



CITY OF
BLOOMINGTON
COMMITTEE OF THE
WHOLE MEETING
NOVEMBER 21, 2016

AGENDA



City Logo Design Rationale

The symbol for the City of Bloomington is multifaceted in its visual and conceptual approach. Visually the symbol and the City's identity represent a modern progressive style which is consistent with the City's government. The symbol is based on three different concepts which combine to represent the City in a contemporary and appropriate way.

First and foremost is the chevron. The City government is a respected agency dedicated to serving the public. In this way, the chevron represents service, rank and authority.

The symbol may also be seen as a three dimensional building. This represents growth and diversity in our community.

Finally, the flower or plant derived from the original name "Blooming Grove," represents a community that is friendly and safe. Progress and growth are also associated with plant life as well as regeneration and renewal.

The symbol's positive upward movement is representative of the City's commitment to excellence!

RESOLUTION NO. 2016 -29

**A RESOLUTION ADOPTING A MISSION, VISION AND VALUES STATEMENT FOR THE
CITY OF BLOOMINGTON**

WHEREAS, the City of Bloomington ("City") is an Illinois home-rule municipality; and

WHEREAS, the City is known as the "Jewel of the Midwest;" and

WHEREAS, the City is a great place to live, work and play; and

WHEREAS, the City Council desires to adopt a statement expressing the Organizational Mission, Vision and Values of the City.

NOW, THEREFORE, BE IT RESOLVED BY THE City Council of the City of Bloomington, McLean County, Illinois, as follows:

Section 1. The above stated recitals are incorporated herein by reference.

Section 2. The City Council of the City of Bloomington hereby formally adopt the following as the City's Organizational Mission, Vision and Values:

Mission: To lead, serve and uplift the City of Bloomington

Vision: A Jewel of Midwest Cities

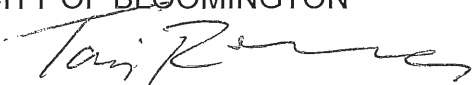
Values: Service-centered, results-driven, inclusive.

Section 3. All resolutions in conflict with this Resolution, as well as any previous statements adopted on the mission, vision and values of the City are hereby repealed.

Section 4. This Resolution shall be in full force and effect immediately after its passage and approval.

APPROVED by the City Council of the City of Bloomington, McLean County, Bloomington, Illinois, July 25, 2016, by a vote of 7 to 1. (Nay: Alderman Kevin Lower) (Absent: Alderman David Sage)

CITY OF BLOOMINGTON



Tari Renner, Mayor

ATTEST



Cherry L. Lawson, City Clerk



2015 Strategic Plan Goals

Goal 1. Financially Sound City Providing Quality Basic Services

- Objective
- a. Budget with adequate resources to support defined services and level of services
 - b. Reserves consistent with city policies
 - c. Engaged residents that are well informed and involved in an open governance process
 - d. City services delivered in the most cost-effective, efficient manner
 - e. Partnering with others for the most cost-effective service delivery

Goal 2. Upgrade City Infrastructure and Facilities

- Objective
- a. Better quality roads and sidewalks
 - b. Quality water for the long term
 - c. Functional, well maintained sewer collection system
 - d. Well-designed, well maintained City facilities emphasizing productivity and customer service
 - e. Investing in the City's future through a realistic, funded capital improvement program

Goal 3. Grow the Local Economy

- Objective
- a. Retention and growth of current local businesses
 - b. Attraction of new targeted businesses that are the "right" fit for Bloomington
 - c. Revitalization of older commercial homes
 - d. Expanded retail businesses
 - e. Strong working relationship among the City, businesses, economic development organizations

Goal 4. Strong Neighborhoods

- Objective
- a. Residents feeling safe in their homes and neighborhoods
 - b. Upgraded quality of older housing stock
 - c. Preservation of property/home valuations
 - d. Improved neighborhood infrastructure
 - e. Strong partnership with residents and neighborhood associations
 - f. Residents increasingly sharing/taking responsibility for their homes and neighborhoods

Goal 5. Great Place – Livable, Sustainable City

- Objective
- a. Well-planned City with necessary services and infrastructure
 - b. City decisions consistent with plans and policies
 - c. Incorporation of "Green Sustainable" concepts into City's development and plans
 - d. Appropriate leisure and recreational opportunities responding to the needs of residents
 - e. More attractive city: commercial areas and neighborhoods

Goal 6. Prosperous Downtown Bloomington

- Objective
- a. More beautiful, clean Downtown area
 - b. Downtown Vision and Plan used to guide development, redevelopment and investments
 - c. Downtown becoming a community and regional destination
 - d. Healthy adjacent neighborhoods linked to Downtown
 - e. Preservation of historic buildings



**CITY COUNCIL COMMITTEE OF THE WHOLE
MEETING AGENDA
CITY HALL COUNCIL CHAMBERS
109 E. OLIVE STREET, BLOOMINGTON, IL 61701
MONDAY, NOVEMBER 21, 2016, 5:30 P.M.**

- 1. Call to Order**
- 2. Roll Call of Attendance**
- 3. Recognitions**
 - A. Award Presentation of Certificates for the Bloomington 101 Participants.
- 4. Public Comment**
- 5. Consideration of approving the Committee of the Whole Meeting Minutes of October 17, 2016.** *(Recommend that the reading of the minutes of the Committee of the Whole Proceeding of October 17, 2016 be dispensed with and the minutes approved as printed.)*
- 6. Presentation of two projects for the One Voice advocacy program in March 2017:**
 - A. Hamilton Gap project (Bunn Street to Commerce Parkway) and Fast Lane.
 - B. Main Street/US 51 Corridor project (Olive Street in Bloomington to College Avenue in Normal).

(Presentation and discussion only.) (Presentation by Jim Karch, Director of Public Works; 5 minutes, and Council discussion; 10 minutes.)
- 7. Presentation of Culinary Water Portions of the 5-Year Capital Improvement Plan** *(Presentation and discussion only.)* (Presentation by Bob Yehl, Water Department Director; 20 minutes, and Council discussion; 20 minutes.)
- 8. Adjournment** *(approximately 6:30 PM)*

Note: No action will be taken on any matters at this meeting beyond approval of the minutes.



COMMITTEE OF THE WHOLE ITEM NO. 3

RECOGNITIONS

3. Recognitions

A. Award Presentation of Certificates for the Bloomington 101 Participants:

- Dionne Blake
- Gus Butorac
- Jeanette Carney
- Roger Cook
- Andy Finks
- Gabe Goldsmith
- Debbie Hanchett
- Jeff Henry
- Cheryl Hussain
- Katie McHugh
- Sarah Philos
- Faisal Rashid
- Nikita Richards
- Shailendra Singh
- Rod Smithson
- Marc-Athur Thelemaque
- Joyce Tucker
- Emily Vigneri
- Marie Vose
- Kelsey West



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

DIONNE BLAKE

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

GUS BUTORAC

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

JEANETTE CARNEY

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

ROGER COOK

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

ANDY FINKS

For participation in the Bloomington I01 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

GABE GOLDSMITH

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

DEBBIE HANCHETT

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

JEFF HENRY

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

CHERYL A. HUSSAIN

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

RATIE MCHUGH

For participation in the Bloomington I01 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

SARAH PHILOS

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

FAISAL RASHID

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

NIKITA RICHARDS

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

SHAILENDRA SINGH

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

ROD SMITHSON

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

MARC-ATHUR THELEMAQUE

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

JOYCE TUCKER

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

EMILY VIGNERI

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

MARIE VOSE

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

KELSEY WEST

For participation in the Bloomington 101 program.

Date

Mayor Tari Renner



COMMITTEE OF THE WHOLE MEETING
AGENDA ITEM NO. 5

FOR COUNCIL: NOVEMBER 21, 2016

SUBJECT: Consideration of approving Committee of the Whole Meeting Minutes from October 17, 2016.

RECOMMENDATION/MOTION: that the reading of the minutes of the Committee of the Whole Proceeding of October 17, 2016 be dispensed with and the minutes approved as printed.

STRATEGIC PLAN LINK: Goal 1. Financially sound City providing quality basic services.

STRATEGIC PLAN SIGNIFICANCE: Objective 1d. City services delivered in the most cost-effective, efficient manner.

BACKGROUND:

In compliance with the Open Meetings Act, Committee Proceedings must be approved within thirty (30) days after the meeting or at the Committee's second subsequent regular meeting whichever is later.

In accordance with the Open Meetings Act, Committee Proceedings are made available for public inspection and posted to the City's web site within ten (10) days after Committee approval.

COMMUNITY GROUPS/INTERESTED PERSONS CONTACTED: Not applicable.

FINANCIAL IMPACT: Not applicable.

Respectfully submitted for Committee consideration.

Prepared by: Cherry L. Lawson, City Clerk

Recommended by:

A handwritten signature in black ink, appearing to read "David A. Hales".

David A. Hales
City Manager

Attachments:

- October 17, 2016 Committee of the Whole Meeting Minutes

Motion: That the minutes of Committee of the Whole Proceedings of October 17, 2016 be approved as printed.

Motion: _____ Seconded by: _____

	Aye	Nay	Other		Aye	Nay	Other
Alderman Black				Alderman Mwilambwe			
Alderman Buragas				Alderman Painter			
Alderman Fruin				Alderman Sage			
Alderman Hauman				Alderman Schmidt			
Alderman Lower							
				Mayor Renner			



**COMMITTEE OF THE WHOLE SESSION
PUBLISHED BY THE AUTHORITY OF THE CITY COUNCIL OF
BLOOMINGTON, ILLINOIS
MONDAY, OCTOBER 17, 2016; 5:30 P.M.**

1. Call to Order

The Council convened in Committee of the Whole Session in the Council Chambers, City Hall Building, at 5:35 p.m., Monday, October 17, 2016. Mayor Renner called the meeting to order and directed the City Clerk to call the roll.

2. Roll Call

Aldermen: Kevin Lower, David Sage, Mboka Mwilambwe, Amelia Buragas, Joni Painter, Karen Schmidt (Arrived at 6:12pm), Scott Black, Diana Hauman and Jim Fruin.

Staff Present: David Hales, City Manager; Steve Rasmussen, Assistant City Manager; Cherry Lawson, City Clerk; Jim Karch, Public Service Director; Melissa Hon, Assistant to the City Manager; Scott Sprouls, Information Services Director; Bob Yehl, Water Director; Brendan Hefner, Bloomington Police Department Chief; and other City staff were present.

Alderman Absent: Alderman Schmidt (Arrived at 6:12pm), Alderman Fruin

Staff Absent: Jeffrey Jurgens

3. Public Comment

Mayor Renner opened the meeting to receive Public Comment. The following individuals provided comments during the meeting.

Angelique Racki

Angela Yandel

4. Consideration of approving the Committee of the Whole Meeting Minutes of September 19, 2016.

Motion by Alderman Hauman, second by Alderman Black, that the minutes of the Committee of the Whole Meeting of September 19, 2016 be dispensed with and approved as printed.

Mayor Renner directed the Clerk to call the roll which resulted in the following:

Ayes: Aldermen Lower, Sage, Mwilambwe, Buragas, Painter, Black, and Hauman.

Nays: None.

Motion carried. (viva voce)

5. Presentation of Sewer and Storm Water portions of the 5-year CIP (Presentation by Jim Karch; 15 Minutes, Council Discussion; 15 Minutes.)

Mr. Hales stated Mr. Karch would be presenting on an abbreviated version of the Sanitary Sewer and Storm Water Improvements section contained within the Five Year Capital Improvement Plan.

Mr. Karch stated there are three main points to take away from the presentation. The first would be if Council does decide to move forward with increased funding for resurfacing, City and Staff have to remember the underground infrastructure is to be kept in parallel with the condition of the streets above. The second point is it is more cost effective to be proactive than to be reactive. The third point is that the City is behind in repairs and is not keeping up with current needs.

One way the City prioritizes projects and their timeline, is by utilizing the adopted Master Plan. This large document was completed in 2014 and approved by Council in 2015. It helps drive the conversation about what projects are to be dealt with and the best management practices to take.

Streets are reliant upon sewers and vice versa. Last month, Staff asked Council for the sewer budget to be doubled. If budgeting is doubled, about 25% of the streets in Bloomington will be addressed. It is just as equally important to increase the infrastructure budget for the underground improvements alongside the resurfacing budget. If the two are not addressed together, at the same time, you will have unsuccessful roads with holes, and areas that will collapse or cave in. Sewer rehabilitation is the single largest spending item in the City's Sanitary Sewer and Storm Water Master Plans.

The City must act quickly to preserve the capacity of the waste water treatment plant southeast of Bloomington. There are multiple sources of inflow such as roof drains connected to sanitary sewer, improper cross connections with storm sewer, faulty manhole covers and frames, and uncapped cleanouts. The multiple sources of infiltration include broken house lateral, root intrusion into lateral, faulty connection of lateral into sewer main, deteriorated manholes, and cracks or breaks in the sewer mains.

An unfunded Federal Mandate requires communities like ours, to deal with combined sewers for overflows. Much of Bloomington has combined sewers. Combined sewer overflows

are difficult and expensive to deal with. It is estimated that there is still \$17.5 Million dollars' worth of repairs needed to eliminate these combined sewer overflows throughout all of Bloomington. As long as the City continues to repair these combined sewer overflows, the EPA will not step in to mandate.

