CITY OF CLOQUET
City Council Agenda
Wednesday, August 8, 2018
7:00 p.m.
City Hall Council Chambers

CITY COUNCIL WORK SESSION – 5:30 p.m.

- City Hall Summer Hours Update
- Northwoods Arena Update
- CIP / Budget Review

1. **Roll Call**

2. **Pledge of Allegiance**

3. **Approval of Agenda**

   a. Approval of August 8, 2018 Council Agenda

4. **Approval of Council Minutes**

   a. Work Session Minutes from the July 17, 2018 meeting
   b. Regular Council Minutes from the July 17, 2018 meeting

5. **Consent Agenda**
   Items in the Consent Agenda are considered routine and will be approved with one motion without discussion/debate. The Mayor will ask if any Council members wish to remove an item. If no items are to be removed, the Mayor will then ask for a motion to approve the Consent Agenda.

   a. Resolution No. 18-55, Authorizing the Payment of Bills and Payroll
   b. Update of Purchasing Policy / Competitive Bidding Requirements
   c. Participation in Towards Zero Deaths (TZD) Grant
   d. Alcohol Sales at Northwoods Arena

6. **Public Hearings**

   None.

7. **Presentations**

   a. Police Officer's Oath of Office (Brett Reinsch, Larry Sherk, Ben LaFave, Zack Sandstrom)

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Wednesday, August 8, 2018
7:00 p.m.
City Hall Council Chambers

8. **Council Business**

   a. Special Meeting for Election Canvassing Results
   b. Animal Control Ordinance Update
   c. Police Sergeant Appointments
   d. Arch Street Area Change Order No. 1
   e. Dunlap Island /Broadway Street Change Order No. 3

9. **Public Comments**

   Please give your name, address, and your concern or comments. Visitors may share their concerns with the City Council on any issue, which is not already on the agenda. Each person will have 3 minutes to speak. The Mayor reserves the right to limit an individual's presentation if it becomes redundant, repetitive, irrelevant, or overly argumentative. All comments will be taken under advisement by the Council. No action will be taken at this time.

10. **Closed Meeting**

    a. Closed Session, Pursuant to Minnesota Statutes Section 13D.05, Subd. 3(c), to discuss the asking price and to consider offers for the sale of the present City Hall property, with an address of 1307 Cloquet Avenue, Cloquet, Minnesota, and legally described as Lots 1-4, Block 3, Subdivision of outlot 42, Carlton County, Minnesota.

11. **Council Comments, Announcements, and Updates**

12. **Adjournment**

CLOQUET

ADMINISTRATIVE OFFICES
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REQUEST FOR COUNCIL ACTION

To: Honorable Mayor and City Council
From: Aaron S. Reeves, City Administrator
Date: August 8, 2018

ITEM DESCRIPTION: Summer Hours Update

Proposed Action
Discuss status of summer hours.

Background/Overview
A month into the new summer hours we have not had any complaints at City Hall and it appears to be working well for citizens to be able to come in earlier or later than usual. Unless the Council has had complaints, I would recommend we continue for the rest of the summer.

Supporting Documentation Attached

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REQUEST FOR COUNCIL ACTION

To:	Honorable Mayor and City Council
From:	Aaron S. Reeves, City Administrator
Date:	August 8, 2018

ITEM DESCRIPTION: Ice Arena Discussion

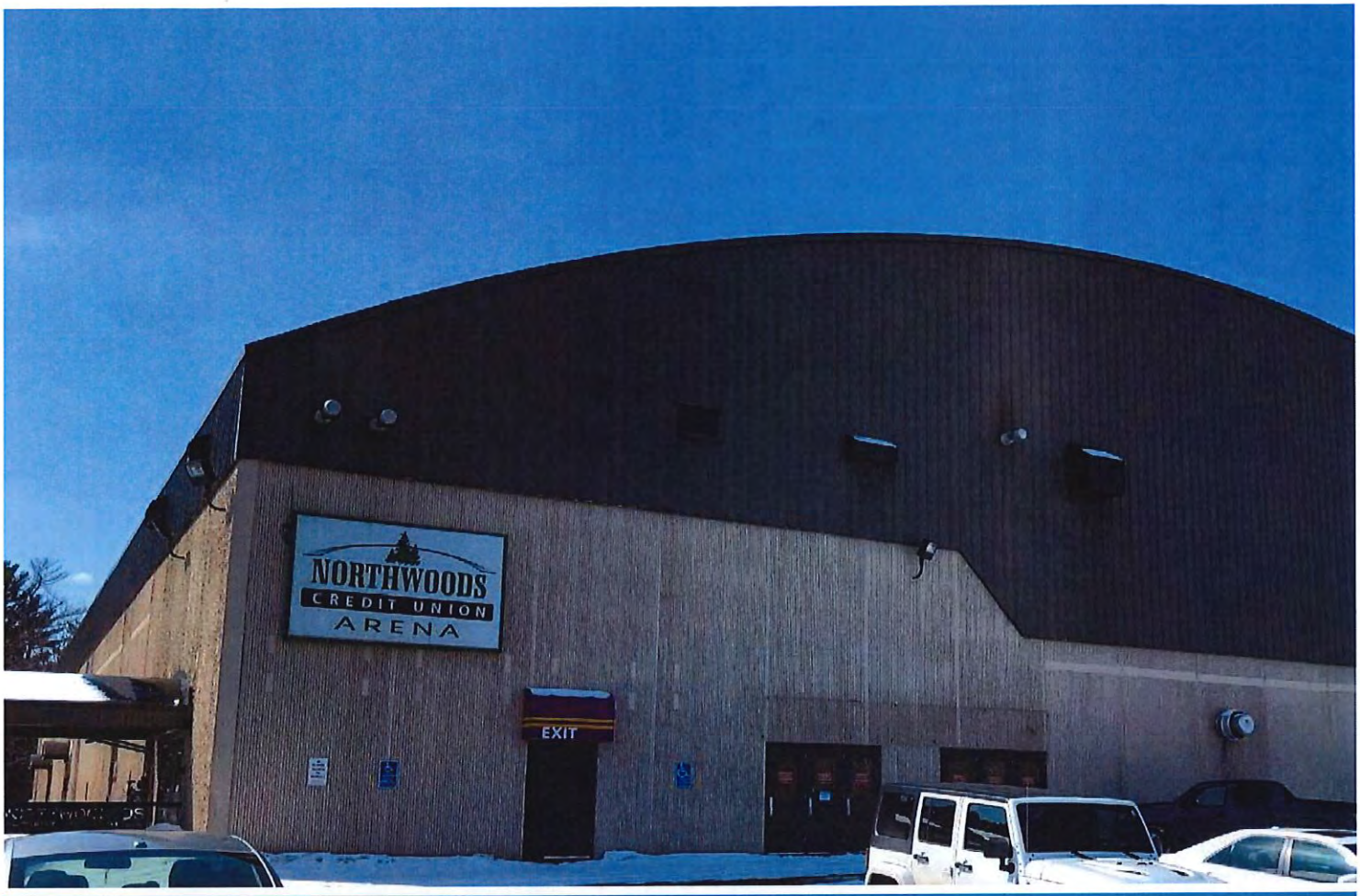
Proposed Action
Discuss how to move forward with the ice arena.

Background/Overview
The City had SEH do a facility review of the ice arena to identify needed repairs. A number of items where identified that need to be done over the coming years. I have been working with CAHA on what makes sense for the long-term maintenance and upkeep of the arena. At this time I would like to bring the Council up to speed on those conversations and get direction on how to proceed. As I see it the options are:

- Take over the ownership and maintenance responsibilities of the arena and continue with CAHA handling the operations. This is my recommendation at this time.
- Take over the ownership and maintenance of the arena and also the operations.
- Do nothing, allow CAHA to remain as owner/operator and provide funding as requested and available for repairs.

The biggest concern I have is that the proper upkeep and repairs are made to the facility to make sure it can continue to operate as a community asset for a long time. Once I receive more direction from Council I can work with CAHA to finalize moving forward with whatever option is chosen.

Supporting Documentation Attached
- Building Condition Assessment



Building Condition Assessment

Northwoods Credit Union Arena (NCUA)

Cloquet, Minnesota

CLOQU 145773 | June 13, 2018

SEH

Building a Better World for All of Us®

Engineers | Architects | Planners | Scientists

Contents

Contents (continued)

Building Condition Assessment

Northwoods Credit Union Arena (NCUA)

Prepared for City of Cloquet, Minnesota

1 Assessment Introduction

The City contracted with Short Elliott Hendrickson, Inc. (SEH) to perform a comprehensive facility condition assessment of Northwoods Credit Union Arena Facility. This assessment and report will serve as a planning document identifying building system deficiencies along with recommended and prioritized improvements, and estimates of probable cost. The following facility condition assessment focuses on major building systems including:

- Structural foundation, floor slabs, bearing walls and roof structure
- Life safety systems including emergency egress and fire detection/notification
- Exterior building shell including walls, roofing, doors and windows.
- Mechanical Heating, Ventilation and Air Conditioning (HVAC) systems.
- Electrical power and lighting systems
- Ice refrigeration and dasher board systems.
- Building accessibility
- Site features including parking lots, drive aisles, sidewalks and site amenities.

1.1 Building Survey

The building was visually inspected on April 4, 2018 by staff experienced in civil, architectural, structural, mechanical, electrical and ice systems. The review focused on major building systems and current code deficiencies. Each deficiency has been classified and prioritized into five different categories (priority 1-5). They have been assigned a priority based on their significance and likelihood to cause further damage, affect the usefulness of the facility or pose a life safety issue to the building and the building occupants. Below is a description of each priority.

Exterior View

1.2 Priorities

1.2.1 Priority One: Immediate Concerns

Should be undertaken immediately, including violations of life safety and building codes.

1.2.2 Priority Two: Short Term Concerns (1 - 2 years)

Should be corrected in the near future to maintain the integrity of the building, including systems which are functioning improperly or not at all and problems that, if not addressed, will cause additional deterioration.

1.2.3 Priority Three: Long Term Concerns (3 - 5 years)

Should be corrected in the more distant future to maintain the integrity of the building, including systems that have exceeded their expected useful life but are still functioning.

1.2.4 Priority Four: Improvements (5+ years)

Required or desirable to allow the facility to perform as it should, including systems upgrades and aesthetic issues.

1.2.5 Priority Five: New Code Requirements

Do not conform to codes instituted since the construction of the building and are therefore grandfathered in their existing condition. These should be addressed in any major renovation or remodeling effort, if not before.

Building Condition Assessment
Northwoods Credit Union Arena
1102 Olympic Drive
Cloquet, MN

Building Description

Building Size: 53,000 Square Feet (total of two floors)

Number of Stories: 2

Year Built: 1996

2 Site

2.1 Observations

The site is accessed primarily from the north via Olympic Drive coming off of Armory Road. A secondary access exists west of the site following a different section of Olympic Drive from Armory Road. The primary north access is paved, and the lesser used west access is a gravel roadway. The site is open to the public year round with no gates or other means of restricting access. The Pine Valley recreation area adjoins the site along the south and shares the same access points. This is also true of City Well #8.

As the site's traffic is based on peak events only, with negligible regular traffic, the existing access is sufficient and no improvements are recommended at this time. Based on the site review, it also appears the site is designed and constructed sufficiently for building operations such as vehicle maintenance and trash hauling.

If future expansion of the site is warranted based on use changes, it should be noted that significant wetlands exist around the perimeter of the site which would prove challenging to expand the site footprint. It should also be noted that no stormwater controls exist at the site, and

any major work at the site would warrant stormwater treatment under the City's stormwater ordinance. Also, any future building structures or additions would likely need to be constructed on deep foundations, similar to the existing arena.

2.1.1 Pavements & Striping

The existing pavement is in fair condition and shows some cracking and evidence of maintenance. It is recommended that the City seal existing cracks and assess the pavement condition on a biannual basis. It is anticipated that a bituminous overlay will be required in 5-10 years.

Cracked Parking Lot Pavement

The parking layout is generally controlled by a series of signs either embedded in the pavement section or installed inside circular concrete planters to signify parking rows and access aisles. Based on conversations with City staff, the area fills to capacity during major events and utilizes offsite overflow parking with the nearby Pine Tree Plaza. This is not uncommon with arenas and there has not been a need identified to create additional parking. The existing striping at the site is worn and is, with limited visibility, generally not seen to hold any value. It is recommended that the City restripe the parking area to better define drive aisles, handicapped parking areas, and other features to maximize the efficiency of the lot layout. It should be noted that this striping will not negate the need for signage indicating the parking areas due to the lot frequently being covered in snow during times of use. Signage at the site is in fair condition and will likely require replacement in 5-10 years.

Cracked Parking Lot Pavement

2.1.1.1 Recommendations

- Restripe Lot on a 5-year cycle
- Replace signage on a 7-year cycle
- Complete preventative maintenance on the pavement and seal cracks every 5 years.
- Parking Lot Overlay

2.2 Lighting

There are a series of lights along the access road which may be owned by the utility company. These lights provide perimeter lighting at the site, but do not provide significant light within the parking area. During the site visit, there were no comments from the staff related to lighting levels outside the building. Additional light could be added at the City's discretion, but this is item that could be addressed should a need be determined.

2.3 Sanitary Lift Station

The City owns and operates a sanitary lift station at the site which serves the NCUA facility. As part of upcoming improvements at the water treatment plant, modifications are being completed in the area which would allow for a gravity sewer to be constructed to the west which would allow

the City to consolidate the lift stations in the area. However, operational costs of the existing lift station are relatively low and with the lift station not being particularly disruptive to the use of the site, this improvement would be most appropriately addressed when major upgrades are required to the onsite lift station (such as pump replacement) or when alternate improvements are planned (such as reconstructing and paving Olympic Drive to the west which is not within the City's current capital improvement planning).

2.4 Site Utility Services

With the site's utility services being relatively new and providing an appropriate level of service, it is expected the utility services will not require major investment in the next 10 years.

3 Building Envelope

3.1 Exterior Walls

Exterior walls are constructed of non-load-bearing insulated precast concrete wall panels. The wall panels are in fair condition with some minor surface cracking present. Wall panels have various thicknesses and heights and it was noted by City staff during the site visit that several of the panels were surplus from another local project resulting in a combination of new and existing panels being used. The upper portion of the exterior walls and gable ends of the building are clad in pre-finished metal siding panels. The metal panels appear to be in good condition and functioning properly.

Aged Joint Sealant

3.1.1 Observations

- The exterior wall surfaces have accumulated dirt and staining from age and exposure to the exterior elements. Power washing the facility will prevent permanent staining and improve the overall appearance.
- Hairline cracking is apparent in the exterior surface of many precast wall panels around the perimeter of the building. While the prestressing strands present in precast panels apply tension to the concrete and help keep these cracks tight, in time atmospheric moisture exposure will cause degradation of the panels. In our opinion the medium term maintenance plan for the facility should include painting the entire exterior to protect the panels. If severe cracking is observed, sealing of the cracks prior to painting may be advisable.
- Precast panel openings were cut into the panels after fabrication resulting in cut overruns horizontally and vertically, creating a path for cracking. Around the perimeter of the building most, if not all, of the exterior doors appear to be cut similarly with cut overrun in each direction. This construction technique is inadvisable and may lead to ongoing crack propagation.

Overcut Door Openings

- Exterior precast wall panel and door frame joint sealant is becoming aged and deteriorating. Exterior sealants should be replaced, inspected and maintained on a regular basis.
- Panels are different thickness in many locations around doors which results in an offset of 1" to 1 ½" in the panel face. We understand that this is a result of the construction of the building utilizing panels salvaged from another project as well as new panels.
- Anchor brackets at overhead door to Zamboni room do not appear to have all anchors installed and brackets may not have been appropriately designed for panel dead load and roof tributary loads. The brackets appear to have been _____

3.1.2 Recommendations

- Power wash the entire exterior of the building to remove dirt and stains. We would recommend coordinating this with the re-painting work noted below.
- Paint the entire exterior of the facility to protect the panels. If severe cracking is observed, sealing of the cracks prior to painting may be advisable.
- The precast panel interior and exterior wall thicknesses are minimal. Therefore, the cut-overrun in these locations may compromise the capacity of the panels over time, especially as cracks migrate from the overruns. We recommend adding supplemental steel brackets on at least the inside edges of all doors where cut overruns are present (most exterior doors). Brackets will need to be engineered and custom fabricated and fit to field conditions. Bracket installation may require removal of the inside face shell at some height above the opening and grouting of the core similar to grouting of a masonry core
- Replace exterior joint sealants. It is recommended that this be coordinated with exterior painting work.
- We recommend installing supplemental connection plates above the Zamboni room overhead door and a continuous steel tie plate at the top of the opening for reinforcement.
- Repair spalled panels in the vicinity of the Zamboni room.

Overhead Door Opening

3.2 Exterior Doors

Existing exterior doors consist entirely of steel doors and frames throughout the facility. In general the doors appear to be in fair condition and are operating as expected. It appears that the site paving around the building has settled creating a tripping hazard at exterior doors. Exterior stoops are not present at doors resulting in a slight step down at many of the doors.

Trip Hazard at Main Entry

3.2.1 Observations

- The main building entry door has a significant step of greater than 1-inch at the exterior side of the threshold. This poses a significant tripping hazard as this is the main door the general public uses to enter and exit the facility.
- Exterior door finishes should be regularly maintained and replaced as needed to prevent corrosion. A few of the doors show signs of corrosion but with regularly scheduled maintenance this should not become a significant issue.

3.2.2 Recommendations

- Provide exterior stoop at main building entry/exits. These stoops should be tied into the existing structural foundation systems to prevent future settlement.
- Consider installing exterior stoops at all exterior doors to reduce tripping hazards.
- Provide regular maintenance of door finishes and hardware including weather stripping to prevent deterioration of existing doors and frames.

3.3 Roofing

The roofing system consists of a single-ply membrane over insulation which is supported by tongue and groove wood decking. The roof was not accessible during our site visit but it is our understanding from staff that it is original to the building. According to staff there are no significant leak issues at this time and the roofing is functioning adequately. The roofing systems are believed to have passed their expected service life of 20-years and replacement is likely needed in the near future. We recommend having a visual review of the roof membrane completed by a roofing contractor or consultant to verify conditions prior to replacement work being completed. There are also significant issues with falling snow and ice off of the barrel vault roof posing a safety concern. Installation of snow guards or a retention system is recommended.

3.3.1 Observations

- There is a significant issue with falling snow, ice and melting water coming of the roof edges. A snow retention system may help reduce the safety concerns. Especially in the vicinity of the entry and public access routes.
- General visual observation of the membrane from a distance suggests the membrane is original to the building construction although there was no significant deterioration noted.
- Based on a review of the original construction drawings the roof has 3-inches of rigid foam insulation. When a building re-roof takes place the insulation thickness should be reviewed and increased, if possible, to improve thermal performance.

- The existing membrane is black which will increase heat gain in summer months and may contribute to falling snow issues. Consideration should be given to a reflective, light or white colored roofing system in the future.

3.3.2 Recommendations

There are several options available to the City for dealing with the roofing systems. We have identified the following three options as the most practical and cost effective solutions.

- Option 1: Engage in yearly maintenance and inspection by a roofing contractor or roofing consultant to identify issues and corrective measures before they become significant. With regular maintenance the expected life span of the roof will be increased.
- Option 2: Replacement of the existing roof membrane only. Replacement of the membrane only and salvaging the existing insulation systems in place may be an option. This option is dependent on how the existing roofing systems have been installed. If the membrane has been adhered to the insulation it may not be an option to salvage the existing insulation. Additional investigation would be required if this option was selected.
- Option 3: Complete roof replacement. This option would include removing and replacing the existing roof membrane and insulation systems down to the structural deck. This option gives the City the most energy efficient and long lasting roof system of the three options. It allows for an increase in the insulation thickness and the installation of a roof membrane with a warranted system.
- Install snow/ice retention system to reduce falling snow and ice and minimize safety concerns. Roof structure should be evaluated by an engineer prior to any modifications that may increase loads supported by the roof structure.

4 Structure

4.1 Foundation

Based on a review of the original construction drawings the buildings foundation systems include concrete grade beams supported on piles driven into stable soils. The floor structure of the main level consists of precast plank with a concrete topping. Based on limited visual observation in one access opening to the crawl space, the ground was dry and the foundation systems appear to be in good condition with no significant signs of settlement or shifting of the buildings structure. It was noted by staff that there has been heaving of the floor slab under the ice sheet in the past. Observation of this area was not possible at the time of the site visit as there was ice in place and the area was not accessible from below. Further review of this condition is recommended the next time the ice sheet is removed.

4.1.1 Observations

- Crawl space area had dry soils and no signs of foundation issues or concerns were noted.
- Cracked concrete floor slab and tile were observed in main entry lobby.
- Exterior ground mounted mechanical unit - confirm adequate condition of steel framing and positive anchorage to foundations (partially covered in ice at time of observations).

Also confirm that the current unit is consistent with the original design intent of support framing. Additional connections or bracing may be appropriate.

4.1.2 Recommendations

- Review heaving slab under ice sheet the next time the ice is removed.
- Future investigation/monitoring of foundations below ice sheet to identify source of movement.
- Review structural support of raised exterior mechanical unit adjacent to ice plant

4.2 Second Floor Framing

The second floor level consists of precast concrete plank with a topping slab supported by structural steel columns and beams.

4.2.1 Observations

- In general, second floor framing and floor systems appear to be in good condition with no visible signs of deterioration.
- A concrete lintel above one of the concourse openings along east side with label "girls" above, exhibited poor consolidation of concrete and cracks near the end of the beam which would compromise the beam in shear capacity.

4.2.2 Recommendations

- Replace or patch damaged concrete lintel in concourse area.
- Professional observations during repair work are recommended to confirm that reinforcing steel is properly installed and to confirm that distress is not indicative of other issues.

4.3 Roof Framing

The roof is framed with engineered wood trusses supported by a structural steel frame. The wood structure including glulam trusses, connections, and hangers appears to be in generally good condition with no significant signs of deterioration.

5 Interiors

5.1 Finishes

Existing interior finishes appear to be original in most locations throughout the building. The finishes are aged and somewhat dated but continue to function well. We recommend developing a regular maintenance program, if not already in place, for continued re-painting of spaces throughout the facility to maintain a clean and inviting atmosphere. Below is a brief review of finishes in the major areas of the building:

5.1.1 Main Lobby

Finishes consist of tile floors, painted walls and suspended ceiling system. With the exception of some cracking floor tile, the finishes in this area are in fair condition and replacement is not recommended unless a larger renovation project is undertaken.

Lobby Floor Tile

5.1.2 Public Restrooms (first and second level)

The Men's and Women's public restrooms have tile flooring, painted concrete block walls, suspended ceilings and painted steel toilet partition stalls. Overall the finishes are in fair condition and replacement is not recommended at this time unless a larger accessibility or interior renovation project is planned. Minor accessibility upgrades to the toilet stalls is suggested and discussed in more detail in the Accessibility portion of this report.

5.1.2.1 Recommendations

- Provide code compliant grab bars at handicapped accessible restroom stalls.

5.1.3 Stairs

There are three main access stairwells leading to the second level. Finishes include painted concrete block walls and painted steel stairs and handrails/guardrails. The overall finishes are in good condition. Existing handrails and guardrail systems are in good condition although they do not meet current building codes. Guardrails are required to be a minimum of 42-inches high and a handrail is required to be provided on both sides of stairs.

5.1.3.1 Recommendations

- Modify existing hand and guardrails to meet current building code requirements.

5.1.4 Varsity Locker Room – Home Team

The home team locker room has carpet flooring, suspended acoustical ceilings and painted gypsum board and concrete walls. The finishes are in poor condition and should be replaced in the near future. The attached restroom and shower area finishes are also in poor condition and are aged and deteriorating. Plumbing fixtures and toilet and shower stalls are not handicapped compliant.

Varsity Locker Room

5.1.4.1 Recommendations

- Replacement of interior finishes with durable and easily cleanable finishes and provide upgrades to restroom and shower area recommended in near future.

5.1.5 Visitor Locker Room – Visitor's Team

The visitors' locker room has rubber flooring, suspended acoustical ceilings and painted gypsum board and concrete walls. The finishes are in poor condition and should be replaced in the near

future. The attached restroom and shower area finishes are also in poor condition and are aged and deteriorating. Plumbing fixtures and toilet and shower stalls are not handicapped compliant.

5.1.5.1 Recommendations

- Replacement of interior finishes with durable and easily cleanable finishes and provide upgrades to restroom and shower area recommended in near future.

5.1.6 Referee Locker Room

The referee locker room has rubber flooring, suspended acoustical ceilings and painted concrete walls. The finishes are in fair condition and should be replaced in the near future. The attached restroom and shower area finishes are also in fair condition and are aged and deteriorating. Plumbing fixtures and toilet and shower stalls are not handicapped compliant.

5.1.6.1 Recommendations

- Replacement of interior finishes with durable and easily cleanable finishes and provide upgrades to restroom and shower area recommended in near future.

5.1.7 Spectator Seating Areas

The general public circulation and seating areas are in good condition. Seating consists of wooden benches with concrete flooring which are in good condition and functioning well.

5.1.7.1 Recommendations

- Provide regular maintenance on finishes and re-painting of walls and guard/handrail systems.

5.2 Accessibility

In general terms the building appears to meet the intent of accessibility requirements in place at the time it was built. The facility has designated handicapped parking spaces and the main building entry does not pose significant barriers to physically disabled persons. There is designated handicapped spectator seating on the main level and an elevator provides access to the second level. Restrooms throughout the building do not meet current handicapped standards.

5.2.1 Observations

- Existing elevator system was in good condition and paperwork in the elevator machine room indicated required yearly state inspections have been completed.
- Current public restrooms do not provide handicapped toilet stalls that are sized according to current codes or provide grab bars as required. Ambulatory stalls are also not provided.

5.2.2 Recommendations

- A complete handicapped accessible public restroom renovation may be considered in the future as part of a larger renovation project. Upgrades to provide code compliant grab bars are recommended at this time.
- Continue regular maintenance on elevator systems.

6 MECHANICAL

6.1 Plumbing

The plumbing systems are from the original construction and are in fair condition. The building was constructed in 1996 so the piping systems will be only halfway through their useful operating lives. With care the piping systems should last another 30 years before substantial replacement needs to be undertaken. The plumbing fixtures valves will need replacement within the next 10 years or so because the mechanical parts age more quickly.

6.1.1 Observations

- Plumbing fixtures valves will need replacement within the next 10 years or so because the mechanical parts age more quickly.
- It should be noted the water coolers in the building have been replaced with water coolers that have bottle fillers, these units should last for 20 years with minimal maintenance. Using the bottle fillers will reduce the use of disposable plastic bottles which have a negative impact on the environment.
- There are several water heaters in the building, the 80 gallon electric water heater serving the public restrooms and concession area is approximately 10 years old. It is nearing the end of its useful operating life. This unit also is undersized according to building staff. It does not keep up with demand. We recommend replacing this water heater in the near future with an 80 gallon water heater with larger electric heating elements in order to supply enough hot water to meet demand.
- There are also two 80 gallon electric water heaters located in a closet that serve the locker rooms. These water heaters were installed in 2013 and are in good condition, they should continue to function for another five to ten years, at which time they will need to be replaced. These water heaters are able to provide adequate hot water and there have been no issues reported.
- There is a small electric water heater serving the corner locker room. This unit is approximately 5 years old and should continue to function for another 5-10 years as well. This water heater is able to provide adequate hot water and there have been no issues reported.
- The final hot water systems in the building are located in the Zamboni room and are used for resurfacing. There are two 119 gallon storage tanks that are several years old and may be approaching the end of their useful operating lives. Water heaters and storage tanks have useful operating lives of about 10 years in commercial applications. These water heaters are able to provide adequate hot water and there have been no issues reported.
- The building is fully sprinkled with a wet and dry sprinkler system. This system is from the original construction and is in good condition. The system is tested annually as required by the State. Sprinkler systems have a useful operating life of about 30 years, within the next 10-15 years some replacement of piping components may need to be done in order to maintain a fully functional system.

6.1.2 Recommendations

- We recommend replacing this water heater in the near future with an 80 gallon water heater with larger electric heating elements in order to supply enough hot water to meet demand.

- Replace flush valves and lavatory faucets.

6.2 Heating, Ventilation and Air Conditioning (HVAC)

The heating, ventilating and air conditioning (HVAC) systems consist of several pieces of equipment. The various systems include residential style furnaces, unit heaters, and large air handling and dehumidification units. These units vary in age but many are original to the original building construction. It was also noted that during the summer months there have been humidity issues in the arena likely caused by undersized dehumidification systems.

6.2.1 Observations

- Locker rooms are serviced by residential furnaces (four of them total). Two of these furnaces are newer and in good condition. The other two furnaces are from the original construction and are at the end of their useful operating lives. These two units should be replaced with new furnaces in the near future.
- There are two gas fired units heaters, one in the ice plant room and one in the Zamboni room. These unit heaters are from the original construction and are at the end of their useful operating lives. They should be replaced in the near future or as they fail.
- There are small electric cabinet heaters at the entries and exits of the arena. These units are from the original construction and nearing the end of their useful operating lives. We recommend replacement of the units as they fail in the coming years.
- There are two large gas fired air handling units serving the first and second floor common spaces. These units appear to be functional and are in fair condition. These units are also approaching the end of their useful operating lives so we recommend replacement of these units within the next couple of years.
- There are two dehumidification unit serving the ice rink area. These units are from the original construction and are at the end of their useful operating lives. These units are also unable to keep the humidity levels down during summer usage. We recommend replacement of these two units with either one larger unit or two units that are sized to handle dehumidification during the warmer months.
- There are also several exhaust fans for restrooms, locker rooms and the arena that are in fair condition but are at the end of their useful operating lives. These units should be inspected and replaced as needed or as they fail.

6.2.2 Recommendations

- Replace two of the residential style heaters with new high efficiency gas fired furnaces.
- Replace both of the two gas fired unit heaters in Zamboni and Ice Plant rooms.
- Replace both large gas fired air handling units serving the first and second levels with new high efficiency units.
- Replace dehumidification systems with new, properly sized units.

6.3 Temperature Controls

There is no central temperature control system in the building. All HVAC equipment each has their own standalone thermostats. Installation of a central unified temperature control system would allow for better control and scheduling of systems. This will save energy and also improve occupant comfort. An integrated control system also allows for better troubleshooting and provides alarms when there are issues with systems and equipment.

6.3.1 Recommendations

- Install centralized integrated control system.

7 ELECTRICAL

7.1 Power

The electrical service is an 800A, 277/480V, 3 phase service. This service and distribution system is from the original construction. This system has a useful operating life of about 50 years. The system is in good condition and has plenty of capacity left. We do not recommend any replacement or improvements to this system and equipment.

7.2 Lighting

Most of the lighting has been changed recently to LED fixtures. LED fixtures are the most energy efficient fixtures on the market. They will last for many years and substantially reduced lighting energy costs. There are a few fluorescent and incandescent fixtures left that should also be replaced with LED fixtures or lamps.

7.2.1 Recommendations

- Replace the remaining light fixtures in the Lobby space with new LED fixtures.

7.3 Low Voltage Systems

Low voltage systems are limited and original to the building but in good working condition. Replacement or upgrades to these systems in generally not necessary unless increased functionality or capabilities are desired or a major renovation project is undertaken.

7.3.1 Observations

- The fire alarm system is limited and primarily installed to accommodate the sprinkler system. This system is older and nearing the end of its useful operating life. We do not recommend replacement as long as continued inspection and testing is done. Replacement should only be undertaken as part of a larger remodeling project.
- The sound system is newer and in good operating condition. There were no deficiencies noted or reported. We do not recommend replacement or upgrades at this time.
- The phone and data system is limited but also older, there were no deficiencies noted or reported. We do not recommend replacement or upgrades at this time.
- The security system is newer and in good operating condition. There were no deficiencies noted or reported as well. We do not recommend replacement or upgrades as this time.

8 ICE SYSTEM

The NCUA is served by a *direct refrigerant*-type ice system, installed with the original building in 1996. The refrigeration system was purchased used from a client in Alaska and thought to be manufactured in the late 1980's. The ice rink floor and dasher board systems were installed new with the building. The 30-plus year-old refrigeration system has exceeded its 25-year life expectancy and the 22-year old floor system has reached its expected life of 20-25 years. There are two types of ice systems used in facilities as described below:

Ice Plant

8.1 Direct System

A *direct* refrigeration system circulates the primary refrigerant (R-22) directly through the ice rink floor. There is no secondary solution or refrigerant.

Ice Sheet

8.2 Indirect System

In an *indirect* system the primary refrigerant (R-22) stays in the refrigeration room. Heat is removed from the ice rink floor through a secondary refrigerant or glycol solution that is circulated in the floor. The heat exchange between the glycol solution and the primary refrigerant takes place in the refrigeration room. An example of an *indirect* system is the East Arena's ice system.

8.2.1 Observations

We toured the ice systems with the facility's operating staff in June, 2012 and again in March, 2018 and have the following observations and comments.

- The operational season has increased over the past 6 years from approximately 6 months in 2012 to 11 months per year currently.
- Overall, systems related to the refrigeration system have been very well maintained. The refrigeration system is reviewed thoroughly once per year inspecting and repairing any weak points, replacing seals, etc.
- The NCUA is served by a *direct* refrigeration system manufactured by Holmsten Ice Rinks. The major components including two York compressors, one low pressure receiver, two pumper drum vessels and one motor control center. The system is in fair condition for its age, but, it's becoming more difficult to maintain with its outdated electrical and control systems and discontinued compressors parts.
- There have been a few noted issues with the refrigeration package; there was release of refrigeration in 2011 and the pipe and pipe elbows had to be reinsulated recently due to deterioration of materials and corrosion.
- The only major improvements performed on the system was the replacement of the evaporative condenser in 2003. A new coil for the snow melt pit is currently being fabricated and will be installed in the next few months.

- Waste heat from the system is being used for the snow melt pit and the system reportedly works very well.
- The rink floor is original and constructed on a structural slab approximately 8"-9" below finish floor. There is a large air gap under the structural floor which prevents permafrost from building under the floor. It is very typical for the rink floor to be the first component of a Holmsten direct system to fail. There are no reported problems with the existing rink floor or with ice quality at this time other than a few high spots that have been ground down in the past. The ice quality is reported to be very good.
- The existing ice equipment/sprinkler room is approximately 30' x 26' or 780 SF. Even though it shares space with the sprinkler system and main electrical panels, it will likely be large enough for a new *indirect* refrigeration depending on what type of refrigerant is selected. There is mechanical ventilation system present in the room but we did not see a leak detection system that is required by code.

8.2.2 Recommendations

The main focus of the ice system should be on planning and budgeting for the replacement of the 30 plus year-old direct system. Because this is a direct refrigeration system, both the refrigeration system and the ice rink floor need to be replaced at the same time. While there are many different options available for the replacement of the ice system we recommend an indirect, ammonia-based system. Other options such as CO2 systems, which are the latest industry trend, or systems using other synthetic refrigerants like HFCs (R-134a, etc.) or R-448A are not included in this report but we are certainly willing to discuss these options with the City if requested.

While many repair and replacement options existing for the ice systems we have identified the following three as the most practice and cost effective solutions at this time:

- Option 1: Do nothing. Continue to maintain existing systems.
- Option 2: Make improvements to the existing *direct* system.
- Option 3: New *indirect*, industrial grade, ammonia-based system.

8.3 Option 1

Do Nothing – Maintain Existing System. The design of this *direct* ice system is unique and has proven to perform very well and be very efficient. However, the system is outdated and numerous concerns with the standard system design and current code regulations have prompted many other facilities to convert or change to *indirect* ice systems. These concerns include:

- *Aging equipment:* Major improvements to the existing refrigeration system will soon be required to extend its safe and useful life.
- *Environmental:* The existing system uses a large volume of R-22 refrigerant (approximately 6,000 lbs) with a high global warming potential (GWP) rating. R-22 refrigerant is scheduled to be phased out of production in the near future.
- *Cost and future availability:* As the phase-out date for R-22 approaches, the cost will continue to increase. Since 2005, the cost of R-22 refrigerant has risen 850%.
- *Continued Equipment Costs:* The equipment and parts on the refrigeration system will continue to require replacement in the near term. It's similar to driving a vehicle with high miles; the longer it runs, the more costly it becomes to repair and the lower the return on investment. Parts for the existing York compressors are no longer manufactured and

becoming extremely difficult to find and costly to purchase. Some valve manufacturers (like Sporlan) no longer manufacture some of the valves used on the system.

- *Risk of a Catastrophic Release of Refrigerant:* As the system ages, the risk of a major release of refrigerant increases. The existing *direct* system contains approximately 6,000 pounds of R-22 refrigerant with a replacement value of $78,000. Depending on the availability of R-22 when this occurs, the City may be forced to install a new blended refrigerant which will require additional modifications to the system.
- *Dependability:* The risk of problems occurring with the refrigeration system, and therefore, the risk of losing the ice sheet, increases as the system ages.

8.4 Option 2

Make Improvements to the existing system: Holmsten Ice Rinks provided good quality vessels (e.g. high-pressure receiver, pumper drums, etc.) with their systems. If the existing refrigeration system is going to remain in place, we recommend the following improvements to be performed.

