



CITY OF
URBANA

CAPITAL IMPROVEMENT PLAN

Committee of the Whole June 7th 2021

WHAT IS THE CIP?

What is it Comprised of?

- **Capital Replacement & Investment Expenditures**
 - Some Operations and Maintenance
- **Improving City Assets**
 - Bridges, Public Facilities, Lights Signals & Signs, Road Pavement, Sidewalks & Paths, Sanitary Sewers, Stormwater Facilities
- **A Group of Dedicated Funds**
 - CR&I, Local MFT, State MFT, Sanitary, Stormwater
- **Activities are Project Based**
 - w/ Maintenance Programs

How is it Made?

Process

1. Asset Summary Review *(2021 Emphasis)*
2. Review Projects List
3. Review Maintenance Programs *(21/22 Emphasis)*
4. Prioritize
5. Financial Projects
6. Schedule Projects
7. Review Fund Balances

-> **Iterative Process**

People

Public Works

Tim Cowan, Public Works Director
Vince Gustafson, Deputy Director of Operations
Andy Murphy, Operations Supervisor
Ben Holzhausen, Operations Supervisor
Shannon Beranek, Civil Engineer II
Troy Richmond, Public Facilities Supervisor
Kevin Sanderson, Arbor Supervisor
Scott Tess, Sustainability and Resilience Officer

Executive

Carol Mitten, City Administrator
William Kolschowsky, Management Analyst

Finance

Elizabeth Hannan, HRF Director
Shaennon Clark, Deputy Finance Director
Kris Francisco, Financial Service Manager

Today's Presentation

Today's Presentation

- City-Wide Asset Summary
 - Valuation, CR&I, O&M, Revenue & Funding Gap
- Individual Asset Class Summaries
- Main Highlights

Full CIP Online

Section 1. Executive Summary

Section 2. Asset Summary

Section 3. Transportation Project Book

Section 4. Facilities Project Book

Section 5. Sewer Systems Project Book

Section 6. Fund Reports

CIP Resolution Approval coincides w/ Budget Ordinance COW 7/21 Council 7/28

MAIN HIGHLIGHTS

Equity and Quality of Life Project

- NEW \$2 million undefined project
- 1x transfer based of surplus reserves (future allotments undefined)
- Infrastructure investments in underserved areas



Borrowing for Facilities

- Implementing the Facilities Master Plan over the next two years
 - Replacing 2 Fires stations
 - City Building redesign & improvements
 - Public Work Facilities
- \$10 million over the next two years

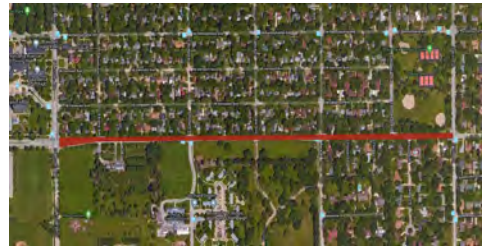


Big Ticket Transportation Projects

Lincoln and Springfield
\$2M FY22



Florida: Lincoln to
Vine \$4.2M FY 24



Lincoln: Green to
Florida \$6M FY 26



Savannah Green:
Smith & Alleys \$2M FY
23



Maintenance and Capital Improvement Schedules

- New & Expanded Projects
 - Trying to be more strategic in using multitude of techniques to extend life
- NEW Annual Signal and Street Light Improvement Schedule
- NEW Sanitary Sewer Maintenance Programs
 - Will better inform Improvement schedule
 - Similar strategy w/ Stormwater, after Master Plan is finalized
- EXPANDED Annual Road Programs
 - Joint Seal & Crack, Oil/Chip, Pavement Marking

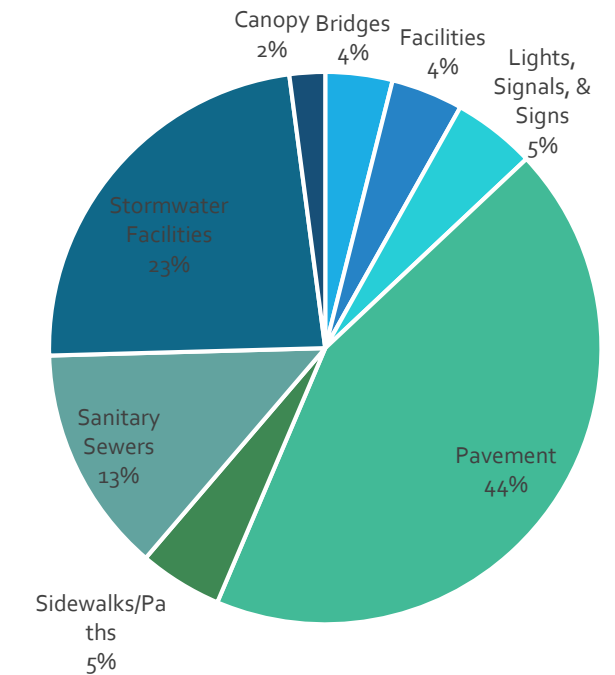
CITY-WIDE SUMMARY

Looking at assets as a whole

Asset Valuation

City Owned Assets and Valuations				
ASSET CLASS	ASSET COMPONENT	ESTIMATED AVERAGE UNIT PRICE	AVERAGE ESTIMATED LIFE EXPECTANCY	TOTAL CURRENT RECONSTRUCTION VALUE (CRV)
Bridges	Bridges and Culverts	\$1 - 2 Million per Bridge	75	\$40,300,000
Facilities	Fire Stations, PW & City Buildings	Between \$5- 20 Million	50	\$43,200,000
Lights, Signals, & Signs	Controllers, Mast Arms, Poles, Wire	\$6,000/Light Pole & \$25,000/Controller	40	\$49,800,000
Pavement	Concrete, Asphalt, treated & Brick Streets	\$160-180/square yard	60	\$445,500,000
Sidewalks/Paths	Sidewalks & Bike/Multi-use Paths	\$12/square foot	100	\$50,000,000
Sanitary Sewers	Sewer Pipes	\$250/foot	100	\$136,600,000
Stormwater Facilities	Sewer Pipes & Pumping Station	\$310/foot	100	\$239,600,000
Arbor/ Canopy	Parkway Trees	\$2,00/mature tree	60	\$21,400,000
Total Current Reconstruction Value:				\$1,026,400,000

TOTAL CURRENT RECONSTRUCTION VALUE (CRV)



Capital Replacement and Investment

<u>Estimated Annual CR&I Cost to Maintain Infrastructure Quality</u>	
ASSET CLASS	ANNUAL CR&I TARGET
Bridges	\$537,333
Facilities	\$864,000
Lights, Signals, & Signs	\$1,245,000
Road Pavement	\$7,425,000
Sidewalks and Pathways	\$500,000
Sanitary Sewers	\$1,366,000
Stormwater Facilities	\$2,396,000
Arbor/Canopy	\$356,667
Totals	\$14,690,000

- \$14.7 M is a top-line 'target'
- Straight-line Depreciation Method
- Certainly more annual variability and there are more dynamic ways of creating target levels
- CR&I are "Major" improvements
 - Reconstructions, remodels, new, etc.

Capital Replacement and Investment

- Ultimately, we do not spend enough on CR&I
- Average of \$6.7M
 - Treating facilities as out of pocket, Avg. = \$9M

Capital Replacement Investment Expenditures in CIP						
Asset Class	FY22 Plan	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan	Average
Multifaceted Project	\$2,000,000	\$0	\$0	\$0	\$0	\$0
Bridges	\$0	\$0	\$0	\$0	\$0	\$0
Facilities	\$50,000	\$533,263	\$1,104,025	\$1,104,025	\$1,104,024	\$779,067
Lights, Signals, & Signs	\$125,000	\$1,000,000	\$0	\$250,000	\$0	\$275,000
Road Pavement	\$5,002,568	\$4,630,966	\$6,053,750	\$1,200,000	\$5,925,000	\$4,412,457
Sidewalks and Pathways	\$0	\$0	\$0	\$0	\$0	\$0
Sanitary Sewers	\$425,000	\$645,000	\$1,400,000	\$600,000	\$600,000	\$734,000
Stormwater Facilities	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Arbor/Canopy	\$0	\$0	\$0	\$0	\$0	\$0
Total Capital Improvement Spending	\$7.8 M	\$7.0 M	\$8.7 M	\$3.3 M	\$7.8 M	\$6.8 M

Operations and Maintenance

Estimated Annual O&M Cost to Maintain Asset Life Expectancy		
ASSET CLASS	EST. REQUIREMENT	Annual O&M
Bridges	1.0%	\$ 403,000
Facilities	1.0%	\$ 432,000
Lights, Signals, & Signs	1.0%	\$ 498,000
Road Pavement	1.0%	\$ 4,455,000
Sidewalks and Pathways	1.0%	\$ 500,000
Sanitary Sewers	1.0%	\$ 1,366,000
Stormwater Facilities	1.0%	\$ 2,396,000
Arbor/Canopy	1.0%	\$ 214,000
Totals	1.0%	\$ 10,264,000

- There are annual costs to maintaining infrastructure
- For example, pavement: pot-hole filling, crack sealing, re-striping, etc. that occur on shorter cycles than resurfacing or replacement
- 1% of CRV is a basic assumption
 - Diminishing returns of trying to calculate ideal / Urbana specific number

Operations and Maintenance

- Urbana closer to target
- Does not include past deferred maintenance
- Double Jeopardy of underinvesting in CR&I and O&M

Operation and Maintenance Expenditures by City						
Asset Class	FY22 Plan	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan	Average
Multifaceted Project	\$632,446	\$632,446	\$632,446	\$632,446	\$632,446	\$632,446
Bridges	\$0	\$0	\$0	\$0	\$0	\$0
Facilities	\$785,186	\$785,186	\$910,186	\$910,186	\$910,186	\$860,186
Lights, Signals, & Signs	\$998,539	\$988,539	\$988,539	\$988,539	\$988,539	\$990,539
Road Pavement	\$2,726,163	\$2,726,163	\$2,906,163	\$2,726,163	\$2,726,163	\$2,762,163
Sidewalks and Pathways	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000
Sanitary Sewers	\$1,168,206	\$1,369,916	\$1,371,675	\$1,373,482	\$1,375,340	\$1,331,724
Stormwater Facilities	\$1,714,760	\$1,355,075	\$1,259,242	\$1,261,013	\$1,265,694	\$1,371,157
Arbor/Canopy	\$495,512	\$495,512	\$495,512	\$495,512	\$495,512	\$495,512
Total O&M	\$8.6 M	\$8.4 M	\$8.7 M	\$8.5 M	\$8.5 M	\$8.6 M

Revenue

Revenue Sources for the Capital Improvements						
Asset Class	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan	Average
General Fund Operations	\$5,052,846	\$5,153,903	\$5,256,981	\$5,362,121	\$5,469,363	\$5,259,043
Unrestricted CR&I	\$1,824,783	\$841,279	\$858,105	\$875,268	\$875,268	\$1,054,941
Bond Proceeds	\$3,892,000	\$6,150,000	\$0	\$0	\$0	\$2,008,400
Motor Fuel Taxes	\$3,395,634	\$3,114,420	\$2,659,103	\$2,660,529	\$2,662,473	\$2,898,432
State and Federal Grants	\$0	\$0	\$3,000,000	\$0	\$4,400,000	\$1,480,000
Sanitary Sewers	\$1,578,206	\$1,623,635	\$1,668,389	\$1,709,290	\$1,757,991	\$1,667,502
Stormwater Facilities	\$1,722,187	\$1,771,837	\$1,822,918	\$1,875,476	\$1,929,554	\$1,824,394
Total Revenue	\$17,465,656	\$18,655,073	\$15,265,496	\$12,482,684	\$17,094,649	\$16,192,712

Revenue

- General Fund -> Operations expenses & transfers to CR&I Fund
- MFT Taxes -> State and local, restrictions apply
- Grants -> Variable, projects contingent on receiving awards
- Bonds -> Urbana has very low debt burden; capacity for more debt financing
- Sewer Benefit Tax -> Dedicated to sanitary sewers
- Stormwater Utility Fee -> Dedicate to stormwater infrastructure

Funding Gap

Funding Gaps						
Asset Class	CR&I Target	O&M Target	Total Target	Revenue (less debt)	Funding Gap	Revenue Source
Major Road	\$7,425,000	\$4,455,000	\$11,880,000	\$6,674,092	(\$5,205,908)	MFT taxes
Other/Unrestricted.	\$3,503,000	\$2,047,000	\$5,550,000	\$3,812,127	(\$1,737,873)	Misc. Taxes
Sanitary Sewer	\$1,366,000	\$1,366,000	\$2,732,000	\$1,667,502	(\$1,064,498)	Benefit Tax
Stormwater	\$2,396,000	\$2,396,000	\$4,792,000	\$1,824,394	(\$2,967,606)	User Fee
Total	\$14,690,000	\$10,264,000	\$24,954,000	\$13,978,115	(\$10,975,885)	

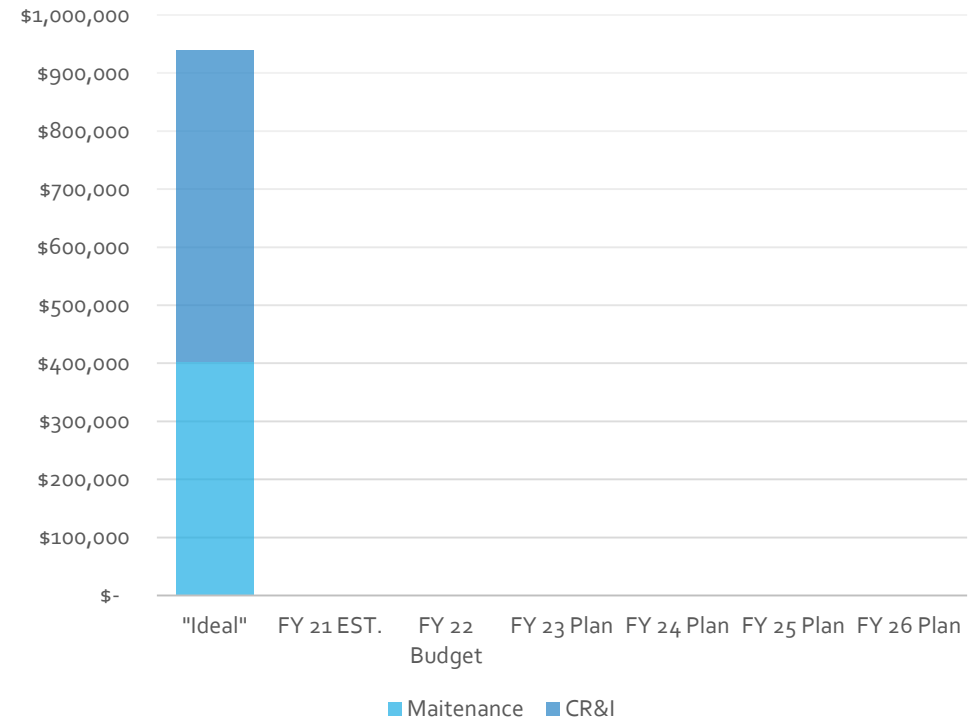
\$10M shortfall a year less than target = Deteriorating Conditions

INDIVIDUAL ASSET SUMMARIES

Bridges

Asset Summary Table		
Quantity	25	Bridges
Value	\$40,300,000	Replacement Value
Life Expectancy	75	Years
Capital Replacement and Investment		
Target CR&I / Year	\$ 537,333	Straight Line Depreciation
Target CR&I /CIP	\$2,686,667	5-Year CIP
CIP Planned CR&I	0	
Deferred CR&I in CIP	(\$2,686,667)	
Operations and Maintenance Cost		
Annual O&M Target	\$ 403,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ -	No separate program
Annual Deficit	\$ 403,000	

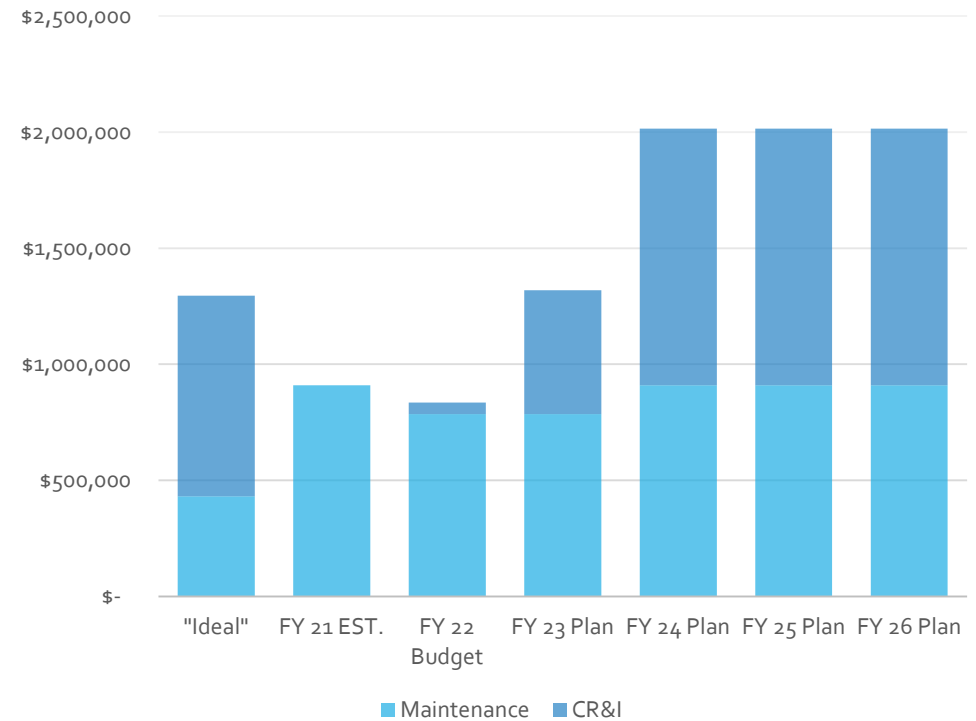
BRIDGES IN CIP



Public Facilities

Asset Summary Table		
Quantity	12	Major Public Facilities
Value	\$43,200,000	Replacement Value
Life Expectancy	50	Years
Capital Replacement and Investment		
Target CR&I /Year	\$ 864,000	Straight Line Depreciation
Target CR&I /CIP	\$4,320,000	5-Year CIP,
CIP Planned CR&I	3,895,337	Debt Payments
Deferred CR&I in CIP	(\$424,663)	Implementing Facilities Plan
Operations and Maintenance Cost		
Annual O&M Target	\$ 432,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 125,000	EST. using operations data
Annual Deficit	\$ (353,186)	(surplus due to past deferrals)

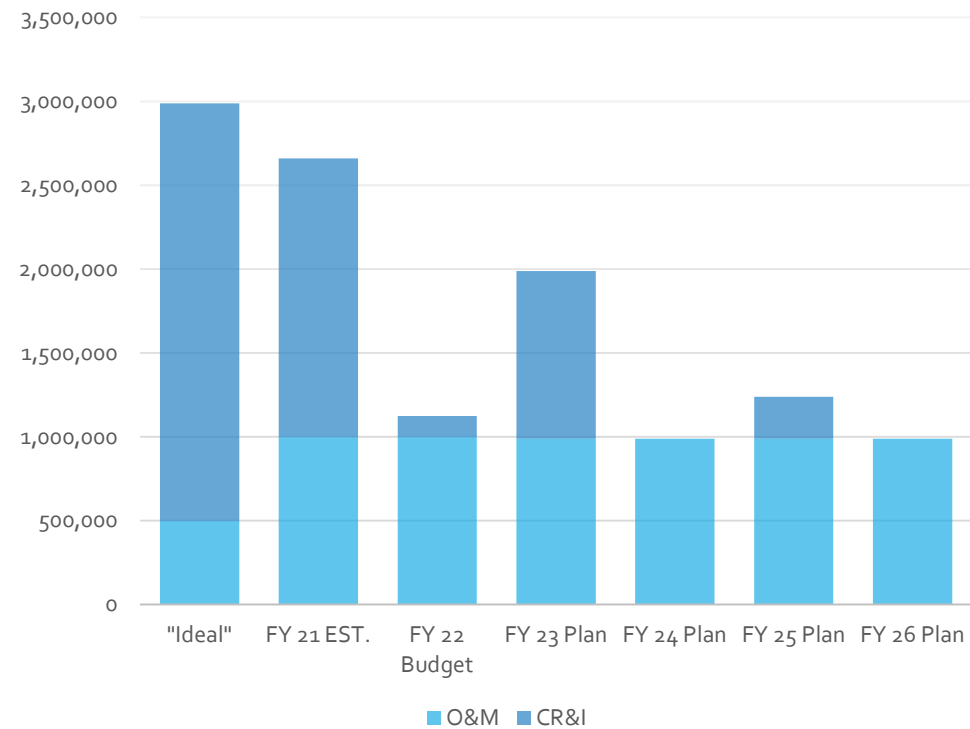
FACILITIES IN CIP



Lights, Signals, and Signs

Asset Summary Table		
Quantity	4,073	Light Poles Replacement
Value	\$ 49,800,000	Value
Life Expectancy	40	Years
Capital Replacement and Investment		
Target CR&I /Year	\$ 1,245,000	Straight Line Depreciation
Target CR&I /CIP	\$6,225,000	5-Year CIP (some work included in Projects)
CIP Planned CR&I	\$ 1,375,000	
Deferred CR&I in CIP	(\$4,850,000)	
Operations and Maintenance Cost		
Annual O&M Target	\$ 498,000	Rudimentary 1% EST. using operations budget
Current Annual Maintenance Cost	\$ 1,416,160	
Annual Deficit	\$ (918,160)	(surplus due to past deferrals)