The City did a community wide survey across all of Bloomington, that asked residents where they were having problems with flooding and storm water. There were numerous reports all over the community. Throughout the Bloomington area there are streams and channels that are eroding. There are areas of water in people's back yards. Sixty (60) miles of streams and channels still need to be maintained of which there is no funding for. There are significant needs the City has not been able to address. The Sewer Master Plan gave us a rating system for our streams; however, this system has not been put into place because the City simply does not have the resources at this time.

Bloomington is an older community where residents built houses on the fringes before there were sanitary sewer lines, before combined sewers were available. This means sewer lines are ran all throughout the City, a term known as "wild cat sewer lines." These old lines have to be dealt with over time as issues begin to arise. We have blocks throughout the community where there are no sewer lines at all. This is a huge issue right now that the City needs to start addressing. Sump pump drain lines are another issue that are very apparent and yet there is no funding to deal with.

Mr. Hales stated the Sanitary and Storm Water Enterprise funds have very low fund balances. The amount of funding in the budget will not meet the needed budget for the next five years. This low funding level then raises concern of how Council starts deciding what projects get done with the limited amount of funding available. There has been a Sanitary Sewer and Storm Water Rate Study done. This study will be brought to Council in the near future for discussion to help be part of the answer in determining what projects get done over the next five years.

Alderman Black stated that the "Wild Cat" sewer lines are becoming more visible in the historical areas of the City. He would like to see Council consider a "Wild Cat Sewer Fund," or a Wild Cat Sewer Program to help home owners, so they are not taking on all costs.

David Hales stated one factor to consider for future funding is equity.

Alderman Black stated that a lot of policies and agreements need to be looked at and updated to match current needs within the City. He would like to see a lot of focus on the older areas of the community due to issues of neglect. The historic core should be a key feature to the (5) Five year Capital Improvement Plan.

Alderman Lower asked whether the City is holding back on street resurfacing because they are waiting for funding for sanitary sewer.

Alderman Buragas echoed what Alderman Black stated; the historic areas of the City need to be brought up to date with necessities they deserve.

6. Presentation of Culinary Water Quality in Bloomington. (Presentation and discussion of Bloomington's culinary water quality and informing the Bloomington City Council and the general public of additional regulatory requirements from the IEPA, Illinois State Legislature, and Lead and Copper Rule changes that the City of Bloomington Water Department will be required to address.) (Presentation by Bob Yehl and Bloomington Water Department; 15 minutes, Council Discussion; 15 minutes)

Mr. Hales stated there is a heightened national discussion of safe and clean culinary water within homes. All culinary water systems are aware of the lead that can be contaminating water systems and pipes within our homes.

Mr. Yehl presented on the daily tasks of the Water Department staff and indicated where the City of Bloomington ranks in terms of water quality. Bloomington's water quality is excellent. The City of Bloomington meets all federal and state regulations for safe and chemically balanced water.

In 1991 the Lead and Copper Rule was established. Bloomington tests for lead and copper every three years and test half of the original sites each testing round. The symptoms of lead contamination are constipation, abdominal pain, poor appetite, anemia, vomiting, irritability, lethargy, and seizures. Lead contamination can cause a lifetime IQ reduction. Young children, pregnant women, and the elderly are more impacted due to age, immune systems and developing systems.

Proposals for lead and copper revisions will be coming forward in 2017. There was a notice, sent out by the USEPA, on Friday October 21, 2016 about forthcoming issues and regulations. The City of Bloomington does a great job at tracking these issues and regulations as they come forward. The Illinois State Legislature has been crafting Amendment #3 to Senate Bill 550 which focuses on school water testing and monitoring.

The City of Bloomington's Water Department is working on developing communication resources for mailings and for the City Website.

Mr. Hales asked Mr. Yehl to explain what communities throughout the nation are doing in terms of programs to help remove lead-based pipes with safer solutions.

Mr. Yehl stated Washington, DC; Galesburg; and Madison, Wisconsin all had higher lead contamination levels than the City of Bloomington. Based on the Lead and Copper Rule if

an entity cannot get a 90% percentile below the action level, the next step is to remove 7% of lead service lines every year. They have a resource and funding programs where they identify and remove all the lead service lines within their municipal limits.

- 7. Presentation on Creativity Center renovation project for resolution including:**
 - a. Need for immediate repairs**
 - b. Discussion of moving forward with long-term renovation of the Creativity Center.**

(Presentation by David Hales, City Manager, Eric Veal, Assistant Director of Parks and Recreation 15 minutes. Council discussion 15 minutes.)

Mr. Hales stated there is a need for immediate repairs as well as a future proposal to budget for a total renovation of the Creativity Center, which Farnsworth Group estimated to be around 5 Million dollars. Staff is presenting this section of the Five Year Capital Improvement Plan ahead of time due to the immediate needs including roof repair, as well as, heating and air conditioning. These problems need to be dealt with in this fiscal year to ensure that the City does not incur additional damage through leaks and neglect. There is debate as to whether the City should be paying for the renovation or if funding should be raised solely through the private sector.

Eric Veal presented the immediate needs, previous plans, and the future vision of what the Creativity Center will become. There are three air handlers on top of the Creativity Center of which only one of these units are functional. Parts from the other two units have been used to make the one half work. At this time spaces are not being heated or cooled efficiently and therefore there is a lot of usable space that has become unusable. The roof has seven leaks; four of which are minor leaks and three of which are major leaks. Another area of immediate attention is potentially losing current funds. One of these current funds is United States Housing and Urban Development (HUD) Grant for \$133,000 dollars. HUD has stated the money will not be given to the Creativity Center if projects of renovation are not started.

Back in 2011, the Farnsworth Group was commissioned to do the Bloomington Creativity Center renovation Plan. Due to construction costs, original estimates of \$5.2 Million dollars, for renovations are still relevant today. However, this all depends on what we do with the inside of the building.

Mr. Veal stated through a capital campaign started back in 2004, over \$900,000 dollars has already been raised for the Creativity Center.

Mr. Hales stated of the \$900,000 dollars raised, not all is allocated specifically to the Creativity Center. Staff has drafted a resolution that could be used as a guide to initiate Council discussion as well as addressing immediate needs and repairs.

Alderman Hauman stated this is a great opportunity to add to the arts community throughout Bloomington. She questioned how much funding will be needed once grants and raised money are factored out of renovation costs.

Mr. Hales stated ultimately it is up to Council to decide where funding comes from. Usually it is raised through the private sector; however this is a large sum to seek from the public sector alone.

Alderman Buragas stated raising money through the private sector needs to be the first route taken. If there is not that type of capacity within the community then Council can reevaluate at that time. Alderman Buragas stated she is surprised that the City has been raising money for multiple years for this Center and has yet to spend the funds raised for needed repairs. She is in full support of moving forward to start spending the raised money to make immediate repairs of the Creativity Center.

Alderman Mwilambwe stated he was concerned that we have raised funds that are not being used currently. He suggested Council be presented with renderings and plans to get more excitement as to what the City can expect from the renovations. The City should move forward in phases and see how much money can be raised from the private sector first. The City of Bloomington owns this building and if Council is not proactive then costs will be considerably higher in the future, the worse repair needs become.

Alderman Sage stated he supported immediate needs repairs, but cannot support a policy change at this time to fully renovate the Creativity Center.

Alderman Lower stated, since the Friends of the BCPA, a 501(c) 3 organization, has now been established, the City should be taking a look into privatization in its entirety so that if the Creativity Center can function and move forward with projects on its own, Council would no longer have to make the decisions.

Alderman Schmidt stated the resolution is very clear in how it lays everything out, including Council's involvement. She stated that Council has raised a great amount of money and has sat on it for multiple years without spending that money in the Center where it was intended and is now needed. She is in full support of the resolution as presented.

Alderman Painter stated that she has worked directly with some of the individuals who donated funds to the Creativity Center, whom now want to take their money back if it is not used where it was intended. She is in full support of the resolution as written.

Alderman Black stated Council will likely never come to a full agreement on where the Creativity Center is on the priority list, however, a decision has to be made and Council needs to figure out where a majority vote stands. Alderman Black questioned why there was need for the resolution presented.

Mr. Hales stated the Budget Task Force and past Council discussion did not give the community and potential fundraisers any hope or credibility that if funds were raised, the City would continue to own the Creativity Center and accept final responsibility for maintenance of the building.

Mayor Renner stated since at least five Council members were in favor of the resolution presented; staff should put the resolution on an upcoming agenda to present it to the Council. Once the resolution is presented, Council can vote on this item.

8. Adjournment

Motion by Alderman Black, seconded by Alderman Schmidt, to adjourn Committee as a Whole Session. Time: 7:05 p.m.

Motion carried. (viva voce)

CITY OF BLOOMINGTON

ATTEST

Tari Renner, Mayor

Cherry L. Lawson, City Clerk



**COMMITTEE OF THE WHOLE
AGENDA ITEM NO. 6**

FOR COUNCIL: November 21, 2016

SUBJECT: Presentation of two projects for One Voice advocacy program in March 2017:

1. The Hamilton Gap project (Bunn Street to Commerce Parkway), and
2. The Main Street/US 51 Corridor project (Olive Street in Bloomington to College Avenue in Normal).

RECOMMENDATION/MOTION: Presentation and Discussion only.

STRATEGIC PLAN LINK: Goal 2. Upgrade City infrastructure and facilities. Goal 3. Grow the Local Economy, and Goal 5. Great Place – Livable, Sustainable City.

STRATEGIC PLAN SIGNIFICANCE: Objective 2a. Better quality roads and sidewalks. Objective 3e. Strong working relationship among the City, businesses, and economic development organizations. Objective 5a. Well-planned City with necessary services and infrastructure.

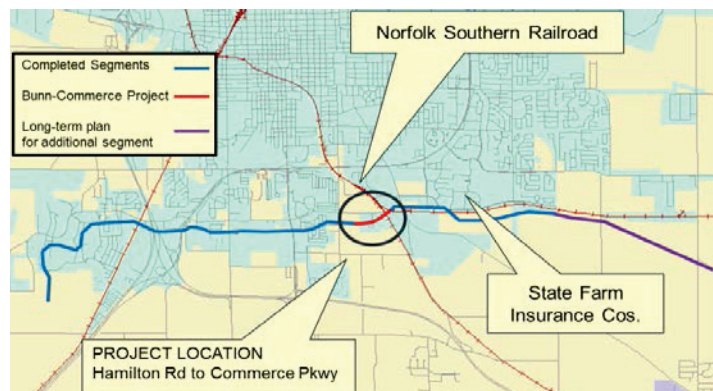
BACKGROUND: City staff is discussing two projects for the One Voice advocacy program taking place March 22-24, 2017 and will recommend applying to the Bloomington-Normal Economic Development Council on behalf of the City of Bloomington to advocate for this work.

The City believes current residents, future residents, existing businesses and future business, will benefit greatly from these projects, and the City believes those benefits extend beyond City boundaries to the economic and transportation benefit of McLean County as a whole.

The Bloomington-Normal Economic Development Council (EDC) annually leads a contingency to Washington, D.C., to discuss economic needs. Staff asks that the Council support the two projects and approve the applications on November 28, 2016. If the EDC approves the applications, the One Voice Group will advocate for federal funding for the project during the One Voice trip, March 22-24, 2017. The deadline for applications is November 30, 2016.

HAMILTON GAP

The city is currently working with Norfolk Southern Railroad to ensure that the improvement of Hamilton Rd. from Bunn St. to Commerce Pkwy. can continue as planned. The council's commitment to supporting this project will help staff continue to make progress with the railroad.



The City has spent more than \$28 million on the Hamilton Road south corridor, starting in the 1990s, and is moving forward on the other unimproved gap in the corridor: Fox Creek Road, from Danbury Drive to Beich Road. Because of the cost of the Hamilton Road Connection Project, approximately \$14.5 million, federal FASTLANE grant funding is desirable. The main elements of the project include:

- Construct approximately 3,000 feet of new four-lane arterial road between Bunn Street and Commerce Parkway.
- Relocate existing Norfolk Southern Railway (NSRR) sidings.
- Close the dangerous intersection of Rhodes Land and U.S. 150 (Morrissey Drive).
- Construct a new at-grade crossing with NSRR.
- Connect a gap in the Constitution Trail.

Project benefits include:

- More efficiently moving commuters, students and goods.
- Opening new areas of the City to infill development.
- Improved safety by removing an intersection near an at grade railroad crossing.
- Reduced traffic on substandard or over capacity roadways.
- Promoting multi-modal transportation from residential and recreational areas to employment centers.

In October 2016, the city held a public meeting to discuss the possibility of closing two at-grade crossings (Western St. and Roosevelt St.) in exchange for a crossing at Hamilton Rd. City staff continues to work with Norfolk Southern on the at-grade crossing, but the City Council must remain committed to the project for Norfolk Southern to invest in the changes necessary to allow an at-grade crossing rather than a bridged crossing.

MAIN STREET / US 51 CORRIDOR

The Illinois Department of Transportation approached local officials in early 2016, including those from Bloomington, seeking support for its TIGER grant application. That grant application was unsuccessful, but City staff recommends applying to the Bloomington-Normal Economic Development Council on behalf of the City of Bloomington to advocate for this work as part of the One Voice initiative.

U.S. Business Route 51 is known as Main Street, Center Street, Kingsley Street and Hovey Avenue at various points through the core of the Twin Cities. The U.S. 51 corridor is central to transportation for Bloomington and Normal.



Credit: McLean County Regional Planning Commission

The project calls for road widening and adding Complete Streets components to U.S. Business 51 from Olive Street in Bloomington to College Avenue in Normal. The intent is to use a communitywide Main Street Corridor study as its initial blueprint. The corridor's improvement will be highly advantageous to Bloomington, Normal, and the region as a whole.

