

CITY OF BISMARCK  
BUDGET SUPPLEMENT  
2018

Fees and Charges

Capital Improvement Program  
2018-2022

**CITY OF BISMARCK, NORTH DAKOTA  
2018 BUDGET SUPPLEMENT  
TABLE OF CONTENTS**

**DEPARTMENTAL FEES AND CHARGES**

**GENERAL FUND**

ADMINISTRATION.....	1
CENTRAL DAKOTA COMMUNICATIONS CENTER.....	2
COMMUNITY DEVELOPMENT DEPARTMENT.....	3-4
ENGINEERING.....	5-6
FINANCE.....	7
FIRE DEPARTMENT.....	8
MUNICIPAL COURT.....	9-13
POLICE DEPARTMENT.....	14-15
PUBLIC HEALTH.....	16-17

**ENTERPRISE FUNDS**

AIRPORT.....	18-19
EVENT CENTER.....	20-23
BELLE MEHUS.....	24-25
PUBLIC WORKS- SERVICE OPERATIONS.....	26-29
PUBLIC WORKS- UTILITY OPERATIONS.....	30-33

**CAPITAL IMPROVEMENTS**

FUND SOURCE SUMMARY.....	34
DEPARTMENT COSTS BY YEAR.....	35-36
<b>CAPITAL IMPROVEMENTS BY DEPARTMENT:</b>	
ADMINISTRATION.....	37-38
AIRPORT.....	39-57
EVENT CENTER.....	58-79
FIRE.....	80-86
LIBRARY.....	87-90
POLICE.....	91-94
PUBLIC HEALTH.....	95-98
PUBLIC WORKS - BUILDING MAINTENANCE.....	99-104
PUBLIC WORKS - SOLID WASTE UTILITY.....	105-106
ENGINEERING - STREET LIGHTS & TRAFFIC SIGNALS UTILITY.....	107-112
PUBLIC WORKS - ROADS & STREETS.....	113-114
PUBLIC WORKS - STREETS & HIGHWAYS.....	115-126
PUBLIC WORKS - WATER & SEWER UTILITY- SANITARY SEWER.....	127-133
PUBLIC WORKS - WATER ADMINISTRATION.....	134-139
PUBLIC WORKS - STORM SEWER.....	140-142
PUBLIC WORKS - WASTEWATER TREATMENT PLANT.....	143-145
PUBLIC WORKS - WATER DISTRIBUTION.....	146-152
PUBLIC WORKS - WATER TREATMENT PLANT.....	153-158

# **Fees & Charges**

## **Section 1**





DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Community Development Department			
	FEES AND CHARGES		
	2017	Proposed	
	Current	Revised	2018
Service	Base Fee	Change	Fee
<b>Building Inspections Division:</b>			
Electrical permits	25.00 each		25.00 each
Drainfield/perc permits	75.00/installation		75.00/installation
Septic evaluation	75.00/installation	(75.00)	
<b>Building permits:</b>			
\$1 to 2,000	40.00 1st 500		40.00 1st 500
	1.85 ea add'l 100		1.85 ea add'l 100
\$2001 to 25,000	67.75 1st 2,000		67.75 1st 2,000
	8.40 ea add'l 1,000		8.40 ea add'l 1,000
\$25,001 to 50,000	260.95 - 25,000		260.95 - 25,000
	6.10 ea add'l 1,000		6.10 ea add'l 1,000
\$50,001 to 100,000	413.45 - 50,000		413.45 - 50,000
	4.20 ea add'l 1,000		4.20 ea add'l 1,000
\$100,001 to 500,000	623.45-100,000		623.45-100,000
	3.40 ea add'l 1,000		3.40 ea add'l 1,000
\$500,001 to 1,000,000	1,983.45-500,000		1,983.45-500,000
	2.85 ea add'l 1,000		2.85 ea add'l 1,000
\$1,000,000 and up	3,408.45-1 mill		3,408.45-1 mill
	2.20 ea add'l 1,000		2.20 ea add'l 1,000
Plan review fee	New	20% of building permit fee for all commercial projects (everything except 1&2 family residential)	20% of building permit fee for all commercial projects (everything except 1&2 family residential)
Demolition permit	75.00		75.00
Structural assessment inspection fee	50.00		50.00
Structural assessment re-inspection fee	50.00		50.00
Moving permit	50.00 250/500 liability		50.00 250/500 liability
	500.00 performance		500.00 performance
Temporary use/structure permit	50.00		50.00
Mobile home park license	3.00 per space		3.00 per space
<b>Mechanical permits:</b>			
\$1 to 2,000	40.00		40.00
\$2,001 - 20,000	40.00 1st 2,000		40.00 1st 2,000
	1.65 per 1,000		1.65 per 1,000
\$20,001 - 100,000	69.70 1st 20,000		69.70 1st 20,000
	1.10 per 1,000		1.10 per 1,000
\$100,001 +	157.70 1st 100,000		157.70 1st 100,000
	0.60 per 1,000		0.60 per 1,000
<b>Plumbing permits:</b>			
Residence/apartment/s new constr:			
\$1 to 20,000	40.00 1st 2,000		40.00 1st 2,000
	plus 1.65 for ea 1,000		plus 1.65 for ea 1,000
\$20,001 - 100,000	69.70 1st 20,000		69.70 1st 20,000
	plus 1.10 for ea 1,000		plus 1.10 for ea 1,000
\$100,001 +	157.70 1st 100,000		157.70 1st 100,000
	plus 0.60 for ea 1,000		plus 0.60 for ea 1,000
<b>Commercial:</b>			
\$1 - 20,000	40.00 1st 2,000		40.00 1st 2,000
	1.65 for ea 1,000		1.65 for ea 1,000

DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Community Development Department (Continued)</b>			
	<b>FEES AND CHARGES</b>		
	2017	Proposed	
	Current	Revised	2018
Service	Base Fee	Change	Fee
Commercial:			
\$20,001 - 100,000	69.70 1st 20,000		69.70 1st 20,000
	1.10 for ea 1,000		1.10 for ea 1,000
\$100,001 - +	157.70 1st 100,0000		157.70 1st 100,0000
	0.60 for ea 1,000		0.60 for ea 1,000
Home business occupation	25.00		25.00
Manufactured homes	150.00		150.00
Administrative fee	125.00		125.00
Non-structural permit	125.00		125.00
Zoning verification request	New	50.00	50.00
Community acknowledgement form request	New	50.00	50.00
Mechanical/fuel gas licensing program			
Class A annual fee	125.00		125.00
Class B annual fee	75.00		75.00
Class C annual fee	35.00		35.00
Exam fee	125.00		125.00
Planning Division:			
Application Fees:			
Preliminary major plat	475.00	50.00	525.00
Preliminary major plat resubmittal fee	50.00		50.00
Final major plat	850.00	100.00	950.00
Final major plat resubmittal fee	50.00		50.00
Minor plat	900.00	100.00	1,000.00
Minor plat resubmittal fee	50.00		50.00
Plat vacation	800.00	100.00	900.00
Zoning change	825.00	75.00	900.00
Zoning change - PUD	1,000.00	50.00	1,050.00
PUD amendment	775.00	75.00	850.00
Annexation	350.00	150.00	500.00
Special use	500.00	50.00	550.00
Rural lot splits	500.00	50.00	550.00
FARMP amendment w/o plat	850.00	100.00	950.00
LUP amendment w/o zoning change	850.00	100.00	950.00
Vacation - ROW	400.00	50.00	450.00
Vacation - non-access lines	275.00	25.00	300.00
Release - easements	275.00	25.00	300.00
Lot modification	100.00		100.00
Downtown design review w/o RZA	100.00		100.00
Renaissance zone project	100.00		100.00
CORE project	100.00	(100.00)	
Site plan review	125.00		125.00
Site plan review - landscape plan	75.00	25.00	100.00
Site plan review resubmittal fee	50.00		50.00
Site plan review - landscape plan resubmittal fee	New	50.00	50.00
Site plan waiver request fee	New	100.00	100.00
Variances	350.00		350.00

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Engineering	FEES AND CHARGES		
	2017	Proposed	
	Current	Revised	2018
	Base Fee	Change	Fee
Service			
24" X 36" paper copy	10.00		10.00
24" X 36" mylar copy	10.00		10.00
24" X 36" paper plotted color	15.00		15.00
24" X 36" paper plotter b & w	10.00		10.00
Smaller sizes engineering archive copies	Varies		
Photocopies	0.10 pp after 10 pages		0.10 pp after 10 pages
CD copy of all plats	50.00		50.00
CD copy archive (CD/DVD & other digital material)	5.00 or cost + 10%		5.00 or cost + 10%
Project plans & specifications			
*11x17 sheet set, graduated scale	100.00		100.00
*24X36 sheet set, graduated scale	150.00		150.00
City specification manual	65.00 ea		65.00 ea
Project spec book	0.00, included in plan fee		0.00, included in plan fee
CD copy of spec book	10.00	10.00	20.00
Concrete permit	11% construction cost, includes random concrete testing		11% construction cost, includes random concrete testing
Excavation permit: traffic control fees may apply (verify)			
New	135.00, includes random testing	5.00	140.00
Stub out	135.00, includes random testing	5.00	140.00
Completion	135.00, includes random testing	5.00	140.00
Fire line flush	55.00 ea	5.00	60.00
Approach permit	100.00 w/study		100.00 w/study
Approach permit	50.00 w/o study		50.00 w/o study
Grading permits	25.00 block (min 100.00)		25.00 block (min 100.00)
Local Street - traffic control fee			
Partial/no detour	50.00	50.00	100.00
Full closure w/o detour	100.00		100.00
Full closure w/detour	150.00	(50.00)	100.00
Collector street - partial/no detour	50.00	100.00	150.00
Full closure w/o detour	100.00	50.00	150.00
Full closure w/detour	150.00	50.00	200.00
Minor arterial - partial/no detour	100.00	50.00	150.00
Full closure w/o detour	150.00	150.00	300.00
Full closure w/detour	500.00		500.00
Principal arterial - traffic control fee	300.00 + large projects		300.00 + large projects
Partial/no detour	500.00		500.00
Full closure w/o detour	1,500.00		1,500.00
Full closure w/detour	3,000.00		3,000.00
Street/sidewalk cut charge	65.00		65.00
Engineering fees - city projects	10% construction cost		10% construction cost
Engineering special projects	Wages x 1.75 + add'l costs		Wages x 1.75 + add'l costs
Traffic operations data	30.00		30.00
	or cost + 10%		or cost + 10%
Snow removal - sidewalk	Cost +		Cost +
	40.00 administration		40.00 administration
Vehicle oversize permits	20.00+ ton-mile fee		20.00+ ton-mile fee
	during spring load restr.		during spring load restr.
	25.00 over size		25.00 over size
Monthly permits	400.00		400.00
Structure moving permit	65.00		65.00
Vendor permits	50.00/year		50.00/year







DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Municipal Court</b>			
	<b>FEES AND CHARGES</b>		
	2017 Current Base Fee	Proposed Revised Change	2018 Fee
Service			
Traffic Citations:			
Sale/possession of tobacco under 18	45.00		45.00
Authority of police/fire department	20.00		20.00
Public employees to obey traffic regs	20.00		20.00
Emergency vehicles	50.00		50.00
Yield to emergency vehicle	50.00		50.00
Written report of accident	50.00		50.00
No current registration	20.00		20.00
No drivers license	20.00		20.00
No class 4 drivers license	20.00		20.00
No drivers license in possession	20.00		20.00
Child restraint devices	25.00		25.00
Registration card to be carried in vehicle	20.00		20.00
Registration card upon employment	20.00		20.00
Visible license plate	20.00		20.00
Seatbelts required	20.00		20.00
Notice change of address	20.00		20.00
License required upon residency	20.00		20.00
Red light violation	20.00		20.00
Flashing red light violation	20.00		20.00
Pedestrian control signal	20.00		20.00
Designation of lanes, walks, etc	20.00		20.00
Obedience to traffic control device	20.00		20.00
Fail to obey traffic signal	20.00		20.00
Careless driving	30.00		30.00
Care required	30.00		30.00
Speeding (4 mph over limit)	5.00		5.00
Speeding (5 mph over limit)	5.00		5.00
Speeding (6 mph over limit)	6.00		6.00
Speeding (7 mph over limit)	7.00		7.00
Speeding (8 mph over limit)	8.00		8.00
Speeding (9 mph over limit)	9.00		9.00
Speeding (10 mph over limit)	10.00		10.00
Speeding (11 mph over limit)	11.00		11.00
Speeding (12 mph over limit)	12.00		12.00
Speeding (13 mph over limit)	13.00		13.00
Speeding (14 mph over limit)	14.00		14.00
Speeding (15 mph over limit)	15.00		15.00
Speeding ( 16 mph over limit)	17.00		17.00
Speeding (17 mph over limit)	19.00		19.00
Speeding (18 mph over limit)	21.00		21.00
Speeding (19 mph over limit)	23.00		23.00
Speeding (20 mph over limit)	25.00		25.00
Speeding (21 mph over limit)	28.00		28.00
Speeding (22 mph over limit)	31.00		31.00
Speeding (23 mph over limit)	34.00		34.00
Speeding (24 mph over limit)	37.00		37.00
Speeding (25 mph over limit)	40.00		40.00
Speeding (26 mph over limit)	43.00		43.00
Speeding (27 mph over limit)	46.00		46.00
Speeding (28 mph over limit)	49.00		49.00
Speeding (29 mph over limit)	52.00		52.00
Speeding (30 mph over limit)	55.00		55.00
Speeding (31 mph over limit)	58.00		58.00
Speeding (32 mph over limit)	61.00		61.00

DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Municipal Court (Continued)</b>			
Service	FEES AND CHARGES		
	2017	Proposed	2018
	Current Base Fee	Revised Change	
Speeding (33 mph over limit)	64.00		64.00
Speeding (34 mph over limit)	67.00		67.00
Speeding (35 mph over limit)	70.00		70.00
Speeding (36 mph over limit)	73.00		73.00
Speeding (37 mph over limit)	76.00		76.00
Speeding (38 mph over limit)	79.00		79.00
Speeding (39 mph over limit)	82.00		82.00
Speeding (40 mph over limit)	85.00		85.00
Speeding (41 mph over limit)	88.00		88.00
Speeding (42 mph over limit)	91.00		91.00
Speeding (43 mph over limit)	94.00		94.00
Speeding (44 mph over limit)	97.00		97.00
Speeding (45 mph over limit)	100.00		100.00
Speeding (46 mph over limit)	105.00		105.00
Speeding (47 mph over limit)	110.00		110.00
Speeding (48 mph over limit)	115.00		115.00
Speeding (49 mph over limit)	120.00		120.00
Speeding (50 mph over limit)	125.00		125.00
Speeding (51 mph over limit)	130.00		130.00
Speeding (52 mph over limit)	135.00		135.00
Speeding (53 mph over limit)	140.00		140.00
Speeding (54 mph over limit)	145.00		145.00
Speeding (55 mph over limit)	150.00		150.00
Speeding (56 mph over limit)	155.00		155.00
Speeding (57 mph over limit)	160.00		160.00
Speeding (58 mph over limit)	165.00		165.00
Speeding (59 mph over limit)	170.00		170.00
Speeding (60 mph over limit)	175.00		175.00
Speeding (61 mph over limit)	180.00		180.00
Speeding (62 mph over limit)	185.00		185.00
Speeding (63 mph over limit)	190.00		190.00
Speeding (64 mph over limit)	195.00		195.00
Speeding (65 mph over limit)	200.00		200.00
Minimum speed limits	20.00		20.00
Drag racing	100.00		100.00
Exhibition driving	50.00		50.00
Exceed speed limit on private property	20.00		20.00
Const. speeding (1 mph over limit)	80.00		80.00
Const. speeding (2 mph over limit)	80.00		80.00
Const. speeding (3 mph over limit)	80.00		80.00
Const. speeding (4 mph over limit)	80.00		80.00
Const. speeding (5 mph over limit)	80.00		80.00
Const. speeding (6 mph over limit)	80.00		80.00
Const. speeding (7 mph over limit)	80.00		80.00
Const. speeding (8 mph over limit)	80.00		80.00
Const. speeding (9 mph over limit)	80.00		80.00
Const. speeding (10 mph over limit)	80.00		80.00
Const. speeding (11 mph over limit)	82.00		82.00
Const. speeding (12 mph over limit)	84.00		84.00
Const. speeding (13 mph over limit)	86.00		86.00
Const. speeding (14 mph over limit)	88.00		88.00
Const. speeding (15 mph over limit)	90.00		90.00
Const. speeding (16 mph over limit)	92.00		92.00
Const. speeding (17 mph over limit)	94.00		94.00
Const. speeding (18 mph over limit)	96.00		96.00

DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Municipal Court (Continued)</b>			
Service	FEES AND CHARGES		
	2017	Proposed	2018
	Current Base Fee	Revised Change	
Const. speeding (19 mph over limit)	98.00		98.00
Const. speeding (20 mph over limit)	100.00		100.00
Const. speeding (21 mph over limit)	102.00		102.00
Const. speeding (22 mph over limit)	104.00		104.00
Const. speeding (23 mph over limit)	106.00		106.00
Const. speeding (24 mph over limit)	108.00		108.00
Const. speeding (25 mph over limit)	110.00		110.00
Const. speeding (26 mph over limit)	112.00		112.00
Const. speeding (27 mph over limit)	114.00		114.00
Const. speeding (28 mph over limit)	116.00		116.00
Const. speeding (29 mph over limit)	118.00		118.00
Const. speeding (30 mph over limit)	120.00		120.00
Obedience to turn signs	20.00		20.00
Position/method of turn at intersection	20.00		20.00
Left turn at other than 2-way roadway	20.00		20.00
Vehicle turn left at intersection	20.00		20.00
Limitations on turning around	20.00		20.00
Proper signal upon turning	20.00		20.00
Stopping vehicle on roadway	20.00		20.00
Fail to use hand/arm or signal lamps	20.00		20.00
Wrong way on a one-way	20.00		20.00
Stop sign violation	20.00		20.00
Fail to yield	20.00		20.00
Obedience to train signals	50.00		50.00
Vehicle stop-railroad crossing/stop signs	50.00		50.00
Vehicle to stop at railroad crossing	50.00		50.00
When traffic obstructed	20.00		20.00
Drive through funeral procession	20.00		20.00
Drive on right side of roadway	20.00		20.00
Passing vehicles proceeding/opposite dir.	20.00		20.00
Overtaking vehicle on left	20.00		20.00
Overtaking vehicle on right	20.00		20.00
Limitations on over-taking on the left	20.00		20.00
Pass with obstructed view	20.00		20.00
No passing zone	20.00		20.00
Drive on road laned for traffic	20.00		20.00
Following too close	20.00		20.00
Driving on divided highway	20.00		20.00
Restricted access	20.00		20.00
Vehicle entering roadway	20.00		20.00
Vehicle approach/enter intersection	20.00		20.00
Overtaking & passing a school bus	50.00		50.00
Unattended motor vehicle	20.00		20.00
Use of wireless communications device prohibited	100.00		100.00
Use of electronic comm device by minor prohibited	20.00		20.00
Limitations on backing	20.00		20.00
Drive with view obstructed	20.00		20.00
Open/close vehicle door when unsafe	20.00		20.00
Coasting prohibited	20.00		20.00
Following fire apparatus	20.00		20.00
Crossing fire hose	20.00		20.00
Garbage/glass on highway prohibited	20.00		20.00
Open container in motor vehicle	50.00		50.00
Permitting minor to drive	20.00		20.00
Permit unauthorized person to drive	20.00		20.00

DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Municipal Court (Continued)</b>			
Service	FEES AND CHARGES		
	2017	Proposed	2018
	Current Base Fee	Revised Change	
Driving upon sidewalk	20.00		20.00
Start a vehicle unsafely	20.00		20.00
Driving on blvd/private property prohibited	20.00		20.00
Entering freeways	20.00		20.00
Operation of snowmobiles	20.00		20.00
Vehicle sound system	50.00		50.00
Unlawful use of motorized scooter	50.00		50.00
Riding on motorcycles	20.00		20.00
Motorcycle lane violation	20.00		20.00
Clinging to other vehicles (motorcycles)	20.00		20.00
Motorcycle, footrests	20.00		20.00
Motorcycle equipment	20.00		20.00
No crash helmet on motorcycle	20.00		20.00
Bicycles traffic laws apply	5.00		5.00
Riding on sidewalk (bicycles)	5.00		5.00
Bicycle clinging to vehicle	5.00		5.00
Bicycle equipment, lamps & equipment	5.00		5.00
Equipment on vehicle to conform	20.00		20.00
Mufflers required	20.00		20.00
Improper brakes	20.00		20.00
No tail/clearance lights	20.00		20.00
Improper horn	20.00		20.00
Improper mirror	20.00		20.00
Improper tires	20.00		20.00
Signals not working	20.00		20.00
Improper wipers	20.00		20.00
Obstructed/tinted windows	20.00		20.00
Size, width & height restrictions	20.00		20.00
Travel off truck route	20.00		20.00
Pedestrians to obey traffic devices	20.00		20.00
Fail to yield to pedestrian	50.00		50.00
Jaywalking	20.00		20.00
Driver to exercise due care	20.00		20.00
Pedestrian on roadway	20.00		20.00
Blind pedestrian right of way	50.00		50.00
Pedestrian under influence-alcohol/drugs	20.00		20.00
Soliciting rides or business	20.00		20.00
Roll/skate/board restrictions	30.00		30.00
Parking Citations:			
10 minute zone	15.00		15.00
30 minute zone (1st offense)	15.00		15.00
30 minute zone (2nd offense)	25.00		25.00
30 minute zone (3rd offense)	35.00		35.00
30 minute zone (4th offense)	45.00		45.00
30 minute zone (5th offense)	55.00		55.00
60 minute zone (1st offense)	15.00		15.00
60 minute zone (2nd offense)	25.00		25.00
60 minute zone (3rd offense)	35.00		35.00
60 minute zone (4th offense)	45.00		45.00
60 minute zone (5th offense)	55.00		55.00
90 minute zone (1st offense)	15.00		15.00
90 minute zone (2nd offense)	25.00		25.00
90 minute zone (3rd offense)	35.00		35.00
90 minute zone (4th offense)	45.00		45.00
90 minute zone (5th offense)	55.00		55.00



DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Police Department			
	FEES AND CHARGES		
	2017	Proposed	
	Current	Revised	2018
Service	Base Fee	Change	Fee
Vehicle impound - towing	30.00		30.00
Vehicle storage	10.00 per day		10.00 per day
Criminal report	0.25 pp after 10 pgs + postage. After the first hour a fee of 25.00/hr to locate records and a separate fee of 25.00/hr for redacting the records. 5.00 for photo CD		0.25 pp after 10 pgs + postage. After the first hour a fee of 25.00/hr to locate records and a separate fee of 25.00/hr for redacting the records. 5.00 for
Fingerprinting	10.00/1-2 cards		10.00/1-2 cards
	15.00/3 or more cards		15.00/3 or more cards
Accident reports	2.00 officer report, 5.00 for officer's narrative, 7.00 for both, 5.00 for photo CD		2.00 officer report, 5.00 for officer's narrative, 7.00 for both, 5.00 for photo CD
Gaming permit:			
New	25.00/3 years		25.00/3 years
Renewal	20.00/3 years		20.00/3 years
Duplicate	10.00		10.00
Change organization	10.00		10.00
Raffle permit	25.00		25.00
Alarms:			
1-3 responses/yr	15.00 ea		15.00 ea
4-6 responses/yr	25.00 ea		25.00 ea
7-12 responses/yr	50.00 ea		50.00 ea
12+ responses/yr	75.00 ea		75.00 ea
Taxi drivers license:			
Application fee	15.00		15.00
New	45.00 yr		45.00 yr
Renewal	30.00 yr		30.00 yr
Duplicate	New	10.00	10.00
Impounds:			
Animal impoundment other than dogs and cats	35.00 imp fee/ 20.00 board fee		35.00 imp fee/ 20.00 board fee
Dog impoundment-unlicensed	35.00 imp fee/ 20.00 board fee		35.00 imp fee/ 20.00 board fee
Dogs under 6 mo/licensed	15.00 imp fee/20.00 board fee		15.00 imp fee/20.00 board fee
Cat impoundment			
Cats under 6 mo/licensed cats	15.00 imp fee/ 20.00 board fee		15.00 imp fee/ 20.00 board fee
Cats over 6 mo/not licensed	35.00 imp fee/ 20.00 board fee		35.00 imp fee/ 20.00 board fee
Public dance:			
One dance	10.00 filing fee		10.00 filing fee
	43.00/officer/hr		43.00/officer/hr
Annual	100.00 filing fee		100.00 filing fee
MIP & marijuana class fees	50.00/ person		50.00/ person
Shoplifting kit fees	40.00/kit		40.00/kit
Drug testing youth fees	10.00		10.00
Drug testing youth fees	5.00	0.00	test no longer available
Power source fee	25.00/person		25.00/person
Contract policing	OT rate/officer/43.00 per hr		OT rate/officer/43.00 per hr
Park policing	14,000 yearly		14,000 yearly
Dog/cat license	0.50/month spayed/neutered pet		0.50/month spayed/neutered pet
	1.50/month unaltered cat or dog		1.50/month unaltered cat or dog
	3.00 repl fees for lost license		3.00 repl fees for lost license
Permits/deer	5.00/permit issued		5.00/permit issued
Permits/turkey	5.00/permit issued		5.00/permit issued
Door-to-door replacement badge	10.00		10.00
MISD class	50.00/person		50.00/person
Cog life skills class	75.00/person		75.00/person
Truancy II	50.00/person (deposit)		50.00/person (deposit)



DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Public Health			
Service	FEES AND CHARGES		
	2017 Current Base Fee	Proposed Revised Change	2018 Fee
<b>Health services/office visits:</b>			
Nursing assessment/med fill per unit (1 unit = 15 minutes)	16.00	1.00	17.00
Blood collection - venous	5.00		5.00
Blood collection - capillary	11.00		11.00
Cholesterol screening fee (includes capillary blood collection)	28.00	2.00	30.00
Dressing change - 1 unit	16.00	1.00	17.00
Ear exam - 1 unit	16.00	1.00	17.00
Ear wash - impacted wax instrument removal unilateral (one ear)	70.00	(20.00)	50.00
Ear wash - impacted wax instrument removal bilateral (both ears)	105.00	(30.00)	75.00
Ear wash - impacted wax irrigation removal unilateral (one ear)	20.00		20.00
Ear wash - impacted wax irrigation removal bilateral (both ears)	30.00		30.00
Blood glucose screening fee (includes capillary blood collection)	16.00		16.00
Head lice screening - 1 unit	16.00	1.00	17.00
Hearing screening - 1 unit	16.00	1.00	17.00
Hemoglobin screening (includes capillary blood collection)	15.00	1.00	16.00
Injections	40.00		40.00
Foot care/assessment fee	35.00	2.00	37.00
Protime fee (includes capillary blood collection)	17.00		17.00
Pulse oximetry fee	5.00		5.00
Suture removal - 1 unit	16.00	1.00	17.00
STD screening fee	20.00		20.00
Tuberculin (TB) test (skin test)	10.00		10.00
QuantiFERON-TB gold (blood test) (includes venous blood collection)	25.00		25.00
Urinalysis (includes nursing assessment)	20.00	1.00	21.00
Vision screening - 1 unit	16.00	1.00	17.00
Lead screening	32.00	3.00	35.00
<b>Immunizations:</b>			
Flu shots	35.00		35.00
Flu mist	40.00	5.00	45.00
Flu shots high dose	45.00	15.00	60.00
VFC vaccine administration	20.00		20.00
Private vaccine	Cost of vaccine +	Cost of vaccine +	Cost of vaccine +
*cost of vaccine based on BCBSND's local public health payment schedule or the cost of the vaccine whichever is greater	administration cost of 30.00 for 1st shot, 20.00 for each additional shot at same appt.	administration based on BCBSND's local PH fee schedule	administration based on BCBSND's local PH fee schedule
<b>Dietetic Services:</b>			
Nutrition services-initial	51.00		51.00
Nutrition services-reassessment	44.00		44.00
Nutrition services-group therapy	24.00		24.00
Worksite wellness (includes time & materials)	50.00		50.00
<b>Health Tracks:</b>			
Health tracks screening	125.01		125.01
Denver pediatric screening	14.29	(4.60)	9.69
Edinburgh post-natal depression screening/PHQ-9	16.41	(11.74)	4.67
Fluoride varnish	25.82		25.82
Behavioral assessment	8.00		8.00

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Public Health (Continued)			
Service	FEES AND CHARGES		
	2017	Proposed	
	Current Base Fee	Revised Change	2018 Fee
<b>Environmental Health Division Food Service:</b>			
Food establishment - Level 1 Examples: retail food market, limited food service, bakeries, bar/tavern	Less than 5,000sq ft= 150.00 5,000 to 10,000sq ft= 175.00 More than 10,000sq ft= 200.00		Less than 5,000sq ft= 150.00 5,000 to 10,000sq ft= 175.00 More than 10,000sq ft= 200.00
Food establishment - Level 2 Examples: retail food market, limited food service, food processing, bakeries, restaurants	Less than 5,000sq ft= 250.00 5,000 to 10,000sq ft= 275.00 More than 10,000sq ft= 300.00		Less than 5,000sq ft= 250.00 5,000 to 10,000sq ft= 275.00 More than 10,000sq ft= 300.00
Food establishment - Level 3 Restaurants	Less than 5,000sq ft= 350.00 5,000 to 10,000sq ft= 375.00 10,001 to 20,000sq ft= 400.00 More than 20,000sq ft= 500.00		Less than 5,000sq ft= 350.00 5,000 to 10,000sq ft= 375.00 10,001 to 20,000sq ft= 400.00 More than 20,000sq ft= 500.00
Institutions - Type 1 (schools, childcare facilities, churches, fraternal clubs, non-profit organizations)	150.00		150.00
Institutions - Type 2 (Hospitals, assisted living/nursing homes)	250.00		250.00
Temporary food permit	75.00 annual (no proration)		75.00 annual (no proration)
Mobile food (food truck)	150.00 annual		150.00 annual
<b>Non-Food Permits:</b>			
Lodging permit (1 - 18 units)	115.00		115.00
Lodging permit (19-35 units)	145.00		145.00
Lodging permit (36-100 units)	175.00		175.00
Lodging permit (Excess of 100 units)	200.00 + 1.00/unit		200.00 + 1.00/unit
<b>Swimming pools: semi-public/public operation:</b>			
Year round pool	200.00 + 50.00 for ea additional body of water		200.00 + 50.00 for ea additional body of water
Seasonal pool	100.00 + 50.00 for ea additional body of water		100.00 + 50.00 for ea additional body of water
Year round spa/whirlpool	Considered an additional body of water 50.00		Considered an additional body of water 50.00
Seasonal spa/whirlpool	Considered an additional body of water 50.00	Eliminate	
Year round splash pad/spray ground	Considered an additional body of water 50.00	Eliminate	
Seasonal splash pad/spray ground	Considered an additional body of water 50.00	Eliminate	
Tanning permit (1-5 beds)	100.00		100.00
Tanning permit (6 + beds)	150.00		150.00
Tattoo/body art	150.00		150.00
Environmental health assessment	50.00	Change from per assessment to per hour	50.00/hr with 50.00 minimum
Special pet	75.00		75.00

*Reimbursement for public health nursing services is based on Medicaid allowable fees as well as the cost of lab fees associated with the service provided. Fees may vary depending on Medicaid reimbursement rate changes. NDCC 23-35-08 Boards of Health Powers & Duties: Except when in conflict with a local ordinance or a civil service rule within the board of health's jurisdiction, each board of health may establish by rule, a schedule of reasonable fees that may be charged for services rendered. Services may not be withheld due to inability to pay any fees established under this subsection.*

DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Airport</b>			
Service	FEES AND CHARGES		
	2017	Proposed	2018
	Current Base Fee	Revised Change	
Terminal building income:			
Conference room rental-terminal	45.00/60.00/75.00		45.00/60.00/75.00
Conference room rental-office	45.00/60.00/75.00		45.00/60.00/75.00
Security costs:			
Lost key card/badge metal key reimbursement			
First loss (\$20.00 refundable)	40.00		40.00
Second loss (no refund)	100.00		100.00
Third loss (no refund)	200.00		200.00
Repetitive security violation	250.00-500.00/incidence		250.00-500.00/incidence
Fingerprint fees	50.00		50.00
Total passenger facility charge	4.50 per passenger		4.50 per passenger
Equipment rental rates: (2 hr min for OT)			
950 loader cat (snow blower)	75.00/hr		75.00/hr
12E patrol (motor grader)	45.00/hr	30.00	75.00/hr
Skid steer	45.00/hr	30.00	75.00/hr
Clark 290/oshkosh 24 ft plow	100.00/hr		100.00/hr
Kodiak snow blower	120.00/hr		120.00/hr
Small power plant	25.00/hr		25.00/hr
644 loader (John Deere)	80.00/hr		80.00/hr
15' rotary mower with tractor	75.00/hr		75.00/hr
Daewoo 6000 lb forklift	62.00/hr	3.00	65.00/hr
Hyster forklift	62.00/hr	3.00	65.00/hr
High pressure washer/steam	18.00/hr	7.00	25.00/hr
Shop rental to contractor	50.00/hr		50.00/hr
Shop supplies	5% repair labor plus environm disp fee		5% repair labor plus environm disp fee
Welding with operator	75.00/hr		75.00/hr
Mechanics labor	75.00 hr/OT 112.50/hr		75.00 hr/OT 112.50/hr
Light plant	25.00/hr		25.00/hr
Jetway labor	100.00/hr, OT 150.00/hr		100.00/hr, OT 150.00/hr
Operator/mechanics/operations agent labor	75.00/hr, OT 112.50/hr		75.00/hr, OT 112.50/hr
Supervisor labor	85.00/hr, OT 127.50/hr		85.00/hr, OT 127.50/hr
Snow broom	200.00/hr		200.00/hr
Bucket truck (de-icer)	75.00/hr + cost of fluid and cost of fuel		75.00/hr + cost of fluid and cost of fuel
Grove 66' telescoping lift	125.00/hr plus cost of fuel or LP		125.00/hr plus cost of fuel or LP
Genie 3232 scissor lift	125.00/hr		125.00/hr
Cable locator	50.00/hr , OT 75.00/hr		50.00/hr , OT 75.00/hr
Challenger tractor with loader	75.00/hr plus cost of fuel		75.00/hr plus cost of fuel
Sander - de-icer truck (ramps, streets)	70.00/hr plus cost of fuel fluids and sand		70.00/hr plus cost of fuel fluids and sand
Tractor tug (A/C towing)	75.00/hr plus cost of fuel		75.00/hr plus cost of fuel
Belt loader	75.00/hr plus cost of fuel		75.00/hr plus cost of fuel
Office reimbursement & vending:			
NSF check charges	25.00 ea	5.00	30.00



DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Event Center			
Service	FEES AND CHARGES		
	2017	Proposed	2018
	Current Base Fee	Revised Change	
Equipment rental:			
Banner/signage labor	Prevailing rate		Prevailing rate
Barricade	800.00 per event		800.00 per event
Basketball floor-set up	700.00 per event	300.00	1,000.00 per event
Full basketball set up (shot clock, score tables, hoops, medical tent)	New	1,500.00	1,500.00
Booths	70.00 ea meeting rms/lobby		
Booths	70.00 ea exhibit/arena		
Booths w/out pipe and drape	New	25.00	25.00
Box office ticket master	4% vs cap up to 2,500.00 & debit card charges		4% vs cap up to 2,500.00 & debit card charges
Ticket sellers-day of show	Prevailing rate		Prevailing rate
Broadway curtains	Up to 1,500.00		Up to 1,500.00
Broadway portal	Up to 750.00		Up to 750.00
Bulk space	0.20 per square feet		0.20 per square feet
Carpet	35.00 ea booth		35.00 ea booth
	0.40 per square feet		0.40 per square feet
Catering fee - list of approved caterers provided	17% of billed amount		17% of billed amount
Catering by civic center	Per menu provided on request		Per menu provided on request
Catering - liquor	Provided by exclus liq caterer		Provided by exclus liq caterer
Clean up fee	Up to 1,000.00 per day		Up to 1,000.00 per day
Closing Bowen avenue	275.00 per event		275.00 per event
Copies	0.25 bl/white & 1.00 color		0.25 bl/white & 1.00 color
Draping	1.75 per foot		1.75 per foot
Drawing barrel	20.00		20.00
Electrical charge buy out of arena or exhibit hall	Up to 2,500.00		Up to 2,500.00
Electrical power	15.00/110 v		15.00/110 v
Trade shows/booth power	30.00/220 v		30.00/220 v
Electrical-parking lots			
MDU meter fee	Prevailing rate		Prevailing rate
Power use fee	Prevailing rate		Prevailing rate
Facility fee:			
Tickets priced over 20.00	2.00 all tickets		2.00 all tickets
Tickets priced 19.99 thru 10.00	1.50 all tickets		1.50 all tickets
Tickets priced under 9.99 thru 5.00	1.00 all tickets		1.00 all tickets
Tickets priced under 5.00 to 0	0.50 all tickets		0.50 all tickets
Trade show/non profit admissions	0.25 per ticket		0.25 per ticket
High school activities/NDHSAA	0.50/session or		0.50/session or
	1.00 per day pass		1.00 per day pass
Faxes	2.00 per page		2.00 per page
Forklift/includes operator	60.00 per hour		60.00 per hour
	350.00 per 8 hours		350.00 per 8 hours
Flipchart	18.00 each		18.00 each
Genie lift	100.00 per day		100.00 per day
Gaffers tape	30.00 per roll		30.00 per roll
Internet:			
Secure hardline	Up to 100.00 per event		Up to 100.00 per event
25 unique codes	Up to 100.00 per day		Up to 100.00 per day
10 unique codes	30.00 per day		30.00 per day
1 unique code	5.00 per day		5.00 per day
Meeting room buyout	Up to 250.00 per event		Up to 250.00 per event
Arena/exhibit hall buyout	Up to 1,000.00 per event		Up to 1,000.00 per event
Lighting truss	700.00 + set up		700.00 + set up