- *Replace relief valves on all vessels:* Relief valves are required on all high-pressure vessels and should be replaced every five years. These are important safety devices and should be maintained on a regular basis. This work will include installing pressure reliefs on the pumper drums (not currently installed).
- *Replace and install monitoring devices on the refrigeration system:* Quality monitoring devices such as pressure, temperature and pressure gauges are extremely important in monitoring and troubleshooting the system. These devices will allow the facility's staff to more accurately assess and adjust the performance of various systems and to pinpoint problem areas.

Recommended improvements on an as-needed basis. These improvements are recommended if related issues arise or if the system will remain in place for 5 plus years into the future.

- *Investigate the integrity of the existing steel vessels and piping systems:* The refrigeration system was re-insulated and therefore the condition of the steel vessels and piping systems could not be inspected. Corrosion along the bottom of the low-pressure receiver is common in these systems. The extent of any corrosion cannot be determined without removing the insulation. The recommended repair includes: removing several sections of the existing insulation on the system; conducting a visual inspection of the vessels and piping; and conducting a non-destructive ultra sound tests of the steel. If high levels of corrosion are found, the entire insulation system should be removed; the surface of the vessels and piping should be sanded, primed, painted; and then the entire system should be re-insulated.

  If the steel vessels and piping systems are found to be in good shape, this system could last another 15 or more years with the other recommended improvements completed and with continued proper maintenance.

  If extensive corrosion is found, the vessels should be repaired and recertified and/or replace and piping should be replaced before reinsulating. Poor insulation can aid in pre-mature corrosion and loss of efficiency.

- *Painting:* Prime and paint all exposed steel equipment, piping and supports.
- *Isolate the compressors:* It is common to find vibration problems in skid-mounted packages such as this one. Although there are no reported vibration issues with this system, it is recommended that the frames beneath the two compressors be separated from the skid package.

- *Replace dump solenoids on each pumper:* The coils in the existing solenoid valves (typically Sporlan) have a tendency to dry out. Solenoid valves manufactured by Hanson or Parker seem to work better for this application and reportedly have fewer problems. Replace one valve on each pumper drum.
- *Replace vent solenoids on each pumper with same materials:* Inspect and replace the existing valve (typically a Sporlan MA50) with same model. This valve cannot be replaced with a higher quality valve as manufactured by Hanson due to the inadequate space.
- *Replace existing compressor controls:* A control system for the compressor can vary greatly in cost depending on the programming and level of control and monitoring desired. The cost provided in the table below is for a fairly basic control system with remote access and monitoring capabilities.
- *Replace compressors:* Parts for the existing York compressor can be difficult to find since they are no longer in production. These compressors can be rebuilt and reused for well over 30 years. The existing compressors are at least 30 years old. If the compressors are replaced, the new compressor should be selected so that it can be reused with a new refrigeration system and different refrigerant.

8.5 Option 3 (Recommended)

New indirect, industrial grade system: This option includes replacing the entire refrigeration system and concrete ice rink floor with an industrial grade flooded chiller, ammonia.

This option also includes installing a new mechanical ventilation system to meet the current ventilation code requirements for ammonia refrigerant and installing an exterior door for egress.

A new indirect system could likely be constructed directly over the existing concrete rink floor slab. This would save the demolition and replacement costs but would require the rink surface to be raised several inches.

Complete replacement of the existing system will provide a safe, environmentally friendly ice system that will continue to function as needed for many years. A new ammonia based, indirect system has an expected lifespan of 25 to 30 years while the new rink floor system would be expected to last 30 to 40 years.

Example Installation Photo

8.6 Dasher Boards

The useful life of a dasher board system depends on the quality of construction, maintenance, timeliness of the repairs, and the amount of moisture in the ice arena, and therefore, can be difficult to determine. Generally, the useful and safe life ranges between 15-20 years. In many cases, dasher board systems are replaced because of new technology and options that are available such as:

- Acrylic glass systems with improved flexibility and player safety.
- Soft caprail or topsill. This is an option to replace the standard hard polyethylene material that is fastened to the top of the dasher board panel to help improve player safety.

- Aluminum framing systems. As an alternate to steel, aluminum provides a corrosion resistant and lighter weight system. It is the preferred system especially when frequent assembling and disassembling is required.
- Lift out panels. Lift out panels are used for indoor soccer nets on the ends of the rink or for access to the rink floor during dry floor activities.
- Recessed kickplate. This takes the place of the traditional kick plate that protrudes out ½ inch from the face of the dasher panel. The recessed kickplate reportedly improves the playability of the puck.

8.6.1 Recommendations

The existing NCUA dasher board system is 22-years old and in fair condition but has exceeded its expected life. We recommend the Youth Hockey Association and City plan for the replacement of the existing dasher board systems with new systems that would typically include the following:

- 6-inch-wide steel framed system;
- ½ inch thick poly facing and kick plate;
- ¾ inch thick poly caprail;
- 30-foot-long players boxes;
- 7-foot-long penalty and scorer's boxes;
- Supportless shielding system;
- 6-foot-high tempered glass (entire rink);
- Black, nylon netting (ends, radii, bleacher side);
- Gates to match existing with addition of 1 more; and
- Backer panels on 75% of the rink.

9 Corrective Actions Report and Cost Estimates

Priority	Description	Estimated Cost
1	Provide stoop at main building entry to eliminate trip hazard	$5,000
1	Parking lot pavement maintenance, crack sealant	$5,000 every 5 years
1	Restripe parking lot	$5,000 every 5 years
1	Replace 80 gallon electric water heater for public restrooms	$6,000
1	Reinforce overhead door opening at Zamboni room	$12,000
1	Repair / replace damaged concrete lintel in concourse area	$5,000
1	Provide code compliant grab bars in public restrooms	$4,000
2	Modifications or replacement of existing ice systems	
	Option-1: Continued use of existing system in current condition	Unknown costs Repairs as they arise
	Option-2: Make improvements to existing system and continue its use for foreseeable future	$250,000-$300,000
	Option-3 (recommended): Complete replacement of ice system and rink floor	$1,900,000 - $2,200,000
2	Dasher board replacement (recommend replacement at same time as ice system replacement)	$300,000

2	Replace dehumidification HVAC units	$180,000
2	Replace two air handling units	$50,000
2	Replace two residential style furnaces serving locker rooms	$15,000
2	Replace two unit heaters in Zamboni and Ice Plant	$5,000
2	Paint exterior precast wall panels	$75,000
2	Replace exterior joint sealant at precast panels and doors	$30,000
3	Maintenance or replacement of building roofing systems	
	Option-1: Maintain existing roofing systems	Unknown costs Repairs as they arise
	Option-2: Replace roof membrane only (Existing roof installation must be verified to determine if this is feasible)	$600,000
	Option-3: Complete roof and insulation replacement	$1,000,000
3	Mill and overlay parking lot pavement	$125,000
3	Replace parking lot signage	$5,000
3	Renovations to Varsity Locker Room	$50,000
3	Renovations to Visitor Locker Room	$40,000
3	Renovations to Referee Locker Room	$15,000
4	Install stoops at all exterior doors to eliminate trip hazards and comply with egress codes	$5,000 x 14 Doors $70,000
4	Integrated HVAC controls	$70,000
4	Replace pluming flush valves and faucets	$11,000
4	Replace remaining lighting with new LED fixtures	$9,000
5	Public restroom handicapped renovations	$100,000
5	Interior stair guard and hand railing upgrades	$30,000

- Cost estimate data is taken from RS Means 2018. Estimates indicate construction costs only and do not include soft costs such as design fees or permitting.
- Cost estimates are based on current construction cost indices and do not include anticipated inflation costs.
- The preliminary Estimate of Probable Cost prepared by the Architect, represent the Architect's judgment as a design professional. It is recognized that neither the Architect nor the Owner has control over the cost of labor, materials or equipment; the Contractor's methods of determining bid prices; or competitive bidding market conditions. Accordingly, the Architect cannot and does not warrant or represent that bid prices will not vary from the Owner's budget for the Cost of the Work or from any Estimates of Probable Cost prepared or agreed to by the Architect.

10 Limitations

The assessment and recommendations in this letter are based on limited site observations. Field observations were limited to visual observations without testing of materials and without removal of finishes to verify obstructed construction. Observations were not made in all locations throughout the building for the purpose of this evaluation. However, an attempt was made to observe representative conditions in each part of the structure.

Some portions of the building systems were not accessible for detailed observations at the time of the investigation, as they were hidden behind interior ceilings, floor finishes, or behind other equipment. Further observations may lead to different conclusions, and conditions may be discovered during repairs and rehabilitation that contradict the limited observations and assumptions described in this report. If conditions that appear to be unsafe are discovered, SEH recommends limiting access to those spaces until further evaluation can be completed.

Because of the general nature of the report, we would be glad to conference with you or other city officials to explain and elaborate upon these observations and evaluation results. Please feel free to call me if you have any questions about the observations, conclusions and recommendations in this letter.

Building a Better World for All of Us®

Sustainable buildings, sound infrastructure, safe transportation systems, clean water, renewable energy and a balanced environment. Building a Better World for All of Us communicates a companywide commitment to act in the best interests of our clients and the world around us.

We're confident in our ability to balance these requirements.

SEH

CLOQUET

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www.cloquetmn.gov

REQUEST FOR COUNCIL ACTION

To:	Honorable Mayor and City Council
From:	Aaron S. Reeves, City Administrator
Date:	August 8, 2018

ITEM DESCRIPTION: 2019 CIP and Preliminary Budget Review

Proposed Action
Review CIP and Preliminary Budget and provide input.

Background/Overview
SEH will be in attendance to present the detailed background information on the CIP presented to you at last meeting and included in the 2019 preliminary budget. In addition, staff will provide an update on the preliminary budget, discuss next steps, and take any Council comments on the budget.

Supporting Documentation Attached
- CIP
- Updated 2019 Preliminary Budget Summary

Street and Utility Capital Improvement Program

Cloquet, Minnesota

CLOQU 145045

SEH

Building a Better World for All of Us®

Engineers | Architects | Planners | Scientists

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July 5, 2018

RE: Street and Utility Capital Improvement Program
Cloquet, Minnesota
SEH No. CLOQU 145045 4.00

Mr. Aaron S. Reeves, ICMA-CM
City of Cloquet
1307 Cloquet Avenue
Cloquet, MN 55720

Dear Mr. Reeves:

Short Elliott Hendrickson Inc. (SEH®) is pleased to submit this report for the City's Street and Utility Capital Improvement Program.

The information within the report is the compilation of data and information we collected in the field and from City staff.

Thank you for the opportunity to provide services to the City of Cloquet. If you have any questions, please contact me at 218.279.3034.

Sincerely,

Dan Hinzmann, PE
Professional Engineer

drh/mh
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Street and Utility Capital Improvement Program

Cloquet, Minnesota

I hereby certify that this report was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Dan Hinzmann, PE

Date: July 5, 2018 License No.: 49874

Reviewed By: _____ Date: _____

Short Elliott Hendrickson Inc.
418 W. Superior Street, Suite 200
Duluth, MN 55802-1512

SEH

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Street and Utility Capital Improvement Program

Prepared for the City of Cloquet

1 Purpose of a Capital Improvement Program

A Capital Improvement Program is a comprehensive document whose purpose is to list major improvements necessary and desirable to meet the needs of the community over the near future. The program is established through the compiling of project needs and requests by the various Departments, Commissions, and the City Council. The Capital Improvement Program is a valuable tool which City officials can use to rank the priority of public improvement projects and determine the level and method of financing required each year to support these projects.

Specific objectives of this Capital Improvement Program are to:

- Anticipate major capital improvements so that large expenditures can be budgeted over a period of several years.
- Develop a realistic list of needs which relates to the ability to finance improvements, thereby minimizing the impact on tax rates.
- Implement the goals and objectives contained in the comprehensive plan.
- Enable proper scheduling of various projects and improvements, thereby allowing adequate time for detailed design and engineering of the projects, preparation of environmental permitting documents, processing of grant applications, and exploring alternative methods of financing.
- Provide an opportunity for sound coordination between City departments, various units of special and general local government, public utilities, and impacted members of the public.
- Enable the local officials to focus their attention on the needs of the entire community, and to put in perspective pressures from special interest groups and proponents of special projects.
- Enable the local officials to forecast and anticipate needed maintenance projects so that the public's investment in the infrastructure can be preserved.

Please note that this street and utility capital improvement program is not intended to be fully comprehensive of the City's capital expenditures. A number of other expenditures related to other City operations and activities should be balanced with these needs, including operational equipment, parks, the Cloquet waterline, urban development or community enhancement, additional development areas, and other items to best serve the public.

2 Existing Conditions

Information regarding the City's underground water, sanitary sewer, and storm sewer was gathered from City staff and the City's GIS database. Areas proposed for utility reconstruction

were determined from the condition, age, and history of the utility. These areas for proposed reconstruction were considered along with the pavement rating of the street to rank improvement projects. Utility reconstruction should be continually considered during pavement management.

2.1 Pavements and Roadways

The City currently owns and maintains approximately 77 miles of roadway, 5 miles of alleys, and 0.5 million square feet of paved parking areas. In general, much of the roadways include a bituminous pavement with curb and gutter and concrete sidewalk. There are some areas which include concrete pavement, as well as areas without curb or concrete sidewalk. There is also City owned and operated lighting systems on selected corridors along with Minnesota Power owned and operated lighting at many intersections.

To rate the condition of the roadways the City has previously assigned ratings based on the condition of the street. These ratings vary from 100 (excellent) to 0 (totally failed). **Figure 1** shows the pavement rating assigned to each section of street within the City. The City of Cloquet used an outside consultant to perform the majority of the street rating process which was completed in 2017. Ratings were performed on City maintained streets only. If roadways within the city limits are private, MnDOT, or Carlton County roads, they are noted as such in the street rating figure. This rating system accounts for the pavement condition but does not address curbs, sidewalks, or other street related elements. **Figure 2** shows the street ownership and local street eligibility for State Aid for Local Transportation (SALT) funding.

Areas which are planned for 2018 construction are shown in excellent condition although their current condition may not reflect that condition. This is based on the assumption that these projects will move forward as planned and will allow this document to be more current following the 2018 construction season.

2.2 Sanitary Sewer

The City of Cloquet operates and maintains approximately 48 miles of gravity sanitary sewer and force main, ranging in size from 1.5 inches to 24 inches. Records show portions of the sanitary system being initially built in the 1920s. The City also owns and operates eight lift stations located throughout the City. Two of these lift stations (Dunlap Island and 2nd Street) are considered major lift stations by staff, and six are considered minor. The City's sewer system ultimately discharges to WLSSD's interceptor system.

As part of the City of Cloquet Utility Extension Study, SEH completed initial modeling of selected sewer mainline runs to evaluate existing conditions as well as opportunities for future development. As part of this modeling, no major capacity concerns were identified within the existing system, however the Dunlap Island lift station was found to be near capacity. This is in line with City staff's knowledge of the system.

Figure 3 shows the City's existing sanitary sewer system including age of the existing system. Portions of the system did not have data available and assumptions were made on pipe age based on approximate timing of original development of the area and age of adjacent sewer utilities. City staff also provided age information related to specific areas that were not represented in the data provided. For areas where pipe lining has occurred, these pipes were shown to be in newer condition. City staff did not note any specific areas which have been lined and exhibit issues that require improvements. Historically, the lined areas have been based on specific issues and complaints due to backups or other service related items.

2.3 Water System

The City's water system consists of four (4) active supply wells and one artesian well (Spring Lake Reservoir). If the City is able to continue operation of their wells, they anticipate they will have sufficient water supply. However, some water quality issues have raised concerns at some well locations and water treatment facilities are anticipated in order to resolve these issues. This includes a water treatment plant anticipated to start construction in 2018 near Well 6. The existing system operates under one pressure zone, served by one elevated water storage tank.

The existing water distribution system consists of 70 miles of distribution system piping, ranging from 1 inch to 20 inches. The current service area includes customers in the City of Cloquet, the entire City of Scanlon, and portions of the Fond du Lac Reservation. There is also a dedicated line serving Black Bear casino near Carlton.

Cloquet also owns and operates a water system that pumps water from Lake Superior to the Sappi Paper Mill. Portions of Thomson Township (Esko) and Midway Township utilize the Lake Superior / Sappi water system for fire protection only. Since this system operates separately and independently of the City of Cloquet drinking water system, this system is not included in this analysis.

Figure 4 shows the City's existing water distribution system including age of the existing system and recorded break history. Portions of the system did not have data available and assumptions were made on pipe age based on approximate timing of original development of the area and age of adjacent sewer utilities. City staff also provided age information related to specific areas that were not represented in the data provided. Age was not shown for mains that are 4" and smaller due to these mains no longer meeting current standards, therefore age is not a primary consideration in replacement for these undersized pipes. In addition, the City indicated some areas do not have compliant clearance between water and sewer utilities.

Specific issues with the water system performance include water quality concerns at the north end of the system and water pressure spikes in the southern portion of the system. These issues have been noted primarily based on customer complaints and City measurements or observations. It is possible that the water quality issues at the north end relate to water age with a low water consumption relative to the volume of water contained in the length of non-looped pipe servicing the north business park. Additionally, it is possible that the water pressure spikes are related to the pressure relief valve that exists near Black Bear casino accompanied with the long, non-looped main servicing the area.

2.4 Storm Sewer System

Portions of the City include storm sewer, and selected areas have been upsized in planning for future storm sewer connections. The existing storm sewer system can be seen in **Figure 5**. A list of storm sewer and water resource issues was discussed with City staff and developed based on institutional knowledge. A review of that list along with discussions with public works staff resulted in the comments which are included in the storm sewer map.

Based on the knowledge of the City staff, there are not major flooding areas in town that require major stormwater improvements. This is primarily based on the performance of the City's infrastructure during the 2012 100-year storm event, as well as other historic rain events. At times, Dunlap Island has experienced flooding but this cannot be resolved through the construction of new City infrastructure.

3 Analysis & Recommended Improvements

3.1 Pavement Management Options

There are a series of different pavement management techniques typically considered to maintain and/or improve existing pavement conditions:

- Crack Sealing
- Seal Coat
- Overlay
- Reclamation
- Reconstruction

Many factors were considered including condition (PASER rating) of the existing pavement, the existing stormwater system within the street section, and the condition of the sanitary sewer and/or water mains under the street section in determining the appropriate pavement management technique.

3.1.1 Pavement Crack Sealing

Crack sealing consists of injecting hot pour rubber into joints and cracks in the bituminous pavement. Sealing cracks prevents water and salts from penetrating the bituminous mat and crushed rock base. Preventing water and salts penetration will extend the life of the roadway. Crack sealing is recommended on roadways with longitudinal and traverse cracking. Crack sealing is not recommended on roadways with block cracking and alligator cracking.

3.1.2 Pavement Seal Coat

Seal coating is a thin bituminous surface followed by cover aggregate used to protect existing bituminous surfaces. The seal coats resists water seepage, salts, and wear from exposure to the sun, thus extending life of pavement. Seal coating also increases the aesthetic properties of the pavement. Seal coating is not a solution to excessively cracking or structurally failing pavement. Seal coating is generally recommended to occur within three to five (3-5) years of construction/reconstruction of the street. At this time, the City is not pursuing seal coat options in their pavement management strategy.

3.1.3 Pavement Overlay

Overlay management technique consists of overlaying the existing roadway with typically a 2-inch bituminous surface. Overlaying will create a new smooth sealed surface. Overlaying will increase the structural integrity of the roadway and smooth out rutting and potholes in the roadway. Overlay will typically provide a useful life of five (5) to 20 years based on existing conditions and future maintenance. Pavement overlays are typically restricted to no more than two occurrences before removal of the existing pavement section is required. This is due in part to the drainage performance of curbed areas

For purposes of this report, it is assumed that candidates for a mill and overlay project are streets that are generally in the 20 to 80 range on the street rating scale and do not have significant utility or stormwater issues to address.

3.1.4 Pavement Reclamation

Pavement reclamation projects include removal of the existing bituminous pavement and a portion of the class 5 roadway base while pulverizing the existing pavement. This removed material is then mixed to a homogenous material and recompacted. Pavement is then placed over the top of this reclaimed pavement material. The reclamation process eliminates the expectation of reflective cracking and increases the strength of the base material below the pavement.

3.1.5 Full Street Reconstruction

Reconstruction consists of complete reconstruction of the roadway. For purposes of estimating, the proposed reconstruction includes a 28-foot wide roadway, with curb and gutter, driveways, and sidewalks. The new street section will include 4-inch bituminous street with 8-inch crushed aggregate base and 12-inch granular subbase. Reconstruction of the street will provide a useful life of 25+ years with proper maintenance. This reconstruction represents the typical residential roadway with no major heavy traffic.

Candidates for a full reconstruction are generally scored 20 or less on the street rating system or areas where utility replacements are warranted. When considering a full pavement reconstruction, the condition of the existing sanitary sewer, water mains, and storm sewers should be reviewed. Utilities needing to be addressed or added to the street should be completed as part of the full reconstruction. This minimizes future disruption of the new pavement surface.

3.2 Sewer System Improvements

There are generally two different pavement sanitary sewer improvement options for a sewer system with the characteristics of the City of Cloquet. These include:

- Dig and Replace
- Cured in place pipe (CIPP) lining

Additional pipe improvement options exist such as pipe bursting, horizontally directionally drilled (HDD) piping. These less common solutions may be evaluated on a project by project basis to determine the best approach that meets the project needs.

In addition to these identified improvements, the City should continue to regularly maintain their existing sewer system with cleaning (jetting) and televising to evaluate the system.

3.2.1 Sewer Dig and Replace

Reconstruction of sanitary sewer systems often includes portions of piping and structures that are removed and replaced. In specific cases, it may be the correct approach to dig and replace the sewer system only. However, it is more typical to dig and replace the water system and replace the roadway section concurrent with the replacement of the sewer system. Most piping can be planned to be replaced with existing sizing, although specific corridors should be evaluated for capacity concerns based on the City's comprehensive planning and expectations of future use.

In cases of a dig and replace option, it is expected that the sewer service piping would be replaced up to the City's right-of-way to avoid service piping issues that require costly excavation in a relatively new roadway section.

3.2.2 Sewer CIPP Lining

CIPP lining includes adding a layer of cast in place pipe liner inside of existing piping. In order to complete this, the in place piping must have enough remaining structure to support the installation operation and also be capable of a reduction in pipe diameter based on the required capacity. After installation is completed, the new pipe lining is considered structurally sufficient as a new standalone pipe and does not rely on the original piping for structural support. CIPP lining will often function at an acceptable level with the loss of diameter due to the process typically reducing inflow and infiltration (I&I) and increasing the smoothness of the pipe to convey flow. CIPP will not resolve any issues related to existing pipe grade or low points.

It is possible to line service piping and this could be considered by the City moving forward. Should this be selected, it may be advisable to review the current assessment policy and consider how that would apply to the benefiting property owner. For purposes of this report, it is assumed that the costs related to lining are to line the main only and that no sewer laterals are included in these costs.

Lining options also exist for manholes which require improvements and provides similar I&I benefits. These are expected to be reviewed on a case-by-case basis and no costs are currently included in the CIPP cost estimating approach.

3.2.3 Conditional or Age Based Sewer Improvements

For purposes of this report, the approach to the improvements included assumes that all sewer piping 50 years and older (install date of approximately 1970) is expected to approach the end of its useful life during the study period and improvements should be considered.

For areas where water piping is anticipated to be replaced, the adjacent sewer system should be evaluated for replacement. Additionally for areas where roadway replacements are to be considered (specifically on roadways not owned by the City) the adjacent sewer system should be evaluated for replacement.

3.2.4 Other Considerations for Sewer Improvements

Specific areas include items which are not based specifically on condition or age. Specific areas identified during the review of the data provided and conversations with City staff are described below.

- Armory Road Sewer Ownership – This project would consist of installing a new public sewer system on Armory Road. In the area there exists a public force main that discharges into a private sewer system before re-entering the public sewer collection system. This area will require construction of a new piping system to bypass the privately owned system.
- Pine Tree Plaza Reconstruction – This project would resolve a sag within a sanitary sewer line that currently services the businesses south of Big Lake Road just west of TH33.
- Dunlap Island Lift Station Improvements – This lift station appears to be at or near capacity based on modeling, review of pump run times, and discussions with City staff. It is assumed this lift station will require a full replacement.
- 2nd Street Lift Station Improvements – This lift station appears to currently have adequate capacity and function but lift stations require more frequent capital investment such as pump replacement. The tributary for this lift station may expand based on providing

additional service to currently unserviced areas of town. For this reason, it is assumed this lift station will require a full replacement.

3.3 Water System Improvements

At this time, three different water system improvement options have been considered for water system improvements. These include:

- Dig and Replace
- Horizontal directionally drilled (HDD) pipe installation
- Pipe Bursting

Additional options exist including water main lining, but in general these options are considered cost prohibitive unless specific circumstances warrant such as a location where other options would cause significant impact to the public or specific customers or areas where establishing a new HDD installed pipe would not fit within the existing utility corridor.

3.3.1 Water Dig and Replace

Reconstruction of water systems often includes portions of piping, valves, and hydrants that are removed and replaced. In specific cases, it may be the correct approach to dig and replace the water system only. However, it is more typical to dig and replace the sewer system and replace the roadway section concurrent with the replacement of the water system. Most piping can be planned to be replaced with existing sizing, although specific areas should be evaluated for capacity concerns based on the City's comprehensive planning and expectations of future use.

In cases of a dig and replace option, it is expected that the water service piping would be replaced up to the City's right-of-way to avoid service piping issues that require costly excavation in a relatively new roadway section.

3.3.2 Water HDD Installation

Horizontal directionally drilled pipe installation allows for a water system replacement while limiting surface disturbance. In this case, a pit is excavated at either end of the project to facilitate piping installation and connections to the existing system. Additionally, excavation must occur to reconnect service piping to the new main and to install new hydrants. In most cases, the existing pipe is abandoned in place at the completion of the work.

3.3.3 Water Pipe Bursting

Pipe bursting is similar to HDD watermain installation in the fact that it is intended to be a primarily trenchless operation. In cases of pipe bursting, a bursting device is pushed through an existing pipe which breaks the pipe and pushes out the surrounding soils to accommodate the installation of a new pipe inside the burst pipe. Similar to HDD, excavation pits are required in order to install the new piping. Excavation is also required to reconnect existing services or to reconstruct hydrants. Clearance from existing utilities should be carefully considered before proceeding with pipe bursting operations to be sure the new utility is code compliant and the installation will not damage nearby infrastructure.

3.3.4 Conditional or Age Based Water Improvements

For purposes of this report, the approach to the improvements included assumes that all water piping approximately 50 years and older (install date of prior to 1970) is expected to approach the end of its useful life during the study period and improvements should be considered. Additionally, specific areas were reviewed to determine if improvements are warranted based on the history of breaks along the piping.

For areas where sewer piping is anticipated to be replaced, the adjacent water system should be evaluated for replacement. Additionally for areas where roadway replacements are to be considered (specifically on roadways not owned by the City) the adjacent water system should be evaluated for replacement.

3.3.5 Other Considerations for Water Improvements

Specific areas include items which are not based specifically on condition or age. Specific areas identified during the review of the data provided (including the 2009 water system study) and discussions with City staff are described below.

- North Water Tower – This project would consist of constructing a new water tower somewhere north of the St. Louis River. Currently, the City's only water tower exists south of the St. Louis River and no redundancy exists in the system for the crossing of the St. Louis River. This project would also provide redundancy during a possible existing water tower rehabilitation or replacement.
- North Treatment Plant – This project would consist of constructing a new water treatment plant somewhere near Well #11. Well #11 is the only well the City operates north of the St. Louis River. This well has high levels of manganese and treatment should be considered if this well is to be used long-term.
- North Water Loop – This project would consist of providing a water loop from the Well #11 site over to the business park area. The project would be constructed primarily in an effort to resolve some water quality issues that may be related to water age at the business park as well as add overall redundancy to the water system.
- Water Tower Rehabilitation – This project would include sandblasting and recoating the existing elevated water tower north of Park Avenue. Based on a recent assessment by the City, it appears the existing elevated water tower has approximately ten (10) years of useful life and this should be programmed for rehabilitation. The water tower will be taken offline for a period of time to allow the work to be completed.
- Spring Lake Reservoir Treatment – This project would include routing water from Spring Lake Reservoir to the treatment plant which is planned for construction in 2018 and 2019. It is possible that the Minnesota Department of Health (MDH) will determine the Spring Lake reservoir is under the influence of surface waters and requires treatment. The exact timing of this project may be dictated by outside factors such as MDH's input.
- Braun Park Water Extension and Loop – This project would consist of extending water service south from the existing college to service Braun Park. In addition, this project would include looping the water main across the freeway to the west. The City has expressed in providing water service to Braun Park for irrigation purposes. In addition, it is expected that providing additional looping of the long non-looped main towards the casino would reduce some of the pressure spike concerns described above.

3.4 Storm System Improvements

In general, the storm sewer system within the City consists of relatively recently installed infrastructure relative to the other utilities. Based on this, storm sewer projects are generally not expected to be a primary factor in project selection. For any reconstruction project, storm sewer improvements should be considered as part of the project development.

If the City desires, a master stormwater plan could be developed for the City which would consider storm sewer additions and accompanying downstream sizing to accommodate the ultimate buildout of a storm sewer system. Should this be completed, this information could be used to update the capital planning approach.

4 Project Development and Costs

4.1 Street and Utility Rehabilitation Projects

Specific rehabilitation projects are defined below, although there are sometimes budgetary restrictions that only allow for a rehabilitation project as opposed to a more costly replacement project. These items should be considered as the City constructs its capital plan to address both short-term and long-term needs.

4.1.1 Mill and Overlay or Reclamation Projects

In addition to the major reconstruction projects, there are other streets that need to be reconstructed, but utilities in these streets are in good shape. At this time, these streets do not require storm sewer improvements. Milling of existing pavement and repaving can improve the status of these streets. Alternately, a pavement reclamation project is a viable option, particularly in areas where a non-curb and gutter roadway is desirable and raising the profile of the roadway will not cause adverse conditions.

Appendix A, Exhibit 1 and shows the cost and descriptions of these projects. **Figure 6** shows the locations of these projects.

4.1.2 Sanitary Sewer Lining & HDD Water Main or Pipe Bursting

In addition to the previous major and minor street construction, there are some streets that are in good condition but the sewer pipes need some attention. These repairs can be accomplished by means of lining of sanitary sewer pipes, this will extend the life of the sanitary sewer system until it is time to reconstruct these streets.

In addition, there are areas within the City where sewer is in relatively good condition and the roadway is either in good condition or can be suitably rehabilitated. For these areas, HDD water main installation or pipe bursting has been selected.

Appendix A, Exhibit 1 shows the costs and descriptions of these projects. **Figure 7** and **Figure 8** show the locations of these projects.

4.2 Street and Utility Reconstruction Projects

By combining all the findings from pavement, sanitary sewer, water main, and storm sewer condition reviews, a series of projects were identified. These projects generally consist of areas where the utilities are past their useful life.

In some cases, these utilities continue to function adequately for the time being and have a moderate to good pavement rating. In these areas, it is recommended the City consider timing these projects for a future date after more of the useful pavement lift has been expended.

Appendix A, Exhibit 2 and shows the costs and locations of these projects. **Figures 6-8** shows the locations of these projects.

4.3 Performance and Operations Driven Projects

In addition to the conditional based projects identified above, a series of projects have been identified for various reasons. These projects are generally described in Sections 3.2.4 and 3.3.5 above.

Appendix A, Exhibit 3 shows the costs and locations of these projects.

5 Project Timing / Capital Planning

5.1 Average Annual Investment

We have identified a series of funding options that consider the long-term rehabilitation and replacement of the City's infrastructure. These options are generally based on the replacement of all "aged" (currently 50+ years old) piping as well as all streets that are rated below 80. While these elements may currently be serviceable, a long term replacement plan is valuable to understand the necessary investment to maintain an acceptable level of service for the public.

The following summary tables provide timelines for utility and roadway improvements based on an assumed annual average investment. These do not include specific performance and operations driven projects (shown in **Appendix A, Exhibit 3**) as these are expected to be funded outside of the typical annual budget for regular infrastructure maintenance and replacement.

Table 1 – Years to improve sewer piping installed before 1970*

Average Annual Investment*	Years to Complete
$250,000	32 Years
$300,000	27 Years
$350,000	23 Years
$400,000	21 Years
$450,000	18 Years

Table 2 – Years to improve water piping installed before 1970*

Average Annual Investment*	Years to Complete
$400,000	58 Years
$500,000	47 Years
$600,000	39 Years
$700,000	29 Years
$800,000	26 Years

Table 3 – Years to Improve Streets, Alleys, and Parking Lots Currently Rated below 80*

Average Annual Investment*	Years to Complete
$1,000,000	60 Years
$1,500,000	40 Years
$2,000,000	30 Years
$2,500,000	24 Years
$3,000,000	20 Years

* All listed costs are in 2018 dollars and are not adjusted for inflation

It should be noted that existing infrastructure will continue to age as this total investment is completed. For example, if a pipe is currently 30 years old, it is not included in the timeline to replace all piping that is 50+ years old as identified above. Assuming the 50+ year piping were replaced in 40 years, the currently 30 year old piping would be 70 years old at the completion of the assumed cycle. This also applies to roadway degradation over the course of the improvements.

In addition to the analysis completed by SEH, the City has a pavement management software which completes calculations of the pavement condition based on various improvement scenarios. These scenarios are based on a degradation curve which identifies the rate at which pavements degrade within the City of Cloquet. The analysis includes results for the following 20-year scenarios:

- Maintain current average pavement rating
  - Roadway Investment: $2,100,000 per year
  - Average roadway rating in 20 years: 63 (currently 63)
- Current 5 Year CIP. Resulting average pavement rating = 56. Investment: $1.5M per year
  - Roadway Investment: $1,500,000 per year
  - Average roadway rating at completion: 56 (currently 63)
- Degradation Check
  - Roadway Investment: $0 per year
  - Average roadway rating in 20 years: 7 (currently 63)

Additional pavement management results and alternate scenarios are included in **Appendix B**.

5.2 Project Timing

In considering the appropriate timing for specific projects, a number of factors were considered including funding sources / budget as well as the overall condition of infrastructure. These items were discussed with City staff to determine the most appropriate list of projects that meets the City's goals for financing while addressing the short and long term needs for infrastructure maintenance. A proposed schedule of improvements for the next five year cycle of these projects can be seen in **Appendix A, Exhibit 4**. The locations of these projects are shown in **Figure 9**.

The City's internal funding sources consist of the sewer utility fund, water utility fund, stormwater utility fund, and street (general) fund. The funding for City projects also includes State Aid for Local Transportation funds, as well as possible additional funding sources such as federal Safe Routes to School funds. As part of the project timing, it is important to consider cash flow for each

project fund as well as consider appropriate budgets and rates moving forward. At this time, an approximate annual dollar value was provided by City staff to balance current budgetary requirements.

6 Conclusion

We recommend that the City consult their financial advisor, bond counsel, attorney, and the citizens of the community to confirm and develop the Capital Improvement Plan scope and finance plan.

It is recommended that the City Council select and authorize which phases should be implemented in 2019. The Council should consider ordering the Feasibility Study for the Phases in 2019, or possibly further out, should the project timeline dictate a need.

Please note that the cost estimates, phasing and schedule are intended to be used for planning and budgeting purposes. The construction costs were based on 2018 bid prices. A Feasibility Report/Engineering Report should be completed before design and bidding of projects is authorized. A Feasibility Report/Engineering Report will better define the project scope and project costs.

