

**PUBLIC WORKS AND SAFETY COMMITTEE**

Wednesday, March 2, 2016 – 4:15 p.m.

City Council Chambers

A g e n d a

1. [Award of Bid- Oak Park Bridge Replacement \(4032\)](#)
2. [Award of Bid- Skid Steer- Water and Sewer Department \(4186 & WS0042\)](#)
3. [Award of Bid- Truck and Hoist- Water Treatment Plant \(4187 & WS0039\)](#)
4. [Award of Bid- Utility Tractors with Loader- Water and Sewer Department \(4188 & WS0045\)](#)
5. [Award of Bid- 37<sup>th</sup> Ave SW Reconstruction \(4070\)](#)
6. [37th Ave SW Reconstruction Central Power Electric Coop Agreement \(4070\)](#)
7. [2016 Street Improvement District Project \(4164\)](#)
8. [2016 Street Seal District Project \(4165\)](#)
9. [2016 Sidewalk Curb and Gutter \(4166\)](#)
10. [2016 Street Patching Project \(4184\)](#)
11. [Award of Bid- 36th Ave NW Extension to Broadway \(4071\)](#)
12. [Minot Prairie Industrial Park 2nd Addition Developer Agreement \(4098\)](#)
13. [Award of Bid- Lease/Purchase of a New Motor Grader \(4182 & STR040\)](#)
14. [Handicapped Accessible Van Purchase \(4193, BUS016 & BUS021\)](#)
15. [Engineering Amendment- 55th Crossing Sanitary Sewer Lift Station \(3965\)](#)
16. [NAWS – BIOTA Plant at Max – SWC Cost Share Request](#)
17. [NAWS – Sundre Line Relocation – Design Engineering](#)
18. [Reject Bids- Fire Department Breathing Air Compressor/ Fill Station](#)
19. [Ordinances on Second Reading](#)
20. [Award of Bid- Police Investigation Vehicle](#)
21. [Recycling Discussion](#)

**PUBLIC WORKS AND SAFETY COMMITTEE**

March 2, 2016

Page 2

MEMO TO: Public Works and Safety Committee  
FROM: City Clerk's Office  
RE: Agenda for Wednesday, March 2, 2016, 4:15 p.m.

**1. Award of Bid- Oak Park Bridge Replacement (4032)**

On February 16, 2016 bids were opened for the Oak Park Bridge Replacement project. The project will remove and replace the existing structure just east of 16th St NW on 4th Ave NW. The old street lighting system will be removed and replaced as well. The City received three bids and the tabulation is as follows:

<b>Bidder</b>	<b>Bid</b>
Industrial Builders	1,665,690.50
Swingen Construction Co.	1,897,330.00
Wanzek Construction Inc.	1,707,040.50

**Fiscal Impact:** The lowest bid came from Industrial Builders Inc. at \$1,665,690.50, which is 3.5% above the engineer's estimate of \$1,609,998.26. This project will be funded with general obligation bonds. The street lighting funds have already been bonded for and will be spent this year.

It is recommended the Committee and Council accept the bid from Industrial Builders Inc. from Fargo, ND for the Oak Park Bridge Replacement and authorize the Mayor to sign the contract.

It is also recommended the Committee and Council adopt a resolution approving the use of general obligation bonds.

**2. Award of Bid- Skid Steer- Water and Sewer Department (4186 & WS0042)**

On Wednesday, February 10, 2016 bids were opened for a skid steer for the Water and Sewer Department. There were three bids received and they are as follows:

<b>Bidder Name</b>	<b>Make/Model</b>	<b>Base Bid</b>	<b>Trade-In</b>	<b>Bid Price</b>
Butler Machinery	Cat 262D	\$51,513	\$31,500	\$20,013
Swanston Equipment	Bobcat S650	\$39,557	\$33,000	\$6,557
Titan Machinery	Case SV280	\$56,400	\$35,000	\$21,400

**Fiscal Impact:** Funds for this are budgeted in the Water Distribution and Sewage Collection Capital Purchases account 140-0000-165.03-90.

It is recommended the Committee and Council award the bid to Swanston Equipment for the Bobcat S650 for the amount of \$39,557 plus the trade-in of a 2015 New Holland L225.

