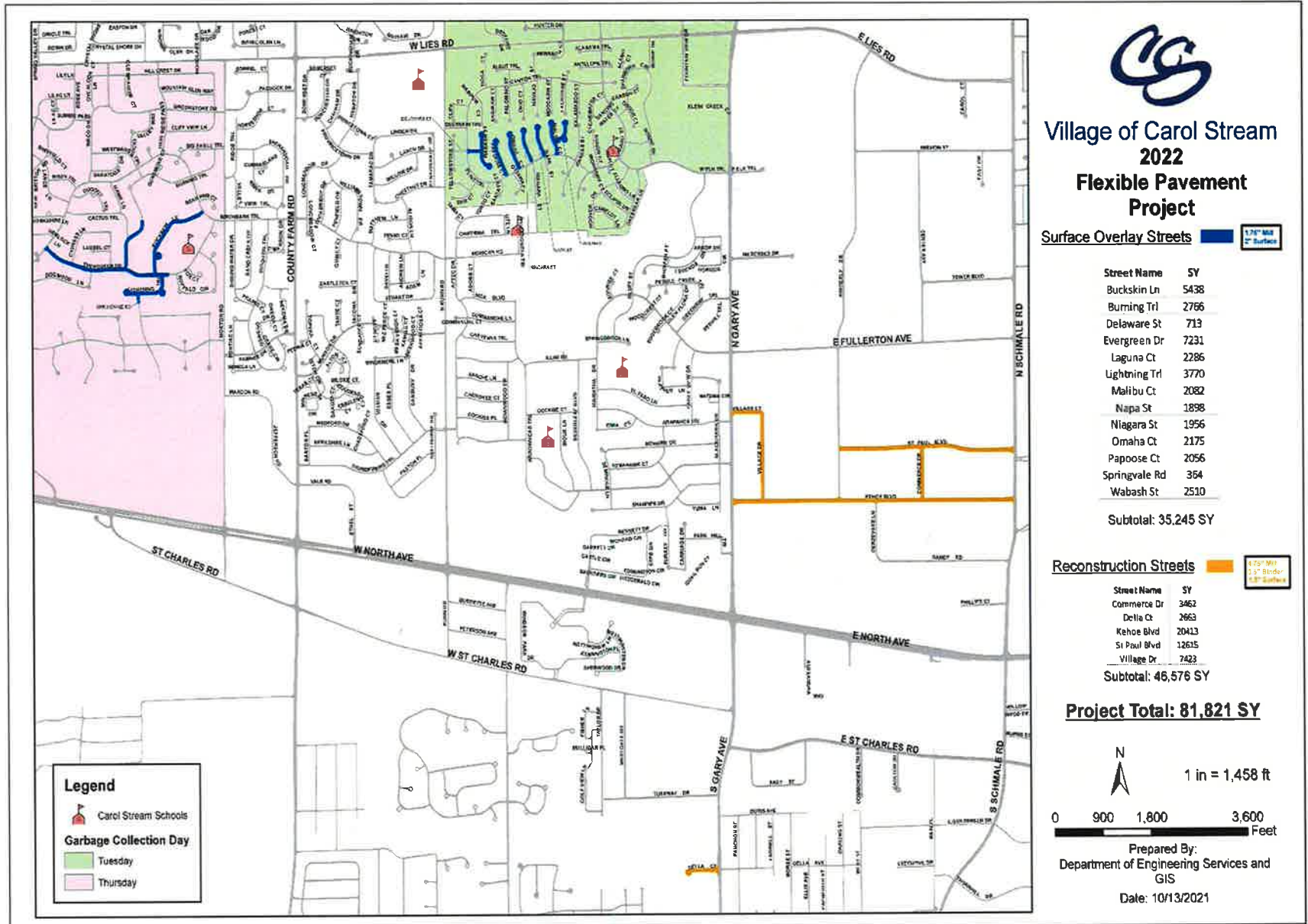
## **PROPOSED FY23 TRANSPORTATION PROJECTS**

