



City Council Work Session Agenda

1. 5:30 P.M. Call To Order
2. Pledge Of Allegience
3. 5:30 P.M. Special City Council Meeting Agenda

Documents:

[JUNE 11 2018 CITY COUNCIL AGENDA PACKET.PDF](#)

4. Adjourn Special Council Meeting Into Work Session
5. City Council Work Session- 2019 Infrastructure Planning & Budget
The work session will begin immediately following the Special City Council Meeting.

A. 5:40 P.M. 2019 Infrastructure Projects

- *Sanborn Phase II (attached executive summary is the entire North Sanborn Project- Phase II will go from 1st to 8th)*
- *East Central Drainage Basin*
- *Water Infrastructure Plans*

Documents:

[NORTH SANBORN EXECUTIVE SUMMARY 4-27-18.PDF](#)

[EAST CENTRAL DRAINAGE STUDY EXECUTIVE SUMMARY 4.18.18.PDF](#)

[2018-2022 WATER IMPROVEMENT PLAN.PDF](#)

B. 6:40 P.M. Discussion On Council Goals For 2019 Budget

6. Adjourn

- *Adjournment will occur no later than 7:30 PM*

Work sessions are designed to allow the City Council to have further discussion on topics outside of the regular meeting format; no action will be taken during a work session..

Special City Council Agenda

City Council Chambers, City Hall, 612 N. Main Street

June 11, 2018

Committee Meetings (if any) will be first; immediately followed by the City Council Meeting.

1. 5:30 P.m. Call To Order

2. Pledge Of Allegiance

3. Roll Call

4. Canvass Election Returns

Documents:

[CANVASS ELECTION RETURNS.PDF](#)

[OFFICIAL CANVASS SHEET.PDF](#)

5. Action On Resolution #R2018-30, Canvass Election Returns

Documents:

[RESOLUTION R2018-30.PDF](#)

[R2018-30-CANVASS.PDF](#)

6. Motion To Adjourn To Council Work Session

Individuals with disabilities who require special assistance to take part in this meeting may contact one of the following at City Hall (605) 995-8420 at least 24 hours prior to the meeting with requests for assistance: Human Resources Officer, Finance Officer, Public Works Director, or City Administrator.

CITY OF MITCHELL

City Council Meeting
Agenda Item Request



The deadline for agenda items is Wednesday at noon, prior to the City Council Meeting

Meeting Date Requested: Requested By:

Desired Action of City Council:

<input type="checkbox"/> Authorization	<input checked="" type="checkbox"/> Approval	<input type="checkbox"/> Resolution
<input type="checkbox"/> Ordinance	<input type="checkbox"/> Citizen Request	<input type="checkbox"/> Discussion

Amount Budgeted in current fiscal year for this item (if applicable):

Agenda Item:

Explanation/Background of Agenda Item Requested:

The official canvass is required to be completed within 7 days of the election. The Municipal/Primary Election was held on June 5, 2018.

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Amount Budgeted in current fiscal year for this item (if applicable):

Agenda Item:

Explanation/Background of Agenda Item Requested:

RESOLUTION #R2018-30

WHEREAS, the members of the City Council of the City of Mitchell, Davison County, South Dakota, have convened on Monday, June 11, 2018 at 5:30 p.m. for the purpose of canvassing returns of the Municipal/Primary Election as provided by law, said election having been held on Tuesday, the 5th day of June, 2018 in the City of Mitchell, South Dakota.

WHEREAS, only one nominating petition was filed for the following offices, as follows:

Alderman, Ward 3 (three year term)	Marty Barington
Alderman, Ward 4 (three year term)	Jeff Smith

BE IT RESOLVED, that the following is a true and correct abstract of the returns of said election held on June 5, 2018.

Mayor (three year term):

Tara Volesky	297
Bob Everson	1365
Steven M Larson	182
Mel Olson	1154

Alderman Ward 1 (three year term):

Clay B Loneman	119
Dan Sabers	320
Tim Goldammer	268

Alderman Ward 2 (three year term):

Debbie Emme	94
Kevin McCardle	475

NOW, THEREFORE, BE IT RESOLVED, that the following named persons are hereby declared to be elected, and that the City Finance Officer is hereby directed to issue Certificates of Election for the positions of Alderman with the City of Mitchell, as follows:

Mayor	(three year term)	Bob Everson
Alderman, Ward 1	(three year term)	Dan Sabers
Alderman, Ward 2	(three year term)	Kevin McCardle
Alderman, Ward 3	(three year term)	Marty Barington
Alderman, Ward 4	(three year term)	Jeff Smith

Dated this 11th day of June, 2018.