Figures

Appendix A

Project Lists and Costs

Exhibit-1 – Rehabilitation & Standalone Utility Projects

Exhibit-2 – Full Roadway and Utility Reconstruction Projects

Exhibit-3 – Performance and Operations Driven Projects

Exhibit-4 – Projects by Year

Exhibit 1 - Rehabilitation & Standalone Utility Projects

Project Name	Start	End	Pavement Rehab $90 per LF		CIPP Sewer Lining $45 per LF		Trenchless Water Install $300 per LF		Total Cost	Comment
			Length (LF)	Cost	Length (LF)	Cost	Length (LF)	Cost		
2nd Street	Carlton Avenue	Cloquet Avenue	1,750	$ 157,500	0	$ -	0	$ -	$ 157,500	Includes portion of Avenue F
Industry Avenue	10th Street	13th Street	1,050	$ 94,500	0	$ -	0	$ -	$ 94,500	
Front Road	5th Street	8th Street	600	$ 54,000	0	$ -	0	$ -	$ 54,000	Parking area for US Bank & Veterans Park
Avenue C	14th Street	18th Street	1,300	$ 117,000	0	$ -	1,600	$ 480,000	$ 597,000	Water portion includes 13th Street Area, possible water is OK (no install date)
15th Street	Cloquet Avenue	Avenue B	600	$ 54,000	0	$ -	0	$ -	$ 54,000	
18th Street	Avenue C	Avenue B	350	$ 31,500	0	$ -	0	$ -	$ 31,500	
18th Street	Cloquet Avenue	Avenue C	300	$ 27,000	0	$ -	0	$ -	$ 27,000	
4th Street	Avenue G	Cloquet Avenue	1,150	$ 103,500	0	$ -	750	$ 225,000	$ 328,500	
5th Street	Avenue F	Cloquet Avenue	750	$ 67,500	0	$ -	750	$ 225,000	$ 292,500	
6th Street	Avenue G	Cloquet Avenue	1,150	$ 103,500	0	$ -	1,150	$ 345,000	$ 448,500	
8th Street	Carlton Avenue	Cloquet Avenue	1,400	$ 126,000	0	$ -	1,450	$ 435,000	$ 561,000	
9th Street	Carlton Avenue	Avenue F	750	$ 67,500	0	$ -	750	$ 225,000	$ 292,500	
10th Street	Carlton Avenue	Cloquet Avenue	1,400	$ 126,000	0	$ -	1,450	$ 435,000	$ 561,000	
11th Street	Carlton Avenue	Avenue F	750	$ 67,500	0	$ -	750	$ 225,000	$ 292,500	
11th Street	Avenue F	$ 1,950,000	750	$ 67,500	0	$ -	750	$ 225,000	$ 292,500	
15th Street	Carlton Avenue	Cloquet Avenue	1,300	$ 117,000	0	$ -	0	$ -	$ 117,000	
18th Street	Carlton Avenue	Cloquet Avenue	1,300	$ 117,000	0	$ -	0	$ -	$ 117,000	
22nd Street	Carlton Avenue	Avenue B	2,200	$ 198,000	0	$ -	0	$ -	$ 198,000	
Avenue F	4th Street	9th Street	1,200	$ 108,000	0	$ -	1,200	$ 360,000	$ 468,000	Assumes new water to provide add'l looping
Avenue F	9th Street	14th Street	1,400	$ 126,000	0	$ -	1,400	$ 420,000	$ 546,000	
Avenue F	14th Street	18th Street	1,500	$ 135,000	0	$ -	1,500	$ 450,000	$ 585,000	
Avenue G	3rd Street	5th Street	450	$ 40,500	0	$ -	225	$ 67,500	$ 108,000	
Avenue G	14th Street	22nd Street	2,600	$ 234,000	0	$ -	1,500	$ 450,000	$ 684,000	
Carlton Avenue	7th Street	22nd Street	4,500	$ 405,000	0	$ -	0	$ -	$ 405,000	
Carlton Avenue	22nd Street	Scanlon Way	1,750	$ 157,500	0	$ -	0	$ -	$ 157,500	Assumes water is OK. Age data unavailable
11th Street	Prospect Avenue	Carlton Avenue	1,250	$ 112,500	0	$ -	0	$ -	$ 112,500	
16th Street	Selmser Avenue	Carlton Avenue	650	$ 58,500	0	$ -	650	$ 195,000	$ 253,500	Replaces undersized watermain
27th Street	Prospect Avenue	Selmser Avenue	700	$ 63,000	0	$ -	400	$ 120,000	$ 183,000	
Prospect Avenue	25th Street	28th Street	700	$ 63,000	0	$ -	0	$ -	$ 63,000	Borders Scanlon
16th Street	Fairview Avenue	Prospect Avenue	300	$ 27,000	0	$ -	0	$ -	$ 27,000	
8th Street	Washington Avenue	Wilson Avenue	0	$ -	0	$ -	500	$ 150,000	$ 150,000	1 recorded break
Taylor Avenue	8th Street	12th Street	750	$ 67,500	0	$ -	0	$ -	$ 67,500	No utilities in roadway
Wilson Avenue	8th Street	12th Street	750	$ 67,500	0	$ -	0	$ -	$ 67,500	No utilities in roadway
Easement N of Taylor	8th Street	10th Street	550	$ 82,500	0	$ -	550	$ 82,500	$ 165,000	Sewer has been lined, likely not enough room for HDD
Easement N of Wilson	8th Street	12th Street	750	$ 112,500	0	$ -	750	$ 112,500	$ 225,000	Sewer has been lined, likely not enough room for HDD
Easement N of Washington	8th Street	12th Street	750	$ 112,500	0	$ -	750	$ 112,500	$ 225,000	2 recorded water breaks, sewer has been lined, likely not enough room for HDD
Lincoln Avenue	14th Street	15th Street	300	$ 27,000	125	$ 5,625	0	$ -	$ 32,625	
Holmes Drive	Doddridge Avenue	8th Street	0	$ -	0	$ -	1,150	$ 345,000	$ 345,000	Road in good condition, no sewer
Washington Avenue	14th Street	22nd Street	0	$ -	2,600	$ 117,000	2,600	$ 780,000	$ 897,000	
Tall Pine Lane	Hwy 33	14th Street	2,600	$ 650,000	0	$ -	0	$ -	$ 650,000	2 recorded water breaks
Gillette Road	Hwy 33	Hwy 33	1,800	$ 450,000	0	$ -	0	$ -	$ 450,000	
E TH 33 Frontage Road	--	Walmart Entrance		$ -		$ -	1,750	$ 262,500	$ 262,500	3 recorded water breaks
E TH 33 Frontage Road	Walmart Entrance	Washington Ave		$ -		$ -	1,350	$ 202,500	$ 202,500	1 recorded water break
Maplewood Ave	14th Street	18th Street	1,300	$ 325,000	0	$ -	1,100	$ 165,000	$ 490,000	2 recorded water breaks
Maplewood Ave	18th Street	20th Street	700	$ 175,000	0	$ -	550	$ 82,500	$ 257,500	1 recorded water break
Maplewood Ave	20th Street	21st Street	0	$ -	0	$ -	400	$ 60,000	$ 60,000	1 recorded water break
Grant Ave	19th Street	20th Street	300	$ 75,000	0	$ -	0	$ -	$ 75,000	

Exhibit 1 - Rehabilitation & Standalone Utility Projects

Project Name	Start	End	Pavement Rehab $90 per LF		CIPP Sewer Lining $45 per LF		Trenchless Water Install $300 per LF		Total Cost	Comment
			Length (LF)	Cost	Length (LF)	Cost	Length (LF)	Cost		
20th Street	Maplewood Ave	Washington Ave	1,330	$ 332,500	0	$ -	1,050	$ 157,500	$ 490,000	2 recorded water breaks
Carlton Ave W	Reservation Road	Birch Street	3,100	$ 775,000	0	$ -	0	$ -	$ 775,000	
Birch Street	Big Lake Road	Carlton Ave W	1,400	$ 350,000	0	$ -	0	$ -	$ 350,000	
Balsam Street	Big Lake Road	Carlton Ave W	1,400	$ 350,000	0	$ -	0	$ -	$ 350,000	
Larch Street	Big Lake Road	Carlton Ave W	1,400	$ 350,000	0	$ -	0	$ -	$ 350,000	
Hawthorne Street	Big Lake Road	Carlton Ave W	1,400	$ 350,000	0	$ -	0	$ -	$ 350,000	1 recorded water break
Laurel Street	Big Lake Road	Park Ave	1,900	$ 475,000	0	$ -	0	$ -	$ 475,000	
South Laurel Street	--	Big Lake Road	1,450	$ 362,500	0	$ -	0	$ -	$ 362,500	
Poplar Street	Birch Street	Laurel Street	1,500	$ 375,000	0	$ -	0	$ -	$ 375,000	
Oak Street	Carlton Ave W	Park Ave	550	$ 137,500	0	$ -	0	$ -	$ 137,500	
South Oak Street	--	Big Lake Road	2,300	$ 575,000	0	$ -	0	$ -	$ 575,000	2 recorded water breaks however wm installed in 2008
Maple Street	Park Ave	Carlton Ave W	550	$ 137,500	0	$ -	0	$ -	$ 137,500	
Spruce Street	--	Carlton Ave W	300	$ 75,000	0	$ -	0	$ -	$ 75,000	
Walnut Street	Park Ave	Carlton Ave W	550	$ 137,500		$ -		$ -	$ 137,500	
Park Ave	Laurel Street	Allen Street	320	$ 80,000	0	$ -	0	$ -	$ 80,000	
Allen Street	Big Lake Road	Park Ave	1,900	$ 475,000	0	$ -	0	$ -	$ 475,000	1 recorded water break
Poplar Street	Allen Street	Rita Cir	500	$ 125,000	0	$ -	0	$ -	$ 125,000	
Rita Circle	Poplar Ave	Eleanore Dr	680	$ 170,000	0	$ -	0	$ -	$ 170,000	
Eleanore Drive	Prospect Ave W	Spruce Street	800	$ 200,000	0	$ -	400	$ 60,000	$ 260,000	1 recorded water break
Ave E W	Chestnut Street	Market Street	400	$ 100,000	0	$ -	0	$ -	$ 100,000	
Park Ave	Chestnut Street	Pinehurst Park Dr	260	$ 65,000	0	$ -	0	$ -	$ 65,000	
Market Street	Park Ave	Ave E	260	$ 65,000	0	$ -	0	$ -	$ 65,000	
Market Street	Ave D	Ave A	850	$ 212,500	0	$ -	0	$ -	$ 212,500	
Ave A	Chestnut Street	Arch Street	870	$ 217,500	0	$ -	0	$ -	$ 217,500	
8th Street	Cloquet Ave	Ave B E	500	$ 125,000	0	$ -	500	$ 75,000	$ 200,000	
9th Street N	Cloquet Ave	Ave B E	450	$ 112,500	0	$ -	0	$ -	$ 112,500	
10th Street N	Cloquet Ave	Industry Ave	490	$ 122,500	0	$ -	0	$ -	$ 122,500	
11th Street N	Cloquet Ave	Ave B E	450	$ 112,500	0	$ -	0	$ -	$ 112,500	
13th Street N	Cloquet Ave	Ave B E	0	$ -	0	$ -	450	$ 67,500	$ 67,500	
Main Street	St. Louis Ave	Broadway Street	430	$ 107,500	0	$ -	0	$ -	$ 107,500	
Boulder Drive	--	Hwy 33	600	$ 150,000	0	$ -	0	$ -	$ 150,000	
Adams Street	Skyline Blvd	Hwy 33	2,300	$ 575,000	0	$ -	0	$ -	$ 575,000	
William Street	Adams Street	Garfield Street	400	$ 100,000	0	$ -	400	$ 60,000	$ 160,000	4 recorded water breaks
William Street	Garfield Street	Arthur Street	450	$ 112,500	0	$ -	0	$ -	$ 112,500	
Garfield Street	North Road	--	700	$ 175,000	0	$ -	400	$ 60,000	$ 235,000	3 recorded water breaks
Garfield Street	Jasper Street	Granite Street	270	$ 67,500	0	$ -	0	$ -	$ 67,500	
Slate Street	Adams Street	Arthur Street	840	$ 210,000	0	$ -	0	$ -	$ 210,000	
Slate Street	Arthur Street	Jefferson Street	460	$ 115,000	0	$ -	400	$ 60,000	$ 175,000	4 recorded water breaks
Agate Street	Adams Street	Garfield Street	420	$ 105,000	0	$ -	0	$ -	$ 105,000	
Granite Street	Adams Street	Arthur Street	850	$ 212,500	0	$ -	0	$ -	$ 212,500	
Jasper Street	Adams Street	Ridgewood Drive	1,500	$ 375,000	0	$ -	0	$ -	$ 375,000	
Skyline Blvd	Adams Street	Arthur Street	0	$ -	0	$ -	860	$ 129,000	$ 129,000	1 recorded water break
Arthur Street	North Road	William Street	350	$ 87,500	0	$ -	0	$ -	$ 87,500	
Jefferson Street	Jasper Street	Granite Street	270	$ 67,500	0	$ -	0	$ -	$ 67,500	
Arthur Street	Skyline Blvd	Granite Street	0	$ -	600	$ 27,000	0	$ -	$ 27,000	
Arthur Street	Agate Street	Slate Street	0	$ -	300	$ 13,500	0	$ -	$ 13,500	
Ridgewood Dr	North Road	Jefferson Street	1,200	$ 300,000	0	$ -	0	$ -	$ 300,000	
Granite Street	Ridgewood Dr	Monroe Ave	1,250	$ 312,500	0	$ -	900	$ 135,000	$ 447,500	5 recorded water main breaks
Jasper Street	Dalewood Ave	Woodside Ave	580	$ 145,000	0	$ -	0	$ -	$ 145,000	

Exhibit 1 - Rehabilitation & Standalone Utility Projects

Project Name	Start	End	Pavement Rehab $90 per LF		CIPP Sewer Lining $45 per LF		Trenchless Water Install $300 per LF		Total Cost	Comment
			Length (LF)	Cost	Length (LF)	Cost	Length (LF)	Cost		
Woodside Ave	Pearl Street	Slate Street	1,000	$ 250,000	0	$ -	900	$ 135,000	$ 385,000	2 recorded water breaks
Monroe Ave	Pearl Street	North Road	1,300	$ 325,000	0	$ -	0	$ -	$ 325,000	1 recorded water break
Jackson Ave	Pearl Street	Slate Street	950	$ 237,500	0	$ -	0	$ -	$ 237,500	
Jackson Ave	Slate Street	North Road	440	$ 110,000	0	$ -	0	$ -	$ 110,000	
Barbara Cir	Slate Street	--	700	$ 175,000	0	$ -	0	$ -	$ 175,000	
Jean Marie Street	Slate Street	North Road	1,200	$ 300,000	0	$ -	0	$ -	$ 300,000	
Linda Lane	Jean Marie Street	Slate Street	1,200	$ 300,000	0	$ -	0	$ -	$ 300,000	
Kenneth Dr	Linda Lane	Heather Drive	670	$ 167,500	0	$ -	0	$ -	$ 167,500	
Laine Road	North Road	W St. Louis River Rd	10,800	$ 2,700,000	0	$ -	0	$ -	$ 2,700,000	
Nelson Road	Nelson Road Bypass	W Cord Rd	3,250	$ 812,500	0	$ -	0	$ -	$ 812,500	
Nelson Road Bypass	Nelson Road	Hwy 33	400	$ 100,000	0	$ -	0	$ -	$ 100,000	
Kallstrom Road	--	Freeman Road	2,650	$ 662,500	0	$ -	0	$ -	$ 662,500	
Olympic Drive	Armory Road	Armory Road	1,400	$ 350,000	0	$ -	0	$ -	$ 350,000	
Spring Lake Road	Hantz Road	White Pine Trail	3,300	$ 825,000	0	$ -	0	$ -	$ 825,000	
Spring Lake Road	Armory Road	Big Lake Road	3,300	$ 825,000	0	$ -	0	$ -	$ 825,000	
Hantz Road	Spring Lake Road	Hwy 33	2,600	$ 650,000	0	$ -	0	$ -	$ 650,000	
Scobie Ave	W Lawrence Street	Frederick Street	750	$ 187,500	0	$ -	0	$ -	$ 187,500	
Robert Street	--	Frontage Road	1,100	$ 275,000	0	$ -	0	$ -	$ 275,000	
W. Lawrence Road	--	Frontage Road	1,000	$ 250,000	0	$ -	0	$ -	$ 250,000	
Walter Ave	Carl Street	Ann Street	460	$ 115,000	0	$ -	0	$ -	$ 115,000	
Aljo Road	--	Frontage Road	660	$ 165,000	0	$ -	0	$ -	$ 165,000	
Gregg Road	Margaret Drive	David Road	2,530	$ 632,500	0	$ -	0	$ -	$ 632,500	
Stephen Road	David Road	14th Street	1,900	$ 475,000	0	$ -	0	$ -	$ 475,000	
David Road	Gregg Road	14th Street	2,000	$ 500,000	0	$ -	0	$ -	$ 500,000	
Roland Road	Gregg Road	--	3,550	$ 887,500	0	$ -	0	$ -	$ 887,500	
Lawrence Road	Gregg Road	--	3,700	$ 925,000	0	$ -	0	$ -	$ 925,000	
John Road	14th Street	--	1,300	$ 325,000	0	$ -	0	$ -	$ 325,000	
Janis Road	14th Street	--	1,400	$ 350,000	0	$ -	0	$ -	$ 350,000	
Jane Road	14th Street	--	1,350	$ 337,500	0	$ -	0	$ -	$ 337,500	
Otter Creek Drive	Moorhead Road	Cedar Valley Drive	3,800	$ 950,000	0	$ -	0	$ -	$ 950,000	
Maple Hill Drive	Otter Creek Drive	Cedar Valley Drive	1,050	$ 262,500	0	$ -	0	$ -	$ 262,500	
Cedar Valley Drive	Otter Creek Drive	Maple Hill Drive	1,250	$ 312,500	0	$ -	0	$ -	$ 312,500	
Alley N of Avenue F	9th Street	11th Street	520	$ 46,800	0	$ -	0	$ -	$ 46,800	
Alley S of Avenue F	9th Street	11th Street	520	$ 46,800	0	$ -	0	$ -	$ 46,800	
Alley N of Carlton Ave	9th Street	11th Street	520	$ 46,800	0	$ -	0	$ -	$ 46,800	
Alley Wof 12th Street	Cloquet Avenue	Carlton Ave	1,255	$ 112,950	0	$ -	0	$ -	$ 112,950	
Alley Wof 13th Street	Cloquet Avenue	Carlton Ave	1,255	$ 112,950	0	$ -	0	$ -	$ 112,950	
Alley W of 14th Street	Cloquet Avenue	Carlton Ave	1,110	$ 99,900	0	$ -	0	$ -	$ 99,900	
Alley W of 15th Street	Cloquet Avenue	Carlton Ave	1,115	$ 100,350	0	$ -	0	$ -	$ 100,350	
Alley W of 16th Street	Cloquet Avenue	Carlton Ave	1,115	$ 100,350	0	$ -	0	$ -	$ 100,350	
Alley W of 17th Street	Cloquet Avenue	Carlton Ave	1,115	$ 100,350	0	$ -	0	$ -	$ 100,350	
Alley W of 18th Street	Cloquet Avenue	Carlton Ave	1,115	$ 100,350	0	$ -	0	$ -	$ 100,350	
Alley N of Ave F	14th Street	18th Street	1,300	$ 117,000	0	$ -	0	$ -	$ 117,000	
Alley S of Ave F	13th Street	14th Street	300	$ 27,000	0	$ -	0	$ -	$ 27,000	
Alley W of 3rd Street	Selmser Ave	Prospect Ave	750	$ 67,500	0	$ -	0	$ -	$ 67,500	
Alley W of 4th Street	Selmser Ave	Prospect Ave	580	$ 52,200	0	$ -	0	$ -	$ 52,200	
Alley W of 7th Street	Selmser Ave	Prospect Ave	580	$ 52,200	0	$ -	0	$ -	$ 52,200	
Alley W of 8th Street	Selmser Ave	Prospect Ave	580	$ 52,200	0	$ -	0	$ -	$ 52,200	
Alley N of Prospect Ave	Alley	9th Ave	400	$ 36,000	0	$ -	0	$ -	$ 36,000	
Alley N of Prospect Ave	9th Street	11th Street	550	$ 49,500	0	$ -	0	$ -	$ 49,500	

Exhibit 1 - Rehabilitation & Standalone Utility Projects

Project Name	Start	End	Pavement Rehab $90 per LF		CIPP Sewer Lining $45 per LF		Trenchless Water Install $300 per LF		Total Cost	Comment
			Length (LF)	Cost	Length (LF)	Cost	Length (LF)	Cost		
Alley W of 13th Street	Carlton Ave	Selmser Ave	600	$ 54,000	0	$ -	0	$ -	$ 54,000	
Alley W of 14th Street	Carlton Ave	Selmser Ave	600	$ 54,000	0	$ -	0	$ -	$ 54,000	
Alley N of Concord Ave	14th Street	16th Street	600	$ 54,000	0	$ -	0	$ -	$ 54,000	
Alley S of Concord Ave	14th Street	16th Street	600	$ 54,000	0	$ -	0	$ -	$ 54,000	
Alley W of 20th Street	Carlton Ave	Selmser Ave	600	$ 54,000	0	$ -	0	$ -	$ 54,000	
Alley W of 21st Street	Carlton Ave	Selmser Ave	600	$ 54,000	0	$ -	0	$ -	$ 54,000	
Alley E of 18th Street	Prospect Ave	Selmser Ave	600	$ 54,000	0	$ -	0	$ -	$ 54,000	
6 1/2 Street	Prospect Ave	7th Street	380	$ 34,200	0	$ -	0	$ -	$ 34,200	
Alley N of White Ave	--	10th Street	250	$ 22,500	0	$ -	0	$ -	$ 22,500	
Alley S of White Ave	--	10th Street	190	$ 17,100	0	$ -	0	$ -	$ 17,100	
Alley E of 14th Street	Fairview Ave	Prospect Ave	330	$ 29,700	0	$ -	0	$ -	$ 29,700	
Alley W of 15th Street	Tall Pine Lane	Maplewood Ave	660	$ 165,000	0	$ -	1,330	$ 199,500	$ 364,500	
Alley W of 16th Street	Kenwood Ave	Maplewood Ave	280	$ 70,000	0	$ -	0	$ -	$ 70,000	
Alley W of Maple St	Park Ave	Carlton Ave W	550	$ 49,500	0	$ -	0	$ -	$ 49,500	
Alley W of Spruce St	--	Carlton Ave W	550	$ 49,500	0	$ -	0	$ -	$ 49,500	
Alley W of Chestnut St	Carlton Ave W	Park Ave	550	$ 49,500	0	$ -	0	$ -	$ 49,500	
Alley S of Carlton Ave W	Carlton Ave W	Chestnut Street	630	$ 56,700	0	$ -	0	$ -	$ 56,700	
Alley N of Ave B	Chestnut Street	Market Street	400	$ 36,000	0	$ -	0	$ -	$ 36,000	
Alley N of Ave E	Chestnut Street	Arch Street	870	$ 78,300	400	$ 40,000	400	$ 60,000	$ 178,300	
Alley E of Arch Street	Arch Street	--	130	$ 11,700	0	$ -	0	$ -	$ 11,700	
Alley S of Ave C	14th Street	18th Street	1,300	$ 117,000		$ -		$ -	$ 117,000	
Sunnyside Parking Lot	Slate Street		550	$ 49,526	0	$ -	0	$ -	$ 49,526	Currently gravel
Riverfront Trail Parking Lot	Hwy 33		333	$ 29,940	0	$ -	0	$ -	$ 29,940	
Spafford Campground Loop	Broadway Ave		1,259	$ 113,269	0	$ -	0	$ -	$ 113,269	
VFW Parking Lot	Ave B W		458	$ 41,243	0	$ -	0	$ -	$ 41,243	
Vets Park Parking Lot	Ave B E		828	$ 74,531	0	$ -	0	$ -	$ 74,531	
Police Station Front Lot	6th Street		199	$ 17,906	0	$ -	0	$ -	$ 17,906	
Police Station Back Lot	6th Street		230	$ 20,730	0	$ -	0	$ -	$ 20,730	
Police Station Back Top Lot	6th Street		257	$ 23,089	0	$ -	0	$ -	$ 23,089	
Royal Building Parking Lot	11th Street		554	$ 49,890	0	$ -	0	$ -	$ 49,890	
11th Street Parking Lot	11th Street		1,361	$ 122,445	0	$ -	0	$ -	$ 122,445	
Library Parking Lot	Concord Ave		994	$ 89,453	0	$ -	0	$ -	$ 89,453	
Athletic Park Parking Lot	Prospect Ave		409	$ 36,769	0	$ -	0	$ -	$ 36,769	Currently gravel
Hockey Arena Parking Lot	Olympic Drive		4,153	$ 373,744	0	$ -	0	$ -	$ 373,744	
Pine Valley Parking Lot	Olympic Drive		1,239	$ 111,514	0	$ -	0	$ -	$ 111,514	Currently gravel
Hilltop North Parking Lot	Hilltop Street		1,446	$ 130,110	0	$ -	0	$ -	$ 130,110	
Hilltop South Parking Lot	John Road		658	$ 59,246	0	$ -	0	$ -	$ 59,246	
Braun Park Parking Lot	Lawrence Road		3,257	$ 293,115	0	$ -	0	$ -	$ 293,115	
White Pine Ski Trail Parking	White Pine Trail		75	$ 6,776	0	$ -	0	$ -	$ 6,776	
Total Identified Projects			194,299	$ 35,422,695	4,025	$ 203,125	35,715	$ 8,436,000	$ 44,061,820	

Exhibit 2 - Full Roadway and Utility Reconstruction Projects

Project Name	Start	End	Street Reconstruct $250 per LF		Sewer Reconstruct $100 per LF		Water Reconstruct $150 per LF		Total Cost	Comment
			Length (LF)	Cost	Length (LF)	Cost	Length (LF)	Cost		
14th Street	Washington Avenue	Cloquet Avenue	2500	$ 250,000	4950	$ 495,000	5150	$ 772,500	$ 1,517,500	County Road, roadway costs assumes City share of storm sewer
Industry Avenue	Avenue B	10th Street	950	$ 237,500	800	$ 80,000	1300	$ 195,000	$ 512,500	Primary access and utility corridor for ULF
Avenue B	13th Street	22nd Street	2800	$ 700,000	0	$ -	0	$ -	$ 700,000	Currently concrete roadway
4th Street	Carlton Avenue	Avenue G	350	$ 87,500	350	$ 35,000	350	$ 52,500	$ 175,000	
5th Street	Avenue G	Avenue F	350	$ 87,500	350	$ 35,000	350	$ 52,500	$ 175,000	
6th Street	Carlton Avenue	Avenue G	350	$ 87,500	350	$ 35,000	350	$ 52,500	$ 175,000	
7th Street	Carlton Avenue	Cloquet Avenue	1450	$ 362,500	1450	$ 145,000	1450	$ 217,500	$ 725,000	
9th Street	Avenue F	Cloquet Avenue	700	$ 175,000	700	$ 70,000	700	$ 105,000	$ 350,000	
12th Street	Carlton Avenue	Cloquet Avenue	1450	$ 362,500	1300	$ 130,000	1450	$ 217,500	$ 710,000	
13th Street	Carlton Avenue	Cloquet Avenue	1450	$ 362,500	1450	$ 145,000	1450	$ 217,500	$ 725,000	
16th Street	Carlton Avenue	Cloquet Avenue	1300	$ 325,000	1300	$ 130,000	1300	$ 195,000	$ 650,000	
17th Street	Carlton Avenue	Cloquet Avenue	1350	$ 337,500	1350	$ 135,000	1350	$ 202,500	$ 675,000	
17th Street	Cloquet Avenue	Avenue C	270	$ 67,500	270	$ 27,000	270	$ 40,500	$ 135,000	
19th Street	Carlton Avenue	Avenue G	350	$ 87,500	350	$ 35,000	350	$ 52,500	$ 175,000	Current watermain is undersized
20th Street	Carlton Avenue	Avenue G	200	$ 50,000	200	$ 20,000	350	$ 52,500	$ 122,500	
Avenue G	6th Street	9th Street	750	$ 187,500	0	$ -	0	$ -	$ 187,500	Street may be in too poor of condition for overlay?
2nd Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1250	$ 125,000	1250	$ 187,500	$ 625,000	
3rd Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1100	$ 110,000	1250	$ 187,500	$ 610,000	2 recorded water breaks
4th Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1100	$ 110,000	1250	$ 187,500	$ 610,000	
6th Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1100	$ 110,000	1250	$ 187,500	$ 610,000	
7th Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1100	$ 110,000	1250	$ 187,500	$ 610,000	
8th Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1150	$ 115,000	1250	$ 187,500	$ 615,000	
9th Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1100	$ 110,000	1250	$ 187,500	$ 610,000	
10th Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1200	$ 120,000	1250	$ 187,500	$ 620,000	
12th Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1200	$ 120,000	1250	$ 187,500	$ 620,000	
13th Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1100	$ 110,000	1250	$ 187,500	$ 610,000	Watermain undersized, 1 recorded water break
17th Street	Prospect Avenue	Selmser Avenue	650	$ 162,500	650	$ 65,000	650	$ 97,500	$ 325,000	1 recorded water break
18th Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1250	$ 125,000	1250	$ 187,500	$ 625,000	
19th Street	Selmser Avenue	Carlton Avenue	650	$ 162,500	650	$ 65,000	650	$ 97,500	$ 325,000	Resolves dead end in water system
20th Street	Prospect Avenue	Carlton Avenue	1250	$ 312,500	1250	$ 125,000	1250	$ 187,500	$ 625,000	1 recorded water break
21st Street	Kelly Avenue	Carlton Avenue	1000	$ 250,000	1000	$ 100,000	1000	$ 150,000	$ 500,000	Resolves dead end in water system
25th Street	Prospect Avenue	Kelly Avenue	300	$ 75,000	300	$ 30,000	300	$ 45,000	$ 150,000	Lower priority
Concord Avenue	14th Street	16th Street	650	$ 162,500	650	$ 65,000	650	$ 97,500	$ 325,000	Lower priority
Selmser Avenue	10th Street	20th Street	2700	$ 845,000	2300	$ 230,000	2700	$ 405,000	$ 1,480,000	Adds water loops, 1700 LFnew storm sewer included in road cost, replaces undersized watermain and adds loops
Selmser Avenue	22nd Street	27th Street	1900	$ 475,000	1900	$ 190,000	1900	$ 285,000	$ 950,000	
Kelly Avenue	21st Street	22nd Street	850	$ 212,500	500	$ 50,000	600	$ 90,000	$ 352,500	3 breaks on line, Includes road construction for south leg of 21st
Kelly Avenue	22nd Street	27th Street	1900	$ 475,000	1900	$ 190,000	1700	$ 255,000	$ 920,000	
Prospect Avenue	3rd Street	18th Street	4000	$ 1,000,000	4300	$ 430,000	2600	$ 390,000	$ 1,820,000	Water extends to 2nd, adds water loops, lots of undersized main
Prospect Avenue	20th Street	25th Street	2300	$ 575,000	1650	$ 165,000	2300	$ 480,000	$ 1,220,000	Portion borders Scanlon, contains 16" concrete piping
4th Street	Doddridge Avenue	Prospect Avenue	650	$ 162,500	350	$ 35,000	650	$ 97,500	$ 295,000	Sewer is slightly undersized
7th Street	Doddridge Avenue	Prospect Avenue	650	$ 162,500	500	$ 50,000	650	$ 97,500	$ 310,000	1 recorded water break
8th Street	Doddridge Avenue	Prospect Avenue	650	$ 162,500	500	$ 50,000	650	$ 97,500	$ 310,000	
10th Street	Doddridge Avenue	Prospect Avenue	650	$ 162,500	350	$ 35,000	650	$ 97,500	$ 295,000	
12th Street	Doddridge Avenue	Prospect Avenue	650	$ 162,500	500	$ 50,000	650	$ 97,500	$ 310,000	Portion of sewer has been lined
20th Street	Fairview Avenue	Prospect Avenue	300	$ 75,000	300	$ 30,000	300	$ 45,000	$ 150,000	Water undersized, 1 recorded break
22nd Street	Washington Avenue	Prospect Avenue	2600	$ 650,000	1900	$ 190,000	2600	$ 455,000	$ 1,295,000	650 LF 16" Water
White Avenue	8th Street	10th Street	600	$ 150,000	400	$ 40,000	600	$ 90,000	$ 280,000	Gravel street to east, probably low priority
Fairview Avenue	14th Street	18th Street	1250	$ 312,500	1000	$ 100,000	1250	$ 187,500	$ 600,000	
Fairview Avenue	18th Street	20th Street	400	$ 100,000	400	$ 40,000	400	$ 60,000	$ 200,000	Lots of recorded breaks between 18th & 20th
Doddridge Avenue	TH 33	14th Street	3200	$ 1,120,000	1950	$ 195,000	2700	$ 405,000	$ 1,720,000	Concrete road, several water breaks
Doddridge Avenue	14th Street	22nd Street	2600	$ 650,000	2250	$ 225,000	2600	$ 390,000	$ 1,265,000	Several water breaks, road in good condition
7th Street	Sahlman Avenue	Doddridge Avenue	600	$ 150,000	600	$ 60,000	600	$ 90,000	$ 300,000	
8th Street	Sahlman Avenue	Doddridge Avenue	650	$ 162,500	650	$ 65,000	650	$ 97,500	$ 325,000	1 recorded water break
9th Street	Taylor Avenue	Sahlman Avenue	640	$ 160,000	340	$ 34,000	640	$ 96,000	$ 290,000	
9th Street	Sahlman Avenue	Doddridge Avenue	660	$ 165,000	660	$ 66,000	660	$ 99,000	$ 330,000	1 recorded water break, some CIPP sewer
10th Street	Taylor Avenue	Sahlman Avenue	650	$ 162,500	500	$ 50,000	650	$ 97,500	$ 310,000	
12th Street	Washington Avenue	Wilson Ave E	480	$ 120,000	0	$ -	480	$ 72,000	$ 192,000	3 recorded water breaks
12th Street	Wilson Ave E	Sahlman Avenue	820	$ 205,000	0	$ -	820	$ 123,000	$ 328,000	
12th Street	Sahlman Avenue	Doddridge Avenue	650	$ 227,500	500	$ 50,000	650	$ 97,500	$ 375,000	Adds loop, existing watermain undersized, converts to 2 way street. Adds storm sewer
15th Street	Washington Avenue	Wilson Avenue	650	$ 162,500	1000	$ 100,000	1500	$ 225,000	$ 487,500	Some unimproved utility corridors, 2 recorded water breaks
16th Street	Washington Avenue	Wilson Avenue	650	$ 162,500	800	$ 80,000	1000	$ 150,000	$ 392,500	1 recorded water break

