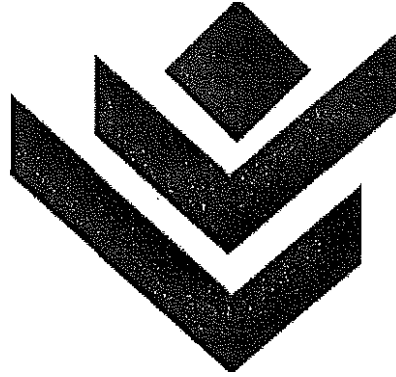




**CITY OF  
BLOOMINGTON  
COMMITTEE OF THE  
WHOLE MEETING  
NOVEMBER 21, 2016**

# 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**

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**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

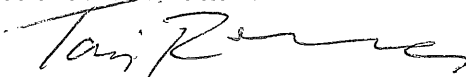
Values: Service-centered, results-driven, inclusive.

**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



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Cherry L. Lawson, City Clerk



## 2015 Strategic Plan Goals

<b>Goal</b>	<b>1. Financially Sound City Providing Quality Basic Services</b>
Objective	<ol style="list-style-type: none"><li>Budget with adequate resources to support defined services and level of services</li><li>Reserves consistent with city policies</li><li>Engaged residents that are well informed and involved in an open governance process</li><li>City services delivered in the most cost-effective, efficient manner</li><li>Partnering with others for the most cost-effective service delivery</li></ol>
<b>Goal</b>	<b>2. Upgrade City Infrastructure and Facilities</b>
Objective	<ol style="list-style-type: none"><li>Better quality roads and sidewalks</li><li>Quality water for the long term</li><li>Functional, well maintained sewer collection system</li><li>Well-designed, well maintained City facilities emphasizing productivity and customer service</li><li>Investing in the City's future through a realistic, funded capital improvement program</li></ol>
<b>Goal</b>	<b>3. Grow the Local Economy</b>
Objective	<ol style="list-style-type: none"><li>Retention and growth of current local businesses</li><li>Attraction of new targeted businesses that are the "right" fit for Bloomington</li><li>Revitalization of older commercial homes</li><li>Expanded retail businesses</li><li>Strong working relationship among the City, businesses, economic development organizations</li></ol>
<b>Goal</b>	<b>4. Strong Neighborhoods</b>
Objective	<ol style="list-style-type: none"><li>Residents feeling safe in their homes and neighborhoods</li><li>Upgraded quality of older housing stock</li><li>Preservation of property/home valuations</li><li>Improved neighborhood infrastructure</li><li>Strong partnership with residents and neighborhood associations</li><li>Residents increasingly sharing/taking responsibility for their homes and neighborhoods</li></ol>
<b>Goal</b>	<b>5. Great Place – Livable, Sustainable City</b>
Objective	<ol style="list-style-type: none"><li>Well-planned City with necessary services and infrastructure</li><li>City decisions consistent with plans and policies</li><li>Incorporation of "Green Sustainable" concepts into City's development and plans</li><li>Appropriate leisure and recreational opportunities responding to the needs of residents</li><li>More attractive city: commercial areas and neighborhoods</li></ol>
<b>Goal</b>	<b>6. Prosperous Downtown Bloomington</b>
Objective	<ol style="list-style-type: none"><li>More beautiful, clean Downtown area</li><li>Downtown Vision and Plan used to guide development, redevelopment and investments</li><li>Downtown becoming a community and regional destination</li><li>Healthy adjacent neighborhoods linked to Downtown</li><li>Preservation of historic buildings</li></ol>



**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 101 program.

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Date

Mayor Tari Renner

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**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

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**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 101 program.

---

Date

Mayor Tari Renner

---



# CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**SARAH PHILOS**

For participation in the Bloomington 101 program.

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Date

Mayor Tari Renner

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**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

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**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

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**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

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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**

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Tari Renner, Mayor

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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.

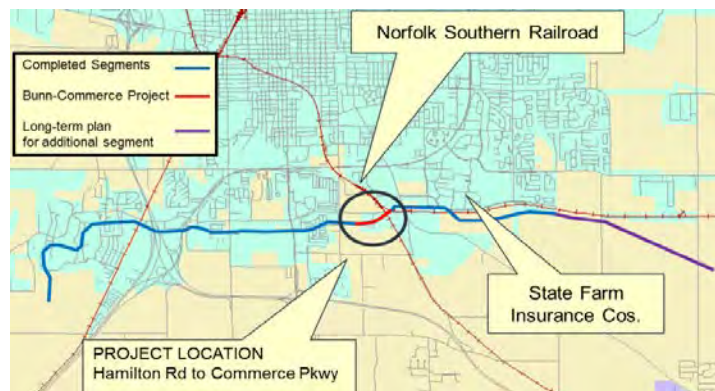
**BACKGROUND:** City staff is discussing two projects for the One Voice advocacy program taking place March 22-24, 2017 and will recommend applying to the Bloomington-Normal Economic Development Council on behalf of the City of Bloomington to advocate for this work.