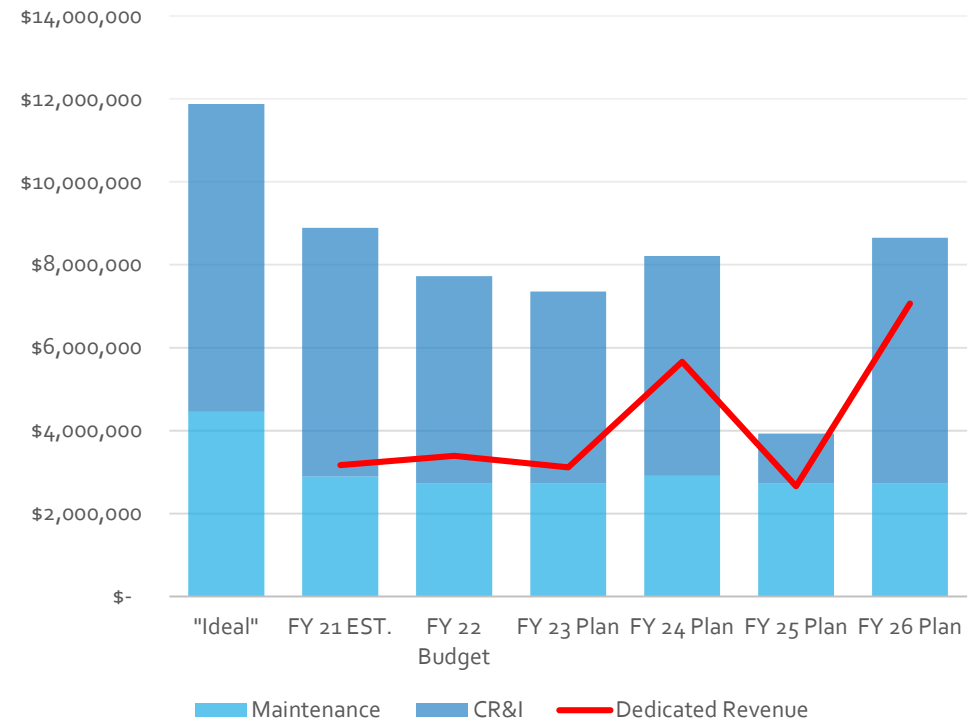
LIGHTS/SIGNALS/SIGNS IN CIP



Road Pavement

Asset Summary Table		
Quantity	2,557,508	Square Yards of Pavement
Value	\$445,500,000	Replacement Value
Life Expectancy	60	Years
Capital Replacement and Investment		
Target CR&I /Year	\$7,425,000	Straight Line Depreciation
Target CR&I /CIP	\$37,125,000	5-Year CIP
CIP Planned CR&I	\$ 22,062,284	
Deferred CR&I in CIP	(\$15,062,716)	
Operations and Maintenance Cost		
Annual O&M Target	\$ 4,455,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 2,370,798	EST. using operations data
Annual Deficit	\$ 2,084,202	

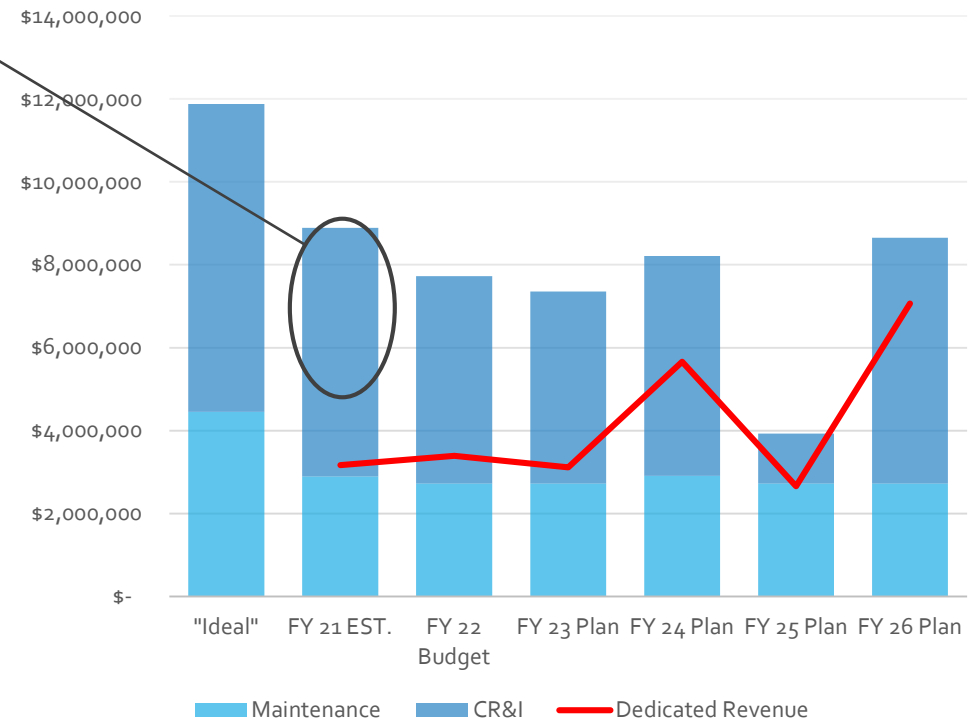
ROAD PAVEMENT IN CIP



Road Pavement

- MCORE, which does include some other assets
- Major transportation projects not broken up by asset in summary data

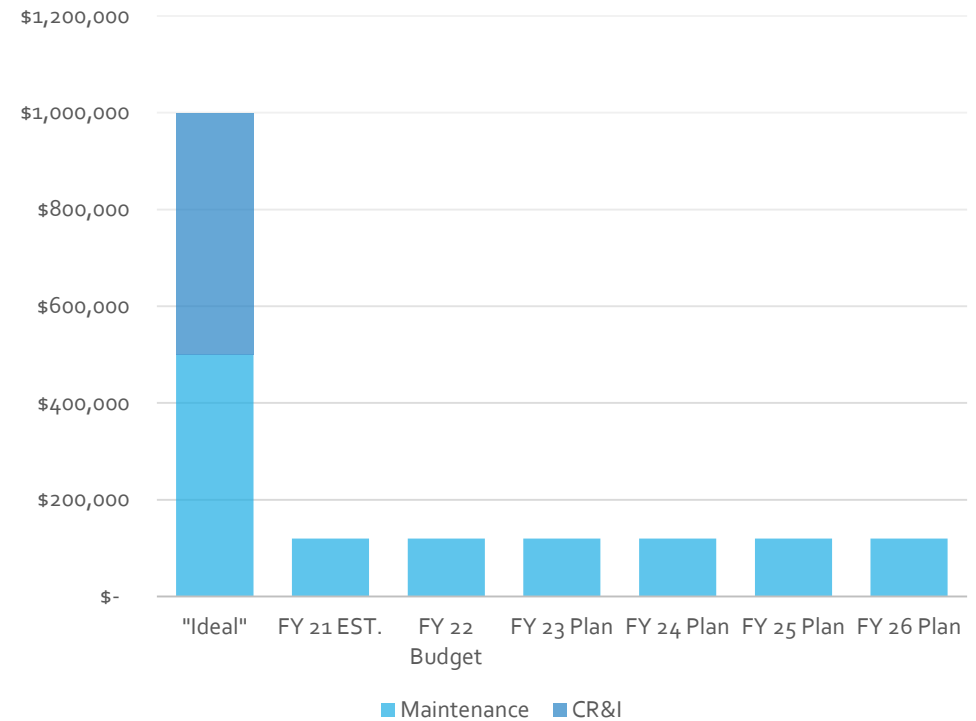
ROAD PAVEMENT IN CIP



Sidewalk and Paths

Asset Summary Table		
Quantity	4,165,040	Square feet
Value	\$50,000,000	Replacement Value
Life Expectancy	100	Years
Capital Replacement and Investment		
Target CR&I /Year	\$ 500,000	Straight Line Depreciation
Target CR&I /CIP	\$2,500,000	5-Year CIP
CIP Planned CR&I	-	Included in other projects
Deferred CR&I in CIP	(\$2,500,000)	
Operations and Maintenance Cost		
Annual O&M Target	\$ 500,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 120,000	Sidewalk and Paths Project
Annual Deficit	\$ 380,000	

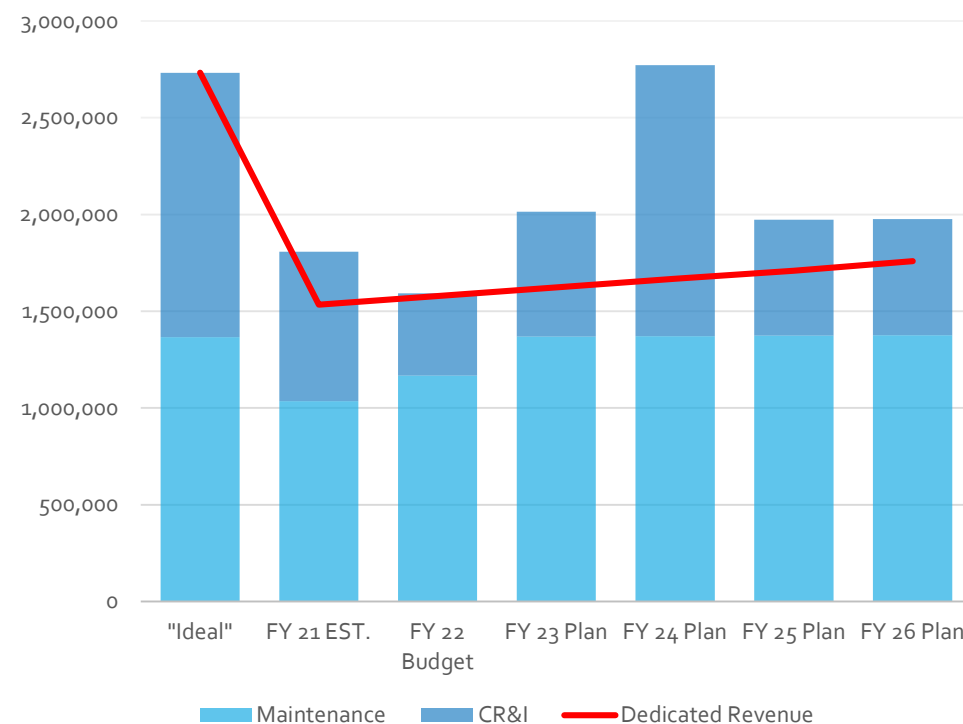
SIDEWALK AND PATHS IN CIP



Sanitary Sewers

Asset Summary Table		
Quantity	542,208	Feet of Pipe
Value	\$136,600,000	Replacement Value
Life Expectancy	100	Years
Capital Replacement and Investment		
Target CR&I /Year	\$ 1,366,000	Straight Line Depreciation
Target CR&I /CIP	\$6,830,000	5-Year CIP
CIP Planned CR&I	3,670,000	
Deferred CR&I in CIP	(\$3,160,000)	
Operations and Maintenance Cost		
Annual O&M Target	\$ 1,366,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 1,035,266	EST. using operations data
Annual Deficit	\$ 330,734	

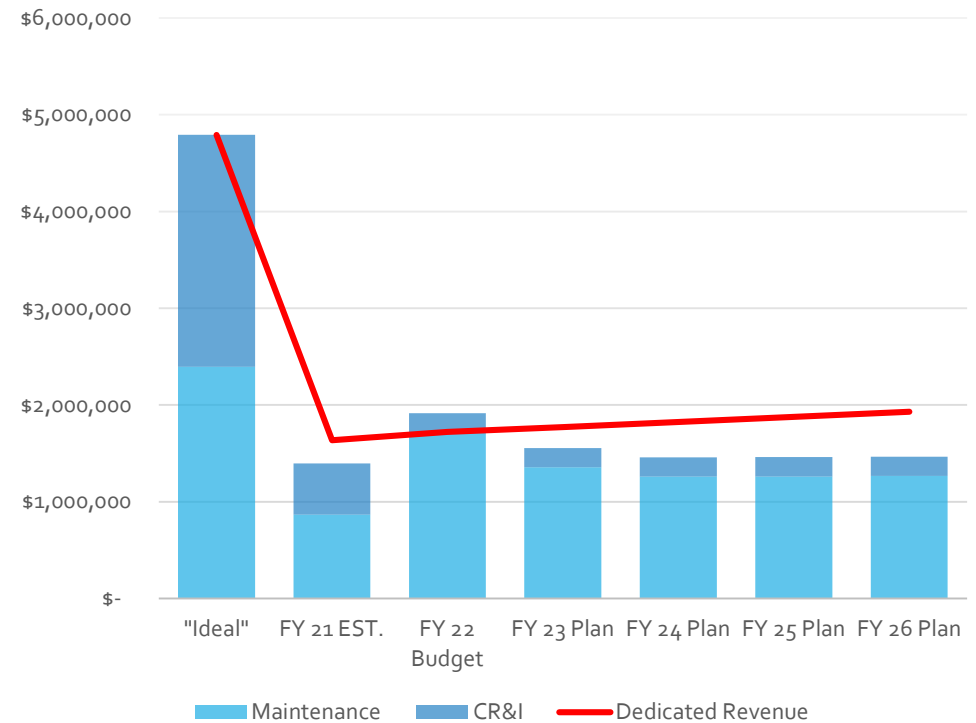
SANITARY SEWER IN CIP



Stormwater Facilities

Asset Summary Table		
Quantity	763,702	Feet of Pipe
Value	\$239,600,000	Replacement Value
Life Expectancy	175	Years
Capital Replacement and Investment		
Target CR&I /Year	\$ 2,396,000	Straight Line Depreciation
Target CR&I /CIP	\$11,980,000	5-Year CIP
CIP Planned CR&I	\$ 1,000,000	
Deferred CR&I in CIP	(\$10,980,000)	
Operations and Maintenance Costs		
Annual O&M Target	\$ 2,396,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 866,545	using operations data
Annual Deficit	\$ 1,529,455	

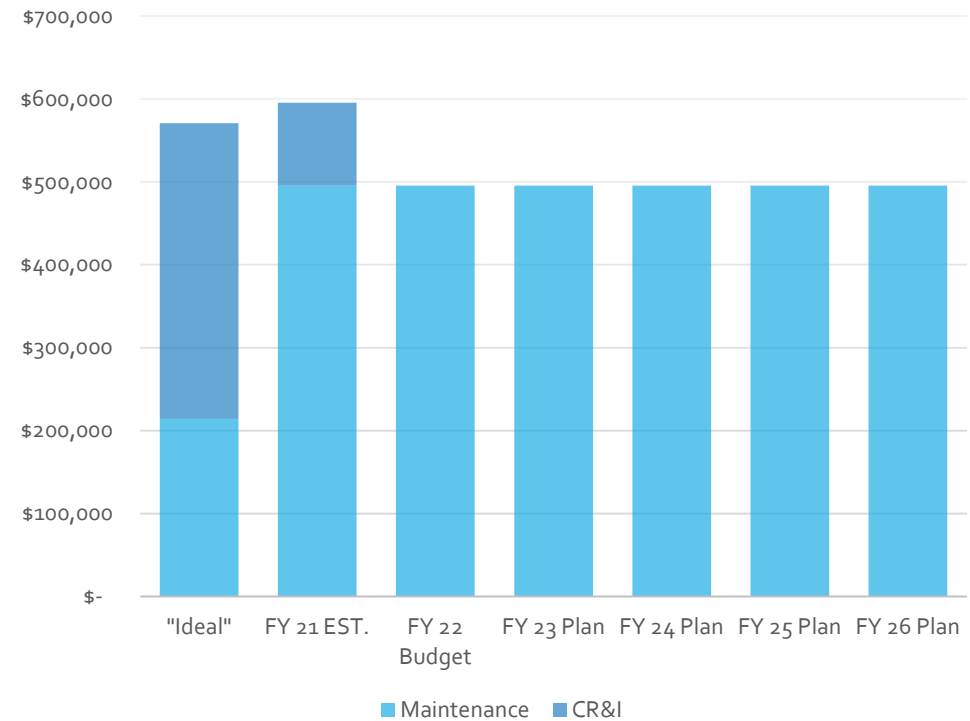
STORMWATER FACILITIES IN CIP



Urban Canopy

Asset Summary Table		
Quantity	10,935	City Trees
Value	\$21,400,000	Replacement Value
Life Expectancy	60	Years
Capital Replacement and Investment		
Target CR&I /Year	\$ 356,667	Straight Line Depreciation
Target CR&I /CIP	\$1,783,333	5-Year CIP
CIP Planned CR&I	\$100,000	
Deferred CR&I in CIP	(\$1,783,333)	
Operations and Maintenance Costs		
Annual Maintenance Target	\$ 214,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 495,512	EST. using operations data
Annual Deficit	\$(281,512)	

ARBOR/CANOPY IN CIP

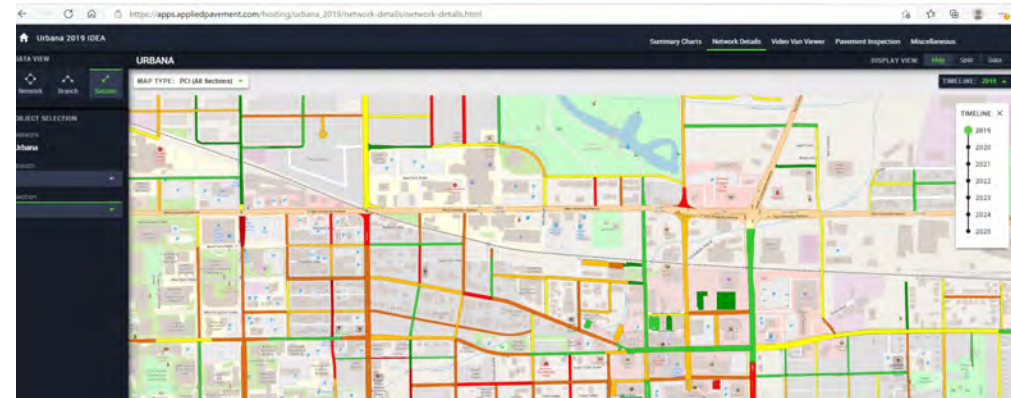


NEXT YEARS CIP

Continual Improvement of the Plan

Continuing Push Towards Strategic Asset Management

- Collecting and using data to make informed plans
- Goal for upcoming year is to develop some more systematic improvement plans for road maintenance programs, and sanitary and storm sewer improvements
- Maximizing limited revenues with a backlog of improvements



Re-evaluating Revenue Rates

- Re-evaluate before next year's CIP
- Local Motor Fuel, Sewer Benefit Tax, Stormwater Utility Fee
- Scenarios: continued deterioration, stable, 'acceptable condition', ideal condition
- Goal: Define what acceptable levels of condition are and determine what it would take financially.

THANK YOU



2021 CAPITAL IMPROVEMENT PLAN

SECTION 1. EXECUTIVE SUMMARY

SECTION 2. ASSET SUMMARIES

SECTION 3. TRANSPORTATION PROJECT BOOK

SECTION 4. FACILITIES PROJECT BOOK

SECTION 5. SEWER SYSTEM PROJECT BOOK

SECTION 6. FUND REPORTS

SECTION 1: EXECUTIVE SUMMARY



2021 Capital Improvement Plan

Executive Summary

Introduction

This executive summary highlights the updates to the City's 2021 Capital Improvement Plan (CIP). The City's CIP is updated annually per Section 3 of City Council Resolution No. 8788-R14. This resolution also outlines funding policies for various types of capital improvement and maintenance projects and directs implementation through the budget process.

What is the CIP?