## Transportation Projects

|   | <u>Cost</u> | <u>Fund</u> |
|---|-------------|-------------|
| • Flexible Pavement Project                             | \$2.6M      | CPF         |
| • Asphalt Crackfilling                                  | \$75K       | MFT         |
| • Pavement Maintenance (Sealers, Striping and Patching) | \$500K      | CPF         |
| • Pavement Condition Index Study                        | \$50K       | CPF         |
| Grant Funded Bike Trail Projects*                       |             |             |
| • Kuhn Road (Army Tr. to Lies Rd.)                      | \$480K      | CPF         |
| • Lies Road (Gary Ave. to Schmale Rd.)                  | \$6K        | CPF         |
| • Southeast Trail (Schmale/Gundersen/President)         | \$160K      | CPF         |
| • Fair Oaks Road Culvert/Guardrail/Slope Stabilization  | \$494K      | RIB         |
| • Morton Road Recon. (St. Charles Rd. to North Ave.)    | \$513K      | RIB         |
| • Klein Creek Trail (Kuhn Rd. to Thunderbird Tr.)       | \$50K       | CPF         |
| • Lies Road LAFO final payment to IDOT*                 | \$46K       | CPF         |
| • West Branch/Fair Oaks Trail final payment to IDOT*    | \$65K       | CPF         |

\* Includes revenue/grants from other sources

# FY23 Flexible Pavement Project



# Federally Funded Bike Trail Projects

## Kuhn Road Trail



| Project Phase              | Total Cost    | Federal Grant | State Grant  | Local Match   |
|----------------------------|---------------|---------------|--------------|---------------|
| Design Engineering Phase 1 | \$ 61,475.00  | \$ 49,180.00  |              | \$ 12,295.00  |
| Design Engineering Phase 2 | \$ 114,215.00 | \$ 91,372.00  |              | \$ 22,843.00  |
| Right of Way               | \$ 3,400.00   | \$ 1,700.00   |              | \$ 1,700.00   |
| Construction Cost          | \$ 412,200.00 | \$ 311,160.00 | \$ 4,520.00  | \$ 96,520.00  |
| Construction Engineering   | \$ 61,800.00  | \$ 49,440.00  | \$ 6,180.00  | \$ 6,180.00   |
|                            | \$ 653,090.00 | \$ 502,852.00 | \$ 10,700.00 | \$ 139,538.00 |

# Federally Funded Bike Trail Projects

## Lies Road Trail



| Project Phase              | Total Cost    | Federal Grant | State Grant  | Local Match   |
|----------------------------|---------------|---------------|--------------|---------------|
| Design Engineering Phase 1 | \$ 80,500.00  | \$ 64,400.00  |              | \$ 16,100.00  |
| Design Engineering Phase 2 | \$ 122,988.00 | \$ 98,390.00  |              | \$ 24,598.00  |
| Construction Cost          | \$ 578,600.00 | \$ 437,480.00 | \$ 6,560.00  | \$ 134,560.00 |
| Construction Engineering   | \$ 86,700.00  | \$ 69,360.00  | \$ 8,670.00  | \$ 8,670.00   |
|                            | \$ 868,788.00 | \$ 669,630.00 | \$ 15,230.00 | \$ 183,928.00 |

# Federally Funded Bike Trail Projects

## Southeast Trail



| Project Phase              | Total Cost      | Federal Grant   | State Grant  | Local Match   |
|----------------------------|-----------------|-----------------|--------------|---------------|
| Design Engineering Phase 1 |                 |                 |              |               |
| Design Engineering Phase 2 | \$ 290,371.00   | \$ 232,297.00   |              | \$ 58,074.00  |
| Right of Way               | \$ 459,700.00   | \$ 350,903.00   |              | \$ 108,797.00 |
| Construction Cost          | \$ 1,734,400.00 | \$ 1,174,920.00 | \$ 19,240.00 | \$ 540,240.00 |
| Construction Engineering   | \$ 209,000.00   | \$ 167,200.00   | \$ 20,900.00 | \$ 20,900.00  |
|                            | \$ 2,693,471.00 | \$ 1,925,320.00 | \$ 40,140.00 | \$ 728,011.00 |

# Fair Oaks Road Culvert/Guardrail/Slope Stabilization



Rebuild Illinois Bond Funded – Design Phase – \$136,222  
Rebuild Illinois Bond Funded – Construction Phase – \$494,000

# Morton Road Reconstruction



Capital Projects Fund – Design Phase – \$45,163  
Rebuild Illinois Bond Funded – Construction Phase – \$513,000