The project should have a tangible effect as it relates to sewers in Bloomington. It has become City policy that sewers are fixed underneath a street before major resurfacing occurs. Staff intends to investigate sewers along the project area in Bloomington, enact any urgent repairs necessary and consider long-term rehabilitation options such as sewer lining. The cities also will be asked to share the cost of new traffic signals. An amount has not yet been determined.

Special Concerns:

- North Center Street has been of specific concern to the City, and the City Council in 2014 formally requested that North Center Street resurfacing be placed on IDOT's Multi-Year Program. A 2011 IDOT resurfacing has failed, possibly because of a poor sub base, and the road surface is in poor condition. The TIGER project addresses the issue.
- In the same document, the City requested that IDOT realign westbound U.S. 150/Illinois Route 9 so that U.S. 150/Route 9 merges with U.S. Business Route 51 rather than continuing on West Empire Street and then onto North Lee Street. The City proposal would remove highway designation from a residential area also occupied by an elementary school (Bent Elementary School). The City is aware that IDOT surveyed the street after receiving the request. The City will continue to put forward this request in conjunction with the TIGER project.
- The Bicycle Master Plan adopted by the City Council in 2015 advocates bicycle accommodations to link Downtown to other portions of the community, stretching along the Main Street Corridor to Normal, with linkages to neighborhoods, Emerson Street, the Constitution Trail north of Downtown, etc. The IDOT grant proposal intend to achieve this goal.

COMMUNITY GROUPS/INTERESTED PERSONS CONTACTED: The City initially contacted stakeholders when applying for a TIGER grant in 2014 and the US DOT FASTLANE grant in 2016. Numerous businesses and public officials support the application. The City contacted stakeholders when IDOT applied for a TIGER grant for the Main St/US 51 Corridor in early 2016. The Town of Normal, numerous businesses, and public officials supported the application.

FINANCIAL IMPACT: While there is no financial impact for the application to the EDC for the One Voice trip applications, each project has potential costs. (A) The Hamilton Gap project itself could cost as much as \$14.5 million. FASTLANE is capped at 60 percent federal funding. The projected cost of Hamilton Road extension is \$14.5 million. Therefore, the grant requests would break down as follows: FASTLANE \$8.7 million grant maximum and \$5.8 million in non-federal money, at minimum. If the City is awarded the grant, City staff would need to come back to the City Council to explore the options for the City's share of the funding. However, the City Council must show a commitment to funding before staff applies for the grant. (B) IDOT estimates that the Bloomington share for the Main Street Corridor plan will be \$1,515,412 of the \$23,500,000 total project cost. The Normal share will be \$540,836. The state's share is \$7,043,752. The remaining \$14,400,000 is sought through a federal TIGER grant, which is recommended by staff.

Respectfully submitted for Council consideration.

Prepared by: Michael Hill, Public Works Administration
Reviewed by: Jim Karch, PE CFM, Director of Public Works
Legal review by: Jeffrey R. Jurgens, Corporation Counsel
Recommended by:



David A. Hales
City Manager

Attachments:

- Presentation
- IDOT Main Street Corridor preliminary estimates

Motion: Presentation and Discussion only.

Motion: _____ Seconded by: _____

	Aye	Nay	Other		Aye	Nay	Other
Alderman Black				Alderman Mwilambwe			
Alderman Buragas				Alderman Painter			
Alderman Fruin				Alderman Sage			
Alderman Hauman				Alderman Schmidt			
Alderman Lower							
				Mayor Renner			



Hamilton Gap & Main Street/US 51 Corridor

Bloomington City Council Committee of the Whole
November 21, 2016

Hamilton Gap Project

- Needed to complete east-west arterial across south Bloomington

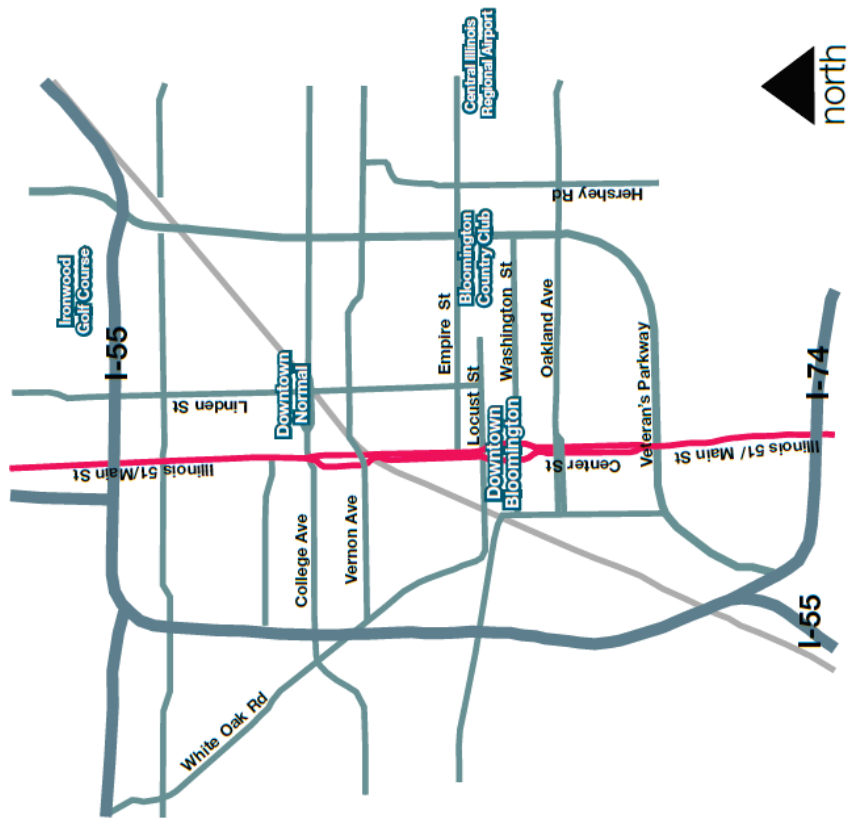


Main Street/US 51 Corridor

- Needed to improve ease of use for drivers, cyclists, and pedestrians
 - Adds Complete Streets components
 - Revitalizes Main Street for urban lifestyle



Intersection of Engle and Main, if developed as part of a mixed-use commercial node along the Corridor.



IDOT Main Street Corridor preliminary estimates	
PROJECT ELEMENTS	PROJECT COSTS
Earthwork, Landscaping, and Erosion Control	\$249,000
Subgrades, Subbases, and Base Courses	\$701,000
Hot-Mix Asphalt Pavements	\$1,666,750
Portland Cement Concrete Pavements & Sidewalks	\$2,540,000
Pavement Rehabilitation	\$1,253,500
Sewer Structures	\$830,000
Incidental Drainage	\$932,500
Signing & Pavement Marking	\$265,400
Electrical (Traffic Signals)	\$4,752,000
Electrical (Lighting)	\$1,500,000
Miscellaneous Work	\$66,750
Bridge Rehabilitation	\$411,520
CONSTRUCTION SUBTOTAL	\$15,168,420
Mobilization	\$798,421
Traffic Control	\$800,000
Contingency %	\$1,233,159
CONSTRUCTION TOTAL	\$18,000,000
Utilities Adjustment	\$500,000
Land Acquisition - Relocations	\$1,500,000
PROGRAM COST	\$20,000,000
(Const. Cost + Contingency + Utilities + Land Ac)	
Preliminary Engineering	\$3,000,000
Construction Engineering	\$500,000
TOTAL PROJECT COST	\$23,500,000
(Prog. Cost + Engineering)	
State Match	\$7,043,752
City of Bloomington - Local Match	\$1,515,412
Town of Normal - Local Match	\$540,836
Requested TIGER Funds	\$14,400,000
Percent Local/State Match	39%

"Providing good stewardship of the public infrastructure and equipment safely through competitive services and excellent customer relations."

 CITY OF
Bloomington **ILLINOIS**
COMMITTEE OF THE WHOLE MEETING
ITEM NO. 7

FOR COUNCIL: November 21, 2016

SUBJECT: Presentation of Culinary Water 5-Year Capital Improvement Plan

RECOMMENDATION/MOTION: Presentation and discussion of Bloomington's culinary water capital improvement infrastructure needs to keep the water system operational, functional and robustly serve the needs of the City.

STRATEGIC PLAN LINK: Goal 2 – Upgrade City Infrastructure and Facilities; Goal 5 – Great Place – Livable, Sustainable City

STRATEGIC PLAN SIGNIFICANCE: Objective 2.B – Quality water for the long term; Objective 5.A – Well-planned City with necessary services and infrastructure

BACKGROUND: Infrastructure for culinary water requires capital investment. The City has tremendous infrastructure investments that require maintenance, upgrades, and periodic replacement to maintain functionality. Water Department staff are continuously working to provide safe, cost effective water, while meeting current and future regulatory requirements for safe water.

COMMUNITY GROUPS/INTERESTED PERSONS CONTACTED: N/A

FINANCIAL IMPACT: Potential future additional infrastructure replacement costs and additional staff and material resource costs. This could result in increased future water rates.

Respectfully submitted for Council consideration.

Prepared by: Scott Hobart, PE, Project Manager

Reviewed by: Robert Yehl, PE, Water Director

Reviewed by: Steve Rasmussen, Assistant City Manager

Financial & budgetary review by: Chris Tomerlin, Budget Analyst
Carla A. Murillo, Budget Manager

Legal review by: Jeffrey R. Jurgens, Corporation Counsel

Recommended by:



David A. Hales
City Manager

Attachments:

- PowerPoint presentation
- CIP 5-yr detail sheets

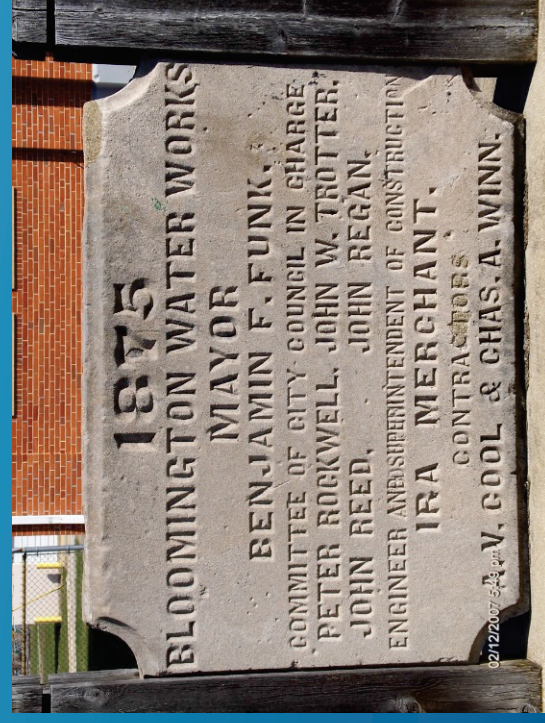
Motion: Presentation and discussion of Bloomington's culinary water capital improvement infrastructure needs to keep the water system operational, functional and robustly serve the needs of the City.

Motion: _____ Seconded by: _____

	Aye	Nay	Other		Aye	Nay	Other
Alderman Black				Alderman Mwilambwe			
Alderman Buragas				Alderman Painter			
Alderman Fruin				Alderman Sage			
Alderman Hauman				Alderman Schmidt			
Alderman Lower							
				Mayor Renner			



CULINARY WATER 5-YEAR CAPITAL IMPROVEMENT PLAN



City Council
November 21, 2016

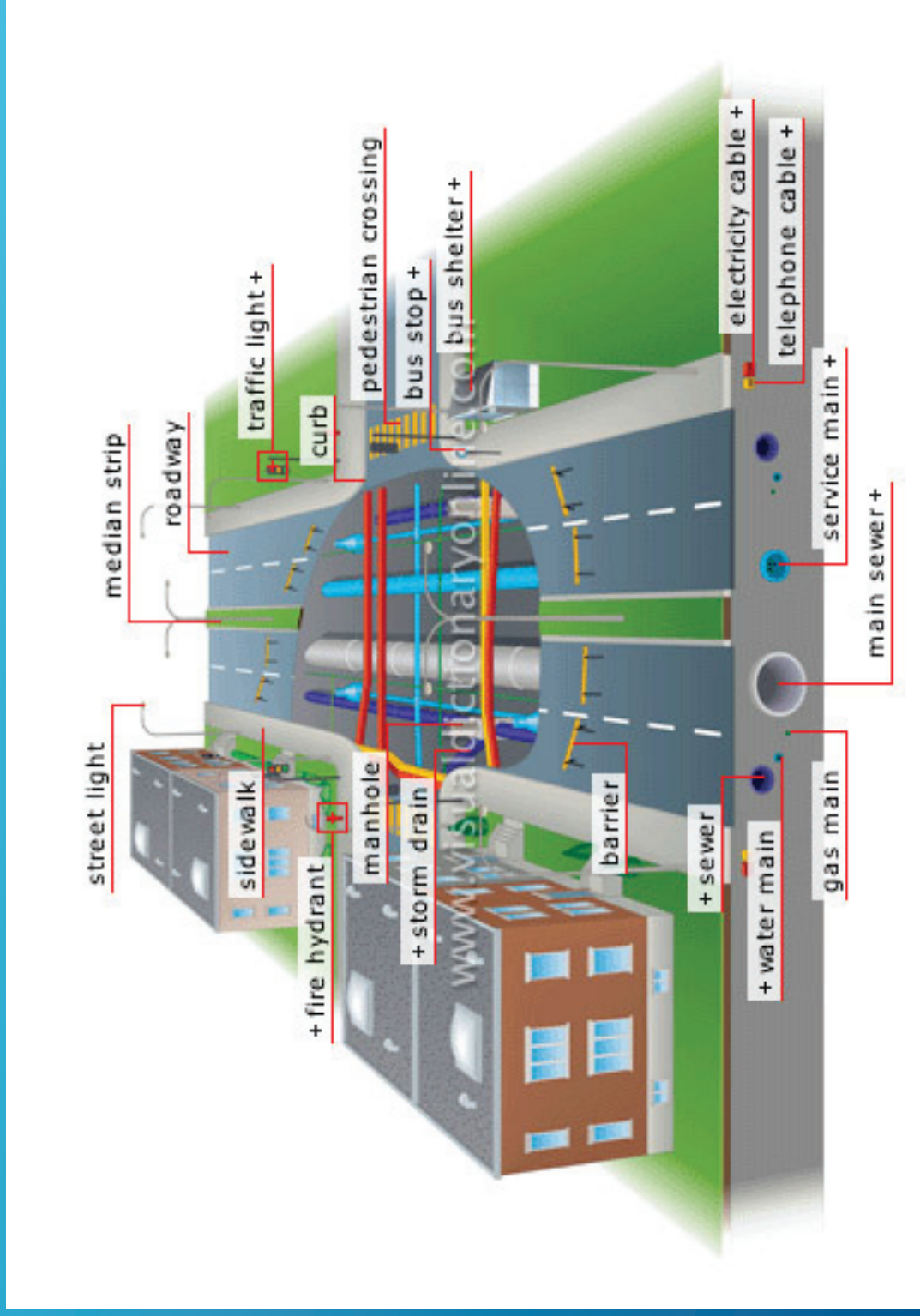
The Water Department is an Enterprise fund that robustly serves our Customers by functioning under a series of divisions.