Exhibit 2 - Full Roadway and Utility Reconstruction Projects

Project Name	Start	End	Street Reconstruct $250 per LF		Sewer Reconstruct $100 per LF		Water Reconstruct $150 per LF		Total Cost	Comment
			Length (LF)	Cost	Length (LF)	Cost	Length (LF)	Cost		
17th Street	Washington Avenue	Wilson Avenue	650	$ 162,500	500	$ 50,000	650	$ 97,500	$ 310,000	
15th Street	Washington Ave	--	0	$ -	0	$ -	350	$ 52,500	$ 52,500	
16th Street	Wilson Ave	Washington Ave	0	$ -	400	$ 40,000	350	$ 52,500	$ 92,500	
Easement N of Wilson Ave	15th Street	17th Street	0	$ -	500	$ 50,000	600	$ 90,000	$ 140,000	
Kenwood Ave	14th Street	16th Street	740	$ 259,000	0	$ -	0	$ -	$ 259,000	storm sewer added at $100/ft
15th Street	Tall Pine Lane	Maplewood Ave	1300	$ 455,000	0	$ -	0	$ -	$ 455,000	storm sewer added at $100/ft
16th Street	Tall Pine Lane	Maplewood Ave	1300	$ 455,000	0	$ -	0	$ -	$ 455,000	storm sewer added at $100/ft
Tall Pine Lane	14th Street	16th Street	750	$ 262,500	0	$ -	0	$ -	$ 262,500	1 recorded water breaks, storm sewer added at $100/ft
Tillman Court	7th Street	8th Street	350	$ 87,500	0	$ -	350	$ 52,500	$ 140,000	
Sahlman Avenue	9th Street	14th Street	1350	$ 337,500	1100	$ 110,000	1350	$ 202,500	$ 650,000	1 recorded water break
Sahlman Avenue	14th Street	18th Street	1300	$ 325,000	1100	$ 110,000	1300	$ 195,000	$ 630,000	
Dewey Avenue	12th Street	14th Street	800	$ 200,000	550	$ 55,000	800	$ 120,000	$ 375,000	1 recorded water break
Wilson Avenue	12th Street	14th Street	800	$ 200,000	550	$ 55,000	800	$ 120,000	$ 375,000	1 recorded water break
Wilson Avenue	14th Street	18th Street	1300	$ 325,000	1000	$ 100,000	1300	$ 195,000	$ 620,000	1 recorded water break
Washington Avenue	8th Street	12th Street	0	$ -	0	$ -	800	$ 120,000	$ 120,000	County road, no sewer. Lots of water breaks near 8th
Washington Avenue	12th Street	14th Street	0	$ -	0	$ -	800	$ 120,000	$ 120,000	County road, no sewer. Lots of water breaks near 8th
Alley W of Larch Street	Carlton Ave W	Big Lake Rd	1350	$ 135,000	1350	$ 135,000	1350	$ 202,500	$ 472,500	
Park Ave	Allen Street	Oak Street	280	$ 70,000	280	$ 28,000	280	$ 42,000	$ 140,000	
Alley N of Ave C	Ave B E	Market Street	400	$ 40,000		$ -	400	$ 60,000	$ 100,000	Private Sanitary
Park Place	--	Chestnut Street	400	$ 100,000		$ -		$ -	$ 100,000	
Ave D	Chestnut Street	Market Street	400	$ 100,000	0	$ -	400	$ 60,000	$ 160,000	No sanitary
Market Street	Ave E	Ave D	350	$ 87,500	0	$ -	350	$ 52,500	$ 140,000	
Chestnut Street	Reservation Road	Carlton Ave W	600	$ 150,000	0	$ -	600	$ 90,000	$ 240,000	
Chestnut Street	Carlton Ave W	Park Avenue	600	$ 150,000	0	$ -	600	$ 90,000	$ 240,000	
Pinehurst Park Dr	Geihan Way	Lake Street	0	$ -	590	$ 59,000	300	$ 45,000	$ 104,000	
Geihan Way	Pinehurst Park Dr	--	0	$ -	730	$ 73,000	730	$ 109,500	$ 182,500	
Ann Cir	Helen Cir	--	0	$ -	420	$ 42,000	420	$ 63,000	$ 105,000	
Alley N of Helen Cir	Geihan Way	Ann Cir	0	$ -	200	$ 20,000	200	$ 30,000	$ 50,000	
Helen Cir	Geihan Way	Ann Cir	300	$ 75,000	88	$ 8,800	300	$ 45,000	$ 128,800	
Prospect Ave W	Spring Lake Road	Geihan Way	350	$ 87,500	500	$ 50,000	0	$ -	$ 137,500	
Utility Easement	Geihan Way	Armory Road	0	$ -	660	$ 66,000	1550	$ 232,500	$ 298,500	2 recorded water breaks
Frontage Road	Big Lake Road	Armory Road	800	$ 200,000	0	$ -	0	$ -	$ 200,000	Pine Tree Plaza
Armory Road	Big Lake Road	Spring Lake Road	3200	$ 1,120,000	0	$ -	3200	$ 480,000	$ 1,600,000	Road price includes storm sewer
Spring Lake Road	White Pine Trail	Armory Road	500	$ 175,000	0	$ -	0	$ -	$ 175,000	Road price includes storm sewer
8th Street	Ave B E	Industry Ave	400	$ 100,000	0	$ -	400	$ 60,000	$ 160,000	1 recorded water break
Agate Street	Garfield Street	Jefferson Street	430	$ 107,500	730	$ 73,000	430	$ 64,500	$ 245,000	1 recorded water break
Granite Street	Arthur Street	Jefferson Street	470	$ 117,500	470	$ 47,000	470	$ 70,500	$ 235,000	1 recorded water break
Skyline Blvd	Arthur Street	Memorial Drive	350	$ 87,500	1050	$ 105,000	2000	$ 300,000	$ 492,500	
Granite Street	Hwy 33	Adams Street	400	$ 100,000	0	$ -	0	$ -	$ 100,000	
Garfield Street	Slate Street	North Road	250	$ 62,500	250	$ 25,000	250	$ 37,500	$ 125,000	1 recorded water break
Garfield Street	Agate Street	Slate Street	250	$ 62,500	0	$ -	0	$ -	$ 62,500	
Garfield Street	Granite Street	Agate Street	250	$ 62,500	250	$ 25,000	250	$ 37,500	$ 125,000	1 recorded water break
Pearl Street	Skyline Blvd	Dalewood Ave	720	$ 180,000	720	$ 72,000	720	$ 108,000	$ 360,000	
North Road	Ridgewood Dr	Jackson Ave	0	$ -	800	$ 80,000	1900	$ 285,000	$ 365,000	County Road
Easement E of Ridgewood Dr	North Road	Slate Street	0	$ -	230	$ 23,000	0	$ -	$ 23,000	No road
Dalewood Ave	Pearl Street	Slate Street	1000	$ 250,000	760	$ 76,000	1000	$ 150,000	$ 476,000	
Easement S of Granite Street	--	Dalewood Ave	0	$ -	300	$ 30,000	300	$ 45,000	$ 75,000	
Easement N of Granite Street	--	Dalewood Ave	0	$ -	250	$ 25,000	250	$ 37,500	$ 62,500	
Granite Street	Monroe Ave	Blaine Ave	600	$ 150,000	600	$ 60,000	600	$ 90,000	$ 300,000	2 recorded water breaks
Glenwood Ave	Slate Street	North Road	300	$ 75,000	0	$ -	300	$ 45,000	$ 120,000	
Jasper Street	Monroe Ave	Johnson Ave	900	$ 225,000	700	$ 70,000	900	$ 135,000	$ 430,000	2 recorded water breaks
Blaine Ave	Granite Road	Jasper Street	670	$ 167,500	670	$ 67,000	670	$ 100,500	$ 335,000	1 recorded water break
Slate Street	Ridgewood Dr	Dalewood Ave	250	$ 62,500	0	$ -	0	$ -	$ 62,500	
Johnson Ave	North Road	Jasper Street	950	$ 237,500	950	$ 95,000	950	$ 142,500	$ 475,000	
Total Identified Projects			97,480	$ 25,066,500	79,568	$ 7,956,800	99,090	$ 15,063,500	$ 48,086,800	

Exhibit 3 - Performance and Operations Driven Projects

Project Name	*Estimated Cost*	*Comment*
2nd Street Lift Station	$ 1,500,000	Very approximate estimate
Dunlap Island Lift Station	$ 1,500,000	Very approximate estimate
North Water Tower	$ 2,500,000	500,000 gallon tower, does not include land acquisition
North Water Treatment Plant	$ 4,000,000	Very approximate estimate
North Water Loop	$ 1,300,000	Follows CountyRoads (Stark & Prevost), 4,100 LF HDD Water, 150 LF Casing pipe to cross TH33
Existing Water Tower Rehab	$ 1,100,000	Includes a complete sandblast and repaint
Braun Park Water Extension & Loop	$ 1,500,000	Portion under 14th (County Road), 4,600 LF HDD Water, 250 LF Casing pipe to cross I-35, no costs for work inside park
Spring Lake Reservoir Treatment	$ 580,000	1,100 LF HDD Water, also includes Well #1 rerouting direct to distribution with new pumps

Total	**$ 13,980,000**

Exhibit 4 - Projects by Year

	Project Name	Road Cost	Sewer Cost	Water Cost	Storm Cost	Special Funding	Total Cost	Roadway Funding	Description
2019	Pine Tree Plaza Frontage Road	$ 150,000	$ 125,000	$ 275,000	$ -	$ -	$ 550,000	Local	Frontage road and utility reconstruct
	North Water Loop	$ -	$ -	$ -	$ -	$ 1,300,000	$ 1,300,000	N/A	Required for redundancy in system and aims to improve water quality at business park
	Washington Avenue Sewer Extension	$ -	$ 85,000	$ 125,000	$ -	$ -	$ 210,000	County	County reconstructing roadway, includes sewer extension from 12th to 14th and water replacment from frontage road to 12th
	Misc. Street Rehab Projects	$ 400,000	$ -	$ -	$ -	$ -	$ 400,000	State Aid / Local	Misc projects selected on an as-needed basis
	Annual Subtotal	***$ 550,000***	***$ 210,000***	***$ 400,000***	***$ -***	***$ 1,300,000***	***$ 2,460,000***		
2020	14th Street Utility Infrastructure	$ -	$ 495,000	$ 772,500	$ 250,000	$ -	$ 1,517,500	County	Utility replacement as part of County roadway reconstruction, storm costs TBD
	20th Street Reconstruction	$ 375,000	$ 130,000	$ 225,000	$ 90,000	$ -	$ 820,000	Local	Includes 20th Street from Prospect Ave to Selmser Ave and Prospect Ave from 20th to 22nd
	20th Street Area Reconstruction	$ 500,000	$ 145,000	$ 300,000	$ -	$ -	$ 945,000	Local	Possible added value project to 20th Street reconstruction project
	Prospect Avenue Reconstruct	$ 1,000,000	$ 430,000	$ 390,000	$ -	$ -	$ 1,820,000	State Aid	Full road and utility reconstruct from 10th Street to 18th Street
	Misc. Street Rehab Projects	$ 400,000	$ -	$ -	$ -	$ -	$ 400,000	State Aid / Local	Misc projects selected on an as-needed basis
	Annual Subtotal	***$ 2,275,000***	***$ 1,200,000***	***$ 1,687,500***	***$ 340,000***	***$ -***	***$ 5,502,500***		
2021	Selmser Avenue Reconstruct	$ 845,000	$ 230,000	$ 405,000	$ 170,000	$ -	$ 1,480,000	State Aid	Full road and utility reconstruct from 10th Street to 20th Street, adds storm sewer
	17th Street Reconstruct	$ 162,500	$ 65,000	$ 97,500	$ -	$ -	$ 325,000	Local	Full road and utility reconstruct from Prospect Avenue to Selmser Avenue. Possibly part of another project.
	Sanitary Sewer CIPP Lining	$ -	$ 150,000	$ -	$ -	$ -	$ 150,000	N/A	Trunk main serving Sunnyside would be a primary cantidate, also Washington Avenue
	Misc. Street Rehab Projects	$ 400,000	$ -	$ -	$ -	$ -	$ 400,000	State Aid / Local	Misc projects selected on an as-needed basis
	Annual Subtotal	***$ 1,407,500***	***$ 445,000***	***$ 502,500***	***$ 170,000***	***$ -***	***$ 2,355,000***		
2022	Antus Addition/14th Street Utility Extension	$ -	$ -	$ -	$ -	$ 1,500,000	$ 1,500,000	N/A	Extends water to Braun Park, follows County Road. Creates loop across I-35
	Armory Road Reconstruct	$ 1,295,000	$ -	$ 480,000	$ 370,000	$ -	$ 1,775,000	State Aid	Full road and utility reconstruct from TH33 to White Pine Trail, adds storm sewer, resolves ownership issue
	17th Street Reconstruct	$ 405,000	$ 162,000	$ 243,000	$ -	$ -	$ 810,000	Local	Full road and utility reconstruct from Carlton Avenue to Avenue C
	Garfield Area Reconstruct	$ 512,500	$ 170,000	$ 210,000	$ -	$ -	$ 892,500	Local	Full road and utility reconstruct from Granite St to North Rd also on Agate St from Garfield St to Arthur St & Granite St from TH33 to Adams St
	Misc. Street Rehab Projects	$ 400,000	$ -	$ -	$ -	$ -	$ 400,000	State Aid / Local	Misc projects selected on an as-needed basis
	Annual Subtotal	***$ 2,612,500***	***$ 332,000***	***$ 933,000***	***$ 370,000***	***$ 1,500,000***	***$ 5,377,500***		
2023	Tall Pine Lane Area Reconstruct	$ 592,500		$ 105,000	$ 395,000	$ -	$ 1,092,500	Local	Resolves sump freezing issue creating ice buildup in streets by adding storm sewer
	12th Street Reconstruct	$ 227,500	$ 50,000	$ 97,500	$ 65,000	$ -	$ 375,000	Federal / Local	Full road and utility reconstruct from Salhman Ave to Doddridge Ave. Converts street to two way traffic for safety improvements, possible SRTS funding opportunity
	North Water Tower	$ -	$ -	$ -	$ -	$ 2,500,000	$ 2,500,000	N/A	Required for redundancy in system and ability to service existing water tower
	Misc. Street Rehab Projects	$ 400,000	$ -	$ -	$ -	$ -	$ 400,000	State Aid / Local	Misc projects selected on an as-needed basis
	Annual Subtotal	***$ 1,220,000***	***$ 50,000***	***$ 202,500***	***$ 460,000***	***$ 2,500,000***	***$ 4,367,500***		

* - All costs in 2018 dollars

Appendix B

City Provided Pavement Management System Data

Budget vs. Backlog Report

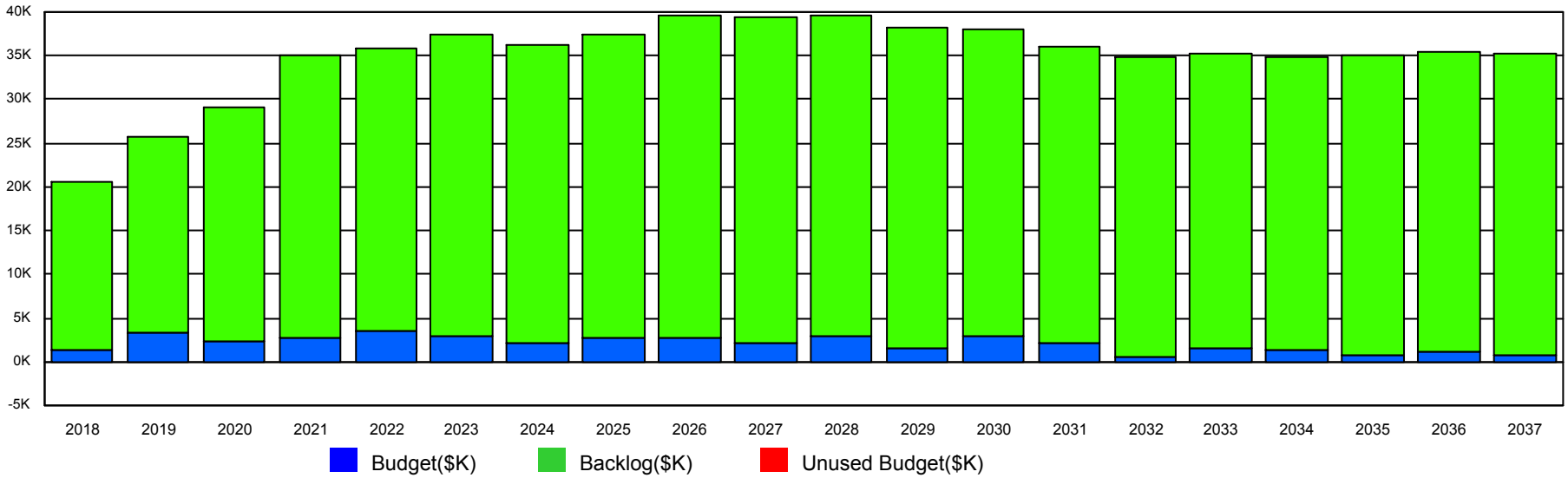
Scenario: 2018 maintain current PCI 20 years

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI
2018	1,369	0	1,369	19,219	14.04	63
2019	3,356	0	3,356	22,435	6.68	63
2020	2,359	0	2,359	26,661	11.30	63
2021	2,677	0	2,677	32,388	12.10	64
2022	3,479	0	3,479	32,423	9.32	64
2023	2,923	0	2,923	34,423	11.78	63
2024	2,259	0	2,259	33,904	15.01	63
2025	2,738	0	2,738	34,772	12.70	63
2026	2,854	0	2,854	36,724	12.87	64
2027	2,073	0	2,073	37,354	18.02	63
2028	2,974	0	2,974	36,637	12.32	64
2029	1,505	0	1,505	36,795	24.46	63
2030	2,974	0	2,974	34,969	11.76	64
2031	2,152	0	2,152	33,960	15.78	65
2032	673	0	673	34,183	50.82	64
2033	1,594	0	1,594	33,660	21.12	63
2034	1,318	0	1,318	33,511	25.42	64
2035	834	0	834	34,183	41.00	63
2036	1,240	0	1,240	34,177	27.56	64
2037	785	0	785	34,380	43.81	63

Budget vs. Backlog Report

Scenario: 2018 maintain current PCI 20 years

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI
Average:	**2,107**	**0**	**2,107**	**32,838**	**19.89**	**63.5**
Total:	**42,135**	**0**	**42,135**	**656,757**		

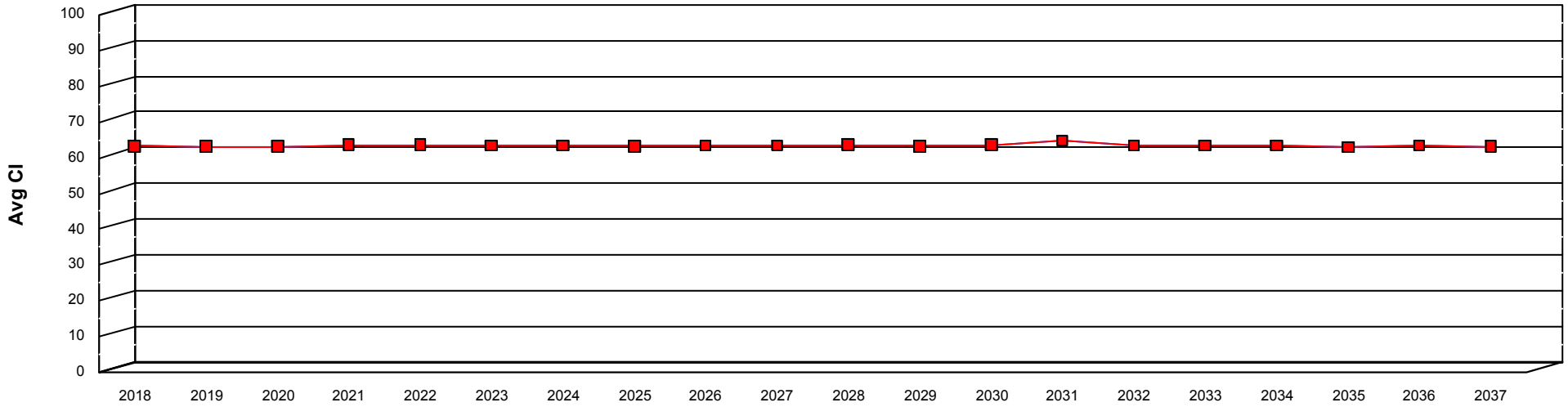


Budget vs. Backlog Report

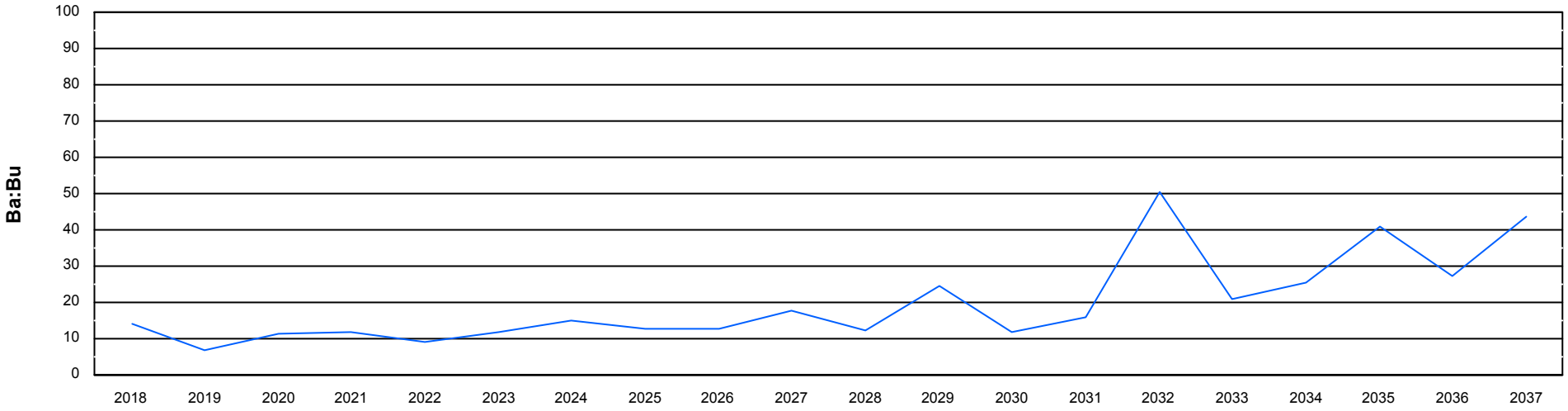
Scenario: 2018 maintain current PCI 20 years

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI

Average CI / Year



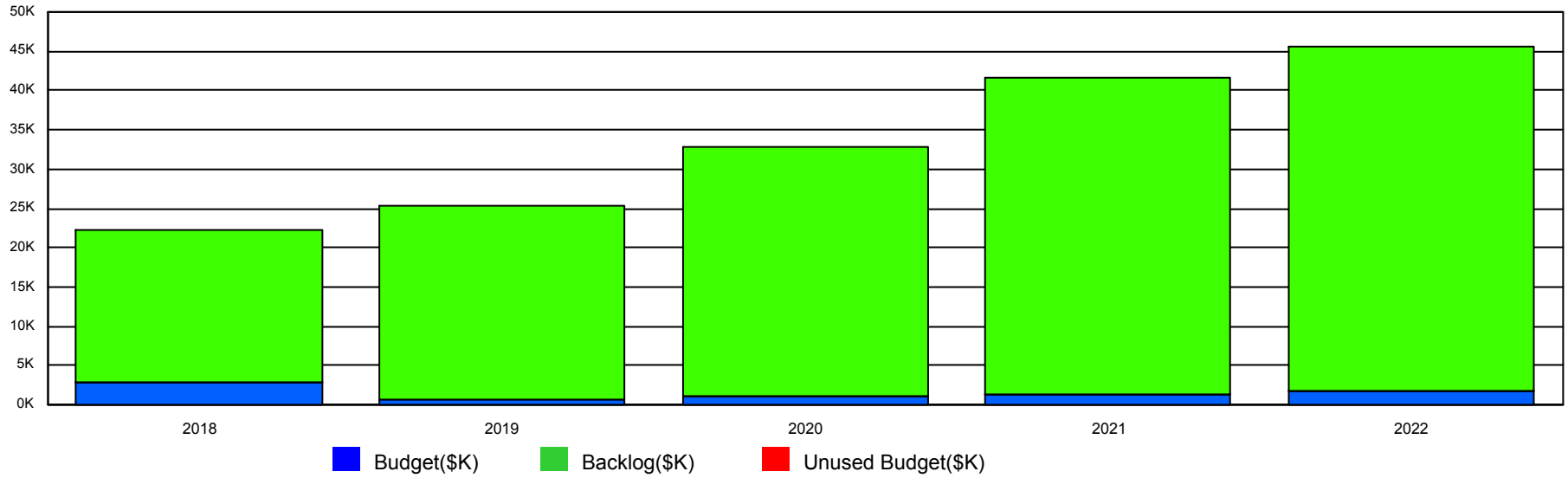
Backlog: Budget Ratio



Budget vs. Backlog Report

Scenario: 2018 CIP 5 year

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI
2018	2,942	7	2,935	19,387	6.61	64
2019	622	2	620	24,698	39.81	61
2020	1,143	6	1,137	31,620	27.81	60
2021	1,457	9	1,448	40,257	27.80	58
2022	1,827	8	1,819	43,762	24.06	56
Average:	**1,598**	**6**	**1,592**	**31,945**	**25.22**	**59.8**
Total:	**7,991**	**32**	**7,959**	**159,724**		

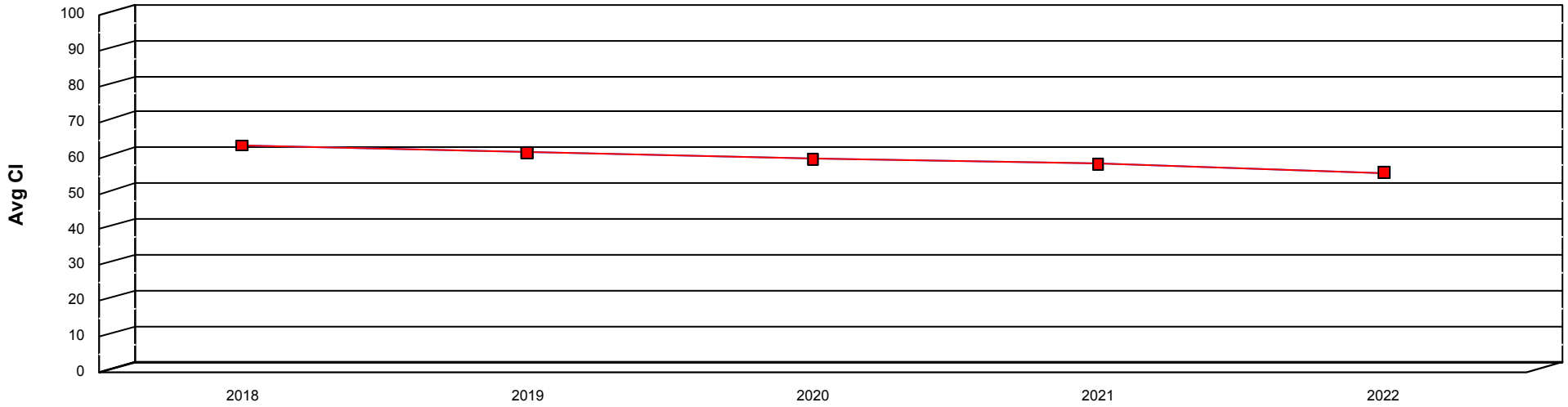


Budget vs. Backlog Report

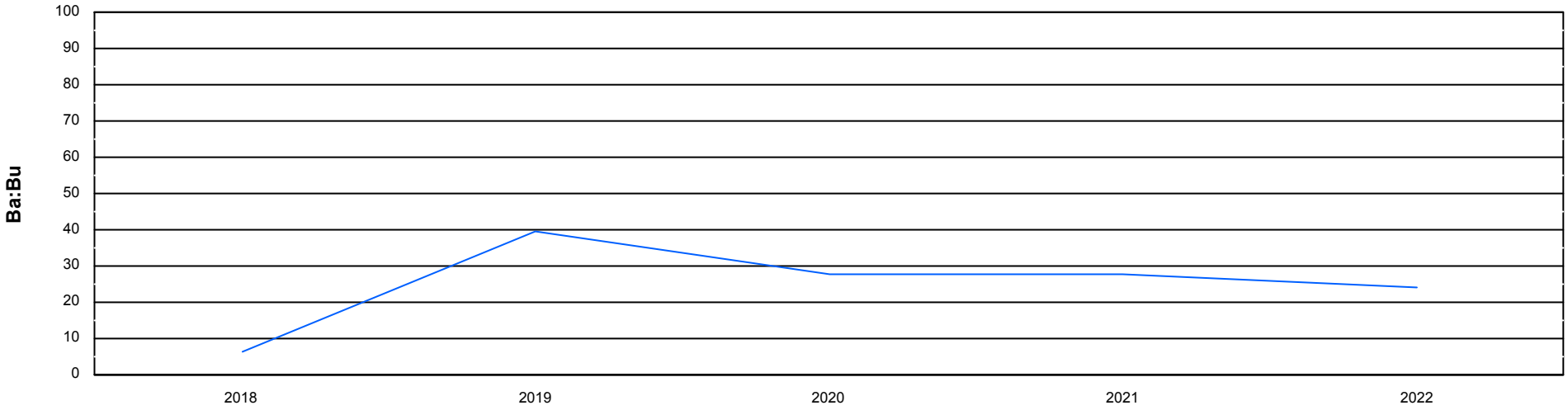
Scenario: 2018 CIP 5 year

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI

Average CI / Year



Backlog: Budget Ratio



Budget vs. Backlog Report

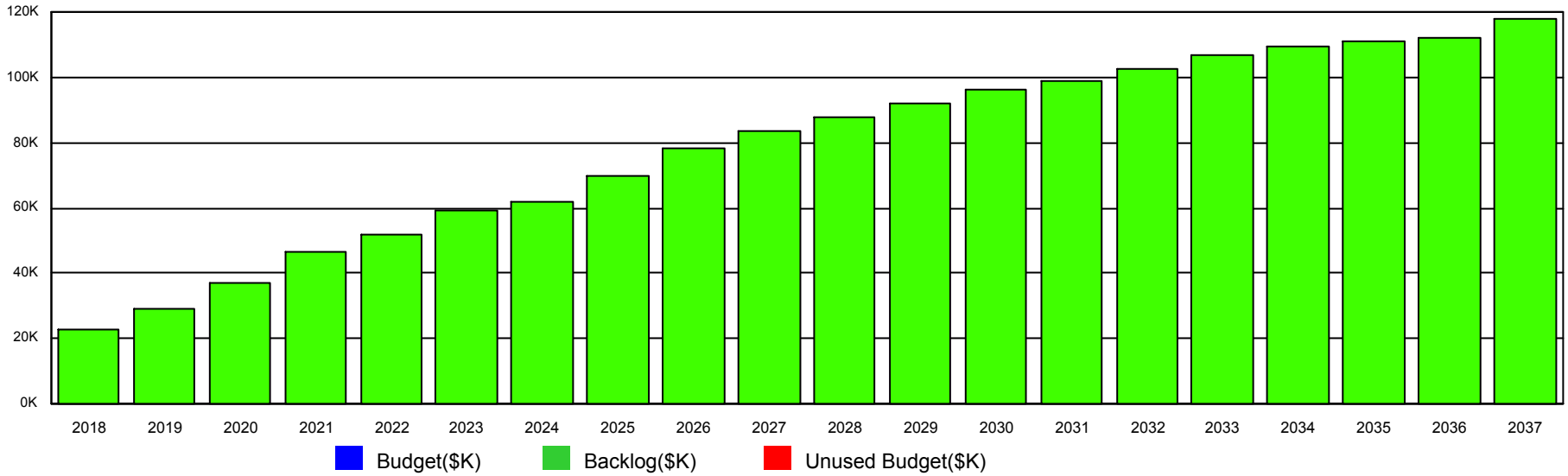
Scenario: 2018 Do Nothing-20 Years

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI
2018	0	0	0	22,965	1,000.00	60
2019	0	0	0	29,093	1,000.00	57
2020	0	0	0	36,811	1,000.00	53
2021	0	0	0	46,771	1,000.00	50
2022	0	0	0	51,811	1,000.00	46
2023	0	0	0	59,031	1,000.00	42
2024	0	0	0	62,148	1,000.00	38
2025	0	0	0	69,826	1,000.00	35
2026	0	0	0	78,220	1,000.00	31
2027	0	0	0	83,542	1,000.00	28
2028	0	0	0	87,997	1,000.00	25
2029	0	0	0	92,045	1,000.00	22
2030	0	0	0	96,059	1,000.00	20
2031	0	0	0	98,737	1,000.00	17
2032	0	0	0	102,777	1,000.00	15
2033	0	0	0	106,986	1,000.00	13
2034	0	0	0	109,365	1,000.00	11
2035	0	0	0	110,781	1,000.00	10
2036	0	0	0	111,834	1,000.00	8
2037	0	0	0	118,029	1,000.00	7

Budget vs. Backlog Report

Scenario: 2018 Do Nothing-20 Years

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI
Average:	**0**	**0**	**0**	**78,741**	**1,000.00**	**29.5**
Total:	**0**	**0**	**0**	**1,574,829**		

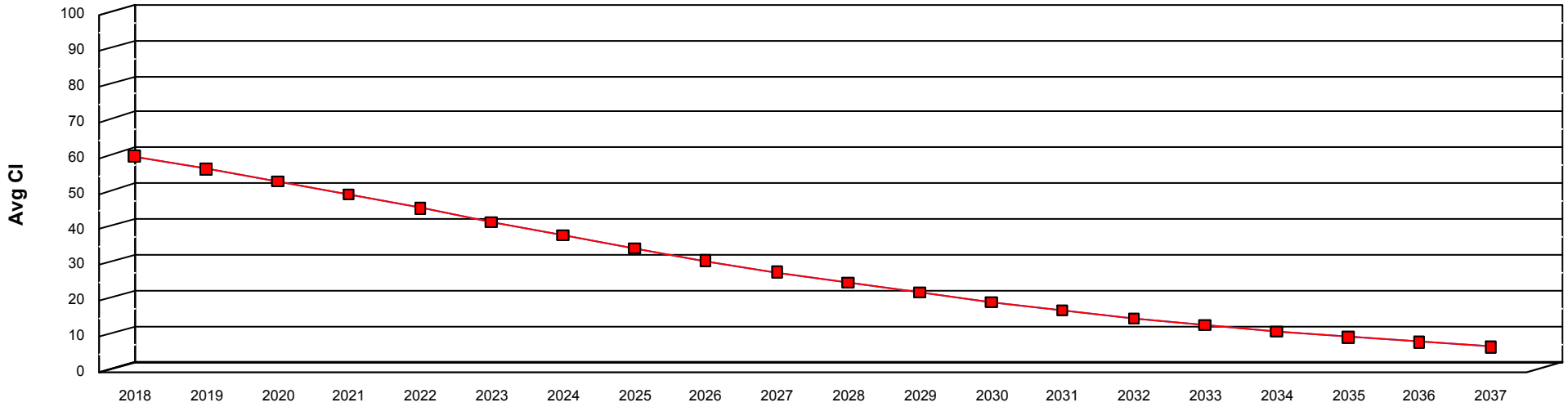


Budget vs. Backlog Report

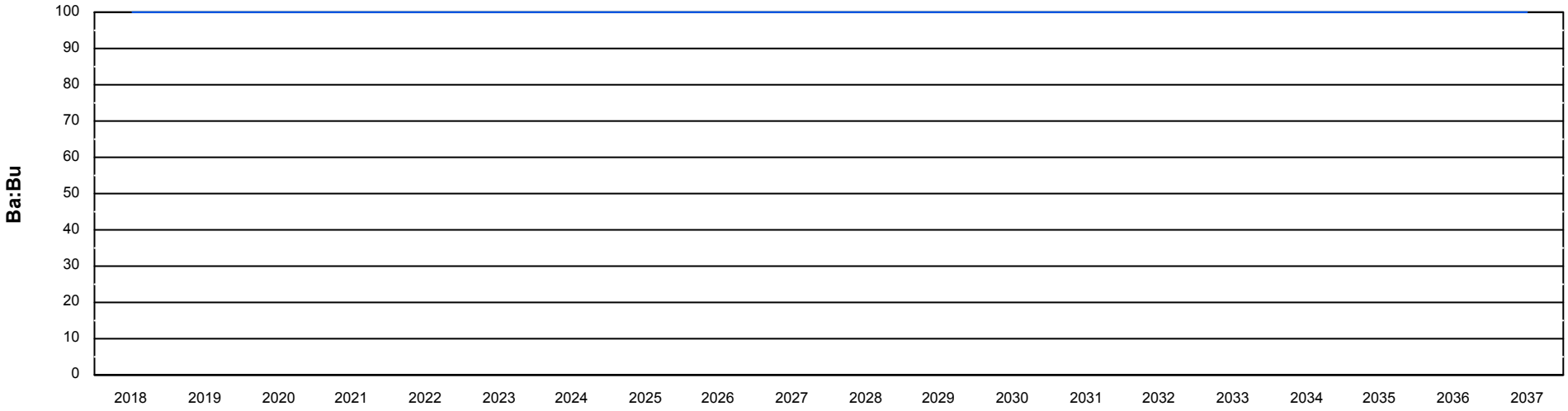
Scenario: 2018 Do Nothing-20 Years

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI

Average CI / Year



Backlog: Budget Ratio



Budget vs. Backlog Report

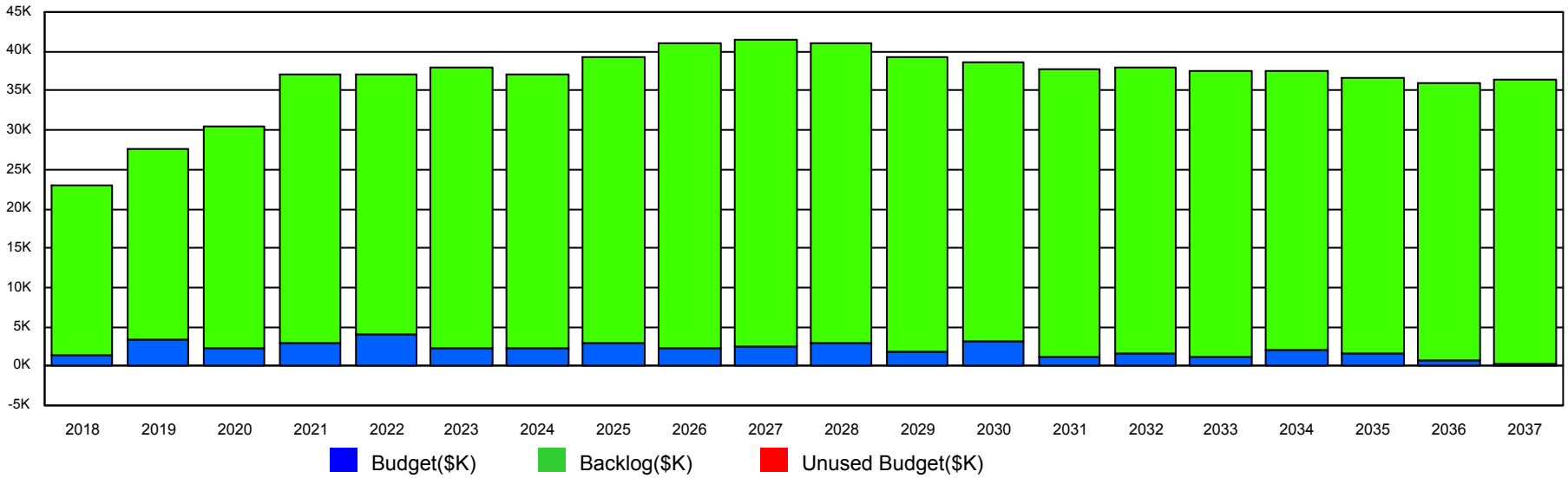
Scenario: 2018 maintain current PCI 20 years-locals up to 75

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI
2018	1,515	0	1,515	21,450	14.16	63
2019	3,332	0	3,332	24,246	7.28	63
2020	2,266	0	2,266	28,280	12.48	63
2021	2,893	0	2,893	34,128	11.80	64
2022	4,104	0	4,104	33,052	8.05	64
2023	2,266	0	2,266	35,605	15.72	64
2024	2,300	0	2,300	34,809	15.13	63
2025	2,898	0	2,898	36,293	12.52	63
2026	2,323	0	2,323	38,789	16.70	63
2027	2,481	0	2,481	38,884	15.67	63
2028	2,922	0	2,922	38,204	13.07	64
2029	1,965	0	1,965	37,400	19.04	63
2030	3,085	0	3,085	35,558	11.53	64
2031	1,118	0	1,118	36,526	32.68	63
2032	1,738	0	1,738	36,251	20.85	63
2033	1,272	0	1,272	36,251	28.50	63
2034	2,108	0	2,108	35,479	16.83	64
2035	1,585	0	1,585	35,092	22.14	65
2036	680	0	680	35,196	51.76	65
2037	254	0	254	36,070	141.82	64