**3. Award of Bid- Truck and Hoist- Water Treatment Plant (4187 & WS0038)**

On Wednesday, February 10, 2016, bids were opened for a truck and hoist for the Water Treatment Plant. There was one bid received. The following is the tabulation:

<b>BIDDER</b>	<b>MAKE/MODEL</b>	<b>BID</b>
Westlie Truck Center	Freightliner M2-106 w/ Hoist	\$95,509

**PUBLIC WORKS AND SAFETY COMMITTEE**

March 2, 2016

Page 3

**Fiscal Impact:** The funds for this truck and dump body have been budgeted in the Capital Purchases (Water Supply & Treatment) account 140-0000-165.03-90 in the amount of \$95,000 with the additional \$509 coming from capital purchase for a vehicle (WS0037) that came in under budget.

It is recommended the Committee and Council award the bid to Westlie Truck Center for the Freightliner with hoist in the amount of \$95,509.

**4. Award of Bid- Utility Tractors with Loader- Water and Sewer Department (4188)**

On Wednesday, February 10, 2016, bids were opened for two utility tractors with a loader attachment for the Water and Sewer Department. There were three bids received and they are as follows:

<b>Bidder</b>	<b>Make/Model</b>	<b>Base Bid</b>	<b>Option #1</b>
Acme Tools	Kubota L4760HSTC	\$76,483.70	\$1,153.00
Gooseneck Implement	John Deere 4052R	\$76,446.58	\$1,255.87
Northern Plains Equipment	Case IH Farmall 55C CVT	\$72,440.00	\$750.00

**Fiscal Impact:** The funds for these tractors have been budgeted in the 2016 Capital Purchases Sewage Pumping and Treatment account 140-0000-165.03-90 in the amount of \$78,500.

It is recommended the Committee and Council award the bid to Northern Plains Equipment for the Case IH tractors with option #1 in the amount of \$73,190.

**5. Award of Bid- 37<sup>th</sup> Ave SW Reconstruction (4070)**

Due to the proposed construction of Trinity Hospital and various residential and commercial properties being built along the road, 37th Ave SW will need to be upgraded from a two lane rural to a five lane urban roadway.

On February 16, 2016, eight bids were received. The lowest bid came from Wagner Construction Inc. dba Wagner Place at \$6,656,496.55 which is 29.5% under the engineer's estimate of \$9,447,800. The engineer's estimate was based on bid prices used in last year's construction season. Staff is comfortable with this contractor and bid price received.

**Fiscal Impact:** This project will be funded with general obligation bonds

It is recommended the Committee and Council accept the bid from Wagner Construction Inc. dba Wagner Place from International Falls, MN for the 37<sup>th</sup> Ave SW Reconstruction and authorize the Mayor to sign the contract.

**6. 37<sup>th</sup> Ave SW Reconstruction Central Power Electric Coop Agreement (4070)**

Due to 37th Ave being reconstructed, the pole line owned by Central Power Electric Coop needs to be modified to avoid safety issues.

The pole line along the new corridor needs to be raised in some areas to avoid the clearance issues from ground to line. Also, because the intersection at 16th St is being widened, some of the pole structures need to be shifted to accommodate the work.

**Fiscal Impact:** The City will be invoiced for actual cost of the work not to exceed \$108,000. Funding for this agreement would come from general obligation bonds.

## PUBLIC WORKS AND SAFETY COMMITTEE

March 2, 2016

Page 4

It is recommended the Committee and Council approve the [agreement](#) with Central Power Electric Coop, authorize the Mayor to sign the agreement, and approve the use of general obligation bonds as needed.

### 7. 2016 Street Improvement District Project (4164)

This is the annual maintenance project to mill and overlay street sections showing moderate distress. The mill and overlay will improve drivability, safety, and increase the pavement life for approximately 8-10 years. This project contains 3 separate areas (units) around the City that will be improved. Attached is a map indicating the project areas for the 2016 construction season.

**Fiscal Impact:** The funding for this project will come from budgeted funds and remaining funds from last year's project that are in cash reserves. The Engineer's Estimate for this project is approximately \$1.38 million.