The CIP outlines planned projects for the subsequent five fiscal years (currently for FY 22-26) for capital improvements for City infrastructure assets. The City currently organizes its capital assets into eight categories: 1. Bridges 2. Public Facilities 3. Lights, Signals, & Signs 4. Road Pavement 5. Sidewalks and Pathways 6. Sanitary Sewers 7. Stormwater Facilities and 8. Arbor/Canopy.

The CIP is comprised of five major funds.

Capital Replacement and Improvement Fund (CR&I)

The CR&I Fund is replenished by transfers from the General Fund. The CR&I Fund supports transportation projects, facilities projects, and other capital projects that require unrestricted funds.

Local Motor Fuel Tax Fund

Revenue for the Local MFT Fund comes from the local gas tax ordinance, last updated July 1, 2011. Funds are used for transportation capital projects and maintenance.

State Motor Fuel Tax Fund

The State MFT Fund receives revenue from the State of Illinois' motor fuel tax. Transportation projects that utilize State funds have extra restrictions and reporting requirements and are typically reserved for larger projects. Periodic transportation grants also support this fund.

Sewer Benefit Tax Fund

The Sewer Benefit Tax Fund derives its revenue from the sewer tax and is reserved for sanitary sewer improvements.

Stormwater Utility Fee Fund

The Stormwater Utility Fee Fund derives its revenue from the stormwater utility fee and is reserved for storm sewers and stormwater-related improvements.

In addition to the dedicated CIP funds, many operational and maintenance activities are supported by the City's General Fund. Other funds will occasionally support capital improvement projects, but in an ancillary capacity to their primary purpose; these include: TIF funds, parking fund, and CDBG funds. Grant opportunities are also continuously monitored.

CIP Planning Process

The CIP planning process begins in earnest January with a review of asset information. The CIP is then refined using the process immediately below and presented to Council during the budget review process. The CIP is adopted with a resolution and the proposed expenditures for the upcoming fiscal year are incorporated in, and approved by, the Budget Ordinance.

The general CIP planning process is as follows:

1. *Asset Summary Review*: Updating asset valuations to develop funding targets for capital replacement and investment as well as operations and maintenance.
2. *Review Capital Projects List*: Existing projects are analyzed and new potential projects are added based on input from Operations staff, Engineering staff, a review of Master Plans, and in response to public concerns. For new projects, back of the envelope (BOE) costs are used.
3. *Review of Maintenance Programs*: Expenditures for recurring maintenance line items are reviewed to ensure that there is an appropriate amount of funds to cover expected expenditures to reduce maintenance deferral.
4. *Prioritize Projects*: Information is gathered for potential projects and then prospective projects are evaluated for priority based off the data.
5. *Financial Projections*: Revenue projections and fund balances are updated each year. Grant opportunities are evaluated and considered.
6. *Schedule Projects for CIP*: Based off the availability of funds, the amount of expenditures on maintenance, and project prioritization, projects are added into the 5-year CIP.
7. *Review Fund Balances*: After projects are added into the CIP, the fund balances and trends are analyzed to ensure that implementation of the CIP is feasible.

CIP Team

Tim Cowan, Public Works Director
 Vince Gustafson, Deputy Director of Operations
 Andy Murphy, Operations Supervisor
 Ben Holzhausen, Operations Supervisor
 Shannon Beranek, Civil Engineer II
 Troy Richmond, Public Facilities Supervisor
 Kevin Sanderson, Arbor Supervisor
 Scott Tess, Sustainability and Resilience Officer
 Carol Mitten, City Administrator
 William Kolschowsky, Management Analyst
 Elizabeth Hannan, HRF Director
 Shaennon Clark, Deputy Finance Director
 Kris Francisco, Financial Services Manager

Major Highlights for the 2021 Capital Improvement Plan

Asset Summary & Funding Targets

The City has been aware that it has been lagging in investment in infrastructure for some time. The past several years, the City has invested in more planning and data collection efforts. In order to contextualize the data and use it effectively, this year's CIP includes a new 'Asset Summary' section. This section identifies the value of the assets, identifies capital replacement spending targets, analyzes revenues and compiles a summary for each asset class. The asset summaries are a work in progress in the sense that as the City collects and analyzes more data, the information will be updated and insights improved.

Equity and Quality of Life Project (EQL)

The FY 21-22 budget allocates \$2 million in funding for a new Equity and Quality of Life project. The project scope is to be defined as the year progresses based off of future directives from the Mayor and City Council.

Facilities Master Plan Implementation – The Need to Borrow

The bulk of implementing the Facilities Master Plan will occur during the next two years, with an expected \$10 million of expenditures on City facilities. The largest projects include a City Building lobby redesign, two new fire stations, a new storage building, and a reconstruction of Public Work facilities. For practical and financial reasons, it makes sense to undertake these projects in tight succession. However, this creates a short-term cash flow issue. In order to undertake these facilities improvements, the City will need to borrow. City staff will evaluate the cost and benefits

between intra-fund borrowing and issuing debt. Overall, the City has very little debt and has significant capacity to borrow more.

New Transportation Projects in the CIP

The following transportation projects are newly included the proposed FY 22-26 CIP. More details about each project can be found in the attached project book.

- Florida: Lincoln to Vine (construction component now slated for funding)
- Springfield: Wright to McCullough
- Anderson: Colorado to Florida (combines several past proposed projects)
- Pennsylvania: Lincoln to Race
- Race: Windsor to Florida

Maintenance and Capital Replacement Schedules

As part of a more strategic approach to asset management, the City is reevaluating maintenance programs and capital improvement schedules to be more thoughtful and with an eye towards extending asset life-cycles in a proactive and cost-effective manner. This year's CIP includes additional maintenance programs for roads, sanitary sewers, and stormwater sewers. It also calls for planning in FY 22 and later implementation for both signal and streetlight annual CR&I programs.

Financial Impact

Capital Replacement and Improvement Fund (CR&I)

The CR&I Fund revenues and expenses fluctuate significantly in the CIP. In FY 22, revenues are projected to be \$6.7M, inclusive of a \$2M general fund transfer for the EQL project and \$3.9M in borrowing for facilities projects; there are \$6.6M in expenses. FY 23 increases revenues and expenses further to \$7.0M and \$7.8M, respectively. Future years have expenses exceeding revenues, with the result of a drawing down of the fund balance by FY 26. At that point, either revenue will need to be increased or future projects reduced in scope.

Local Motor Fuel Tax Fund (MFT)

The Local MFT Fund is still recovering from the impact of COVID-19, with revenue expected to be \$793,000, which is still below pre-pandemic levels. Revenue expectations return to the previous baseline in FY 23. The Local MFT is used to pay for maintenance programs and smaller transportation projects as funds allow. FY 22 expenses are \$1.0M and the fund balance is projected to fluctuate, ending at \$170,000 in FY 26.

State Motor Fuel Tax Fund (State MFT)

The State MFT has several revenue sources in the CIP and is projected to be \$2.6M in FY 22. Like the Local MFT, State motor fuel taxes are still recovering from the pandemic. However, the City is still receiving funds from the Rebuild Illinois Capital program through 2023. The City will receive six periodic payments of \$453,000 and received the first in FY 20. Future year revenues also contemplate receiving grants for two major projects, Florida from Lincoln to Vine in FY 24 and Lincoln from Oregon to Florida in FY 26. The grants are for 80% of the project cost and require a 20% local match. If the City does not secure these grants, implementation of the projects would be delayed, or come at the expense of other projects. FY 22 calls for \$4.6M in spending for transportation projects. The fund balance fluctuates over the life of the CIP, and is projected to be \$700,000 at the end of FY 26.

Stormwater Utility Fund

There are few significant changes in total revenues or expenditures expected for FY 22, with modest increases to both. Over the five-year CIP, revenues increase from \$1.6M to \$1.9M and expenses hover around \$1.4M. FY 22 sees an increase of expense to \$1.9M, with the extra \$300,000 dedicated to a new street sweeper. While not yet incorporated in the CIP, it is expected that the completion and implementation of the Stormwater Master Plan will change the schedule and nature of expenses to be more project based and significantly greater. The current fund balance is a healthy \$3.0M at the end of FY 26.

Sanitary Sewer Fund

There are not any significant changes to revenues in the Sanitary Sewer Fund, increasing slightly in FY 22 to \$1.57M. This CIP includes more resources dedicated to maintenance and capital replacement adding televising, lining and reconstruction projects progressively through the CIP, causing regular expense to increase from \$1.6M in FY 22 to \$1.9M in FY 26. This increase, coupled with a few discrete projects, results in a fund balance that steadily declines over the life of the CIP. Staff expects to reevaluate revenues and expenses in FY 22 to determine the appropriate path forward.

Looking Ahead

In the upcoming year there are multiple activities that are planned that will significantly impact future CIP's.

Defining EQL Project

The project scope for EQL is currently undefined. The projects ultimately undertaken through this funding will be determined by goals and guidelines set by Council and the Mayor.

Design for Facilities Projects

Design for multiple City facility improvements is slated for FY 22. As design and engineering estimates are conducted and completed, cost figures will ultimately need to be revised. Cost figures currently included in the CIP come directly from the Facilities Master Plan and are top-level estimates for replacement exactly in-kind.

Reviewing Revenues

As *Section 2. Asset Summaries* shows, the City underspends on all capital improvements by an estimated \$10.9M a year. Over the next year, staff will evaluate options for revenue increases, specifically for local motor fuel tax, the sewer benefit tax, and stormwater utility fee.

Incorporating Parking Fund

The City has a Parking Fund that is used to collect parking revenues and maintain the parking infrastructure apparatus of garage, meters, software, and staff. The Parking Fund has had surplus in past years but COVID-19 has had a severe negative impact on the Parking Fund revenues and reserves. In the upcoming year, staff will need to re-evaluate the revenues, expenses, fund balance, and projects to determine a sustainable plan.

Strategic Asset Management

The backlog of deferred maintenance and replacement implies that the City needs to be even more creative and sophisticated in our approach. There are a multitude of software and asset management best practices staff continues to explore to improve our CIP and outcomes.

Remaining Sections of the CIP

Section 2. Asset Summaries

Section 3. Transportation Project Book

Section 4. Facilities Project Book

Section 5. Sewer System Project Book

Section 6. Fund Reports

SECTION 2: ASSET SUMMARIES



CAPITAL IMPROVEMENT PLAN

FISCAL YEARS 2022-2026

Capital Asset Summary

CITYWIDE ASSET SUMMARYS

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Capital Replacement and Investment	3
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ASSET SUMMARIES BY ASSET CLASS

Bridges	9
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Lights, Signals, & Signs	11
Road Pavement	12
Sidewalks and Pathways	13
Sanitary Sewers	14
Stormwater Facilities	15
Arbor/Canopy	16

Asset Valuation

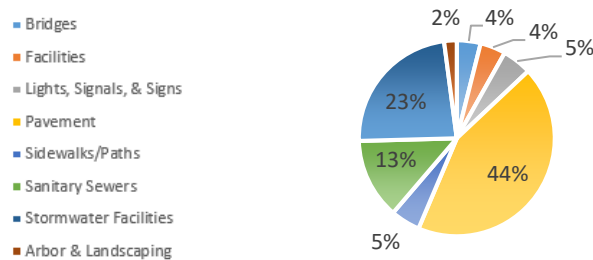
Summary

The City of Urbana classifies its capital assets into eight categories. The assets are valued by the total current reconstruction value (CRV). By far, the City's largest asset by valuation are roads, comprising 44% of the asset value. Sewers, both Stormwater and Sanitary, also are large assets by valuation. Generally speaking, the assets are valued using rough metrics that rely heavily on assumptions. For example, the CRV for Road Pavement was calculated by taking the square yards of pavement multiplied by regional averages for reconstruction by type of pavement. This is a rudimentary valuation, but provides a workable estimate. In general, CRV provides a straight forward estimate that is easy to calculate. The tradeoff with this method is that it does not reflect all of the nuances that affect depreciation of assets. A more robust method of valuation, such as life cycle assessment requires more time, expertise, cost, and data than currently available. Relatedly, given that valuations are for the reconstruction value, infrastructure can also be thought of as a liability for the City, given that they are future expense that the City will need to incur.

City-Owned Assets and Valuations

ASSET CLASS	ASSET COMPONENT	ESTIMATED AVERAGE UNIT PRICE	AVERAGE ESTIMATED LIFE EXPECTANCY	TOTAL CURRENT RECONSTRUCTION VALUE (CRV)
Bridges	Bridges and Culverts	\$1 - 2 Million per Bridge	75	\$40,300,000
Facilities	Fire Stations, PW & City Buildings	Between \$5- 20 Million	50	\$43,200,000
Lights, Signals, & Signs	Controllers, Mast Arms, Poles, Wire	\$6,000/Light Pole & \$25,000/Controller	40	\$49,800,000
Pavement	Concrete, Asphalt, treated & Brick Streets	\$160-180/square yard	60	\$445,500,000
Sidewalks/Paths	Sidewalks & Bike/Multi-use Paths	\$12/square foot	100	\$50,000,000
Sanitary Sewers	Sewer Pipes	\$250/foot	100	\$136,600,000
Stormwater Facilities	Sewer Pipes & Pumping Station	\$310/foot	100	\$239,600,000
Arbor/Canopy	Parkway Trees	\$2,000/mature tree	60	\$21,400,000
Total Current Reconstruction Value:				\$1,026,400,000

Percentage of Current Reconstruction Value by Asset Class



Capital Replacement and Investment

Capital Replacement and Investment (CR&I) Spending Target

By using the asset valuation and average lifecycle, a baseline target for anticipated capital replacement and investment expenditures can be calculated. On the whole, Urbana should expect to need to commit \$14.7M a year on CR&I to replace its infrastructure with in-kind quality replacement in order to maintain current conditions without falling behind.

Estimated Annual CR&I Cost to Maintain Infrastructure Quality

ASSET CLASS	TOTAL CURRENT RECONSTRUCTION VALUE (CRV)	AVERAGE ESTIMATED LIFE EXPECTANCY	ANNUAL CR&I COST USING STRAIGHT LINE DEPRECIATION
Bridges	\$40,300,000	75	\$537,333
Facilities	\$43,200,000	50	\$864,000
Lights, Signals, & Signs	\$49,800,000	40	\$1,245,000
Road Pavement	\$445,500,000	60	\$7,425,000
Sidewalks and Pathways	\$50,000,000	100	\$500,000
Sanitary Sewers	\$136,600,000	100	\$1,366,000
Stormwater Facilities	\$239,600,000	100	\$2,396,000
Arbor/Canopy	\$21,400,000	60	\$356,667
Totals	\$1,026,400,000	70	\$14,690,000

The \$14.7M figure represents a best case scenario, where that amount has been accrued annually as a reserve for future replacement. In practice, Urbana has habitually under-committed funds for future capital replacement. To illustrate this point, if the City had been accruing reserves for future facilities projects since the most recent capital investments, the City would have \$21M in reserved funds to undertake the Facility Master Plan. Instead, the City will need to borrow funds and is only proposing to spend \$10M in CR&I at this point, suggesting that the average quality of our facility assets will continue to decline over time.

Capital Replacement and Investment in CIP

Urbana will not meet this level of desired investment, since we are only averaging \$6.8M in capital investment over the life of the CIP. This will ultimately lead to utilization of public infrastructure beyond its life expectancy, effectively increasing the rate of deterioration which will require higher operating and maintenance costs.

Capital Replacement Investment Expenditures in CIP

Asset Class	FY22 Plan	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan	Average
Multifaceted Project	\$2,000,000	\$0	\$0	\$0	\$0	\$400,000
Bridges	\$0	\$0	\$0	\$0	\$0	\$0
Facilities	\$50,000	\$533,263	\$1,104,025	\$1,104,025	\$1,104,024	\$779,067
Lights, Signals, & Signs	\$125,000	\$1,000,000	\$0	\$250,000	\$0	\$275,000
Road Pavement	\$5,002,568	\$4,630,966	\$6,053,750	\$1,200,000	\$5,925,000	\$4,412,457

Sidewalks and Pathways	\$0	\$0	\$0	\$0	\$0	\$0
Sanitary Sewers	\$425,000	\$645,000	\$1,400,000	\$600,000	\$600,000	\$734,000
Stormwater Facilities	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Arbor/Canopy	\$0	\$0	\$0	\$0	\$0	\$0
Total Capital Improvement Spending	\$7.8 M	\$7.0 M	\$8.7 M	\$3.3 M	\$7.8 M	\$6.8 M

Operation and Maintenance

Operation and Maintenance (O&M) Spending Target

In addition to replacement at the end of an asset's life-cycle, there are also interim operational and maintenance activities that are required to maintain usable condition and life expectancy of an asset. For example, while a road may not need a total replacement for 60 years, over its life there will be ongoing O&M costs of pot-hole filling, crack sealing, etc. that are still required to achieve the desired life expectancy. This year's CIP is Urbana first attempt to incorporate an understanding of O&M costs into a long range plan. While there is likely more gradation in the maintenance requirements than currently used in the calculations below, the varied type of assets within a class, local nuances, and past deferred maintenance make further refinement more complicated. Further refinement is not expected to provide greater insight and the current annual O&M target was found to be reasonable when compared to the City's current practices.

Estimated Annual O&M Cost to Maintain Asset Life Expectancy

ASSET CLASS	TOTAL CURRENT RECONSTRUCTION VALUE (CRV)	ESTIMATED OPERATION AND MAINTENANCE REQUIREMENT	Annual O&M
Bridges	\$ 40,300,000	1.0%	\$ 403,000
Facilities	\$ 43,200,000	1.0%	\$ 432,000
Lights, Signals, & Signs	\$ 49,800,000	1.0%	\$ 498,000
Road Pavement	\$ 445,500,000	1.0%	\$ 4,455,000
Sidewalks and Pathways	\$ 50,000,000	1.0%	\$ 500,000
Sanitary Sewers	\$ 136,600,000	1.0%	\$ 1,366,000
Stormwater Facilities	\$ 239,600,000	1.0%	\$ 2,396,000
Arbor/Canopy	\$ 21,400,000	1.0%	\$ 214,000
Totals	\$ 1,026,400,000	1.0%	\$ 10,264,000

Operation and Maintenance in CIP

Throughout the CIP, the City spending is below the O&M target, but is generally close to the target, spending an average of \$8.6M a year on O&M for the City's assets. While this is close to the hypothetical target, the target does not incorporate the impact past deferred CR&I into the funding goal, which increases maintenance costs. Ultimately, the City is still below the target on an ongoing basis, which will result in deteriorating conditions and shorter life expectancies.

Operation and Maintenance Expenditures by City

Asset Class	FY22 Plan	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan	Average
Multifaceted Projects	\$632,446	\$632,446	\$632,446	\$632,446	\$632,446	\$632,446
Bridges	\$0	\$0	\$0	\$0	\$0	\$0
Facilities	\$785,186	\$785,186	\$910,186	\$910,186	\$910,186	\$860,186
Lights, Signals, & Signs	\$998,539	\$988,539	\$988,539	\$988,539	\$988,539	\$990,539
Road Pavement	\$2,726,163	\$2,726,163	\$2,906,163	\$2,726,163	\$2,726,163	\$2,762,163
Sidewalks and Pathways	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000
Sanitary Sewers	\$1,168,206	\$1,369,916	\$1,371,675	\$1,373,482	\$1,375,340	\$1,331,724
Stormwater Facilities	\$1,714,760	\$1,355,075	\$1,259,242	\$1,261,013	\$1,265,694	\$1,371,157
Arbor/Canopy	\$495,512	\$495,512	\$495,512	\$495,512	\$495,512	\$495,512
Total O&M	\$8.6 M	\$8.4 M	\$8.7 M	\$8.5 M	\$8.5 M	\$8.6 M

Double Jeopardy

Urbana is below the annual targets for both CR&I and O&M investment. For CR&I, the consequence is infrastructure use well beyond our assets’ reasonably functional lives to a point of critical failure. The consequences for deferred O&M is quicker deterioration of our assets ultimately resulting in shorter life expectancies. The combination of underfunding both of these together exponentially increases the potential for catastrophic failures; in these instances, our options become restricted to abandonment, costly, unplanned emergency expenditures, or acceptance and use of ‘failed’ assets.

Revenue Summary

Revenue

Capital replacement and investment and operation and maintenance have diversified revenue streams. Stormwater Facilities and Sanitary Sewers have their own funds that are supported by dedicated taxes and user fees; these fees fund both CR&I and O&M expenses. Transportation projects are funded by a combination of local motor fuel tax, state motor fuel tax, and state/federal transportation grants. Large transportation capital projects are primarily directed to road pavement but often include other assets in the right-of-way. Motor fuel and transportation grants generally have restrictions on what they can be used for and can have extensive documentation requirements.