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			



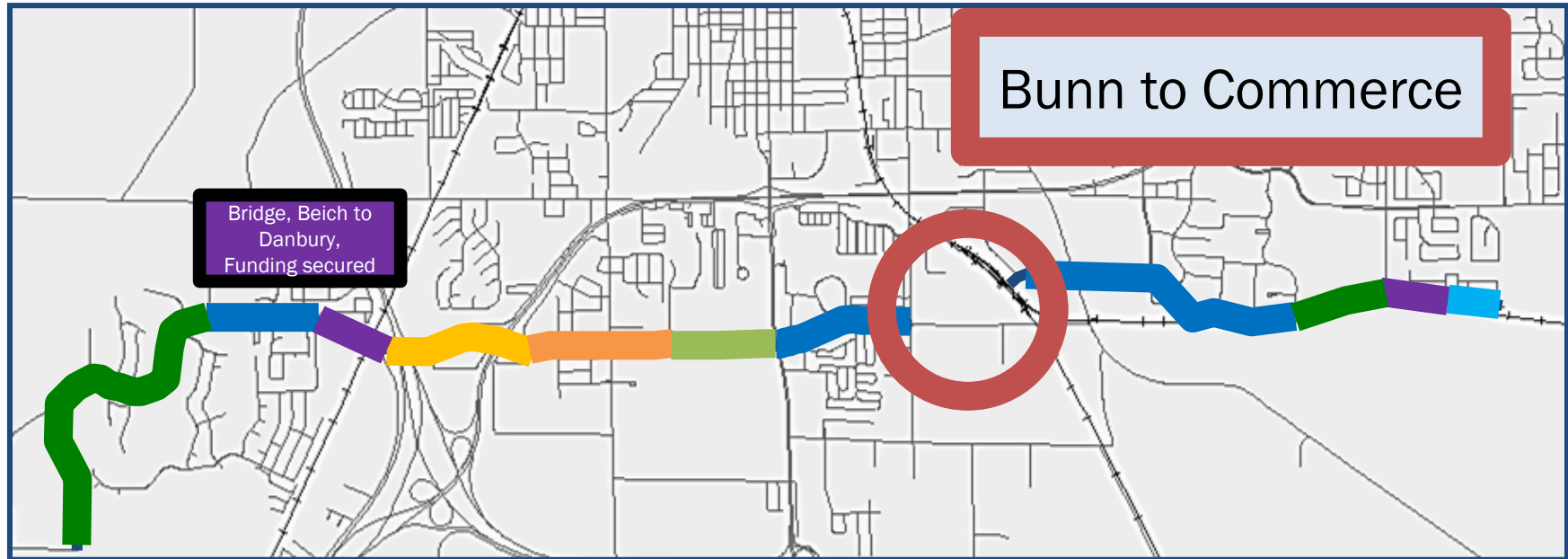
# Hamilton Gap & Main Street/US 51 Corridor