On Tuesday, March 1, 2016, bids will be opened for the 2016 Street Improvement District Project. Due to timing of the bid opening, a recommendation will not be ready in time for the February memo deadline. However, the department anticipates a recommendation will be available and placed on Council's desk for approval.

It is recommended the Committee and Council pass an [ordinance](#) amending the 2016 annual budget to increase the Street Improvement expenditures for the 2016 Street Improvement District.

### 8. 2016 Street Seal District Project (4165)

This is the annual maintenance project to seal the pavement surface and fill the cracks that have developed over time. This project helps protect the pavement surface for approximately five years. Attached is a map indicating the areas that will be sealed during the 2016 construction season.

**Fiscal Impact:** The funding for this project will come from budgeted funds and funds remaining from last year's project that are in cash reserves. The Engineer's Estimate for this project is approximately \$1.28 million.

On Tuesday, March 1, 2016, bids will be opened for the 2016 Street Seal District Project. Due to timing of the bid opening, a recommendation will not be ready in time for the February memo deadline. However, the department anticipates a recommendation will be available and placed on Council's desk for approval.

It is recommended the Committee and Council pass an [ordinance](#) amending the 2016 annual budget to increase the Street Improvement expenditures for the 2016 Street Seal District.

### 9. 2016 Sidewalk Curb and Gutter (4166)

This is the annual maintenance project to repair portions of sidewalk, curb and gutter within the right of way and deemed a safety issue. Public Works and other City departments budget funds to be used for the repairs.

Also, property owners are notified of the needed repair work and have the option to repair the sidewalk themselves or hire the City Contractor to repair the sidewalk. If the property owner wishes for the City Contractor to repair the sidewalk, the costs are assessed to the property owner.

An estimate of quantities was created for bidding purposes and advertised. The exact quantity of repair work is only an estimate and can vary greatly from year to year. The engineer's estimate for this project is \$387,985.

**Fiscal Impact:** The funding for this project will come from funds budgeted in 2016.

## PUBLIC WORKS AND SAFETY COMMITTEE

March 2, 2016

Page 5

On Tuesday, March 1, 2016 at 11:00 am, bids will be opened for the 2016 Sidewalk, Curb & Gutter Project. Due to timing of the bid opening, a recommendation will not be ready in time for the February memo deadline. However, the department anticipates a recommendation will be available and placed on Council's desk for approval.

### 10. 2016 Street Patching Project (4184)

This is the annual maintenance project to patch pavement surfaces that have failed or are showing distress.

**Fiscal Impact:** The funding for this project will come from Street Department budgeted funds. The engineer's estimate for this project is approximately \$500,000.

On Tuesday, March 1, 2016, bids will be opened for the 2016 Street Patching Project. Due to timing of the bid opening, a recommendation will not be ready in time for the February memo deadline. However, we do anticipate a recommendation will be available and placed on Council's desk for approval.

### 11. Award of Bid- 36<sup>th</sup> Ave NW Extension to Broadway (4071)

This project will extend 36th Avenue NW from 8th Street NW west to Broadway.

**Fiscal Impact:** The project will be paid for with [general obligation bonds](#) and surge funding. The Engineer's Estimate for this project is \$3,654,000.

On Monday, March 7, 2016, bids will be opened for the 36th Avenue NW Extension to Broadway Project. Due to timing of the bid opening, a recommendation will not be ready in time for the February memo deadline. However, a recommendation will be placed on Council's desk for approval at the City Council meeting.

### 12. Minot Prairie Industrial Park 2<sup>nd</sup> Addition Developer Agreement (4098)

In May of 2015, a [developer's agreement](#) for Minot Prairie Industrial Park 2nd Addition was sent to Council for approval. Since that time, the design for the storm water infrastructure has changed requiring the agreement and storm water easements to be modified.

This agreement also requires a monetary security to the City to ensure the infrastructure is constructed to the City's specifications and supports the proposed development.

It is recommended the Committee and Council approve the developer's agreement for Minot Prairie Industrial Park 2<sup>nd</sup> Addition and authorize the Mayor to sign the agreement.