- ▶ Department Administration
- ▶ Water Supply and Future Planning
- ▶ Water Treatment Operations
- ▶ Lake Parks & Infrastructure Operations
- ▶ Mechanical Maintenance & Storage
- ▶ Transmission & Distribution
- ▶ Meter Services
- ▶ Billing & Collections



Resurfacing Coordination

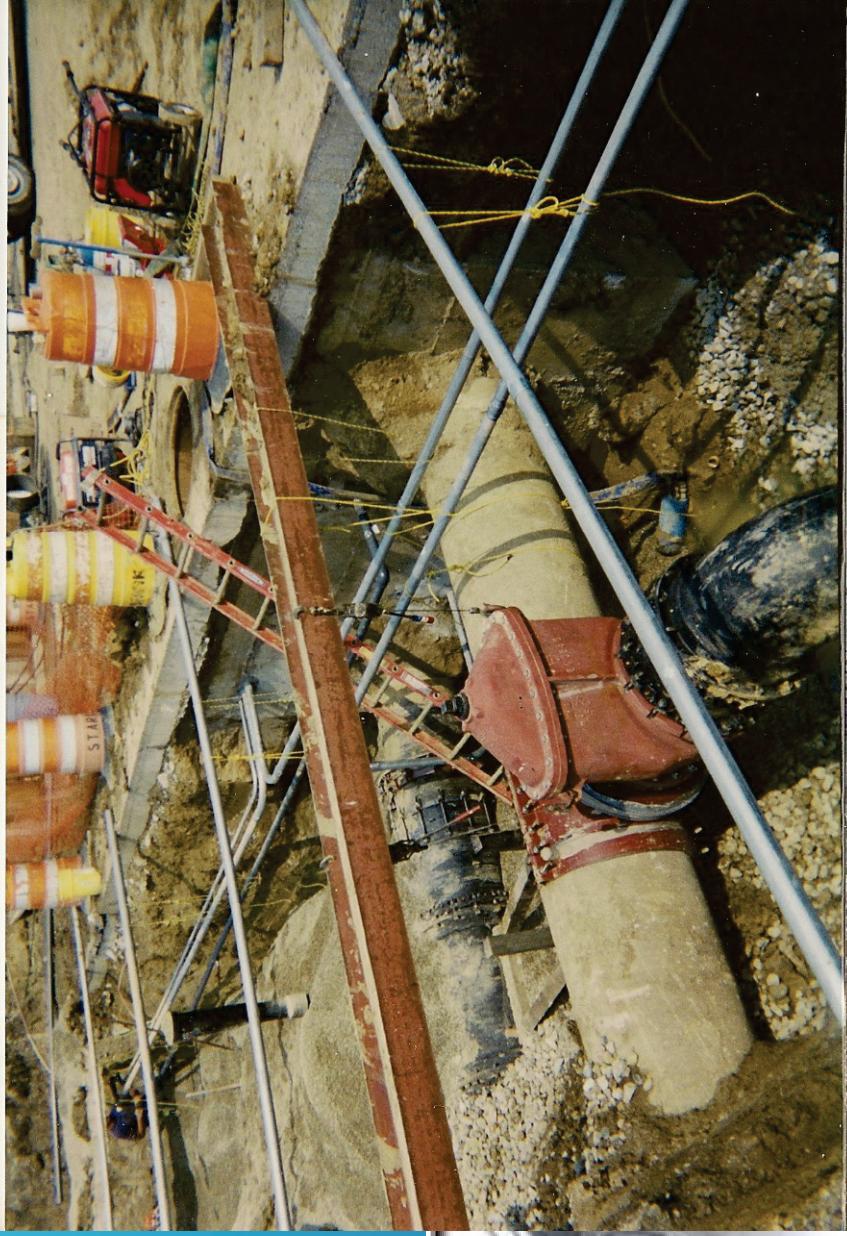
- Public Works - Streets Resurfacing and CSO elimination Projects require Water Main Replacement for the most efficient use of City funds.
- The Water Department needs additional Funds and Staff Resources to complete Public Works driven Water Main Replacement projects in a timely manner.



Department Administration – Planning

Infrastructure Master Plan

Fresse Vault



Water Rate Study



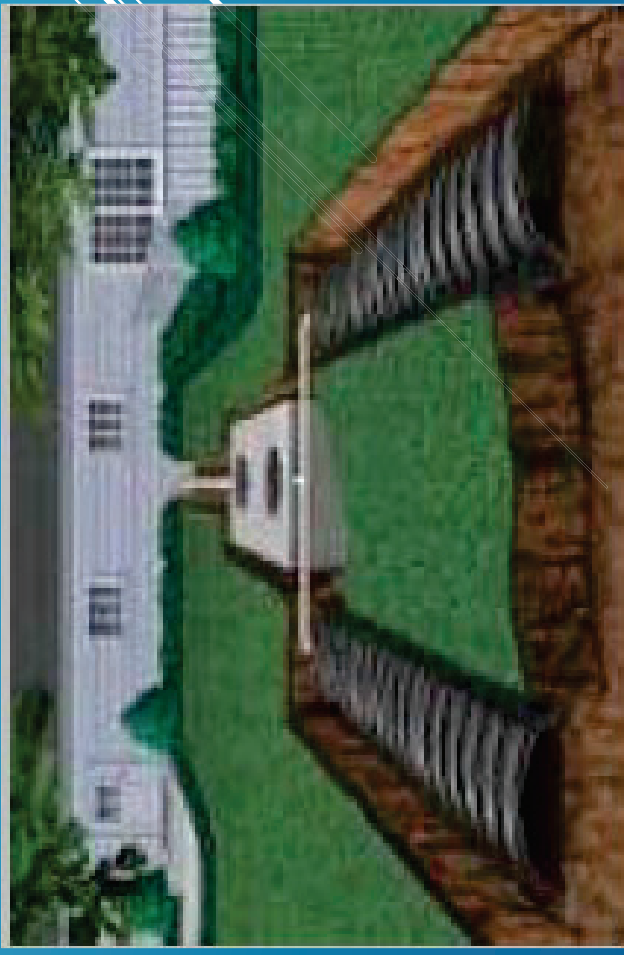
Department Administration – Project Management