The remaining funds for CIP projects come from the City of Urbana General Fund. O&M expenses such as staff time, vehicles, engineering, upkeep, etc. for each asset are typically part the Public Works Department and are included in the annual budget. The General Fund also transfers money to the CR&I Fund (Fund 200), which can be used on specific capital projects or programs.

Over the long run, the average amount of revenue equals the average amount of expenditures. In the short run, there is variation based on projects timing and fund balance levels. Each revenue stream has its own respective long run outlook:

Motor Fuel Taxes

Revenue for local motor fuel taxes comes from the local gas tax ordinance, last updated July 1, 2011. Funds are used for transportation capital projects and maintenance. State motor fuel taxes come from three sources: state motor fuel tax, the transportation renewal fund, and the Rebuild Illinois capital program. The City will receive \$906,000 from Rebuild Illinois in FY 22, and \$453,000 in FY 23, the last year of proceeds.

In the past year, motor fuel taxes have been negatively impacted by the pandemic. The past fiscal year saw approximately \$320,000 less revenue compared to pre-pandemic expectations and the upcoming fiscal year anticipates total revenue to be approximately \$90,000 less than pre-pandemic expectations. Projecting forward, the CIP assumes flat motor fuel taxes to reflect the increasing electric vehicle market.

Grants

Grants are highly competitive and unpredictable. The proposed CIP assumes that the City will receive grants for two major projects: Florida Avenue (Lincoln to Vine) and Lincoln Avenue (Green to Florida). The Lincoln and Springfield project was also recently submitted for a congressional earmark and may receive grant funding that is not currently anticipated in the CIP. The projects that may receive grants are high priority projects. If the City does not receive these grants, the projects will likely still occur, but on a delayed schedule and at the cost of other projects.

Bond Issuance

The CIP incorporates debt issuance to implement Facility Master Plan projects. Currently, the City only has \$3.2M in debt, or \$77 per capita – substantially less than many surrounding communities, which range between \$600 and \$2,000 per capita.

Sewer Benefit Tax

The Sanitary Sewer Fund derives its revenue from the sewer tax and is reserved for sewer improvements and is stable.

Stormwater Utility Fee

The Stormwater Utility Fund derives its revenue from the stormwater utility fee and is reserved for storm sewers and stormwater-related improvements and is stable.

General Fund

In addition to O&M expenses paid directly out of the General Fund, the CR&I Fund is replenished by transfers from the General Fund. The CR&I Fund supports transportation projects, facilities projects, and other capital projects that may require unrestricted funds. Historically, the amount of transfers has fluctuated. In FY 22 there is a one-time increase of \$2,000,000 to fund Equity and Quality of Life projects.

Revenue Sources for Capital Improvements

Asset Class	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan	Average
General Fund Operations	\$5,052,846	\$5,153,903	\$5,256,981	\$5,362,121	\$5,469,363	\$5,259,043
Unrestricted CR&I	\$2,824,783	\$841,279	\$858,105	\$875,268	\$875,268	\$1,054,941
Bond Proceeds	\$3,892,000	\$6,150,000	\$0	\$0	\$0	\$2,008,400
Motor Fuel Taxes	\$3,395,634	\$3,114,420	\$2,659,103	\$2,660,529	\$2,662,473	\$2,898,432

State and Federal Grants	\$0	\$0	\$3,000,000	\$0	\$4,400,000	\$1,480,000
Sanitary Sewers	\$1,578,206	\$1,623,635	\$1,668,389	\$1,709,290	\$1,757,991	\$1,667,502
Stormwater Facilities	\$1,722,187	\$1,771,837	\$1,822,918	\$1,875,476	\$1,929,554	\$1,824,394
Total Revenue	\$17,465,656	\$18,655,073	\$15,265,496	\$12,482,684	\$17,094,649	\$16,192,712

Funding Gap Analysis

Funding Gaps

A quick comparison of funding targets and current revenue shows that current revenues are substantially less than the funding targets for CR&I or O&M. In the long run, this will lead to a deterioration of the average asset condition and shortening of life expectancy. Altogether, current revenues are approximately \$10.9M less than the total combined funding target of \$25M.

Funding Gaps

Asset Class	CR&I Target	O&M Target	Total Target	Revenue (less debt)	Funding Gap	Revenue Source
Major Road	\$7,425,000	\$4,455,000	\$11,880,000	\$6,674,092	(\$5,205,908)	MFT taxes
Other/Unrestricted.	\$3,503,000	\$2,047,000	\$5,550,000	\$3,812,127	(\$1,737,873)	Prop. Taxes
Sanitary Sewer	\$1,366,000	\$1,366,000	\$2,732,000	\$1,667,502	(\$1,064,498)	Benefit Tax
Stormwater	\$2,396,000	\$2,396,000	\$4,792,000	\$1,824,394	(\$2,967,606)	User Fee
Total	\$14,690,000	\$10,264,000	\$24,954,000	\$13,978,115	(\$10,975,885)	

Sustainable Rates

It should be noted again, that the asset valuations and funding targets are developed using benchmark industry standards that have an inherent degree of imprecision. However, this analysis can be used to begin to identify what new, sustainable tax rates are needed in order to increase revenue sufficiently to fund the targeted amount of expenditures. For a two-car, two-and-a-half person, single-family household, the projected effect would be an increase in taxes and fees of \$229/year. In the upcoming fiscal year, staff plans on exploring this issue in more detail to inform a discussion of sustainable tax rates.

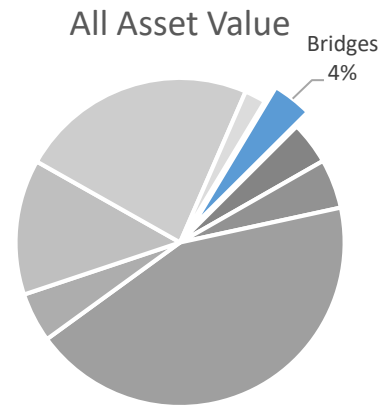
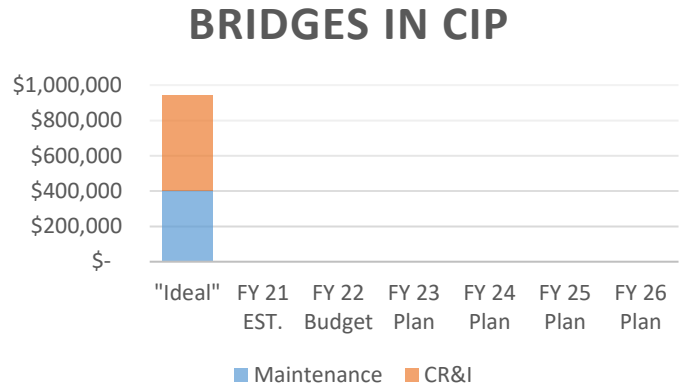
Hypothetical/Illustrative Sustainable Rates

Asset Class	Current Rate	Needed Rate Increase	New Rate	Average Annual New Revenue/User	Calculations Notes
Pavement/Major Road	\$0.05	78%	\$0.09	\$25	Per Driver (650 gallon a year)
Other/Unrestricted.		5%	\$0.00	\$43	Total General Fund Revenue, Per 2.5 person household
Sanitary Sewer	\$0.15	64%	\$0.25	\$36	Rate per 100 gallons, assume 100 per day per household
Stormwater	\$4.94	163%	\$12.98	\$96	Per single family home (year)
Total				\$292	Per household

Bridges

Description: Bridges and Box Culverts in the City of Urbana used either for pedestrian or vehicular traffic.

Asset Summary Table		
Quantity	25	Bridges
Value	\$40,300,000	Replacement Value
Life Expectancy	75	Years
Capital Replacement and Investment		
Target CR&I / Year	\$ 537,333	Straight Line Depreciation
Target CR&I /CIP	\$2,686,667	5-Year CIP
CIP Planned CR&I	0	
Deferred CR&I in CIP	(\$2,686,667)	
Operations and Maintenance Cost		
Annual O&M Target	\$ 403,000	Rudimentary 1%
Current Annual Maintenance Cost	-	No separate Program
Annual Deficit	\$ 403,000	



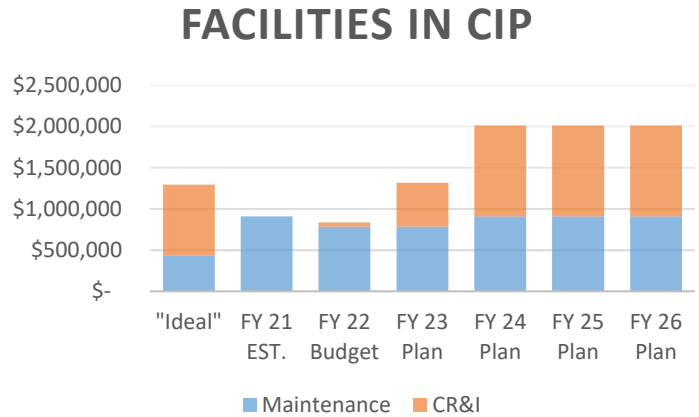
Notes: Further developing asset information, forthcoming later 2021. No bridges currently identified as needing capital improvements within 5-year CIP. Preliminary information suggest that there may be needed bridge improvements in the years immediately following the CIP.

Asset Plan Documents: [Bridge Survey](#)

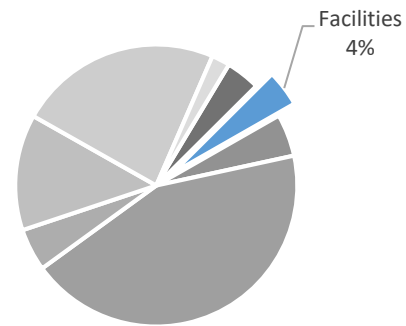
Public Facilities

Description: Public facilities: four Fire stations, pump house, LRC, City Building, Civic Center, Public Works buildings, storage shed, and landfill.

Asset Summary Table		
Quantity	12	Major Public Facilities
Value	\$43,200,000	Replacement Value
Life Expectancy	50	Years
Capital Replacement and Investment		
Target CR&I / Year	\$ 864,000	Straight Line Depreciation
Target CR&I /CIP	\$4,320,000	5-Year CIP,
CIP Planned CR&I	3,895,337	Debt Payments
Deferred CR&I in CIP	(\$424,663)	Implementing Facilities Plan
Operations and Maintenance Cost		
Annual O&M Target	\$ 432,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 125,000	EST. using operations data
Annual Deficit	\$ 353,186	



All Asset Value



Notes: The City is implementing the vast majority of the Facilities Master Plan. The surplus capital spending in the CIP reflects years of deferred investment. After the completion of the plan, most facilities would not need major CR&I improvements for several years, with the possible exception of a City Building expansion. Since facilities improvements are occurring in rapid succession, it is important to understand the limitations of the straight line depreciation on replacement value for financial planning. The CR&I expenditures reflect annual debt service payments as they occur.

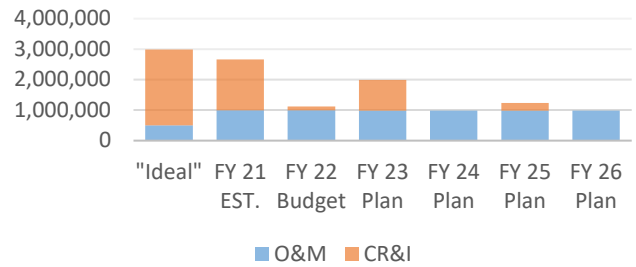
Asset Plan Documents: [Facilities Master Plan](#)

Lights, Signals, Signs

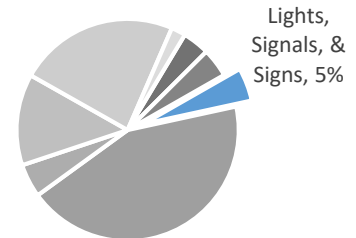
Description: 48 traffic signal controllers, 96 traffic signal mast arms, 96 traffic signal poles, 98 street light controllers, 4,073 street light poles/luminaires, 512,181 feet of conduit and wiring and 4,516 signs.

Asset Summary Table		
Quantity	4,073	Light Poles
Value	\$ 49,810,000	Replacement Value
Life Expectancy	40	Years
Capital Replacement and Investment		
Target CR&I / Year	\$ 1,245,000	Straight Line Depreciation
Target CR&I /CIP	\$6,225,000	5-Year CIP
CIP Planned CR&I	\$ 1,375,000	(some work included in Projects)
Deferred CR&I in CIP	(\$4,850,000)	
Operations and Maintenance Cost		
Annual O&M Target	\$ 498,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 1,416,160	EST. using operations budget
Annual Deficit	\$ (918,160)	(surplus due to past deferrals)

LIGHTS/SIGNALS/SIGNS IN CIP



All Asset Value



Notes: Goal in this CIP is to develop long-term proactive maintenance and capital investment strategies. FY 22 Budget has funds set aside to develop a plan.

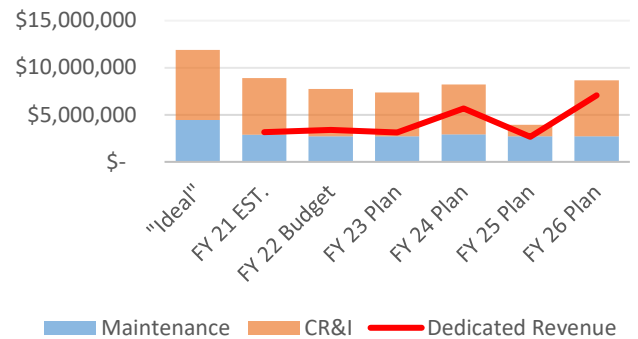
Asset Plan Documents: No current plan documents.

Road Pavement

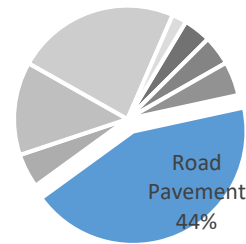
Description: 2,557,508 square yards of pavement.

Asset Summary Table		
Quantity	2,557,508	Square Yards of Pavement
Value	\$445,500,000	Replacement Value
Life Expectancy	60	Years
Capital Replacement and Investment		
Target CR&I / Year	\$7,425,000	Straight Line Depreciation
Target CR&I /CIP	\$37,125,000	5-Year CIP
CIP Planned CR&I	\$ 22,062,284	
Deferred CR&I in CIP	(\$15,062,716)	
Operations and Maintenance Cost		
Annual O&M Target	\$ 4,455,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 2,370,798	EST. using operations data
Annual Deficit	\$ 2,084,202	

ROAD PAVEMENT IN CIP



All Asset Value



Notes: The City recently completed its pavement condition assessment and is beginning to use that as the driving force behind scoping and prioritizing transportation capital improvement projects. More detail on the transportation prioritization method can be seen in the Transportation Project Book section of the CIP. Regarding life expectancy, 60 years is the ideal; for reference IDOT benchmarks roads at a 45-year life expectancy. Currently, the construction standards in City code allow for roads that may not last 20 years, a problem the City is currently experiencing with several subdivision built in the early 2000's, including Smith Road in Savannah Green, which is slated for improvements in FY 23 in the CIP.

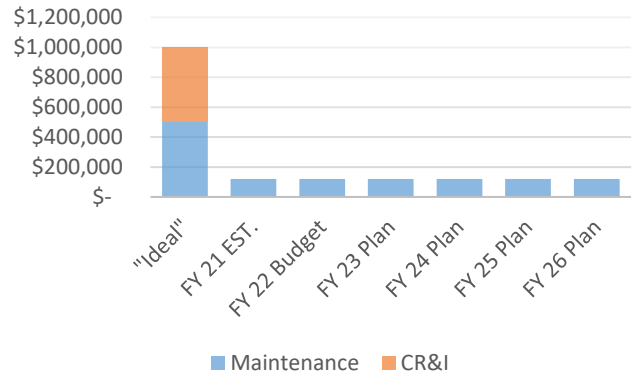
Asset Plan Documents: [Pavement Condition Assessment Study](#)

Sidewalk and Paths

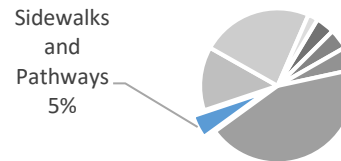
Description: 4.1 million square feet of pavement for sidewalks and pathways in the City rights-of-way.

Asset Summary Table		
Quantity	4,165,040	Square feet
Value	\$50,000,000	Replacement Value
Life Expectancy	100	Years
Capital Replacement and Investment		
Target CR&I / Year	\$ 500,000	Straight Line Depreciation
Target CR&I /CIP	\$2,500,000	5-Year CIP
CIP Planned CR&I	-	Included in other projects
Deferred CR&I in CIP	(\$2,500,000)	
Operations and Maintenance Cost		
Annual O&M Target	\$ 500,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 120,000	Sidewalk and Paths Project
Annual Deficit	\$ 380,000	

SIDEWALK, PATHS IN CIP



All Asset Value



Notes: The Champaign Regional Planning Commission has a Sidewalk Network Inventory and Assessment. This has not been translated to an annual CR&I implementation plan. While there are not distinct sidewalk projects in the CIP, sidewalks and paths are typically improved in large transportation projects.

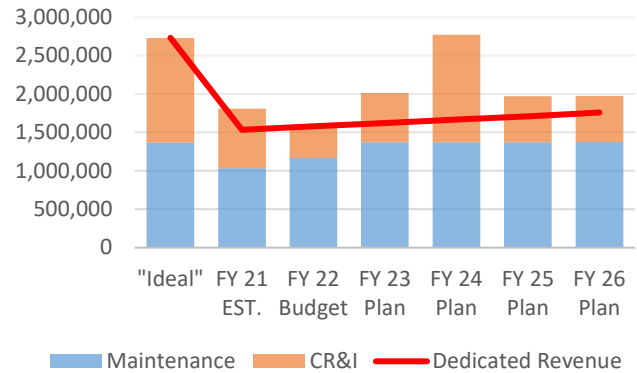
Asset Plan Documents: [RPC Sidewalk Inventory](#)

Sanitary Sewers

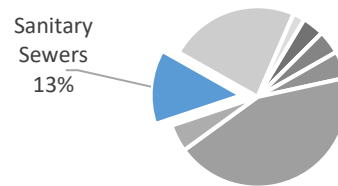
Description: 542,208 feet of pipe (102 miles) of pipe of various diameters as well as 2,315 manholes.

Asset Summary Table		
Quantity	542,208	Feet of Pipe
Value	\$136,600,000	Replacement Value
Life Expectancy	100	Years
Capital Replacement and Investment		
Target CR&I / Year	\$ 1,366,000	Straight Line Depreciation
Target CR&I /CIP	\$6,830,000	5-Year CIP
CIP Planned CR&I	3,670,000	
Deferred CR&I in CIP	(\$3,160,000)	
Operations and Maintenance Cost		
Annual O&M Target	\$ 1,366,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 1,035,266	EST. using operations data
Annual Deficit	\$ 330,734	

SANITARY SEWER IN CIP



All Asset Value



Notes: The City has its own sanitary sewer assets, but shares the system with the Urbana Champaign Sanitary District, which owns their own pipes and the Wastewater Treatment Plant. The Urbana Sewer Use rate is \$0.1540 per 100 gallons.

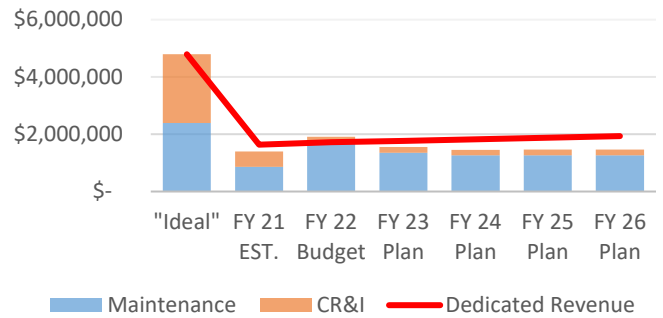
Asset Plan Documents: https://www.urbanaininois.us/Sanitary_Sewer_System

Stormwater Facilities

Description: Stormwater facilities include 763,702 feet (144 miles) of stormwater pipes, wet bottom retention basis, dry bottom detention basins, 8,000 manholes, and the Vine Street pump station.

