

# **Council Agenda**

August 8, 2016 6:30 p.m.  
Council Chamber

## PRAYER AND PLEDGE OF ALLEGIANCE:

## ROLL CALL:

## ANNOUNCEMENTS:

1. Proclamation presented to the African Cultural Festival Committee declaring August 12 – 14, 2016 as “Saginaw African Cultural Festival Weekend.”

## PUBLIC HEARINGS:

## PERSONAL APPEARANCES:

(A list will be provided following submittal deadline.)

## REMARKS OF COUNCIL:

## REPORTS FROM MANAGER:

### Management Update:

## CONSENT AGENDA:

1. Approve the July 25, 2016 regular council meeting minutes.
2. Approve a FY 2017 budget adjustment to recognize funds received from the FEMA AFG Extrication Equipment Grant. Further, approve a purchase order to Apollo Fire Equipment, a sole source, for \$48,700 for two sets of Hurst battery powered extrication tools for the Fire Department.
3. Approve a blanket purchase order to Kay Communications, a sole source, for \$10,000 for in-car camera repairs and replacements for Police Department patrol vehicles.
4. Approve ratification of emergency purchase order no. 499528 and payment to Martin Chevrolet for \$3,484.16 for repairs to Police K9 Tahoe No. 90-1151.
5. Approve a purchase order to AIS Construction Equipment for \$10,083 for a Bil-Jax ET-7000 Drop-deck Tandem axle trailer for the Maintenance and Service Division.
6. Approve a purchase order to Rodney Woods Builder for \$120,000 for the annual supply of Class II Sand for the Maintenance and Services Division for FY 2017; and pending approval of the FY 2018 budget, accept the bid from Rodney Woods Builder for \$125,000 for the annual supply of Class II Sand for FY 2018.

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7. Approve a purchase order to Ace Cutting Equipment & Supply, Inc. for \$16,582.88 for two Minnich A-1-30" Concrete Air Drills and accessories for the Right of Way Streets Division and Maintenance and Service Division.
8. Approve a purchase order to Etna Supply, a sole source, for \$34,170 for 456 Sensus replacement water meters for the Maintenance and Service Division.
9. Approve the contract agreement and purchase order to R.C. Hendrick & Sons, Inc. for \$899,000 for the Water Treatment Plant Building Repairs, Parking Lot Replacement and Booster Pump Station Building Repairs Contract, C-1632.

## REPORTS FROM BOARDS AND COMMISSIONS AND COMMITTEES AND APPOINTMENT OF BOARD AND COMMISSION MEMBERS:

### INTRODUCTION OF ORDINANCES:

### CONSIDERATION AND PASSING OF ORDINANCES:

### RESOLUTIONS:

### UNFINISHED BUSINESS:

### MOTIONS AND MISCELLANEOUS BUSINESS:

1. Motion to go into closed session for consideration of Freedom of Information Act Appeal.

### ADJOURN:

Timothy Morales  
City Manager

IF YOU ARE DISABLED AND NEED ACCOMMODATION TO PROVIDE YOU WITH AN OPPORTUNITY TO PARTICIPATE OR OBSERVE IN PROGRAMS, SERVICES, OR ACTIVITIES, PLEASE CALL THE SAGINAW CITY CLERK, 1315 S. WASHINGTON AVE., 989.759.1480.

# CITY OF SAGINAW PROCLAMATION

**WHEREAS**, The 48th Annual Saginaw African Cultural Festival will be held August 12 – 14, 2016 at Morley Park located at 2601 Lapeer in the City of Saginaw; and

**WHEREAS**, Art is a recognized medium for transmitting cultural values and knowledge to bridge the gap between diverse ethnic groups; and

**WHEREAS**, This unique festival continues a tradition of 48 years of fostering artistic and cultural exchange through the media of creative expression; and

**WHEREAS**, This cultural exchange is a key element in breaking down stereotypes and bringing the City's various populations together; and

**WHEREAS**, The Saginaw African Cultural Festival is a collaboration between a grassroots cultural organization, the City of Saginaw, community agencies, social organizations, and hundreds of dedicated volunteers; and

**WHEREAS**, The Saginaw African Cultural Festival has served the city for 48 years to claim the title of the longest on-going black arts festival in the nation; and