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Event Center (Continued)			
Service	FEES AND CHARGES		
	2017	Proposed	2018
	Current Base Fee	Revised Change	
Lighting truss-operator	Prevailing rate		Prevailing rate
Marker board	25.00 ea		25.00 ea
Microphones	35.00 ea regular		35.00 ea regular
(1 regular microphone free with room)	35.00 ea wireless headset		35.00 ea wireless headset
	35.00 ea lavalier		35.00 ea lavalier
	35.00 ea wireless handheld		35.00 ea wireless handheld
Novelties - in house	Up to 30% soft & up to 10% music		Up to 30% soft & up to 10% music
Paid parking per vehicle for lot B & E	5.00 per space per day		5.00 per space per day
Paid parking per vehicle for lot C & D	5.00 per space per day		5.00 per space per day
Parking attendant	Prevailing rate		Prevailing rate
Phones	100.00 per phone		100.00 per phone
Piano (tuning extra)	50.00		50.00
Portable sink set-up/down	75.00 per event	0.00	No longer in our inventory
Prairie rose av package	125.00 per room/day		
Projector screen-12'x12' or 12'x9'	50.00 per event	25.00	75.00
Projector screen-smaller sizes	25.00 per event	10.00	35.00
Registr tables-tall w/skirt & cover	55.00 each		55.00 each
Reset charge	275.00	(75.00)	200.00/hr min charge 1 hr
Room refresh charge	110.00	(10.00)	100.00/hr min charge 1 hr
Risers - stage	1.25 square foot		1.25 square foot
Risers for seating	250.00 per 75 chairs		250.00 per 75 chairs
Scoreboard:	Mid level 150.00/hr		Mid level 150.00/hr
	Full prod 250.00/hr		Full prod 250.00/hr
	Recording fee-50.00		Recording fee-50.00
Service fee	Up to 10% fee added to outside rented equipment		Up to 10% fee added to outside rented equipment
Skirting-vinyl	15.00 ea		15.00 ea
Skirting-cloth	29.00 ea		29.00 ea
Skirting/tablecover vinyl/paper	21.00 ea		21.00 ea
Skirting/tablecover cloth	43.00 ea		43.00 ea
Sound:			
Mini portable setup/no mixer	50.00/1 microphone		50.00/1 microphone
Portable setup	125.00/1 microphone		125.00/1 microphone
Arena or exhibit hall	Included in rent		Included in rent
Mixer board:	50.00 flat fee		50.00 flat fee
Sound tech	Prevailing rate		Prevailing rate
Monitors	35.00 per event		35.00 per event
Spotlights-lycian 1290 xlt w/clr com	175.00 per performance		175.00 per performance
Spotlights-fixed spots	25.00 per light		25.00 per light
Staging w/backdrop & side curtain	1.25 per square foot		1.25 per square foot
Tables:			
4x30,6x30,8x30 5x18, 8x18 or 5' round	7.00 ea	1.00	8.00 ea
36 x 36 high top tables	25.00 ea		25.00 ea
High chairs	5.00 ea		5.00 ea
	Right to charge for additional tables outside of initial setup		Right to charge for additional tables outside of initial setup
Tables covers	6.00 ea vinyl/paper		6.00 ea vinyl/paper
	10.00 ea cloth		10.00 ea cloth
Towels - hand	1.50 ea	0.50	2.00 ea
Towels - bath	2.00 ea	1.00	3.00 ea

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Event Center (Continued)			
Service	FEES AND CHARGES		
	2017	Proposed	2018
	Current Base Fee	Revised Change	
Water usage fee	5.00 per unit		5.00 per unit
Arena + all arena meeting rooms	Up to 5,000.00		Up to 5,000.00
Arena only	Up to 3,500.00		Up to 3,500.00
Entire building (arena, exhibit hall and all meeting rooms)	Up to 10,000.00 per day		Up to 10,000.00 per day
Arena stage shows vs 12% gross	10% vs cap up to 5,000.00		10% vs cap up to 5,000.00
Ticketed events	10% vs cap up to 7,500.00		10% vs cap up to 7,500.00
Theatre set - with carpet	+500.00		+500.00
Meeting room rentals:			
Aspen room-(45 capacity)	Up to 300.00 per day		Up to 300.00 per day
Birch room-(80 capacity)	Up to 300.00 per day		Up to 300.00 per day
Cottonwood room-(80 capacity)	Up to 300.00 per day		Up to 300.00 per day
Linden room-(80 capacity)	Up to 300.00 per day		Up to 300.00 per day
Maple room-(80 capacity)	Up to 300.00 per day		Up to 300.00 per day
Oak room-(80 capacity)	Up to 300.00 per day		Up to 300.00 per day
Pine room-(80 capacity)	Up to 300.00 per day		Up to 300.00 per day
Spruce room-(80 capacity)	Up to 300.00 per day		Up to 300.00 per day
Murdoch room-(100 capacity)	Up to 300.00 per day		Up to 300.00 per day
Karlgard room-(75 capacity)	Up to 300.00 per day		Up to 300.00 per day
Missouri room-(50 capacity)	Up to 300.00 per day		Up to 300.00 per day
Bay area	250.00 per day		250.00 per day
Local school graduation/music/play	Up to 3,500.00 per day		Up to 3,500.00 per day
Basketball (games & trnys)/2 gms	Up to 3,500.00 per day		Up to 3,500.00 per day
Additional games	250.00 per game		250.00 per game
Other sporting events (wrestling)	Up to 3,500.00 per day		Up to 3,500.00 per day
Exhibit hall-conv/trade show/exhibit	12% of gross with gate chgs		12% of gross with gate chgs
Exhibit hall (all 4 halls) & meeting rooms	Up to 12,500.00 per day		Up to 12,500.00 per day
Meeting room + two halls	Up to 7,500.00 per day		Up to 7,500.00 per day
Exhibit hall A only	Up to 3,000.00 per day		Up to 3,000.00 per day
Exhibit hall B only	Up to 3,000.00 per day		Up to 3,000.00 per day
Exhibit hall A & B	Up to 5,000.00 per day		Up to 5,000.00 per day
Exhibit hall C only	Up to 2,500.00 per day		Up to 2,500.00 per day
Exhibit hall D only	Up to 3,000.00 per day		Up to 3,000.00 per day
Stage shows vs 12% gross received	10% vs cap up to 5,000.00		10% vs cap up to 5,000.00
Exhibit hall meeting rooms			
Prairie rose #101	Up to 500.00 per day		Up to 500.00 per day
Prairie rose #102	Up to 500.00 per day		Up to 500.00 per day
Prairie rose #103	Up to 500.00 per day		Up to 500.00 per day
Prairie rose #104	Up to 500.00 per day		Up to 500.00 per day
Prairie rose #105	Up to 500.00 per day		Up to 500.00 per day
Prairie rose #106	200.00weekday/250.00weekend		200.00weekday/250.00weekend
Upper & lower lobby areas ex hall	225.00 per day		225.00 per day
Move-in/move-out (4 hrs min chg)	50% of contracted rent		50% of contracted rent
Parking lot C - outdoor event	Up to 1000.00 per day		Up to 1000.00 per day
Parking lot D - outdoor event	Up to 1000.00 per day		Up to 1000.00 per day
Practice - music/athletics	60.00 per hour 8am-5pm 75.00 per hour 5pm/9pm		60.00 per hour 8am-5pm 75.00 per hour 5pm/9pm
Rodeo/ice shows/religious events	10% vs cap up to 3,500.00		10% vs cap up to 3,500.00
Setup/take down fee - per event	Up to 2,500.00 per day		Up to 2,500.00 per day
Exhibitor services prices:			
Additional tables	8.00		8.00
Exchange of tables	8.00		8.00



DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Belle Mehus			
	FEES AND CHARGES		
	2017	Proposed	
	Current	Revised	2018
Service	Base Fee	Change	Fee
Commercial events/shows	Up to 2,500.00		Up to 2,500.00
Per performance non profit (Basic rental) for 8 hrs	480.00 per day	Increase by 120.00, change wording to Up to	Up to 600.00 per day
	Add'l performance on same day		Add'l performance on same day
	50% of highest grossing perf		50% of highest grossing perf
Local events	Up to 850.00 per day		Up to 850.00 per day
Out of state events	Up to 850.00 per day		Up to 850.00 per day
Lecture demo in conj with public perf	125.00 ea		125.00 ea
Electrical demand			
Rehearsal/practice	50.00 per hour		50.00 per hour
Local performing arts	35.00 hr scheduled		35.00 hr scheduled
	50.00 unscheduled		50.00 unscheduled
	or over run time		or over run time
Catering fee (List of approved caterers provided)	17%		17%
BCC catering	Per menu provided on request		Per menu provided on request
Cleanup fee	Up to 1000.00		Up to 1000.00
Conductor room (w auditorium rental)	50.00		50.00
Conductor room	120.00		120.00
Atrium upper/lower	165.00		165.00
Equipment rental: Belle Mehus			
Chairs	Included in rent		Included in rent
Clear com	Included in rent		Included in rent
Facility fee:			
Tickets priced over 20.00	2.00 all tickets		2.00 all tickets
Tickets priced 19.99 thru 10.00	1.50 all tickets		1.50 all tickets
Tickets priced under 9.99 thru 5.00	1.00 all tickets		1.00 all tickets
Tickets priced under 5.00 to 0	0.50 all tickets		0.50 all tickets
Trade show/non profit admissions	0.25 per ticket		0.25 per ticket
High school activities/NDHSAA	0.50/session or		0.50/session or
Fixed spots	12.50 ea	12.5	25.00 each
	16 lights included in base rent	increase by 4	20 lights included in base rent
Small Light Package	New	20 Additional lights	400.00
Medium Light Package	New	50 Additional lights	1,000.00
Full Light Package	New	Up to 104 Additional Lights	2,080.00
Ladders	2-10' included in rent	2-8'	2-8' included in rent
Liquor catering	Provided by exclusive liquor caterer		Provided by exclusive liquor caterer
Microphones - additional	35.00		35.00



DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Public Works-Service Operations</b>			
	<b>FEES AND CHARGES</b>		
	2017 Current Base Fee	Proposed Revised Change	2018 Fee
<b>Forestry:</b>			
Tree trimmers license	75.00		75.00
Arborist certification test	75.00		75.00
Private property technical svc	50.00/hr		50.00/hr
Firewood sales	10.00 per ton		10.00 per ton
Forestry wood chipper mulch single grind	0.024/lb or 8.00/cy		0.024/lb or 8.00/cy
Forestry wood chipper mulch single grind	0.02/lb or 6.70/cy		0.02/lb or 6.70/cy
Bulk (over 1 ton)	or 40.00/ton		or 40.00/ton
Saw logs	45.00/1,000 board ft		45.00/1,000 board ft
Aerial lift truck w/chipper body	28.00		28.00
Log truck w/crane	40.00/hr		40.00/hr
Wood chipper-bandit	18.00/hr		18.00/hr
Chipper truck	20.00/hr		20.00/hr
Stump router	25.00/hr		25.00/hr
Fee - site plan review	75.00		75.00
Fee - adm service fee (weed cutting)	40.00		40.00
<b>Roads &amp; Streets:</b>			
Asphalt repair	9.77 sq ft/minimum charge of 69.00		9.77 sq ft/minimum charge of 69.00
<b>Equipment rental:</b>			
Compact pickup	0.33/mile		0.33/mile
1/2 ton pickup	0.36/mile		0.36/mile
3/4 ton pickup	0.33/mile		0.33/mile
1 ton pickup	0.89/mile		0.89/mile
Tandem axle dump truck	30.00/hr		30.00/hr
Tandem axle dump truck w/sander & plow	50.00/hr		50.00/hr
Tandem axle dump truck w/sander	40.00/hr		40.00/hr
Single axle dump truck	25.00/hr		25.00/hr
Single axle dump truck w/sander	35.00/hr		35.00/hr
Single axle dump truck w/sander & plow	45.00/hr		45.00/hr
Motor grader	55.00/hr		55.00/hr
Front end loader w/bucket	45.00/hr		45.00/hr
Front end loader w/snow plow	55.00/hr		55.00/hr
Front end loader w/8 ft snow blower	88.00/hr		88.00/hr
Skid steer w/bucket	30.00/hr		30.00/hr
Asphalt saw w/skid steer	60.00/hr		60.00/hr
Snow blower w/skid steer	60.00/hr		60.00/hr
Utility trailer	3.47/hr		3.47/hr
Sweeper	60.00/hr		60.00/hr
Paver	40.00/hr		40.00/hr
Roller (small)	20.00/hr		20.00/hr
Roller (large)	32.00/hr		32.00/hr
Air compressor	13.00/hr		13.00/hr
Disc	35.00/hr		35.00/hr
Self propelled broom 8 ft	30.00/hr		30.00/hr
Service truck	30.00/hr		30.00/hr
Chip spreader	77.00/hr		77.00/hr
Oil distributor	75.00/hr		75.00/hr
Truck-mounted generator	20.00/hr		20.00/hr
Backhoe	40.00/hr		40.00/hr
Mower w/tractor 72" and below	25.00/hr		25.00/hr

DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Public Works-Service Operations (Continued)</b>			
	<b>FEES AND CHARGES</b>		
	2017 Current Base Fee	Proposed Revised Change	2018 Fee
Broom w/tractor 60" and below	25.00/hr		25.00/hr
Snow Blower w/tractor 48" and below	25.00/hr		25.00/hr
Generator 4000kw & less	2.50/hr		2.50/hr
Generator 4001kw & more	21.00/hr		21.00/hr
Loop saw	14.00/hr		14.00/hr
Barricades	1.16/day/barricade		1.16/day/barricade
Paint striper	5.00/hr		5.00/hr
Concrete saw	14.00/hr		14.00/hr
Aerial lift truck	32.00/hr		32.00/hr
Farm tractor w/mower	35.00/hr		35.00/hr
*Plus labor - average costs of department payroll			
Infrastructure damage claim requests will include replacement costs of infrastructure plus labor			
<b>Street Lights:</b>			
Residential w/lights	7.43	0.07	7.50
Residential w/o lights	1.83	0.02	1.85
Rental units - apartments	7.43/1.83	0.07/0.02	7.50/1.85
Commercial - other	11.08/5.67	0.11/0.06	11.19/5.73
*Plus labor - average costs of department payroll			
Infrastructure damage claim requests will include replacement costs of infrastructure plus labor			
<b>Solid Waste:</b>			
Commercial/non-resident with scale installation			
Special fees:			
Furniture and major appliances-resident	5.00 ea		5.00 ea
Furniture and major appliances-non-resident	7.00 ea		7.00 ea
Refrigerated appliances-resident	18.00 ea		18.00 ea
Refrigerated appliances-non-resident	20.00 ea		20.00 ea
Tires:			
14" to 15"	2.00 ea		2.00 ea
16"	2.75 ea		2.75 ea
over 16"	6.00 ea		6.00 ea
Used engine oil - no charge			
Car body-resident	25.00 ea		
Car body-non-resident	30.00 ea		
Trailer homes-resident	65.00 ea		
Trailer homes-non-resident	65.00 ea		
Boat	New	25.00	25.00
Entry shed- Site 1	New	65.00	65.00
Entry shed- Site 4	New	25.00	25.00
Large animals-resident	10.00 ea	Eliminate Fee	
Large animals-non-resident	15.00 ea		
Small animals-resident	2.00 ea		
Small animals-non-resident	4.00 ea		
Vehicle weighing/other scale usage-resident	10.00 ea		
Vehicle weighing/other scale usage-non-resident	15.00 ea		
Vehicle weighing/other scale usage-commercial	15.00 ea		
Loading fee for compost or wood chips	65.00 ea		
Asphalt millings per ton, minimum of 12 ton	6.00		
Crushed asphalt per ton, minimum of 12 ton	6.00		
Fluorescent lamps less than 4 ft in length	0.35	(0.10)	0.25
Fluorescent lamps 4 ft and over in length	0.45	(0.04)	0.41
U-shaped and circular fluorescent lamps	0.50	(0.09)	0.41

DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Public Works-Service Operations (Continued)</b>			
	<b>FEES AND CHARGES</b>		
	<b>2017 Current Base Fee</b>	<b>Proposed Revised Change</b>	<b>2018 Fee</b>
High intensity discharge lamps	1.20	(0.30)	0.90
Compact fluorescent lamps with ballasts	0.50	(0.09)	0.41
PCB ballasts	0.85	0.05	0.90
PCB capacitor	3.25	(2.10)	1.15
Unstable reactive/pound	0.58	0.42	1.00
Waste reactive/pound	0.50	6.00	6.50
Oxidizers (Class I & II)/pound	0.52	0.98	1.50
Organic peroxides (Class I)/pound	0.52	2.98	3.50
Flammables (including solvent, aerosol)/pound	0.87	0.63	1.50
Flammables (oil-based paint/stain)/gallon	1.15	3.45	4.60
Corrosives/pound	0.87	0.63	1.50
Toxics/pound	0.87	0.63	1.50
Paint (water based)/gal	0.80/gal	1.82/gal	2.62/gal
Unknowns (liquid/solid)/pound	0.58	2.92	3.50
Electronics/pound	0.07	0.12	0.19
Collection fees:			
Residential-96 gallon container	13.00mo ea		13.00mo ea
	0.40 disposal		0.40 disposal
	1.14 recycling		1.14 recycling
Commercial water accounts - landfill fee	2.00 disposal		2.00 disposal
Recycling	4.07 recycling	0.16	4.23
Dumpsters - 1X	1 cu yd-47.28		1 cu yd-47.28
	1.5 cu yd-50.55		1.5 cu yd-50.55
	2 cu yd-53.91		2 cu yd-53.91
	3 cu yd-60.46		3 cu yd-60.46
	4 cu yd-67.00		4 cu yd-67.00
	6 cu yd-80.27		6 cu yd-80.27
	8 cu yd-93.45		8 cu yd-93.45
Dumpsters - 2X	1 cu yd-79.23		1 cu yd-79.23
	1.5 cu yd-85.85		1.5 cu yd-85.85
	2 cu yd-92.41		2 cu yd-92.41
	3 cu yd-105.66		3 cu yd-105.66
	4 cu yd-117.97		4 cu yd-117.97
	6 cu yd-145.20		6 cu yd-145.20
	8 cu yd-171.63		8 cu yd-171.63
Dumpsters - 3X	1 cu yd-133.06		1 cu yd-133.06
	1.5 cu yd-145.92		1.5 cu yd-145.92
	2 cu yd-157.98		2 cu yd-157.98
	3 cu yd-184.90		3 cu yd-184.90
	4 cu yd-207.58		4 cu yd-207.58
	6 cu yd-262.76		6 cu yd-262.76
	8 cu yd-315.80		8 cu yd-315.80
Disposal fees:	24.00/tn inert pit	1.50	25.50
Subtitle D pit	45.00 ton MSW		45.00 ton MSW
	15.00 tn/clean wood and tree debris	1.00	16.00 tn/clean wood and tree debris
Landfill commercial account:			
Inspections landfill site surcharge	2.00		2.00
Set up fee	10.00		10.00
Minimum monthly charge	5.00		5.00



DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Public Works-Utility Operations</b>			
	<b>FEES AND CHARGES</b>		
	2017	Proposed	
	Current	Revised	2018
Service	Base Fee	Change	Fee
<b>Monthly water rates: (Base to support infrastructure)</b>			
Base property parcel within city limits- no structure	New	3.00	3.00
Base property parcel within city limits- with structure	New	5.00	5.00
Base rate	5.70	Eliminate, fee now based on meter size	see split below
Base rate single family 5/8" meter	New	5.75	5.75
Base rate single family 3/4" meter	New	6.50	6.50
Base rate single family 1" meter	New	7.50	7.50
Commercial demand charge per inch of meter size > 1"	10.00	Eliminate, fee now included in base	see split below
Base rate 1.5" meter	New	18.00	18.00
Base rate 2" meter	New	25.00	25.00
Base rate 3" meter	New	35.00	35.00
Base rate 4" meter	New	50.00	50.00
Base rate 6" meter	New	100.00	100.00
Base rate 8" meter	New	150.00	150.00
Base rate 10" meter	New	200.00	200.00
Multifamily first unit	5.70	Eliminate, fee now included in base	
Multifamily per additional living unit	0.50	New description cost per Living Unit (beyond 1) +2.50	Cost per Living Unit (beyond 1) 3.00
Surcharge for curb stop repairs, residential	2.00	New description Single family & total living units 4 or less	New description Single family & total living units 4 or less 2.00
<b>Water usage rate (per 100 cubic feet)</b>			
Rate per 100 cubic feet, 0-400 cu ft	2.29	Fee revised	new charge below
Rate per 100 cubic feet, over 400 cu ft	2.90	Fee revised	new charge below
Usage 0-200 cu ft added to base	New	2.25	2.25
Usage 300-600 cu ft added to base	New	2.60	2.60
Usage 700 cu ft and above added to base	New	700 cu ft and above added to base 3.00	Usage 700 cu ft and above added to base 3.00
Lawn rates	2.90	0.10	3.00
<b>Monthly sewer rates: base to support infrastructure</b>			
Base property parcel within city limits- no structure	New	4.50	4.50
Base property parcel within city limits- with structure	New	9.00	9.00
Base rate	9.88	Eliminate, fee now based on meter size	see split below
Base rate single family 5/8" meter	New	9.60	9.60
Base rate single family 3/4" meter	New	9.80	9.80
Base rate single family 1" meter	New	10.00	10.00
Base rate 1.5" meter	New	15.00	15.00
Base rate 2" meter	New	25.00	25.00
Base rate 3"-10" meter	New	30.00	30.00
Cost per Living Unit (beyond 1) added to base	New	4.50	4.50
<b>Sewer usage rate per 100 cubic feet</b>			
Rate per 100 cubic feet, 0-400 cu ft	2.41	Fee revised	new charge below
Rate per 100 cubic feet, over 400 cu ft	2.92	Fee revised	new charge below
Usage 0-200 cu ft added to base	New	2.45	2.45
Usage 300 cu ft and above added to base	New	3.00	3.00
Surcharge for backup coverage, residential	0.45	change description from residential to single family	Surcharge backup coverage, add to single family base 0.45

DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Public Works-Utility Operations (Continued)</b>			
	<b>FEES AND CHARGES</b>		
	2017	Proposed	
	Current	Revised	2018
Service	Base Fee	Change	Fee
Surcharge for backup coverage, commercial	0.90	change description from commercial to non-single family	Surcharge backup coverage, add to non single family base 0.90
<b>Monthly stormwater rates:</b>			
Storm sewer operation and maintenance:			
Resident	2.42	Eliminate, split by square footage	see split below
Single family < 8,000 assessed square footage (ASF)	New	2.40	2.40
Single family 8,001-16,000 ASF	New	2.70	2.70
Single family over 16.001 ASF	New	3.00	3.00
Commercial per 10,000 sq ft of lot	4.84	Eliminate	
Multifamily-first unit	2.42	Eliminate	
ea additional unit	0.49	Eliminate	
Non single family per 1,000 ISF* *Impervious (hard surface) square footage minimum charge set same as single family <8,000ASF	New	0.48	0.48
Monthly surcharge unannexed area:			
Resident	1.25	Change description to single family +0.70	Change description to single family 1.95
Commercial per 10,000 sq ft of lot	1.25	Eliminate	
Multifamily-first unit	1.25	Eliminate	
ea additional unit	0.25	Eliminate	
Non single family per 1,000 ASF, minimum charge set at single family rate	New	0.195	0.195
Water trunk line fee - special assessment			
Base rate, residential single family	525.00	Eliminate, combine water & sewer into one fee	new fee below
Duplex zoning < 10,000 square feet	525.00	Eliminate	
Duplex zoning >10,000 & < 20,000 sq ft	1,050.00	Eliminate	
Duplex or higher zoning & >20,000 sq ft per 10,000 sq ft	525.00	Eliminate	
Sanitary sewer trunk line fee-special assessment			
Base rate, residential single family	525.00	Eliminate, combine water & sewer into one fee	new fee below
Duplex zoning < 10,000 square feet	525.00	Eliminate	
Duplex zoning >10,000 & < 20,000 sq ft	1,050.00	Eliminate	
Duplex or higher zoning & >20,000 sq ft per 10,000 sq ft	525.00	Eliminate	
<b>One time regional trunk infrastructure fee:</b>			
Special assessment at time of annexation (or at first service if annexed prior to January 2018). All property rate per 1,000 ASF. Minimum charge set at 10,000 ASF			
	New	300.00	300.00
<b>Wastewater:</b>			
Surcharge industrial user high strength (over 250mg/L)			
Per 1,000 lbs BOD	129.00	16.00	135.00
Per 1,000 lbs SS	129.00	16.00	135.00
Non sewer waste hauled to system per 1,000 gallons	60.00	5.00	65.00

DEPARTMENTAL FEES AND CHARGES

<b>DEPARTMENT: Public Works-Utility Operations (Continued)</b>			
Service	FEES AND CHARGES		
	2017	Proposed	
	Current	Revised	2018
	Base Fee	Change	Fee
Class 1 food service establishment grease control monthly surcharge*	New	100.00 per month until resolved	100.00 per month until resolved
*Utility will not accept backup claims for industry with inadequate grease control. Backup surcharge will be removed & grease surcharge will be in effect until issue resolved.			
<b>Water:</b>			
Reinstatement service fee (Mon-Fri 8am-4pm)	55.00	20.00	75.00
Reinstatement service fee (after hours)	110.00	40.00	150.00
Water service calls - connect/disconnect			
Next day service	17.00	3.00	20.00
Same day service	24.00	6.00	30.00
Non sufficient funds	25.00	5.00	30.00
Install/remove lawn meters	48.00	2.00	50.00
Customer requested meter check due to disputed meter reading, waived if equipment failure identified	New	50.00	50.00
Repair frozen meters (per hour plus materials)	46.00	4.00	50.00
Hydrant hookups	47.00	3.00	50.00
Sale of water from hydrant hookup (per gallon)	0.006		0.006
Hydrant meter rental (3-inch meter) per day	5.25	0.10	5.35
Hydrant meter rental (5/8-inch meter) per day	1.10	0.05	1.15
Bulk water sale minimum fee	New	5.00	5.00
Bulk water sales to fill tanks per gallon	0.007		0.007
Minimum monthly charge (bulk water)	6.00	Eliminate	
<b>Testing</b>			
Dairy product testing:			
Coliform test	20.00		20.00
Standard plate count	17.00		17.00
Swimming pool testing	22.00		22.00
<b>Meter sales w/installation:</b>			
3/4" - 1" meters (plus 125% of meter & ERT cost)	42.00	Combine categories 3/4"-2" meter +8.00	3/4"-2" meters (plus 125% of meter & ERT cost) 50.00
1 1/2" to 2" meters (plus 125% of meter & ERT cost)	42.00	Eliminate	
3" to 6" meters (plus 125% of meter & ERT cost)	72.00	2.00	74.00
<b>Taps up to 1"</b>			
1 1/2" tap	65.00		65.00
2" tap	104.00	1.00	105.00
3" tap (plus labor & materials)	89.00	Fee revised	new charge below
4" tap (plus labor & materials)	115.00	Fee revised	new charge below
6" tap (plus labor & materials)	189.00	Fee revised	new charge below
8" tap (plus labor & materials)	236.00	Fee revised	new charge below
10" tap (plus labor & materials)	315.00	Fee revised	new charge below
12" tap (plus labor & materials)	368.00	Fee revised	new charge below
<b>Sewer Taps</b>			
4" (plus labor & materials)	48.00	Fee revised	new charge below
6" (plus labor & materials)	72.60	Fee revised	new charge below
8" (plus labor & materials)	119.00	Fee revised	new charge below
10" (plus labor & materials)	180.00	Fee revised	new charge below
12" (plus labor & materials)	286.00	Fee revised	new charge below



# **5 Year Capital Improvement Program**

## **Section 2**

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
**FUND SOURCE SUMMARY**

FUNDING SOURCE	DEPARTMENT	2018	2019	2020	2021	2022	TOTAL
Airport Fund	Airport	215,000	63,500	2,517,500	700,000	220,000	3,716,000
Building Construction ***	Administration	741,000	-	-	-	-	741,000
	Public Health	-	-	-	60,000	321,000	381,000
	** PW Building Maintenance	94,500	92,400	380,000	6,259,500	16,750,000	23,576,400
	** Fire Department	476,050	365,000	-	-	-	841,050
	** Library	1,567,423	1,142,000	-	-	-	2,709,423
	** Police	447,875	7,390,750	267,000	-	-	8,105,625
FAA Grant	Airport	14,070,000	13,143,000	11,115,000	12,600,000	3,960,000	54,888,000
Federal Grant	Street and Highway Imp	945,000	1,260,000	-	-	-	2,205,000
Food & Beverage Tax ***	Event Center	18,373,250	41,480,000	25,363,100	100,000	-	85,316,350
Other City Funds ***	Administration-Equipment Reserve/911 Tax	30,000	-	5,560,508	-	-	5,590,508
	Airport-General Fund	9,859,028	1,817,007	-	-	-	11,676,035
	Airport-Revenue Bonds	6,684,251	-	-	-	-	6,684,251
	** Event Center-Donations	57,000	-	-	-	-	57,000
	** Fire	TBD	-	-	-	-	-
	Reauthorize Sales Tax from Highway Cons	1,760,000	-	-	-	-	1,760,000
	* Roads & Streets	TBD	-	-	-	-	-
	* Solid Waste	TBD	-	-	-	-	-
	Special Deficiency-Street & Highway	270,000	480,000	280,000	200,000	210,000	1,440,000
	Sanitary Sewers-Private/Donations	1,705,000	-	-	726,000	-	2,431,000
	Water Distribution-Private/Donations	1,062,600	748,000	1,655,000	577,500	-	4,043,100
Sales Tax **	Street and Highway Imp	8,255,032	9,682,598	10,880,682	18,643,928	17,795,940	65,258,180
Solid Waste	Solid Waste	-	-	-	-	-	-
Special Assessment	Storm Sewer	-	-	-	-	-	-
	Street and Highway Imp	11,384,300	13,226,150	14,097,450	14,163,800	14,497,000	67,368,700
State Grant	Airport	1,617,277	790,710	617,500	700,000	220,000	3,945,487
Street Light Reserves	Street Light Utility	532,505	608,654	568,027	567,683	509,287	2,786,156
Utility Operations	Sanitary Sewers	1,101,000	5,220,000	7,889,000	3,160,000	1,160,000	18,530,000
	Storm Water	1,575,000	313,579	307,831	291,385	2,883,747	5,371,542
	Wastewater Treatment Plant	720,000	2,565,000	2,300,000	2,200,000	2,200,000	9,985,000
	Water Administration	228,000	-	757,000	6,740,000	10,175,000	17,900,000
	Water Distribution	3,441,000	5,494,600	8,362,400	3,484,000	5,613,000	26,395,000
	Water Treatment Plant	427,500	300,000	940,000	75,000	-	1,742,500
<b>TOTAL</b>		<b>87,639,591</b>	<b>106,182,948</b>	<b>93,857,998</b>	<b>71,248,796</b>	<b>76,514,974</b>	<b>435,444,307</b>

Airport	3,716,000	Other City Funds	33,681,894	Street Light Utility	2,786,156
Building Construction	36,354,498	Sales Tax	65,258,180	Utility Operations	79,924,042
FAA Grant	54,888,000	Solid Waste	-		
Federal Grant	2,205,000	Special Assessments	67,368,700		
Food and Beverage Tax	85,316,350	State Grant	3,945,487		

**\*To Be Determined**

**\*\*Requested but not all Approved by the Commission.**

**\*\*\*Requested but not Approved by the Commission.**

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**

**DEPARTMENT COSTS BY YEAR**

DEPARTMENT			2018	2019	2020	2021	2022	TOTAL
Administration	Total Cost	***	771,000	-	5,560,508	-	-	6,331,508
	Less Non City		-	-	-	-	-	-
	Total City Cost		771,000	-	5,560,508	-	-	6,331,508
Airport	Total Cost		32,445,556	15,814,217	14,250,000	14,000,000	4,400,000	80,909,773
	Less Non City		15,687,277	13,933,710	11,732,500	13,300,000	4,180,000	58,833,487
	Total City Cost		16,758,279	1,880,507	2,517,500	700,000	220,000	22,076,286
Event Center	Total Cost	**	18,430,250	41,480,000	25,363,100	100,000	-	85,373,350
	Less Non City	***	57,000	-	-	-	-	57,000
	Total City Cost		18,373,250	41,480,000	25,363,100	100,000	-	85,316,350
Fire Department	Total Cost	**	476,050	365,000	-	-	-	841,050
	Less Non City		-	-	-	-	-	-
	Total City Cost		476,050	365,000	-	-	-	841,050
Library	Total Cost	**	1,567,423	1,142,000	-	-	-	2,709,423
	Less Non City		-	-	-	-	-	-
	Total City Cost		1,567,423	1,142,000	-	-	-	2,709,423
Police	Total Cost	**	447,875	7,390,750	267,000	-	-	8,105,625
	Less Non City		-	-	-	-	-	-
	Total City Cost		447,875	7,390,750	267,000	-	-	8,105,625
Public Health	Total Cost		-	-	-	60,000	321,000	381,000
	Less Non City		-	-	-	-	-	-
	Total City Cost		-	-	-	60,000	321,000	381,000
PW-Building Maintenance	Total Cost	**	94,500	92,400	380,000	6,259,500	16,750,000	23,576,400
	Less Non City		-	-	-	-	-	-
	Total City Cost		94,500	92,400	380,000	6,259,500	16,750,000	23,576,400
Roads & Streets	Total Cost	*	TBD	-	-	-	-	TBD
	Less Non City		-	-	-	-	-	-
	Total City Cost		TBD	-	-	-	-	TBD
Solid Waste	Total Cost	*	TBD	-	-	-	-	TBD
	Less Non City		-	-	-	-	-	-
	Total City Cost		TBD	-	-	-	-	TBD
Street Light Utility	Total Cost		532,505	608,654	568,027	567,683	509,287	2,786,156
	Less Non City		-	-	-	-	-	-
	Total City Cost		532,505	608,654	568,027	567,683	509,287	2,786,156
Streets and Highways Improvements	Total Cost	**	22,614,332	24,648,748	25,258,132	33,007,728	32,502,940	138,031,880
	Less Non City		945,000	1,260,000	-	-	-	2,205,000
	Total City Cost		21,669,332	23,388,748	25,258,132	33,007,728	32,502,940	135,826,880

\*To Be Determined

\*\*Requested but not all Approved by the Commission

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**

**DEPARTMENT COSTS BY YEAR**

DEPARTMENT		2018	2019	2020	2021	2022	TOTAL
*** Requested but not Approved by the Commission.							
Water Administration	Total Cost	228,000	-	757,000	6,740,000	10,175,000	17,900,000
	Less Non City	-	-	-	-	-	-
	Total City Cost	228,000	-	757,000	6,740,000	10,175,000	17,900,000
Sanitary Sewers	Total Cost	2,806,000	5,220,000	7,889,000	3,886,000	1,160,000	20,961,000
	Less Non City	1,705,000	-	-	726,000	-	2,431,000
	Total City Cost	1,101,000	5,220,000	7,889,000	3,160,000	1,160,000	18,530,000
Storm Sewer	Total Cost	1,575,000	313,579	307,831	291,385	2,883,747	5,371,542
	Less Non City	-	-	-	-	-	-
	Total City Cost	1,575,000	313,579	307,831	291,385	2,883,747	5,371,542
Wastewater Treatment Plant	Total Cost	720,000	2,565,000	2,300,000	2,200,000	2,200,000	9,985,000
	Less Non City	-	-	-	-	-	-
	Total City Cost	720,000	2,565,000	2,300,000	2,200,000	2,200,000	9,985,000
Water Distribution	Total Cost	4,503,600	6,242,600	10,017,400	4,061,500	5,613,000	30,438,100
	Less Non City	1,062,600	748,000	1,655,000	577,500	-	4,043,100
	Total City Cost	3,441,000	5,494,600	8,362,400	3,484,000	5,613,000	26,395,000
Water Treatment Plant	Total Cost	427,500	300,000	940,000	75,000	-	1,742,500
	Less Non City	-	-	-	-	-	-
	Total City Cost	427,500	300,000	940,000	75,000	-	1,742,500
TOTALS	Total Cost	87,639,591	106,182,948	93,857,998	71,248,796	76,514,974	435,444,307
	Less Non City	19,456,877	15,941,710	13,387,500	14,603,500	4,180,000	67,569,587
	Total City Cost	68,182,714	90,241,238	80,470,498	56,645,296	72,334,974	367,874,720

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
ADMINISTRATION

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
*Emergency Operation Center (EOC) Expansion	1	6,331,508	Building Construction	12	<b>741,000</b>	-	-	-	-
			Admin Equipment Reserve	0	<b>30,000</b>	-	-	-	-
			AdmEquip Reserve/911 Tax	88	-	-	5,560,508	-	-
TOTAL		6,331,508			<b>771,000</b>	-	5,560,508	-	-
NON-CITY FUNDING		-			-	-	-	-	-
TOTAL CITY FUNDING		6,331,508			<b>771,000</b>	-	<b>5,560,508</b>	-	-

**\*Pending Outcome of Cen Com Review**

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Administration      Project Title: Emergency Operation Center (EOC) Expansion      Priority 1 of 1 1st Year: 2014

Description: Expansion of the Emergency Operations Center located in Building 21 at the Bismarck Airport based on 2015 space needs assessment.

Justification Both the 2009 Flood Incident and 2011 Flood Incident after-action reports include comments about the lack of adequate space at the EOC Facility. It was noted that the lack of space in the EOC restricted coordination with departments and with other agency liaison representatives. Many department representatives utilizing hallway areas, store room areas, copier room, and entry way areas to conduct on-going EOC business. Additional space needed for restrooms, breakroom and parking. Expansion will maximize the functionality of EOC during disaster response situations and meet the Bismarck strategic plan goals related to life safety and the protection of property/environment within the community. During non-emergency response times, the expansion will provide space for training and exercising of all EOC personnel and emergency response agencies.

Scheduling and Project Status January 2014 - Issue RFP for project Architect/Engineer Consultant for project planning, preliminary design, and cost estimating. June 2014 - Consultant selection process completed. EAPC Architects/Engineers selected & conducted project Phase 1 Site Analysis & Assessment and Phase 2 Schematic Design (completed 2015). Construction cost estimates are for green field site at airport and DCN site at 43rd Avenue & Coleman Street.

Annual Impact on Income and Operating Costs To be determined - additional discussion with City and County representatives required to discuss site selection, project funding options (building construction fund, increased 911 fees, grants, lease).