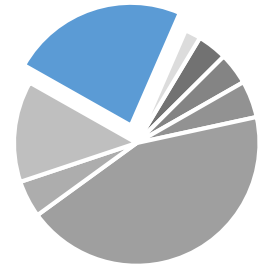
Asset Summary Table		
Quantity	763,702	Feet of Pipe
Value	\$239,600,000	Replacement Value
Life Expectancy	100	Years
Capital Replacement and Investment		
Target CR&I / Year	\$ 2,396,000	Straight Line Depreciation
Target CR&I /CIP	\$11,980,000	5-Year CIP
CIP Planned CR&I	\$ 1,000,000	
Deferred CR&I in CIP	(\$10,980,000)	
Operations and Maintenance Costs		
Annual O&M Target	\$ 2,396,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 866,545	using operations data
Annual Deficit	\$ 1,529,455	

STORMWATER FACILITIES IN CIP



All Asset Value

Stormwater Facilities
23%



Notes: New stormwater facility master plan to be completed in 2021. There is a dedicated Stormwater utility fee (\$4.95 for residential customers) that funds the stormwater management program.

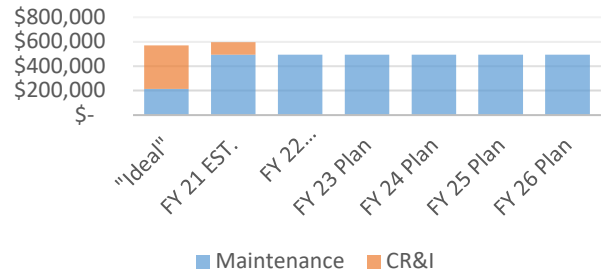
Asset Plan Documents: Final Stormwater Utility Plan forthcoming
https://www.urbanillinois.us/Stormwater_Utility_Fee

Urban Canopy

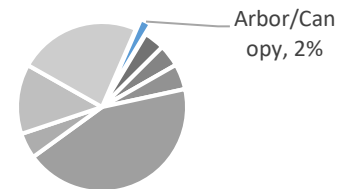
Description: Parkway trees, in City owned rights-of-way and City-owned properties.

Asset Summary Table		
Quantity	10,935	City Trees
Value	\$21,400,000	Replacement Value
Life Expectancy	60	Years
Capital Replacement and Investment		
Target CR&I / Year	\$ 356,667	Straight Line Depreciation
Target CR&I /CIP	\$1,783,333	5-Year CIP
CIP Planned CR&I	\$100,000	
Deferred CR&I in CIP	(\$1,783,333)	
Operations and Maintenance Costs		
Annual Maintenance Target	\$ 214,000	Rudimentary 1%
Current Annual Maintenance Cost	\$ 495,512	EST. using operations data
Annual Deficit	\$(281,512)	

ARBOR/CANOPY IN CIP



All Asset Value



Notes: The City has over 10,000 parkways trees planted. In addition to reactive maintenance from wear and weather, trees are proactively trimmed on a multi-year cycle. Ideally, parkway trees should be trimmed on a 5-year to 7-year cycle; with current resources, the City is only able to trim trees on a 15-year cycle. The annual CR&I figure is the replacement cost of a mature tree. In practice, a 60-year old tree would not be replaced in kind. This figure does not include the cost of adding new trees to vacant sites. It should be noted that planting new trees would come with a corresponding increase in maintenance requirements; without an increase in staff and equipment, the proactive trimming cycle would lengthen, impacting the health of the trees.

Asset Plan: The City is currently reviewing its long-term plans for managing its Urban Canopy. Past practice has been to replace trees as they die. However, this practice, in conjunction with budget constraints has led to a geographically inequitable distribution of City trees. The City recently received a \$100,000 grant from a private donor to promote a more equitable allocation of street trees.

SECTION 3: TRANSPORTATION PROJECT BOOK



CAPITAL IMPROVEMENT PLAN

FISCAL YEARS 2022-2026

Transportation Project Book

SIGNALS, LIGHTING & PATHS

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Bike Lanes and Side Paths	3
Misc. Traffic Studies	4
Traffic Signal Maintenance	5
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ANNUAL ROAD PROGRAMS

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MAJOR STREET PROJECTS

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Anderson: Colorado to Florida	24
Pennsylvania: Orchard to Race	25
Race: Windsor to Florida	26

40101 - SIDEWALK MAINTENANCE



Project Description

Annual maintenance of sidewalks.

Project Justification

Improves segments needing work.

Changes from Prior CIP

Associated Master Plan

Neighborhood(s)

City-wide

Critical Milestones

	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
EXPENSE					
200 - CAPITAL REPLACMT & IMPROV FUND	100,000	100,000	100,000	100,000	100,000
	100,000	100,000	100,000	100,000	100,000

40113 - BIKE LANES & SIDEPATHS



Project Description

Improvement of bike lanes and side/multi-use paths.

Project Justification

To improve bicycle and pedestrian transportation.

Changes from Prior CIP

Associated Master Plan

Pedestrian Master Plan
Bicycle Master Plan

Neighborhood(s)

City-wide

Critical Milestones

EXPENSE	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
200 - CAPITAL REPLACMT & IMPROV FUND	20,000	20,000	20,000	20,000	20,000
	20,000	20,000	20,000	20,000	20,000

40120 - MISC. TRAFFIC STUDIES



Project Description

Traffic Impact Studies as the need arises.

Project Justification

Typically responses to incidents or development.

Changes from Prior CIP

Associated Master Plan

Neighborhood(s)

City-wide

Critical Milestones

	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
EXPENSE					
200 - CAPITAL REPLACMT & IMPROV FUND	10,000	10,000	10,000	10,000	10,000
	10,000	10,000	10,000	10,000	10,000

40141 - TRAFFIC SIGNAL MAINTENANCE



Project Description

Maintenance of traffic signals as the need for repairs arises.

Project Justification

Maintains asset functionality.

Changes from Prior CIP

Associated Master Plan

Neighborhood(s)

City-wide

Critical Milestones

	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
REVENUE					
200 - CAPITAL REPLACMT & IMPROV FUND	15,000	15,000	15,000	15,000	15,000
	15,000	15,000	15,000	15,000	15,000
EXPENSE					
200 - CAPITAL REPLACMT & IMPROV FUND	10,000	-	-	-	-
	10,000	0	0	0	0

40604 - ANNUAL SIGNAL CR&I



Project Description

Systematic improvement of traffic signals and components thereof.

Project Justification

Regular improvement schedule to maintain infrastructure quality.

Changes from Prior CIP

New program

Associated Master Plan

Neighborhood(s)

City-wide

Critical Milestones

FY22 Create Plan
FY23 Begin Improvement Cycle

	FY22 Budget	FY23 Plan	FY25 Plan
EXPENSE			
200 - CAPITAL REPLACMT & IMPROV FUND	75,000	250,000	250,000
	75,000	250,000	250,000

40606 - ANNUAL STREET LIGHTING CR&I



Project Description

Annual street lighting improvements and components thereof.

Project Justification

Scheduled, cyclical improvements of street lights.

Changes from Prior CIP

New program

Associated Master Plan

Neighborhood(s)

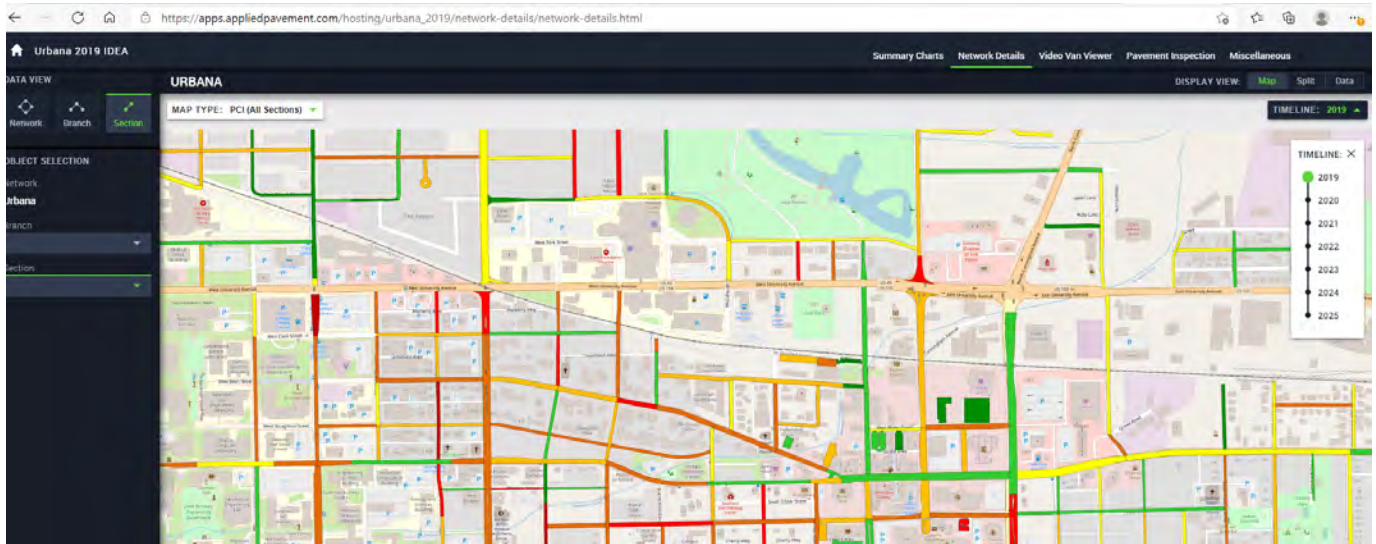
City-wide

Critical Milestones

FY22 Create Plan
FY23 Begin Improvements

	FY22 Budget	FY23 Plan
EXPENSE		
200 - CAPITAL REPLACMT & IMPROV FUND	50,000	750,000
	50,000	750,000

40112 - PAVEMENT MAINTENANCE



Project Description

Obtaining pavement condition information and periodic scoping of pavement improvement plans.

Project Justification

Informs CIP project creation.

Changes from Prior CIP

Construction expenditures moved to more specific annual road programs.

Neighborhood(s)

City-wide

Associated Master Plan

Critical Milestones

Update PAVER data FY 24

	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
EXPENSE					
200 - CAPITAL REPLACMT & IMPROV FUND	20,000	20,000	200,000	20,000	20,000
	20,000	20,000	200,000	20,000	20,000

40108 - ANNUAL STREET PATCHING



Project Description

Annual patching program to maintain City streets.

Project Justification

Part of annual pavement maintenance and improvement programs that try to most effectively balance method and cost.

Changes from Prior CIP

Budget increased
program scope more defined.

Associated Master Plan

Neighborhood(s)

City-wide

Critical Milestones

EXPENSE	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
202 - LOCAL MOTOR FUEL TAX FUND	250,000	250,000	250,000	250,000	250,000
	250,000	250,000	250,000	250,000	250,000

40114 - OIL & CHIP, SEAL, PRESERVATION



Project Description

Annual oil, chip, and seal preservation program.

Project Justification

Part of annual pavement maintenance and improvement programs that try to most effectively balance method and cost.

Changes from Prior CIP

Associated Master Plan

Neighborhood(s)

City-wide

Critical Milestones

	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
EXPENSE					
202 - LOCAL MOTOR FUEL TAX FUND	125,000	125,000	125,000	125,000	125,000
	125,000	125,000	125,000	125,000	125,000

40159 - ANNUAL JOINT SEAL AND CRACK PROGRAM



Project Description

Annual street maintenance program to improve the longevity and life of City streets between major resurfacing and reconstruction projects.

Project Justification

Part of annual pavement maintenance and improvement programs that try to most effectively balance method and cost. Full street cycle plan being developed.

Changes from Prior CIP

New

Associated Master Plan

Neighborhood(s)

City-wide

Critical Milestones

	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
EXPENSE					
202 - LOCAL MOTOR FUEL TAX FUND	140,000	140,000	140,000	140,000	140,000
	140,000	140,000	140,000	140,000	140,000

40160 - ANNUAL PAVEMENT MARKING PROGRAM



Project Description

Annual Pavement Marking program for upkeep of City streets to acceptable driving standards.

Project Justification

Part of annual pavement maintenance and improvement programs that try to most effectively balance method and cost. Annual cycle being developed

Changes from Prior CIP

New

Associated Master Plan

Neighborhood(s)

City-wide

Critical Milestones

EXPENSE	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
202 - LOCAL MOTOR FUEL TAX FUND	30,000	30,000	30,000	30,000	30,000
	30,000	30,000	30,000	30,000	30,000

Transportation Project Prioritization

Prioritization Criteria

Category
MAJOR SAFETY ISSUES ROAD CLASSIFICATION PAVEMENT CONDITION
PROJECT LINKING FUNDING ASSISTANCE
BUS ROUTE AGE

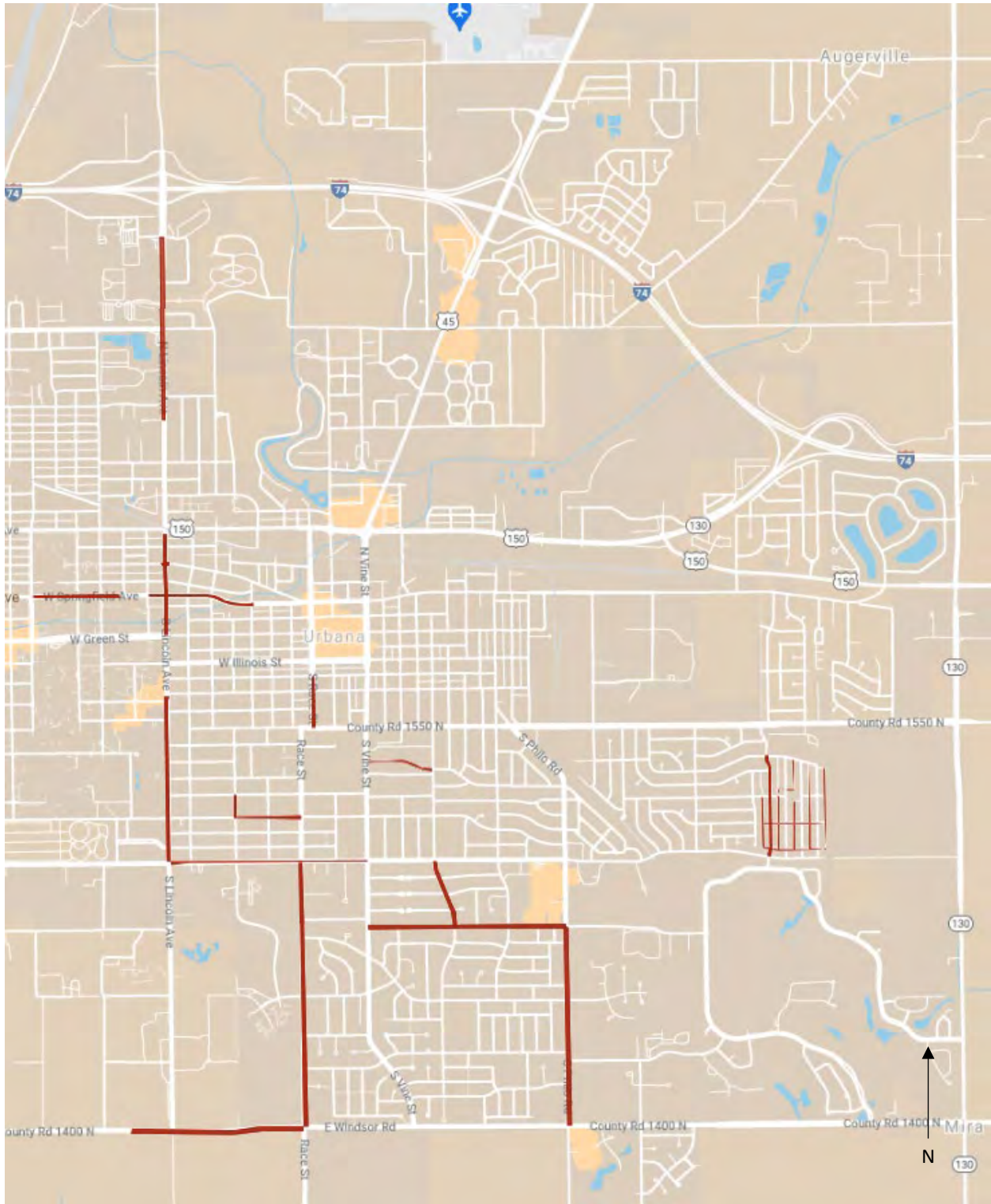
Prioritization Process

Potential Projects are generated by a combination of a review of road class, safety issues, and pavement condition from the AP-Tech PAVER information. Generally speaking, due to financial constraints, the majority of capital improvement projects end up targeting safety issues or arterial roads. Proposed projects are then evaluated on the criteria in the table to the left. The scoring is used as a guideline for inclusion into the CIP. After the initial scoring, non-routine factors such as project cost, timing, subjective analysis, maintenance schedules, cost, and available methods all enter the discussion.

Prioritization Ranking

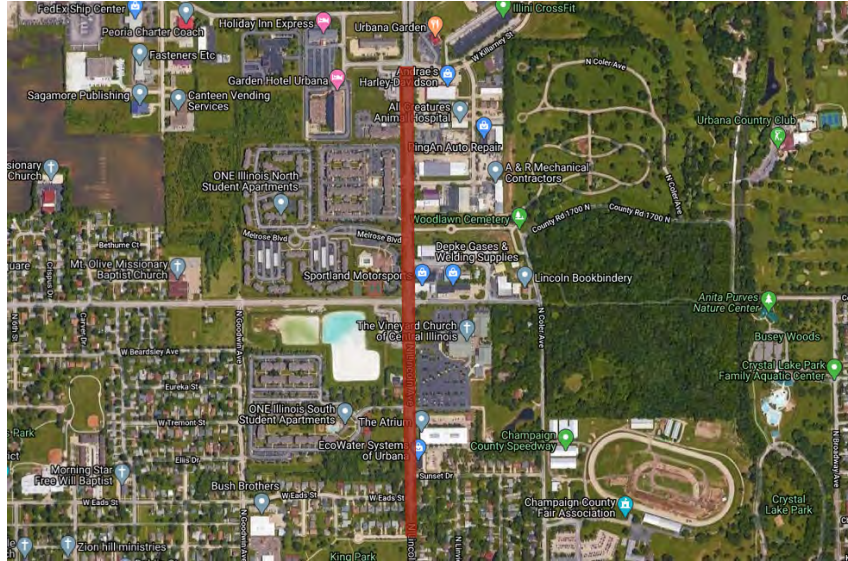
PROJECT	PRIORITY	2021 COST ESTIMATE
Projects Selected for Inclusion into CIP		
FLORIDA AVENUE: Lincoln to Vine	1	\$ 4,650,000
LINCOLN AVENUE: Florida to Green	1	\$ 6,250,000
LINCOLN AVENUE: Wascher to Killarney	2	\$ 1,755,000
LINCOLN & SPRINGFIELD: Green to University	2	\$ 2,200,000
PHILO ROAD: Windsor to Colorado	2	\$ 750,000
WINDSOR ROAD: West Boundary to Race	2	\$ 1,400,000
SPRINGFIELD AVENUE: Wright to McCullough	2	\$ 700,000
RACE STREET: Windsor to Florida	3	\$ 285,000
RACE STREET: Washington to California	3	\$ 500,000
ANDERSON: Colorado to Florida	3	\$ 300,000
COLORADO: Vine to Philo	3	\$ 550,000
SAVANNAH GREEN: Smith Road and Alleys	4	\$ 2,065,000
PENNSYLVANIA: Orchard to Race	4	\$ 350,000
FAIRLAWN: Vine to Anderson	4	\$ 250,000
Projects Not Included in CIP		
MAIN STREET: Harvey to Springfield	4	\$ 2,500,000
MYRA RIDGE: Trails to Windsor & Susan Stone	4	\$ 2,750,000
VINE: Windsor going North	4	\$ 225,000
STONE CREEK: Entire Loop	4	\$ 13,000,000
SAVANNAH GREEN: Local Streets	4	\$ 4,000,000
MUMFORD: Philo to Dead End	5	\$ 1,000,000

Major Street Project Map



Major Transportation Project

40124 - LINCOLN: WASCHER - KILLARNEY



Project Description

Safety Study and resurfacing of Lincoln from Wascher to Killarney.

Project Justification

Lincoln is a major arterial road that needs resurfacing. The safety study is needed as there are several large student apartments on the west side of the street. However, a major bus stop is on the east side of the street and many people cross the street without going to the controlled intersection at Bradley.

Changes from Prior CIP

Associated Master Plan

- Bike Masterplan
- Pedestrian Masterplan

Neighborhood(s)

North Urbana / King Park

Critical Milestones

- Engineering FY 23
- Construction FY 24

	FY23 Plan	FY24 Plan
EXPENSE		
202 - LOCAL MOTOR FUEL TAX FUND	230,000	-
203 - MOTOR FUEL TAX FUND	300,000	1,455,000
	530,000	1,455,000

40131 - FAIRLAWN: VINE - ANDERSON



Project Description

Resurfacing of Fairlawn with curb and gutter replacement.

Project Justification

The pavement condition of this street is poor. This section of Fairlawn is a bus route, which has accelerated the deterioration of the pavement.