Multi-Year Outside
Consultant Services

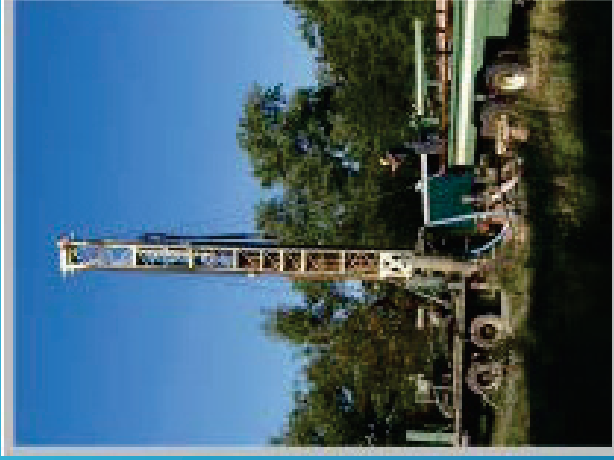
Consultant Construction
Administration

Lake Bloomington Sewerization

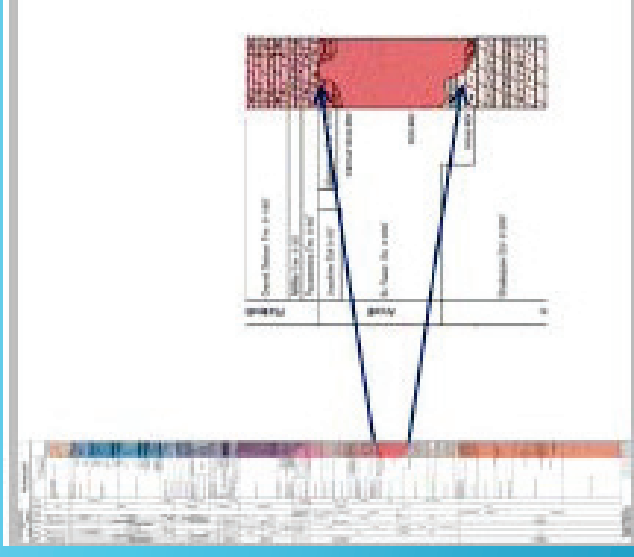


Water Supply and Future Planning

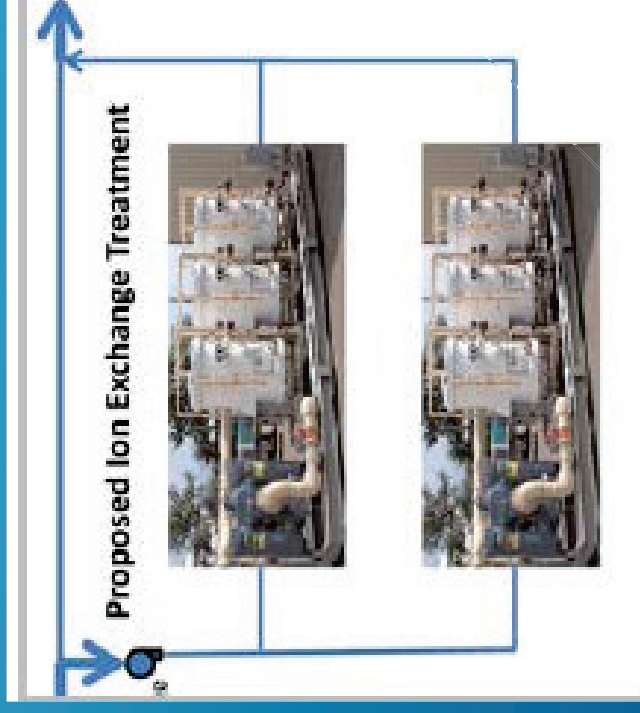
St. Peter Aquifer Ground Water Supply



Emergency Ion Exchange



Groundwater Pre-treatment Piping and Modifications

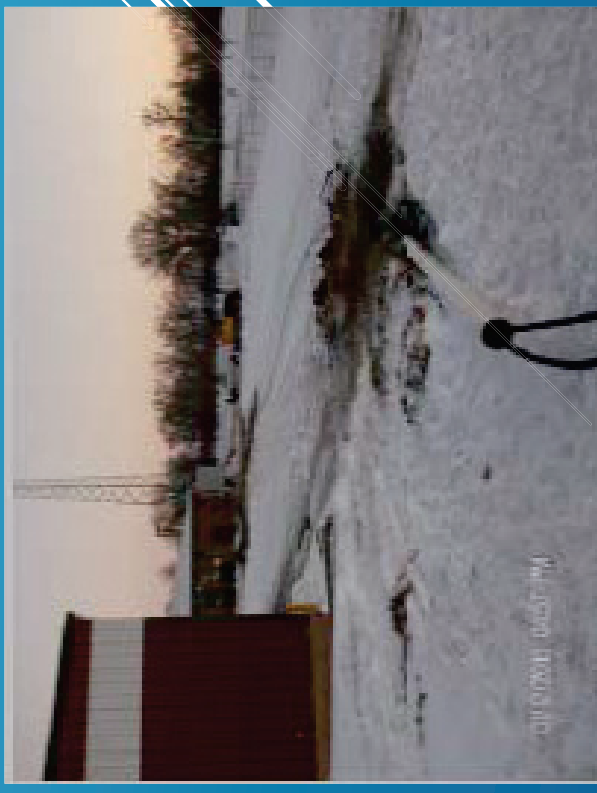


Water Treatment Operations – Infrastructure Maintenance

Annex Building and
Main Process Building
Roof Replacements



Main Process Building
Boiler Replacement



Natural Gas Main Replacement
to Main Process Building

Water Treatment Operations – Infrastructure Maintenance



Lake Bloomington and Evergreen
Lake Dam / Spillway Improvements

Evergreen Lake Dam Drain
System Rehabilitation



Water Treatment Operations – Plant Improvements

Re-carbonation Bypass



Electrical and Building Improvements



Blower Building and Old Plant Filter Modifications



Water Treatment Operations – Lake Management

Multi-Year Reservoir Shoreline /
Stream Erosion Control



Lake Bloomington Fill Area
Reshaping / Grading

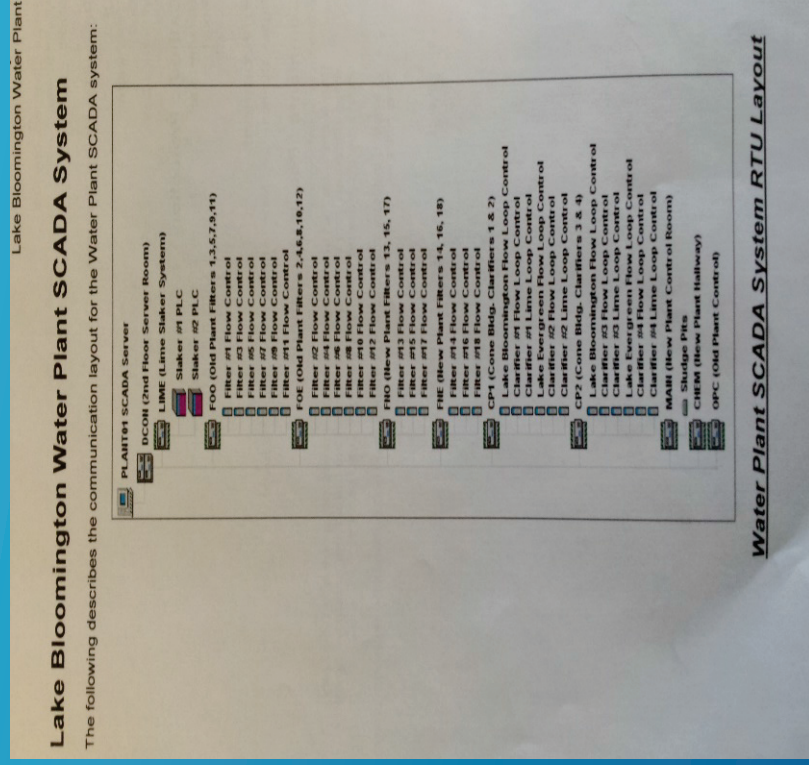
Mechanical Maintenance & Storage

Electrical Conversion of Evergreen Pump Station

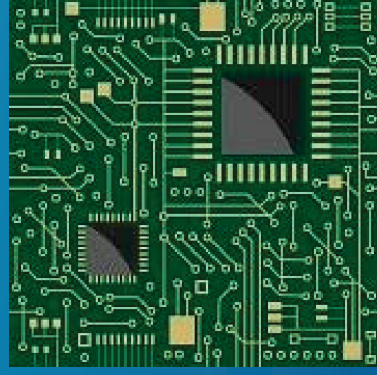
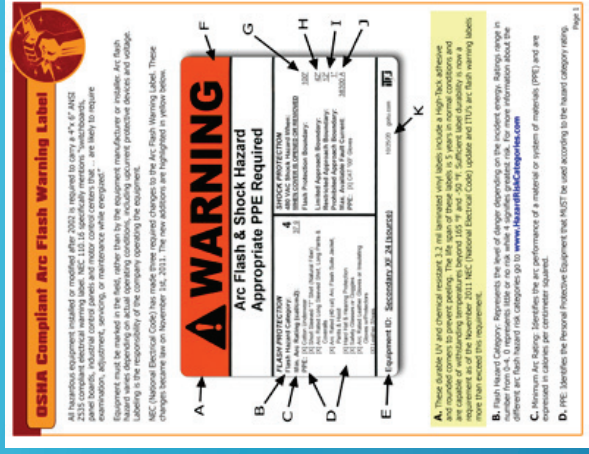
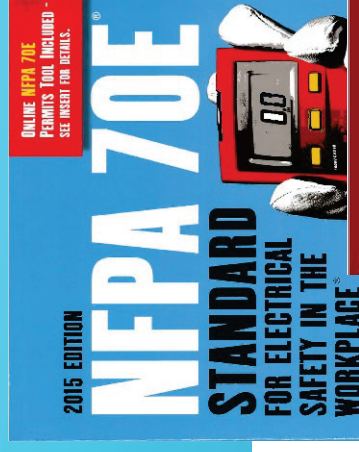


Division Street Pump Station Improvements

Water Treatment Plant & Evergreen Lake Pump Station- Arc Flash Study and Implementation

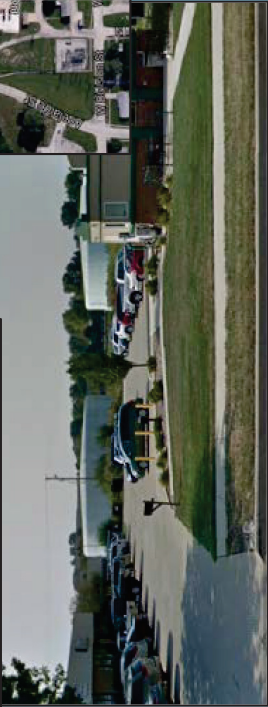


SCADA Master Plan and Implementation



Pump Stations - Arc Flash Study and Implementation

Mechanical Maintenance & Storage



Raw Water Intake
Inspection and Repairs



Lake Destratifier
Units Replacement



Hamilton Tank Valve
Reconstruction

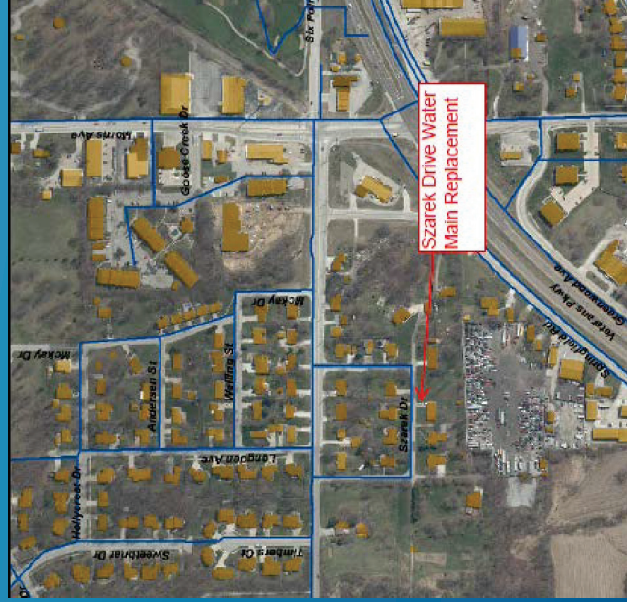
Finished Water Reservoirs	Storage Capacity
Fort Jesse	4.0 MG
Division Street	15.0 MG
Northeast Tank	0.4 MG
Hamilton Tank	2.0 MG
Total =	21.4 MG

Finished Water
Reservoirs Rehabilitation

Transmission and Distribution – Water Main Replacement



Szarek Drive



Cloud from
McGregor to Vale



Lake Bloomington



Fleetwood Subdivision



Peirce Avenue

Transmission and Distribution – Water Main Replacement



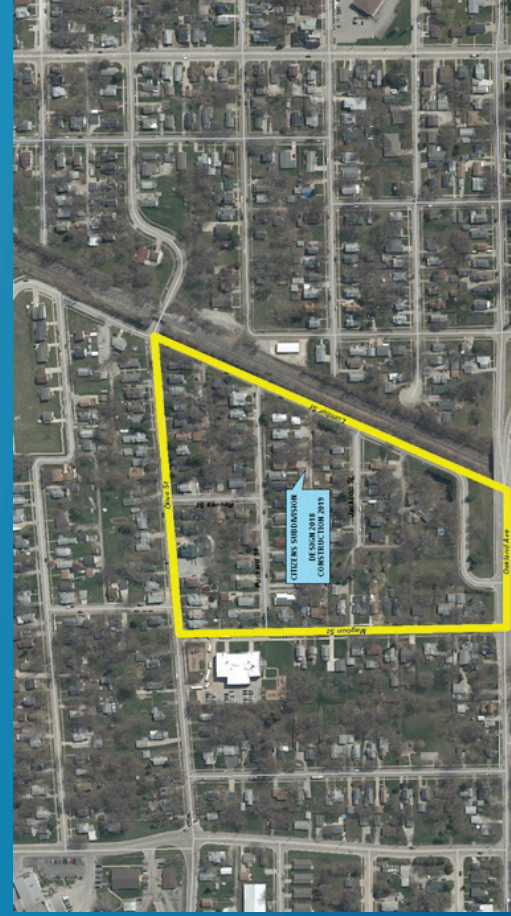
Gridley Street

Approximate Distribution
System Total Length (GIS)

350-400 miles of
pipe



Elm and McArthur

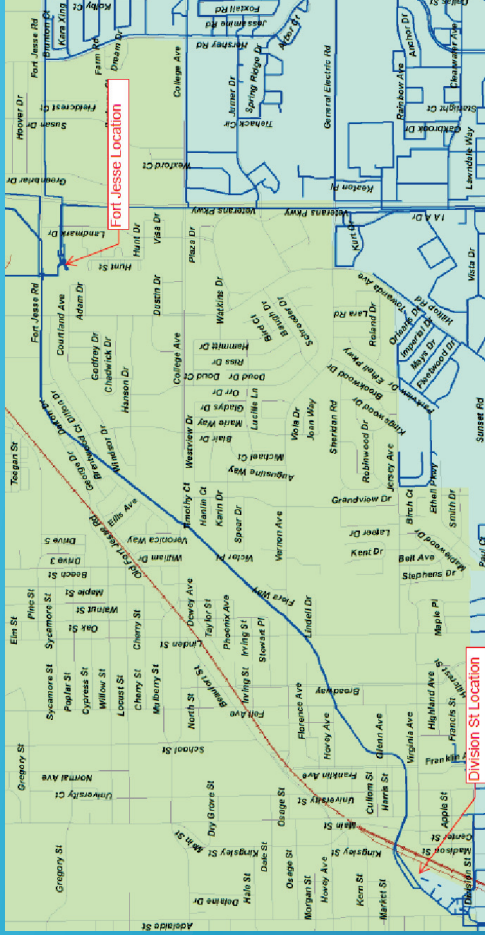


Eldorado Road

Citizens Subdivision,
Phase 1 and Phase 2

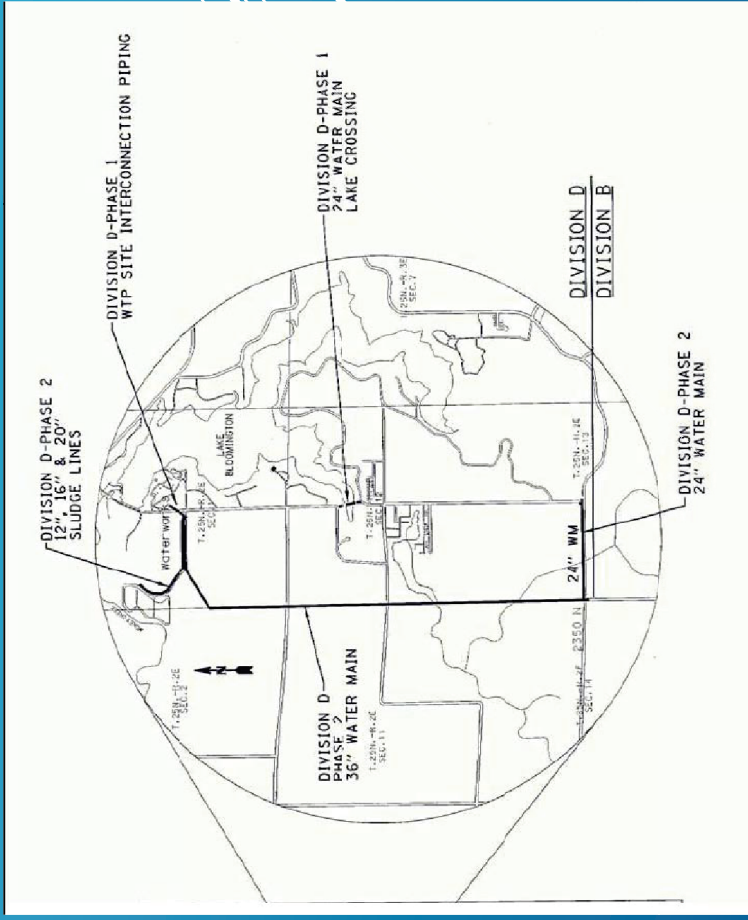
Transmission and Distribution – Transmission Mains