**WHEREAS**, The Festival offers a heightened cultural consciousness and social awareness through guest speakers, entertainers, artists, exhibits, contests, and educational workshops; now

**THEREFORE**, I, Dennis D. Browning, Mayor of the City of Saginaw, hereby proclaim August 12– 14, 2016, as

## **“SAGINAW AFRICAN CULTURAL FESTIVAL WEEKEND”**

in the City of Saginaw and urge all citizens of Saginaw to attend the 48<sup>th</sup> Annual Saginaw African Cultural Festival and join me in saluting the members of the Saginaw Black Cultural Alliance and the Saginaw African Cultural Festival Committee for their contributions in making this outstanding festival a local institution and an integral part of the history and culture of Saginaw.

**IN WITNESS WHEREOF**, I have hereunto set my hand and caused the seal of the City of Saginaw to be affixed this 8<sup>th</sup> day of August in the year of our Lord two thousand sixteen.



**August 8, 2016**

**Dennis D. Browning, Mayor**

### ***Councilpersons***

*Floyd Kloc, Mayor Pro Tem  
Michael D. Balls, Annie Boensch,  
Clint Bryant, Daniel Fitzpatrick, Brenda F. Moore  
and Demond L. Tibbs*

**Timothy Morales, City Manager**

A REGULAR MEETING OF THE COUNCIL OF THE CITY OF SAGINAW, MICHIGAN, HELD MONDAY, JULY 25, 2016, AT 6:30 P.M. IN THE COUNCIL CHAMBER AT CITY HALL, 1315 SOUTH WASHINGTON AVENUE, SAGINAW, MICHIGAN.

#### PRAYER AND PLEDGE OF ALLEGIANCE

Mayor Browning offered prayer and led the pledge of allegiance of the United States of America.

#### ROLL CALL

Mayor Browning called the meeting to order. Council Members present: Demond Tibbs, Annie Boensch, Mayor Pro Tem Floyd Kloc, Brenda Moore, Michael Balls, Clint Bryant, and Mayor Dennis Browning: 7. Council Members absent: Dan Fitzpatrick, and Larry Coulouris: 2.

#### ANNOUNCEMENTS

City Clerk Janet Santos announced the following:

- that applications for absentee ballots are available during regular business hours at the City Clerk's Office and that the Clerk's Office will be open Saturday, July 30 from 9:00 am to 2:00 p.m. for absentee ballot requests only.
- that political signs are not allowed in the Public ROW and may be removed without notice.
- that a resolution regarding ballot proposals will be considered during the Motions & Miscellaneous section of the agenda.
- read a resignation letter from Council Member Larry Coulouris.

*Council Member Fitzpatrick entered the meeting at 6:42 p.m.*

#### PERSONAL APPEARANCES

The following personal appearances addressed City Council: Errol Burton, Abraham Allen, David Ortega, and Debbie Melkonian.

#### REMARKS OF COUNCIL

Remarks were heard from the following Council Members: Tibbs, Fitzpatrick, Bryant, Balls, Moore, Mayor Pro Tem Kloc, Boensch, and Mayor Browning.

#### REPORTS FROM CITY MANAGER

City Manager Tim Morales provided informational updates on meetings and departmental projects. Manager Morales expressed appreciation to staff and the community for their planning and participation in the Sister City visit with representatives from Tokushima Japan.

#### CONSENT AGENDA:

1. Approve the July 11, 2016 regular council meeting minutes.
2. Approve the amendments to the FY 2017 Approved Budget to recognize any changes that have occurred during the July period.
3. Approve the HOME Grant Agreement from the Department of Housing and Urban Development for FY 2017 for the HOME Investment Partnership Program for \$320,079.