Bloomington City Council Committee of the Whole

November 21, 2016

# Hamilton Gap Project

- Needed to complete east-west arterial across south Bloomington

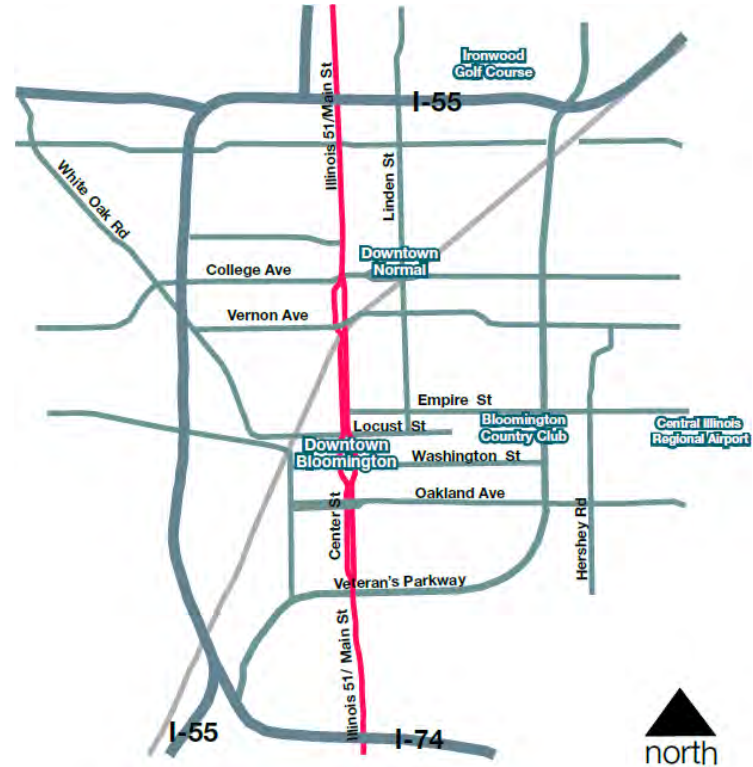


# Main Street/US 51 Corridor

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



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



<b>IDOT Main Street Corridor preliminary estimates</b>	
<b>PROJECT ELEMENTS</b>	<b>PROJECT COSTS</b>
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
<b>CONSTRUCTION SUBTOTAL</b>	<b>\$15,168,420</b>
Mobilization	\$798,421
Traffic Control	\$800,000
Contingency %	\$1,233,159
<b>CONSTRUCTION TOTAL</b>	<b>\$18,000,000</b>
Utilities Adjustment	\$500,000
Land Acquisition - Relocations	\$1,500,000
<b>PROGRAM COST</b>	<b>\$20,000,000</b>
(Const. Cost + Contingency + Utilities + Land Ac)	
Preliminary Engineering	\$3,000,000
Construction Engineering	\$500,000
<b>TOTAL PROJECT COST</b>	<b>\$23,500,000</b>
<b>(Prog. Cost + Engineering)</b>	
<b>State Match</b>	<b>\$7,043,752</b>
<b>City of Bloomington - Local Match</b>	<b>\$1,515,412</b>
<b>Town of Normal - Local Match</b>	<b>\$540,836</b>
<b>Requested TIGER Funds</b>	<b>\$14,400,000</b>
<b>Percent Local/State Match</b>	<b>39%</b>

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



**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

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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



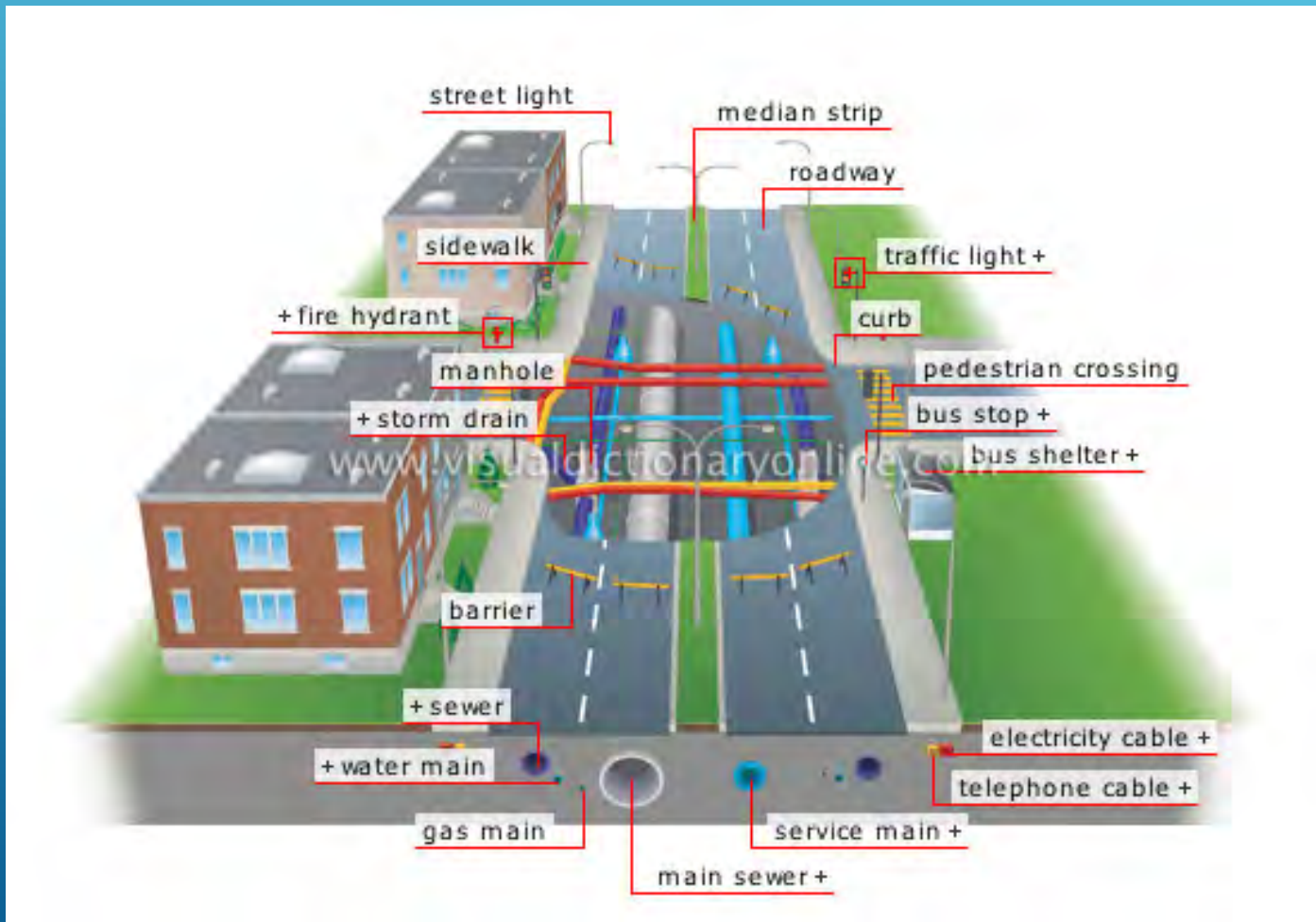
The Water Department is an Enterprise fund that robustly serves our Customers by functioning under a series of divisions.