Pipeline Road – Division E
Pressure Valve Control Stations



Cast Iron Transmission
Main Lining

Pipeline Road – Division
D, Phase 2 – 36" Water
Main and Sludge Lines

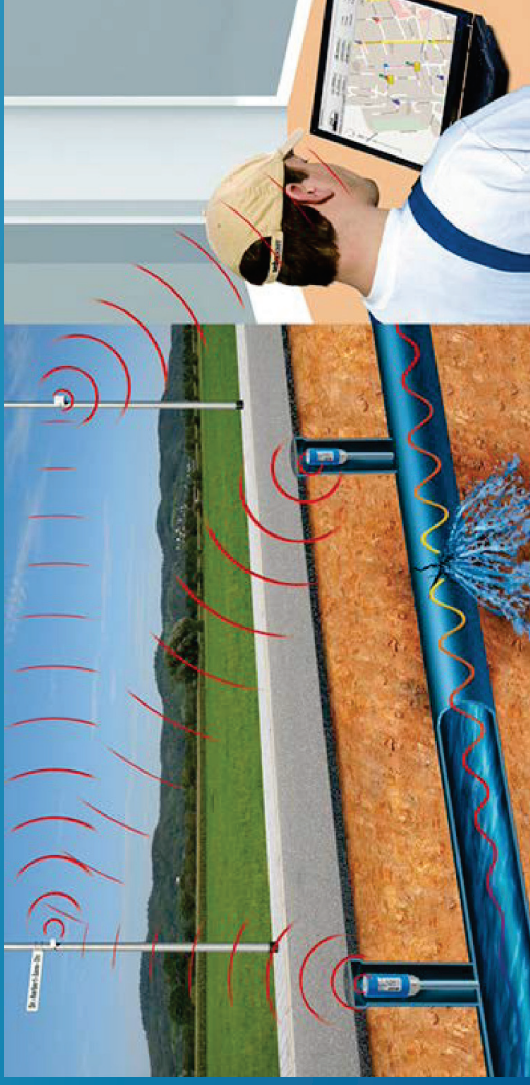


Approximate Transmission
System Total Length (GIS)

35-40 miles
of pipe

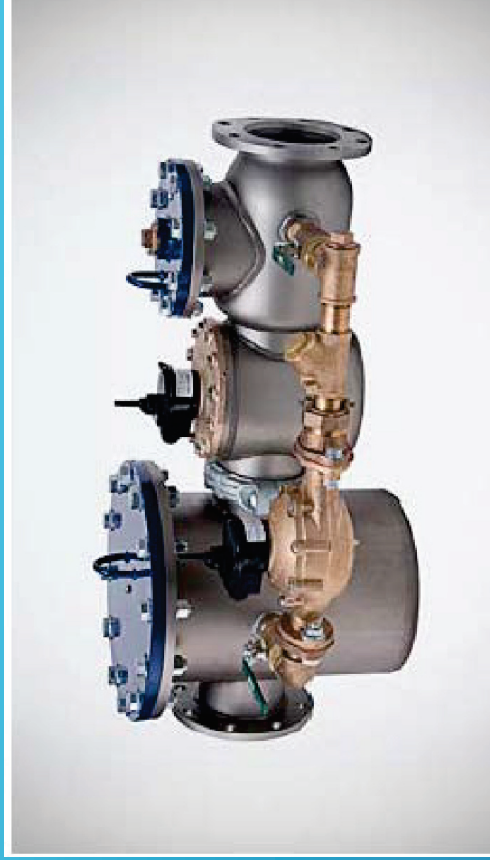
Transmission and Distribution – Storage and Leak Detection

Enterprise Zone Storage
Tank / Pump Station



Multi-Year Consultant Leak
Detection for Water Loss
Prevention

Meter Services



Compound Meter Upgrades



Residential Meter Replacement



Current Funding Partially Addresses Near-term Identified Needs

Water		Funding Secured & Not Secured									
In thousands of dollars (e.g., 1,000 = \$1 million)											
Category	Project Title	2017		2018		2019		2020		2021	
		Funding	Not Secured	Funding	Not Secured	Funding	Not Secured	Funding	Not Secured	Funding	Not Secured
Administration	Administrative Services										
	Administrative Services										
	Administrative Services										
	Administrative Services										
	Administrative Services										
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Infrastructure	Infrastructure										
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	Total										

Total Funded Water Projects 8,850,000

Total not Funded Water Projects 17,995,000



THANK YOU

Category: **Water**

Funding Status: **Funding Secured**

Project: **24 Inch Transmission Main Relocation at Shelbourne Drive**

Project Description: The Illinois Dept. of Transportation High Speed Rail (HSR) Project will be performing ditch work along the RR tracks where the City's water transmission main crosses the tracks. The transmission main is in place under the tracks and needs to be lowered.

Project Status: Per railroad, the City does not need to pay for this conflict, unless the railroad finds a permit for the mains. This just in case budget has been partially used in FY17 on other projects.
FY17 Funding Secured for design and construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120 - 70050 & 72540	\$ 330,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 330,000
Total	\$ 330,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 330,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

Map of the relocation area of the water main.



Category: **Water**

Funding Status: **Funding Partially Secured**

Project: **Cloud From McGregor To Vale Water Main Replacement**

Project Description: The water mains in the County Clerks Subdivision were constructed in the late 50's and are undersize. The water main is a 4 inch and is made of cast-iron and portions of the water services are made of lead. There have been numerous water main breaks in this subdivision in the last 5 years.

Project Status: This will be in conjunction with Public Works on a street resurfacing project. The "umbrella A&E contract" will go to Council Nov., 2016.
FY17 Funding Secured for Design
FY19 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 4d. Improved neighborhood infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 40,000	\$ 0	\$ 380,000	\$ 0	\$ 0	\$ 420,000
Total	\$ 40,000	\$ 0	\$ 380,000	\$ 0	\$ 0	\$ 420,000

Neighborhood: County Clerk's Subdivision

Ward: Ward 1

Photo (if applicable):

Aerial map of the County Clerk's Subdivision where the water mains are located.



Category: **Water**

Funding Status: **Funding Secured**

Project: **Electrical Conversion of Evergreen Pump Station**

Project Description: The existing 2400 volt infrastructure will be converted to a 480 volt system. The design will include replacement of components due to failure, end of useful life, age, inefficiencies and safety concerns.

Project Status: Finalizing Consultant Design Contract under "umbrella A&E contract" .
FY17 Funding Secured for Design
FY18 Funding Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2b. Quality water for the long term

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130 -70050 & 72620	\$ 75,000	\$ 500,000	\$ 0	\$ 0	\$ 0	\$ 575,000
Total	\$ 75,000	\$ 500,000	\$ 0	\$ 0	\$ 0	\$ 575,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

Evergreen Lake Pump Station



Category: **Water**

Funding Status: **Funding Partially Secured**

Project: **Fleetwood Subdivision Water Main Replacement**

Project Description: The water mains in the Fleetwood Subdivision were constructed in the late 50's. The water mains were made of cast-iron and have mechanical joints at each section of pipe. The water mains in this area have been the site of numerous water main breaks.

Project Status: This will be in conjunction with Public Works on a street resurfacing project. The "umbrella A&E contract" will go to Council Nov., 2016.
FY17 Funding Secured for Design
FY20 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 4d. Improved neighborhood infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 75,000	\$ 0	\$ 0	\$ 1,150,000	\$ 0	\$ 1,225,000
Total	\$ 75,000	\$ 0	\$ 0	\$ 1,150,000	\$ 0	\$ 1,225,000

Neighborhood: Fleetwood

Ward: Ward 5

Photo (if applicable):

Aerial map of the Fleetwood Subdivision where all the water mains are located.



Category: **Water**

Funding Status: **Funding Secured**

Project: **Lake Bloomington and Evergreen Lake Dam / Spillway Improvements**

Project Description: This project will complete the design and construction of various dam and spillway repairs and improvements to ensure the operational capability of the lakes. Construction timing requires reservoir level below spillway crest.

Project Status: Hanson Professional has started the design process under the Emergency Action Plan project.
FY17 Funding Secured for Design
FY18 Funding Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-70050 & 72620	\$ 25,000	\$ 275,000	\$ 0	\$ 0	\$ 0	\$ 300,000
Total	\$ 25,000	\$ 275,000	\$ 0	\$ 0	\$ 0	\$ 300,000

Neighborhood: Multiple

Ward: Multiple

Photo (if applicable):

Lake Bloomington spillway



Category: **Water**

Funding Status: **Funding Secured**

Project: **Lake Bloomington Fill Site Grading**

Project Description: The area downstream of the Lake Bloomington dam had been in use as a clean construction debris fill site for several years but is now closed to additional fill. This project will replace the grade, reshape, stabilize and revegetate the fill area downstream of the dam at Lake Bloomington.

Project Status: Waiting to see if the property can be re-zoned. If so, will use the "umbrella A&E contract" to start the project.
FY17 is Design and Construction.
FY17 Funding Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-72590	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000
Total	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000

Neighborhood: Multiple

Ward: Multiple

Photo (if applicable):

Area to be filled, reshaped and graded



Category: **Water**

Funding Status: **Funding Secured**

Project: **Multi-year Compound Meter Upgrades**

Project Description: Existing Meters are slow and usage / revenue is under accounted for. Replacing Compound Meters improves flow range detection and billing accuracy. Existing meter vaults will be replaced or retrofitted for proper access to the new meters for regular maintenance and to ensure safety.

Project Status: Entering second year of project.

FY17, FY18, FY19, FY20, & FY21 Funding Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2d. Well-designed, well-maintained City facilities emphasizing productivity and customer service

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100150 -70050 & 72620	\$ 200,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,400,000
Total	\$ 200,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,400,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

HP Protectus III S fire service meter, compound meter



Category: **Water**

Funding Status: **Funding Partially Secured**

Project: **Multi-year Outside Consultant Civil Engineering Services**

Project Description: The Water Department is utilizing outside consulting services to function as a full-time Water Department staff member. This project allows the City to show the viability of utilizing outside resources to staff Departments when project demands exceed City staffing capabilities.

Project Status: Currently there is a contract with Maurer Stutz, Inc. and engineering services are moving forward on capital maintenance projects.
FY17 & FY18 Funding Secured
FY19, FY20, & FY21 Funding Not Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2d. Well-designed, well-maintained City facilities emphasizing productivity and customer service

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100110 - 70050	\$ 285,000	\$ 288,500	\$ 297,200	\$ 306,100	\$ 315,300	\$ 1,492,100
Total	\$ 285,000	\$ 288,500	\$ 297,200	\$ 306,100	\$ 315,300	\$ 1,492,100

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):



Category: **Water**

Funding Status: **Funding Partially Secured**

Project: **Multi-year Reservoir Shoreline / Stream Erosion Control Improvements**

Project Description: This continues shoreline and stream stabilization work in the reservoirs and the tributary streams feeding them. The longevity of the drinking water reservoirs is extended, water quality is improved and fish and wildlife habitat is enhanced by these projects, partially funded by grants.

Project Status: Council memo for half of the work will be brought to Council in October 2016. The other half of the work will be done in the Spring 2017.
FY17 Funding Secured
FY18, FY19, FY20, FY21 Funding Not Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2b. Quality water for the long term

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130 -70050 & 72620	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000
Total	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

Shoreline Stabilization



Category: **Water**

Funding Status: **Funding Partially Secured**

Project: **SCADA Master Plan - Study / Design & Construction**

Project Description: A complete assessment of the condition of the assets in the Water Departments SCADA system will provide for an orderly analysis and ranking of SCADA infrastructure that needs to be repaired, rehabilitated or replaced as well as what software needs to be added to the system.

Project Status: Sending out RFQ.

FY17 Funding Secured for Planning / Design
FY18 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2c. Investing in the City's future through a realistic, funded capital improvement program

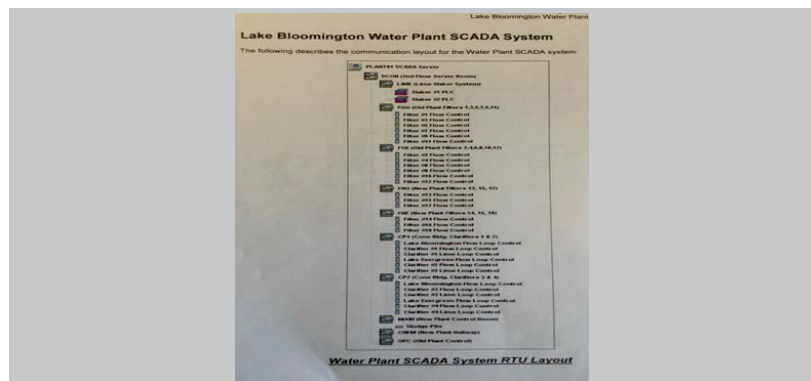
Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130 -70050 & 72620	\$ 300,000	\$ 1,500,000	\$ 0	\$ 0	\$ 0	\$ 1,800,000
Total	\$ 300,000	\$ 1,500,000	\$ 0	\$ 0	\$ 0	\$ 1,800,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Szarek Dr Water Main Replacement**

Project Description: The 6" cast iron water main in the Szarek's Subdivision was constructed in 1973. There have been numerous water main breaks in this road in the summer of 2016.

Project Status: The "umbrella A&E contract" will be used for the project.

FY17 Funding Not Secured for Design
FY18 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 4d. Improved neighborhood infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 35,000	\$ 330,000	\$ 0	\$ 0	\$ 0	\$ 365,000
Total	\$ 35,000	\$ 330,000	\$ 0	\$ 0	\$ 0	\$ 365,000

Neighborhood: Szarek's Subdivision

Ward: Ward 6

Photo (if applicable):

Aerial map of the Szarek's Subdivision where the water main is located.



Category: **Water**

Funding Status: **Funding Secured**

Project: **Water Department Infrastructure Master Plan**

Project Description: An Infrastructure Master Plan is needed to consolidate and establish the overall state of the water system. This master plan will provide guidance for future improvements, maintenance and operation of the system; provide efficient water service, and comply with EPA requirements.

Project Status: Currently preparing RFQ.

FY17 Funding Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2c. Investing in the City's future through a realistic, funded capital improvement program

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100110 - 70050	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000
Total	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

This study will provide a road map for needed maintenance and future improvements.