Changes from Prior CIP

Scope reduced based off of PAVER data. Resurface only. Engineering delayed to FY 22.

Associated Master Plan

Bike Masterplan
Pedestrian Masterplan

Neighborhood(s)

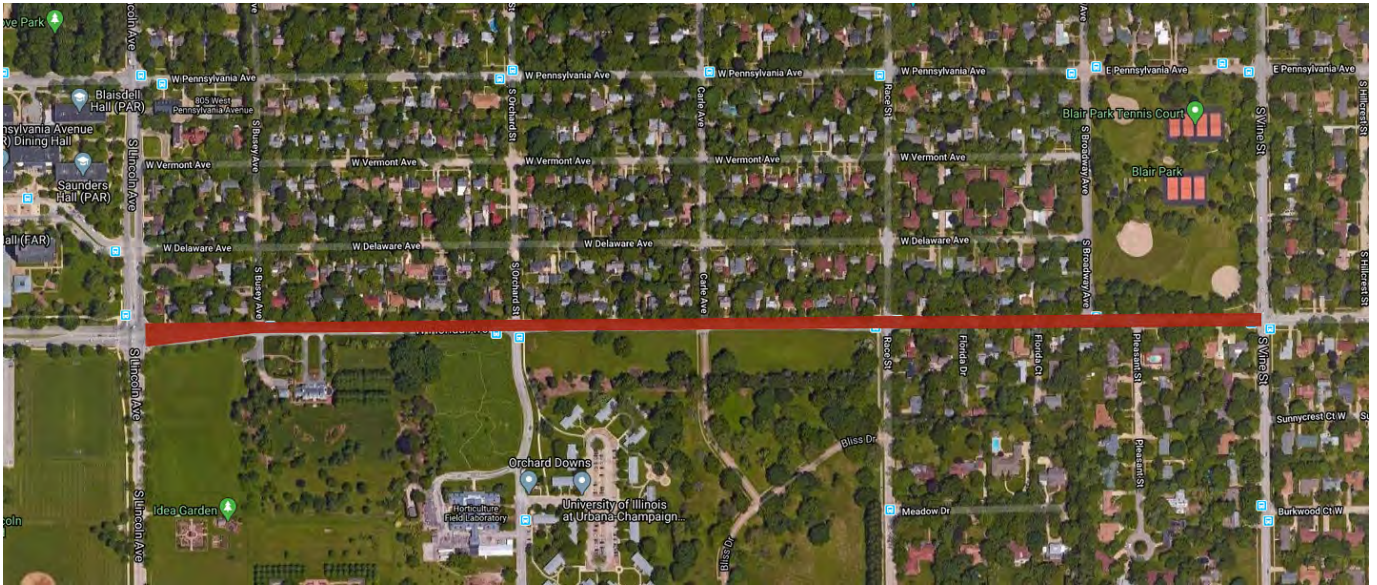
East Urbana / Fairlawn Village

Critical Milestones

Engineering FY 22
Construction FY 22

EXPENSE	FY22 Budget
202 - LOCAL MOTOR FUEL TAX FUND	250,000
	250,000

40135 - FLORIDA: W LINCOLN - E VINE



Project Description

Multi-phase project. Scoping study will be conducted by RPC using grant money. Following scoping, Phase I + Phase II Engineering by City of Urbana followed by construction consisting of resurfacing, reconstruction, paths, and signals. BOE cost of \$4.65M.

Project Justification

Florida is a minor arterial road that connects the City of Urbana with the University of Illinois and the City of Champaign. The condition of this important road is inadequate. The scoping study will help determine the scope of construction. The un-signalized intersection of Race and Florida was rated as "High" priority in SCIL report.

Changes from Prior CIP

Timeline updated with construction now included in CIP. Estimated cost revised slightly.

Associated Master Plan

Bike Masterplan
Pedestrian Masterplan
SCIL Report 2011-2015

Neighborhood(s)

West Urbana / University of Illinois

Critical Milestones

Engineering FY 23 / FY 24
Construction FY24

	FY23 Plan	FY24 Plan
REVENUE		
203 - MOTOR FUEL TAX FUND	-	3,000,000
	0	3,000,000
EXPENSE		
203 - MOTOR FUEL TAX FUND	450,000	4,200,000
	450,000	4,200,000

40149 - LINCOLN: GREEN - FLORIDA



Project Description

Safety study for the portion of Lincoln Avenue between Oregon and Florida then construction. BOE cost of \$6M.

Project Justification

This stretch of Lincoln Avenue is a high traffic area. Both in terms of vehicle traffic (15,000 ADT) and pedestrian and bicycle traffic to and from the University of Illinois. There have been severe traffic incidents in the past. The intersection of Lincoln and High Street was rated "High" priority in the SCIL report.

Changes from Prior CIP

Construction now slated for FY 26. Expanded construction to included green to Oregon.

Associated Master Plan

Bike Masterplan
Pedestrian Masterplan
SCIL Report 2011-2015

Neighborhood(s)

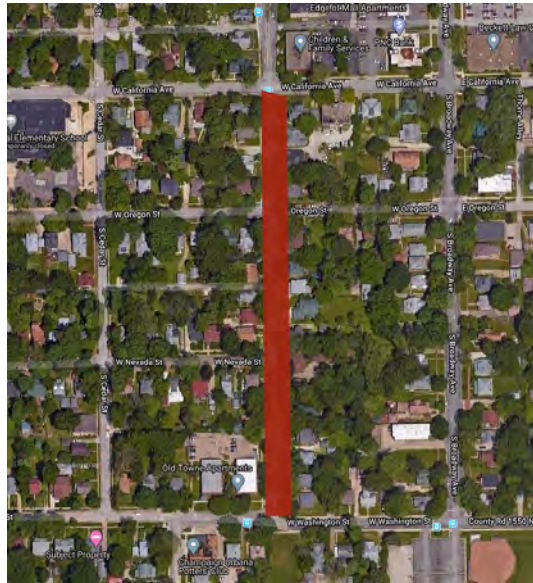
West Urbana

Critical Milestones

Safety Study FY 23
Engineering FY24/25
Construction FY26

	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
REVENUE				
203 - MOTOR FUEL TAX FUND	-	-	-	4,400,000
	0	0	0	4,400,000
EXPENSE				
203 - MOTOR FUEL TAX FUND	200,000	150,000	400,000	5,500,000
	200,000	150,000	400,000	5,500,000

40142 - RACE: WASHINGTON - CALIFORNIA



Project Description

Resurfacing with ADA ramp work.

Project Justification

This minor collector street and bus route is in serious need of repair.

Changes from Prior CIP

Minor cost revisions

Associated Master Plan

Bike Masterplan
Pedestrian Masterplan

Neighborhood(s)

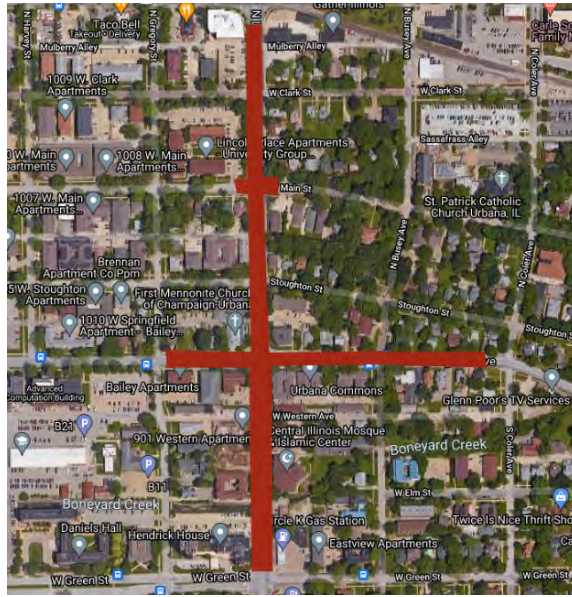
West Urbana

Critical Milestones

Engineering FY 21
Construction FY 22

	FY22 Budget
EXPENSE	
203 - MOTOR FUEL TAX FUND	470,000
	470,000

40144 - LINCOLN & SPRINGFIELD



Project Description

Resurfacing of Lincoln from University to Green and Springfield from Gregory to Coler, inclusive of Main St. intersection.

Project Justification

Priority given pavement condition and road classification. Carryover project from previous CIP.

Changes from Prior CIP

Delayed from previous years (FY 20)

Associated Master Plan

Neighborhood(s)

University of Illinois / West Urbana

Critical Milestones

Complete FY22

FY22 Budget

EXPENSE

201 - STORMWATER UTILITY FUND	-
202 - LOCAL MOTOR FUEL TAX FUND	-
203 - MOTOR FUEL TAX FUND	2,200,000
	2,200,000

40148 - SAVANNAH GREEN: ALLEYS & SMITH RD



Project Description

Design, engineering, and reconstruction of Smith Road from Rainbow to Florida and all of the alleys in the subdivision.

Project Justification

The current condition of the pavement throughout the subdivision is substandard and deteriorating further, rapidly approaching an unusable state if uncorrected. Smith is the main street in the subdivision and is a bus route. The condition and construction type of the alleys make continuing maintenance unsustainable.

Changes from Prior CIP

Timing updated. Scope reduced based on PAVER data.

Associated Master Plan

Bike Masterplan (Smith Rd)
Pedestrian Masterplan

Neighborhood(s)

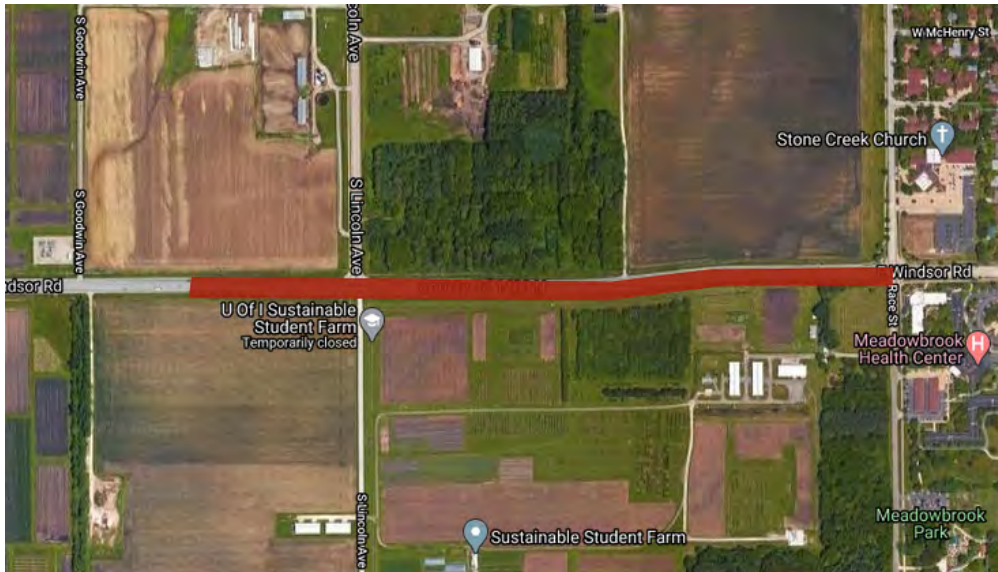
East Urbana / Savannah Green

Critical Milestones

Pavement Replacement Study in FY21
Engineering FY22
Construction of Smith FY23

EXPENSE	FY22 Budget	FY23 Plan
203 - MOTOR FUEL TAX FUND	315,000	1,700,000
	315,000	1,700,000

40150 - WINDSOR: RACE TO WEST BOUNDARY



Project Description

Reconstruction of Windsor Road from Race Street, west to Urbana City limits.

Project Justification

Windsor Road is a minor arterial route with one of the highest traffic counts in the City. The road is in poor condition now and without improvement the road will quickly deteriorate into unsafe condition.

Changes from Prior CIP

Associated Master Plan

Bike Masterplan

Neighborhood(s)

South Urbana

Critical Milestones

Engineering FY 21
Construction FY 22

	FY22 Budget
EXPENSE	
203 - MOTOR FUEL TAX FUND	1,400,000
	1,400,000

40134 - SPRINGFIELD: Wright TO MCCULLOUGH



Project Description

Resurfacing of Springfield Ave from Wright to McCullough, excluding improved and good quality segments..

Project Justification

Priority due to road class, pavement condition, and bus route status.

Changes from Prior CIP

New to CIP

Associated Master Plan

Neighborhood(s)

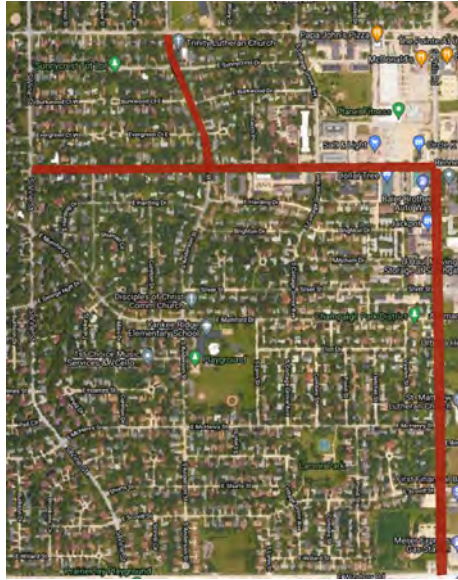
West Urbana / Downtown

Critical Milestones

Construction FY25

EXPENSE	FY25 Plan
203 - MOTOR FUEL TAX FUND	700,000
	700,000

40133 - PHILO, COLORADO, ANDERSON



Project Description

Resurfacing of Philo from Windsor to Colorado, then Colorado to Anderson and then Anderson to Florida Ave.

Project Justification

Priority based off of pavement condition, project linking, bus route status, and road class.

Changes from Prior CIP

Was previously slated for 2024 construction. Philo, Colorado, and Anderson segments all combined into single project.

Associated Master Plan

Bike Masterplan
Pedestrian Masterplan

Neighborhood(s)

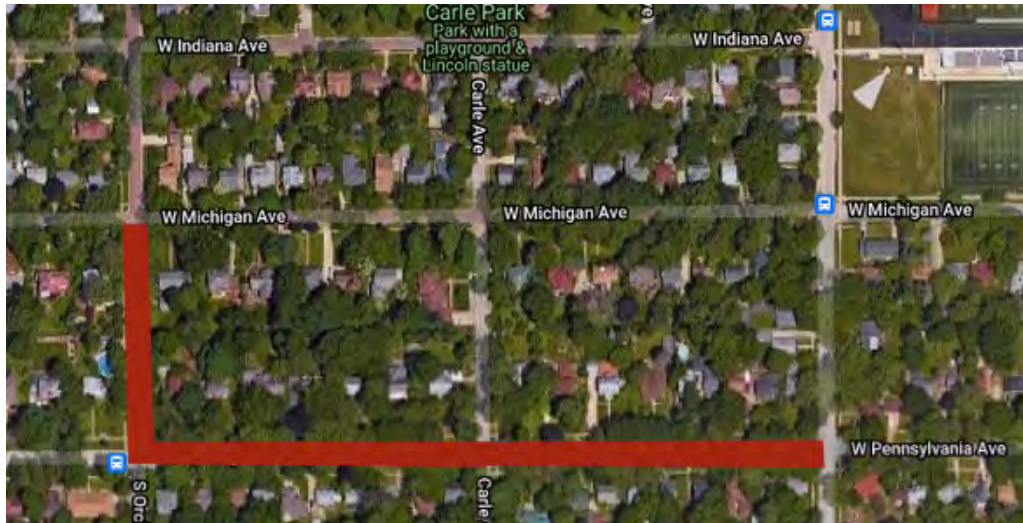
East Urbana / South Urbana

Critical Milestones

Engineering FY 22
Construction FY 23

	FY22 Budget	FY23 Plan
EXPENSE		
203 - MOTOR FUEL TAX FUND	265,000	1,335,000
	265,000	1,335,000

40125 - PENN W/ ORCHARD: RACE TO ORCHARD



Project Description

Resurfacing of Pennsylvania from Orchard to Race and Orchard from Pennsylvania to Michigan.

Project Justification

Pavement is in deteriorating condition and will need resurfacing in the near future. Safety improvements needed to address status of Pennsylvania/Orchard intersection in SCIL report not included in scope.

Changes from Prior CIP

Slated for FY26 Construction

Associated Master Plan

Bike Masterplan
Pedestrian Masterplan
SCIL 2011-2015

Neighborhood(s)

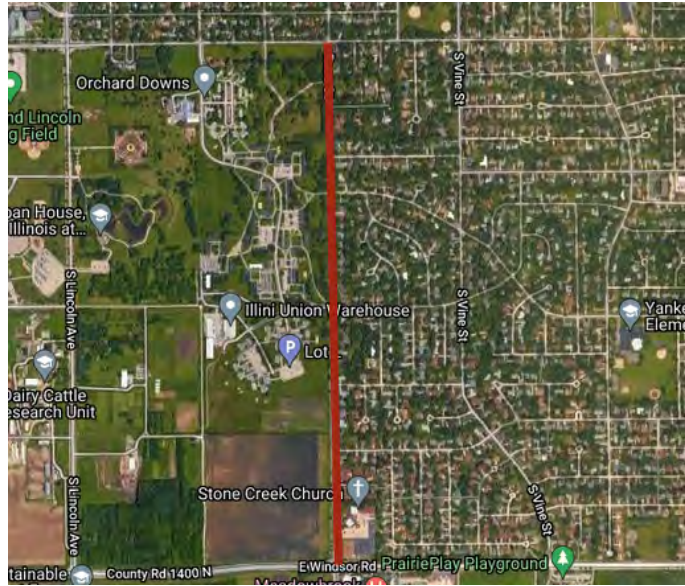
West Urbana

Critical Milestones

Engineering FY25
Construction FY26

	FY25 Plan	FY26 Plan
EXPENSE		
202 - LOCAL MOTOR FUEL TAX FUND	100,000	425,000
	100,000	425,000

40153 - RACE: WINDSOR - FLORIDA



Project Description

Concrete patching from Windsor to Florida. BOE cost estimate of \$285,000.

Project Justification

Major collector with sections of poor pavement.

Changes from Prior CIP

Moved up to FY23

Associated Master Plan

Pedestrian Masterplan
Bike Masterplan

Neighborhood(s)

South Urbana / University of Illinois

Critical Milestones

Construction FY23

EXPENSE	FY23 Plan
202 - LOCAL MOTOR FUEL TAX FUND	285,000
	285,000

SECTION 4: FACILITIES PROJECT BOOK



CAPITAL IMPROVEMENT PLAN

FISCAL YEARS 2022-2026

Facilities Project Book

FACILITIES MASTER PLAN IMPLEMENTATION

Implementation Schedule	2
ADA Life Safety Improvements	3
Facility Security Improvements	4
City Building Reconfiguration	5
New Fire Station #2	6
New Fire Station #3	7
New Storage Facility	8
Interim Arbor Relocation	9
Fleet Services Remodel/Relocate	10
Arbor LRC Facility Rehab	11
Public Works Reconstruction	12

FUTURE FACILITIES PROJECTS

Civic Center Divestment	13
City Building Addition	14
New Fire Station #1	15

OTHER FACILITIES PROJECTS

General Rehab	16
Landfill Management	17

Facilities Master Plan Implementation

Contingent Pathways

City Building
Fire Stations
Public Works

Implementation Scheduling

The implementation schedule is based off of a few key factors. First, the Facilities Master Plan shows that for the facilities below, their condition warrants immediate improvements. Second, there are a few dependent pathways that require implementing certain projects in succession. This is especially relevant for Public Works facilities improvements where people and equipment will be relocated. Third, given that debt financing is required to complete the plan, it is beneficial to complete as many projects as practical concurrently to reduce the time and cost of borrowing.

Facilities Plan Implementation Schedule

Project	FY 21 EST	FY 22 BUDGET	FY 23 PLAN	FY 24 PLAN
ADA Life Safety Implementation		\$ 75,000		
City-Wide Security Improvements		\$ 220,000		
City Building Interim Reconfiguration	\$ 142,000	\$ 1,139,000		
Station #2 Design / Build		\$ 278,000	\$ 2,240,000	
Station #3 Design / Build		\$ 274,000	\$ 2,192,000	
Citywide Storage Facility Design/Build		\$ 2,000,000		
Interim Arbor Relocation		\$ 39,000	\$ 310,000	
Fleet Service Remodel		\$ 83,000	\$ 554,000	
Arbor LRC Facility Rehab			\$ 96,000	
Public Works Reconstruction		\$ 79,000	\$ 633,000	
General Rehab	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
Total Construction Cost in CIP	\$ 125,000	\$ 4,312,000	\$ 6,150,000	\$ 125,000
Bond Revenue		\$ 3,892,000	\$ 6,025,000	
Debt Service (10-Years)			\$ 466,124	\$ 1,136,867

40803 - ADA LIFE SAFETY IMPROVEMENTS



Health/Life Safety/ADA Report Volume 1 December 17, 2019



Project Description

Remediation of high priority ADA and health/life safety concerns in City facilities. Most significantly: improvements to fire alarm system coverage at the City Building (400 South Vine) including strobes, horns, and pull stations. Relevant work also includes installation of ADA door actuators, closers, exit signage, and emergency lighting. Primarily City Building. Cost Estimate of \$75,000.