Mayor

Attest:

Finance Officer
[SEAL]

Mitchell Sanborn Project from 1st to 15th Avenues

Executive Summary

Sanborn Blvd is located in Mitchell, South Dakota, and was previously the route through the City of Mitchell as State Highway 37. The street is a major artery through the City of Mitchell not only for residents but for emergency vehicles as well. The existing street surface on North Sanborn from 1st to 15th Avenues is concrete surfacing. Sanitary sewer main, water main and storm sewer main piping are located throughout the Sanborn Boulevard corridor. The concrete surfacing is in extremely poor condition. The City of Mitchell Street Department is consistently performing point repairs to the street during all stages of the season. Localized flooding occurs multiple times a year at the intersection of 9th Avenue. The flooding requires the City of Mitchell to close down the street after rain events and it is a safety hazard for emergency vehicles.

The North Sanborn Boulevard corridor was analyzed using a storm water modeling software which evaluated the existing drainage system's capacity to collect and carry a five-year storm event. The storm water model verified that the 9th and Sanborn intersection flooded to a depth of approximately 1.45 feet for the five-year storm event and 2 feet for the 100-year storm event. Multiple alternatives were examined to alleviate the flooding at the intersection. The alternative selected for implementation will route the storm water to the south to Dry Run Creek. The improvements will add an additional eight inlets and replace the existing four Type S inlets. The existing piping system is a 36-inch vitrified clay pipe (VCP). The VCP storm water north of the 10th Avenue intersection will be replaced with RCP.

A Facility Plan for the City of Mitchell's water distribution system was completed in September of 2016. The Facility Plan recommended replacing outdated cast iron water main and increasing water main sizes throughout the City. The proposed Sanborn Boulevard project includes replacing all cast iron water main and increasing water main sizes to a minimum of six-inch. Portions of the project have water main that was replaced in recent years by the City of Mitchell. These portions were replaced due to frequent breaks in the old cast iron water main.

The majority of the existing sanitary sewer within the North Sanborn corridor is VCP. The City of Mitchell televised the sanitary sewer to determine the condition of the pipe. It was desired to line the existing main in order to minimize disturbance; however, the pipe is in such poor condition with offset joints, sags and misalignment that it was decided to replace all the VCP sewer. Service lines will also be replaced from the main to the property line.

The costs associated with the proposed project are shown below:

	Total Cost	Water	Sewer	Storm	Street
North Sanborn Construction Estimate	\$7,114,000.00	\$702,560.47	\$929,632.76	\$2,975,894.42	\$2,505,912.35
Bidding	\$7,000.00	\$1,050.00	\$1,750.00	\$2,100.00	\$2,100.00
Construction Engineering	\$661,000.00	\$99,150.00	\$165,250.00	\$198,300.00	\$198,300.00
Total Project Costs	\$7,782,000.00	\$802,760.47	\$1,096,632.76	\$3,176,294.42	\$2,706,312.35

Mitchell East Central Drainage System Study

Executive Summary

The East Central Drainage System has a drainage basin of approximately one square mile. The drainage system consists of concrete curb and gutter, storm sewer and ditches. The study utilized a model to analyze the existing drainage system's capacity to collect and carry a five-year storm event with a total precipitation of 3.06 inches and a peak rain intensity of 4.70 inches per hour. The 100-year storm event was analyzed with a total precipitation of 5.65 inches and a peak intensity of 8.67 inches per hour.

The storm water piping south of the interstate was found to be adequately sized for the five-year storm event. However, the majority of the remaining piping within the system was found to be is surcharged or under capacity.

The storm water model indicated storm water ponding greater than one-half foot in three locations. These locations are the intersections of Hackberry and Kimball (Klock Werks), Juniper and Langdon and Main and Elm. The worst of those intersections is the Hackberry and Kimball intersection where the model indicated 2.38 feet of ponding during the five-year storm event. The Hackberry and Kimball intersection is the lowest area within the drainage basin. The lack of capacity in the storm water system to carry the storm water away from this intersection is compounded by the area being low which actually resulted in the model indicating storm water flowing out of the system and increasing the storm water ponding in the intersection of Hackberry and Kimball (Klock Werks).

The vast majority of the streets within the East Central Drainage System were evaluated to determine the depth of flow within the street for the five- and 100-year storm events. The modeling indicated that the flooding which occurs is confined within the right-of-way during both the five-year and 100-year events. As such, no other areas were identified as being a concern at this time.

The storm water piping in the east portion of the drainage system has a high point at the intersection of Juniper and Langdon which results in storm water flowing in two directions. The storm water modeling indicates that the East Mainline provides relief to Mainline 3 during surcharged conditions. However, it should be noted that it is not recommended to convey additional storm water to the East Mainline due to the possibility of adverse effects on Burr Street.