4. Approve the HOME Sub-recipient Contracts for FY 2017 for operating expenses and various rehabilitation activities in the amount of \$320,079.
5. Approve the Emergency Solutions Grant Agreement from the Department of Housing and Urban Development for FY 2017 in the amount of \$183,056.
6. Approve the Emergency Solutions Grant Sub-recipient Contracts for FY 2017 to five organizations providing shelters and transitional housing for the homeless in the amount of \$187,803.15, which includes \$4,747.15 of prior year funds.
7. Approve the Community Development Block Grant Agreement from the Department of Housing and Urban Development for FY 2017 for \$1,987,374, which includes prior year funds.
8. Approve the Community Development Block Grant Sub-recipient Contracts and Memorandums of Understanding for FY 2017 with various organizations for housing, economic development, public improvements, and public service activities in the amount of \$2,396,562.
9. Approve a purchase order to Dossier Systems, Inc. for \$2,865 Dossier Customer Management software for the Garage Division.
10. Approve a purchase order to Dossier Systems, Inc. for \$4,400 for onsite training of Dossier Fleet Management Software for the Municipal Garage and Technical Services staff.
11. Approve a purchase order to Bentley Systems, Inc. for \$6,374 for the annual renewal of Water GEMS hydraulic water modeling software for the Water Treatment and Maintenance and Service Division.
12. Approve a purchase order to Michigan Cat for \$11,812.32 for a 2016 LeeBoy L250 Tack Coat Distributor for the Maintenance and Service Division
13. Approve ratification of emergency purchase order no. 499366, and payment to Engel's Auto Body for \$7,090.06 for repairs to Police Patrol Impala No. 90-1162.
14. Approve the Resolution authorizing the use of amplifying equipment during the "Pop the Polls" event on Hamilton Street on August 21, 2016.
15. Approve a purchase order to Inficon for \$51,809 for a CMS5000 Gas Chromatograph Spectrophotometer for use at the Water Treatment Division.

Moved by Council Member Bryant, seconded by Council Member Fitzpatrick to approve consent agenda items 1 through 7, and 9 through 15, as presented. 8 ayes, 0 nays, 1 absent. Motion approved.

Moved by Council Member Moore, seconded by Mayor Pro Tem Kloc to approve consent agenda item 8 as presented. 8 ayes, 0 nays, 1 absent. Motion approved.

REPORTS FROM BOARDS; COMMISSIONS AND COMMITTEES, AND  
APPOINTMENT OF BOARD AND COMMISSION MEMBERS

Acknowledged the Mayoral reappointment of Larry Campbell to the Saginaw Housing Commission with a term to expire September 30, 2021.

MOTIONS AND MISCELLANEOUS BUSINESS

Moved by Mayor Pro Tem Kloc, seconded by Council Member Boensch to adopt the resolution approving ballot proposal language for the November 8, 2016 General Election. 8 ayes, 0 nays, 1 absent. Motion approved.

ADJOURNMENT

Moved by Mayor Pro Tem Kloc, seconded by Council Member Bryant to adjourn the meeting at 7:43 p.m. 8 ayes, 0 nays, 1 absent. Motion approved.

Janet Santos, CMMC/CMC/MMC  
City Clerk

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**From:** Timothy Morales, City Manager

**Subject:** Budget Adjustment – FEMA AFG Extrication Equipment Grant and Purchase of Extrication Tools

**Prepared by:** Christopher Van Loo, Fire Chief

**Manager’s Recommendation:**

It is recommended that a budget adjustment be completed to increase the General Fund Revenue’s FEMA Account No (101-0000-501.012) from \$0 to \$44,273. This increase in revenues is to recognize the FEMA AFG Extrication Equipment Grant that was received in June 2016. To offset this increase in revenues the Community Public Safety – Fire, Fire Operations Division’s Parts and Supplies Account No (101-3551-742.000) will be increased by the same.

I further recommend acceptance of the sole bid and issuance of a purchase order to Apollo Fire Equipment in the amount of \$48,700 for the purchase of two (2) sets of Hurst battery powered extrication tools.

**Justification:**

On June 3, 2016, the City of Saginaw Fire Department was notified that our application was approved for FEMA AFG Extrication Equipment. The grant was approved for up to \$64,000 to fund two (2) sets of battery powered extrication tools: each set including a cutter unit, a spreader unit, a ram unit, and 2 batteries per tool. The Saginaw Fire Department conducted an evaluation of three (3) different manufacturers’ tools and determined that the tools manufactured by the Hurst company best fit our needs. A request for proposal #P1404-16 was issued and one bid was received from Apollo Fire Equipment for \$48,700. The grant is a one year grant with a 10% matching requirement. The Federal grant share for this purchase is \$44,273 and the City’s share (10%) is \$4,427. The grant was accepted by City Council on June 20, 2016.