# Klein Creek Trail



Capital Projects Fund – Design Phase – \$50,000



# **CAPITAL IMPROVEMENT PROGRAM**

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## **FUTURE FY24-27 TRANSPORTATION PROJECTS**

| <u>Transportation Projects</u>                      | <u>Fund</u> | <u>FY24</u> | <u>FY25</u> | <u>FY26</u> | <u>FY27</u> |
|---|-------------|-------------|-------------|-------------|-------------|
| • Flexible Pavement and Crackfilling Projects       | MFT         | \$2.6M      | \$75K       | \$2.6M      | \$75K       |
| • Flexible Pavement Project (non-MFT)               | CPF         |             | \$2.0M      |             | \$2.5M      |
| • Pavement Maint. (Sealers, Patching, Striping)     | CPF         | \$500K      | \$500K      | \$500K      | \$500K      |
| • Proposed Trails with Grant Funding                |             |             |             |             |             |
| • Lies Road Trail (Gary Ave to Schmale Rd)*         | CPF         | \$730K      |             |             |             |
| • Southeast Trail<br>(Schmale/Gundersen/President)* | CPF         | \$460K      | \$1.9M      |             |             |
| • Industrial Sidewalk (Kehoe & Kimberly)**          | CPF         |             |             | \$230K      | \$904K      |

\* STU and ITEP Funding

\*\*STU Grant Funding requested for 50%

| <u>Transportation Projects</u>            | <u>Fund</u> | <u>FY24</u> | <u>FY25</u> | <u>FY26</u> | <u>FY27</u> |
|---|-------------|-------------|-------------|-------------|-------------|
| • Fair Oaks Rd (Army Tr to Plum Grove Ct) | RIB         | \$520K      |             |             |             |
| • Old Gary Avenue Reconstruction          | RIB         |             | \$77K       | \$864K      |             |
| • Fullerton Ave (Gary Ave to Schmale Rd)* | CPF         | \$150K      | \$1.4M      |             |             |
| • Kuhn Rd (Lies Rd to Army Trail Rd)      | CPF         |             |             | \$800K      |             |
| • LED Streetlight Replacement Program     | CPF         | \$400K      |             |             |             |
| • Lies Rd (Kuhn Rd to Gary Ave)**         | CPF         |             |             | \$65K       | \$1.3M      |

\* Surface Transportation Program 50% Funded

\*\* Surface Transportation Program Requested at 50%

# FY 22 COMPLETED STORMWATER PROJECTS

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## Stormwater Improvements

|   | <u>Cost</u>   |
|---|---------------|
| Roadway Drainage Improvements & Underdrain                        | \$225K/\$110K |
| Kehoe Blvd. Streambank Stabilization (23%)*                       | \$35 K        |
| Klein Creek Streambank Stabilization – Section I (DESIGN)         | \$100K/\$142K |
| Klein Creek Streambank Stabilization – Section III (DESIGN)(50%)* | \$50K/\$113K  |
| Fullerton/Kimberly Drainage Study                                 | \$60K/\$93K   |
| The Park Unit I Detention Basin Retrofit (25%)*                   | \$2 K         |
| Public Detention Basin Rehabilitation (STUDY)                     | \$150K/\$23K  |
| The Park Unit 4 – Restrictor Rehabilitation                       | \$55K         |