The East Central Drainage System was also analyzed with the development as described in the Tax Incremental District Number 22. The TIF 22 document describes proposed improvements which include new streets, storm sewer and underground utilities. If no storm sewer improvements were made within the TIF District, the flooded depth at the Hackberry and Kimball intersection would increase from 2.38 feet to 2.67 feet. Phase 1 of the TIF proposes installing inlets at the intersection of Lawler and Hackberry and connecting these to Mainline 4 on Main Street. The storm water model indicates that installing these improvements will adversely affect the Hackberry and Kimball intersection by providing the surcharged storm water

pipe a relief point and allowing flow out of the inlets at the Lawler and Hackberry intersection and flow to the Hackberry and Kimball intersection, thus increasing the flooded depth at the Hackberry and Kimball intersection. As a result, completing storm sewer improvements as detailed in TIF 22 Phase 1 are not recommended. Phases 3 and 4 which connect to Phase 1 are also not recommended.

Multiple alternatives were developed to alleviate the issues identified above. Various detention pond layouts were considered and found to be ineffective options. The alternative found to provide the greatest benefit was installing new larger piping from the Kimball and Hackberry intersection to Dry Run Creek. This alternative lowers the storm water ponding at the Kimball and Hackberry intersection from 2.38 feet to 0.6 feet for the five-year storm event.

The costs associated with the work to complete the improvements within the TIF District are \$2,087,530 and \$2,998,470 outside of the TIF District to complete the improvements to Dry Run Creek for a total cost of \$5,086,000. In addition to storm sewer improvements the costs within the TIF boundaries include new sanitary sewer and water main where needed and new asphalt streets with curb and gutter. Localized storm water detention of all developing parcels within the drainage basin would still be required according to City Ordinance. The costs outside of the TIF boundaries include increasing the size of an existing storm sewer, replacing outdated clay sanitary sewer mains, replacing outdated iron pipe water main and reconstructing the existing streets along the storm sewer route. The water main on Rowley Street has been experiencing poor quality issues and has been scheduled to be replaced in the near future.

Total Costs for Improvements Located Within the TIF Area					
	Total	Water	Sewer	Storm Sewer	Street
Total Estimated Cost	\$2,087,530	\$115,000	\$209,800	\$682,800	\$1,079,930
Total Costs for Improvements Located Outside the TIF Area					
	Total	Water	Sewer	Storm Sewer	Street
Total Estimated Cost	\$2,998,470	\$175,000	\$298,700	\$1,623,400	\$901,370
Total Estimated Project Cost	\$5,086,000	\$290,000	\$508,500	\$2,306,200	\$1,981,300

**Mitchell Water System
Summary of Improvement Options**

Improvement Options	Cost	Improvement Plan					Later	No Action	
		2018	2019	2020	2021	2022			
Water Source Options	Option 2: B-Y Water District Improvements	\$6,232,000		\$6,232,000					
	Option 3: Abandon WTP	\$1,335,500		\$1,335,500					
	Option 4: Replacing Existing WTP Equipment	\$4,308,600						\$4,308,600	
	Option 5: Modifications for Membrane Treatment	\$5,941,400						\$5,941,400	
	Option 6: PRV Vault Bypass	\$111,450						\$111,450	
	Option 7: Davison Rural Water Emergency Connection								
	Water Storage Options	Option 2: Burr Street Water Tower Removal	\$84,540			\$84,540			
Option 3: Burr Street Water Tower Replacement		\$1,531,000			\$1,531,000				
Option 4: West Water Tower Recoating		\$499,500	\$499,500						
Option 5: West Water Tower Tank Mixers		\$127,000	\$94,000	\$33,000					
Option 6: South Water Tower Coating Repair		\$50,000	\$50,000						
Water Distribution System Options		Option 2: Replacement of CIP and SCP	\$37,248,098			\$500,000	\$500,000	\$500,000	\$35,748,098
	Option 3: Replacement of ACP	\$16,597,138			\$200,000	\$200,000	\$200,000	\$15,997,138	
	Option 4: Looping	\$3,135,060						\$3,135,060	
	Option 4.1A: West Harmon Drive Looping	\$1,096,830						\$1,096,830	
	Option 4.2B: Railroad Looping	\$1,947,248						\$1,947,248	
	Option 5: North Transmission Line	\$2,619,766						\$2,619,766	
	Performance Pets Water Loop	\$178,000	\$178,000						
	South Sanborn Water Main	\$302,932	\$302,932						
	North Sanborn Water Main	\$802,760		\$802,760					
	Walmart to Carl Road Water Main	\$372,000			\$372,000				
	Mattie Street Phase II	\$270,000				\$270,000			
	Valve Replacement - Contracted*	\$75,000	\$75,000						
	Valve Replacement - City*	\$30,000	\$30,000						
	East Hanson Water Main*	\$250,000	\$250,000						
	Hydrant Repairs*	\$25,000	\$25,000						
	Trenching/Shoring*	\$10,000	\$10,000						
	Service Van*	\$25,000	\$25,000						
Total Water System Costs			\$1,539,432	\$8,403,260	\$2,687,540	\$970,000	\$700,000	\$57,924,374	\$12,981,216

*Obtained from City's 2018 Budget