Budget vs. Backlog Report

Scenario: 2018 maintain current PCI 20 years-locals up to 75

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI
Average:	**2,155**	**0**	**2,155**	**34,378**	**24.39**	**63.7**
Total:	**43,106**	**0**	**43,106**	**687,566**		

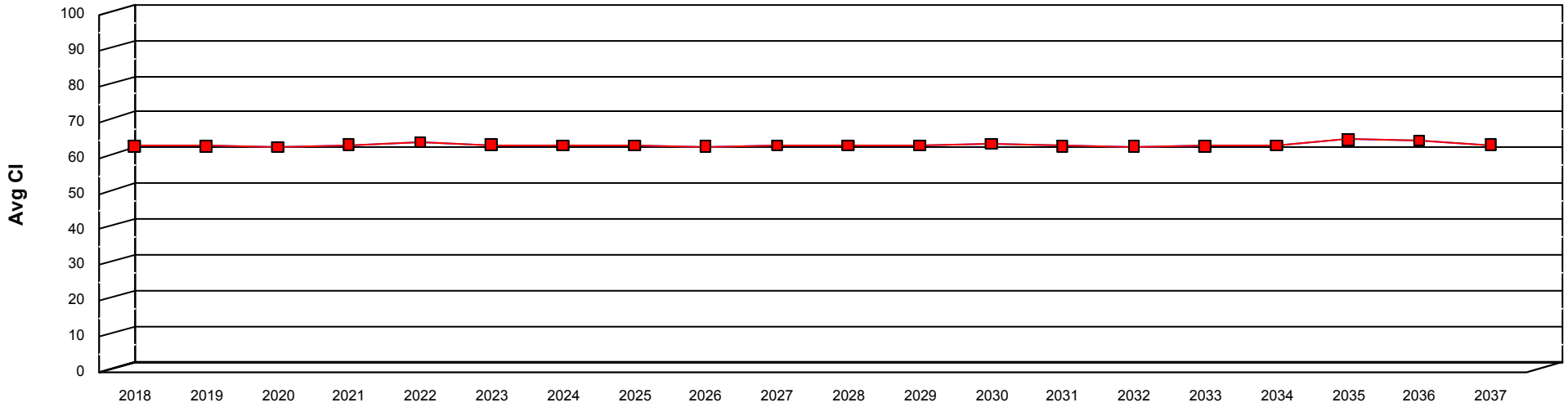


Budget vs. Backlog Report

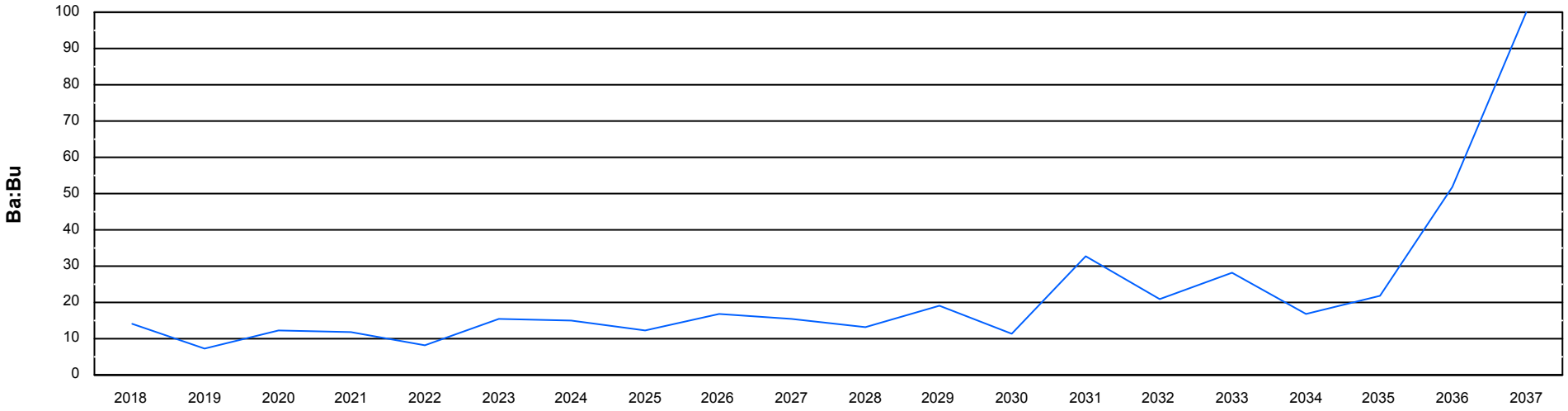
Scenario: 2018 maintain current PCI 20 years-locals up to 75

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI

Average CI / Year



Backlog: Budget Ratio



Budget vs. Backlog Report

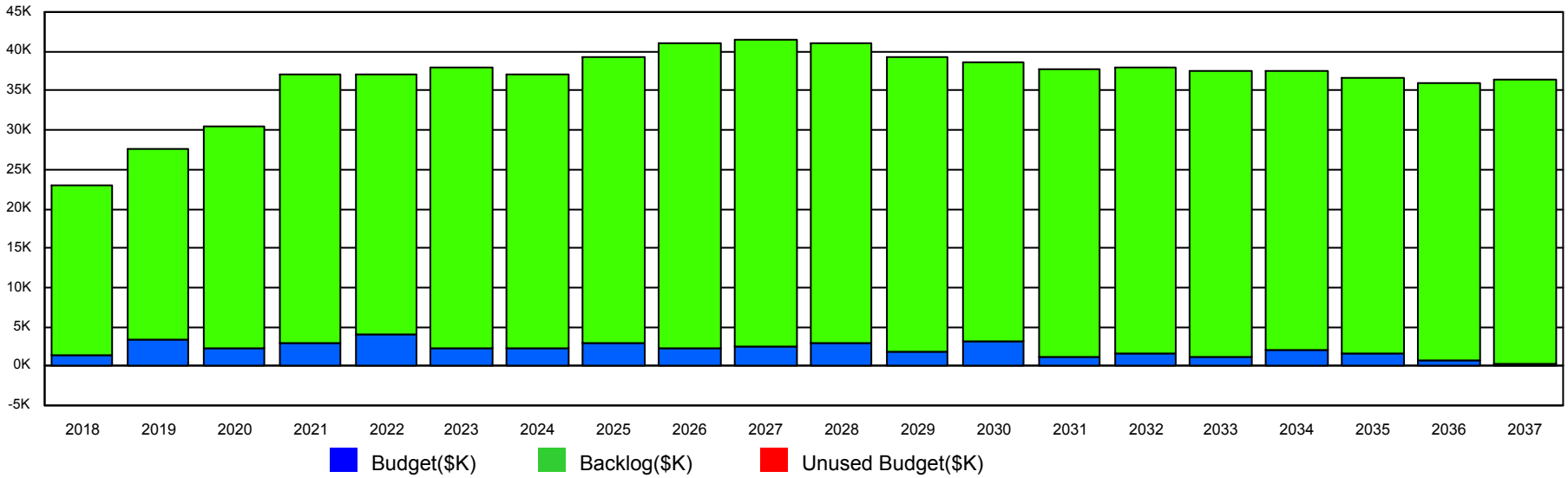
Scenario: 2018 maintain current PCI 20 years-with PCC

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI
2018	1,515	0	1,515	21,450	14.16	63
2019	3,332	0	3,332	24,246	7.28	63
2020	2,266	0	2,266	28,280	12.48	63
2021	2,893	0	2,893	34,128	11.80	64
2022	4,104	0	4,104	33,052	8.05	64
2023	2,266	0	2,266	35,605	15.72	64
2024	2,300	0	2,300	34,809	15.13	63
2025	2,898	0	2,898	36,293	12.52	63
2026	2,323	0	2,323	38,789	16.70	63
2027	2,481	0	2,481	38,884	15.67	63
2028	2,922	0	2,922	38,204	13.07	64
2029	1,965	0	1,965	37,400	19.04	63
2030	3,085	0	3,085	35,558	11.53	64
2031	1,118	0	1,118	36,526	32.68	63
2032	1,738	0	1,738	36,251	20.85	63
2033	1,272	0	1,272	36,251	28.50	63
2034	2,108	0	2,108	35,479	16.83	64
2035	1,585	0	1,585	35,092	22.14	65
2036	680	0	680	35,196	51.76	65
2037	254	0	254	36,070	141.82	64

Budget vs. Backlog Report

Scenario: 2018 maintain current PCI 20 years-with PCC

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI
Average:	**2,155**	**0**	**2,155**	**34,378**	**24.39**	**63.7**
Total:	**43,106**	**0**	**43,106**	**687,566**		

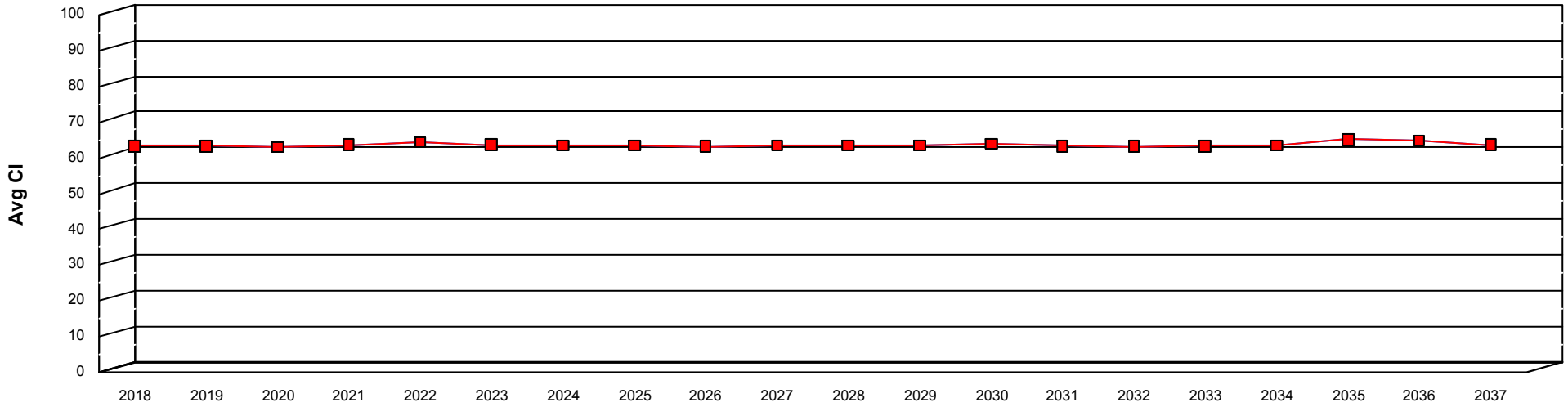


Budget vs. Backlog Report

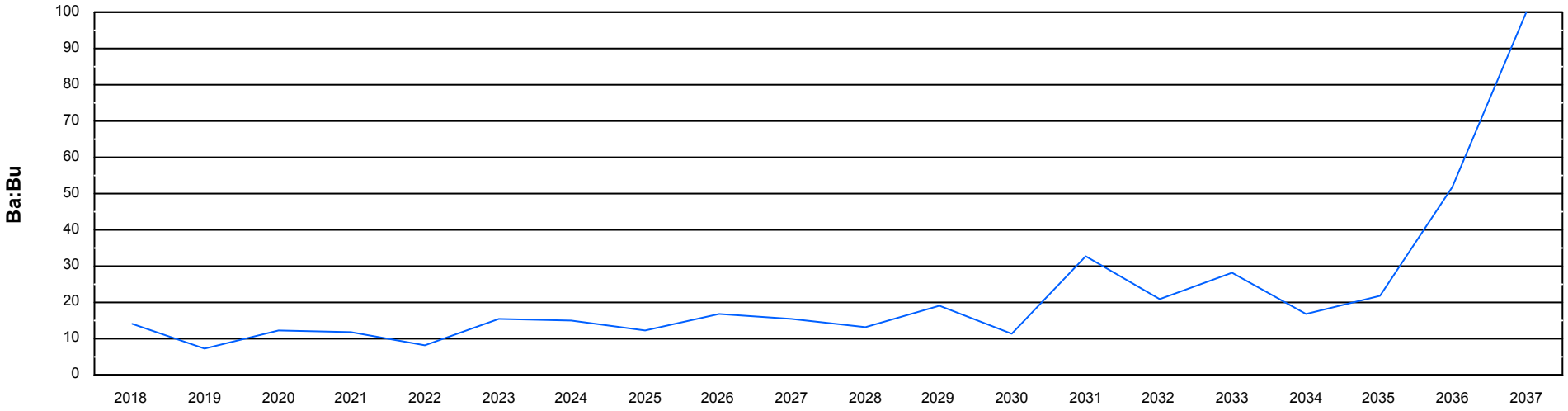
Scenario: 2018 maintain current PCI 20 years-with PCC

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI

Average CI / Year



Backlog: Budget Ratio



Budget vs. Backlog Report

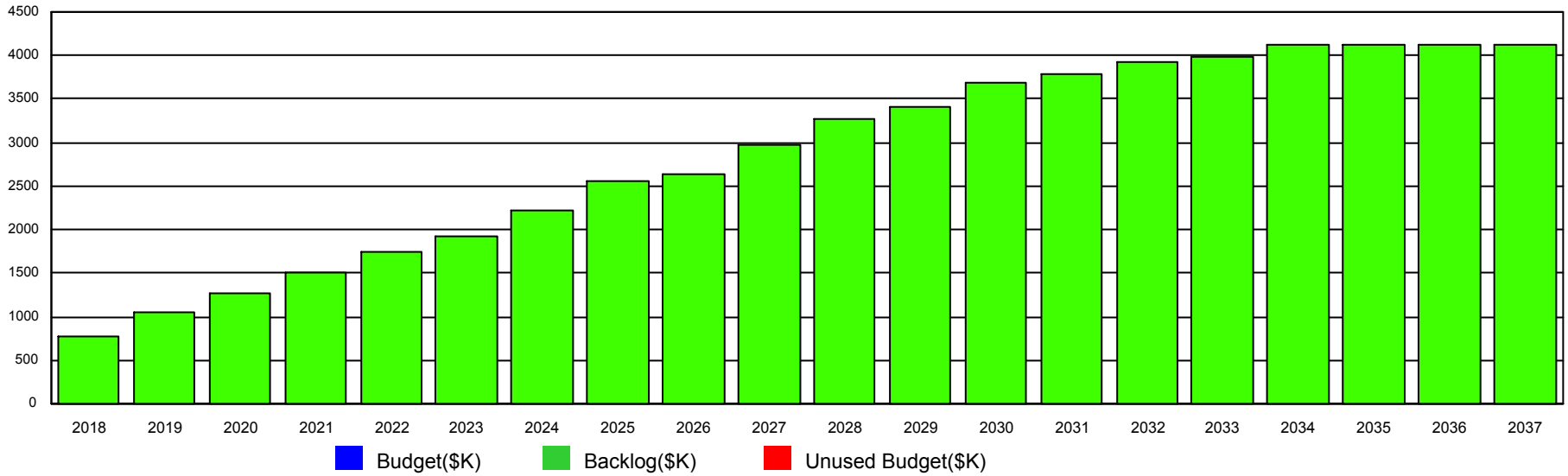
Scenario: 2018 do nothing alleys 20 years

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI
2018	0	0	0	780	1,000.00	54
2019	0	0	0	1,060	1,000.00	50
2020	0	0	0	1,281	1,000.00	46
2021	0	0	0	1,518	1,000.00	42
2022	0	0	0	1,751	1,000.00	38
2023	0	0	0	1,921	1,000.00	34
2024	0	0	0	2,231	1,000.00	30
2025	0	0	0	2,563	1,000.00	27
2026	0	0	0	2,637	1,000.00	23
2027	0	0	0	2,978	1,000.00	19
2028	0	0	0	3,276	1,000.00	16
2029	0	0	0	3,405	1,000.00	13
2030	0	0	0	3,680	1,000.00	10
2031	0	0	0	3,781	1,000.00	8
2032	0	0	0	3,929	1,000.00	6
2033	0	0	0	3,992	1,000.00	4
2034	0	0	0	4,123	1,000.00	3
2035	0	0	0	4,123	1,000.00	2
2036	0	0	0	4,123	1,000.00	1
2037	0	0	0	4,123	1,000.00	1

Budget vs. Backlog Report

Scenario: 2018 do nothing alleys 20 years

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI
Average:	**0**	**0**	**0**	**2,864**	**1,000.00**	**21.5**
Total:	**0**	**0**	**0**	**57,277**		

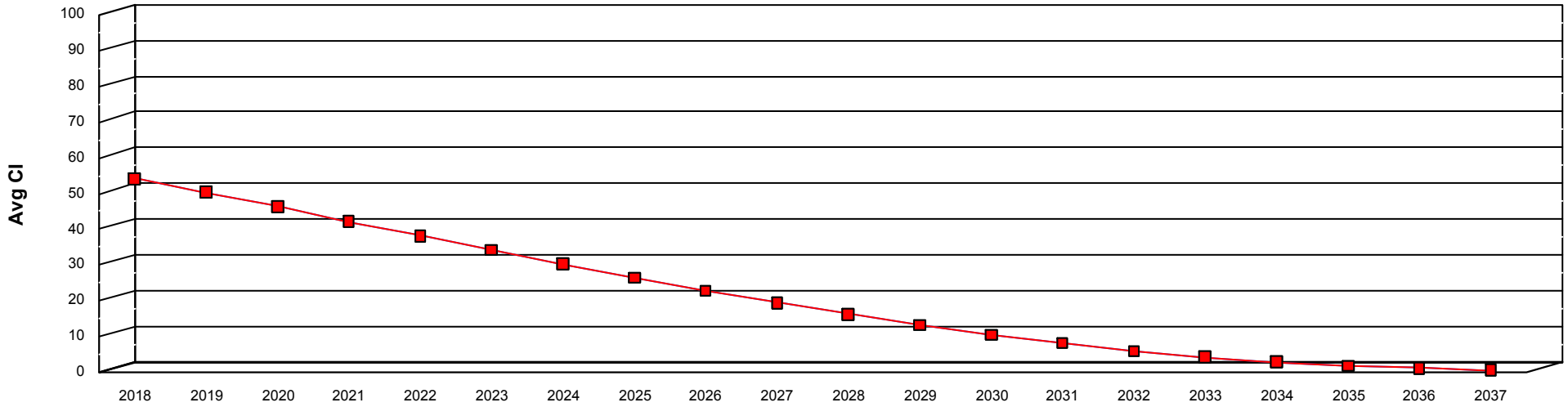


Budget vs. Backlog Report

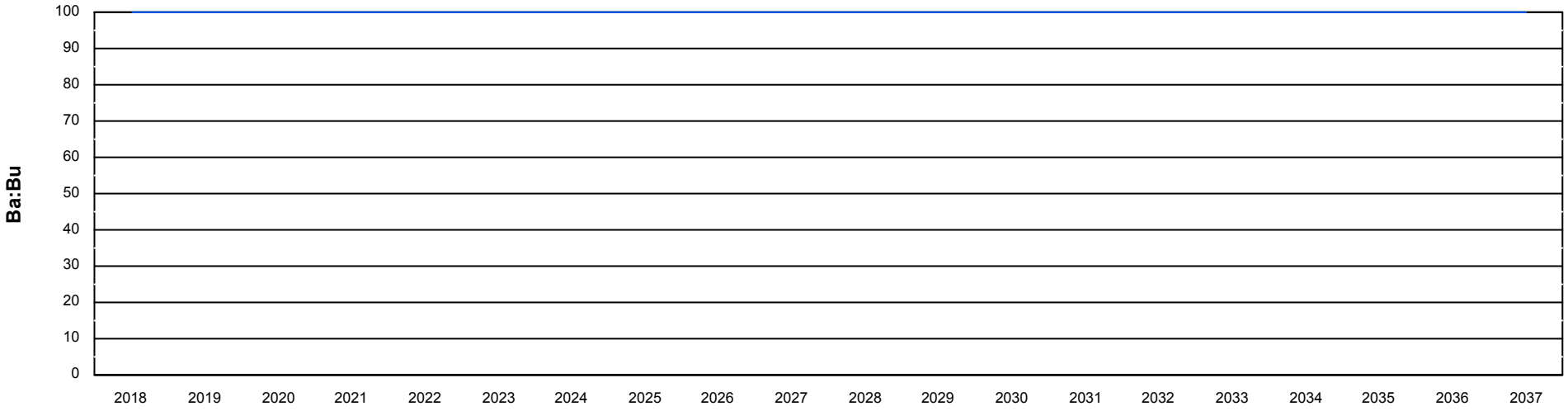
Scenario: 2018 do nothing alleys 20 years

Year	Input Budget ($K)	Unused Budget ($K)	Budget ($K)	Backlog ($K)	Backlog: Budget	Average CI

Average CI / Year



Backlog: Budget Ratio



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SEH

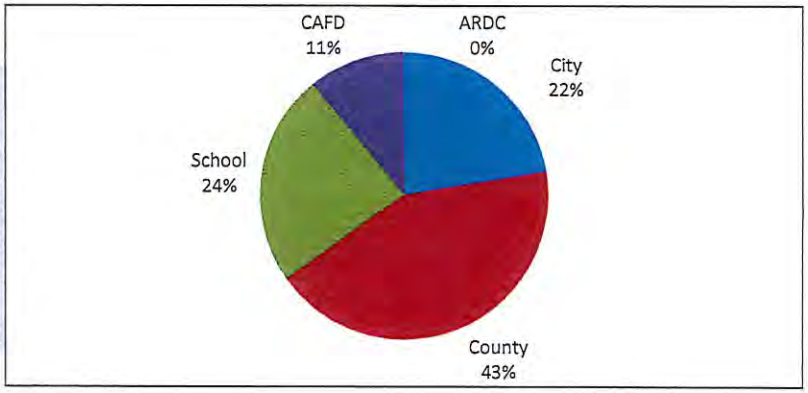
City of Cloquet
Tax Levy Summary
2016 Actual Through 2022 Planning

	2016	2017	2018	Proposed 2019	Planning 2020	Planning 2021	Planning 2022
General	$ 1,830,000	$ 2,105,000	$ 2,042,000	$ 2,250,000	$ 2,386,000	$ 2,343,000	$ 2,337,000
Library	400,000	400,000	390,000	400,000	400,000	400,000	400,000
GO Swimming Pond Debt	115,000	115,000	105,000	110,000	110,000	110,000	110,000
GO Facilities Debt-Library	-	-	-	-	-	-	-
GO Facilities Debt-PW	-	-	-	-	-	210,000	210,000
GO Improvement Bonds - PI	-	-	-	-	-	91,700	199,150
Permanent Improvement	260,000	250,000	350,000	-	-	-	-
Public Works Reserve	175,000	100,000	150,000	250,000	225,000	350,000	185,000
Sewer Utility*	30,000	-	-	-	-	-	-
Tax Levy	**$ 2,810,000**	**$ 2,970,000**	**$ 3,037,000**	**$ 3,010,000**	**$ 3,121,000**	**$ 3,504,700**	**$ 3,441,150**
Levy Change (+/-)	**2.97%**	**5.69%** Health Insurance & Library Reserves	**2.26%**	**-0.89%**	**3.69%**	**12.29%** PW Garage & PI Bonds	**-1.81%**

Note
Park, Senior Center, and Community Development were moved to General Fund in 2019.
* - District Wide Allocation is not a sewer charge. Moved to General Fund starting in 2017.

Property Tax Rates	2016	2017	2018
City of Cloquet	**40.313%**	**41.678%**	**41.386%**
Carlton County	78.416%	79.431%	80.610%
Cloquet School District	48.792%	44.659%	45.438%
Cloquet Area Fire District	20.113%	20.131%	20.510%
ARDC	0.174%	0.176%	0.176%
Total Direct and Overlapping	187.808%	186.075%	188.120%

2018 Property Taxes



City of Cloquet
Summary Comparison of All Funds Expenditures & Financing Uses
2016 Actual Through 2022 Planning

FUND		2016	2017	2018	2019	2020	2021	2022	('19 to '18 BUDGFT)	
Description	No	ACTUAL	ACTUAL	BUDGET	PROPOSED	PLANNING	PLANNING	PLANNING	Dollars	%
General										
Total General Fund	101	6,147,537	6,070,898	6,337,650	8,626,050	6,788,175	6,821,900	6,900,350	2,288,400	36.11%
Special Revenue Funds										
LDO Loan (EDA)	201	-	918	2,200	2,200	2,200	2,200	2,200	-	-
Federal CDBG Loan (EDA)	202	-	36,725	3,500	7,500	7,500	7,500	7,500	4,000	114.29%
Economic Develoment Loan (City)	203	14,468	31,273	1,350	3,500	3,500	3,500	3,500	2,150	159.26%
State SCDG/MIF (EDA)	204	-	-	-	-	-	-	-	-	-
Revolving SCGP (EDA)	206	-	-	-	20,000	10,000	10,000	10,000	20,000	100.00%
Small Cities Development	208	62,709	478,757	10,700	-	-	-	-	(10,700)	-100.00%
Library	211	535,113	572,122	591,850	629,850	638,400	653,000	653,000	38,000	6.42%
Tax Increment - Daqota	220	21,760	16,645	30,000	28,637	25,000	25,000	25,000	(1,363)	-4.54%
Tax Increment - 14th St Apartments	221	21,467	20,504	30,000	29,341	25,000	25,000	25,000	(659)	-2.20%
Tax Increment - Oakwood Estates	222	47,739	47,786	55,000	93,379	50,000	50,000	50,000	38,379	69.78%
Tax Increment - Patio Homes	223	-	-	-	30,250	55,000	55,000	55,000	30,250	100.00%
Landfill Host Fee	260	-	21,014	-	-	5,000	-	-	-	-
Cable Television	614	144,410	142,406	164,925	154,150	178,025	185,725	183,225	(10,775)	-6.53%
Total Special Revenue		**847,666**	**1,368,150**	**889,525**	**998,807**	**999,625**	**1,016,925**	**1,014,425**	**109,282**	**12.29%**
Debt Service Funds										
Business Park Bonds	368	246,948	243,115	243,600	971,611	-	-	-	728,011	298.86%
Swimming Pond Bonds	370	148,420	106,898	1,193,300	99,700	103,900	102,900	101,800	(1,093,600)	-91.65%
City Sales Tax Bonds	372	-	-	659,350	547,750	547,850	542,750	547,300	(111,600)	100.00%
Facilities Bonds	374	-	-	-	-	-	377,750	201,350	-	-
Improvement Bonds	376	-	-	-	-	-	59,100	153,500	-	-
Total Debt Service		**395,368**	**350,013**	**2,096,250**	**1,619,061**	**651,750**	**1,023,400**	**850,450**	**(477,189)**	**-22.76%**
Capital Project Funds										
Permanent Improvement	225	406,671	673,261	1,460,500	400,500	1,355,500	1,433,000	1,443,000	(1,060,000)	-72.58%
Public Facilities Planning	224	-	131,686	20,000	-	-	-	-	(20,000)	-100.00%
Public Works Reserve	231	247,675	396,810	381,500	530,000	355,000	518,000	267,000	148,500	38.93%
Revolving Capital Projects	403	3,478,483	31,014	1,470,000	4,000,000	3,870,000	837,500	1,837,500	2,530,000	172.11%
City Sales Tax Projects	405	1,729,545	3,324,278	3,809,350	2,427,750	3,714,850	557,750	2,047,300	(1,381,600)	-36.27%
Total Capital Project Funds		**5,862,374**	**4,557,049**	**7,141,350**	**7,358,250**	**9,295,350**	**3,346,250**	**5,594,800**	**216,900**	**3.04%**
Total Governmental Funds		**13,252,945**	**12,346,110**	**16,464,775**	**18,602,168**	**17,734,900**	**12,208,475**	**14,360,025**	**2,137,393**	**12.98%**
Internal Service										
Employee Severance Benefits	701	61,064	66,036	30,000	30,000	5,000	30,000	5,000	-	-
Total Internal Service		**61,064**	**66,036**	**30,000**	**30,000**	**5,000**	**30,000**	**5,000**	**-**	**-**
Enterprise Funds										
Water - Lake Superior Waterline	600	2,583,925	2,520,726	4,149,100	2,625,350	12,576,600	3,364,350	3,364,350	(1,523,750)	-36.72%
Water - In Town System	601	1,296,735	1,477,578	7,366,200	1,725,500	5,058,750	2,376,750	2,909,200	(5,640,700)	-76.58%
Sewer Utility	602	1,623,884	1,726,153	1,913,450	1,756,675	4,931,150	2,210,500	2,192,350	(156,775)	-8.19%
Stormwater Utility	605	250,417	274,785	382,050	268,800	2,826,400	568,550	1,181,450	(113,250)	-29.64%
Total Enterprise Funds		**5,754,961**	**5,999,242**	**13,810,800**	**6,376,325**	**25,392,900**	**8,520,150**	**9,647,350**	**(7,434,475)**	**-53.83%**
Total Proprietary Funds		**5,816,025**	**6,065,278**	**13,840,800**	**6,406,325**	**25,397,900**	**8,550,150**	**9,652,350**	**(7,434,475)**	**-53.71%**
GRAND TOTAL ALL FUNDS		**19,068,970**	**18,411,388**	**30,305,575**	**25,008,493**	**43,132,800**	**20,758,625**	**24,012,375**	**(5,297,082)**	**-17.48%**

City of Cloquet
Summary Comparison of All Funds Revenues & Financing Sources
2016 Actual through 2022 Planning

FUND		2016	2017	2018	2019	2020	2021	2022	('19 to '18 BUDGET)	
Description	No	ACTUAL	ACTUAL	BUDGET	PROPOSED	PLANNING	PLANNING	PLANNING	Dollars	Percent
General										
Total General Fund	101	5,675,519	6,060,746	6,347,350	7,287,918	6,789,950	6,823,550	6,851,650	940,568	14.82%
Special Revenue Funds										
LDO Loan (EDA)	201	16,408	22,315	61,200	49,200	49,200	49,200	49,200	(12,000)	-19.61%
Federal CDBG Loan (EDA)	202	4,600	9,400	10,000	10,000	10,000	10,000	10,000	-	-
Economic Develoment Loan (City)	203	17,416	3,416	4,350	17,200	17,200	17,200	17,200	12,850	295.40%
State SCDG/MIF (EDA)	204	700	1,400	1,000	-	-	-	-	(1,000)	-100.00%
Revolving SCGP (EDA)	206	2,398	14,389	10,700	10,700	10,700	10,700	10,700	-	-
Small Cities Development (City)	208	62,709	478,757	10,700	-	-	-	-	(10,700)	-100.00%
Library	211	539,032	626,376	592,000	602,000	627,000	602,000	627,000	10,000	1.69%
Tax Increment - Daqota	220	18,331	18,332	30,000	25,000	25,000	25,000	25,000	(5,000)	-16.67%
Tax Increment - 14th St Apartments	221	22,631	22,607	30,000	25,000	25,000	25,000	25,000	(5,000)	-16.67%
Tax Increment - Oakwood Estates	222	52,933	52,932	55,000	50,000	50,000	50,000	50,000	(5,000)	-9.09%
Tax Increment - Patio Homes	223	-	-	-	55,000	55,000	55,000	55,000	55,000	100.00%
Landfill Host Fee	260	42,868	120,238	64,000	65,000	65,000	65,000	65,000	1,000	1.56%
Cable Television	614	108,191	101,672	125,450	103,200	103,450	103,450	103,450	(22,250)	-17.74%
Total Special Revenue		888,217	1,471,834	994,400	1,012,300	1,037,550	1,012,550	1,037,550	17,900	1.80%
Debt Service Funds										
Business Park Bonds	368	15,929	27,913	10,900	10,900	-	-	-	-	-
Swimming Pond Bonds	370	1,210,156	126,627	105,000	110,000	110,000	110,000	110,000	5,000	4.76%
City Sales Tax Bonds	372	-	-	659,350	547,750	547,850	542,750	547,300	(111,600)	-
Facilities Bonds	374	-	-	-	-	324,950	210,000	210,000	-	100.00%
Improvement Bonds	376	-	-	-	-	37,720	131,560	290,250	-	-
Total Debt Service		1,226,085	154,540	775,250	668,650	1,020,520	994,310	1,157,550	(106,600)	-13.75%
Capital Project Funds										
Permanent Improvement	225	385,923	379,995	1,135,000	510,000	1,300,000	1,455,000	2,160,000	(625,000)	-55.07%
Public Facilities Planning	224	504,000	-	-	-	-	-	-	-	-
Public Works Reserve	231	242,354	313,203	275,000	280,000	355,000	518,500	275,000	5,000	1.82%
Revolving Capital Projects	403	3,478,483	31,014	1,470,000	4,000,000	3,870,000	837,500	1,837,500	2,530,000	100.00%
City Sales Tax Projects	405	921,240	9,510,311	815,000	915,000	915,000	915,000	915,000	100,000	12.27%
Total Capital Project Funds		5,532,000	10,234,523	3,695,000	5,705,000	6,440,000	3,726,000	5,187,500	2,010,000	54.40%
Total Governmental Funds		13,321,821	17,921,643	11,812,000	14,673,868	15,288,020	12,556,410	14,234,250	2,861,868	24.23%
Internal Service Fund										
Employee Severance Benefits	701	24,965	41,744	55,000	10,000	10,000	10,000	60,000	(45,000)	-81.82%
Total Internal Service		24,965	41,744	55,000	10,000	10,000	10,000	60,000	(45,000)	-81.82%
Enterprise Funds										
Water Lake Superior Waterline	600	2,687,682	2,895,675	4,510,000	2,900,000	13,700,000	3,700,000	3,700,000	(1,610,000)	-35.70%
Water In-Town	601	1,157,458	1,220,672	6,772,500	1,515,700	1,683,000	4,317,350	1,970,500	(5,256,800)	-77.62%
Sewer Utility	602	1,588,944	1,614,406	1,549,000	1,721,250	4,355,975	1,950,800	2,084,200	172,250	11.12%
Stormwater Utility	605	331,360	332,882	332,000	332,000	332,000	332,000	332,000	-	-
Total Enterprise Funds		5,765,444	6,063,635	13,163,500	6,468,950	20,070,975	10,300,150	8,086,700	(6,694,550)	-50.86%
Total Proprietary Funds		5,790,409	6,105,379	13,218,500	6,478,950	20,080,975	10,310,150	8,146,700	(6,739,550)	-50.99%
GRAND TOTAL ALL FUNDS		19,112,230	24,027,022	25,030,500	21,152,818	35,368,995	22,866,560	22,380,950	(3,877,682)	-15.49%

City of Cloquet
All Funds Revenues & Expenditures/Expenses Summary
2019 Budget

Revenues by Source for 2019

FUND Description	No	Property Taxes	Other Taxes	Intergovt	Charges	All Others*	Transfers	Revenues
Total General Fund	101	2,250,000	55,000	2,966,000	422,000	526,100	1,068,818	7,287,918
Special Revenue Funds								
LDO Loan (EDA)	201	-	-	-	-	49,200	-	49,200
Federal CDBG Loan (EDA)	202	-	-	-	-	10,000	-	10,000
Economic Develoment Loan (City)	203	-	-	-	-	17,200	-	17,200
State MIF (EDA)	204	-	-	-	-	-	-	-
Revolving SCDP (EDA)	206	-	-	-	-	10,700	-	10,700
Library	211	400,000	-	-	20,500	6,500	175,000	602,000
Tax Increment - Daqota	220	-	25,000	-	-	-	-	25,000
Tax Increment - 14th Street Apart.	221	-	25,000	-	-	-	-	25,000
Tax Increment - Oakwood Estates	222	-	50,000	-	-	-	-	50,000
Tax Increment - Patio Homes	223	-	55,000	-	-	-	-	55,000
Landfill Host Fee	260	-	-	-	-	65,000	-	65,000
Cable Television	614	-	103,000	-	-	200	-	103,200
Total Special Revenue		400,000	258,000	-	20,500	158,800	175,000	1,012,300
Debt Service Funds								
Business Park Bonds	368	-	-	-	-	10,900	-	10,900
Swimming Pond Bonds	370	110,000	-	-	-	-	-	110,000
City Sales Tax Bonds	372	-	-	-	-	-	547,750	547,750
Police Facility Bonds	374	-	-	-	-	-	-	-
Total Debt Service		110,000	-	-	-	10,900	547,750	668,650
Capital Project Funds								
Permanent Improvement	225	-	-	400,000	-	110,000	-	510,000
Facilities Planning	224	-	-	-	-	-	-	-
Public Works Reserve	231	250,000	-	-	-	30,000	-	280,000
Revolving Capital Projects	403	-	-	-	-	750,000	3,250,000	4,000,000
City Sales Tax Projects	405	-	915,000	-	-	-	-	915,000
Total Capital Project Funds		250,000	915,000	400,000	-	890,000	3,250,000	5,705,000
Total Governmental Funds		3,010,000	1,228,000	3,366,000	442,500	1,585,800	5,041,568	14,673,868
Internal Service								
Employee Severance Benefits	701	-	-	-	-	10,000	-	10,000
Enterprise Funds								-
Water - Lake Superior Waterline	600	-	-	-	2,900,000	-	-	2,900,000
Water - In Town System	601	-	-	-	1,405,700	110,000	-	1,515,700
Sewer Utility	602	-	-	-	1,676,250	45,000	-	1,721,250
Stormwater Utility	605	-	-	-	330,000	2,000	-	332,000
Total Enterprise Funds		-	-	-	6,311,950	157,000	-	6,468,950
Total Proprietary Funds		-	-	-	6,311,950	167,000	-	6,478,950
GRAND TOTAL ALL FUNDS		3,010,000	1,228,000	3,366,000	6,754,450	1,752,800	5,041,568	21,152,818