Project Justification

Priority 1 action item identified project in 2019 Phase 1- Facilities Condition Assessment. The City contracted with Bailey Edwards Architecture to perform a full analysis of City facilities. These items were identified as year 1 objectives.

Changes from Prior CIP

Completion extended to
FY22

Associated Master Plan

Facilities Master Plan

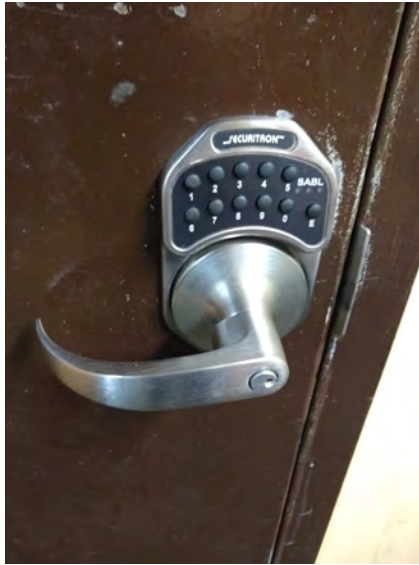
Critical Milestones

Completion FY 23

Neighborhood(s)

	FY22 Budget	FY23 Plan
EXPENSE		
200 - CAPITAL REPLACMT & IMPROV FUND		75,000
		75,000

40804 - FACILITIES SECURITY IMPROVEMENTS



Project Description

Install card readers linked with door controllers to restrict access. This system will allow for greater flexibility and control over who can access the facility, as well as monitor who has entered the facility. Estimated cost of \$220,000 (50 doors).

Project Justification

Priority 1 action item identified project in 2019 Phase 1- Facilities Condition Assessment. Key Finding #4 from 2020 Phase II- Space and Programming Needs Assessment: Limited delineation between public and private space affects both employee and citizen experience.

Changes from Prior CIP

Completion date
extended to FY 22

Associated Master Plan

Facilities Master Plan

Critical Milestones

Completed FY 23

Neighborhood(s)

EXPENSE	FY22 Budget	FY23 Plan
200 - CAPITAL REPLACMT & IMPROV FUND		220,000
		220,000

40807 - CITY BUILDING RECONFIGURATION



Project Description

Interim renovations to the City Building will include a lobby ‘welcome station’ that will serve as a first-stop for citizens seeking information or service, and to assist in wayfinding. Also included is new/improved signage and wayfinding. Also considered is a redesign of Police reporting area for situations that are sensitive in nature. Estimated Cost: Design \$42,000 / Construction: \$ 1,139,000.

Project Justification

Key Finding #4 from 2020 Phase II- Space and Programming Needs Assessment: Limited delineation between public and private space affects both employee and citizen experience. Key Finding #3 from 2020 Phase II- Space and Programming Needs Assessment: Unsafe and unenjoyable working conditions impact employee morale. Experience from COVID-19 has also demonstrated a more immediate need.

Changes from Prior CIP

Design completion extended to
FY 22 and Construction
anticipated to extend to FY 23

Associated Master Plan

Facilities Master Plan

Critical Milestones

Design FY 22
Construction FY 23

Neighborhood(s)

Downtown

EXPENSE	FY22 Budget	FY23 Plan
200 - CAPITAL REPLACMT & IMPROV FUND	142,000	1,139,000
	142,000	1,139,000

40805 - NEW FIRE STATION #2



Project Description

New fire station to be constructed adjacent to existing station. Scoping needed to determine adequacy of existing site. New station will ideally be a 3-bay drive-through Estimated Cost: Design- \$278,000 / Construction: \$2,240,000 based on replacement in-kind. A larger station anticipated to increase costs post scoping.

Project Justification

Identified as at-risk prioritized facility in 2019 Phase 1- Facilities Condition Assessment. This facility is rated with a Facilities Condition Index of poor. Key Finding #3 from 2020 Phase II- Space and Programming Needs Assessment: Unsafe and unenjoyable working conditions impact employee morale.

Changes from Prior CIP

Associated Master Plan

Facilities Master Plan

Critical Milestones

Scope/Design FY 22

Construction FY 23

Neighborhood(s)

Philo Road / Southeast
Urbana

EXPENSE	FY22 Budget	FY23 Plan
200 - CAPITAL REPLACMT & IMPROV FUND	278,000	2,240,000
	278,000	2,240,000

40806 - NEW FIRE STATION #3



Project Description

Land adjacent to building previously acquired. New fire station to be constructed. Scoping needed to determine adequacy of existing site. New station will ideally be a 3-bay drive-through Estimated Cost: Design- \$274,000 / Construction: \$2,192,000 based on replacement in-kind. A larger station anticipated to increase costs post scoping.

Project Justification

Identified as at-risk prioritized facility in 2019 Phase 1- Facilities Condition Assessment. This facility is rated with a Facilities Condition Index of poor and trending to a recommendation of divestment. Key Finding #3 from 2020 Phase II- Space and Programming Needs Assessment: Unsafe and unenjoyable working conditions impact employee morale.

Changes from Prior CIP

Associated Master Plan

Facilities Master Plan

Critical Milestones

Scoping/Design FY 22

Construction FY23

Neighborhood(s)

North Urbana

	FY22 Budget	FY23 Plan
EXPENSE		
200 - CAPITAL REPLACMT & IMPROV FUND	274,000	2,192,000
	274,000	2,192,000

40808 - NEW STORAGE FACILITY



Project Description

Would be located at existing Public Works site. Construction of a facility with dedicated space for multiple City departments will act as a centralized, organized space for storage of vehicle fleets, trailers, and related equipment. Also incorporated in the concept is an area for long-term document and file storage. This facility will be secured with restricted access. Estimated Cost \$2,000,000.

Project Justification

Key Finding #5 from 2020 Phase II- Space and Programming Needs Assessment: Poorly maintained storage causes the work environment to feel crowded. This will allow for the repurposing of the existing storage facility (704 Glover) for City Fleet maintenance.

Changes from Prior CIP

Associated Master Plan

Facilities Master Plan

Critical Milestones

Design/Build FY 22

Neighborhood(s)

East Urbana

	FY22 Budget
EXPENSE	
200 - CAPITAL REPLACMT & IMPROV FUND	2,000,000
	2,000,000

40809 - INTERIM ARBOR RELOCATION



Project Description

To eliminate the physical disconnect between Arbor Division employees and the rest of Public Works, Arbor Division locker rooms and office facilities will move to the Public Works Building. Arbor Division vehicles will move to the future fleet maintenance and storage facilities. Estimated Cost: Design \$39,000/Construction: \$ 310,000.

Project Justification

The existing Arbor Division shop was identified as at-risk prioritized facility in 2019 Phase 1- Facilities Condition Assessment. This facility is rated with a Facilities Condition Index of poor. Key Finding #3 from 2020 Phase II- Space and Programming Needs Assessment: Unsafe and unenjoyable working conditions impact employee morale. Key Finding #2 from 2020 Phase II- Space and Programming Needs Assessment: Current facilities hinder collaboration efforts.

Changes from Prior CIP

Associated Master Plan

Facilities Master Plan

Critical Milestones

Neighborhood(s)

Dependent on STORAGE FACILITY
Design FY 22
Construction FY 23

EXPENSE	FY22 Budget	FY23 Plan
200 - CAPITAL REPLACMT & IMPROV FUND	39,000	310,000
	39,000	310,000

40810 - FLEET SERVICES REMODEL/RELOCATE



Project Description

Renovation of existing storage facility to accommodate relocation of fleet maintenance activities and storage from existing area in 706 Glover. Vehicle maintenance area is currently undersized and inefficient. Estimated Cost: Design \$83,000/Construction: \$554,000.

Project Justification

Key Finding #3 from 2020 Phase II- Space and Programming Needs Assessment: Unsafe and unenjoyable working conditions impact employee morale. Key Finding #5 from 2020 Phase II- Space and Programming Needs Assessment: Poorly maintained storage causes the work environment to feel crowded. Key Finding #1 from 2020 Phase II- Space and Programming Needs Assessment: Distractions detract from time spent on defined responsibilities.

Changes from Prior CIP

Associated Master Plan

Facilities Master Plan

Critical Milestones

Dependent on STORAGE FACILITY
Design FY 22
Construction FY 23

Neighborhood(s)

East Urbana

	FY22 Budget	FY23 Plan
EXPENSE		
200 - CAPITAL REPLACMT & IMPROV FUND	83,000	554,000
	83,000	554,000

40811 - ARBOR LRC FACILITY REHAB



Project Description

Considering relocation of Arbor and Landscaping section crews to renovated Public Works space. Existing space will be rehabilitated for Landscape Recycling Center staff and equipment to remain on site. Estimated Cost: \$96,000.

Project Justification

Identified as at-risk prioritized facility in 2019 Phase 1- Facilities Condition Assessment. This facility is rated with a Facilities Condition Index of poor. Key Finding #3 from 2020 Phase II- Space and Programming Needs Assessment: Unsafe and unenjoyable working conditions impact employee morale.

Changes from Prior CIP

Associated Master Plan

Facilities Master Plan

Critical Milestones

Neighborhood(s)

Dependent on ARBOR REHAB/RELOCATE Construction FY 23

	FY22 Budget	FY23 Plan
EXPENSE		
200 - CAPITAL REPLACMT & IMPROV FUND		96,000
		96,000

40812 - PUBLIC WORKS RECONSTRUCTION



Project Description

The flexible floorplate of the Public Works Building would allow for renovation of the building to meet updated workplace standards. Assume furniture, fixtures, and equipment improvements to Public Works Building. Estimated Cost: Design \$79,000/Construction: \$663,000.

Project Justification

Key Finding #3 from 2020 Phase II- Space and Programming Needs Assessment: Unsafe and unenjoyable working conditions impact employee morale. Key Finding #2 from 2020 Phase II- Space and Programming Needs Assessment: Current facilities hinder collaboration efforts. Key Finding #5 from 2020 Phase II- Space and Programming Needs Assessment: Poorly maintained storage causes the work environment to feel crowded.

Changes from Prior CIP

Associated Master Plan

Facilities Master Plan

Critical Milestones

Neighborhood(s)

East Urbana

Design FY 22

Construction FY 23

EXPENSE	FY22 Budget	FY23 Plan
200 - CAPITAL REPLACMT & IMPROV FUND	79,000	663,000
	79,000	663,000

40813 - CIVIC CENTER DIVESTMENT



Project Description

Pursue divestment of site from City ownership. Considerations for possible public/private redevelopment in conjunction with one or more sites. No cost estimate at this time.

Project Justification

Identified as at-risk prioritized facility in 2019 Phase 1- Facilities Condition Assessment. This facility is rated with a Facilities Condition Index of critical and trending to divestment. Cost of repairs and upgrades needed to bring the Civic Center up to date greatly exceeds the current replacement value.

Changes from Prior CIP

To be incorporated in CIP as funds and project priorities allow

Associated Master Plan

Facilities Master Plan
Downtown Plan
Central TIF Plan

Neighborhood(s)

Downtown

Critical Milestones

TBD

40814 - CITY BUILDING ADDITION



Project Description

Major renovations within the City Building will reprogram entire space and enable most staff workspaces to be on floors 1-2, storage spaces will be relocated to the basement, departments will be co-located between 2 floors with less subdivided spaces (e.g. open workspaces, fewer private offices, shared amenity spaces). Project considers a new building addition to accommodate new public service and City Council chambers space built adjacent to the existing Council Chambers space. Estimated Cost: Design \$2,202,000/Construction: \$ 17,620,000.

Project Justification

Recommendation in alignment with Key Findings #1-#5 from 2020 Phase II- Space and Programming Needs Assessment.

Changes from Prior CIP

To be incorporated in CIP as funds and project priorities allow

Associated Master Plan

Facilities Master Plan

Neighborhood(s)

Downtown

Critical Milestones

TBD - dependent on debt service schedule from other facilities projects

40815 - NEW FIRE STATION #1



Project Description

Fire Station #1 potentially relocates out of the City Building to a new TBD location. The scope of the City Building Major Reconstruction + Building Addition would be altered such that out of City Building, a new addition to the City Building could be added to the east (rear) of current Fire Station #1 structure. In this scenario, City Council Chambers could relocate into new addition space, and space formerly occupied by Council Chambers could be renovated into a city-wide training and support space. Estimated Cost: Design \$1,275,000/Construction: \$ 1,913,000.

Project Justification

Key Finding #3 from 2020 Phase II- Space and Programming Needs Assessment: Unsafe and unenjoyable working conditions impact employee morale. Key Finding #5 from 2020 Phase II- Space and Programming Needs Assessment: Poorly maintained storage causes the work environment to feel crowded. This project is to be considered as an option in the City Building Major Reconstruction+ Building addition project planning and is dependent upon funding strategies. In the absence of this project, facilities concerns will be prioritized by the Facilities Conditions Assessment recommendation and funded through General Facilities Rehabilitation project.

Changes from Prior CIP

To be incorporated in CIP as funds and project priorities allow

Associated Master Plan

Facilities Master Plan

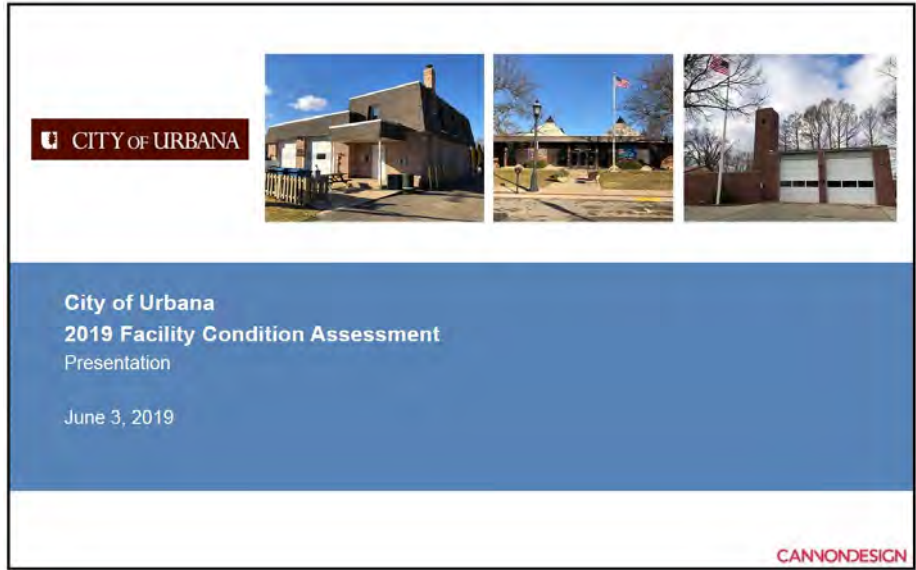
Neighborhood(s)

Downtown

Critical Milestones

TBD - Dependent on debt service schedule of other facilities projects

40802 - GENERAL REHAB



Project Description

Discretionary funding for small/medium scope facilities projects.

Project Justification

Projects to be identified and prioritized from findings of 2019 Phase 1- Facilities Condition Assessment. Funds will be focused to areas identified not to receive rehabilitation in near term capital improvement planning and for emergency facility conditions.

Changes from Prior CIP

New project, but there have been funds for general facility improvements in past years. Past amounts were more limited.

Associated Master Plan

Facilities Master Plan

Neighborhood(s)

Critical Milestones

Annual Expense

EXPENSE	Annual Expense
200 - CAPITAL REPLACMT & IMPROV FUND	125,000
	125,000

40908 - LANDFILL MANAGEMENT



Project Description

Miscellaneous improvements to Landfill site.

Project Justification

Required to maintain integrity of closed landfill to ensure long-term environmental risk mitigation.

Changes from Prior CIP

New

Associated Master Plan

Neighborhood(s)

LRC / Northeast Urbana

Critical Milestones

EXPENSE	FY22 Budget	FY23 Plan
200 - CAPITAL REPLACMT & IMPROV FUND	50,000	100,000
	50,000	100,000

SECTION 5: SEWER SYSTEM PROJECT BOOK



CAPITAL IMPROVEMENT PLAN

FISCAL YEARS 2022-2026

Sewer Systems Project Book

STORMWATER SYSTEMS

Storm Sewer Improvements	.....	.2
Storm Sewer Cleaning and Televising	.....	.3
Boneyard Creek Maintenance	.....	.4
Master Planning	.....	.5

SANITARY SEWER SYSTEMS

Sanitary Sewer Improvements	.....	.6
Sanitary Sewer Televising	.....	.7
Sanitary Sewer Lining	.....	.8
Sanitary Sewer Reconstruction	.....	.9
Interceptor Extension	.....	.10
Carle Sanitary Sewer	.....	.11

40400 - STORMWATER SEWER IMPROVEMENT



Project Description

Systematic improvements to stormwater infrastructure.

Project Justification

Necessary to maintain stormwater standards. A more robust systematic plan is expected to be developed based on the Stormwater Master Plan that moves City away from reactive improvements.

Changes from Prior CIP

Budget reduced based on current capacity

Associated Master Plan

Stormwater Master Plan

Neighborhood(s)

City-wide

Critical Milestones

EXPENSE	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
201 - STORMWATER UTILITY FUND	200,000	200,000	200,000	200,000	200,000
	200,000	200,000	200,000	200,000	200,000

40402 - STORM SEWER CLEANING & TELEVISIONING



Project Description

Routine maintenance of stormwater system with a target of cleaning and televising 10% of the system annually.

Project Justification

Necessary for routine maintenance and for future capital improvement planning. Annual schedule and plan in development for FY 22.

Changes from Prior CIP

Annual funding between years leveled out.

Associated Master Plan

Stormwater Master Plan

Neighborhood(s)

City-wide

Critical Milestones

EXPENSE	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
201 - STORMWATER UTILITY FUND	380,000	380,000	380,000	380,000	380,000
	380,000	380,000	380,000	380,000	380,000

40405 - BONEYARD CREEK MAINTENANCE



Project Description

Maintenance of the Boneyard Creek and Boneyard Creek Crossing Park.

Project Justification

Necessary to maintain functionality.

Changes from Prior CIP

Associated Master Plan

Stormwater Master Plan

Neighborhood(s)

Downtown

Critical Milestones

EXPENSE	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
201 - STORMWATER UTILITY FUND	100,000	52,531	53,845	55,192	55,192
	100,000	52,531	53,845	55,192	55,192

40412 - STORMWATER MANAGEMENT PLANNING



Project Description

Stormwater Master Plan and other stormwater planning efforts.

Project Justification

Required for sustainable asset management.

Changes from Prior CIP

New expenses in FY 22 and FY 23 for GIS planning activities.

Associated Master Plan

Stormwater Master Plan

Neighborhood(s)

City-wide

Critical Milestones

	FY22 Budget	FY23 Plan
EXPENSE		
201 - STORMWATER UTILITY FUND	100,000	100,000
	100,000	100,000

40500 - SANITARY SEWER IMPROVEMENT



Project Description

Improvements to sanitary sewer infrastructure. Currently reactive.

Project Justification

Necessary to maintain sanitary sewer system.

Changes from Prior CIP

Reconstruction, televising and lining delineated into separate projects.

Associated Master Plan

Neighborhood(s)

City-wide

Critical Milestones

EXPENSE	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
204 - SANITARY SEWER FUND	200,000	200,000	200,000	200,000	200,000
	200,000	200,000	200,000	200,000	200,000

40510 - SANITARY SEWER CLEANING AND TELEVISIONING



Project Description

Annual cleaning and televising of sanitary sewers. Target of 10% of system annually.

Project Justification

Necessary for routine maintenance and for future capital improvement planning. Annual schedule and plan in development for FY 22.

Changes from Prior CIP

New

Associated Master Plan

Neighborhood(s)

City-wide

Critical Milestones

EXPENSE	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
204 - SANITARY SEWER FUND	130,000	130,000	130,000	130,000	130,000
	130,000	130,000	130,000	130,000	130,000

40511 - SANITARY SEWER LINING



Project Description

Annual sewer lining program.

Project Justification

Necessary for maintaining sewers. A more systematic plan is in development for FY 22.