Category: **Water**

Funding Status: **Funding Secured**

Project: **WTP & Evergreen Lake Pump Station Arc Flash Study & Implementation**

Project Description: The NFPA 70E Standard for Electrical Safety in the Workplace requires the performance of an arc-flash hazard study in order to identify and specify the level of personal protective equipment required when working in and around arc-flash prone equipment.

Project Status: Finalizing Contract with Consultant.

FY17 Funding Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2d. Well-designed, well-maintained City facilities emphasizing productivity and customer service

Capital Costs

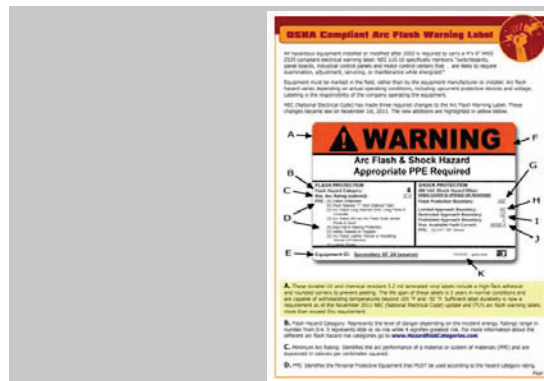
Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130 -70050	\$ 72,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 72,000
Total	\$ 72,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 72,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

Example arc-flash warning label.



Category: **Water**

Funding Status: **Funding Secured**

Project: **Water Treatment Plant Annex Building Roof Replacement**

Project Description: This project will replace the deteriorated roof of the Annex Building (aka Old Plant) at the Water Treatment Plant on Lake Bloomington. The building is still a valuable asset for the treatment plant campus, and houses the raw water pumps, a filter gallery, laboratory facilities, & more.

Project Status: This project will be bid in Spring 2017 and the funds will be encumbered to complete the project by September 2017.

FY17 Funding Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-72520	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 250,000
Total	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 250,000

Neighborhood: Multiple

Ward: Multiple

Photo (if applicable):

City Water Treatment Plant



Category: **Water**

Funding Status: **Funding Secured**

Project: **Water Treatment Plant Natural Gas Main Replacement**

Project Description: This project will replace the failed natural gas main feeding the Main Process Building at the Water Treatment Plant on Lake Bloomington. A leak in the main feeding the Main Process Building developed in January, 2015. A temporary fix is in place but needs a permanent replacement.

Project Status: Funding for this project is secured in the FY17 budget. This project will be bid in winter 2016/17 and construction will take place in Spring 2017.

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-72590	\$ 135,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 135,000
Total	\$ 135,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 135,000

Neighborhood: Multiple

Ward: Multiple

Photo (if applicable):

Temporary gas main



Category: **Water**

Funding Status: **Funding Secured**

Project: **Water Treatment Plant Recarbonation Bypass**

Project Description: The design will allow the Department to reconfigure the existing basins and address deficiencies in the softening residuals and clarifier blow down storage & conveyance. This project will address the capacity limitation at the existing basins and increase total treatment capabilities.

Project Status: Planning to use the "umbrella A&E contract" in November.

FY17 Funding Secured for Design
FY18 Funding Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2b. Quality water for the long term

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-70050 & 72590	\$ 45,000	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 395,000
Total	\$ 45,000	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 395,000

Neighborhood: Multiple

Ward: Multiple

Photo (if applicable):

Existing recarbonation basin.



Category: **Water**

Funding Status: **Funding Secured**

Project: **Water Treatment Plant - St. Peter Aquifer Groundwater Supply**

Project Description: The design and construction to develop a deep groundwater production well near the Lake Bloomington for a supplemental low nitrate water supply. It will reduce the need for ion exchange equipment for nitrate removal and will increase the reliable yield of overall water supply.

Project Status: Professional Services Contract with Baxter & Woodman, Inc. for Engineering Services related to the design of St. Peter Aquifer Water Supply Wells. Fall 2017 - design has started.
FY17 Funding Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2b. Quality water for the long term

Capital Costs

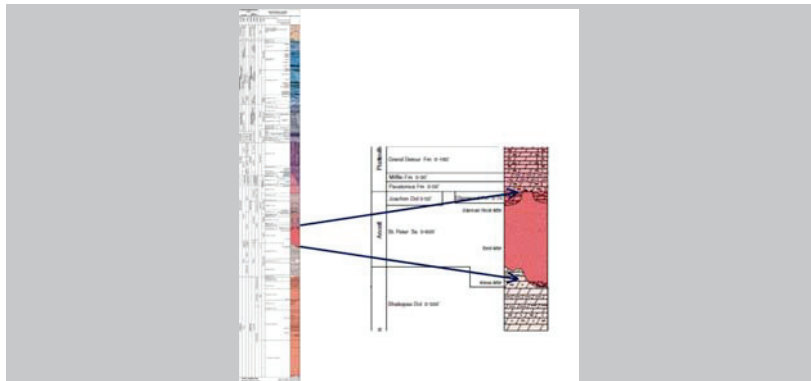
Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130 -72590	\$ 2,000,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,000,000
Total	\$ 2,000,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,000,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

St. Peter Sandstone



Category: **Water**

Funding Status: **Funding Secured**

Project: **Consultant Construction Administration Contract**

Project Description: Capital projects scheduled for construction in FY18 will require observation and inspection effort. The Water Department is not staffed sufficiently to support these required services. This capital project enables moving forward with other needed capital improvements.

Project Status: The "umbrella A&E contract" will be used for this project.

FY18 Funding Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100110 - 70050	\$ 0	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 250,000
Total	\$ 0	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 250,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):



Category: **Water**

Funding Status: **Funding Secured**

Project: **Lake Bloomington Water Main Replacement**

Project Description: The water main is 4 and 6 inch diameter cast-iron and portions of the water services are made of lead. There have been numerous water main breaks in this subdivision in the last 5 years.

Project Status:

FY16 Design is mostly complete.
FY18 Funding Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-72540	\$ 0	\$ 1,150,000	\$ 0	\$ 0	\$ 0	\$ 1,150,000
Total	\$ 0	\$ 1,150,000	\$ 0	\$ 0	\$ 0	\$ 1,150,000

Neighborhood: Potowatomie Camp, Lake Bloomington West side

Ward: N/A

Photo (if applicable):

*Aerial map of the Lake
Bloomington area where the water
mains are located.*



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Multi-Year Consultant Leak Detection for Water Loss Prevention**

Project Description: The Professional Services Consultant will perform Leak Detection Services in one quadrant of the City during each fiscal year from FY18-FY21. This will result in water loss prevention from repaired leaks and thus long term savings to the City.

Project Status: The RFQ process will be used for these Professional Services
FY18 - FY21 Funding Not Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 0	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000
Total	\$ 0	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Pipeline Rd - Division E - Pressure Valve Control Stations**

Project Description: The pressure valve control stations will be by Fort Jesse and Division Street reservoirs. This is to meet IEPA pressure requirements at all times and will improve the pressures on the transmission and distribution mains between the WTP and Bloomington and around Lake Bloomington.

Project Status: This project is high priority.

FY18 Funding Not Secured for Design
FY19 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72620	\$ 0	\$ 200,000	\$ 2,500,000	\$ 0	\$ 0	\$ 2,700,000
Total	\$ 0	\$ 200,000	\$ 2,500,000	\$ 0	\$ 0	\$ 2,700,000

Neighborhood: City Wide

Ward: N/A

Photo (if applicable):

GIS map of the approximate locations of the proposed pressure valve control stations.



Category: **Water**

Funding Status: **Funding Secured**

Project: **Water Treatment Plant Main Process Building Roof Replacement**

Project Description: This project will replace the deteriorated roof of the Main Process Building at the Water Treatment Plant on Lake Bloomington. This building houses the majority of the plant processes.

Project Status: This project will be bid in Spring 2018 and the funds will be encumbered to complete the project by September 2018.

FY18 Funding Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-72520	\$ 0	\$ 265,000	\$ 0	\$ 0	\$ 0	\$ 265,000
Total	\$ 0	\$ 265,000	\$ 0	\$ 0	\$ 0	\$ 265,000

Neighborhood: Multiple

Ward: Multiple

Photo (if applicable):

City Water Treatment Plant



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Division Pump Station Improvements**

Project Description: The existing 2400 volt infrastructure will be converted to a 480 volt system. The design will include replacement of components due to failure, end of useful life, age, inefficiencies and safety concerns.

Project Status: The "Umbrella A&E Contract" will be used for this project.

FY19 Funding Not Secured for Design
FY20 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2b. Quality water for the long term

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120 -70050 & 72620	\$ 0	\$ 0	\$ 150,000	\$ 1,450,000	\$ 0	\$ 1,600,000
Total	\$ 0	\$ 0	\$ 150,000	\$ 1,450,000	\$ 0	\$ 1,600,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

Division St. Pumps



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Evergreen Lake Dam Drain System Rehabilitation**

Project Description: The existing drain system, which was installed when the dam was built in 1971, is failing and needs to be replaced. The drains convey rain runoff away from the dam face to prevent erosion of the dam.

Project Status:

FY19 Funding Not Secured for Design
FY20 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-70050 & 72590	\$ 0	\$ 0	\$ 35,000	\$ 350,000	\$ 0	\$ 385,000
Total	\$ 0	\$ 0	\$ 35,000	\$ 350,000	\$ 0	\$ 385,000

Neighborhood: Multiple

Ward: Multiple

Photo (if applicable):

Evergreen Lake Spillway



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Lake Bloomington Sewerization**

Project Description: The septic system infrastructure installed on the leased lots at Lake Bloomington is reaching the end of their life expectancy and is starting to fail. Design and construction to provide sanitary sewer to the City owned lake lots and protect the lake water supply is required by EPA permitting.

Project Status: Water Dept 3.35m, Anticipate grants, SSA, user contribution of 13.4m
FY19 Funding Not Secured for Design
FY20 & FY21 Funding Not Secured for Land Purchases
FY23 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2c. Functional, well-maintained sewer collection system

Capital Costs

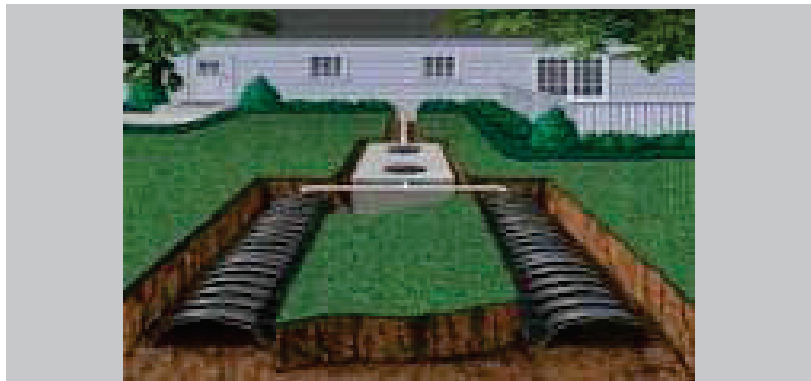
Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100110 - 70050 & 72550	\$ 0	\$ 0	\$ 150,000	\$ 100,000	\$ 100,000	\$ 3,350,000
Total	\$ 0	\$ 0	\$ 150,000	\$ 100,000	\$ 100,000	\$ 3,350,000

Neighborhood: Lake Bloomington

Ward: Multiple

Photo (if applicable):

Typical Existing Residential Leach Field.



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Peirce Avenue Water Main Replacement**

Project Description: The water main is a 6 inch diameter cast-iron and portions of the water services are made of lead. There have been numerous water main breaks in this subdivision in the last 5 years.

Project Status: This will be in conjunction with Public Works on a street resurfacing project.
FY16 Design is mostly complete.
FY19 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 4d. Improved neighborhood infrastructure

Capital Costs

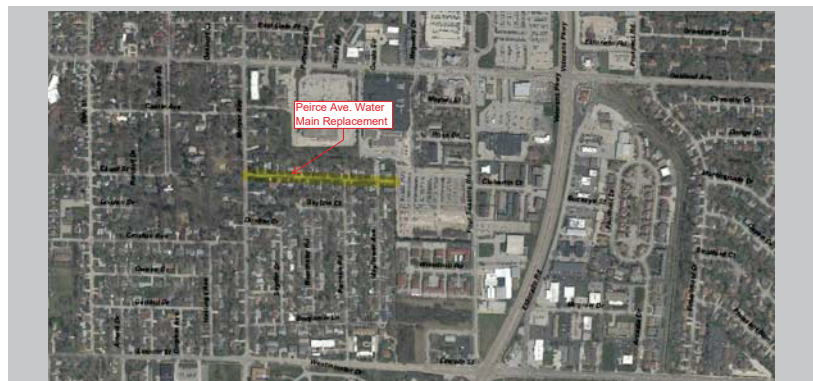
Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 0	\$ 0	\$ 375,000	\$ 0	\$ 0	\$ 375,000
Total	\$ 0	\$ 0	\$ 375,000	\$ 0	\$ 0	\$ 375,000

Neighborhood: Prairie Village Subdivision

Ward: Ward 1

Photo (if applicable):

*Aerial map of the Peirce Ave.
where the water main is located.*



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Pump Station Arc Flash Study & Implementation**

Project Description: The NFPA 70E Standard for Electrical Safety in the Workplace requires the performance of an arc-flash hazard study in order to identify and specify the level of personal protective equipment required when working in and around arc-flash prone equipment.

Project Status: Future Project to cover remaining, unstudied pump stations in Bloomington.