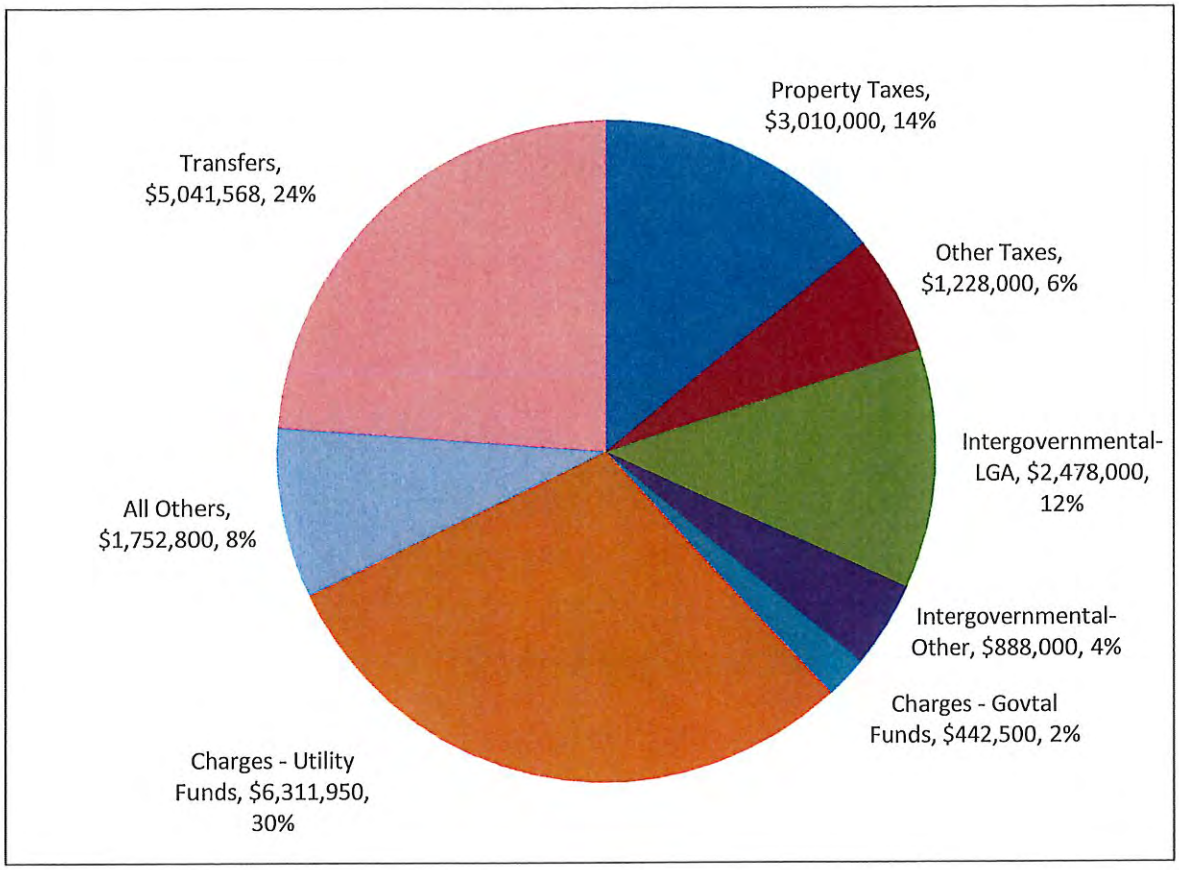
Expenditures/Expenses by Function for 2019

Personal Services	Supplies	Other Services	Debt	Capital	Transfers	Expenditure/ Expenses
5,082,200	419,700	1,483,150	-	16,000	1,625,000	8,626,050
-	-	2,200	-	-	-	2,200
-	-	7,500	-	-	-	7,500
-	-	3,500	-	-	-	3,500
-	-	-	-	-	-	-
-	-	20,000	-	-	-	20,000
490,350	60,600	76,900	-	2,000	-	629,850
-	-	22,500	-	-	6,137	28,637
-	-	22,500	-	-	6,841	29,341
-	-	45,000	-	-	48,379	93,379
-	-	24,750	-	-	5,500	30,250
-	-	-	-	-	-	-
111,700	2,500	8,750	-	2,500	28,700	154,150
602,050	63,100	233,600	-	4,500	95,557	998,807
-	-	-	913,350	-	58,261	971,611
-	-	-	99,700	-	-	99,700
-	-	-	547,750	-	-	547,750
-	-	-	-	-	-	-
-	-	-	1,560,800	-	58,261	1,619,061
-	-	-	-	400,500	-	400,500
-	-	-	-	-	-	-
-	-	-	-	530,000	-	530,000
-	-	-	-	4,000,000	-	4,000,000
-	-	-	-	1,880,000	547,750	2,427,750
-	-	-	-	6,810,500	547,750	7,358,250
5,684,250	482,800	1,716,750	1,560,800	6,831,000	2,326,568	18,602,168
30,000	-	-	-	-	-	30,000
643,950	44,150	1,694,550	-	107,700	135,000	2,625,350
441,900	86,200	301,700	385,700	150,000	360,000	1,725,500
363,775	29,050	1,058,850	-	85,000	220,000	1,756,675
-	-	68,800	-	-	200,000	268,800
1,449,625	159,400	3,123,900	385,700	342,700	915,000	6,376,325
1,479,625	159,400	3,123,900	385,700	342,700	915,000	6,406,325
7,163,875	642,200	4,840,650	1,946,500	7,173,700	3,241,568	25,008,493

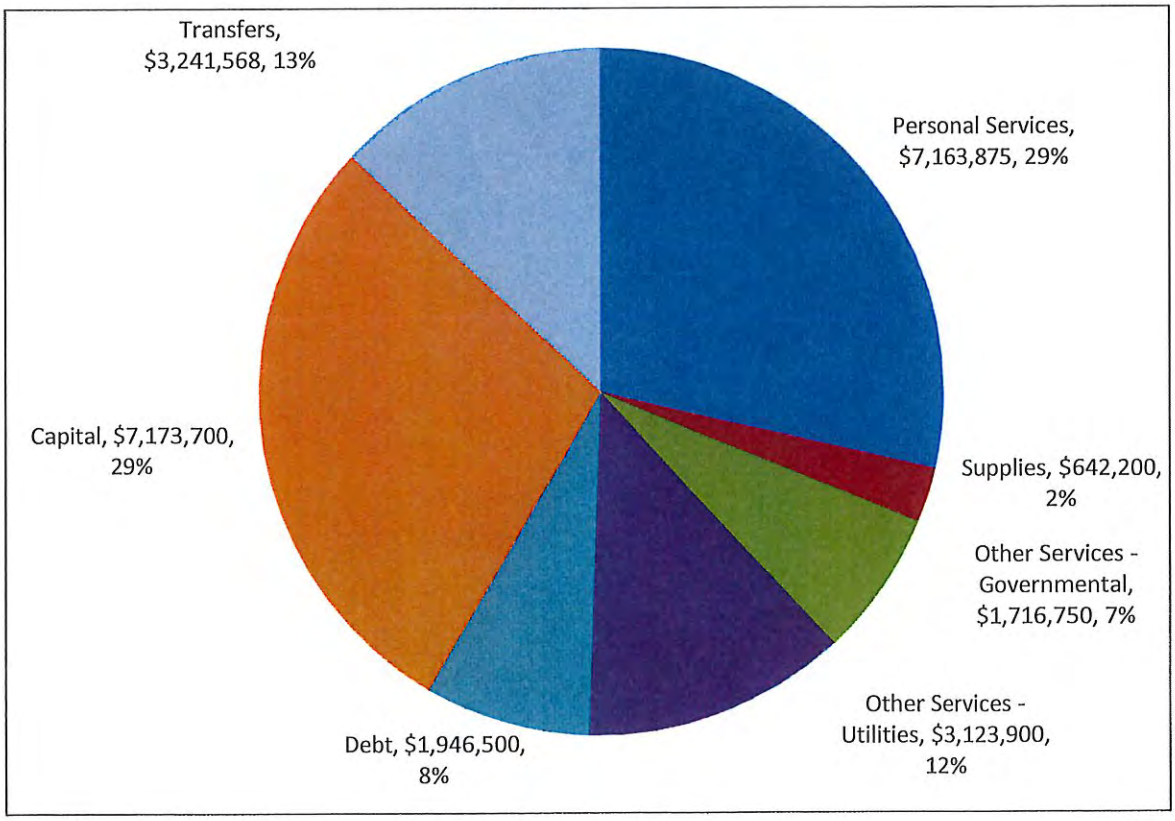
* - License and Permits, Fines & Forfeitures, Special Assessments, and Miscellaneous.

City of Cloquet
2019 Budget - All Funds

Revenues



Expenditures/Expenses



City of Cloquet
Summary Comparison of General Fund Expenditures & Financing Uses, Revenues & Financing Sources
2016 Actual through 2022 Planning

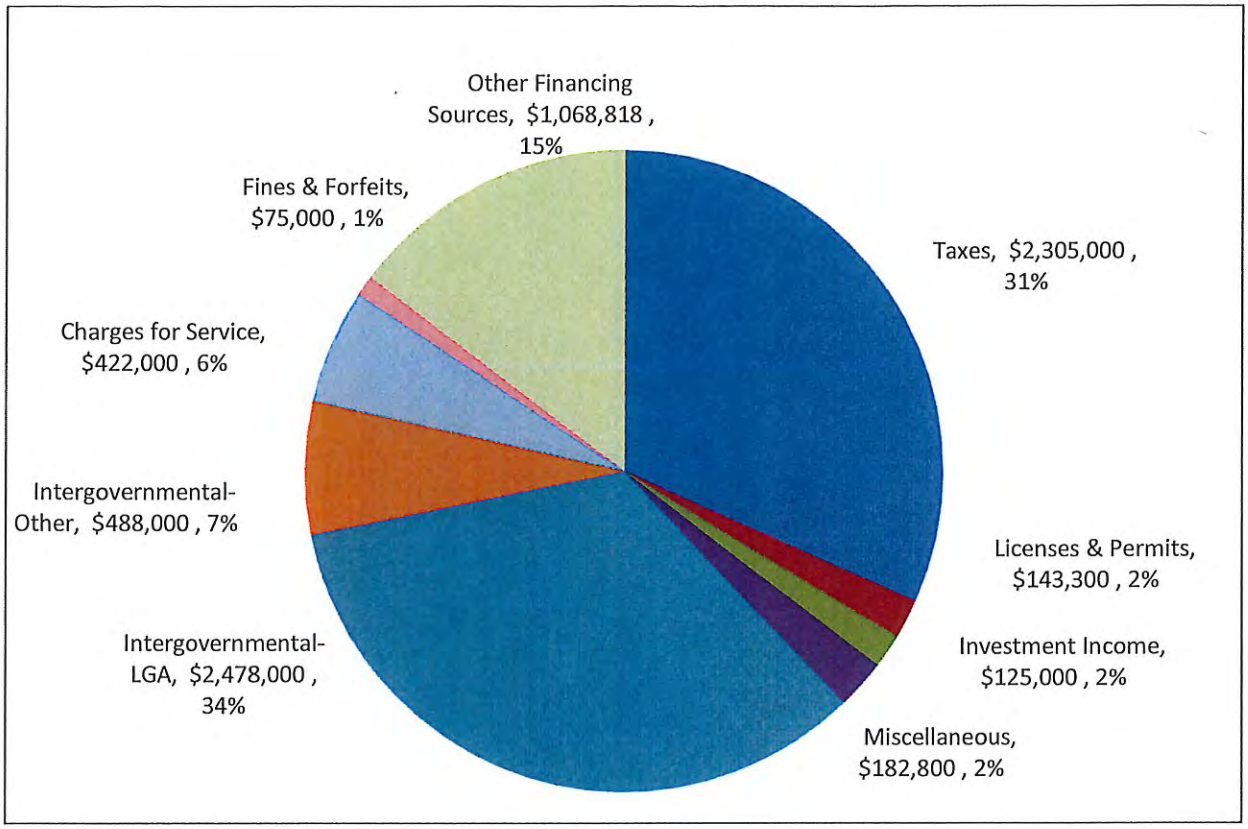
Descriptions	2016 ACTUAL	2017 BUDGET	2018 BUDGET	2019 PROPOSED	2020 PLANNING	2021 PLANNING	2022 PLANNING	CHANGE ('19 to '18 BUDGET) Dollars	CHANGE ('19 to '18 BUDGET) Percent
Expenditures & Financing Uses:									
Council & Mayor	$ 105,140	$ 84,624	$ 86,050	$ 107,350	$ 111,150	$ 127,650	$ 111,150	$ 21,300	25.17%
Elections	16,395	-	17,250	500	17,750	500	17,750	(16,750)	100.00%
Administration	260,170	140,780	209,575	315,150	188,125	189,625	189,625	105,575	74.99%
Human Resources	-	57,442	93,800	157,000	71,800	70,800	70,800	63,200	-
Finance	177,645	179,652	208,400	237,900	197,200	197,000	196,700	29,500	16.42%
Prosecution	120,243	131,743	110,000	125,000	125,000	125,000	125,000	15,000	11.39%
Managed Information Technology	-	44,707	47,000	58,000	58,000	60,000	60,000	11,000	100.00%
Building & Planning Services	198,109	224,671	294,550	250,950	393,950	334,450	337,450	(43,600)	-19.41%
General Government Bldgs	120,040	96,062	111,550	114,500	118,950	122,150	122,150	2,950	3.07%
WLSSD District Wide Allocation	-	27,947	30,000	30,000	30,000	30,000	30,000	-	-
Public Safety Building	31,640	26,842	30,500	24,500	24,500	24,500	24,500	(6,000)	-22.35%
Police & Other Public Safety	2,507,199	2,777,341	2,824,900	3,089,700	3,071,600	3,215,075	3,215,075	264,800	9.53%
Highways, Streets, & Roadways	984,330	1,036,477	1,004,100	1,560,400	1,097,100	1,119,650	1,119,650	556,300	53.67%
Snow Removal	76,638	62,830	72,000	72,000	72,000	72,000	72,000	-	-
Street Lighting	136,682	137,176	157,500	142,500	147,500	147,500	147,500	(15,000)	-10.93%
Weed Control	8,759	15,506	20,000	15,000	20,000	20,000	20,000	(5,000)	-32.25%
Parks	560,288	562,102	572,725	483,500	592,700	525,700	525,700	(89,225)	-15.87%
Senior Center	15,532	10,805	11,700	11,700	11,700	11,700	11,700	-	-
Community Development	168,107	194,194	170,300	144,150	177,400	176,850	176,850	(26,150)	-13.47%
Events Coordination	7,317	8,214	8,500	9,000	9,500	9,500	9,500	500	6.09%
Lodging Tax Distribution	48,303	51,783	52,250	52,250	52,250	52,250	52,250	-	-
Other Financing Uses	605,000	200,000	205,000	1,625,000	200,000	190,000	265,000	1,420,000	710.00%
Total	**$ 6,147,537**	**$ 6,070,898**	**$ 6,337,650**	**$ 8,626,050**	**$ 6,788,175**	**$ 6,821,900**	**$ 6,900,350**	**$ 2,288,400**	**37.69%**
Revenues & Financing Sources:									
Taxes	$ 1,892,201	$ 2,165,921	$ 2,097,000	$ 2,305,000	$ 2,441,000	$ 2,398,000	$ 2,392,000	$ (68,921)	-3.18%
Licenses & Permits	127,211	140,621	211,600	143,300	218,800	218,800	218,800	70,979	50.48%
Intergovernmental	2,787,249	2,814,239	2,935,900	2,966,000	2,976,000	2,981,000	2,986,000	121,661	4.32%
Charges for Service	342,874	370,812	437,850	422,000	431,250	437,750	441,750	67,038	18.08%
Fines & Forfeits	57,323	70,795	70,000	75,000	70,000	70,000	70,000	(795)	-1.12%
Investment Income	34,772	64,486	155,000	125,000	150,000	175,000	200,000	90,514	140.36%
Miscellaneous	203,889	193,872	190,000	182,800	197,400	197,500	197,600	(3,872)	-2.00%
Other Financing Sources	230,000	240,000	250,000	1,068,818	305,500	345,500	345,500	10,000	4.17%
Total	**$ 5,675,519**	**$ 6,060,746**	**$ 6,347,350**	**$ 7,287,918**	**$ 6,789,950**	**$ 6,823,550**	**$ 6,851,650**	**$ 286,604**	**4.73%**
NET CHANGE	**$ (472,018)**	**$ (10,152)**	**$ 9,700**	**$ (1,338,132)**	**$ 1,775**	**$ 1,650**	**$ (48,700)**	**$ (2,001,796)**	

Building Trans

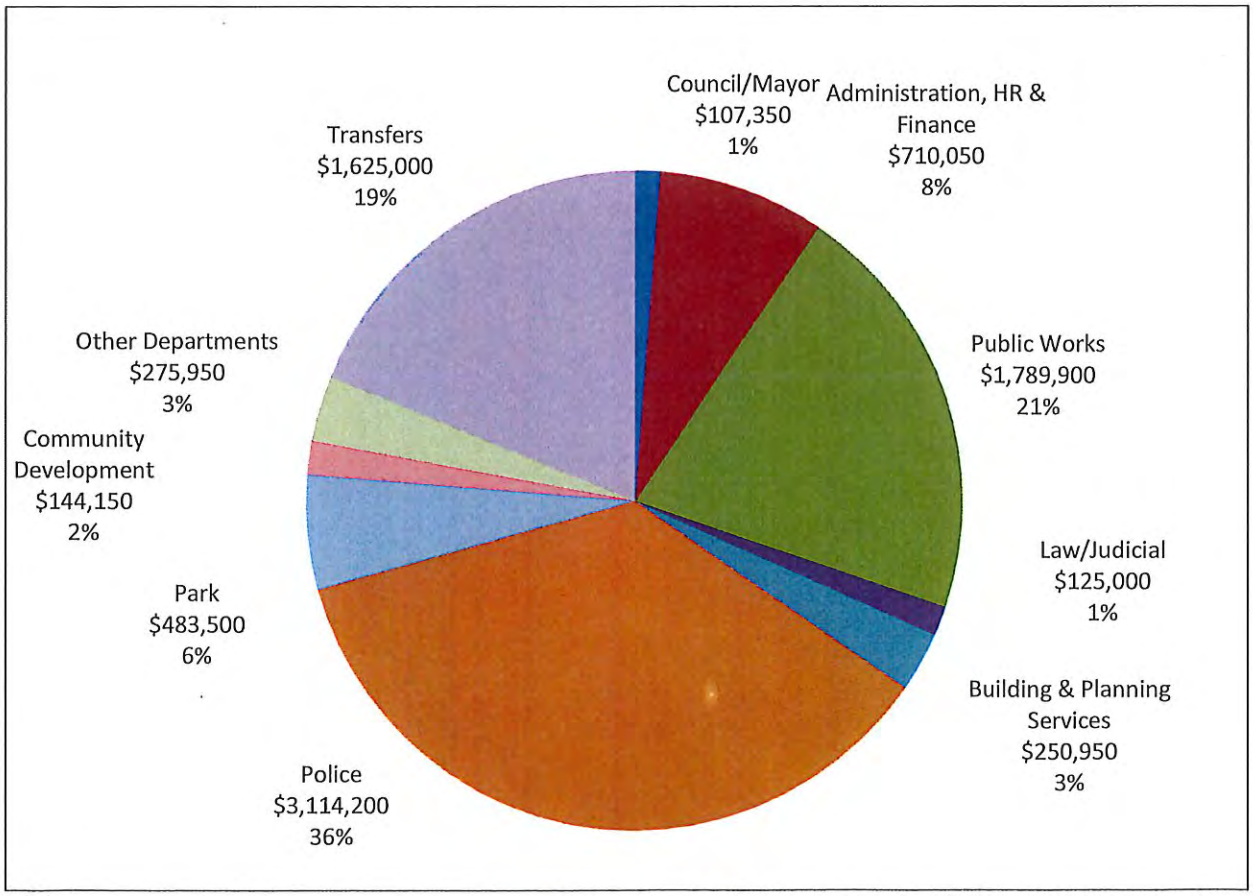
MCCU Remodeling

City of Cloquet
2019 General Fund Budget

Revenues



Expenditures



CLOQUET CITY COUNCIL WORK SESSION
Tuesday, July 17, 2018

DRAFT

Present: Bjerkness, Kolodge, Langley, Maki, Rock, Wyman, Mayor Hallback

Absent: None

Staff: Reeves, Barclay, Klassen, Anderson, Peterson, Cottingham, Hansen, Palmer, Sorensen

Others: D. Hinzman, SEH; J. Peterson, Pine Journal

Utility Extension Study
Dan Hinzman of SEH reviewed the study that was completed to evaluate possible utility extension areas in Cloquet, including some previously developed areas as well as undeveloped areas. The study determined the available areas for development, the anticipated improvements associated with the development, the costs associated with the utility extensions and various cost recovery methods to fund the utility extension projects.

Recommendations from report findings include:

- Determine areas to incorporated into long term planning
- Determine desired cost recovery methods
- Complete additional modeling and design to accommodate and quantify needs
- Create a detailed financial model

Discussion took place on the historic growth of the community. Mr. Peterson stated this is a 50-100 year plan unless there is a significant change in population. If areas would develop to capacity, our population would triple and it is unrealistic to think that would happen in a short amount of time. Mr. Peterson stated that failing septic systems could drive this project because the home owners will come to the city for sewer connection.

Administrator Reeves explained the purpose of the presentation is to understand what the costs will be at some point. There won't be work done any time soon unless there is a driving force to move this up.

2019 CIP Review
Administrator Reeves gave a brief overview of the preliminary 2019 CIP so Council can start thinking about it. More detailed information will be provided and discussion will take place before September.

Public Works Director Caleb Peterson reviewed the major infrastructure projects such as the Pine Tree Plaza Frontage Road and the sanitary sewer reconstruction project next year. Discussion followed on the limited development in the business park and the poor water quality which is identified as a priority. Another project noted is the mill and overlay reconstruction of Washington Avenue, which is a county road. During that time, the city will also do the utility work.

Mr. Reeves discussed other infrastructure projects coming up; Members Cooperative building, vehicle replacements, and the new Public Works building in 2020. A more detailed infrastructure report will be discussed at the next Work Session.

Preliminary Budget Review
Mr. Reeves next reviewed the preliminary budget and explained that his philosophy is to have Department Heads put everything into the budget and then eliminate items. A list of projects that can be removed but easily added back in was included. Department Heads will provide detailed information to Council with supporting documentation on requests being made. There will be budget discussions at every Work Session until it is adopted.

August 7th Council Meeting Date Change
National Night Out is scheduled for Tuesday, August 7th which is a regularly scheduled City Council meeting night. Council agreed to reschedule the Work Session and Regular Meeting to August 8th.

Other Discussion
There being no further business, the meeting adjourned at 6:58 p.m.

Respectfully Submitted,

Aaron Reeves
City Administrator

Council Chambers, Cloquet, Minnesota
7:00 P.M. July 17, 2018

Regular Meeting

DRAFT

Roll Call

Councilors Present: Bjerkness, Kolodge, Langley, Maki, Rock, Wyman, Mayor Hallback

Councilors Absent: None

Pledge of Allegiance

AGENDA

MOTION: Councilor Wyman moved and Councilor Rock seconded the motion to remove item *5.j., Anti-Heroin Task Force Joint Powers Agreement* from the Consent Agenda and add to Council Business as item *8.d.* The motion carried unanimously (7-0).

MOTION: Councilor Bjerkness moved and Councilor Kolodge seconded the motion to remove item *5.i, Lake Superior Waterline Wet Tap Feasibility* from the Consent Agenda and add to Council Business as item *8.e.* The motion carried unanimously (7-0).

MOTION: Councilor Langley moved and Councilor Bjerkness seconded the motion to approve the amended July 17, 2018 agenda. The motion carried unanimously (7-0).

MINUTES

MOTION: Councilor Rock moved and Councilor Langley seconded the motion to approve the minutes of the Work Session and Regular Meeting of June 19, 2018. The motion carried unanimously (7-0).

CONSENT AGENDA

MOTION: Councilor Bjerkness moved and Councilor Rock seconded the motion to approve the amended Consent Agenda of July 17, 2018. The motion carried unanimously (7-0).

a. Resolution No. 18-48, Resolution Authorizing the Payment of Bills
b. Resolution No. 18-49, Resolution Authorizing the Payment of Bills and Payroll
c. Resolution No. 18-52, Appointing Election Judges for the 2018 Primary and General Elections
d. Western Lake Superior Sanitary District Board Reappointment – Archie Chelseth
e. Housing and Redevelopment Authority Board Reappointment – Cynthia Slater
f. Resolution No. 18-50, Approving the Site Plan in the RC-Regional Commercial District for Members Cooperative
g. Resolution No. 18-53, Approving County Board Resolution No. 18-077
h. Resolution No. 18-54, Approving a Construction Services Agreement with Short Elliot Hendrickson (SEH) for Water Treatment Plant No. 1

PUBLIC HEARINGS

There were none.

PRESENTATIONS

There were none.

COMPREHENSIVE PLAN AMENDMENT AND REZONING FOR CLOQUET HOUSING LIMITED PARTNERSHIP

MOTION: Councilor Bjerkness motioned and Councilor Rock seconded the motion to adopt **RESOLUTION NO. 18-51, APPROVING THE COMPREHENSIVE PLAN AMENDMENT (LAND USE PLAN) FROM "PUBLIC – SEMI PUBLIC" TO "MODERATE DENSITY TO HIGH DENSITY RESIDENTIAL".** The motion carried (5-2), Councilors Kolodge and Maki opposed.

WHEREAS, Cloquet Housing Limited Partnership is proposing a Comprehensive Plan Amendment (Land Use Plan) from "Public – Semi Public" to "Moderate Density to High Density Residential"; and

WHEREAS, As required by ordinance, notice was published in the Pine Journal and mailed to property owners within 350 feet. A public hearing was held to consider the application at the regular meeting of the Cloquet Planning Commission on July 10, 2018 at which time Zoning Case / Development Review No. 18-08 was heard and discussed; and

WHEREAS, the property of the proposed Comprehensive Plan Amendment (Land Use Plan) is located at 509 Carlton Avenue and is legally described as follows:

Lots 5, 6, 7 and 8, Block 66, Allen's Subdivision of Blocks 63 – 74 and 89 – 98 inclusive, City of Cloquet.
AND
Lots 1, 2, 3, 4 and 5, Except the West 12 feet of the South 38 feet thereof, and Lot 9, Block 96, Allen's Subdivision of Blocks 63 – 74 and 89 – 98 Inclusive, City of Cloquet.
AND
Lots 1 through 10, Block 97, Allen's Subdivision of Blocks 63 – 74 and 89 – 98 Inclusive, City of Cloquet. Together with, the vacated portion of Fifth Street lying between Avenue "G" and Carlton Avenue, and the vacated portion of Avenue "G" lying between Fifth Street and Sixth Street, all in Allen's Subdivision of Blocks 63 – 74 and 89 – 98 Inclusive, City of Cloquet.

WHEREAS, the Planning Commission reviewed the staff report and recommends approval of the Comprehensive Plan Amendment (Land Use Plan).

NOW, THEREFORE, BE IT RESOLVED, BY THE CITY COUNCIL OF THE CITY OF CLOQUET, MINNESOTA, that it approves of Zoning Case 18-08 for a comprehensive plan amendment (land use plan) from "Public – Semi Public" to "Moderate Density to High Density Residential".

MOTION: Councilor Wyman moved and Councilor Rock seconded the motion to adopt **ORDINANCE NO. 473A, AN ORDINANCE TO AMEND CHAPTER 17 BY AMENDING THE ZONING MAP OF THE CITY OF CLOQUET FROM "PI – PUBLIC/INSTITUTIONAL" TO "R3 – MULTIPLE-FAMILY RESIDENCE".** The motion carried (5-2), Councilors Kolodge and Maki opposed.

The City Council of the City of Cloquet does hereby ordain as follows:

Section 1. The Zoning Map of the City of Cloquet is hereby amended to change the zoning designation of the following described property from PI – Public/Institutional to R3 – Multiple-Family Residence:

Lots 5, 6, 7 aud 8, Block 66, Allen's Subdivision of Blocks 63 – 74 and 89 – 98 inclusive, City of Cloquet.
AND
Lots 1, 2, 3, 4 and 5, Except the West 12 feet of the South 38 feet thereof, and Lot 9, Block 96, Allen's Subdivision of Blocks 63 – 74 and 89 – 98 Inclusive, City of Cloquet.
AND
Lots 1 through 10, Block 97, Allen's Subdivision of Blocks 63 – 74 and 89 – 98 Inclusive, City of Cloquet. Together with, the vacated portion of Fifth Street lying between Avenue "G" and Carlton Avenue, and the vacated portion of Avenue "G" lying between Fifth Street and Sixth Street, all in Allen's Subdivision of Blocks 63 – 74 and 89 – 98 Inclusive, City of Cloquet.

Section 2. Effective Date. This ordinance shall take effect and be in force from and after its passage and publication in accordance with law.

WENTWORTH PARK PARKING DEVELOPMENT

MOTION: Councilor Kolodge moved and Councilor Langley seconded the motion to approve the bid from Northland Constructors for improvements to Wentworth Park. The motion carried unanimously (7-0).

ANTI-HEROIN TASK FORCE JOINT POWERS AGREEMENT

MOTION: Councilor Wyman moved and Councilor Rock seconded the motion to approve the Joint Powers Agreement between the State of Minnesota, acting through its Commissioner of Safety on behalf of the Bureau of Criminal Apprehension and the City of Cloquet on behalf of its Police Department. The motion carried unanimously (7-0).

LAKE SUPERIOR WATERLINE WET TAP FEASIBILITY

MOTION: Councilor Wyman moved and Councilor Rock seconded the motion to award a professional services contract to Short Elliot Hendrickson (SEH) for a feasibility study regarding a potential wet tap of the Lake Superior Waterline. The motion passed unanimously (7-0).

PUBLIC COMMENTS

- City Administrator Reeves addressed the Council and public regarding Friends of Animals. Mr Reeves reviewed the timeline of events that has led to the current animal control situation. Mr. Reeves indicated the city and county continue to research options that will benefit all parties involved. The city may need to rescind the stray animal ordinance until a solution is found. County Commissioners Brenner and Proulx commented that the county acknowledges the need and supports finding a solution.
- Karen Villeburn Vranek, 495 County Road 18, addressed the Council stating she has been a volunteer with Friends of Animals for 12 years and requested communication be kept open between all parties involved. Services provided by FOA are very needed and it is important for all parties to go back to the table.
- Karen Draeger, 222 Twin Lakes Drive, daughter of FOA Co-Founder Margaret Mell, stated to the Council the importance of taking care of the smallest creatures. Ms. Draeger suggested a mediator may be able to find a solution.
- Diane Parkhurst, Co-Founder of FOA, gave the history of FOA and animal control in the City. Ms. Parkhurst expressed the need for people to get involved with FOA as volunteers or Board members.
- Katy Goodman, FOA Administrative Assistant and intake processor, stated that staff has the best knowledge of the number of stray animals that are brought in. She is available for any questions on numbers anyone may have.
- Richard Colson, 510 Carlton Avenue, stated that he lives across the street from the proposed Middle School apartment project and voiced his concern over the lack of adequate parking for the apartments and school district offices that will be housed there. Mr. Colson also questioned if the Planning Commission or Council was aware there would be permitted parking. Mr. Colson also discussed the lack of green space in the site plan and the concern for the kids that will be living there.
- Sheila Lamb, 1912 Selmser Avenue, address the Council stating her disappointment in tonight's Council approval for a feasibility study for Enbridge to potentially tap into the Lake Superior Waterline as a supplemental source of fire suppression water. Ms. Lamb advised the Council to not support Enbridge and proceed with caution, indicating Enbridge is not a good neighbor.

COUNCIL COMMENTS, ANNOUNCEMENTS, AND UPDATES

On a motion duly carried by a unanimous yea vote of all members present on roll call, the Council adjourned.

_____

Aaron Reeves, City Administrator

CLOQUET

ADMINISTRATIVE OFFICES
1307 Cloquet Avenue • Cloquet, MN 55720
Phone: 218-879-3347 • Fax: 218-879-6555
email: admin@ci.cloquet.mn.us
www.ci.cloquet.mn.us

REQUEST FOR COUNCIL ACTION

To:	Mayor and City Council
From:	Nancy Klassen, Finance Director
Reviewed/Approved by:	Aaron Reeves, City Administrator
Date:	August 1, 2018

ITEM DESCRIPTION: Payment of Bills and Payroll

Proposed Action
Staff recommends the Council move to adopt **RESOLUTION NO. 18-55, A RESOLUTION AUTHORIZING THE PAYMENT OF BILLS AND PAYROLL.**

Background/Overview
Statutory Cities are required to have most claims authorized by the city council.

Policy Objectives
MN State Statute sections 412.271, Claims and disbursements for Statutory Cities.

Financial/Budget/Grant Considerations
See resolution for amounts charged to each individual fund.

Advisory Committee/Commission Action
Not applicable.

Supporting Documents Attached
a. Resolution Authorizing the Payment of Bills and Payroll.
b. Vendor Summary Report.
c. Department Summary Report.

CITY OF CLOQUET
COUNTY OF CARLTON
STATE OF MINNESOTA

RESOLUTION NO. 18-55

A RESOLUTION AUTHORIZING THE PAYMENT OF BILLS AND PAYROLL

WHEREAS, The City has various bills and payroll each month that require payment.

NOW, THEREFORE, BE IT RESOLVED, BY THE CITY COUNCIL OF THE CITY OF CLOQUET, MINNESOTA, That the bills and payroll be paid and charged to the following funds:

101	General Fund	$	383,255.53
207	Community Development Operating		10,357.95
226	Park Fund		37,059.43
228	Senior Center		225.00
231	Public Works Reserve		58,061.20
368	Business Park Debt Service		13,338.75
370	Swimming Pond Debt Service		9,786.25
372	City Sales Tax Debt Service		112,057.50
403	Revolving Capital Projects		266,734.55
405	City Sales Tax Projects		431,522.08
600	Water - Lake Superior Waterline		61,836.94
601	Water - In Town		187,919.74
602	Sewer Fund		117,735.97
605	Storm Water Fund		10,003.64
614	CAT-7		10,637.54
701	Employee Severance Benefits		1,447.95
	TOTAL:	$	1,711,980.02

PASSED AND ADOPTED BY THE CITY COUNCIL OF THE CITY OF CLOQUET THIS 8TH DAY OF AUGUST, 2018.