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design	\$6,000					\$6,000
Engineering/Architectural	\$60,000					\$60,000
Construction	\$675,000		\$5,560,508			\$6,235,508
Other (Furnishings, Fixtures, Equipment)	\$30,000					\$30,000
<b>Total</b>	<b>\$771,000</b>		<b>\$5,560,508</b>			<b>\$6,331,508</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$741,000					\$741,000
Sales Tax Fund						
Special Assessment Bonds						
Other (AdminEqRes & increased 911 Tax)	\$30,000		\$5,560,508			\$5,590,508
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$771,000</b>		<b>\$5,560,508</b>			<b>\$6,331,508</b>

\$66,000 Approved by the Commission in 2014 and funding from General Fund Cash Balance  
 PREPARER - Keith Hunke      PREPARER'S PHONE NUMBER - 355-1303

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
AIRPORT

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
Rehabilitate Runway 13-31 (Reconstruction) 3 Years of Construction	1	44,589,773	General Fund	26	<b>9,859,028</b>	1,817,007	-	-	-
			Revenue Bonds	15	<b>6,684,251</b>	-	-	-	-
			Federal Grant	54	<b>12,000,000</b>	12,000,000	-	-	-
			State Grant	5	<b>1,502,277</b>	727,210	-	-	-
Hangar 5 Disposition	2	300,000	Airpt Operations	5	<b>15,000</b>	-	-	-	-
			Federal Grant	90	<b>270,000</b>	-	-	-	-
			State Grant	5	<b>15,000</b>	-	-	-	-
Expand GA Ramp to Northwest - Phase 4	3	2,000,000	Airpt Operations	5	<b>100,000</b>	-	-	-	-
			Federal Grant	90	<b>1,800,000</b>	-	-	-	-
			State Grant	5	<b>100,000</b>	-	-	-	-
Short Term Parking Lot Rehab (Rejuv)	4	100,000	Airpt Operations	100	<b>100,000</b>	-	-	-	
Plans & Specs for Runway 3/21 & Taxiway D Rehabilitation	5	800,000	Airpt Operations	5	-	40,000	-	-	-
			Federal Grant	90	-	720,000	-	-	-
			State Grant	5	-	40,000	-	-	-
Taxiway Rehabilitation (Rejuvenation)	6	350,000	Airpt Operations	5	-	17,500	-	-	-
			Federal Grant	90	-	315,000	-	-	-
			State Grant	5	-	17,500	-	-	-
Jetway Ave, Corporate Ci, and Lancair Dr Rehabilitation (Rejuvenation)	7	120,000	Airpt Operations	5	-	6,000	-	-	-
			Federal Grant	90	-	108,000	-	-	-
			State Grant	5	-	6,000	-	-	-
Plans & Specs for Wetland Mitigation - Phase 5A (On-Airport)	8	800,000	Airpt Operations	5	-	-	40,000	-	-
			Federal Grant	90	-	-	720,000	-	-
			State Grant	5	-	-	40,000	-	-
Rehabilitate Runway 3-21	9	6,900,000	Airpt Operations	5	-	-	345,000	-	-
			Federal Grant	90	-	-	6,210,000	-	-
			State Grant	5	-	-	345,000	-	-
Rehabilitate Taxiway D	10	4,650,000	Airpt Operations	5	-	-	232,500	-	-
			Federal Grant	90	-	-	4,185,000	-	-
			State Grant	5	-	-	232,500	-	-
Purchase Snow Removal Equipment	11	400,000	Airpt Operations	100	-	-	400,000	-	
Expand Passenger Parking	12	1,500,000	Airpt Operations	100	-	-	1,500,000	-	
Wetland Mitigation - Phase 5A (On-Airport)	13	13,000,000	Airpt Operations	5	-	-	-	650,000	-
			Federal Grant	90	-	-	-	11,700,000	-
			State Grant	5	-	-	-	650,000	-
Deicing Fluid Treatment Improvements	14	600,000	Airpt Operations	5	-	-	-	30,000	-
			Federal Grant	90	-	-	-	540,000	-
			State Grant	5	-	-	-	30,000	-

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
AIRPORT

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
Plans and Specifications for 2021	15	400,000	Airpt Operations	5	-	-	-	20,000	-
			Federal Grant	90	-	-	-	360,000	-
			State Grant	5	-	-	-	20,000	-
Expand Commercial Terminal	16	4,000,000	Airpt Operations	5	-	-	-	-	200,000
			Federal Grant	90	-	-	-	-	3,600,000
			State Grant	5	-	-	-	-	200,000
Plans and Specifications for 2023	17	400,000	Airpt Operations	5	-	-	-	-	20,000
			Federal Grant	90	-	-	-	-	360,000
			State Grant	5	-	-	-	-	20,000
<b>TOTAL</b>		<b>80,909,773</b>			<b>32,445,556</b>	<b>15,814,217</b>	<b>14,250,000</b>	<b>14,000,000</b>	<b>4,400,000</b>
<b>NON-CITY FUNDING</b>		<b>58,833,487</b>			<b>15,687,277</b>	<b>13,933,710</b>	<b>11,732,500</b>	<b>13,300,000</b>	<b>4,180,000</b>
<b>TOTAL CITY FUNDING</b>		<b>22,076,286</b>			<b>16,758,279</b>	<b>1,880,507</b>	<b>2,517,500</b>	<b>700,000</b>	<b>220,000</b>

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport	Project Title: Rehabilitate Runway 13-31 (Reconstruction)	Priority 1 of 17	1st Year: 2014
Description: 2017 - Rehabilitate and Strengthen Runway 13-31. Reconstruct south portion of Runway 13-31 from taxiway D intersection to south end. 2018 - Rehabilitate and Strengthen Runway 13-31. Reconstruct center portion of runway 13-31 (approximately 5495 feet). 2019 - Rehabilitate (Reconstruction) of Runway 13-31. Rebuild of north 1100 feet of runway 13-31.			

**Justification:** In 2011, some of the Pavement Condition Index (PCI) ratings on Runway 13/31 were as low as 42. Some of the pavements were constructed as early 1952. The runway surface is exhibiting signs of pavement failure, with significant deterioration of longitudinal joints and differential movement. As a result, the best long term solution is to reconstruct Runway 13/31.

**Scheduling and Project Status** 2017-2019 (Ph1) \$24,650,775 + (Ph 2) \$30,045,556 + (Ph3) \$14,544,217 = \$69,240,548  
 As of 6/19/17 2017 total project cost \$24,650,775. Project funding: Enterprise Construction Reserves \$6,248,000, Revenue Bonds \$3,315,749, General Fund \$0, Federal Grant \$13,860,613 State Grant \$1,226,413. Total column below includes 2017 costs.

**Annual Impact on Income and Operating Costs**  
 Project awarded in 2016 but construction in 2017 so costs are shown in 2017 budget year.  
 Project will be awarded in 2017 but construction in 2018 so costs are shown in 2018 budget year.  
 Project will be awarded in 2018 but construction in 2019 so costs are shown in 2019 budget year.

<b>Project Costs:</b>	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$30,045,556	\$14,544,217				\$44,589,773
Other (specify)						
<b>Total</b>	<b>\$30,045,556</b>	<b>\$14,544,217</b>				<b>\$44,589,773</b>

<b>Project Funding:</b>	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund	\$9,859,028	\$1,817,007				\$11,676,035
Other (specify) Revenue Bonds	\$6,684,251					\$6,684,251
<b>Non-City</b>						
Private/Donations						
Federal Grant	\$12,000,000	\$12,000,000				\$24,000,000
State Grant	\$1,502,277	\$727,210				\$2,229,487
<b>Total</b>	<b>\$30,045,556</b>	<b>\$14,544,217</b>				<b>\$44,589,773</b>

PREPARER Tim Thorsen	PREPARER'S PHONE NUMBER 355-1806	
----------------------	----------------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport	Project Title: Hangar 5 Disposition	Priority 2 of 17	1st Year: 2014
---------------------	-------------------------------------	------------------	----------------

Description: Relocate Hangar 5. Continues expansion of GA ramp to Northwest and include commercial ramp concrete panel replacements.

Justification Third Phase of a plan to reconfigure the General Aviation (GA) ramp to allow development of areas made available following re-alignment of University Drive/Highway 1804. Accommodates increasing apron requirements related to increasing general aviation users in Western/Central North Dakota. Also expands GA ramp to meet immediate development needs of commercial aeronautical service providers.

Scheduling and Project Status 2018

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)	\$300,000					\$300,000
<b>Total</b>	<b>\$300,000</b>					<b>\$300,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$15,000					\$15,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify) Revenue Bonds						
<b>Non-City</b>						
Private/Donations						
Federal Grant	\$270,000					\$270,000
State Grant	\$15,000					\$15,000
<b>Total</b>	<b>\$300,000</b>					<b>\$300,000</b>

PREPARER Tim Thorsen	PREPARER'S PHONE NUMBER 355-1806	
----------------------	----------------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport	Project Title: Expand GA Ramp to Northwest - Phase 4	Priority 3 of 17	1st Year: 2014			
Description: Continues expansion of the GA Apron to the Northwest and includes concrete panel replacements.						
Justification: Fourth phase of a plan to expand GA Apron. Allows development of the GA Apron as shown in the Airport Layout Plan and Airport Master Plan. Accommodates increasing requirements related to increasing GA aviation users in Western/Central North Dakota and resultant need to expand FBO hangar facilities.						
Scheduling and Project Status 2018						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$2,000,000					\$2,000,000
Other (specify)						
<b>Total</b>	<b>\$2,000,000</b>					<b>\$2,000,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$100,000					\$100,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant	\$1,800,000					\$1,800,000
State Grant	\$100,000					\$100,000
<b>Total</b>	<b>\$2,000,000</b>					<b>\$2,000,000</b>
PREPARER Tim Thorsen		PREPARER'S PHONE NUMBER 355-1806				

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport	Project Title: Short Term Parking Lot Rehabilitation (Rejuvenation)	Priority 4 of 17	1st Year: 2015
---------------------	---	------------------	----------------

Description: Rehabilitate the paved parking lot surfaces (Seal with Rejuvenator).

Justification Extends the useful life of the paved surfaces.

Scheduling and Project Status 2018

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$100,000					\$100,000
Other (specify)						
<b>Total</b>	<b>\$100,000</b>					<b>\$100,000</b>

Project Funding: City	2018	2019	2020	2021	2022	Total
Enterprise Construction Reserves	\$100,000					\$100,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						

Non-City	2018	2019	2020	2021	2022	Total
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$100,000</b>					<b>\$100,000</b>

PREPARER Tim Thorsen	PREPARER'S PHONE NUMBER 355-1806	
----------------------	----------------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport	Project Title: Plans & Specifications for Runway 3-21 And Taxiway D Rehabilitation	Priority 5 of 17	1st Year: 2016			
Description: Prepare plans and specifications for runway 3-21 and taxiway D rehabilitation. Specifications will be made for runway 3-21 to be milled and overlaid. The overlay will increase thickness and strength rating of the runway. Taxiway D plans will be for a mill and overlay, includes miscellaneous items.						
Justification: Produces estimate for use in budget. Produces bid specifications so the project can be bid. Allows completion of environmental actions needed for FAA and State grant applications.						
Scheduling and Project Status 2019						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design		\$800,000				\$800,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>		<b>\$800,000</b>				<b>\$800,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$40,000				\$40,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant		\$720,000				\$720,000
State Grant		\$40,000				\$40,000
<b>Total</b>		<b>\$800,000</b>				<b>\$800,000</b>
PREPARER Tim Thorsen		PREPARER'S PHONE NUMBER 355-1806				

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport      Project Title: Taxiway Rehabilitation (Rejuvenation)      Priority 6 of 17 1st Year: 2016

Description: Rehabilitation of airport taxiways with a seal coat.

Justification Preserve functionality and extend taxiway useful life.

Scheduling and Project Status 2019

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction		\$350,000				\$350,000
Other (specify)						
<b>Total</b>		<b>\$350,000</b>				<b>\$350,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$17,500				\$17,500
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant		\$315,000				\$315,000
State Grant		\$17,500				\$17,500
<b>Total</b>		<b>\$350,000</b>				<b>\$350,000</b>

PREPARER Tim Thorsen

PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport      Project Title: Jetway Ave, Corporate Circle, & Lancair Dr. Rehabilitation (Rejuvenation)      Priority 7 of 17      1st Year: 2016

Description: Rehabilitation (rejuvenation) of Jetway Avenue, Corporate Circle, and Lancair Drive.

Justification: Service roads require regular maintenance and rehabilitation. The rehabilitation project will extend the useful life of the pavement surfaces and preserves capacity.

Scheduling and Project Status      2019

Annual Impact on Income and Operating Costs

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction		\$120,000				\$120,000
Other (specify)						
<b>Total</b>		<b>\$120,000</b>				<b>\$120,000</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves		\$6,000				\$6,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant		\$108,000				\$108,000
State Grant		\$6,000				\$6,000
<b>Total</b>		<b>\$120,000</b>				<b>\$120,000</b>

PREPARER Tim Thorsen

PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport	Project Title: Plans & Specifications for Wetland Mitigation - Phase 5A (On-Airport)	Priority 8 of 17	1st Year: 2015
---------------------	--	------------------	----------------

Description: Wetland filling at the Runway 31 End of Runway 13/31.

Justification Wetlands Mitigation is required by the Wildlife Hazard Plan in order to reduce wildlife hazards to the airport and to aircraft operating at the airport. Plans for drainage improvements described in the Airport Drainage Study.

Scheduling and Project Status 2020

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design			\$800,000			\$800,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>			<b>\$800,000</b>			<b>\$800,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$40,000			\$40,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant			\$720,000			\$720,000
State Grant			\$40,000			\$40,000
<b>Total</b>			<b>\$800,000</b>			<b>\$800,000</b>

PREPARER Tim Thorsen	PREPARER'S PHONE NUMBER 355-1806	
----------------------	----------------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport      Project Title: Rehabilitate Runway 3-21      Priority 9 of 17      1st Year: 2015

Description: Rehabilitate (Reconstruction) of runway 3-21, (mill and overlay).

Justification: Rehabilitates pavement surfaces that are deteriorated. The state pavement condition study shows PCI of 48-74 indicates need to mill and overlay to restore runway. Runway will be strengthened and raise the pavement classification number allowing use by heavier aircraft.

Scheduling and Project Status      2020

Annual Impact on Income and Operating Costs:      Project will be bid and awarded in 2019 but construction in 2020 so costs are shown in 2020 budget year.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction			\$6,900,000			\$6,900,000
Other (specify)						
<b>Total</b>			<b>\$6,900,000</b>			<b>\$6,900,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$345,000			\$345,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant			\$6,210,000			\$6,210,000
State Grant			\$345,000			\$345,000
<b>Total</b>			<b>\$6,900,000</b>			<b>\$6,900,000</b>

PREPARER Tim Thorsen

PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport      Project Title: Rehabilitate Taxiway D      Priority 10 of 17      1st Year: 2015  
 Description: Rehabilitation of Taxiway D, (mill and overlay).

Justification: Extends the useful life of the paved surfaces for aircraft. Rehabilitated pavement surfaces that have deteriorated. State pavement condition index (PCI) studies project PCI of 46-72. Mill and Overlay is indicated at PCI numbers of 70 and below. Overlay will increase thickness to allow use by longer/heavier aircraft serving Bismarck Airport

Scheduling and Project Status      2020

Annual Impact on Income and Operating Costs:      Project will be bid and awarded in 2019 but construction will occur in 2020 so costs are shown in 2020 budget.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction			\$4,650,000			\$4,650,000
Other (specify)						
<b>Total</b>			<b>\$4,650,000</b>			<b>\$4,650,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$232,500			\$232,500
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant			\$4,185,000			\$4,185,000
State Grant			\$232,500			\$232,500
<b>Total</b>			<b>\$4,650,000</b>			<b>\$4,650,000</b>

PREPARER Tim Thorsen

PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport      Project Title: Purchase Snow Removal Equipment      Priority 11 of 17      1st Year: 2017

Description: Purchase Snow Removal Equipment (SRE).

Justification Required to meet Airport Certification Requirements. The airport is allowed ten (10) plows, five (5) snow blowers, five (5) sweepers, five (5) sand spreaders, and two (2) loaders to meet the minimum snow removal rate. The airport has eleven (11) pieces and is eligible for twenty seven (27) pieces.

Scheduling and Project Status      2020

Annual Impact on Income and Operating Costs

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)			\$400,000			\$400,000
<b>Total</b>			<b>\$400,000</b>			<b>\$400,000</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$400,000			\$400,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$400,000</b>			<b>\$400,000</b>

PREPARER Tim Thorsen

PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport      Project Title: Expand Passenger Parking      Priority 12 of 17      1st Year: 2014

Description: Expand Passenger Parking Lot.

Justification Increase of passenger parking will help meet the increasing passenger growth.

Scheduling and Project Status 2020

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction			\$1,500,000			\$1,500,000
Other (specify)						
<b>Total</b>			<b>\$1,500,000</b>			<b>\$1,500,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$1,500,000			\$1,500,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$1,500,000</b>			<b>\$1,500,000</b>

PREPARER Tim Thorsen

PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport      Wetland Mitigation - Phase 5A (On-Airport)      Priority 13 of 17      1st Year: 2015

Description: Wetland filling at the Runway 31 End of Runway 13/31.

Justification Wetlands Mitigation is required by the Wildlife Hazard Plan in order to reduce wildlife hazards to the airport and to aircraft operating at the airport.

Scheduling and Project Status 2021

Annual Impact on Income and Operating Costs: Project will be bid and awarded in 2020 but construction will occur in 2021 so costs are shown in 2021 budget.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction				\$13,000,000		\$13,000,000
Other (specify)						
<b>Total</b>				<b>\$13,000,000</b>		<b>\$13,000,000</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves				\$650,000		\$650,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant				\$11,700,000		\$11,700,000
State Grant				\$650,000		\$650,000
<b>Total</b>				<b>\$13,000,000</b>		<b>\$13,000,000</b>

PREPARER Tim Thorsen

PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport	Project Title: Deicing Fluid Treatment Improvements	Priority 14 of 17	1st Year: 2016			
Description: Install area to stockpile snow and deicing fluid on terminal ramp. System will allow captured fluid to be metered into the wastewater system for treatment.						
Justification 2016 Airport drainage study recommends installation of deicing fluid treatment system to remain compliant with stormwater permit requirements.						
Scheduling and Project Status 2021						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction				\$600,000		\$600,000
Other (specify)						
<b>Total</b>				<b>\$600,000</b>		<b>\$600,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves				\$30,000		\$30,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant				\$540,000		\$540,000
State Grant				\$30,000		\$30,000
<b>Total</b>				<b>\$600,000</b>		<b>\$600,000</b>
PREPARER Tim Thorsen		PREPARER'S PHONE NUMBER 355-1806				

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport	Project Title: Plans & Specifications for 2021	Priority 15 of 17	1st Year: 2016
---------------------	--	-------------------	----------------

Description: Prepare the plans and specifications for the 2021 construction projects at the Bismarck Airport.

Justification: Produces engineer estimate for use in budgeting the following year, produces bid specifications so that projects can be bid early in the year. Allows completion of environmental actions needed for FAA and grant applications.

Scheduling and Project Status 2020

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design				\$400,000		\$400,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>				<b>\$400,000</b>		<b>\$400,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves				\$20,000		\$20,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant				\$360,000		\$360,000
State Grant				\$20,000		\$20,000
<b>Total</b>				<b>\$400,000</b>		<b>\$400,000</b>

PREPARER Tim Thorsen

PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport      Project Title: Expand Commercial Terminal      Priority 16 of 17      1st Year: 2016

Description: Expansion of commercial passenger terminal.