\*Partially grant funded by DuPage County WQIP or IEPA

# Roadway Drainage Improvements & Underdrain

36 Structures Repaired



12 Sump Pump Connections

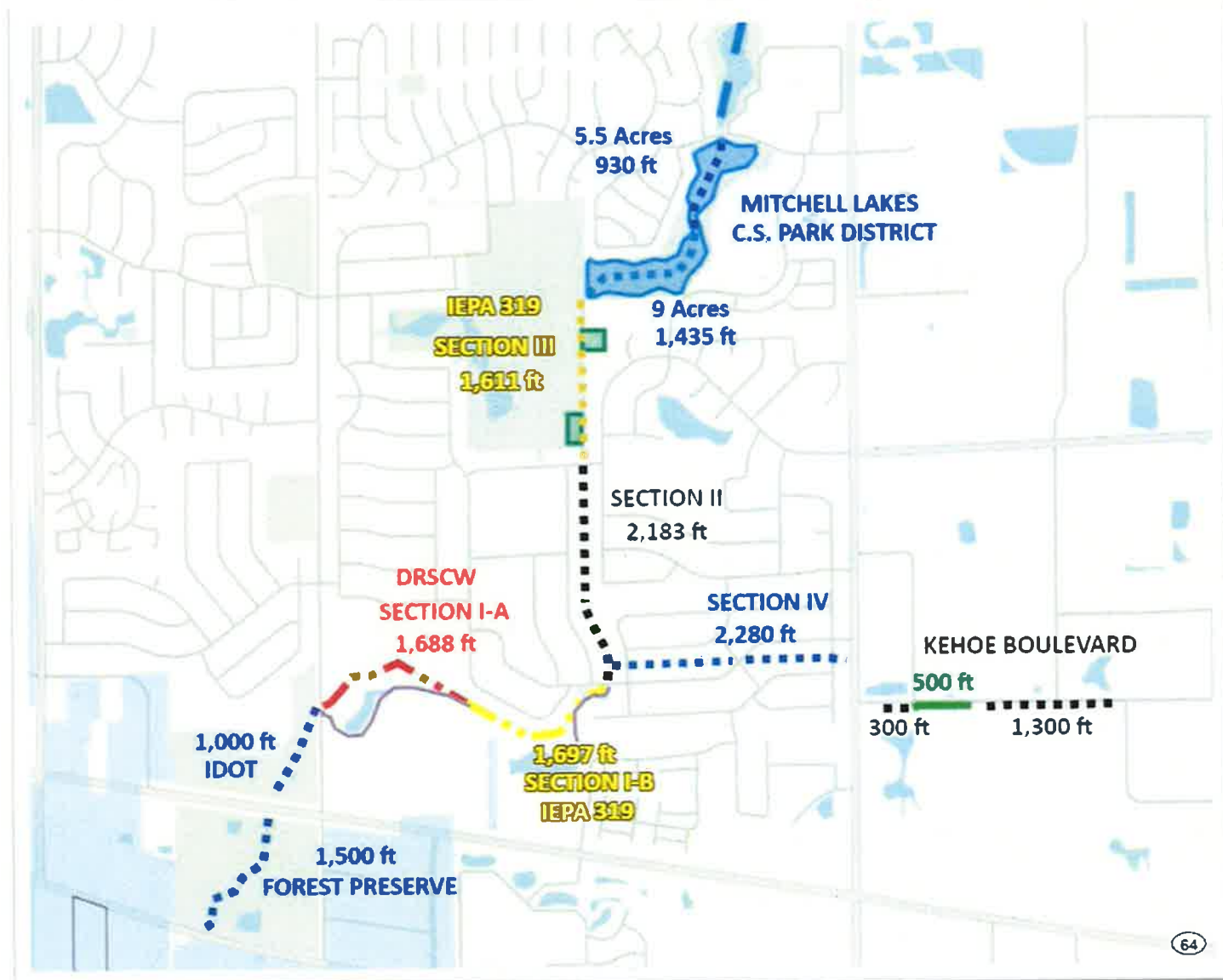


# Kehoe Boulevard Streambank Stabilization



# Klein Creek Streambank Stabilization

## DESIGNED: Sections I-A, I-B & III







# Detention Basin Retrofit The Park Unit I

January 2017



September 2021



July 2017

**CS** VILLAGE OF CAROL STREAM  
**NATIVE PLANTING PROJECT**  
IMPROVING STORMWATER QUALITY  
& WILDLIFE HABITAT  
Design, Construction & Grant Funding:

# Public Detention Basin Rehabilitation The Park Unit 4





# **CAPITAL IMPROVEMENT PROGRAM**

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## **PROPOSED FY23 STORM WATER PROJECTS**

## Stormwater Projects

|  | <u>Cost</u> | <u>Fund</u> |
|--|-------------|-------------|
| • Roadway Drainage Improvements                                | \$225 K     | CPF         |
| • <u>Kehoe Boulevard</u> Streambank Stabilization – Section I  | \$5 K       | CPF         |
| • <u>Klein Creek</u> Streambank Stabilization – Section I *    | \$3,180 K   | CPF         |
| • <u>Klein Creek</u> Streambank Stabilization – Section III ** | \$2,000 K   | CPF         |
| • Public Detention Basin Rehabilitations                       | \$100 K     | CPF         |