- ▶ 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

Water Rate Study





# Department Administration – Project Management



Multi-Year Outside  
Consultant Services

Consultant Construction  
Administration

Lake Bloomington Sewerization

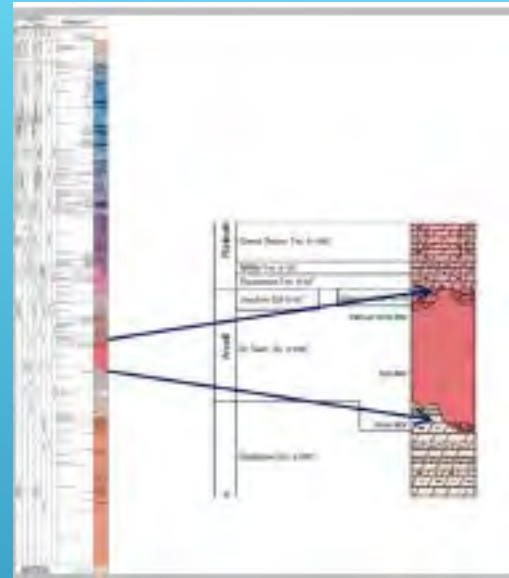


# Water Supply and Future Planning

## St. Peter Aquifer Ground Water Supply



Southwest Well Field



## Groundwater Pre-treatment Piping and Modifications

### Emergency Ion Exchange



# 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



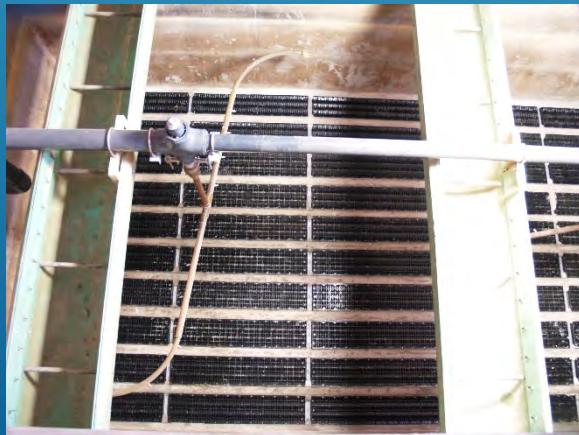


# Water Treatment Operations – Plant Improvements

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

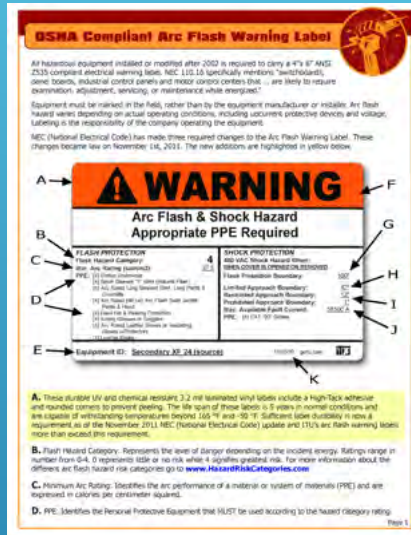
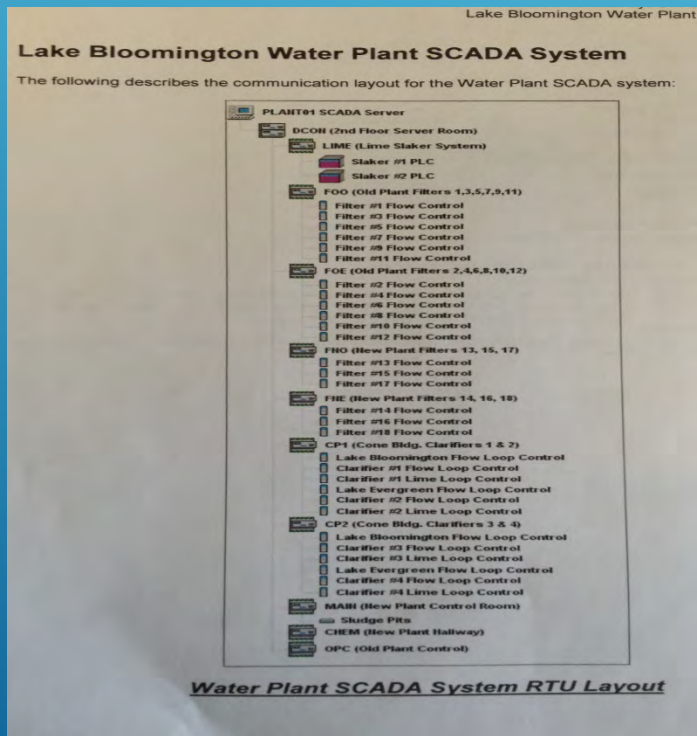


Division Street Pump  
Station Improvements



# Mechanical Maintenance & Storage

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



## Pump Stations - Arc Flash Study and Implementation



## SCADA Master Plan and Implementation

2015 EDITION

# NFPA 70E

## STANDARD

### FOR ELECTRICAL SAFETY IN THE WORKPLACE

ONLINE NFPA 70E PERMITS TOOL INCLUDED - SEE INSERT FOR DETAILS.