ATTEST:

Dave Hallback, Mayor

Aaron Reeves, City Administrator

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
112050	ADVANCED SERVICES INC	392.00	245.00
112275	ADVANTAGE EMBLEM INC	767.96	175.34
112650	AJ'S LAWNCARE, INC	2,154.40	67.50
113650	AMAZON.COM CREDIT	3,659.46	518.87
116100	AMERICAN PAYMENT CENTERS	184.00	92.00
119700	ARROWHEAD CONCRETE WORKS, INC.	125.00	22.80
121000	ARROWHEAD SPRINGS INC	691.75	346.25
123400	BAKER & TAYLOR	6,892.22	1,643.51
123500	BAKER & TAYLOR ENTERTAINMENT	0.00	21.28
124020	BAYCOM INC	0.00	290.00
125700	BEST OIL COMPANY	65,203.38	11,479.30
125900	BEST SERVICE	1,307.36	15.00
127400	OSCAR J BOLDT CONSTRUCTION	3,842.87	57,948.29
134300	CARLTON COUNTY RECORDER	1,012.00	46.00
136850	CENTER POINT LARGE PRINT	255.24	42.54
137310	CENTURY LINK	16,395.11	1,589.61
139025	CINTAS	2,012.48	129.04
139800	CLOQUET AREA CHAMBER OF COMMER	21,657.49	12,808.55
140200	CITY OF CLOQUET - PETTY CASH	923.18	496.32
141100	CLOQUET FORD-CHRYSLER CENTER	3,077.75	231.86
142800	CLOQUET SANITARY SERVICE	5,585.22	100.73
142950	CLOQUET SHAW MEMORIAL	178.96	10.76
145300	COMMUNITY PRINTING	6,982.32	520.00
147950	COUNTRY CREATIONS INC	0.00	1,575.00
150400	D E M C O	3,386.69	494.61
151750	DAUGHERTY APPLIANCE	57.39	275.00
152775	DELTA DENTAL	3,242.80	3,110.30
155035	DODGE OF BURNSVILLE, INC	0.00	50,723.00
159275	E P C ENGINEERING & TESTING	13,389.00	724.00
161675	EMC NATIONAL LIFE	11,008.65	1,237.50
161850	EMERGENCY AUTOMOTIVE TECH, INC	300.00	85.00
165375	FERGUSON WATERWORKS #2516	8,015.08	4,645.86
168900	JOSEPH FOLZ	1,890.00	1,924.50
170975	FRIENDS OF THE CLOQUET LIBRARY	808.23	63.94
171800	GALE/CENGAGE LEARNING	773.92	109.85
171900	GALLS INCORPORATED	0.00	475.93
172300	GARTNER REFRIGERATION COMPANY	3,967.90	642.05
173575	GEORGE BOUGALIS & SONS INC	222,807.78	275,391.08
174300	GLORY SHINE JANITORIAL CLEAN	7,350.00	1,050.00
175000	GOODIN COMPANY	247.27	399.68
175200	GOPHER STATE ONE CALL INC	721.25	356.40
175840	GRANDE HARDWARE CO.	548.21	77.88
176200	GRAYBAR ELECTRIC COMPANY INC	1,893.50	668.50
179340	HAGENS GLASS & PAINT	16,853.49	995.12

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
179725	HALVERSON, DEAN	0.00	214.00
180500	HAWKINS INC	36,717.12	4,328.85
184485	HUNT ELECTRIC	155.94	89.97
187500	INGRAM LIBRARY SERVICES	5,823.30	1,570.37
190400	J. H. LARSON COMPANY	503.87	126.88
190580	JAKES COMPANIES LLC	0.00	10,384.00
190700	JAMAR COMPANY	10,732.58	1,617.02
193800	JOHNSON'S SEWER ROOTER SERVICE	0.00	225.00
195850	KIMINSKI PAVING	29,904.65	1,625.00
197300	KRAEMER CONSTRUCTION INC	2,435.00	1,000.00
200800	JAMES LANGENBRUNNER	0.00	451.82
202100	LAWSON PRODUCTS INC	2,263.74	401.26
205050	LOFFLER COMPANIES INC	0.00	194.04
207400	MANEY INTERNATIONAL INC	10,302.12	2,414.30
208020	MARK A HAGEN	0.00	270.00
210450	MEDIACOM LLC.	1,437.09	220.72
211300	MENARDS	253.10	20.58
211400	MENARDS	4,478.55	323.50
211700	METRO SALES, INC.	4,960.51	893.33
212400	MICHAUD DIST INC	165.00	22.00
212625	MIDAMERICA BOOKS	104.70	284.25
214000	MIELKE ELECTRIC WORKS	18,537.71	355.00
214350	MILLERBERND MANUFACTURING CO	0.00	2,433.00
214800	CITY OF MINNEAPOLIS RECIEVABLE	688.50	126.00
219067	MN DEPT OF ADMINISTRATION	15,124.08	2,140.20
227525	MOTOROLA	0.00	4,836.00
227750	MTI DISTRIBUTING, INC.	18,298.47	499.67
229500	NAPA AUTO PARTS	5,785.98	317.86
231400	NEENAH FOUNDRY COMPANY	10,271.25	6,236.43
232300	THE NEW YORK TIMES	0.00	378.40
234600	NORTHERN BUSINESS PRODUCTS	5,670.10	165.92
235125	NORTHERN LIGHTS DISPLAY LLC	0.00	5,249.00
236100	NORTHLAND CONSTRUCTORS	41,870.76	3,164.88
236125	NORTHLAND FIRE & SAFETY, INC	1,843.55	223.25
242850	PARSONS ELECTRIC LLC	13,998.62	1,037.18
243300	PAW COMMUNICATION, INC.	2,090.44	420.00
243500	PENWORTHY COMPANY	978.21	103.55
247400	396-PRAXAIR DISTRIBUTION, INC.	5,517.22	210.15
251500	RAITER CLINIC	7,561.60	35.00
258200	RUDY GASSERT YETKA	121,638.15	8,987.50
261800	SEH	444,125.15	41,370.94
265050	SMITTY'S READY MIX OF BARNUM	4,959.50	5,670.00
268800	STOCK TIRE COMPANY	4,852.42	1,168.40
269300	STREICHER'S	4,618.89	472.75

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
270200	SUPERIOR COMPUTER PRODUCTS INC	51,705.74	1,764.25
271325	NANCY GETCHELL	4,704.25	104.95
271975	TEAMSTERS JOINT COUNCIL 32	197,792.65	30,594.30
272300	TELEPHONE ASSOCIATES	1,009.00	338.50
272600	TERMINAL SUPPLY INC	1,562.76	95.00
275075	TITAN MACHINERY	2,804.07	3,200.00
278600	TWIN PORT MAILING	29,510.54	631.15
279100	U S BANK EQUIPMENT FINANCE	3,605.61	548.45
280400	ULLAND BROTHERS, INC.	710,308.97	333,455.82
280925	UNIQUE MANAGEMENT SERVICES	264.60	66.15
281000	UNITED ELECTRIC COMPANY	538.29	72.58
281250	UNITED RENTALS	2,581.44	4,755.78
282900	UPPER LAKES FOODS INC	0.00	22.47
283700	USA BLUEBOOK	2,156.48	168.46
284875	VERIZON WIRELESS	22,714.45	2,938.65
285500	VIKING INDUSTRIAL NORTH	8,732.11	1,128.88
286900	W L S S D	554,181.00	79,742.80
287800	WAL-MART COMMUNITY	859.86	96.24
287900	WAL-MART COMMUNITY	1,051.02	95.62
289015	WELLS FARGO CREDIT CARD	55,045.46	6,802.70
290300	WIDDES FEED & FARM SUPPLY	352.40	470.00
293000	ZARNOTH BRUSH WORKS, INC.	726.58	726.00
293700	ZIEGLER INC	24,578.43	732.86
294000	ZUERCHER TECHNOLOGIES LLC	91,172.80	360.00
R0001266	WICK & ASSOCIATES INC	0.00	650.00
R0001638	1ST AYD CORPORATION	0.00	182.40
R0001639	TIA ROGER HANKINS PETTING ZOO	0.00	300.00
	TOTAL ALL VENDORS:		1,016,187.73

City of Cloquet
Vendor Summary Report Reconciliation
Invoices Due On/Before 8/8/2018

Bills	1,016,187.73
Less: CAFD	(5,305.26)
Less: Library	(10,669.01)
Bills approved	1,000,213.46
Other:	
Debt Service payments	259,436.88
Payroll	485,823.83
Payroll - benefits	(33,494.15)
Total Bills and Payroll Approved	1,711,980.02

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
GENERAL FUND			
00			
152775	DELTA DENTAL	3,242.80	3,053.00
161675	EMC NATIONAL LIFE	11,008.65	1,237.50
271975	TEAMSTERS JOINT COUNCIL 32	197,792.65	29,203.65
			33,494.15
32	LICENSES & PERMITS		
286900	W L S S D	554,181.00	1,804.80
	LICENSES & PERMITS		1,804.80
41	GENERAL GOVERNMENT		
139025	CINTAS	2,012.48	49.03
140200	CITY OF CLOQUET - PETTY CASH	923.18	183.00
175000	GOODIN COMPANY	247.27	107.47
211700	METRO SALES, INC.	4,960.51	250.13
212400	MICHAUD DIST INC	165.00	22.00
234600	NORTHERN BUSINESS PRODUCTS	5,670.10	37.16
258200	RUDY GASSERT YETKA	121,638.15	8,987.50
272300	TELEPHONE ASSOCIATES	1,009.00	169.24
278600	TWIN PORT MAILING	29,510.54	245.45
279100	U S BANK EQUIPMENT FINANCE	3,605.61	205.67
282900	UPPER LAKES FOODS INC		22.47
284875	VERIZON WIRELESS	22,714.45	990.05
287800	WAL-MART COMMUNITY	859.86	39.94
289015	WELLS FARGO CREDIT CARD	55,045.46	2,175.36
	GENERAL GOVERNMENT		13,484.47
42	PUBLIC SAFETY		
112275	ADVANTAGE EMBLEM INC	767.96	175.34
124020	BAYCOM INC		290.00
125700	BEST OIL COMPANY	65,203.38	4,017.76
137310	CENTURY LINK	16,395.11	632.62
139025	CINTAS	2,012.48	57.02
140200	CITY OF CLOQUET - PETTY CASH	923.18	4.00
141100	CLOQUET FORD-CHRYSLER CENTER	3,077.75	231.86
145300	COMMUNITY PRINTING	6,982.32	164.00

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
GENERAL FUND			
42	PUBLIC SAFETY		
161850	EMERGENCY AUTOMOTIVE TECH, INC	300.00	85.00
171900	GALLS INCORPORATED		475.93
175000	GOODIN COMPANY	247.27	107.47
179340	HAGENS GLASS & PAINT	16,853.49	33.00
190700	JAMAR COMPANY	10,732.58	137.38
214800	CITY OF MINNEAPOLIS RECIEVABLE	688.50	126.00
242850	PARSONS ELECTRIC LLC	13,998.62	368.14
243300	PAW COMMUNICATION, INC.	2,090.44	420.00
268800	STOCK TIRE COMPANY	4,852.42	732.40
269300	STREICHER'S	4,618.89	472.75
271325	NANCY GETCHELL	4,704.25	104.95
278600	TWIN PORT MAILING	29,510.54	70.13
279100	U S BANK EQUIPMENT FINANCE	3,605.61	209.35
284875	VERIZON WIRELESS	22,714.45	1,843.57
287900	WAL-MART COMMUNITY	1,051.02	95.62
289015	WELLS FARGO CREDIT CARD	55,045.46	3,499.17
R0001639	TIA ROGER HANKINS PETTING ZOO		300.00
	PUBLIC SAFETY		14,653.46
43	PUBLIC WORKS		
121000	ARROWHEAD SPRINGS INC	691.75	284.25
125700	BEST OIL COMPANY	65,203.38	1,262.72
125900	BEST SERVICE	1,307.36	15.00
137310	CENTURY LINK	16,395.11	138.90
140200	CITY OF CLOQUET - PETTY CASH	923.18	101.42
151750	DAUGHERTY APPLIANCE	57.39	275.00
175200	GOPHER STATE ONE CALL INC	721.25	178.20
190580	JAKES COMPANIES LLC		10,384.00
190700	JAMAR COMPANY	10,732.58	1,220.19
202100	LAWSON PRODUCTS INC	2,263.74	200.63
205050	LOFFLER COMPANIES INC		38.81
207400	MANEY INTERNATIONAL INC	10,302.12	2,414.30
208020	MARK A HAGEN		270.00
229500	NAPA AUTO PARTS	5,785.98	288.96
234600	NORTHERN BUSINESS PRODUCTS	5,670.10	65.99
235125	NORTHERN LIGHTS DISPLAY LLC		5,249.00
236100	NORTHLAND CONSTRUCTORS	41,870.76	3,164.88
247400	396-PRAXAIR DISTRIBUTION, INC.	5,517.22	105.07
261800	SEH	444,125.15	3,520.00
265050	SMITTY'S READY MIX OF BARNUM	4,959.50	5,670.00
268800	STOCK TIRE COMPANY	4,852.42	31.00

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
GENERAL FUND			
43	PUBLIC WORKS		
272300	TELEPHONE ASSOCIATES	1,009.00	24.18
272600	TERMINAL SUPPLY INC	1,562.76	95.00
275075	TITAN MACHINERY	2,804.07	3,200.00
278600	TWIN PORT MAILING	29,510.54	70.13
279100	U S BANK EQUIPMENT FINANCE	3,605.61	21.63
285500	VIKING INDUSTRIAL NORTH	8,732.11	1,029.88
289015	WELLS FARGO CREDIT CARD	55,045.46	35.31
290300	WIDDES FEED & FARM SUPPLY	352.40	470.00
293000	ZARNOTH BRUSH WORKS, INC.	726.58	726.00
293700	ZIEGLER INC	24,578.43	732.86
R0001266	WICK & ASSOCIATES INC		325.00
R0001638	1ST AYD CORPORATION		182.40
	PUBLIC WORKS		41,790.71
46	COMMUNITY DEVELOPMENT		
139800	CLOQUET AREA CHAMBER OF COMMER	21,657.49	12,808.55
	COMMUNITY DEVELOPMENT		12,808.55
COMMUNITY DEV OPERATING (CITY)			
46	COMMUNITY DEVELOPMENT		
134300	CARLTON COUNTY RECORDER	1,012.00	46.00
140200	CITY OF CLOQUET - PETTY CASH	923.18	25.11
234600	NORTHERN BUSINESS PRODUCTS	5,670.10	3.00
272300	TELEPHONE ASSOCIATES	1,009.00	24.18
278600	TWIN PORT MAILING	29,510.54	35.06
279100	U S BANK EQUIPMENT FINANCE	3,605.61	16.22
287800	WAL-MART COMMUNITY	859.86	31.51
289015	WELLS FARGO CREDIT CARD	55,045.46	-25.00
	COMMUNITY DEVELOPMENT		156.08
LIBRARY FUND			
00			
142950	CLOQUET SHAW MEMORIAL	178.96	10.76
170975	FRIENDS OF THE CLOQUET LIBRARY	808.23	63.94
			74.70

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
LIBRARY FUND			
45	CULTURE AND RECREATION		
112650	AJ'S LAWNCARE, INC	2,154.40	67.50
113650	AMAZON.COM CREDIT	3,659.46	518.87
123400	BAKER & TAYLOR	6,892.22	1,643.51
123500	BAKER & TAYLOR ENTERTAINMENT		21.28
136850	CENTER POINT LARGE PRINT	255.24	42.54
139025	CINTAS	2,012.48	22.99
140200	CITY OF CLOQUET - PETTY CASH	923.18	51.58
142800	CLOQUET SANITARY SERVICE	5,585.22	100.73
150400	D E M C O	3,386.69	494.61
171800	GALE/CENGAGE LEARNING	773.92	109.85
172300	GARTNER REFRIGERATION COMPANY	3,967.90	642.05
174300	GLORY SHINE JANITORIAL CLEAN	7,350.00	1,050.00
175000	GOODIN COMPANY	247.27	58.63
179340	HAGENS GLASS & PAINT	16,853.49	37.00
184485	HUNT ELECTRIC	155.94	89.97
187500	INGRAM LIBRARY SERVICES	5,823.30	1,570.37
210450	MEDIACOM LLC.	1,437.09	148.23
211300	MENARDS	253.10	20.58
211700	METRO SALES, INC.	4,960.51	615.08
212625	MIDAMERICA BOOKS	104.70	284.25
232300	THE NEW YORK TIMES		378.40
242850	PARSONS ELECTRIC LLC	13,998.62	300.90
243500	PENWORTHY COMPANY	978.21	103.55
270200	SUPERIOR COMPUTER PRODUCTS INC	51,705.74	1,764.25
280925	UNIQUE MANAGEMENT SERVICES	264.60	66.15
281000	UNITED ELECTRIC COMPANY	538.29	72.58
284875	VERIZON WIRELESS	22,714.45	105.03
289015	WELLS FARGO CREDIT CARD	55,045.46	213.83
	CULTURE AND RECREATION		10,594.31
PARK FUND			
45	CULTURE AND RECREATION		
112050	ADVANCED SERVICES INC	392.00	245.00
125700	BEST OIL COMPANY	65,203.38	1,033.14
137310	CENTURY LINK	16,395.11	304.03
140200	CITY OF CLOQUET - PETTY CASH	923.18	100.00
145300	COMMUNITY PRINTING	6,982.32	303.00
147950	COUNTRY CREATIONS INC		1,575.00
175840	GRANDE HARDWARE CO.	548.21	77.88
179340	HAGENS GLASS & PAINT	16,853.49	925.12
180500	HAWKINS INC	36,717.12	639.39

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
PARK FUND			
45	CULTURE AND RECREATION		
190400	J. H. LARSON COMPANY	503.87	126.88
211400	MENARDS	4,478.55	91.96
227750	MTI DISTRIBUTING, INC.	18,298.47	499.67
229500	NAPA AUTO PARTS	5,785.98	9.16
261800	SEH	444,125.15	3,175.00
268800	STOCK TIRE COMPANY	4,852.42	405.00
289015	WELLS FARGO CREDIT CARD	55,045.46	33.36
	CULTURE AND RECREATION		9,543.59
SENIOR CENTER FUND			
45	CULTURE AND RECREATION		
193800	JOHNSON'S SEWER ROOTER SERVICE		225.00
	CULTURE AND RECREATION		225.00
PUBLIC WORKS RESERVE			
42	PUBLIC SAFETY		
155035	DODGE OF BURNSVILLE, INC		50,723.00
219067	MN DEPT OF ADMINISTRATION	15,124.08	2,140.20
227525	MOTOROLA		4,836.00
294000	ZUERCHER TECHNOLOGIES LLC	91,172.80	360.00
	PUBLIC SAFETY		58,059.20
43	PUBLIC WORKS		
140200	CITY OF CLOQUET - PETTY CASH	923.18	2.00
	PUBLIC WORKS		2.00
CAPITAL PROJECTS - REVOLVING			
00			
173575	GEORGE BOUGALIS & SONS INC	222,807.78	-14,494.27
280400	ULLAND BROTHERS, INC.	710,308.97	-11,349.03
			-25,843.30

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
CAPITAL PROJECTS - REVOLVING			
81	SPECIAL PROJECTS		
159275	E P C ENGINEERING & TESTING	13,389.00	724.00
173575	GEORGE BOUGALIS & SONS INC	222,807.78	289,885.35
176200	GRAYBAR ELECTRIC COMPANY INC	1,893.50	668.50
261800	SEH	444,125.15	1,300.00
	SPECIAL PROJECTS		292,577.85
CITY SALES TAX CAPITAL			
00			
127400	OSCAR J BOLDT CONSTRUCTION	3,842.87	-3,049.91
280400	ULLAND BROTHERS, INC.	710,308.97	-6,201.27
			-9,251.18
81	SPECIAL PROJECTS		
127400	OSCAR J BOLDT CONSTRUCTION	3,842.87	60,998.20
214350	MILLERBERND MANUFACTURING CO		2,433.00
261800	SEH	444,125.15	26,335.94
280400	ULLAND BROTHERS, INC.	710,308.97	351,006.12
	SPECIAL PROJECTS		440,773.26
WATER - LAKE SUPERIOR WATERLIN			
51	STATION 2		
121000	ARROWHEAD SPRINGS INC	691.75	32.00
137310	CENTURY LINK	16,395.11	199.41
197300	KRAEMER CONSTRUCTION INC	2,435.00	1,000.00
214000	MIELKE ELECTRIC WORKS	18,537.71	355.00
283700	USA BLUEBOOK	2,156.48	168.46
	STATION 2		1,754.87
52	LAKE SUPERIOR WATERLINE		
125700	BEST OIL COMPANY	65,203.38	459.17
140200	CITY OF CLOQUET - PETTY CASH	923.18	29.21
165375	FERGUSON WATERWORKS #2516	8,015.08	4,645.86

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
WATER - LAKE SUPERIOR WATERLIN			
52	LAKE SUPERIOR WATERLINE		
190700	JAMAR COMPANY	10,732.58	122.08
211400	MENARDS	4,478.55	67.74
281250	UNITED RENTALS	2,581.44	4,755.78
289015	WELLS FARGO CREDIT CARD	55,045.46	86.50
	LAKE SUPERIOR WATERLINE		10,166.34
57	ADMINISTRATION		
205050	LOFFLER COMPANIES INC		38.81
	ADMINISTRATION		38.81
WATER - IN TOWN SYSTEM			
49	CLOQUET		
119700	ARROWHEAD CONCRETE WORKS, INC.	125.00	22.80
125700	BEST OIL COMPANY	65,203.38	573.97
137310	CENTURY LINK	16,395.11	113.75
168900	JOSEPH FOLZ	1,890.00	1,924.50
179725	HALVERSON, DEAN		214.00
180500	HAWKINS INC	36,717.12	3,689.46
195850	KIMINSKI PAVING	29,904.65	1,625.00
200800	JAMES LANGENBRUNNER		451.82
202100	LAWSON PRODUCTS INC	2,263.74	120.38
229500	NAPA AUTO PARTS	5,785.98	19.74
247400	396-PRAXAIR DISTRIBUTION, INC.	5,517.22	63.05
251500	RAITER CLINIC	7,561.60	35.00
285500	VIKING INDUSTRIAL NORTH	8,732.11	99.00
287800	WAL-MART COMMUNITY	859.86	24.79
289015	WELLS FARGO CREDIT CARD	55,045.46	55.00
R0001266	WICK & ASSOCIATES INC		325.00
	CLOQUET		9,357.26
54	BILLING & COLLECTION		
116100	AMERICAN PAYMENT CENTERS	184.00	92.00
145300	COMMUNITY PRINTING	6,982.32	53.00
211700	METRO SALES, INC.	4,960.51	28.12
234600	NORTHERN BUSINESS PRODUCTS	5,670.10	17.08

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
WATER - IN TOWN SYSTEM			
54	BILLING & COLLECTION		
278600	TWIN PORT MAILING	29,510.54	70.13
279100	U S BANK EQUIPMENT FINANCE	3,605.61	52.34
	BILLING & COLLECTION		312.67
57	ADMINISTRATION & GENERAL		
137310	CENTURY LINK	16,395.11	83.34
175200	GOPHER STATE ONE CALL INC	721.25	106.92
205050	LOFFLER COMPANIES INC		38.81
234600	NORTHERN BUSINESS PRODUCTS	5,670.10	6.00
261800	SEH	444,125.15	3,520.00
272300	TELEPHONE ASSOCIATES	1,009.00	72.54
278600	TWIN PORT MAILING	29,510.54	70.13
279100	U S BANK EQUIPMENT FINANCE	3,605.61	21.62
289015	WELLS FARGO CREDIT CARD	55,045.46	-27.00
	ADMINISTRATION & GENERAL		3,892.36
ENTERPRISE FUND - SEWER			
00			
286900	W L S S D	554,181.00	-3,832.00
			-3,832.00
55	SANITARY SEWER		
125700	BEST OIL COMPANY	65,203.38	229.59
202100	LAWSON PRODUCTS INC	2,263.74	80.25
211400	MENARDS	4,478.55	163.80
231400	NEENAH FOUNDRY COMPANY	10,271.25	6,236.43
236125	NORTHLAND FIRE & SAFETY, INC	1,843.55	223.25
247400	396-PRAXAIR DISTRIBUTION, INC.	5,517.22	42.03
286900	W L S S D	554,181.00	81,770.00
	SANITARY SEWER		88,745.35
57	ADMINISTRATION & GENERAL		

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
ENTERPRISE FUND - SEWER			
57	ADMINISTRATION & GENERAL		
137310	CENTURY LINK	16,395.11	55.56
175200	GOPHER STATE ONE CALL INC	721.25	71.28
205050	LOFFLER COMPANIES INC		38.81
234600	NORTHERN BUSINESS PRODUCTS	5,670.10	6.00
261800	SEH	444,125.15	3,520.00
272300	TELEPHONE ASSOCIATES	1,009.00	48.36
278600	TWIN PORT MAILING	29,510.54	70.12
279100	U S BANK EQUIPMENT FINANCE	3,605.61	21.62
	ADMINISTRATION & GENERAL		3,831.75
STORM WATER UTILITY			
57	ADMINISTRATION & GENERAL		
205050	LOFFLER COMPANIES INC		38.80
289015	WELLS FARGO CREDIT CARD	55,045.46	16.17
	ADMINISTRATION & GENERAL		54.97
CABLE TELEVISION			
45	CULTURE AND RECREATION		
121000	ARROWHEAD SPRINGS INC	691.75	30.00
137310	CENTURY LINK	16,395.11	62.00
210450	MEDIACOM LLC.	1,437.09	72.49
	CULTURE AND RECREATION		164.49
EMPLOYEE SEVERANCE			
45	EMPLOYEE VACATION & SICK		
152775	DELTA DENTAL	3,242.80	57.30
271975	TEAMSTERS JOINT COUNCIL 32	197,792.65	1,390.65
	EMPLOYEE VACATION & SICK		1,447.95
CLOQUET AREA FIRE DISTRICT			
42	PUBLIC SAFETY		
125700	BEST OIL COMPANY	65,203.38	3,902.95

INVOICES DUE ON/BEFORE 08/08/2018

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
CLOQUET AREA FIRE DISTRICT			
42	PUBLIC SAFETY		
175000	GOODIN COMPANY	247.27	126.11
190700	JAMAR COMPANY	10,732.58	137.37
234600	NORTHERN BUSINESS PRODUCTS	5,670.10	30.69
242850	PARSONS ELECTRIC LLC	13,998.62	368.14
289015	WELLS FARGO CREDIT CARD	55,045.46	740.00
	PUBLIC SAFETY		5,305.26
	TOTAL ALL DEPARTMENTS		1,016,187.73

CLOQUET

ADMINISTRATIVE OFFICES
1307 Cloquet Avenue • Cloquet, MN 55720
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email: admin@ci.cloquet.mn.us
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REQUEST FOR COUNCIL ACTION

To:	Mayor and City Council
From:	Nancy Klassen, Finance Director
Reviewed by:	Aaron Reeves, City Administrator
Date:	July 30, 2018

ITEM DESCRIPTION: Approval of the Purchasing Policy Change

Proposed Action
Staff recommends the Council approve the Purchasing Policy change for State Statute competitive bidding threshold increase.

Background/Overview
Minnesota State Statutes address the requirements for purchasing for local governments. These statutes have changed several times over the years. The legislation changed the competitive bidding threshold beginning August 1, 2018 from $100,000 to $175,000 and extends the range for direct negotiation (at least two quotes) from $25,000 through $100,000 to $25,000 through $175,000.

Policy Objectives
Update the policy to summarize and address the Minnesota Statutes on purchasing, sale of surplus property, insurance requirements for vendors, and other miscellaneous items.

Financial Impacts/Budget/Grant Considerations
Competitive bidding can be costly for smaller projects. Smaller projects can be entered into by direct negotiation with at least two quotes. The current policy still requires the council approve any contract over $25,000 and the council can require competitive bidding for any contract by choice.

Advisory Committee/Commission Action
Not applicable.

Supporting Documents Attached
League of MN Cities 2018 Law Summaries

ing loans for wastewater infrastructure for cities with less than 5,000 population. Article 4 contains the statutory changes to allow Environment and Natural Resources Trust Fund (ENRTF) revenues to be used to secure appropriation bonds.

- **Public Facilities Authority annual report.** Article 4, sec. 3 requires the Public Facilities Authority to submit an annual report estimating the grant needs under the WIF and PSIG programs and comparing several factors related to water rates for all listed communities.

Provisions in Article 1 and 2 are effective May 31, 2018 unless otherwise noted. Provisions in Article 3 and 4 are effective July 1, 2018 unless otherwise noted. **(CJ)**

GENERAL GOVERNMENT

Competitive bidding threshold increased
Chapter 107 (HF 3841*/SF 3399) increases the threshold requiring a sealed bidding process from $100,000 to $175,000 in Minn. Stat. § 471.345. It also extends the range allowing direct negotiation. Currently, this range is from $25,000 to $100,000; the new law extends it to $175,000. If a contract is estimated to be $25,000 or less, the city has the choice of making the contract by obtaining at least two quotes or buying or selling the item on the open market; this threshold is unchanged. *Effective for contracts entered into on or after Aug. 1, 2018.* **(IK)**

County competitive bidding increase for small business enterprises or veteran-owned small businesses
Chapter 146 (HF 3608/SF 3793*) allows only counties to directly solicit for contracts up to $250,000 with a business that is (1) certified as a small business enterprise by a county-designated small business certification program or (2) certified by the commissioner of administration as a small business that is majority-owned and operated by a veteran or a service-disabled veteran. *Effective Aug. 1, 2018.* **(IK)**

Armory staffing concerns during rental uses addressed
Chapter 157 (HF 3212/SF 3000*) allows the adjutant general of the Minnesota National Guard to order, with their consent, former and current personnel to temporary active service to fulfill staffing needs for armory rental under Minn. Stat. ch. 193. Other related legislation to exempt armories from local ordinances was not passed and can be found in the Did Not Become Law section. *Effective Aug. 1, 2018.* **(CJ)**

→ change policy - Council request.

HEALTH

Isolation and quarantine provisions modified
Chapter 167 (HF 3448/SF 3102*) modifies the definition of communicable disease for purposes of isolation and quarantine laws and prohibits an employer from discharging or discriminating against an employee who chooses to care for a minor, disabled adult family member, or vulnerable adult family member who is subject to isolation or quarantine.

- **"Communicable disease" definition modified.** Section 1 amends Minn. Stat. § 144.419, subd. 1. For sections governing isolation and quarantine, it modifies the definition of communicable disease to mean a disease that can be transmitted person to person and for which isolation or quarantine is an effective control strategy. It lists examples of a communicable disease.
- **"Qualifying employee" definition modified.** Section 2 amends Minn. Stat. § 144.4196, subd. 1. For a section establishing employee protections for persons who have been isolated or quarantined, it expands the definition of qualifying employee to an employee responsible for caring for a person subject to isolation or quarantine. This has the effect of expanding the protections in the following section to employees responsible for caring for persons subject to isolation or quarantine.
- **Protections expanded.** Section 3 amends Minn. Stat. § 144.4196, subd. 2. It expands the employment protections provided to an employee caring for someone subject to isolation or quarantine. An employer cannot discharge or discriminate against an employee caring for a minor, disabled adult family member, or vulnerable adult family member who is subject to isolation or quarantine.

Effective Aug. 1, 2018. **(AF)**

HOUSING

Housing provisions in the bonding bill
Chapter 214 (HF 4425*/SF 4021) is the capital investment "bonding" bill. In it the Minnesota Housing Finance Agency (MHFA) is authorized to issue $10 million in general obligation bonds for public housing rehabilitation, $30 million in housing infrastructure bonds for permanent housing for those with behavioral health needs, and $50 million in housing infrastructure bonds for non-profit housing. *Effective May 31, 2018.* **(HC/IK)**

Tax-exempt bonding changes for MHFA
Chapter 214 (HF 4425*/SF 4021) is the capital investment "bonding" bill. It included provisions related to Minnesota Housing Finance Agency's (MHFA) housing infrastructure bonds.

CLOQUET POLICE DEPARTMENT

508 CLOQUET AVENUE
CLOQUET, MINNESOTA 55720-1799
records@ci.cloquet.mn.us

Phone 218-879-1247
Fax 218-879-1190

REQUEST FOR COUNCIL ACTION

To:	Mayor and City Council
From:	Jeff Palmer, Chief of Police
Reviewed by:	Aaron Reeves, City Administrator
Date:	July 30, 2018

ITEM DESCRIPTION: Participation in Towards Zero Deaths (TZD) Grant

Proposed Action

Staff recommends that Council move to adopt **RESOLUTION NO. 18-56, A RESOLUTION AUTHORIZING THE CLOQUET POLICE DEPARTMENT TO ENTER INTO A GRANT AGREEMENT, IN PARTNERSHIP WITH THE CARLTON COUNTY SHERIFF'S DEPARTMENT AND FOND DU LAC POLICE DEPARTMENT, TO ACT AS THE PRIMARY AGENCY IN THE ADMINISTRATION OF THE REGIONAL TOWARDS ZERO DEATHS GRANT.**

Background/Overview

Minnesota TZD is the state's cornerstone traffic safety program, employing an interdisciplinary approach to reducing traffic crashes, injuries, and deaths on Minnesota roads. While individual disciplines have a long history of successful traffic safety programs, TZD aims to tie these together with a common vision and mission for even greater success. The TZD program uses data to target areas for improvement and employ proven countermeasures.

The TZD program is administered at the state level by the Office of Traffic Safety (OTS) within the Minnesota Department of Public Safety, and the Office of Traffic, Safety, and Technology within the Minnesota Department of Transportation.

The TZD program team works partners with local agencies and communities to improve the traffic safety of a designated area. Toward Zero Deaths provides technical assistance, materials, and guidance to local groups that are committed to reducing crashes and the fatalities and severe injuries that result from them. Periodic enforcement efforts typically focus on traffic safety issues including but not limited to speed, DWI, seat belt use and distracted driving.

The Cloquet Police Department has been a participating member in the TZD program for over a decade. Recently, the primary agency has opted out of program participation (Fond du Lac Police Department). Allowing the Cloquet Police Department to administer the program will sustain the grant funding in the region.

Policy Objectives

Participation in this program allows the police department to enhance community education related to traffic safety and increase enforcement efforts to reduce crashes. It will allow the Police Department to continue to provide a full level of service to our community.

Financial/Budget/Grant Considerations
Participation in this grant program allows for the Cloquet Police Department to be reimbursed for overtime expenses incurred during enforcement details.

Advisory Committee/Commission Action
N/A

Supporting Documentation Attached
- Resolution No. 18-56
- Grant Agreement

CITY OF CLOQUET
COUNTY OF CARLTON
STATE OF MINNESOTA

RESOLUTION NO. 18-56

A RESOLUTION AUTHORIZING THE CLOQUET POLICE DEPARTMENT TO ENTER INTO A GRANT AGREEMENT, IN PARTNERSHIP WITH THE CARLTON COUNTY SHERIFF'S DEPARTMENT AND FOND DU LAC POLICE DEPARTMENT, TO ACT AS THE PRIMARY AGENCY IN THE ADMINISTRATION OF THE REGIONAL TOWARDS ZERO DEATHS GRANT

WHEREAS, The Towards Zero Deaths (TZD) Program provides technical assistance, materials, and guidance to local groups that are committed to reducing crashes and fatalities; and

WHEREAS, The Cloquet Police Department has been a participating member in the TZD Program for over a decade; and

WHEREAS, In order to be awarded the TZD Grant, the Department of Public Safety requires a Resolution authorizing participation in the project; and

NOW, THEREFORE, BE IT RESOLVED, BY THE CITY COUNCIL OF THE CITY OF CLOQUET, MINNESOTA, That the Cloquet Police Department be authorized to enter into a grant agreement with the Minnesota Department of Public Safety, for traffic safety enforcement projects during the period from October 1, 2018 through September 30, 2019.

BE IT FURTHER RESOLVED, that the Cloquet Police Department through its Interim Chief of Police, Jeff Palmer, or its Commander, Carey Ferrell, are hereby authorized to execute such agreements and amendments as necessary to implement the project on behalf of the Cloquet Police Department and to be the fiscal agent and administer the grant.

PASSED AND ADOPTED BY THE CITY COUNCIL OF THE CITY OF CLOQUET THIS 8TH DAY OF AUGUST 2018.

_____
Dave Hallback, Mayor

ATTEST:

_____
Aaron Reeves, City Administrator

Example; Lead Agency
RESOLUTION AUTHORIZING EXECUTION OF AGREEMENT

Be it resolved that _____ enter into a grant
(Name of Your Agency)
agreement with the Minnesota Department of Public Safety, for traffic safety enforcement projects during the period from October 1, 2018 through September 30, 2019.

_____ is hereby authorized to execute such agreements and amendments
(Title of Lead Agency Authorized Official)
as are necessary to implement the project on behalf of _____ and to be
(Name of Lead Agency)
the fiscal agent and administer the grant.

(The following is an example of a signature block – other formats for certifying a resolution has been adopted are permitted. In addition, you could instead provide a copy of official minutes of council meeting at which the resolution was approved.).

I certify that the above resolution was adopted by the Mayor or City Clerk
(Executive Body)
of _____, _____ on _____ .
(Name of Lead) *(Date)*

SIGNED:	WITNESSETH:
_____	_____
(Signature)	*(Signature)*
City Mayor*	City Clerk*
_____	_____
(Title)	*(Title)*
_____	_____
(Date)	*(Date)*

*or individual(s) named in approved resolution.

CLOQUET

ADMINISTRATIVE OFFICES
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Phone: 218-879-3347 • Fax: 218-879-6555
email: admin@ci.cloquet.mn.us
www.ci.cloquet.mn.us

REQUEST FOR COUNCIL ACTION

To:	Mayor and City Council
From:	Aaron Reeves, City Administrator
Date:	August 2, 2018

ITEM DESCRIPTION: Cloquet Country Club Beer and On-Sale Liquor Sales at Northwoods Arena

Proposed Action

Staff recommends that the City Council move to authorize the extension of the Cloquet Country Club's On-Sale Intoxicating Liquor License to allow for the sale of beer and limited selection of hard alcohol products at the Northwoods Arena during the home games of the MN Wilderness' 2018-2019 season with the following conditions:

- Sales be limited to the specific dates and times associated with the team's 2018-2019 home schedule as provided to the City.
- Sales be restricted to the interior of the Northwoods Arena with no consumption allowed either outside the building or in locker room areas.
- No sales shall take place in the building when youth amateur events are held within that building.
- The licensee provide the City with a certificate of insurance covering the facility and including the City as an additional insured.
- The Club and/or licensee provide sufficient security personnel at all times when alcohol is sold to ensure the enforcement of all rules, regulations, and laws related to the sale and consumption of alcohol.

Background/Overview

The MN Wilderness are part of the North American Hockey League (NAHL) that has been based in Cloquet since 2012. The team has once again requested the opportunity to sell beer/intoxicating liquor during home games this season through the Cloquet Country Club's On-Sale Intoxicating Liquor License. The arena has been permitted to sell during its home games the past 2 seasons through the extension of the Country Club's On-Sale Intoxicating Liquor License and the previous seasons with the Lumberjack Lounge's license.