\* Includes costs eligible for reimbursement from IEPA, DRSCW, & WQIP

\*\* Includes costs eligible for reimbursement from IEPA

# Roadway Drainage Improvements & Underdrain



# Klein Creek Streambank Stabilization Sections I and III



## **Section I: Kuhn Road to Thunderbird Trail**

Construction Award: ~ May 2022

DRSCW \$1,100,000

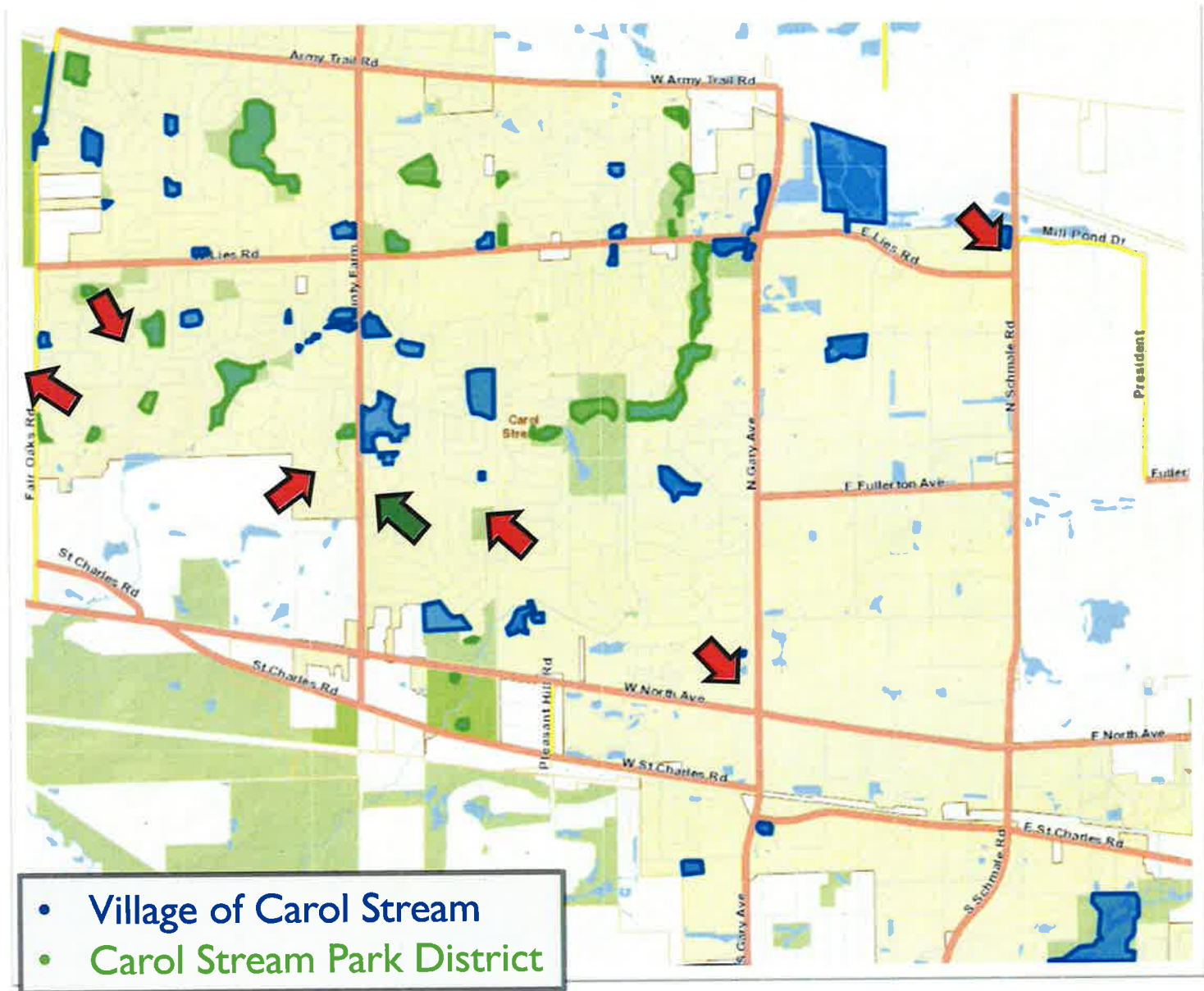
IEPA 319h \$500,000

DuPage WQIP \$125,000

**Section III:**  
**Mitchell Lakes to Illini Dr**  
Construction Award: ~ June 2022  
IEPA 319h \$500,000



# Public Detention Basin Rehabilitation







# **CAPITAL IMPROVEMENT PROGRAM**

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## **FUTURE FY24-27 STORM WATER PROJECTS**