NFPA nfc

### PPE Category Level Chart 2015

Category	Required PPE
1	Arc-Rated Clothing, Minimum Arc Rating of 4 cal/cm <sup>2</sup> Arc-rated long-sleeve shirt and pants or arc rated coverall Arc-rated face shield or arc flash suit hood Arc-rated jacket, parka, rainwear, or hard hat liner (AFL) Hard hat Safety glasses or safety goggles (SR) Hearing protection (ear canal inserts) Heavy duty leather gloves and leather footwear (AN)
2	Arc-Rated Clothing, Minimum Arc Rating of 8 cal/cm <sup>2</sup> Arc-rated long-sleeve shirt and pants or arc rated coverall Arc-rated flash suit hood or arc-rated face shield and arc rated balaclava Arc-rated jacket, parka, rainwear, or hard hat liner (AN) Hard hat Safety glasses or safety goggles (SR) Hearing protection (ear canal inserts) Heavy duty leather gloves and leather footwear (AN)
3	Arc-Rated Clothing Selected so That the System Arc Rating Meets the Required Minimum Arc Rating of 25 cal/cm <sup>2</sup> Arc-rated long-sleeve shirt (AR) and arc-rated pants (AP) Arc-rated coverall (AR) and arc-rated flash suit jacket (AR) Arc-rated arc flash suit pants (AP) and arc-rated arc flash suit hood Arc-rated gloves, arc-rated jacket, parka, rainwear, or hard hat liner (AN) Hard Hat, Safety glasses or safety goggles (SR) Hearing protection (ear canal inserts) Leather footwear (AN)
4	Arc-Rated Clothing Selected so That the System Arc Rating Meets the Required Minimum Arc Rating of 40 cal/cm <sup>2</sup> Arc-rated long-sleeve shirt (AR) and arc-rated pants (AP) Arc-rated coverall (AR) and arc-rated flash suit jacket (AR) Arc-rated arc flash suit pants (AP) and arc-rated arc flash suit hood Arc-rated gloves, arc-rated jacket, parka, rainwear, or hard hat liner (AN) Hard Hat, Safety glasses or safety goggles (SR) Hearing protection (ear canal inserts) Leather footwear

AR: arc-rated (optional); AP: arc-rated; SR: Snellen required; NFPA 70E 2015 Table 130.7(C)(1)(b) Personal Protective Equipment (PPE)

# Mechanical Maintenance & Storage



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



Hamilton Tank Valve Reconstruction

## Raw Water Intake Inspection and Repairs



Lake Destratifier Units Replacement



# Transmission and Distribution – Water Main Replacement



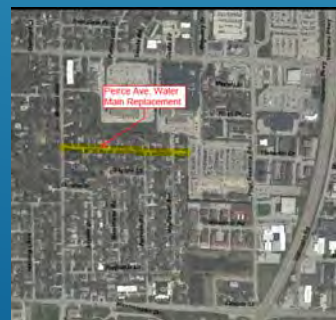
Lake Bloomington



Szarek Drive



Cloud from McGregor to Vale



Fleetwood Subdivision



Peirce Avenue



# Transmission and Distribution – Water Main Replacement



Gridley Street

Approximate Distribution System Total Length (GIS)	350-400 miles of pipe
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Eldorado Road



Elm and McArthur

Citizens Subdivision,  
Phase 1 and Phase 2

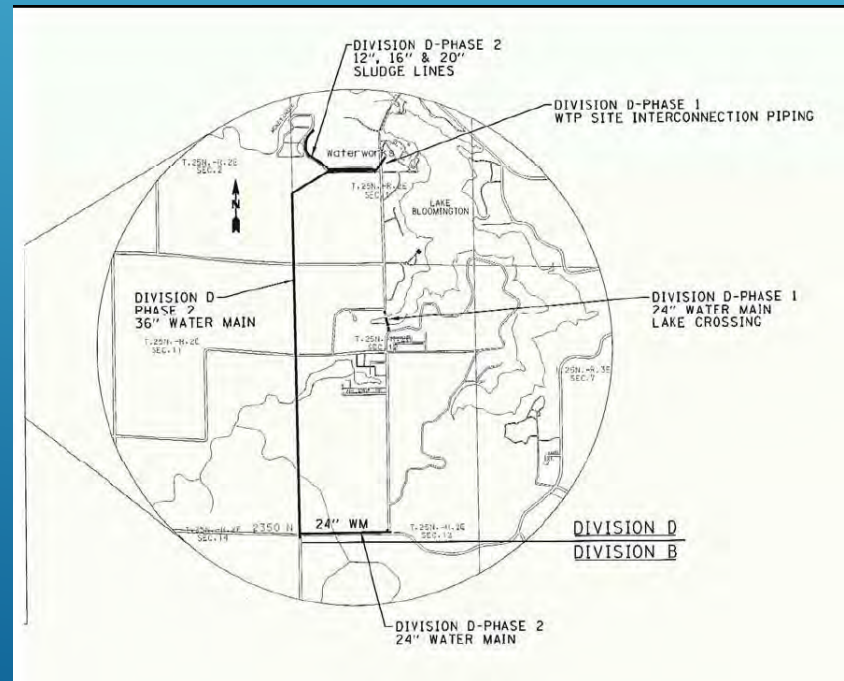
# Transmission and Distribution – Transmission Mains