The City has historically allowed beer and intoxicating liquor to be sold at Northwoods Arena for a wide variety of special events. Typically, these have been allowed through the issuance of temporary licenses to local non-profit organizations.

Under Minnesota Statutes 340A.404, Subdivision 4, the governing body of a municipality may authorize a holder of a retail On-Sale Intoxicating Liquor License issued by the municipality to dispense

intoxicating liquor at any convention, banquet, conference, meeting or social affair conducted on the premises of a sports, convention, or cultural facility owned by the municipality. Both the City Attorney and State of Minnesota have confirmed that CARC qualifies for sales under this section of State law.

The Cloquet Country Club has submitted their request to the City to obtain authorization allowing the expansion of their license for the facility. The team has indicated that the term "limited" selection means both limit in types/quantity as well as when it may be offered. This may vary by the game depending on circumstance. Team games are typically at night from 7:00-9:00 pm and sales will take place only during game hours.

During last season's game schedule, the City received no complaints regarding the sale of alcohol at the facility. There were no major issues related to problems or involvement of law enforcement.

Key Issues
The City has no specific requirements under City Code related to this request. As a result, it must refer to Minnesota Statute and certain aspects of its other licensing requirements to identify the key issues.

- **Authorization Term** - Authorization must be approved for a holder of an On-Sale Intoxicating Liquor license issued by the municipality. The authorization term should run concurrently with the provider's existing license. Currently, all Cloquet liquor licenses are valid from July 1st - June 30th.

- **Insurance** - The licensee should provide a certificate of insurance providing evidence of coverage at CARC and further identify the City as an additional insured.

- **Fee** - There is no established fee for such authorization. Staff is not proposing any fee but would suggest that the City consider establishing a small fee for future cases.

- **Security** - Again, the City has no current requirements for security. The City Code does require 2 police officers at any event obtaining a temporary license. The Club has indicated it will provide up to 5-6 of its own security as it has done during past seasons.

- **Service Area** - The Club has indicated that sales will be restricted to the arena. No consumption can take place outside the arena or in locker room areas. The City should identify this as part of the license.

- **Minors/Youth Hockey** - Under Statute, the licensee may not dispense intoxicating liquor to any person attending or participating in a youth amateur event (for persons 18 years of age or younger) held on the premises. Junior A level hockey is not considered an amateur event under this definition. The Club has identified other restrictions to manage this aspect.

- **Dates of Sales** - There is interest by the Club to see that the licensee be allowed to have exclusive rights to sell during all Wilderness home games. In other words, the license will be restricted to only those home games identified on the attached schedule. The applicant (Cloquet Country Club) could make additional requests to the City, requiring the approval of the City Council, for specific events as they are identified.

- **Storage** - The team has a keyed secure storage area, "Ice Hockey Factory", that it controls. Any excess alcohol will be stored in this area between games. The team has indicated storage will be limited depending on the frequency of games.

Policy Objectives
M.S. 340A.404, Subd. 4, specifically addresses this request. City Code, Section 6.2 also addresses the licensing of alcohol within City limits.

Financial/Budget/Grant Considerations
There are no direct financial impacts to the City related to this application. Only in the case that the Council agreed to provide security in the form of police officers and not charge a fee, would there be any direct cost to the City.

Advisory Committee/Commission Action
None.

Supporting Documentation Attached
None.

CLOQUET

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REQUEST FOR COUNCIL ACTION

To:	Mayor and City Council
From:	Aaron Reeves, City Administrator AR
Date:	August 1, 2018

ITEM DESCRIPTION: Schedule 2018 Primary Election Canvass Meeting

Proposed Action
Staff recommends the City Council move to schedule the City Council canvass special meeting on Thursday, August 16th or the morning of Friday, August 17th.

Background/Overview
In order to canvass the results of the August 14, 2018 Primary Election, the City must schedule a special meeting either on the second or third day after the primary. Staff is suggesting Thursday, August 16th or the morning of Friday, August 17th. There must be a quorum present and the only action to consider at this meeting will be the election results.

Policy Objectives
Minnesota State Statute 205.065, subd. 5, states that "the canvass may be conducted on either the second or third day after the primary". Staff is recommending Thursday, August 16, 2018.

Financial/Budget/Grant Considerations
None.

Advisory Committee/Commission Action
None.

Supporting Documentation Attached
None.

CLOQUET

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REQUEST FOR COUNCIL ACTION

To: Honorable Mayor and City Council
From: Aaron S. Reeves, City Administrator
Date: August 8, 2018

ITEM DESCRIPTION: Animal Ordinance Update

Proposed Action
Approve the ordinance as presented that amends the "Running at Large" and "Licensing" sections of the City Code.

Background/Overview
With Friends of Animals closing and Animal Allies not able to take additional stray animals from Cloquet we are not able to enforce our current City Code related to animals running at large. The attached ordinance amends the Code but does still allow for the City to enforce animals at large that cause property damage or injury that do not rise to the level of a Dangerous Animal. In addition, this ordinance amends the licensing requirement to eliminate licenses but require proper identification.

Supporting Documentation Attached
- Ordinance Amending City Code Chapter 9 - Animals

ORDINANCE NO. 474A

AN ORDINANCE TO AMEND CITY CODE CHAPTER 8 - ANIMALS, AMENDING THE DEFINITION OF "RUNNING AT LARGE", AND AMENDING THE REQUIREMENT FOR THE LICENSING OF DOGS AND CATS

The City Council of the City of Cloquet does hereby ordain as follows:

Section 1. **City Code Amendment.** That the Cloquet City Code, be amended by replacing Subdivision 10, titled "Running at Large." In Section 8.1.01 of Chapter 8, with the following:

Subd. 10 Running at Large. "At Large" shall be intended to mean off the premises of the owner and not under the control of the owner or a member of his or her immediate family either by leash, cord, chain or otherwise. No person owning, keeping or harboring an animal shall permit the animal to run at large. For the purposes of this section, an animal shall be deemed to be running at large:

A. When the animal commits damage to the property of anyone other than the owner or injury to the person of anyone other than the owner, except in defense of the animal's owner or the owner's family.

Section 2. **City Code Amendment.** That the Cloquet City Code, be amended by replacing Section 8.2.06, titled "Running at Large Prohibited." In Chapter 8, with the following:

8.2.06 Running at Large Prohibited. No owner or keeper of any dog shall negligently or intentionally permit the animal to run at large, as that term is defined in Subd. 10 of Section 8.1.01, within the City of Cloquet. Given the potentially serious public health and safety concerns, it is the City's intent that with respect to the application of this section that the standard of negligence to be applied in considering a violation will be that of ordinary negligence as is required in a civil action.

Section 3. **City Code Amendment.** That the Cloquet City Code, be amended by repealing Section 8.2.01, titled "Dog and Cat Licenses Required." and replacing Section 8.2.02, titled "Tag and Collar.", both of Chapter 8, as follows:

8.2.01 Repealed.

8.2.02 ID Tag/Micro-chip. It is unlawful for any person to keep, harbor or maintain a dog, cat or ferret over the age of four months unless it has an ID tag, to be worn at all times, that has on it the owner's name and contact information, including a valid telephone number, or unless it is micro-chipped with the micro-chip data contact information kept up to date. However, if the animal is harbored or kept on the premises of a recognized Humane Society shelter or pet store it need not have an ID tag or be micro-chipped.

Section 4. **Effective Date.** This ordinance shall take effect and be in force from and after its passage and publication in accordance with law.

STATEMENT OF PURPOSE: This ordinance amends the definition of "Running at Large" to only apply to animals causing damage to property or injury to persons other than the owner while at large, and changes the requirement for the licensing of dogs and cats to requiring identification information in the form of an ID tag or micro-chip.

Passed this 8th day of August, 2018.

CITY OF CLOQUET

By: _____
Its Mayor

ATTEST:

By: _____
Its City Administrator

Published this _____ day of _____, 2018

CLOQUET

DEPARTMENT OF PUBLIC WORKS

1307 Cloquet Avenue; Cloquet, MN 55720
Phone: (218) 879-6758 Fax: (218) 879-6555
Street - Water - Sewer – Engineering - Park
www.ci.cloquet.mn.us

REQUEST FOR COUNCIL ACTION

To:	City Council
From:	John Anderson, Assistant City Engineer
Reviewed By:	Aaron Reeves, City Administrator AK
Date:	August 8, 2018

ITEM DESCRIPTION: Arch Street Area Change Order No. 1

Proposed Action

The City Council has the following options related to this change order:

1. Approve Change Order No. 1A to City Contract 1075 providing for the construction of 3 concrete stairs to access the properties at 214, 220, and 224 Avenue D;

2. Approve Change Order No. 1B to City Contract 1075 providing for one concrete stair and connecting sidewalk to access the properties at 214, 220, and 224 Avenue D; and

3. Authorize Staff to proceed with the project as planned to remove the stairs and replace the retaining wall with no access to Avenue D for the properties at 214, 220, and 224 Avenue D.

Background

During the plan development phase of this project the need to replace the retaining wall along the south side of Avenue D was identified as a major component of the project. This wall supports the hill to the south of Avenue D and is needed to construct and maintain the roadway. The wall is constructed in a number of sections with the bulk of it being field stone stacked and mortared together. The western end of the block has a couple sections of shorter poured concrete walls. Three of the four properties situated along the south side of Avenue D have stairs that access Avenue D in addition to the driveway access from the alley to the south.

All three of the concrete stairs showed signs of age and deterioration of the concrete structure. Given the condition of the existing stairs and the fact that the properties all have access through the alley, staff approached the property owners with a plan to remove the existing stairs and replace the retaining wall with no access to Avenue D. The proposed wall would be built with large concrete blocks similar to the wall along Big Lake Road near Perkins. The proposed wall would continue at a uniform height of roughly 6 feet above the sidewalk through the entire block. The wall was specified to be stained with a 5 color stain to give a natural stone appearance. A chain link fence would be placed at the top of the wall for safety. Though discussions with the property owners, it was agreed that the 3 sets of concrete stairs would be eliminated and replaced with the wall described above.

Shortly after construction began, property owners have reconsidered their stance on the stairs and have concerns about access to their property being eliminated.

Discussion

In response to the property owner request, staff has researched the options related replacement of the stairs. As it is not feasible to construct the new retaining wall and leave the existing stairs in place, one option would be to replace all three stairs and modify the retaining wall design to allow for the stairs. A second option would be to construct one common stair and a connecting sidewalk at the top of the stair. Staff has obtained pricing from the contractor for construction of stairs as follows:

- Construction of 3 stairs and associated retaining wall modifications - $125,000
- Construction of 1 stair, connecting sidewalk and retaining wall modifications - $60,000

These 3 properties have garages that access the alley and everyday traffic appears to access the homes from the alley. In 2000 the western portion of the alley was reconstructed to extend sewer services from the alley. These 3 properties were assessed for the work in the alley as part of that project.

We have discussed the city's responsibility to maintain street access to Avenue D with the City Attorney. Based on those discussions it is the attorney's opinion that the City is within its rights to remove the stair access and not reinstate them.

The retaining wall for this area covers 3 sides of the block. It begins on at the east end of the alley on Arch Street, runs along Arch Street, turns and runs the entire length of the block on Avenue D and turns and runs along Market Street back to the west end of the alley. The project plans call for full replacement of the Arch Street and Avenue D wall segments and roughly 15 feet along Market Street. The costs involved in the work to remove the existing wall, remove the existing stairs, build a new wall, construct fencing along the top and restore the area behind the wall with grass for this block of Avenue D is $385,000 based on the project bid.

One of the residents asked that the sloped area above the retaining wall be landscaped with rock to minimize grass maintenance necessary on the slope. We priced out covering the entire steeper sloped area above the wall with the contractor. The cost of this work would be $32,000 compared to $2,400 to place topsoil, seed and erosion control blanket on the slope. This additional cost is not included in the cost associated with the stair construction but could be added to the project if so directed by the City Council.

Photos

224 Avenue D

220 Avenue D

214 Avenue D

409 Arch Street (Avenue D side)

Policy Objectives
N/A.

Financial/Budget/Grant Considerations
The original contract price for this project was $1,969,886.05 and the project budget is $1,895,000. A portion of this project is funded by Municipal State Aid Funds. Avenue D is not on the City's state aid system and therefore costs associated with frontage on Avenue D are not eligible for state aid funds. Any costs incurred to replace stairs on Avenue D would be funded through the General Fund.

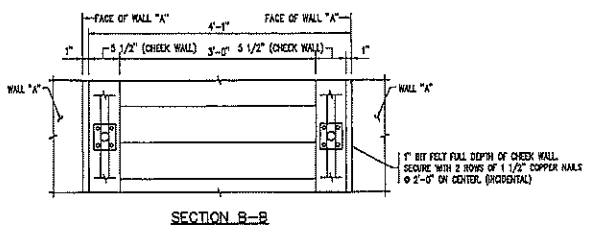
Advisory Committee/Commission Action
None.

Supporting Documents Attached
- Location Map
- Stair Replacement Plan
- Change Order #1A
- Change Order #1B

AVENUE D RETAINING WALL
LOCATION MAP

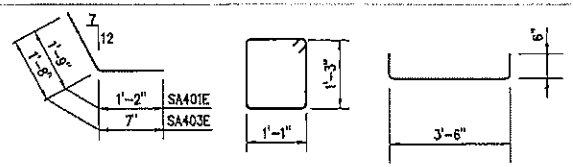
RETAINING WALL
EXISTING STAIRS
ALLEY
RIGHT OF WAY

DATE: 7/31/18



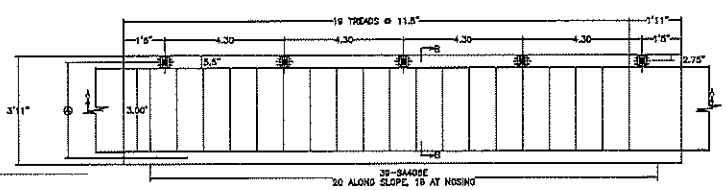
SECTION B–B

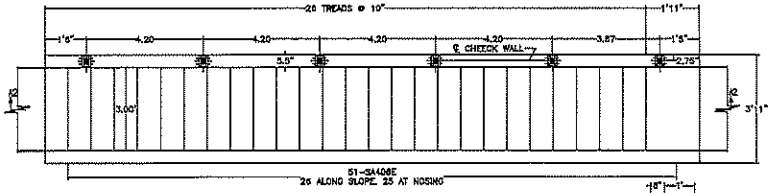
BILL OF REINFORCEMENT FOR STEPS: 1,2,3				
BAR MARK	NO. OF BARS	LENGTH (FT.–IN.)	SHAPE	LOCATION
SA401E	15	2'–11"	BENT	STAIR LONGITUDINAL
SA402E	15	20'–0"	STRAIGHT	STAIR LONGITUDINAL
SA403E	15	2'–3"	BENT	STAIR LONGITUDINAL
SA404E	12	3'–6"	STRAIGHT	END BLOCK TRANSVERSE
SA405E	15	5'–5"	BENT	END BLOCK TIE
SA406E	90	4'–6"	BENT	STAIR TRANSVERSE

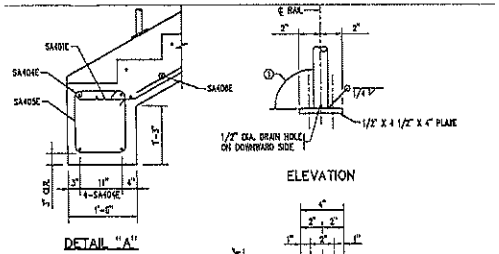


SA401E & SA403E SA405E SA406E

NOTE:
- REINFORCEMENT TABLE IS FOR INFORMATION ONLY. WEIGHT OF REINFORCING IS INCIDENTAL TO ITEM "CONCRETE STAIRWAY".
- BENT BAR DIMENSIONS ARE OUT-TO-OUT. ACTUAL BAR LENGTHS SHALL BE BASED ON DETAIL DIMENSIONS SHOWN IN THE BAR BENDING DIAGRAMS.

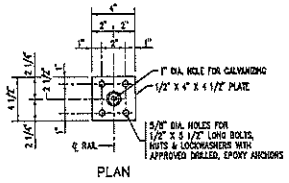






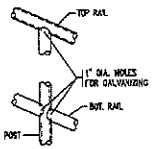
DETAIL "A"

ELEVATION

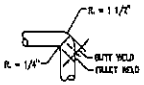


PLAN

RAIL POST PLATE DETAIL



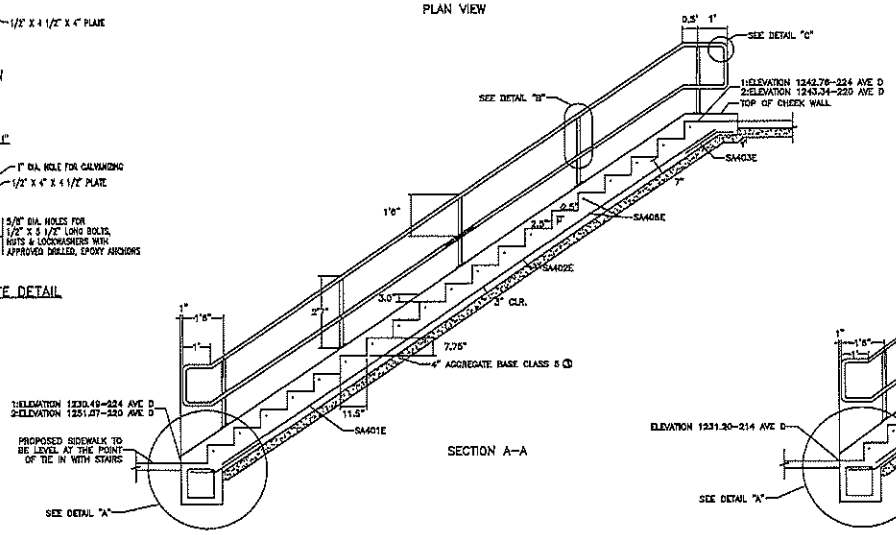
DETAIL "B"



DETAIL "C"

STEP 1: 224 AVE D
STEP 2: 220 AVE D

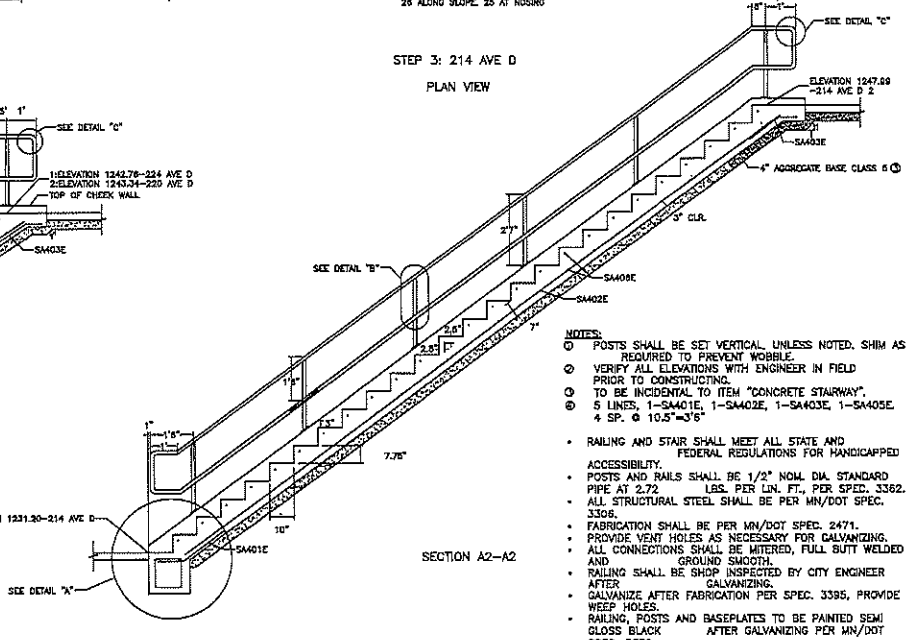
PLAN VIEW



SECTION A–A

STEP 3: 214 AVE D

PLAN VIEW



SECTION A2–A2

NOTES:
- ① POSTS SHALL BE SET VERTICAL, UNLESS NOTED. SHIM AS REQUIRED TO PREVENT WOBBLE.
- ② VERIFY ALL ELEVATIONS WITH ENGINEER IN FIELD PRIOR TO CONSTRUCTING.
- ③ TO BE INCIDENTAL TO ITEM "CONCRETE STAIRWAY".
- ④ 5 LINES, 1–SA401E, 1–SA402E, 1–SA403E, 1–SA405E. 4 SP. @ 10.5"=3'6"
- RAILING AND STAIR SHALL MEET ALL STATE AND FEDERAL REGULATIONS FOR HANDICAPPED ACCESSIBILITY.
- POSTS AND RAILS SHALL BE 1/2" NOM. DIA. STANDARD PIPE AT 2.72 LBS. PER LIN. FT., PER SPEC. 3362.
- ALL STRUCTURAL STEEL SHALL BE PER MN/DOT SPEC. 3306.
- FABRICATION SHALL BE PER MN/DOT SPEC. 2471.
- PROVIDE VENT HOLES AS NECESSARY FOR GALVANIZING.
- ALL CONNECTIONS SHALL BE MITERED, FULL BUTT WELDED AND GROUND SMOOTH.
- RAILING SHALL BE SHOP INSPECTED BY CITY ENGINEER AFTER GALVANIZING.
- GALVANIZE AFTER FABRICATION PER SPEC. 3395, PROVIDE WEEP HOLES.
- RAILING, POSTS AND BASEPLATES TO BE PAINTED SEMI GLOSS BLACK AFTER GALVANIZING PER MN/DOT SPEC. 3392.
- ALL MATERIAL AND LABOR AS SHOWN AND ANY INCIDENTALS REQUIRED TO CONSTRUCT THE COMPLETED

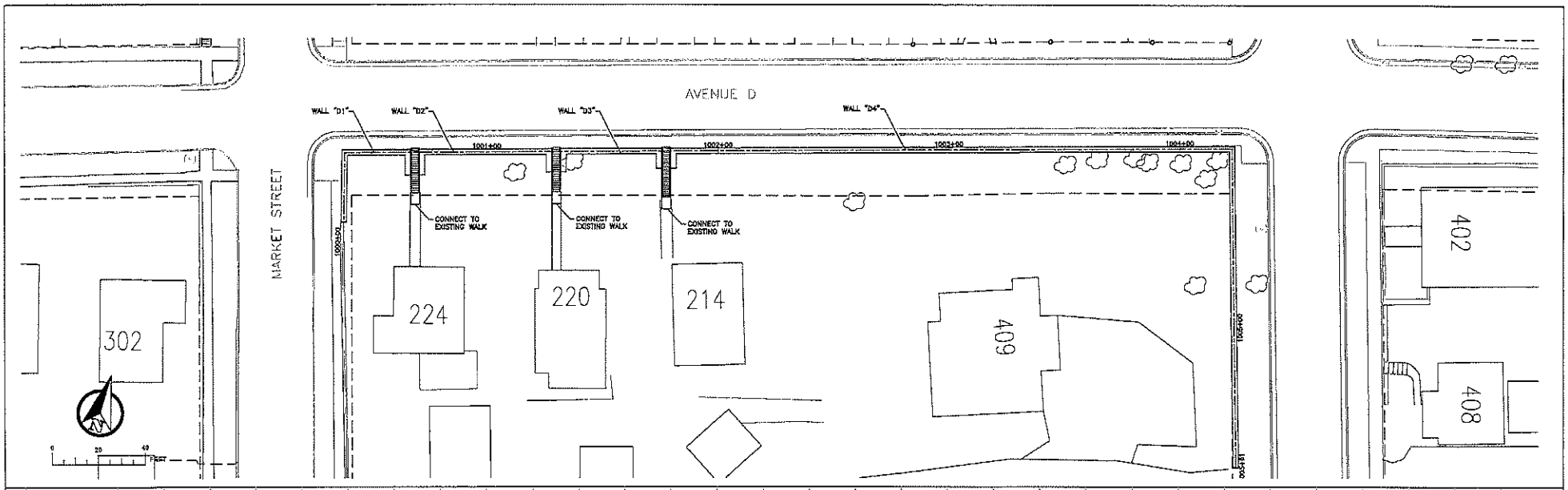
STRUCTURAL CONCRETE – STEPS
NO SCALE

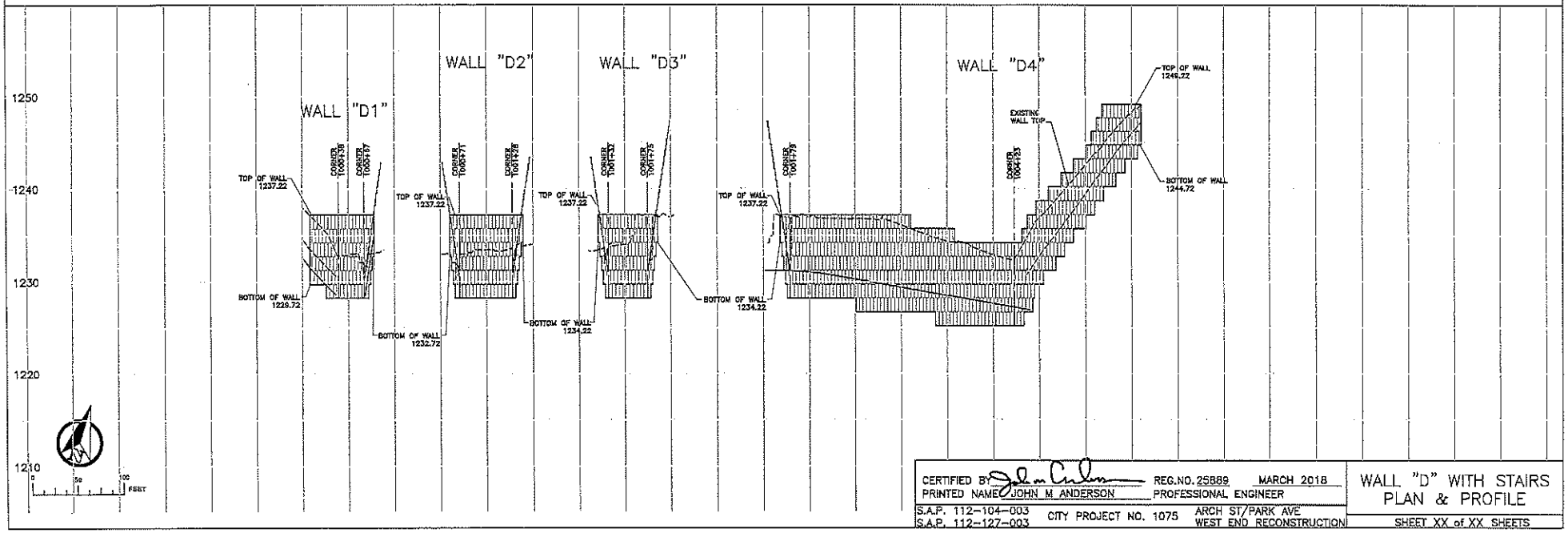
CERTIFIED BY _____ REG.NO. _____ 06/11/208
PRINTED NAME _____ PROFESSIONAL ENGINEER
S.A.P. 112–XXX–XXX CITY PROJECT NO. XXXX XXXXXXXXXXXXXXXXXXXX

06/11/2018
DATE
REG. NO.

AVE D STAIR DETAILS: STAIRS 1,2,3

STATE AID PROJECT 000–000–000 CP 000000 SHEET 0000 OF 0000 SHEETS





CERTIFIED BY _____ REG.NO. 25889 MARCH 2018
PRINTED NAME JOHN M ANDERSON PROFESSIONAL ENGINEER

S.A.P. 112-104-003
S.A.P. 112-127-003
CITY PROJECT NO. 1075
ARCH ST/PARK AVE WEST END RECONSTRUCTION

WALL "D" WITH STAIRS PLAN & PROFILE

SHEET XX of XX SHEETS

STATE AID FOR LOCAL TRANSPORTATION
CHANGE ORDER

SP 112 - 104 - 003	Minn. Proj. No.	**CO No.**	**01A**
Project Location **Arch Street / Park Avenue**			
Local Agency **City of Cloquet**		Local Project No. **1075**	
Contractor **George Bougalis and Sons Co.**		Contract No. **1075**	
Address/City/State/Zip **15th Avenue East Hibbing, MN 55746**			
Total Change Order Amount $	125,000		

In accordance with the terms of this Contract, you are hereby authorized and instructed to perform the work as altered by the following provisions:

The Engineer has determined that *the three (3) sets of concrete stairs to 214, 220, and 224 Avenue D* will be replaced with *three (3) new stairs and the new retaining wall will be modified to accommodate the stairways*. Payment will be made under item *Change order No.1 replace stairs – LUMP SUM This work is not on the State Aid system and will be paid by Local funds*

Estimate Of Cost: *(Include any increases or decreases in contract items, any negotiated or force account items.)*

**Group/Funding Category	Item No.	Description	Unit	Unit Price	+ or – Quantity	+ or – Amount $
	2360.501	Replace Stair	Lump Sum	$125,000	1	$ 0.00
					Net Change this Change Order	$125,000

***Group/Funding category is required for Federal Aid projects*

Approved by Project Engineer: _____ Date: _____

Print Name: _____ Phone: _____

Approved by Contractor: _____ Date: _____

Print Name: _____ Phone: _____

Distribution: Project Engineer (Original), Contractor (copy), DSAE (copy for funding review)

DSAE Portion: The State of Minnesota is not a participant in this contract. Signature by the District State Aid Engineer is for FUNDING PURPOSES ONLY and for compliance with State and Federal Aid Rules/Policy. Eligibility does not guarantee funds will be available.

This work is eligible for: ___ Federal Funding ___ State Aid Funding ___ Local funds

District State Aid Engineer: _____ Date: _____

STATE AID FOR LOCAL TRANSPORTATION
CHANGE ORDER

SP 112 - 104 - 003	Minn. Proj. No.	**CO No.**	**01B**
Project Location **Arch Street / Park Avenue**			
Local Agency **City of Cloquet**		Local Project No. **1075**	
Contractor **George Bougalis and Sons Co.**		Contract No. **1075**	
Address/City/State/Zip **15th Avenue East Hibbing, MN 55746**			
Total Change Order Amount $	60,000		

In accordance with the terms of this Contract, you are hereby authorized and instructed to perform the work as altered by the following provisions:

The Engineer has determined that *the three (3) sets of concrete stairs to 214, 220, and 224 Avenue D* will be replaced with *one (1) new stair, connecting sidewalk and the new retaining wall will be modified to accommodate the stairways*. Payment will be made under item *Change order No.1 replace stairs – LUMP SUM This work is not on the State Aid system and will be paid by Local funds*

Estimate Of Cost: *(Include any increases or decreases in contract items, any negotiated or force account items.)*

**Group/Funding Category	Item No.	Description	Unit	Unit Price	+ or – Quantity	+ or – Amount $
	2360.501	Replace Stair	Lump Sum	$60,000	1	$ 0.00
					Net Change this Change Order	$60,000

***Group/Funding category is required for Federal Aid projects*

Approved by Project Engineer: _____ Date: _____

Print Name: _____ Phone: _____

Approved by Contractor: _____ Date: _____

Print Name: _____ Phone: _____

Distribution: Project Engineer (Original), Contractor (copy), DSAE (copy for funding review)

DSAE Portion: The State of Minnesota is not a participant in this contract. Signature by the District State Aid Engineer is for FUNDING PURPOSES ONLY and for compliance with State and Federal Aid Rules/Policy. Eligibility does not guarantee funds will be available.

This work is eligible for: ___ Federal Funding ___ State Aid Funding ___ Local funds

District State Aid Engineer: _____ Date: _____

CLOQUET

DEPARTMENT OF PUBLIC WORKS

1307 Cloquet Avenue; Cloquet, MN 55720
Phone: (218) 879-6758 Fax: (218) 879-6555
Street - Water - Sewer – Engineering - Park
www.ci.cloquet.mn.us

REQUEST FOR COUNCIL ACTION

To:	City Council
From:	John Anderson, Assistant City Engineer
Reviewed By:	Aaron Reeves, City Administrator
Date:	August 8, 2018

ITEM DESCRIPTION: Dunlap Island / Broadway Street Change Order No. 3

Proposed Action
Staff recommends that the City Council move to approve Change Order No. 3 to City Contract 1070.

Background
Work is wrapping up at Dunlap Island and Broadway Street under City Contract 1070. Once authorized, the cost of work is typically determined using a unit price submitted by the lowest responsible bidder for each work item in a contract. Sometimes, during the course of construction, unforeseen conditions arise which force us to alter the scope of work. When a unit price for the extra work is not included in the original contract, staff must negotiate a price with the contractor amending the original contract. The recommended changes are then brought to Council for authorization to amend the contract in the form of a change order.

Change Order No. 3 involves the following items:

1. Playground drain tile and edger - $22,067.00
2. Statue lighting - $6,593.40
3. Concrete joint sealing - $13,500.00
4. Modify Monument Sign Base - $3,975.00

Change Order #3 - Net increase in cost: $46,135.40

A complete listing of changes made to the contract and the need for these changes is included in the Change Order No. 3 document attached. SEH has reviewed this change order and found it to be necessary and reasonable.

The Contractor expects to pave and stripe the parking lot at the park in early August this is the last major construction item left to complete in the project.

Policy Objectives
N/A

Financial/Budget/Grant Considerations

The original contract price for this project was $2,866,100 and the total of Change Orders 1, 2 and 3 will increase this amount by $16,503.86.

Original Contract	$2,866,100.00
Change Order No. 1	- $ 33,824.00
Change Order No. 2	+$ 4,192.46
Change Order No. 3	+$ 46,135.40
Total	+$2,902,603,86

Work on all contracts completed on the Dunlap / Broadway project through June of 2018 totals $3,343,951. We project there will be an additional $300,000 charged to this project through close out putting the final cost at roughly $3,652,000. The project budget is $4,128,000 making the estimated completion of project to be $476,000 or 11.5% under budget.

Advisory Committee/Commission Action

N/A

Supporting Documentation Attached

- Change Order #3

SEH

Building a Better World for All of Us®

CHANGE ORDER

City of Cloquet	June 18, 2018
OWNER	*DATE*
	3
OWNER'S PROJECT NO.	*CHANGE ORDER NO.*
Dunlap Island & Broadway Street	CLOQU 139201 71.50
PROJECT DESCRIPTION	*SEH FILE NO.*

The following changes shall be made to the contract documents:

Description:
See Attachment 1

Purpose of Change Order:
See Attachment 1

Basis of Cost: ☒ *Actual* ☐ *Estimated*

Attachments (list supporting documents)
See attachements for cost breakdown of each item listed above.

Contract Status	*Time*	*Cost*
Original Contract	Nov. 1, 2017 (SC)	$2,886,100.00
Net Change Prior C.O.'s 1 to 2	None	($29,631.54)
Change this C.O.	None	$46,135.40
Revised Contract	Nov. 1, 2017 (SC)	$2,902,603.86

Recommended for Approval: ***Short Elliott Hendrickson Inc.*** *by* _____
Dan Hinzmann, PE

Agreed to by Contractor: *Approved for Owner:*

BY Ulland Brothers Inc.	*BY City of Cloquet*
TITLE	*TITLE*

Distribution *Contractor 2* *Owner 1* *Project Representative 1* *SEH Office 1*

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Dunlap Island and Broadway Street
Change Order No. 3
Attachment 1

Description:

1. Base Bid: Add item No. 137 - Playground Drain Tile and Block Edger at a Lump Sum unit price of $22,067.00. Contract Change: $22,067.00 addition.
2. Base Bid: Add item No. 138 - Statue Lighting at a Lump Sum unit price of $6,593.40. Contract Change: $6,593.40 addition.
3. Base Bid: Add item No. 139 - Concrete Joint Sealing at a Lump Sum unit price of $13,500.00. Contract Change: $13,500.00 addition.
4. Base Bid: Add item No. 140 - Modify Monument Sign Base at a Lump Sum unit price of $3,975.00. Contract Change: $3,975.00 addition.

Purpose of Change Order:

1. Upon review of site conditions during construction, infiltration was much less than was anticipated based on the data available. Therefore, drain tile was added to prevent ponding in the mulch areas of the playground. Additionally, a landscape stone edger was added to prevent migration of mulch into the grass area and to allow a clear edge for mowing and maintenance purposes.

2. Statue Lighting was added to illuminate the Voyageur Statue. Previously, the statue had been located on the east side of Hwy 33 in the park. During construction, the statue was refurbished and the current location, by the boat landing, was chosen after the project had been awarded. To minimize overall costs including roadway excavation, the electrical conduit was bored under the parking lot instead of employing the open trench method.

3. During the first winter of operation, it was noted by maintenance staff that flooding operations and ice maintenance were challenging at times due to water infiltrating between concrete joints. Therefore, it was determined that it would be beneficial to the operation of the skating ribbon to seal all of the joints. Additionally, it was noted in the spring of 2018 that some of the joints exhibited additional separation along the area which may have been related to the excess moisture introduced through the joints. It is anticipated that this treatment will extend the usable life of the skating ribbon by reducing infiltration to the subgrade soils.

4. During the installation of the bases for the monument signage within the project, rubble and debris were discovered in the project area which was not evident from the data available within the geotechnical report. For this reason, the base design of the signs was modified to account for a shallower footing depth that allowed for excavation using typical means and methods.