| <u>Stormwater Projects</u>  | <u>Fund</u> | <u>FY24</u> | <u>FY25</u> | <u>FY26</u> | <u>FY27</u> |
|---|-------------|-------------|-------------|-------------|-------------|
| • Roadway Drainage Improvements   | CPF         | \$225K      | \$225K      | \$225K      | \$255K      |
| • Public Detention Basin Rehabilitations  | CPF         | \$100K      | \$100K      | \$100K      | \$100K      |
| • <u>Kehoe Blvd</u> Streambank Stabilization<br>Section II (Design)                     | CPF         | ---         | ---         | ---         | \$112K      |
| • <u>Klein Creek</u> Streambank Stabilization<br>Section I (Construction) *             | CPF         | \$500K      | \$60K       | \$60K       | +++         |
| • <u>Klein Creek</u> Streambank Stabilization<br>Section II (Design & Construction) *** | CPF         | \$100K      | \$3.0M      | \$60K       | \$60K       |
| • <u>Klein Creek</u> Streambank Stabilization<br>Section III (Construction) **          | CPF         | \$500K      | \$60K       | \$60K       | +++         |
| • <u>Klein Creek</u> Streambank Stabilization<br>Section IV (Design & Construction) *** | CPF         | \$100K      | ---         | \$2.0M      | \$60K       |

\* Includes costs eligible for reimbursement from IEPA, DRSCW, & DuPage County

\*\* Includes costs eligible for reimbursement from IEPA

\*\*\* Homeowner contribution (~5%) to be re-evaluated by Staff & Board of Trustees

+++ Future maintenance costs of native landscape will come from General Fund

# FY 22 COMPLETED FACILITY PROJECTS

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- PWC Entry Security Improvements & Rear Gate ~~\$177K~~ \$172 K
- Municipal Center Training Room and EOC ~~\$285K~~ \$217 K
- Town Center Lighting Improvements ~~\$310K~~ \$290 K
- PWC Facility Space Optimization Study ~~\$310K~~ \$125 K

# Public Works Security, Gate and Yard Improvements



# Municipal Center Training Room (EOC)



# Town Center Lighting Repairs and Replacements





# **CAPITAL IMPROVEMENT PROGRAM**

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## **PROPOSED FY23 FACILITIES PROJECTS**

## Facility Projects

|   | <u>Cost</u> | <u>Fund</u> |
|---|-------------|-------------|
| • Police Security & Functional Improvements     | \$615 K     | CPF         |
| • Public Works Facility Improvements            | \$1.0 M     | CPF         |
| • Fountain Electrical Changes and Water Sealing | \$770 K     | CPF         |



# Police Parking Lot Security Gates



\$165,000 for front and rear gates

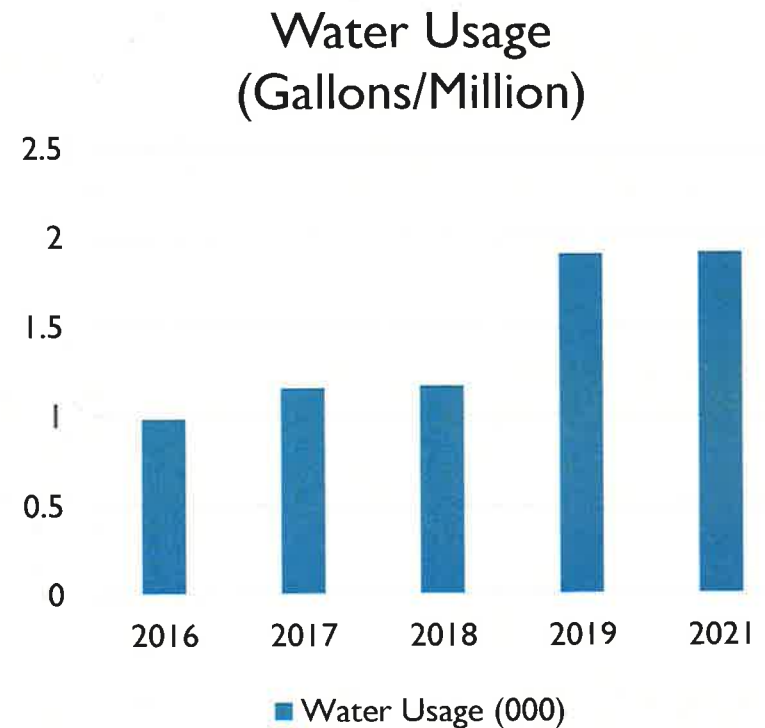
# Police Department Interior Modifications