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

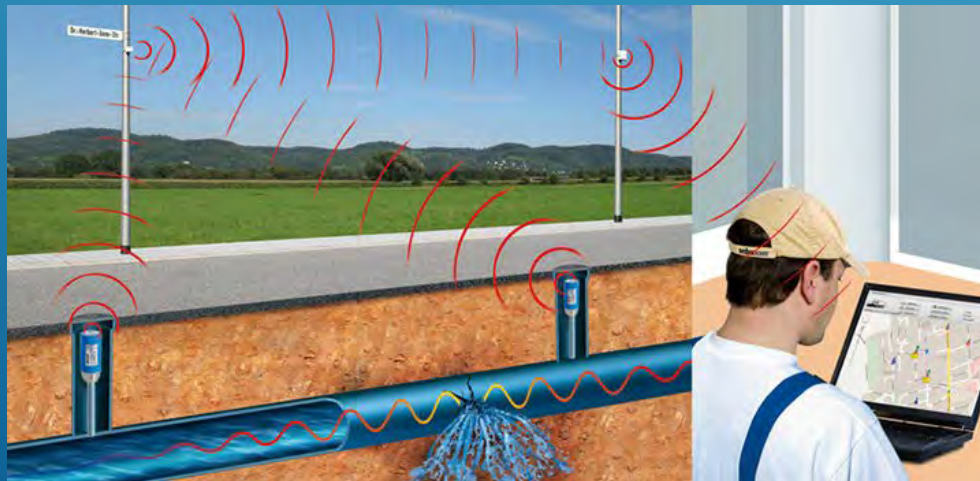


Approximate Transmission System Total Length (GIS)	35-40 miles of pipe
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# Transmission and Distribution – Storage and Leak Detection