Justification: The Bismarck Airport is on a steady trend for increasing passengers and will need to be able to accommodate hose growing demands with an expansion of the commercial passenger terminal.

Scheduling and Project Status      2022

Annual Impact on Income and Operating Costs

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction					\$4,000,000	\$4,000,000
Other (specify)						
<b>Total</b>					<b>\$4,000,000</b>	<b>\$4,000,000</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves					\$200,000	\$200,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant					\$3,600,000	\$3,600,000
State Grant					\$200,000	\$200,000
<b>Total</b>					<b>\$4,000,000</b>	<b>\$4,000,000</b>

PREPARER Tim Thorsen

PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Airport      Project Title: Plans & Specifications for 2023      Priority 17 of 17      1st Year: 2016

Description: Prepare the plans and specifications for the 2021 construction projects at the Bismarck Airport.

Justification: Produces engineer estimate for use in budgeting the following year, produces bid specifications so that projects can be bid early in the year. Allows completion of environmental actions needed for FAA and grant applications.

Scheduling and Project Status      2022

Annual Impact on Income and Operating Costs

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design					\$400,000	\$400,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>					<b>\$400,000</b>	<b>\$400,000</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves					\$20,000	\$20,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
General Fund						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant					\$360,000	\$360,000
State Grant					\$20,000	\$20,000
<b>Total</b>					<b>\$400,000</b>	<b>\$400,000</b>

PREPARER Tim Thorsen      PREPARER'S PHONE NUMBER 355-1806

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
EVENT CENTER

Requested Project	Rank	Cost to be Funded	Funding	Projected Costs Per Year					
			Source	%	2018	2019	2020	2021	2022
*Arena 750kVA Transformer Replacement	1	137,000	M/L/R Tax	100	<b>137,000</b>	-	-	-	-
*Exhibit Hall Meeting Rms Lighting Controls	2	60,000	M/L/R Tax	100	<b>60,000</b>	-	-	-	-
*Arena/Arena Lobby Lighting Controls	3	525,000	M/L/R Tax	100	<b>525,000</b>	-	-	-	-
*Lobby and Locker Room Renovation	4	10,000,000	M/L/R Tax	100	<b>10,000,000</b>	-	-	-	-
*Refinish Belle Seating	5	114,000	M/L/R Tax	50	<b>57,000</b>	-	-	-	-
			Private/Donations	50	<b>57,000</b>	-	-	-	-
*Arena Video Cameras & Cabling	6	153,750	M/L/R Tax	100	<b>153,750</b>	-	-	-	-
*Exhibit Hall Upgrade the Pneumatic Controls	7	412,500	M/L/R Tax	100	<b>112,500</b>	100,000	100,000	100,000	-
*Camera Security System	8	96,000	M/L/R Tax	100	<b>96,000</b>	-	-	-	-
*Exhibit Hall A Audio Visual	9	267,000	M/L/R Tax	100	<b>267,000</b>	-	-	-	-
*AC/Ice Making Compressors Replacement	10	50,000	M/L/R Tax	100	<b>50,000</b>	-	-	-	-
*Parking Ramp	11	40,000,000	M/L/R Tax	100	<b>6,820,000</b>	33,180,000	-	-	-
*Belle Audio System	12	95,000	M/L/R Tax	100	<b>95,000</b>	-	-	-	-
Keyed Security System Replacement	13	50,000	M/L/R Tax	100	-	50,000	-	-	-
Door Hardware Replacement	14	75,000	M/L/R Tax	100	-	75,000	-	-	-
Arena Cooling Tower Replacement	15	200,000	M/L/R Tax	100	-	200,000	-	-	-
East, West and North Telescoping Seating	16	3,000,000	M/L/R Tax	100	-	3,000,000	-	-	-
Arena Bowl Lighting System	17	875,000	M/L/R Tax	100	-	875,000	-	-	-
Convention/Meeting Segment Expansion	18	28,000,000	M/L/R Tax	100	-	4,000,000	24,000,000	-	-
Arena Audio System	19	393,100	M/L/R Tax	100	-	-	393,100	-	-
Exhibit Hall A and B Floor	20	120,000	M/L/R Tax	100	-	-	120,000	-	-
Pavement Repair Parking Lots D & E	21	750,000	M/L/R Tax	100	-	-	750,000	-	-
<b>TOTAL</b>		<b>85,373,350</b>			<b>18,430,250</b>	<b>41,480,000</b>	<b>25,363,100</b>	<b>100,000</b>	<b>-</b>
NON-CITY FUNDING		57,000			<b>57,000</b>	-	-	-	-
<b>TOTAL CITY FUNDING</b>		<b>85,316,350</b>			<b>18,373,250</b>	<b>41,480,000</b>	<b>25,363,100</b>	<b>100,000</b>	<b>-</b>

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center - Arena      Project Title: Arena 750 kVA Transformer Replacement      Priority 1 of 21 1st Year:

Description:  
 Replace the existing 750 kVA with a new 1,000 kVA: \$43,750  
 Provide new show power on the north end of the arena \$62,500  
 Refeed the 600-amp disconnect from Switchboard H2: \$31,250

Justification This transformer is located east side north end of the Event Center which is labeled PT2 manufacture date 12/1989. It is failing and under power. We are unable to run the Arena Air Conditioning and provide enough show power to run large concerts. The transformer power experienced a low voltage readings during the concerts.

Scheduling and Project Status

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$137,000					\$137,000
Other (specify)						
<b>Total</b>	<b>\$137,000</b>					<b>\$137,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$137,000					\$137,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$137,000</b>					<b>\$137,000</b>

PREPARER Tony Rohrich      PREPARER'S PHONE NUMBER 355-1379

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center -Exhibit Hall | Project Title: Exhibit Hall Meeting Rooms Lighting Controls | Priority 2 of 21 | 1st Year:

Description: To replace the exhibit hall meeting rooms lighting controls.

Justification The circuit boards that came with the system in 1991 cannot be repaired or replaced. We were told that new lighting technology needs to be installed. this new technology would again give us the lighting flexibility needed for presenters presentation.

Scheduling and Project Status

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$60,000					\$60,000
Other (specify)						
<b>Total</b>	<b>\$60,000</b>					<b>\$60,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$60,000					\$60,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$60,000</b>					<b>\$60,000</b>

PREPARER	PREPARER'S PHONE NUMBER	
----------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center - Arena      Project Title: Arena And Arena Lobby Lighting Controls      Priority 3 of 21      1st Year:

Description: To replace the main arena and arena lobby lighting controls. The new equipment need to replace the old controls would consist of (7) Relay Racks for the arena (4) Relay racks for the lobby areas (1) ETC Paradigm Processor for central control (1) 18" LCD Touch Screen in Control Booth (1) Preset Station in Contro Booth and (1) Fader Station in Control Booth.

Justification We have several control circuit boards that no longer work. We sent them into the manufacturer for repair and were told that our boards are unrepairable and parts for our lighting controls aren't manufactured anymore. That our system is two generations behind and needed to be replaced. This would not replace any of our light fixtures.

Scheduling and Project Status This needs to be a top priority project.

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$525,000					\$525,000
Other (specify)						
<b>Total</b>	<b>\$525,000</b>					<b>\$525,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$525,000					\$525,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$525,000</b>					<b>\$525,000</b>

PREPARE      PREPARER'S PHONE NUMBER

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center - Arena	Project Title: Lobby And Locker Room Renovation	Priority 4 of 21	1st Year:
<p>Description: Lobby renovation would consist of adding on to our existing lobby allowing us to add additional entrance doors, ticket windows, larger bathrooms and walk through magnetometer. The second level would be finished to give us a larger concourse and is located in an area where it could in the future be used as a second entrance from the south parking lot. There would also be enough room for vendors or a merchandize stand during a concert.</p> <p>The locker room area would be renovated to give us larger locker rooms, a larger catering room that could be converted into two meeting rooms, a promoter room, a first aid room and several meeting rooms that could also be used for locker rooms. The renovation would also expand two of our loading bays so we could park trucks inside to unload both deliver and concert trucks. This renovation would allow us to have proper ventilation and air flow for both air conditioning and heat.</p> <p>Justification Our current lobby is to small to install the number of magnetometers needed for concerts which promoters are requiring. Also during the winter months our security and door guards need to wear coats and gloves because of the temperature in the lobby because of the way the outside doors are designed. We would also have the capability to secure the building when the box office is open and we don't have an event in the building. Our current locker rooms have limited heating and air conditioning and the electrical needs are inadequate. Basketball teams have gone from 10 to 12 kids with 2 coaches in 1969 to 18 kids with 5 coaches currently. Our locker rooms are not large enough to accommodate todays needs both for sporting events and concerts.</p> <p>Scheduling and Project Status</p> <p>Annual Impact on Income and Operating Costs The two renovations would allow us to handle more people quicker and safer making the Event Center a more enjoyable atmosphere when attending an event. Each renovation would cost approximately 5 million dollars.</p>			

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$10,000,000					\$10,000,000
Other (specify)						
<b>Total</b>	<b>\$10,000,000</b>					<b>\$10,000,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$10,000,000					\$10,000,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$10,000,000</b>					<b>\$10,000,000</b>

PREPARER	PREPARER'S PHONE NUMBER	
----------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center - BM      Project Title: Refinish Belle Seating      Priority 5 of 21      1st Year:

Description: The seating in the Belle Mehus auditorium is worn and needs to be refinished and recovered. There is deterioration that is beyond repair and use. Repair of internal components will also occur. The cost of \$57,000 is the cost if there is private matching donations of that same amount. This would be half the cost of the repair/refinishing.

Justification The wear of the seats may soon cause a reduction in the amount of seating available. The supporters of the Belle Mehus have begun raising funds. The City stepping forward and providing matching funds in 2018 would provide a push for more private funds and some grant agencies like to provide last money more than first money. This would allow that to work.

Scheduling and Project Status

Annual Impact on Income and Operating Costs      Reduction in maintenance in trying to make work upholstery and components that do not work.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$114,000					\$114,000
Other (specify)						
<b>Total</b>	<b>\$114,000</b>					<b>\$114,000</b>

Project Funding:						
City						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$57,000					\$57,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
Non-City						
Private/Donations	\$57,000					\$57,000
Federal Grant						
State Grant						
<b>Total</b>	<b>\$114,000</b>					<b>\$114,000</b>

PREPARER      PREPARER'S PHONE NUMBER

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center	Project Title: Arena Video Cameras & Cabling	Priority 6 of 21	1st Year:
--------------------------	--	------------------	-----------

Description: Replace the current standard-definition video cameras and analog cables in the arena with high-definition (HD) components and optical fiber cabling.

Justification: These cameras & cabling were originally included in the 2014 A/V studio upgrade to high-definition (HD), but were omitted due to budget constraints. The A/V studio is now entirely HD compatible, with the exception of the cameras. HD cameras are a vital component to the A/V system since they provide the primary images that are displayed on the arena screens. The old analog video cables are not compatible with HD video. They will be replaced with fiber optic cable, which is more economical than copper for long distances in the arena. The fiber ports can also be used to distribute auxiliary video, audio and data around the facility in order to better serve client needs.

Scheduling and Project Status: Installation should be complete by mid-February 2018 in order to be functional for indoor football season, as well as rodeo, district/regional/state basketball and wrestling tournaments.

Annual Impact on Income and Operating Costs: Updating these cameras would greatly enhance the user experience for the public and clients of the Event Center. This can result in increased rental income from the arena in the form of additional events, more clients using the A/V services, sponsor revenue and justification for increasing A/V fees to correspond with HD video services.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$153,750					\$153,750
Other (specify)						
<b>Total</b>	<b>\$153,750</b>					<b>\$153,750</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$153,750					\$153,750
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$153,750</b>					<b>\$153,750</b>

PREPARER: Marty Anderson	PREPARER'S PHONE NUMBER: 355-1393	EMAIL: manderson@bismarcknd.gov
--------------------------	-----------------------------------	---------------------------------

## City of Bismarck Capital Improvement Project 2018-2022

Department: Event Center      Project Title: Exhibit Hall Upgrade the Pneumatic Controls      Priority 7 of 21 | 1st Year:

**Description:** Exhibit Hall upgrade the HVAC pneumatic controls.

**Justification** We need to upgrade the pneumatic controls to DCC in the rest of the Exhibit Hall and meeting rooms. Most of the pneumatic controls in these areas they are pretty much wore out . It would be more comfortable for our clients due to better temperature control less fluctuation. There would be energy savings due to better control in the area.

**Scheduling and Project Status** I would like to start with the Exhibit Hall 2nd floor meeting rooms first. This project can be done in phases. This request would also incorporate the Arena meeting rooms, (Known as the "Tree" Rooms") which would be scheduled into the projects plan.

**Annual Impact on Income and Operating Costs**  
Better Temperature control.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design	\$2,500					\$2,500
Engineering/Architectural	\$10,000					\$10,000
Construction	\$100,000	\$100,000	\$100,000	\$100,000		\$400,000
Other (specify)						
<b>Total</b>	<b>\$112,500</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>		<b>\$412,500</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$112,500	\$100,000	\$100,000	\$100,000		\$412,500
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$112,500</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>		<b>\$412,500</b>

PREPARER Tony Rohrich	PREPARER'S PHONE NUMBER	
-----------------------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Event Center	Event Center	Project Title: Camera Security System	Priority	8 of 21	1st Year:
--------------	--------------	---------------------------------------	----------	---------	-----------

Description: Expand on our current camera security system.

Justification With the expansion of the Event Center we no longer have adequate security for our building. We have several outside doors and interior halls that are not being recorded by our current system.

Scheduling and Project Status

Annual Impact on Income and Operating Costs  
 These camera's are designed to record and maintain recorded information for 30 days. In the event of someone entering the facility without us knowing, the cameras would help prosecute these people. Also, we have lots of homeless people around our building these cameras would help us to monitor them without endangering our staff and customers. Our current camera security systems is at a 30% capacity.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$96,000					\$96,000
Other (specify)						
<b>Total</b>	<b>\$96,000</b>					<b>\$96,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$96,000					\$96,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$96,000</b>					<b>\$96,000</b>

PREPARER	PREPARER'S PHONE NUMBER	
----------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center      Project Title: Exhibit Hall A Audio Visual      Priority 9 of 21 1st Year:

Description: Purchase trusses, chain hoists, video projectors and screens-sound- lights-monitors and teleprompters.

Justification We want to construct a system that would be a plug and play system which normally would be required to be done by a third party. This service would also allow us to bid on larger conferences that require more services.

Scheduling and Project Status

Annual Impact on Income and Operating Costs  
We feel this could be another revenue source for us. Depending on the demand could be a three to five year payback.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$267,000					\$267,000
Other (specify)						
<b>Total</b>	<b>\$267,000</b>					<b>\$267,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$267,000					\$267,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$267,000</b>					<b>\$267,000</b>

PREPARER \_\_\_\_\_ PREPARER'S PHONE NUMBER \_\_\_\_\_

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center - Arena      Project Title: AC/Ice Making Compressors Replacement      Priority 10 of 21      1st Year:

Description: The air conditioning/ice making compressors use R22 freon gas. They need to be replaced with new units to comply with EPA Green House freon gas regulations.

Justification The current unit is not EPA compliant.

Scheduling and Project Status RFQ in fourth quarter of 2016. Begin replacement in first quarter of 2017.

Annual Impact on Income and Operating Costs There should not be a significant change in operating costs.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$50,000					\$50,000
Other (specify)						
<b>Total</b>	<b>\$50,000</b>					<b>\$50,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$50,000					\$50,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$50,000</b>					<b>\$50,000</b>

PREPARER	PREPARER'S PHONE NUMBER	
----------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center      Project Title: Parking Ramp      Priority 11 of 21      1st Year:

Description: The space is currently flat and used for surface level parking. A new parking ramp would allow more cars to park near the Event Center during events.

Justification The current parking space is not sufficient when large or multiple events take place. A new parking ramp would be able to house all the vehicles of visitors.

Scheduling and Project Status Design would start in 2018 with construction following in the spring of 2019.

Annual Impact on Income and Operating Costs Maintenance personnel will need to be hired to maintain the parking ramp.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design	\$420,000					\$420,000
Engineering/Architectural	\$2,400,000					\$2,400,000
Construction		\$33,180,000				\$33,180,000
Contingency	\$4,000,000					\$4,000,000
<b>Total</b>	<b>\$6,820,000</b>	<b>\$33,180,000</b>				<b>\$40,000,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$6,820,000	\$33,180,000				\$40,000,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$6,820,000</b>	<b>\$33,180,000</b>				<b>\$40,000,000</b>

PREPARER      PREPARER'S PHONE NUMBER

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center      Belle Audio System      Priority 12 of 21      1st Year:

Description: This system would consist of speakers, amplifiers and wiring. This system would consist of a main cluster with a minimum of six speakers, six monitor speakers and amplifiers for those speakers. The budgeted number would consist of all equipment, tuning, labor and training on the new system.

Justification With the expectation of the City Commission to have more events at the Belle, one of the major costs to promoters is the sound system for the act that is being brought in. If we had an adequate sound system, the building could be booked more often with regional or national acts.

Scheduling and Project Status

Annual Impact on Income and Operating Costs A new sound system would entice more promoters to bring in more entertainment. The City could recoup some of the cost of the system by charging a lessor rental fee for these acts.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$95,000					\$95,000
Other (specify)						
<b>Total</b>	<b>\$95,000</b>					<b>\$95,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$95,000					\$95,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$95,000</b>					<b>\$95,000</b>

PREPARER	PREPARER'S PHONE NUMBER	
----------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center - Arena      Project Title: Keyed Security System Replacement      Priority 13 of 21      2nd Year:

Description: All door lock keys and key cylinder tumblers are wearing out. The tumbler pins are worn off which makes it hard to unlock the doors. When the next expansion is started, the whole building complex should be rekeyed to a new and higher level security key system.

Justification Security and safety is compromised when doors either fail to lock or fail to unlock. New locking systems are available that provide improved performance and options for card readers built into the locksets. Coordinating locking/unlocking of individual doors by a central control system improves safety security and flexibility.

Scheduling and Project Status RFQ in fourth quarter 2018. New system should be installed in first half of 2019.

Annual Impact on Income and Operating Costs This should not have an effect on income or operating costs after initial investment.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction		\$50,000				\$50,000
Other (specify)						
<b>Total</b>		<b>\$50,000</b>				<b>\$50,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		\$50,000				\$50,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$50,000</b>				<b>\$50,000</b>

PREPARER	PREPARER'S PHONE NUMBER	
----------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center - Arena      Project Title: Door Hardware Replacement      Priority 14 of 21      2nd Year:

Description: The existing door hardware should be replaced so that it matches the new expansion hardware.

Justification There is problematic maintenance with multiple systems. Equipment is aged and becoming difficult to repair due to challenge in getting parts.

Scheduling and Project Status Replacement of hardware should occur during the first quarter of 2019.

Annual Impact on Income and Operating Costs This work will reduce maintenance costs as equipment will be new and parts will be more readily available. This project would be incorporated into the next major expansion project if that is planned before this happens.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction		\$75,000				\$75,000
Other (specify)						
<b>Total</b>		<b>\$75,000</b>				<b>\$75,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		\$75,000				\$75,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$75,000</b>				<b>\$75,000</b>

PREPARER \_\_\_\_\_ PREPARER'S PHONE NUMBER \_\_\_\_\_

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center      Arena Cooling Tower Replacement      Priority 15 of 21      2nd Year:

Description: Arena Cooling Tower

Justification The water sump is rusted out and leaks, the plastic air drift panels are brittle and crumbling into pieces causing improper air flow for cooling, the fan motor housing and bearings are rusted as well as the drive shafts and bearings. The victaulic 12 inch water supply and return fittings leak. The electric motors and fan shaft are rusted so bad that they are on the verge of breaking. If this happens during an event we would not be able to have air conditioning.