### 13. Award of Bid- Lease/Purchase of a New Motor Grader (4182 & STR040)

On February 9, 2016 bids were opened for a five year lease or for straight purchase of a new motor grader for the Street Department. There were two bids received, the following is a tabulation of the bids:

Name	Type	Base Bid	Lease/Yr	Buyout
Butler Machinery	Cat 12M3 AWD	\$259,000	\$32,416.34	\$122,800
RDO Equipment	JD 772G	\$286,348	\$33,705.86	\$172,800

## **PUBLIC WORKS AND SAFETY COMMITTEE**

March 2, 2016

Page 6

Butler Machinery is the low bidder for the straight purchase option and the five year lease plus buyout option.

**Fiscal Impact:** Funding for the motor grader is budgeted for 2016 in the Street Department Capital Purchases account 429-7300-431.07-93 in the amount of \$275,000.

After review of the two purchase options, it is recommended the Committee and Council award the bid to Butler Machinery for the straight purchase of the new motor grader in the amount of \$259,000.

### **14. Handicapped Accessible Van Purchase (4193, BUS016 & BUS021)**

The Public Works Department is requesting authorization to proceed with the purchase of two handicap accessible vans from Harlow's Bus Sales off of the North Dakota State Bid contract #382. These vans will replace two 2010 Dodge Caravans that are beyond their life expectancy.

**Fiscal Impact:** The funds for one of these vans were approved in the 2016 budget and the funds for the second van were encumbered from the 2015 budget. Each van will cost \$39,625 for a total purchase price of \$79,250. The North Dakota DOT Section 5339 grant will pay 80%, leaving the cost to the City of \$15,580 (20%).

It is recommended the Committee and Council authorize the purchase of two handicapped accessible vans for the Public Works Department.

### **15. Engineering Amendment- 55<sup>th</sup> Crossing Sanitary Sewer Lift Station (3965)**

The original contract for this project called for completion on October 15, 2015. Due to contractor scheduling and issues with the pump manufacturer providing incorrect pumps, portions of the project had to be re-designed to accommodate the larger size of the pumps. This resulted in additional engineering time in the field as well as designing the lift station to accommodate the larger pumps.

Apex Engineers is requesting an additional not to exceed amount of \$12,000 for this work as well as finalizing the contract asbuilts and documentation.

**Fiscal Impact:** The contractor will be assessed liquidated damages to cover this additional engineering.

It is recommended the Committee and Council approve the [amendment](#) for engineering services with Apex Engineers for the 55<sup>th</sup> Crossing Sanitary Sewer Lift Station for an additional amount not to exceed \$12,000 and authorize the Mayor to sign the contract amendment.

### **16. NAWS – BIOTA Plant at Max – SWC Cost Share Request**

Attached is a copy of a [memo](#) from the State Engineer to the State Water Commission in regards to the Biota Water plant design. The State Engineer is requesting the SWC program \$5 million in funds toward advancing the design of the biota water treatment plant at the continental divide (Max) prior to the injunction being lifted.

This project would provide a substantial benefit to the Northwest Area Water Supply project, to which the City of Minot has committed a 35% local cost share toward funding.

**Fiscal Impact:** The estimated design time for this plant is 86 weeks. The local or City share of this would be 35% of the estimated \$5 million or approximately \$1.75 million over the 86 week period. There is \$2.3 million programmed in the CIP for water plant updates utilizing NAWS funds.

## PUBLIC WORKS AND SAFETY COMMITTEE

March 2, 2016

Page 7

It is recommended the Committee and Council support the 35% cost share to expedite the design of the Biota Plant at Max.

### 17. NAWS – Sundre Line Relocation – Design Engineering

As the City and Souris River Joint Board (SRJB) has progressed with the design of the first three phases of flood protection, it has become apparent a large portion of the existing fiber glass Sundre raw water line, which brings water from the sundre wellfield SE of Minot to the Water plant will need to be relocated for the flood protection. The estimated cost of relocating this line for Phase I of the flood control project is \$2.25 million dollars. When the Maple Diversion project is built, it is estimated an additional \$5 million plus will be required to relocate the Sundre line in that phase.