This vendor meets all requirements of §14.23, “Vendors,” of “Purchasing, Contracting, and Selling Procedure,” of Chapter 14, “Finance and Purchasing,” of Title I, “General Provisions” of the Saginaw Code of Ordinances O-1.

Funds are available in the Community Public Safety Fire – Fire Operations Division’s Parts and Supplies Account No (101-3551-742.000).

**Council Action:**

Moved by Council Member \_\_\_\_\_, seconded by Council Member \_\_\_\_\_ to approve the recommendation from the City Manager.



**From:** Tim Morales, City Manager  
**Subject:** In-Car Camera Repairs & Replacements  
**Prepared by:** Sienna Rendon, Community Public Safety – Police

**Manager’s Recommendation:**

It is recommended that a blanket purchase order be issued to Kay Communications of Saginaw, MI, a sole source provider, in the amount of \$10,000 for in-car camera repairs and replacements for Saginaw Police Department patrol vehicles for fiscal year 2017.

**Justification:**

The SPD patrol vehicles are equipped with in-car cameras that need service and repair, oftentimes unexpectedly. These cameras are a vital component of our officers’ policing efforts and it is important that they are in working order and down time is limited when being serviced. The cameras that are currently in use are approximately six years old and require regular maintenance.

This vendor meets all requirements of §14.23, “Vendors,” of “Purchasing, Contracting, and Selling Procedure,” of Chapter 14, “Finance and Purchasing,” of Title I, “General Provisions” of the Saginaw Code of Ordinances O-1.

Funds for this purchase are available in the Drug Forfeiture Fund’s Repairs & Replacements Account No. 264-3040-974.000.

**Council Action:**

Moved by Council Member \_\_\_\_\_, seconded by Council Member \_\_\_\_\_ to approve the recommendation from the City Manager.

**From:** Timothy Morales, City Manager  
**Subject:** Ratification of Emergency Purchase - Police Vehicle Engine Repair  
**Prepared by:** Don Riley, Public Services Department

**Manager's Recommendation:**

I recommend ratification for emergency purchase order No. 499528 that was issued to Martin Chevrolet, Saginaw, Michigan, on July 25, 2016, and that payment in the amount of \$3,484.16 be made to them for repairs to Police K9 Tahoe No. 90-1151.

**Justification:**

On July 21, 2016, Police K9 Tahoe No. 90-1151, a 2010 Chevrolet Tahoe with 67,094 miles had developed a misfire and was diagnosed as requiring the replacement of a camshaft and lifters for the repair. As a K9 unit, this is a specialty police public safety vehicle and must be maintained for daily use and emergency response availability. These repairs were necessary in order to maintain the vehicle in a safe and operable condition. The labor time for this repair is based on Mitchell International Inc. flat rate calculations, and the vender has afforded to the City of Saginaw a 25% discount off of their standard \$100.32 labor rate reducing it to \$75.00 per hour for this repair. This vehicle was taken to Martin Chevrolet for diagnosis based on a history of quality repairs and service, and our experience with this vender has shown that we can get this vehicle back in service more quickly by having this repair completed there.

Martin Chevrolet meets all requirements of §14.23, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "General Provisions" of the Saginaw Code of Ordinances O-1.

Funds for this project are budgeted and available in the FY 2017 Water Operations and Maintenance Fund, Surplus Division's Constructions Projects Account No. 591-4740-822.000 (\$899,000.00).

**Council Action:**

Moved by Council Member \_\_\_\_\_, seconded by Council Member \_\_\_\_\_ to approve the recommendation from the City Manager.

**From:** Timothy Morales, City Manager  
**Subject:** Purchase of Drop–Deck Tandem Axle Trailer  
**Prepared by:** Josh Hoffman, Public Services Department

**Manager’s Recommendation:**

I recommend a purchase order be approved and issued to AIS Construction Equipment, Bridgeport, MI, at the State bid price (MI-DEAL), in the amount of \$10,083.00 for the purchase of a Bil-Jax ET-7000 Drop-deck Tandem axle trailer for the Maintenance and Service Division.