Scheduling and Project Status

Annual Impact on Income and Operating Costs  
Possible saving of 15 to 25 of operating cost on this cooling tower and new VFD controls.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural		\$20,000				\$20,000
Construction		\$180,000				\$180,000
Other (specify)						
<b>Total</b>		<b>\$200,000</b>				<b>\$200,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		\$200,000				\$200,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$200,000</b>				<b>\$200,000</b>

PREPARER      PREPARER'S PHONE NUMBER

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center - Arena      Project East, West and North Telescoping Seating      Priority 16 of 21      2nd Year:

Description: This capital request would replace aprox. 3,500 seats of telescoping platforms with aluminum decking with nose mounted upholstered chairs. (2" back foam, 3" seat foam) with aisle lights. The seating arrangement would meet all ADA seating requirements. This would be designed to match up with our vomitories on the second level. The walkways between the Concourse and the upper seating areas.  
 Telescoping platforms: Are seating risers that can retract to enlarge floor space.

Justification The north risers use to be wooden when we replaced the west risers in 2002 we moved some of the original risers purchased in 1969 to the north and set folding chairs on them. The east risers were purchased in 1992, because of the various seating configurations these risers get moved several times a week. The metal fatigue on thes risers is starting to show and they are becoming unsafe.

Scheduling and Project Status

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction		\$3,000,000				\$3,000,000
Other (specify)						
<b>Total</b>		<b>\$3,000,000</b>				<b>\$3,000,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		\$3,000,000				\$3,000,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$3,000,000</b>				<b>\$3,000,000</b>

PREPARER::      PREPARER'S PHONE NUMBER:

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center - Arena      Project Title: Arena Bowl Lighting System      Priority 17 of 21      2nd Year:

Description: Replace the lighting fixtures inside the arena (both the ambient and sports lighting).

Justification The bulbs that are needed for our current lighting fixtures are no longer manufactured. We have enough light bulbs to last a couple of years at a cost of \$45.00 each.

Scheduling and Project Status Work to be done 2019.

Annual Impact on Income and Operating Costs The old lighting system would be replaced with LED which would have an energy savings six year payback and the bulb replacement costs will never have to replace a light bulb.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction		\$875,000				\$875,000
Other (specify)						
<b>Total</b>		<b>\$875,000</b>				<b>\$875,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		\$875,000				\$875,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$875,000</b>				<b>\$875,000</b>

PREPARER Ron Staiger      PREPARER'S PHONE NUMBER 355-1381

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center	Project Title: Convention/Meeting Segment Expansion	Priority 18 of 21	2nd Year:
Description: The expansion would add 25,000 to 30,000 SF ball room, 10,000 SF of meeting room space and 6,000 SF of kitchen, storage, and service space to the second level also lobby/pre-function space would be added to the west side ground level.			
Justification The expansion would provide more space to host conventions and meetings which could cater to a variety of potential businesses.			
Scheduling and Project Status The design process would begin in 2019 with construction to follow in the spring of 2020.			
Annual Impact on Income and Operating Costs Operating costs would increase because more space would be conditioned. There would also be an increase in annual income due to more companies/tenants renting out the space for events.			

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design		\$300,000				\$300,000
Engineering/Architectural		\$1,200,000				\$1,200,000
Construction			\$24,000,000			\$24,000,000
Contingency		\$2,500,000				\$2,500,000
<b>Total</b>		<b>\$4,000,000</b>	<b>\$24,000,000</b>			<b>\$28,000,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		\$4,000,000	\$24,000,000			\$28,000,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$4,000,000</b>	<b>\$24,000,000</b>			<b>\$28,000,000</b>

PREPARER	PREPARER'S PHONE NUMBER	
----------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center      Project Title: Arena Audio System      Priority 19 of 21      3rd Year:

Description: The new system consists of speakers, amplifiers and wiring. The audio system would consist of four main clusters, each cluster has six speakers. There would be four subwoofer clusters, consisting of two dual high power subwoofer enclosures, one for each side of the Event Center. To cover the upper seating area they would be extra speakers on a delay system.  
The estimated costs would include all equipment, wiring, labor, tuning of the system and training on the new system.

Justification Because of the distortion we have when the volume is turned up we are receiving complaints that the people talking on the mic's can't be understood. We have had both AVI of Bismarck and HB Sound from Grand Forks look at our system and both have told us that the system is outdated and needed to be replaced.

Scheduling and Project Status The system would need to be installed during the summer months.

Annual Impact on Income and Operating Costs Because of the age of the equipment to start replacing individual pieces and the service calls to do the work I feel the new system could pay for itself in ten years plus eliminate most of our complaints.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design			\$393,100			\$393,100
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>			<b>\$393,100</b>			<b>\$393,100</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant			\$393,100			\$393,100
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$393,100</b>			<b>\$393,100</b>

PREPARER      PREPARER'S PHONE NUMBER

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center      Exhibit Hall A and B Floor      Priority 20 of 21      3rd Year:

Description: To dry grind and polish the Exhibit Hall A and B floor and fill joints and cracks.

Justification It will provide longevity to the floor, provides a clean easy to maintain rejuvenation of the existing floor, cut our maintenance costs and a fraction of the c

Scheduling and Project Status

Annual Impact on Income and Operating Costs

This install would eliminate future repair or recovering. Cleaning costs would also be less because fewer chemicals would be needed to clean it.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction			\$120,000			\$120,000
Other (specify)						
<b>Total</b>			<b>\$120,000</b>			<b>\$120,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant			\$120,000			\$120,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$120,000</b>			<b>\$120,000</b>

PREPARER	PREPARER'S PHONE NUMBER	
----------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Event Center - Arena      Project Title: Pavement Repair Parking Lots D & E      Priority 21 of 21      3rd Year:

Description: The parking lots D and E need to be patched and overlay applied to the pavement.

Justification Deterioration is deepening and expanding. There are safety issues due to tripping hazards.

Scheduling and Project Status

Annual Impact on Income and Operating Costs      Reduced risk of injury to staff and public. Potential loss of income if it impacts attendance.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction			\$750,000			\$750,000
Other (specify)						
<b>Total</b>			<b>\$750,000</b>			<b>\$750,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant			\$750,000			\$750,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$750,000</b>			<b>\$750,000</b>

PREPARER      PREPARER'S PHONE NUMBER

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
**FIRE DEPARTMENT**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
Fire Station 1 Boiler Replacement	1	81,050	Building Construction	100	<b>81,050</b>	-	-	-	-
*Tyler Parkway Fire Station-Bay Area	2	395,000	Building Construction	100	<b>395,000</b>	-	-	-	-
*Purchase Land for Future Fire Stations	3	-	TBD		<b>TBD</b>	-	-	-	-
Fire Station Alerting System	4	95,000	Other	100	-	95,000	-	-	-
Tyler Parkway Fire Station Remodel	5	195,000	Building Construction	100	-	195,000	-	-	-
Expressway Fire Station Remodel	6	75,000	Building Construction	100	-	75,000	-	-	-
<b>TOTAL</b>		<b>841,050</b>			<b>476,050</b>	365,000	-	-	-
NON-CITY FUNDING		-			-	-	-	-	-
<b>TOTAL CITY FUNDING</b>		<b>841,050</b>			<b>476,050</b>	365,000	-	-	-

**\*Requested but not Approved by the Commission**

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Fire Department      Project Title: Boiler Replacement      Priority 1 of 6      1st Year: 2016

**Description:**  
 This project involves the demolition and replacement of the current hot water boilers at Fire Station 1. The old boilers, pumps, associated duct work and piping will be removed. New boilers, pumps, duct work, and piping will be installed. New radiative baseboards along with new boiler controls will also be installed.

**Justification**      The current boilers are 42 years old and nearing the end of their useful life. Replacing them in advance of the heating season is the best course of action. Boilers are most likely to fail during the coldest part of the year and addressing this problem before a failure is a cost effective choice. New boilers will provide better heating while reducing energy usage.

**Scheduling and Project Status**  
 Engineering design and construction documents in first and second quarter. Bidding and start of construction in third quarter. Construction to be completed by October 15, 2018.

**Annual Impact on Income and Operating Costs**      An increase in boiler efficiency will reduce natural gas bills. No repair or maintenance costs for an out dated piece of equipment. If unit fails during heating season, temporary heat will be needed plus extra costs to rush delivery of replacement.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$9,000					\$9,000
Construction	\$65,500					\$65,500
Other (specify)	\$6,550					\$6,550
<b>Total</b>	<b>\$81,050</b>					<b>\$81,050</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$81,050					\$81,050
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$81,050</b>					<b>\$81,050</b>

PREPARER Lavonne Wohl      PREPARER'S PHONE NUMBER 1743

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Fire	Project Title: Tyler Parkway Fire Station	Priority 2 of 6	1st Year: 2017
------------------	---	-----------------	----------------

**Description:**  
Add one apparatus bay and increase door height on two bay doors from 12' to 14'.

**Justification**  
The apparatus bay now houses a front-line fire engine, a brush fire truck, and an array of yard equipment and fitness machines. An additional bay is needed to house a standby fire engine for emergency call back staff and for when the front-line engine is down for maintenance. The height of the doors restricts which type of trucks can be located in the apparatus bay as some need 14' doors.

**Scheduling and Project Status** RFQ for AE, fourth quarter 2017. Design first quarter 2018, bid and start of construction second quarter 2018 with completion December, 2018.

**Annual Impact on Income and Operating Costs** Additional cost would be utilities and maintenance, though due to space type, neither is excessive.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$30,000					\$30,000
Construction	\$325,000					\$325,000
Other (specify)	\$40,000					\$40,000
<b>Total</b>	<b>\$395,000</b>					<b>\$395,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$395,000					\$395,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$395,000</b>					<b>\$395,000</b>

PREPARER Joel Boespflug / Lavonne Wohl	PREPARER'S PHONE NUMBER 1423	
--	------------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Fire      Project Title: Land for Future Fire Stations      Priority 3 of 6      1st Year: 2016

Description:  
Purchase land of sufficient size and located appropriately to serve as a future fire station location.

Justification  
Fire protection long-range planning indicates a need for two future fire station locations. Purchasing land early can result in significant cost savings. Strategic locations provide for greater efficiency.

Scheduling and Project Status  
2018

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>	<b>TBD</b>					<b>TBD</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>TBD</b>					<b>TBD</b>

PREPARER Joel Boespflug      PREPARER'S PHONE NUMBER 1423

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Fire      Project Title: Fire Station Alerting System      Priority 4 of 6 1st Year: 2018

Description: Uses multiple means of emergency alerting by utilizing message boards, audio and lights. Links multiple fire stations to Cen Comm computer aided dispatch.

Justification Delivers emergency incident details automatically and instantaneously to the appropriate fire unit. Improves the speed and efficiency of emergency responders by providing more rapid and clear information.

Scheduling and Project Status

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)		\$95,000				\$95,000
<b>Total</b>		<b>\$95,000</b>				<b>\$95,000</b>

Project Funding: City	2018	2019	2020	2021	2022	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)		\$95,000				\$95,000

Non-City	2018	2019	2020	2021	2022	Total
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$95,000</b>				<b>\$95,000</b>

PREPARER Joel Boespflug      PREPARER'S PHONE NUMBER 1423

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Fire	Project Title: Tyler Parkway Fire Station Remodel	Priority 5 of 6	1st Year: 2018
------------------	---	-----------------	----------------

**Description:**  
Remodel interior to address a functional training room, firefighter office, individual sleeping quarters and dayroom.

**Justification**  
Current space is very limited. The remodel would add needed space and reallocate the use.

**Scheduling and Project Status** RFQ for AE, fourth quarter 2018. Design first quarter 2019, bid and start of construction second quarter 2019 with completion December 1, 2019.

**Annual Impact on Income and Operating Costs**

<b>Project Costs:</b>	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural		\$20,000				\$20,000
Construction		\$125,000				\$125,000
Other (specify)		\$50,000				\$50,000
<b>Total</b>		<b>\$195,000</b>				<b>\$195,000</b>

<b>Project Funding:</b>	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction		\$195,000				\$195,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$195,000</b>				<b>\$195,000</b>

PREPARER Lavonne Wohl / Joel Boespflug	PREPARER'S PHONE NUMBER 1423	
--	------------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Fire      Project Title: Expressway Fire Station Remodel      Priority 6 of 6 1st Year: 2018

Description: Add drywall partitions, doors and exterior windows to provide private rooms for crew members. Rooms to include built-in wardrobes.

Justification Existing space provides minimal visual privacy and no acoustic privacy for crew.

Scheduling and Project Status Design, first quarter 2019. Bidding second quarter 2019. Construction 3rd quarter 2019 with completion by October 1, 2019.

Annual Impact on Income and Operating Costs

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural		\$10,000				\$10,000
Construction		\$65,000				\$65,000
Other (specify)						
<b>Total</b>		<b>\$75,000</b>				<b>\$75,000</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction		\$75,000				\$75,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$75,000</b>				<b>\$75,000</b>

PREPARER LaVonne Wohl

PREPARER'S PHONE NUMBER 355-1743

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
LIBRARY

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
Library Roof and Clerestory Windows	1	707,423	Building Construction	100	<b>707,423</b>	-	-	-	-
*Library HVAC Upgrade	2	790,000	Building Construction	100	<b>790,000</b>	-	-	-	-
*Library Siding, Window & Door Replmnt	3	1,212,000	Building Construction	100	<b>70,000</b>	1,142,000	-	-	-
TOTAL		2,709,423			<b>1,567,423</b>	1,142,000	-	-	-
NON-CITY FUNDING		-			-	-	-	-	-
TOTAL CITY FUNDING		2,709,423			<b>1,567,423</b>	1,142,000	-	-	-

**\*Requested but not Approved by the Commission**

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Library	Project Title: Library Roof and Clerestory Windows	Priority 1 of 3	1st Year: 2015
Description: In 2015, \$847,000 was funded to repair the roof and clerestory windows in the Public Library. In 2017, \$300,000 was funded to go toward this project,			
Justification The wall finish has deteriorated and is allowing water into the roof system and the building interior. The leaking is in areas that contain books (valued at over \$4 million) and equipment, risking both. The roof system has lost it's protective coating and will not tolerate moderate levels of humidity needed to protect the books and staff, which is projected for the HVAC project. Due to water and humidity issues, the rare book collection (valued at ~\$68,000), which contains Bismarck and ND historical information, is also at risk. When it rains, Library staff set out several buckets throughout the building to catch the leaking rain.			
Scheduling and Project Status Bidding took place in Spring 2017 and no bids were received. A second bid opening took place in Summer 2017 and one bid was received. Material would be ordered in Fall 2017. Construction to begin 1st quarter of 2018 and continue through the end of			
Annual Impact on Income and Operating Costs Operating costs should decrease after the leaking stops. Improved insulation system will reduce energy costs. Costs to repair ceiling from stains and wet surfaces will be reduced.			

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$707,423					\$707,423
Other (specify)						
<b>Total</b>	<b>\$707,423</b>					<b>\$707,423</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$707,423					\$707,423
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$707,423</b>					<b>\$707,423</b>

PREPARER	PREPARER'S PHONE NUMBER	
----------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Library      Project Title: Library HVAC Upgrade      Priority 2 of 3      1st Year: 2014

Description: Upgrade HVAC system to current standards and efficient systems, improve humidity, convert from pneumatic to digital controls. This project does have the potential for phased construction with multiple independent projects. See project detailed description for more information.

Justification Problems with existing ventilation system causes condensation on ductwork, damaging ceiling. System is inefficient and controls are outdated. Cold spots in winter and warm areas in summer compromise use by children and adults. Lack of humidity control puts at risk book collections and other items of value nearly equal to the value of the building itself. Energy savings from updated controls will provide payback on the investment.

Scheduling and Project Status Engineering design and construction documents are completed. Project is ready for bidding in first quarter 2018. Construction to begin second quarter 2018 and finish by end of 2018.

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$20,000					\$20,000
Construction	\$700,000					\$700,000
Other (specify)	\$70,000					\$70,000
<b>Total</b>	<b>\$790,000</b>					<b>\$790,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$395,000					\$395,000
Sales Tax Fund						
Special Assessment Bonds						
Other Library Cash Balance	\$395,000					\$395,000
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$790,000</b>					<b>\$790,000</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 701-355-1743

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Library      Project Title: Siding, Window and Door Replacement      Priority 3 of 3      1st Year: 2015

Description: Existing EIFS siding has been damaged by woodpeckers and other impact which has allowed water into the system in some places. Other locations are showing some condensation effects with some mold showing due to the imbalance of wall insulation inside versus outside the wall sheathing. Replacement of the EIFS system, based on a study done by ACI Architects, will also require removal of doors and windows to correctly install a replacement system. Removing the existing aged aluminum systems and reinstalling them will cost nearly as much as replacing them with more energy efficient units than original systems. Newer doors can be evaluated during design.

Justification Damage to EIFS has contributed to water infiltration in some places on the building. In all locations, the thin layer of insulation outside the sheathing paired with a thicker layer behind it is causing condensation and residual mold on the exterior face of the interior insulation layer. That reduces the thermal resistance, wasting energy and will degrade the metal framing. Replacement with a more durable finish and re-insulating will protect long term.

Scheduling and Project Status RFQ last quarter of 2017. Design first quarter 2018. Bidding late second quarter 2018. Completion July 1, 2020.

Annual Impact on Income and Operating Costs Will reduce energy costs with improved thermal protection and elimination of water penetration damage to insulation. Will likely increase use of facility by eliminating discomfort during weather extremes. Will provide improved protection for contents, preventing loss of books and other contents.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$70,000	\$20,000				\$90,000
Construction		\$1,020,000				\$1,020,000
Other (contingency)		\$102,000				\$102,000
<b>Total</b>	<b>\$70,000</b>	<b>\$1,142,000</b>				<b>\$1,212,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$70,000	\$1,142,000				\$1,212,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$70,000</b>	<b>\$1,142,000</b>				<b>\$1,212,000</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 701-355-1743

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
POLICE

Requested Project	Rank	Cost to be Funded	Funding	Projected Costs Per Year					
			Source	%	2018	2019	2020	2021	2022
*Building Expansion and Renovation	1	7,750,250	Building Construction	100	<b>367,500</b>	7,115,750	267,000	-	-
*Replace Masonry Wall Panels	2	300,000	Building Construction	100	<b>25,000</b>	275,000	-	-	-
Paving at PD Impound Area	3	55,375	Building Construction	100	<b>55,375</b>	-	-	-	-
TOTAL		8,105,625			<b>447,875</b>	7,390,750	267,000	-	-
NON-CITY FUNDING		-			-	-	-	-	-
TOTAL CITY FUNDING		8,105,625			<b>447,875</b>	7,390,750	267,000	-	-

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Police Department      Project Title: Expansion and Renovation      Priority 1 of 3      1st Year: 2015

Description: With general storage moved off-site to new facility, existing garage area is converted to evidence storage. Addition is done to provide conditioned space for vehicles that require that due to on-board equipment as well as additional storage for police vehicles and staff vehicles. Since site space is limited, this is a multi-story parking garage with the conditioned space on the main level. A connection link at the existing garage area allows for controlled access to evidence area in enclosed space but preserves most of space for storage in climate controlled environment.