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))			2027	2028	2029	2030	2031	Total	
<b>Technology</b>									
Administration	Multi-year Outside Consultant Civil Engineering Services	Funding Secured	200	200				400	
	Multi-year Outside Consultant Civil Engineering Services	Funding not Secured			200	200	200	600	
	Water Department Information Systems Plan	Funding Secured	500					500	
	Water Department Information Systems - Design - Information systems, ISA, user interface	Funding not Secured			750			750	
	Water Department Information Systems - Design - Information systems, ISA, user interface	Funding not Secured					400	400	
Water Department Data Tools	Funding Secured			120			120		
<b>Administration Secured Total</b>			700	200	120			1,020	
<b>Administration not Secured Total</b>					200	200	200	600	
<b>Water Services</b>									
Water Services	Multi-year Commercial Water Supplies	Funding Secured	200	200				400	
	Multi-year Commercial Water Supplies	Funding not Secured			200	200	200	600	
<b>Water Services Secured Total</b>			200	200				400	
<b>Water Services not Secured Total</b>					200	200	200	600	
<b>Mechanical Maintenance</b>									
Mechanical Maintenance	ICADR Machine Train - Study/Design	Funding Secured	500					500	
	ICADR Machine Train - Construction	Funding not Secured		1,400				1,400	
	Clinton Street Pump Station Improvements - Design	Funding Secured	60					60	
	Clinton Street Pump Station Improvements - Construction	Funding not Secured		750				750	
	Water Treatment Plant & Lake Forebay Pump Station Air Flow Study & Field Implementation	Funding Secured	50					50	
	Water Treatment Plant & Lake Forebay Pump Station Air Flow Field Construction of the Emergency Pump Station	Funding Secured	70					70	
	Water Treatment Plant & Lake Forebay Pump Station Construction	Funding Secured	700					700	
	Pump Station Air Flow Study and Field Implementation	Funding not Secured		60				60	
	Northon Tank Water Replacement - Design	Funding not Secured			20			20	
	Northon Tank Water Replacement - Construction	Funding not Secured				150		150	
	Reactor & Building Improvements at the Water Treatment Plant - Design	Funding not Secured				200		200	
	Reactor & Building Improvements at the Water Treatment Plant - Construction	Funding not Secured				2,490		2,490	
	<b>Mechanical Maintenance Secured Total</b>			470	700				1,170
<b>Mechanical Maintenance not Secured Total</b>					750	300	2,000	3,050	
<b>Purification</b>									
Purification	MTP Brownwater - Construction	Funding Secured	2,000	1,950				3,950	
	MTP Brownwater Monitoring System System Upgrade Implementation	Funding Secured	200	200				400	
	Water Treatment Plant Replacement System - Design	Funding Secured	20					20	
	Water Treatment Plant Replacement System - Construction	Funding Secured		200				200	
	City Water Treatment Plant Roof Replacement	Funding Secured	200					200	
	National Gas Meth Replacement at Main Process Building	Funding Secured	120					120	
	Water Treatment Plant Filter Upgrade - Design	Funding Secured	200					200	
	Replacement of Ceiling at Lake Bromington - Design	Funding Secured	20					20	
	Water Treatment Plant FO Area Safety Upgrade Construction	Funding Secured	600					600	
	MTP Modifications/Brownwater - Design	Funding not Secured			100			100	
	MTP Modifications/Brownwater - Construction	Funding not Secured				1,200		1,200	
	Replacement of Ceiling at Lake Bromington - Construction	Funding Secured		200				200	
	Replace the Draft System at Lake Forebay - Lake Forebay Design	Funding not Secured		60				60	
	Replace the Draft System at Lake Forebay - Lake Forebay Construction	Funding not Secured				700		700	
	Water Treatment Plant Filter Upgrade - Construction	Funding Secured		1,400				1,400	
	MTP Process Building Solar Replacement	Funding not Secured		60				60	
	MTP Process Building Solar Replacement	Funding not Secured			200			200	
	MTP Brownwater Air Pollution - Design	Funding not Secured				100		100	
	MTP Brownwater Air Pollution - Construction	Funding not Secured				1,500		1,500	
	<b>Purification Secured Total</b>			3,200	2,200				5,400
	<b>Purification not Secured Total</b>					600	1,900	1,900	3,500
	<b>Distribution</b>								
	Distribution	Palmdale Drive Reservoir and May City Water Main - Design	Funding Secured	50					50
Clow from Midrange to 5th Water Main Replacement - Design		Funding Secured	20					20	
5th Water Main Replacement at Salsburg Drive job Cost/AG		Funding Secured	500					500	
Lumber to 4th Street Ave and Drive in Galena Water Main - Design		Funding not Secured		20				20	
Lumber to 4th Street Ave and Drive in Galena Water Main - Construction		Funding not Secured				2,000		2,000	
Lumber to Magnesian Drive in Galena Water Main - Replacement - Design		Funding not Secured		20				20	
Lumber to Magnesian Drive in Galena Water Main - Replacement - Construction		Funding not Secured				20		20	
Water Service to 5th Street to 5th Street to 5th Street - Design		Funding not Secured		20				20	
Water Service to 5th Street to 5th Street to 5th Street - Construction		Funding not Secured		500				500	
Palmdale Drive Reservoir and May City Water Main - Construction		Funding not Secured		1,000				1,000	
Clow from Midrange to 5th Water Main Replacement - Construction		Funding not Secured			600			600	
Lake Bromington Water Main Replacement - Construction		Funding Secured		400				400	
5th Street Water Main Replacement - Construction		Funding Secured		500				500	
Lumber to Magnesian Drive in Galena Water Main - Replacement - Construction		Funding not Secured				1,000		1,000	
Clow from Palmdale Drive to 5th Street - Design		Funding not Secured		20				20	
Clow from Palmdale Drive to 5th Street to 5th Street - Construction		Funding not Secured				600		600	
Clinton Street Water Main Replacement - Design		Funding not Secured		20				20	
Clinton Street Water Main Replacement - Construction		Funding not Secured				120		120	
Palmdale Drive Reservoir - Study/Design		Funding not Secured				2,000		2,000	
Clow from Palmdale Drive to 5th Street - Construction		Funding not Secured				1,000		1,000	
Clinton Street Water Main Replacement - Construction		Funding not Secured				20		20	
<b>Distribution Secured Total</b>				420	500				920
<b>Distribution not Secured Total</b>						670	2,720	2,000	5,390
<b>Total Funded Water Projects</b>			4,020	3,360				7,380	
<b>Total not Funded Water Projects</b>				3,400	5,480	5,300	3,600	17,880	
<b>TOTAL ALL WATER PROJECTS</b>			4,020	6,760	5,480	5,300	3,600	25,240	

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
<b>Total</b>	\$ 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
<b>Total</b>	\$ 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
<b>Total</b>	\$ 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

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#### 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
<b>Total</b>	\$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
<b>Total</b>	\$ 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
<b>Total</b>	\$ 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
<b>Total</b>	\$ 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

<b>Fund</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>Total</b>
50100110 - 70050	\$ 285,000	\$ 288,500	\$ 297,200	\$ 306,100	\$ 315,300	\$ 1,492,100
<b>Total</b>	\$ 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
<b>Total</b>	\$ 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 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
<b>Total</b>	\$ 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: 2e. 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
<b>Total</b>	\$ 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
<b>Total</b>	\$ 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
<b>Total</b>	\$ 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
<b>Total</b>	\$ 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

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#### 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
<b>Total</b>	\$ 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