FY19 Funding Not Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2d. Well-designed, well-maintained City facilities emphasizing productivity and customer service

Capital Costs

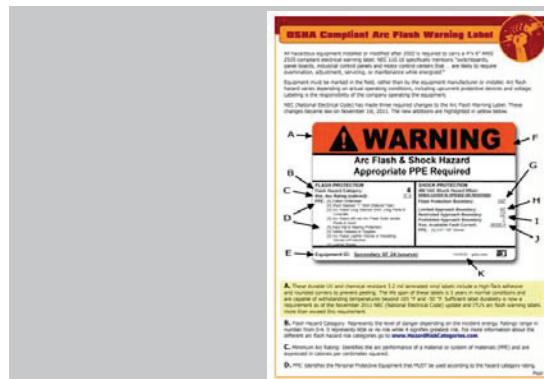
Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120 -70050	\$ 0	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 50,000
Total	\$ 0	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 50,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

Example arc-flash warning label.



Category: **Water**

Funding Status: **Funding Secured**

Project: **Water Department Rate Study**

Project Description: A Water Rate Study has not been performed in over a decade and the anticipated Capital Improvement Projects costs exceed the currently projected revenue. A Water Rate Study is necessary to compare with other municipalities and decide on fair rates to meet infrastructure needs.

Project Status: FY19 Funding Secured

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2c. Investing in the City's future through a realistic, funded capital improvement program

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100110 - 70050	\$ 0	\$ 0	\$ 125,000	\$ 0	\$ 0	\$ 125,000
Total	\$ 0	\$ 0	\$ 125,000	\$ 0	\$ 0	\$ 125,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Water Treatment Plant Main Process Building Boiler Replacement**

Project Description: This preventative maintenance project is to replace the original boilers installed at the 1987 plant that are beyond their life expectancy and becoming inefficient. Boilers at the old plant that were installed in 1987 have already failed and were replaced in FY17.

Project Status: Bloomington Facilities Management will oversee project.

FY19 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-72520	\$ 0	\$ 0	\$ 275,000	\$ 0	\$ 0	\$ 275,000
Total	\$ 0	\$ 0	\$ 275,000	\$ 0	\$ 0	\$ 275,000

Neighborhood: Multiple

Ward: Multiple

Photo (if applicable):

City Water Treatment Plant



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Water Treatment Plant Modifications - Groundwater**

Project Description: Continuation of the development of a deep groundwater production well and associated pretreatment and conveyance piping near the Lake Bloomington or other site if needed.

Project Status:

FY19 Funding Not Secured for Design
FY20 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2b. Quality water for the long term

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-70050 & 72590	\$ 0	\$ 0	\$ 150,000	\$ 1,000,000	\$ 0	\$ 1,150,000
Total	\$ 0	\$ 0	\$ 150,000	\$ 1,000,000	\$ 0	\$ 1,150,000

Neighborhood: Multiple

Ward: Multiple

Photo (if applicable):

Well drill



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Cast Iron Transmission Main Lining Project**

Project Description: The cast-iron water transmission main was constructed in the late 1920's. The City has experienced multiple issues with leaking joints on the main and the lining will help prevent the leaking. The main would be lined from Fort Jesse Pump Station to Division Street reservoirs.

Project Status:

FY20 Funding Not Secured for Design
FY21 & FY22 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

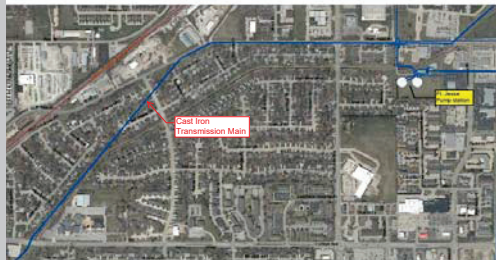
Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 0	\$ 0	\$ 0	\$ 250,000	\$ 2,000,000	\$ 4,250,000
Total	\$ 0	\$ 0	\$ 0	\$ 250,000	\$ 2,000,000	\$ 4,250,000

Neighborhood: City Wide

Ward: N/A

Photo (if applicable):

Aerial map of the part of Cast Iron Transmission Main where the water mains are located.



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Citizens Subdivision Water Main Replacement, Phase 1**

Project Description: The water mains were constructed in the late 40's and are undersized 2 & 4 inch diameter. They are made of cast-iron and have lead services. The water mains in this area have been the site of numerous water main breaks.

Project Status: This will be in conjunction with Public Works on a street resurfacing project. The "umbrella A&E contract" will be used for this project.
FY20 Funding Not Secured for Design
FY21 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 4d. Improved neighborhood infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 0	\$ 0	\$ 0	\$ 75,000	\$ 1,025,000	\$ 1,100,000
Total	\$ 0	\$ 0	\$ 0	\$ 75,000	\$ 1,025,000	\$ 1,100,000

Neighborhood: Citizens Subdivision

Ward: Ward 6

Photo (if applicable):

Aerial map of the Citizens Subdivision where all the water mains are located.



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Ireland Grove from Morrissey to Loop Water Main**

Project Description: The water mains in the State Farm South Subdivision were constructed in the late 60's. The water mains were made of cast-iron. The water mains in this area have been the site of numerous water main breaks.

Project Status: This will be in conjunction with Public Works on a street resurfacing project. The "umbrella A&E contract" will be used.
FY20 Funding Not Secured for Design
FY21 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 4d. Improved neighborhood infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 650,000	\$ 700,000
Total	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 650,000	\$ 700,000

Neighborhood: State Farm South Subdivision

Ward: Ward 1

Photo (if applicable):

Aerial map of the State Farm South Subdivision where all the water mains are located.



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Lake Destratifier Units Replacement**

Project Description: This preventative maintenance project is to replace the destratifier units at both Lake Bloomington and Evergreen Lake. It is time to replace them because they have been deteriorating and requiring excessive maintenance. They are needed to reduce nitrates in raw water intakes.

Project Status:

FY20 Funding Not Secured for Design
FY21 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-72590	\$ 0	\$ 0	\$ 0	\$ 25,000	\$ 200,000	\$ 225,000
Total	\$ 0	\$ 0	\$ 0	\$ 25,000	\$ 200,000	\$ 225,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

Lake surface above destratifiers



Category: **Water**

Funding Status: **Funding Secured**

Project: **Oak and Stewart Water Main Replacement**

Project Description: The water main is a 6 inch diameter cast-iron and portions of the water services are made of lead. There have been numerous water main breaks in this subdivision in the last 5 years.

Project Status: This will be in conjunction with Public Works on a street resurfacing project.
FY16 Design is mostly complete.
FY20 Funding Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 4d. Improved neighborhood infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 100,000
Total	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 100,000

Neighborhood: Davis Subdivision and McClurg Et Al Subdivision

Ward: Ward 1

Photo (if applicable):

Aerial map of the Oak and Stewart area where the water main is located.



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Citizens Subdivision Water Main Replacement, Phase 2**

Project Description: The water mains were constructed in the late 40's and are undersized 2 & 4 inch diameter. They are made of cast-iron and have lead services. The water mains in this area have been the site of numerous breaks.

Project Status: This will be in conjunction with Public Works on a street resurfacing project. The "umbrella A&E contract" will be used for this project.
FY21 Funding Not Secured for Design
FY22 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 4d. Improved neighborhood infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 0	\$ 0	\$ 0	\$ 0	\$ 75,000	\$ 1,100,000
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 75,000	\$ 1,100,000

Neighborhood: Citizens Subdivision

Ward: Ward 6

Photo (if applicable):

Aerial map of the Citizens Subdivision where all the water mains are located.



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Finished Water Reservoirs Rehabilitation**

Project Description: This preventative maintenance project is to assess the condition of the finished water reservoirs for any repairs and to complete the repairs, as well as paint interior and exterior of the structures. These reservoirs include 2 tanks at Fort Jesse, 2 at Division St, and Hamilton Tank.

Project Status: Budget \$1mil/yr in out years for repairing and painting 1 reservoir / year.

FY21 Funding Not Secured for Inspection / Design

FY22-FY26 Funding Not Secured for Construction Repairs and Painting

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120 -70050 & 72620	\$ 0	\$ 0	\$ 0	\$ 0	\$ 200,000	\$ 5,200,000
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 200,000	\$ 5,200,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

Hamilton Tank



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Gridley Street from Oakland to Jackson Water Main Replacement**

Project Description: The water mains in the Evans Subdivision were constructed in the late 50's and are undersize. The water main is a 4 inch and is made of cast-iron and portions of the water services are made of lead. There have been numerous water main breaks in this subdivision in the last 5 years.

Project Status: This will be in conjunction with Public Works on a street resurfacing project. The "umbrella A&E contract" will be used for the project.
FY21 Funding Not Secured for Design
FY22 Funding Not Secured for Construction

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 4d. Improved neighborhood infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 0	\$ 0	\$ 0	\$ 0	\$ 25,000	\$ 275,000
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 25,000	\$ 275,000

Neighborhood: Evans Subdivision

Ward: Ward 1

Photo (if applicable):

Aerial map of the Evans Subdivision where the water main is located.



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Raw Water Intake Inspection and Repairs**

Project Description: This preventative maintenance project is to inspect the condition of the raw water intake structures in both Lake Bloomington and Evergreen Lake to assess the need for any repairs and to complete the repairs.

Project Status:

FY21 Funding Not Secured for Inspection / Design
FY22 Funding Not Secured for Construction Repairs

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-72590	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 250,000
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000	\$ 250,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

Destratifiers location above raw water intake.



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Electrical and Building Improvements at Water Treatment Plant**

Project Description: The existing 2400 volt infrastructure will be converted to a 480 volt system. The design will include replacement of components due to failure, end of useful life, age, inefficiencies and safety concerns. This will also allow for larger plant capacity due to reduced electrical usage.

Project Status: Future Project
FY22 Funding Not Secured for Design, \$200,000
FY23 Funding Not Secured for Construction, 2,000,000

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2b. Quality water for the long term

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130 -70050 & 72620	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,200,000
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,200,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

Water Treatment Plant



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Hamilton Tank Valve Reconstruction**

Project Description: The existing check valve is broken and not operating correctly. Structural Engineering design is required to be able to remove the existing 24" valve and Civil Engineering design to replace the valve and / or piping.

Project Status: Future Project
FY23 Funding Not Secured for Design, \$30,000
FY24 Funding Not Secured for Construction, \$150,000

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2b. Quality water for the long term

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120 -70050 & 72620	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 180,000
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 180,000

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):

Hamilton Tank



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Water Treatment Plant Emergency Ion Exchange**

Project Description: This is part of a multiple method approach to reduce our system's vulnerability to nitrates. This final method will install a chemical treatment process at the water plant to chemically remove nitrates. The need for this system and the size depends on the success of other projects.

Project Status:

FY23 Funding Not Secured for Design, \$150,000
FY24 Funding Not Secured for Construction \$1,350,000

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 2b. Quality water for the long term

Capital Costs

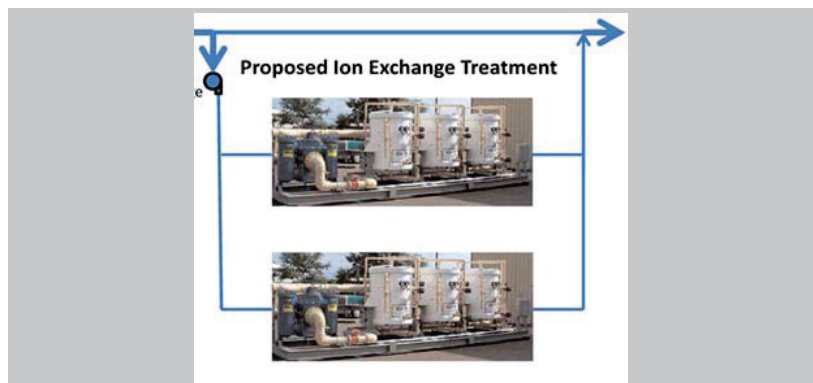
Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-70050 & 72590	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,500,000
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,500,000

Neighborhood: Multiple

Ward: Multiple

Photo (if applicable):

Example Ion Exchange Treatment



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Water Treatment Plant Blower Building and Old Plant Filter Modifications**

Project Description: The blower building addition will allow air scour cleaning of the filters. This project will extend the filter life and increase plant capacity on the Annex Building (Old Plant) filters by replacing the underdrain system with gravel-less underdrains and replacing the filter media.

Project Status: This decision to proceed or not on this project will be dependent on the FY18 Master Planning Study recommendations.
FY25 Funding Not Secured Design, \$300,000
FY26 Funding Not Secured Construction, \$4,000,000

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100130-70050 & 72590	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,300,000
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,300,000

Neighborhood: Multiple

Ward: Multiple

Photo (if applicable):

Current Water Plant filter



Category: **Water**

Funding Status: **Funding Not Secured**

Project: **Pipeline Rd - Division D - Phase 2 - 36" Water Main and Sludge Lines**

Project Description: The final approximate 2.5 miles of 36" main will complete the Pipeline Road transmission main project began in 1998 to improve pressures and capacities on the transmission mains between the WTP and Bloomington. It will also fully retire the 1929 leaking 24" cast iron main.

Project Status: Final sizing and timing for project is dependent on FY18 Master Planning Study.
FY26 Funding Not Secured Design, \$400,000
FY27 Funding Not Secured Construction, \$5,000,000

Strategic Plan Link: 2. Upgrade City infrastructure and facilities

Strategic Plan Significance: 5a. Well-planned City with necessary services and infrastructure

Capital Costs

Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 & 72540	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,400,000
Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,400,000

Neighborhood: City Wide

Ward: N/A

Photo (if applicable):

Approximate location of Division D - Phase 2 final mains to complete Pipeline Rd project.