**Justification:**

The Maintenance and Service Division repairs hundreds of water & sewer - street patches annually. The repairs require the use of specialty equipment including a walk behind concrete saw as well as a concrete drill pinning machine. A drop-deck trailer is considered necessary for the safe transport, loading and unloading of this equipment.

AIS Construction Equipment meets all requirements of §14.23, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "General Provisions" of the Saginaw Code of Ordinances O-1.

Funds for this purchase are budgeted in the Water Operation and Maintenance Fund - Surplus Division’s, Maintenance Equipment Account No. 591-4740-978.000 in the amount of \$5,041.50 and budgeted in the Sewer Operation and Maintenance Fund - Surplus Division’s, Maintenance Equipment Account No. 590-4840-978.000 in the amount of \$5,041.50.

**Council Action:**

Moved by Council Member \_\_\_\_\_, seconded by Council Member \_\_\_\_\_ to approve the recommendation from the City Manager.

**From:** Timothy Morales, City Manager  
**Subject:** Annual Purchase Order for Class II Backfill Sand  
Maintenance & Service Division

**Prepared by:** Josh Hoffman, Public Services Department

**Manager's Recommendation:**

I recommend the low bid be accepted and that a purchase order be issued to Rodney Woods Builder, Saginaw, MI, in the amount of \$120,000, for the annual supply of Class II Sand for fiscal year 2017. I further recommend the bid be accepted from Rodney Woods Builder in the amount of \$125,000 pending the approval of the fiscal year 2018 budget, for the annual supply of Class II Sand for the Maintenance and Services Division.

**Justification:**

On July 19, 2016, two-year bids were received for an annual supply of Class II Sand (20,000 tons) used by Maintenance and Service Division to backfill streets and restore grass areas disturbed by water or sewer excavations. Two (2) vendors submitted bids with Rodney Woods Builders being awarded the Class II back fill sand for the combined two year low bid. A cost comparison shows an overall 0.4% decrease for FY17 & 18 combined for Class II sand from the previous year.

The following is a tabulation of the bids received:

<u>Vendor</u>	<u>First Year</u>	<u>Second Year</u>
Rodney Woods Builder Saginaw, MI (out city)	\$120,000 (- 4.4% decrease from FY16 )	\$125,000 (+4.0% increase from FY17 )
Doc Heinz Contracting Saginaw, MI (out city)	\$123,800	\$123,400

Rodney Woods Builder meets all requirements of §14.23, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "General Provisions" of the Saginaw Code of Ordinances 0-1.

Funds for these purchases pending approval will be budgeted in the Water Operation and Maintenance Fund – Maintenance and Service Division's Parts and Supplies Account No. 591-4721-742.000 (\$60,000.00), and Sewer Operation and Maintenance Fund – Maintenance and Service Division's Parts and Supplies Account No. 590-4821-742.000 (\$60,000.00) for FY 2017, and will be budgeted in the Water Operation and Maintenance Fund – Maintenance and Service Division's Parts and Supplies

Account No. 591-4721-742.000 (\$62,500.00), and Sewer Operation and Maintenance Fund – Maintenance and Service Division's Parts and Supplies Account No. 590-4821-742.000 (\$62,500.00) pending approval for fiscal year 2018 budget.

**Council Action**

Moved by Council Member \_\_\_\_\_, seconded by Council Member \_\_\_\_\_ to approve the recommendation from the City Manager.

**From:** Timothy Morales, City Manager  
**Subject:** 2 - Minnich A-1-30" Concrete Air Drills & Accessories  
**Prepared by:** Beth D. London, Public Services Department

**Manager's Recommendation:**

I recommend that the sole source quote be accepted and a purchase order be issued to Ace Cutting Equipment & Supply, Inc., Novi, MI in the amount of \$16,582.88 for the purchase of 2 Minnich A-1-30" Concrete Air Drills and accessories for the Right of Way Streets Division and Maintenance and Service Division.