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#### Capital Costs

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

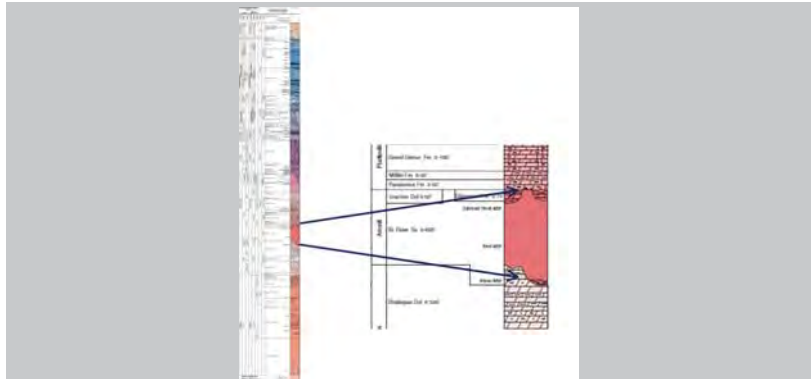
---

**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

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#### Capital Costs

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

---

Neighborhood: City Wide

Ward: Multiple

Photo (if applicable):





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

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#### Capital Costs

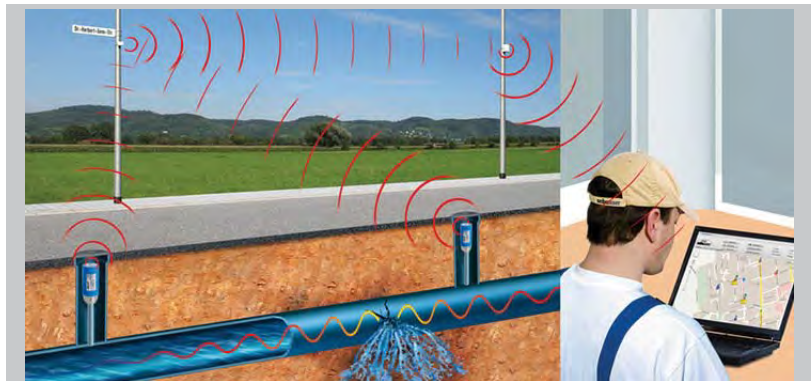
Fund	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
50100120-70050 &72540	\$0	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000
<b>Total</b>	\$0	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000

---

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
<b>Total</b>	\$ 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

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#### Capital Costs

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

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#### 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
<b>Total</b>	\$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
<b>Total</b>	\$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
<b>Total</b>	\$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
<b>Total</b>	\$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
<b>Total</b>	\$ 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: 2e. Investing in the City's future through a realistic, funded capital improvement program

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#### Capital Costs

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

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#### Capital Costs

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

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#### 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
<b>Total</b>	\$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

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### 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
<b>Total</b>	\$0	\$0	\$0	\$250,000	\$2,000,000	\$4,250,000

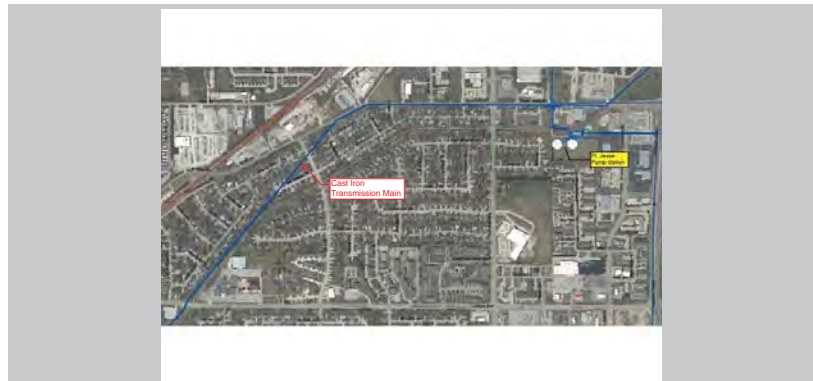
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**Neighborhood:** City Wide

**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
<b>Total</b>	\$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
<b>Total</b>	\$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

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#### Capital Costs

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

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**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

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#### 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
<b>Total</b>	\$0	\$0	\$0	\$100,000	\$0	\$100,000

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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
<b>Total</b>	\$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

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#### 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
<b>Total</b>	\$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

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#### 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
<b>Total</b>	\$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

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#### Capital Costs

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

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#### 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
<b>Total</b>	\$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

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#### Capital Costs

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

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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

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**Capital Costs**

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

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**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

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### 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
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$4,300,000

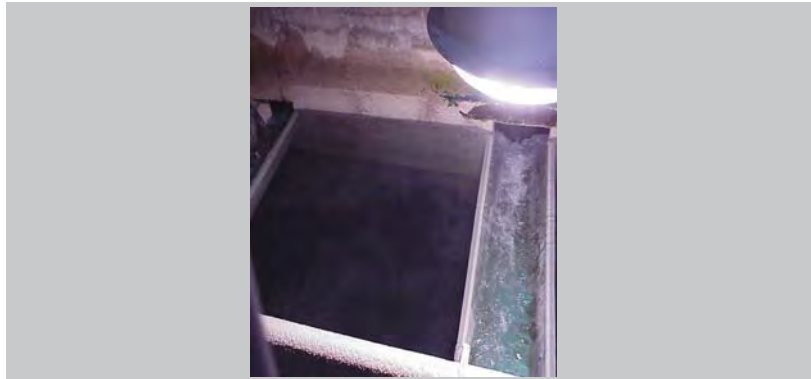
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**Neighborhood:** Multiple

**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
<b>Total</b>	\$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.*