In reviewing the costs for the relocation of the Sundre line, staff discovered it is a 40 year old fiber glass line with leaks and it is difficult to acquire parts for repair. Staff began looking at other options, such as re-routing the Sundre line. A map is attached showing tentative options for re-routing the Sundre line with a new line and making a tie into the existing raw water line which was installed by NAWS several years ago.

In discussions with the SWC and the design engineers for the NAWS project, they feel there are many benefits to re-routing the sundre line and tying it into the NAWS line. Some of the benefits include:

1. Replacing an old fiberglass line with a smaller pressure line that can be maintained and parts are available for.
2. Providing a mixing of ground water with the lake water prior to final treatment at the Minot Water Plant.
3. Provide raw water storage from the sundre field of approx. 2 million gallons, which will reduce the amount of storage needed on the line coming from the water plant at Max.

It is estimated the design and easement acquisition will take 6-8 months to complete and the estimate for this engineering work is \$745,000.

In order to complete this design and have a product ready for construction, prior to the start of the first phases of the flood control project, it is recommended Houston Engineering be retained to complete the Sundre line relocation design and easement acquisition. When the project is ready to bid, the City would expect to request the SWC provide a cost share or credit toward a future NAWS project for their 65% share of this project, since this project will benefit the NAWS system as well as the flood control system.

**Fiscal Impact:** Funding for the estimated \$745,000 design would come from NAWS sales tax dollars.

It is recommended the Committee and Council authorize the Public Works director to negotiate a contract for design of the Sundre Line relocation and approve the Mayor to sign the contract on the City's behalf.

### 18. Reject Bids- Fire Department Breathing Air Compressor/ Fill Station

On February 9, 2016 bids were opened for a Breathing Air Compressor/ Fill Station. Two bids were received:

- American Airworks – Bid did not meet the bid specification since it did not contain a bid bond
- Fire Safety USA – Bid came in totaling \$47,795, which is \$2,795 over budget

It is recommended the Committee and Council reject all bids for the Breathing Air Compressor/ Fill Station. After further review of the fire department budget and operation, it was decided not to rebid in 2016.

### 19. Ordinances on Second Reading

- a. [Ordinance No. 5045](#) – Amend the 2016 Annual Budget- Regional Training
- b. [Ordinance No. 5046](#) – Amend the 2015 Annual Budget- Water Distribution Expenditures

**PUBLIC WORKS AND SAFETY COMMITTEE**

March 2, 2016

Page 8

- c. [Ordinance No. 5047](#) – Amend the 2015 Annual Budget- Bus Fixed Route Transit Software
- d. [Ordinance No. 5048](#) – Amend the 2015 Annual Budget- Upgrade to Engineering Restrooms & Conference Room Equipment

**20. Award of Bid- Police Investigation Vehicle**

On February 23, 2016, bids were opened for a new or used [police investigations vehicle](#). The bids were reviewed and it was determined the bid should be awarded to Ryan GMC for the 2013 Dodge Journey SXT for \$19,243. In addition to the cost indicated, one of the current undercover vehicles (2006 Pontiac Grand Prix) and a vehicle forfeited to the police department from an investigation (2000 Dodge Ram 1500) will be traded for this vehicle.

Although this was not the lowest bid, it was chosen for the following reasons:

1. This vehicle meets or exceeds the minimum specifications indicated in the bid request.
2. The Dodge Journey has the second lowest miles with only 1,850 miles at the time of the bid. One other vehicle has less miles but a test drive of that vehicle proved it would not be the most functional for the investigations division.

**Fiscal Impact:** The funds for this vehicle have been budgeted in the amount of \$20,000 in the 2016 Capital Purchases account.

It is recommended the Committee and Council award the bid for a police investigation vehicle to Ryan GMC for a Dodge Journey SXT.

**21. Recycling Discussion**

The Public Works Department receives calls on a regular basis regarding recycling in the City of Minot. Based on calls, there appears to be some interest within the community to see curb side recycling enacted within the City. Waste Management will be giving a short presentation to show the committee what single sort recycling looks like and what would be entailed to get a recycling program started in Minot.

This is being presented for information to the Committee and Council. Public Works staff will be available at the committee meeting for any questions.