Changes from Prior CIP

New

Associated Master Plan

Neighborhood(s)

City-wide

Critical Milestones

Project to begin in FY23

	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
EXPENSE				
204 - SANITARY SEWER FUND	200,000	200,000	200,000	200,000
	200,000	200,000	200,000	200,000

40512 - SANITARY SEWER RECONSTRUCTION



Project Description

Reconstruction of sanitary sewers.

Project Justification

Reconstruction of critically failed sanitary sewers. A more detailed plan in development for FY 22.

Changes from Prior CIP

New

Associated Master Plan

Neighborhood(s)

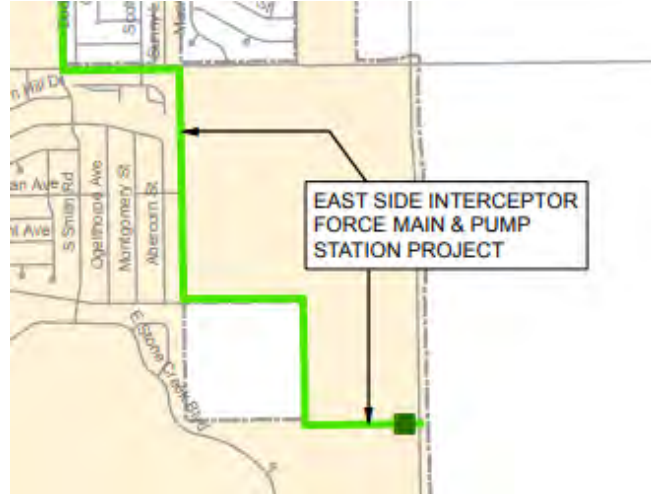
City-wide

Critical Milestones

Begin developing replacement plan in FY 22

EXPENSE	FY22 Budget	FY23 Plan	FY25 Plan	FY26 Plan
204 - SANITARY SEWER FUND	25,000	125,000	400,000	400,000
	25,000	125,000	400,000	400,000

40508 - INTERCEPTOR SEWER EXTENSION



Project Description

Interceptor force main and pump station project. Scope of project reflects incremental cost to expand existing capacity of pump station

Project Justification

Anticipation of future growth in east Urbana. UCSD is managing project and City is planning on providing assistance to plan for increased capacity to support future growth in east Urbana.

Associated Master Plan

Changes from Prior CIP

Critical Milestones

Planned for FY 24

Neighborhood(s)

East Urbana

EXPENSE	FY24 Plan
204 - SANITARY SEWER FUND	1,200,000
	1,200,000

40513 - CARLE SANITARY SEWER



Project Description

Evaluation of alternatives and anticipated construction costs to relocate existing public sanitary sewer currently running beneath Carle Foundation Hospital.

Project Justification

Mitigation of a potential sewer failure in a location that would result in major consequences.

Changes from Prior CIP

New

Associated Master Plan

Neighborhood(s)

Critical Milestones

Medical Campus

EXPENSE

FY22 Budget	FY23 Plan
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	FY22 Budget	FY23 Plan
204 - SANITARY SEWER FUND	200,000	500,000
	200,000	500,000

SECTION 6: FUND REPORTS

200 - CAPITAL REPLACMT & IMPROV FUND PLAN

	FY21 Est.	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
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PROJECT	DESCRIPTION						
40102 - MCORE	LAWC	1,000,000	-	-	-	-	-
40104, 40111 MISC GRANT/REIMB.	AIRPORT ROAD WEST EDP FUND	82,593	-	-	-	-	-
40141 - TRAFFIC SIGNAL MAINTENANCE	STATE REIMB. - LT & SIGN	15,000	15,000	15,000	15,000	15,000	15,000
40800 - CITY FACILITY IMPROVEMENT	BONDS	-	3,892,000	6,150,000	-	-	-
49200 - FUND 200 - CIP	INTEREST INCOME	51,500	28,413	29,452	33,015	25,323	19,864
	TRANSFERS FROM GENERAL FUND	839,318	2,833,434	841,279	858,105	875,268	875,268
TOTAL REVENUE		1,988,411	6,768,847	7,035,731	906,120	915,591	910,132

PROJECT	DESCRIPTION						
40102 - MCORE	PLAN & CONSTRUCTION	1,237,019	-	-	-	-	-
40143 - VINE & WASHINGTON	CONSUTRCTION	861,813	-	-	-	-	-
40146 - WARNING SIRENS UPGRADE	UPGRADE	2,312	-	-	-	-	-
40602 - CAMPUS LIGHTING IMPROVEMENT	PLAN & CONSTRUCTION	800,000	-	-	-	-	-
40117 - PEDESTRIAN MASTER PLAN	PLANNING	3,605	-	-	-	-	-
40801 - CITY FACILITY PLANNING	CITY FACILITY PLANNING	129,877	-	-	-	-	-
40816 - COVID-HVAC	COVID HVAC	30,708	-	-	-	-	-
40121 - UNIVERSITY: WRIGHT - MAPLE	UNIVERSITY AVE CONSTRUCTION	210,000	-	-	-	-	-
40101 - SIDEWALK MAINTENANCE	SIDEWALK MAINTENANCE	100,000	100,000	100,000	100,000	100,000	100,000
40112 - PAVEMENT MAINTENANCE	PAVEMENT MANAGEMENT SYSTEM	8,885	20,000	20,000	200,000	20,000	20,000
	PAVEMENT MAINTENANCE CONSTRUCTION	554,163	-	-	-	-	-
40113 - BIKE LANES & SIDEPATHS	CONSTRUCTION	20,000	20,000	20,000	20,000	20,000	20,000
40120 - MISC. TRAFFIC STUDIES	MISC TRAFFIC STUDIES PLANNING	10,000	10,000	10,000	10,000	10,000	10,000
40141 - TRAFFIC SIGNAL MAINTENANCE	TRAFFIC SIGNAL MAINTENANCE	10,000	10,000	-	-	-	-
40162 - EQUITY AND QUALITY OF LIFE PROJECTS	EQL CONSTRUCTION	-	2,000,000	-	-	-	-
40604 - ANNUAL SIGNAL CR&I	SIGNAL PLANNING	-	75,000	-	-	-	-
	ANNUAL SIGNAL MAINTENANCE	-	-	250,000	-	250,000	-
40606 - ANNUAL STREET LIGHTING CR&I	LIGHTING MAINTENANCE PLAN	-	50,000	-	-	-	-
	ANNUAL LIGHTING IMPROVEMENTS	-	-	750,000	-	-	-
40800 - CITY FACILITY IMPROVEMENT	CITY BUILDING IMPROVEMENTS	267,000	4,312,000	6,150,000	125,000	125,000	125,000
	DEBT SERVICE PAYMENTS	-	-	355,423	912,794	931,050	949,670
	INTEREST	-	-	77,840	191,231	172,975	154,354
40908 - LANDFILL MANAGEMENT	LANDFILL MANAGEMENT	-	50,000	100,000	-	-	-
TOTAL EXPENSE		4,245,382	6,647,000	7,833,263	1,559,025	1,629,025	1,379,024

Net Revenue / (Expense)	(2,256,971)	121,847	(797,532)	(652,905)	(713,434)	(468,892)
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Beginning Fund Balance	4,371,504	2,114,533	2,236,380	1,438,848	785,943	72,509
Ending Fund Balance	2,114,533	2,236,380	1,438,848	785,943	72,509	(396,383)

202 - LOCAL MOTOR FUEL TAX FUND PLAN

FY21	FY22	FY23	FY24	FY25	FY26
Est.	Budget	Plan	Plan	Plan	Plan

PROJECT	DESCRIPTION						
49202 - FUND 202 - CIP	LOCAL MFT	681,667	793,485	873,873	873,873	873,873	873,873
	INVESTMENT INCOME	15,000	10,982	4,915	778	237	155
TOTAL REVENUE		696,667	804,467	878,788	874,651	874,110	874,028

PROJECT	DESCRIPTION						
40107 - WINDSOR ROAD	WINDSOR ROAD LEGAL FEES	95,927	-	-	-	-	-
	WINDSOR ROAD CONSTRUCTION	410,783	-	-	-	-	-
40144 - LINCOLN & SPRINGFIELD	STREET RESURFACE PLANNING LMFT	9,781	-	-	-	-	-
40108 - ANNUAL STREET MAINTENANCE	LMFT ANNUAL STREET MAINTENANCE	180,000	250,000	250,000	250,000	250,000	250,000
40114 - OIL & CHIP, SEAL, PRESERVATION	LMFT O&C, SEAL, PRESERVATION	-	125,000	125,000	125,000	125,000	125,000
40159 - ANNUAL JOINT SEAL AND CRACK PROGRAM	JOINT SEAL AND CRACK PROGRAM	-	140,000	140,000	140,000	140,000	140,000
40160 - ANNUAL PAVEMENT MARKING PROGRAM	PAVEMENT MARKING	-	30,000	30,000	30,000	30,000	30,000
40131 - FAIRLAWN: VINE - ANDERSON	PLANNING	-	50,000	-	-	-	-
	CONSTRUCTION	-	200,000	-	-	-	-
40153 - RACE: WINDSOR - FLORIDA	RACE CONSTRUCTION	-	-	285,000	-	-	-
40125 - PENN W/ ORCHARD: RACE TO ORCHARD	STREET RESURFACE PLANNING	-	-	-	-	100,000	-
	STREET RESURFACE CONSTRUCTION	-	-	-	-	-	425,000
49202 - FUND 202 - CIP	WINDSOR RD RECON - PRINCIPAL	280,000	285,000	295,000	300,000	-	-
	WINDSOR RD RECON - INTEREST	23,433	17,568	10,966	3,750	-	-
TOTAL EXPENSE		999,924	1,097,568	1,365,966	848,750	645,000	970,000

Net Revenue / (Expense)	(303,257)	(293,101)	(487,178)	25,901	229,110	(95,972)
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Beginning Fund Balance	1,095,556	792,299	499,198	12,020	37,921	267,031
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Ending Fund Balance	792,299	499,198	12,020	37,921	267,031	171,059
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203 - MOTOR FUEL TAX FUND PLAN

		FY21 Est.	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
PROJECT	DESCRIPTION						
40135 - FLORIDA: W LINCOLN - E VINE	PROJECTED STP-U FUNDS	-	-	-	3,000,000	-	-
40149 - LINCOLN: OREGON - FLORIDA	STBG/STPU CUAATS 80/20	-	-	-	-	-	4,400,000
49203 - FUND 203 - CIP	STATE MFT ALLOTMENT	873,504	944,625	1,040,325	1,040,325	1,040,325	1,040,325
	STATE MFT TRF	629,655	678,563	678,563	678,563	678,563	678,563
	REBUILD ILLINOIS	906,179	906,179	453,090	-	-	-
	2.5% INTEREST REVENUE	60,000	61,800	63,654	65,564	67,531	69,557
TOTAL REVENUE		2,469,338	2,591,167	2,235,632	4,784,452	1,786,419	6,188,445

PROJECT	DESCRIPTION						
40102 - MCORE	CONSTRUCTION - MFT	3,631,020	-	-	-	-	-
40144 - LINCOLN & SPRINGFIELD	STREET RESURFACE PLANNING SMFT	-	200,000	-	-	-	-
	STREET RESURFACE CONSTR SMFT	-	2,000,000	-	-	-	-
40142 - RACE: WASHINGTON - CALIFORNIA	CORRIDOR STUDY	30,000	80,000	-	-	-	-
	STREET RESURFACE CONSTRUCTION	-	390,000	-	-	-	-
40148 - SAVANNAH GREEN: ALLEYS & SMITH RD	PLANNING	50,000	315,000	-	-	-	-
	CONSTRUCTION	-	-	1,700,000	-	-	-
40150 - WINDSOR: RACE TO WEST BOUNDARY	PLANNING	25,000	240,000	-	-	-	-
	CONSTRUCTION	-	1,160,000	-	-	-	-
40133 - PHILO, COLORADO, ANDERSON RESURFACE	STREET RESURFACE PLANNING	-	265,000	-	-	-	-
	STREET RESURFACE CONSTRUCTION	-	-	1,335,000	-	-	-
40124 - LINCOLN: WASCHER - KILLARNEY	STREET RESURF PLANNING SMFT	-	-	300,000	-	-	-
	STREET RESURF CONSTR SMFT	-	-	-	1,455,000	-	-
40135 - FLORIDA: W LINCOLN - E VINE	STREET RESURFACE PLANNING	-	-	450,000	450,000	-	-
	STREET RESURFACE CONSTRUCTION	-	-	-	3,750,000	-	-
40134 - SPRINGFIELD: WRIGHT TO MCCULLOUGH	SPRINGFIELD: PLANNING	-	-	-	-	120,000	-
	RECON - SPRINGFIELD	-	-	-	-	580,000	-
40149 - LINCOLN: OREGON - FLORIDA	PLANNING	-	-	200,000	150,000	400,000	-
	CONSTRUCTION	-	-	-	-	-	5,500,000
TOTAL EXPENSE		3,736,020	4,650,000	3,985,000	5,805,000	1,100,000	5,500,000

	Net Revenue / (Expense)	(1,266,682)	(2,058,833)	(1,749,368)	(1,020,548)	686,419	688,445
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	Beginning Fund Balance	5,427,230	4,160,548	2,101,715	352,347	(668,201)	18,218
	Ending Fund Balance	4,160,548	2,101,715	352,347	(668,201)	18,218	706,663

201 - STORMWATER UTILITY FUND PLAN

		FY21 Est.	FY22 Budget	FY23 Plan	FY24 Plan	FY25 Plan	FY26 Plan
PROJECT	DESCRIPTION						
49201 - FUND 201 - CIP	STORMWATER UTILITY FEE	1,601,291	1,695,512	1,744,682	1,795,278	1,847,341	1,900,914
	INTEREST REVENUE	8,952	9,175	9,405	9,640	9,881	10,128
	BONEYARD CREEK MAINT REIMB	25,583	17,500	17,750	18,000	18,254	18,512
TOTAL REVENUE		1,635,826	1,722,187	1,771,837	1,822,918	1,875,476	1,929,554
PROJECT	DESCRIPTION						
40102 - M-CORE	CONSTRUCTION - STORM SEWER	279,586	-	-	-	-	-
40400 - STORMWATER SEWER IMPROVEMENT	STORMWATER IMPROVEMENTS	250,000	200,000	200,000	200,000	200,000	200,000
40402 - STORM SEWER CLEANING & TELEVISIONING	STORM CLEANING & TELEVISIONING	-	380,000	380,000	380,000	380,000	380,000
40412 - STORMWATER MANAGEMENT PLANNING	STORMWATER MANAGEMENT PLANNING	119,959	100,000	100,000	-	-	-
40401 - BRIDGE MAINTENANCE PROJECT	BRIDGE MAINTENANCE	22,500	22,500	22,500	22,500	22,500	22,500
40405 - BONEYARD CREEK MAINTENANCE	BONEYARD CREEK MAINTENANCE	50,000	100,000	52,531	53,845	55,192	55,192
40404 - STREAM AND RAIN GAUGE MONITORING	STREAM AND RAIN GAUGE MONITOR.	18,750	18,750	18,750	18,750	18,750	18,750
40406 - MOSQUITO SURVEILLIANCE/ABATEMENT	MOSQUITO PROGRAM	26,266	26,922	27,595	28,285	28,992	28,992
40407 - DRAINAGE DISTRICT PAYMENTS	DRAINAGE DISTRICT PAYMENTS	13,545	13,545	13,545	13,545	13,545	13,454
40408 - MS4 NPDES PERMIT FEE	MS4 NPDES PERMIT FEE	1,000	1,000	1,000	1,000	1,000	1,000
40409 - PUBLIC EDUCATION & OUTREACH	STORMWATER PUBLIC EDU OUTREACH	2,000	2,500	2,500	2,500	2,500	2,500
40410 - STORMWATER INCENTIVE PROGRAM	STORMWATER INCENTIVE PROGRAM	5,000	5,000	5,000	5,000	5,000	5,000
40411 - HAZARD. SUMP PUMP DISCH. ABATEMENT	HAZARDOUS SUMP PUMP	10,000	10,000	10,000	10,000	10,000	10,000
40413 - SUF BILLING COSTS	SUF BILLING COSTS	49,432	50,865	52,340	53,858	55,420	57,027
49201 - FUND 201 - CIP	TECHNOLOGY SERVICES	5,100	5,100	5,100	5,100	5,100	5,100
	TRAINING - GIS EROSION CONTROL	3,500	3,500	3,500	3,500	3,500	3,500
	CREDIT CARD FEES	200	200	200	200	200	200
	TRANSFER TO GENERAL FUND	602,417	617,477	617,477	617,477	617,477	617,477
	TRANSFER TO VERF	40,926	357,401	86,074	87,364	88,674	90,004
TOTAL EXPENSE		1,500,181	1,914,760	1,555,075	1,459,242	1,461,013	1,465,694
Net Revenue / (Expense)		135,645	(192,573)	216,762	363,676	414,463	463,860
Beginning Fund Balance		1,606,004	1,741,650	1,549,077	1,765,839	2,129,515	2,543,978
Ending Fund Balance		1,741,650	1,549,077	1,765,839	2,129,515	2,543,978	3,007,838

204 - SANITARY SEWER FUND PLAN

	FY21	FY22	FY23	FY24	FY25	FY26
	Est.	Budget	Plan	Plan	Plan	Plan

PROJECT	DESCRIPTION						
49204 - FUND 204 - CIP	SEWER BENEFIT FEE	1,519,745	1,563,818	1,609,169	1,655,835	1,703,854	1,753,266
	INVESTMENT INCOME	10,792	10,888	10,966	9,054	1,936	1,225
	UCSD REIMBURSEMENT	3,500	3,500	3,500	3,500	3,500	3,500
TOTAL REVENUE		1,534,037	1,578,206	1,623,635	1,668,389	1,709,290	1,757,991

PROJECT	DESCRIPTION						
40102 - MCORE	CONSTRUCTION - SANITARY SEWER	286,370	-	-	-	-	-
40508 - INTERCEPTOR SEWER EXTENSION	INTERCEPTOR SEWER EXTENSION	-	-	-	1,200,000	-	-
40513 - CARLE SANITARY SEWER	CARLE SANITARY CONSTRUCTION	-	-	500,000	-	-	-
	CARLE SANITARY PLANNING	-	200,000	-	-	-	-
40500 - SANITARY SEWER IMPROVEMENT	SANITARY SEWER IMPROVEMENTS	200,000	200,000	200,000	200,000	200,000	200,000
40510 - SANITARY SEWER TELEVISIONING	SANITARY TELEVISIONING	-	130,000	130,000	130,000	130,000	130,000
40511 - SANITARY SEWER LINING	SANITARY SEWER LINING	-	-	200,000	200,000	200,000	200,000
40512 - SANITARY SEWER RECONSTRUCTION	SEWER RECONSTRUCTION	-	-	125,000	-	320,000	320,000
	SEWER RECONSTRUCTION PLANNING	-	25,000	-	-	80,000	80,000
40501 - SANITARY SEWER PRIVATE TO PUBLIC	SAN. SEWER PRIVATE TO PUBLIC	25,000	25,000	25,000	25,000	25,000	25,000
40503 - SBF BILLING COSTS	SBF BILLING COSTS	45,592	46,915	48,275	49,675	51,116	52,599
40504 - ILLEGAL CONNECTION REIMBURSEMENT	ILLEGAL CONNECTION REIMBURSEMENT	4,000	4,000	4,000	4,000	4,000	4,000
40505 - SEWER LATERAL REIMBURSEMENT	SEWER LATERAL REIMBURSEMENT	50,000	50,000	50,000	50,000	50,000	50,000
40506 - OVERHEAD SEWER REIMBURSEMENT	OVERHEAD SEWER REIMBURSEMENT	10,500	10,500	10,500	10,500	10,500	10,500
49204 - FUND 204 - CIP	TECHNOLOGY SERVICES	10,000	11,557	11,846	12,142	12,445	12,756
	TRAINING	5,000	5,000	5,000	5,000	5,000	5,000
	CREDIT CARD FEES	150	150	150	150	150	150
	TRANSFER TO GENERAL FUND	859,518	881,006	881,006	881,006	881,006	881,006
	TRANSFER TO VERF	3,939	4,018	4,139	4,202	4,265	4,329
TOTAL EXPENSE		1,500,069	1,593,146	2,194,916	2,771,675	1,973,482	1,975,340

	Net Revenue / (Expense)	33,968	(14,940)	(571,281)	(1,103,286)	(264,192)	(217,349)
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	Beginning Fund Balance	1,390,152	1,424,120	1,409,180	837,899	(265,387)	(529,579)
	Ending Fund Balance	1,424,120	1,409,180	837,899	(265,387)	(529,579)	(746,928)