**Justification:**

On July 21, 2016, the Right of Way Streets Division received a sole source quote for the purchase of two Minnich A-1-30" Concrete Air Drills and accessories from Ace Cutting Equipment & Supply, Inc. Ace Cutting Equipment & Supply, Inc. is a sole source and the only franchise supplier of Minnich equipment in the State of Michigan. This quotation includes two (2) drills, each with six (6) bits of varying sizes. Both the Right of Way Streets Division and the Maintenance and Service Division are completing considerable street repairs and patches due to potholes, deteriorating infrastructure, and permanent patches required after water and sewer repairs.

On May 23, 2016, Council approved the purchase of this same initial equipment and accessories for use in the Maintenance and Service Division to complete road patches. The equipment has been under constant use and additional equipment is required for the Right of Way Streets Division and the Maintenance and Service Division to productively complete this repair work. Purchase of this equipment will enable both divisions to ensure timely repairs to concrete paved streets including any backlogged repairs.

Ace Cutting Equipment & Supply, Inc. meets all requirements of § 14.23, "Vendors," of Purchasing, Contracting, and Selling Procedures," of Chapter 14, "Finance and Purchasing," of Title I, "General Provisions" of the Saginaw Code of Ordinances 0-1.

Funds for this purchase are available in the Major Street Fund - Routine Maintenance Division's, Maintenance Equipment Account No. 202-4651-978.000 in the amount of \$8,291.44, Water Operation and Maintenance Fund - Surplus Division's, Maintenance Equipment Account No. 591-4740-978.000 in the amount of \$4,145.72 and the Sewer Operation and Maintenance Fund - Surplus Division's, Maintenance Equipment Account No. 590-4840-978.000 in the amount of \$4,145.72.

**Council Action:**

Moved by Council Member \_\_\_\_\_, seconded by Council Member \_\_\_\_\_ to approve the recommendation from the City Manager.

**From:** Tim Morales, City Manager  
**Subject:** Replacement Water Meters – Maintenance & Service Division  
**Prepared By:** Josh Hoffman, Public Services Department

**Manager’s Recommendation:**

I recommend that the sole source quote be accepted and a purchase order be issued to Etna Supply, Grand Rapids, MI, in the amount of \$34,170.00 for the purchase of 456 Sensus replacement water meters for the Maintenance and Service Division.

**Justification:**

On July 27, 2016, The Maintenance & Service Division received a sole source quote from ETNA Supply Company for various replacement Sensus water meters (pit and non-pit style water meters in 5/8” and 3/4” meter applications.) ETNA Supply Company is the only franchise supplier of Sensus water meters in the State of Michigan. Sensus water meters are the most compatible meter with the City’s Automated Meter Reading System (AMR) for ease and cost of installation. A cost comparison shows no price increase from FY16.

<u>Quantity</u>	<u>Description</u>	<u>Cost</u>
300 x \$68.00 ea.	5/8” x 3/4” Accustreams, ECR	\$ 20,400
150 x \$85.00 ea.	5/8” Pit Type Accustreams	\$ 12,750
6 x \$170.00 ea.	3/4” Pit Type Accustreams	\$ 1,020

Etna Supply meets all requirements of §14.23, “Vendors,” of “Purchasing, Contracting, and Selling Procedure,” of Chapter 14, “Finance and Purchasing,” of Title I, “General Provisions” of the Saginaw Code of Ordinances O-1.

Funds for this purchase are budgeted in the Sewer Operation and Maintenance Fund – Maintenance & Services Division’s, Meter Repairs and Replacement Account No. 590-4820-974.000 (\$17,085), and the Water Operation and Maintenance Fund – Maintenance and Service Division’s Meter Repairs and Replacement Account No. 591-4720-974.000 (\$17,085) for Fiscal Year 2017.

**Council Action:**

Moved by Council Member \_\_\_\_\_, seconded by Council Member \_\_\_\_\_ to approve the recommendation from the City Manager.

**From:** Timothy Morales, City Manager  
**Subject:** Contract w/R.C. Hendrick & Sons (C-1632)  
**Prepared by:** Paul Reinsch, Water & Wastewater

**Manager's Recommendation:**

I recommend that the low bid from R.C. Hendrick & Sons, Inc., Saginaw, Michigan, for the Water Treatment Plant (WTP) Building Repairs, Parking Lot Replacement and Booster Pump Station Building Repairs Contract, C-1632, be accepted and a contract awarded to them in the amount of \$899,000.00. The contract has been approved by me as to substance and the City Attorney as to form.