**\$450,000 to relocate  
interview rooms and create  
more functional office space**

# Town Center Fountain

- \$750,000 Budgeted for Fountain Repairs
  - Includes Moving electrical equipment above ground
- Significant water loss in basin and concrete steps
- Electrical and pump/motor replacement



# Town Center Fountain



# Town Center Fountain



## Public Works Center Improvements

- Space Optimization Study Completed Fall 2021 with two-prong focus:
  - I. Resolve site issues
    - Drainage/runoff
    - Deteriorated and undersized material storage bins
    - Spoil storage area undersized and ill-configured (excavation debris, street sweeping, catch-basin cleaning)
    - Reconfigure space for better and safer loading/unloading operations
    - Provide adequate space for Police impound needs

## Public Works Center Improvements

- Space Optimization Study Completed Fall 2021 with two-prong focus:

### 2. Update and improve buildings

- Address immediate needs (windows/doors, garage floor drain)
- Mechanical systems (lighting, HVAC, electrical, plumbing)
- Interiors (flooring, storage, lunchroom, locker rooms)
- Air quality issues (update garage venting and protection for administrative areas from fleet maintenance operations)

NOTE: Need for replacement of generator that serves east side water pump station and supports PWC facilities became apparent following completion of this report

# Public Works Center Improvements

Multi-year Plan = \$6.3 million

**Year 1 = \$1 million**

## Construct

- Windows & doors on administrative bldg. and garages
- Replace south garage floor drain
- Miscellaneous (minor plumbing, LED light conversion, minor HVAC)
- Replace generator

## Plan

- Plans/specifications/bidding for exterior improvements at PWC (construct FY24)
- Plans, specifications and bidding for improvements at off-site location (WRC chip pile) to accommodate Public Works spoil storage and Police impound needs (construct FY24)



# Year I Construction



## Year I Planning



Public Works Center



WRC Wood Chip Pile Site (SE corner of property ~1.5 acres)

## Public Works Center Improvements

Multi-year Plan = \$6.3 million

### **Year 2 = \$3.1 million**

- Construct improvements at WRC chip pile site:
  - Covered, paved storage area for spoils from PW operations
  - Paved storage area for Police impound needs (+small storage shed)
- Construct exterior improvements at Public Works Center
  - Stormwater improvements
  - Demolish/relocate material storage bins
  - Reconfigure storage yard
  - Install material storage racking systems
  - Front gate security improvements
- Plan/design interior improvements (construction FY25)

## Year 2 Construction



Washout area



Material storage bins



Spoil dumping/storage area



Police impound/storage area

## Public Works Center Improvements

Multi-year Plan = \$6.3 million

### **Year 3 = \$1.95 million**

- Construct upgrades/improvements in PWC buildings:
  - Update interior of Administrative bldg.
    - Rehabilitation of two locker rooms
    - Rehabilitation of lunchroom/kitchen space
    - Replacement of all flooring (asbestos is present under tile flooring)
    - Painting
    - Air quality and major HVAC improvements

# Year 3 Construction



## Major Focus:

- Locker rooms
- Kitchen/lunchroom
- Interior treatments:  
flooring, painting,  
ceilings





# **CAPITAL IMPROVEMENT PROGRAM**

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## **FUTURE FY24-27 FACILITIES PROJECTS**

**Facilities Projects**

**Fund**   **FY24**   **FY25**   **FY26**   **FY27**

- Public Works Facility Improvements      CPF      \$3.1M      \$1.95M           \$175K
- Town Center Space Study                      CPF      \$10K