**Justification:**

This project is a compilation of needed repair work. The work includes repair and restoration of building masonry at the Water Treatment Plant (WTP) and two Booster Stations, repairs to the pump bases for high service pumps number 7 and 8 at the WTP, and parking lot repairs needed in the courtyard at the WTP.

At the WTP, there has been water infiltration noted into the building interior as well as deterioration of brick and stonework observed particularly in the area of the facility tower. Spicer Group conducted a thorough study and evaluation of the deteriorated areas. It was determined that as a result of previous repair work, there were areas where the type of brick, grout and sealant used was different from the original design. The original grout (1920's vintage) was a soft grout that was expandable and breathable. This allowed the building to expand and contract with moisture and temperature change without the use of expansion joints or weep drains. The physical inspection revealed the area above the base of the turrets and perimeter parapet cap where joint sealants were used and the masonry was rebuilt using non original brick and mortar is in poor condition and requires significant restoration. During the previous restoration project it was believed that the deterioration, at that time, in this portion of the tower, was due to external moisture infiltration only. However, there is a tank that is open to the air inside of the tower. The moisture inside is trapped and is migrating outward, into the wall. The trapped moisture is causing freeze thaw damage to the masonry. In addition the tower windows were observed to be rusting and in need of repair.

Spicer Group's evaluation also included the parapet walls at the Booster Stations located on Wadsworth Rd. and Dixie Highway. Treatment Plant Staff noticed what appeared to be significant movement of the parapet walls at both of these stations. It was determined that ice pressure on the precast plank system walls was causing the movement. The ice could come from external moisture from ice dam formation at roof eaves or internal moisture from entry at base of parapets near ends of the planks.



Shortly after conducting the study on the masonry, two high service pump bases at the WTP began to show signs of significant deterioration. Upon further inspection, it was determined that the pump bases are deteriorating due to improper collection of water. The water comes from sweating on the pump casing and from pump seals. Absorption of that water into the base and subsequent corrosion (rust) of the metal contained within the base caused pressure in the grout and ultimately caused deterioration of both the grout and metal components of the base.

In addition to the masonry and pump base work, repair to a parking area around the water treatment plant was also needed. In the fall of 2014, a leak occurred in the Washington discharge line which is located in the courtyard parking area at the WTP. That repair work was completed by the summer of 2015. Compaction equipment was not allowed for the fill soils in this area because of the multiple water lines located in this area of the courtyard, so it was necessary to delay parking lot repairs for at least one year to allow for natural settling of the soils.

Consultant recommendations to address the issues above are as follows: 1) WTP masonry - revert the system to the original design so that proper moisture transfer can occur. In order to maintain the original appearance and taking into account the condition and quality of the original tower windows they are being removed, cleaned, powder coated, upgraded to thermal panes and reinstalled. 2) Reconstruction of roof drainage systems and repair of parapet walls at the Booster Stations. 3) The pump bases will be reconstructed and moisture collection systems upgraded. 4) Replace parking lot after natural settling has occurred.

In an effort to minimize staff time and the number of contractors and consultants on the property at any given time, staff decided that it would be best to bid out all of the repair and restoration work under one contract. On June 14, 2016, the City received bids for the WTP Building Repairs, Parking Lot Replacement and Booster Pump Station Building Repairs Contract. Following is a tabulation of the bids received:

R.C. Hendrick & Sons, Inc. Saginaw, MI (Out-City)	\$899,000.00
Tooles Contracting Group, LLC Detroit, MI	\$932,380.00
J.R. Heineman & Sons, Inc. Saginaw, MI (In-City)	\$1,064,268.00

R.C. Hendrick & Sons, Inc. meets all requirements of §14.23, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I "General Provisions" of the Saginaw Code of Ordinances O-1.

Funds for this project are budgeted and available in the FY 2017 Water Fund Surplus - Division's Constructions Projects Account No. 591-4740-822.000 (\$899,000.00).

**Council Action:**

Moved by Council Member \_\_\_\_\_, seconded by Council Member \_\_\_\_\_ to approve the recommendation from the City Manager.