Justification Department growth in staff and associated work space, evidence space and vehicle space needs have resulted in compromised work conditions for PD staff. Result is a work environment that compromises safety and puts at risk security and conditions for evidence and staff who work with evidence. Interim solutions implemented are not a permanent, complete solution. Need is critical.

Scheduling and Project Status RFQ for Architectural/Engineering Services in fourth quarter 2017. Design begins in first quarter 2018 and prepares for bidding by first quarter 2019. Construction begins second quarter 2019, completes in phases by second quarter 2020, Substantial Completion, July 1, 2020. Design for Phase 2, first quarter 2018, bidding second quarter 2018, construction late second quarter 2018, Substantial completion December 31, 2019.

Annual Impact on Income and Operating Costs Extra Cost for maintenance and repair will be limited due to the static use nature of the space being added. Integrity of evidence preserved will protect litigation process. Protection of vehicles and staff will prevent loss of both.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$367,500	\$122,500				\$490,000
Construction		\$6,357,500				\$6,357,500
Other (Furnishings, Contingency)		\$635,750	\$267,000			\$902,750
<b>Total</b>	<b>\$367,500</b>	<b>\$7,115,750</b>	<b>\$267,000</b>			<b>\$7,750,250</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$367,500	\$7,115,750	\$267,000			\$7,750,250
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$367,500</b>	<b>\$7,115,750</b>	<b>\$267,000</b>			<b>\$7,750,250</b>

PREPARER LaVonne Wohl

PREPARER'S PHONE NUMBER 701-355-1743

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Police Department      Project Title: Replace Masonry Wall Panels      Priority 2 of 3      1st Year: 2016

**Description:**  
Remove existing brick, brick ties and insulation. Replace with exterior finish system that is weather resistant and secured to building structure.

**Justification** Existing wall is leaking and nothing will stop that short of replacement. Wall has an inherent structural flaw in how it was constructed and that is breaking it apart at the mortar joints. It also provides no insulation. Blow-in insulation will not stop water infiltration nor most wind infiltration. It may cause condensation and can cause damage inside the wall system to the mortar joints already compromised. That insulation is an interim, short term solution.

**Scheduling and Project Status**  
RFQ during third quarter 2017, design during fourth quarter 2017, bidding and contracting during first quarter 2018, construction starting second quarter 2018  
Alternate schedule and contracting would be to add to proposed building addition project and construct at the same time.

**Annual Impact on Income and Operating Costs**  
Reduced maintenance costs and energy costs currently endured due to leaking walls and virtually no insulation in 80% of exterior wall of Police Station.  
Garage area is different construction so does not share the problems of the office area.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$25,000	\$275,000				<b>\$300,000</b>
Construction						
Other (specify)						
<b>Total</b>	<b>\$25,000</b>	<b>\$275,000</b>				<b>\$300,000</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$25,000	\$275,000				<b>\$300,000</b>
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$25,000</b>	<b>\$275,000</b>				<b>\$300,000</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 701-355-1743

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Police Department      Project Title: Paving at PD Impound Area      Priority 3 of 3      1st Year: 2017

Description: Paving for area as defined by Site Plan Review process as necessary to meet occupancy conditions for PD Storage Building constructed in 2017. Project includes adding an approach from primary road to Animal Impound parking area and paving from 52nd Street, through approach area and Animal Impound Parking lot to storage building. It is expected that concrete driveway can be done with building project in 2017. If not, that will be needed as well. Included with contingency if needed.

Justification Required to occupy PD Storage Building by Site Plan Review group.

Scheduling and Project Status      Designed by Engineering first quarter 2018. Bid and constructed during second and third quarters 2018, completed by September 1, 2018.

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$4,125					\$4,125
Construction	\$37,500					\$37,500
Other (Contingency, concrete*)	\$13,750					\$13,750
<b>Total</b>	<b>\$55,375</b>					<b>\$55,375</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$55,375					\$55,375
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$55,375</b>					<b>\$55,375</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 355-1743

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
PUBLIC HEALTH

Requested Project	Rank	Cost to be Funded	Funding	Projected Costs Per Year					
			Source	%	2018	2019	2020	2021	2022
Repair Basement Floor and Plumbing	1	106,000	Building Construction	100	-	-	-	10,000	96,000
Replace Public Health Cooling Tank	2	125,000	Building Construction	100	-	-	-	20,000	105,000
Replace EIFS Wall System	3	150,000	Building Construction	100	-	-	-	30,000	120,000
TOTAL		381,000			-	-	-	60,000	321,000
NON-CITY FUNDING		-			-	-	-	-	-
TOTAL CITY FUNDING		381,000			-	-	-	60,000	321,000

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Public Health      Project Title: PHC Repair Basement Floor and Plumbing      Priority 1 of 3 1st Year:

Description: Remove broken concrete floor (two layers of concrete), replace missing base below floor, replace existing piping that has dropped, replace concrete floor. Work is in basement level.

Justification Existing floor has cracked and dropped about 5 inches. Waste lines have also dropped and are holding water. Storm lines connected to base below floor have sucked the sandy soil out from below the slab which is supported by the base. The space is no longer possible to use and plumbing fixtures will become problematic to use as well, making the basement area unusable at all. It may also eventually compromise HVAC systems that are in basement.

Scheduling and Project Status RFQ third quarter 2021. Design fourth quarter 2021. Bidding and start of construction first quarter 2022. Completion of work by November 1, 2022.

Annual Impact on Income and Operating Costs Potential loss of tenant and income when Wagner Financial basement space is no longer useable. Will not add to costs; will have significant costs if HVAC equipment is compromised. That will start impacting areas on main level and above.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural				\$10,000	\$2,500	\$12,500
Construction					\$85,000	\$85,000
Other (specify)					\$8,500	\$8,500
<b>Total</b>				<b>\$10,000</b>	<b>\$96,000</b>	<b>\$106,000</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction				\$10,000	\$96,000	\$106,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>				<b>\$10,000</b>	<b>\$96,000</b>	<b>\$106,000</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Public Health      Project Title: PHC Cooling Tank Replacement      Priority 2 of 3 1st Year:

Description: Replace existing cooling tank with a new cooling tank.

Justification Existing cooling tank is corroded. Has already been scraped and repainted, but corrosion will continue to be problematic. It has also been leaking in the past which will return when paint coating is deteriorated.

Scheduling and Project Status RFQ for design third quarter 2021. Design fourth quarter 2021. Bidding first quarter 2022. Installation second quarter 2022. Completion by June 1, 2022.

Annual Impact on Income and Operating Costs Loss of cooling tank prevents chilling of spaces. Work conditions and public conditions will become problematic at that point. For nursing care which often includes the public in stressed conditions, that can be more problematic.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural				\$20,000		\$20,000
Construction					\$105,000	\$105,000
Other (specify)						
<b>Total</b>				<b>\$20,000</b>	<b>\$105,000</b>	<b>\$125,000</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction				\$20,000	\$105,000	\$125,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>				<b>\$20,000</b>	<b>\$105,000</b>	<b>\$125,000</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Public Health      Project Title: PHC Replace EIFS Wall System      Priority 3 of 3 1st Year:

Description: Remove existing EIFS system and replace with more durable system, correctly installed.

Justification Existing EIFS wall system is cracked and spawling. Many places EIFS is flat with no slope along roof; that is not considered acceptable.

Scheduling and Project Status RFQ third quarter 2021. Design fourth quarter 2021. Bidding first quarter 2022. Construction second quarter 2022 with completion October 1, 2022.

Annual Impact on Income and Operating Costs Reduced energy costs with effective insulation and maintenance free or low maintenance, durable finish.

<b>Project Costs:</b>	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural				\$30,000		\$30,000
Construction					\$120,000	\$120,000
Other (specify)						
<b>Total</b>				<b>\$30,000</b>	<b>\$120,000</b>	<b>\$150,000</b>

<b>Project Funding:</b>	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction				\$30,000	\$120,000	\$150,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>				<b>\$30,000</b>	<b>\$120,000</b>	<b>\$150,000</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 355-1743

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
**PUBLIC WORKS-BUILDING MAINTENANCE**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
City/County Bldg Plumbing Repair & Reno	1	83,500	Bldg Construction	100	<b>83,500</b>	-	-	-	-
*CCB Northeast Air Handler Replacement	2	103,400	Bldg Construction	100	<b>11,000</b>	92,400	-	-	-
City/County Addition or Replacement	3	23,150,000	Bldg Construction	100	-	-	380,000	6,020,000	16,750,000
Replace Windows City/County Building	4	125,000	Bldg Construction	100	-	-	-	125,000	-
Insulation System	5	114,500	Bldg Construction	100	-	-	-	114,500	-
<b>TOTAL</b>		<b>23,576,400</b>			<b>94,500</b>	92,400	380,000	6,259,500	16,750,000
NON-CITY FUNDING		-			-	-	-	-	-
<b>TOTAL CITY FUNDING</b>		<b>23,576,400</b>			<b>94,500</b>	92,400	380,000	6,259,500	16,750,000

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: City/County Building      Project Title: City County Building Plumbing Repair and Renovation      Priority 1 of 5      1st Year: 2017

Description: Replace aged, corroded waste piping. Reconfigure piping to drain to street as much as possible. Limit use of sewage ejector tanks to what is not possible to drain to street. Add additional plumbing vents and other items as necessary and as required by code. Replace existing sewage ejector tank if not possible to eliminate.

Justification Existing piping is corroded and difficult to access. Currently is dripping onto dirt floor in crawl space under north half of the building. Currently nearly all bathrooms drain through the sewage ejector tank in the basement, which was originally intended only for limited floor drains and a small bathroom. All is pumped to highest level of crawl space; option to drain most or all to street at southwest corner should be explored. Otherwise pipe separate of ejector.

Scheduling and Project Status RFQ fourth quarter 2017. Design first two quarters 2018. Bid and construction during third quarter, completing by November 1, 2018.

Annual Impact on Income and Operating Costs Reduced maintenance time and costs and improved comfort and safety for occupants. Will not add to costs; will reduce costs.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$12,000					\$12,000
Construction	\$65,000					\$65,000
Other (specify)	\$6,500					\$6,500
<b>Total</b>	<b>\$83,500</b>					<b>\$83,500</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$83,500					\$83,500
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$83,500</b>					<b>\$83,500</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: City/County Building      Project Title: Northeast Air Handler Replacement      Priority 2 of 5 1st Year:

**Description:**

This project includes the removal and replacement of the air handler located on the first floor of the CCB in the Northeast mechanical room. The pneumatic controls will be removed and replaced with digital controls. The current VAV boxes will be removed or retrofitted to adapt the new digital controls. New duct work to accommodate the air handler is to be installed.

**Justification**

The current air handler is 32 years and is the oldest in the building. It is unbalanced and offers little to no individual room control. If the unit were to fail, half of the first floor would be without A/C. Several dampers and pneumatic controls no longer operate.

**Scheduling and Project Status**

RFQ's will start in the fourth quarter of 2018. Engineering design in the first quarter of 2019. Construction to begin in the second quarter of 2019. Project to be finished by December 31st 2019.

**Annual Impact on Income and Operating Costs**

Reduced maintenance costs. Variable speed drives will allow for better control and less energy use. High efficiency fans will reduce electrical costs of VAV's and the air handler.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$11,000					\$11,000
Construction		\$84,000				\$84,000
Other (specify)		\$8,400				\$8,400
<b>Total</b>	<b>\$11,000</b>	<b>\$92,400</b>				<b>\$103,400</b>

**Project Funding:**

<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$11,000	\$92,400				\$103,400
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$11,000</b>	<b>\$92,400</b>				<b>\$103,400</b>

Lavonne Wohl	701-214-1824	
--------------	--------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: City/County Building      Project Title: Administration Building Addition or Replacement      Priority 3 of 5      1st Year: 2015

Description: Construct new facility for some or all offices at City/County Building, construct addition to another building or CCB, renovate to improve space effectiveness and efficiency. Space Needs study done in 2014 identified multiple options with a range of costs. This uses option B as it is in the mid-range of the projected costs for the various options.

Justification Existing building was found to be too small to accommodate existing needs effectively and future needs at all. It also does not allow for collaborative working options for most departments, limiting how work is managed and accomplished. That limits performance and effectiveness.

Scheduling and Project Status RFQ for AE Services fourth quarter of 2019. Design begins first quarter of 2020 and prepares for bidding by first quarter 2021. Construction begins during second quarter 2021 and continues through 2022 with completion by September 30, 2022.

Annual Impact on Income and Operating Costs Cost for maintenance and repair likely reduced compared to maintaining decades old equipment and exterior materials. Energy efficiency is greatly improved over a building with no insulation, 1950's style windows, disjointed ventilation system, ductwork running on the roof, etc.. Improved options for staff performance should also payback and/or preserve staff morale and motivation.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design			\$55,000	\$120,000		\$175,000
Engineering/Architectural			\$320,000	\$675,000		\$995,000
Construction				\$4,750,000	\$11,500,000	\$16,250,000
Other (soil tests, contingency, furnishing)			\$5,000	\$475,000	\$5,250,000	\$5,730,000
<b>Total</b>			<b>\$380,000</b>	<b>\$6,020,000</b>	<b>\$16,750,000</b>	<b>\$23,150,000</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction			\$380,000	\$6,020,000	\$16,750,000	\$23,150,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$380,000</b>	<b>\$6,020,000</b>	<b>\$16,750,000</b>	<b>\$23,150,000</b>

PREPARER	PREPARER'S PHONE NUMBER	
----------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: City/County Building      Project Title: Replace Windows CCB      Priority 4 of 5 1st Year:

Description: Replace existing exterior windows throughout the building with new thermal resistant framing systems with insulating and low-E glass.

Justification Existing window hardware is failing, causing upper window sashes to fall open, reducing thermal resistance of system and at times leaving window completely open.

Scheduling and Project Status

Annual Impact on Income and Operating Costs Will reduce energy demand dramatically, reducing operating costs for electricity and natural gas. Could be timed with residing project to improve options for both windows and siding that are not possible when done separately.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural				\$9,500		\$9,500
Construction				\$105,000		\$105,000
Other (specify)				\$10,500		\$10,500
<b>Total</b>				<b>\$125,000</b>		<b>\$125,000</b>

**Project Funding:**

City	2018	2019	2020	2021	2022	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction				\$125,000		\$125,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>				<b>\$125,000</b>		<b>\$125,000</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: City/County Building      Project Title: Insulation System      Priority 5 of 5 1st Year:

Description: Install new insulation system, either inside or outside existing masonry wall. Existing wall has no insulation. Exterior insulation would include new siding or coating as well. That should be coordinated with window replacement identified separately.

Justification Existing wall with no insulation causes huge demand for energy, especially for summer air conditioning. It also causes discomfort in dramatic temperature swings when the HVAC system needs to adjust.

Scheduling and Project Status

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural				\$10,000		\$10,000
Construction				\$95,000		\$95,000
Other (specify)				\$9,500		\$9,500
<b>Total</b>				<b>\$114,500</b>		<b>\$114,500</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction				\$114,500		\$114,500
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>				<b>\$114,500</b>		<b>\$114,500</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 355-1743

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
SOLID WASTE

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
*County Shop Purchase	1	- TBD		100	<b>TBD</b>	-	-	-	-
TOTAL		-			<b>TBD</b>	-	-	-	-
NON-CITY FUNDING		-			-	-	-	-	-
TOTAL CITY FUNDING		-			<b>TBD</b>	-	-	-	-

\* To Be Determined

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Solid Waste      Project Title: County Shop purchase      Priority 1 of 1      1st Year: 2013

Description: Since 2007 PW has been looking for a site for Salt/Sand storage for winter application, and a fuel site to provide redundancy to fuel our city fleet of unleaded vehicles incase our PW pumps are out of order. We also began researching in 2011 a cold storage site for equipment that is seasonal in usage. We planned on purchasing land for the salt/sand storage and fueling site, or considered building it into the new firestation on Lockport. This became cost prohibitive so the site was abandoned and we began looking for a new location. With the recent development of the county moving from their shop location on 52nd St N, we have determined that this location would solve all of our long term needs.

Justification Combine all our needs for salt/sand, fuel redundancy for our unleaded fleet, equipment cold storage, provide additional office space for Solid Waste in one location. This would also create the ability to gate 52nd Street N at the intersection of Divide and 52nd, creating better control and security for the city buildings located on 52nd.

Scheduling and Project Status      Begin negotiation for property in 2018/2019

Annual Impact on Income and Operating Costs      Reduciton of cash reserve.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)	TBD					TBD
<b>Total</b>	<b>TBD</b>					<b>TBD</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	TBD					<b>TBD</b>
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>TBD</b>					<b>TBD</b>

PREPARER Jeff Heintz      PREPARER'S PHONE NUMBER 701-355-1705

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
**STREET LIGHTS & TRAFFIC SIGNALS UTILITY**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
Traffic Signal Replacement Program - N 6th Street and E Rosser Ave	1	1,055,688	StreetLightUtility Fd	100	<b>215,416</b>	246,119	197,763	197,763	198,627
Whiteway Conductor Replacement	2	613,034	StreetLightUtility Fd	100	<b>134,166</b>	120,588	154,820	132,000	71,460
Whiteway Feed Point Replacement	3	503,164	StreetLightUtility Fd	100	<b>89,573</b>	94,947	100,644	108,000	110,000
Street Light LED Relamping Program - Airport Road from Main to Univerisity Dr	4	364,270	StreetLightUtility Fd	100	<b>43,350</b>	97,000	64,800	79,920	79,200
Video Camera Replacement Program	5	250,000	StreetLightUtility Fd	100	<b>50,000</b>	50,000	50,000	50,000	50,000
<b>TOTAL</b>		2,786,156			<b>532,505</b>	608,654	568,027	567,683	509,287
NON-CITY FUNDING		-			-	-	-	-	-
<b>TOTAL CITY FUNDING</b>		2,786,156			<b>532,505</b>	608,654	568,027	567,683	509,287

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: St Lights/Traffic Signal | Project Title: Traffic Signal Replacement Program | Priority 1 of 5 | 1st Year: 2012

Description: The 2018 project will replace the traffic signals at the intersection of N 6th Street and E Rosser Ave. Future projects will be 2019 - N 9th Street & E Front Ave, 2020 - 7th Street & Ave C, 2021 - 9th Street & Ave C, 2022 - 7th Street South and E Rosser Ave, 2023 - 9th Street South & E Rosser Ave.

Justification Public Safety and system integrity improvement due to existing rusting, deteriorating poles.

Scheduling and Project Status Install in summer of project year.

Annual Impact on Income and Operating Costs Reduction of cash reserve funds.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$21,542	\$24,612	\$19,776	\$19,776	\$19,863	\$105,569
Construction	\$193,874	\$221,507	\$177,987	\$177,987	\$178,764	\$950,119
Other (specify)						
<b>Total</b>	<b>\$215,416</b>	<b>\$246,119</b>	<b>\$197,763</b>	<b>\$197,763</b>	<b>\$198,627</b>	<b>\$1,055,688</b>

Project Funding:						
City						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other-St Light/Traffic Utility fees	\$215,416	\$246,119	\$197,763	\$197,763	\$198,627	\$1,055,688
Non-City						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$215,416</b>	<b>\$246,119</b>	<b>\$197,763</b>	<b>\$197,763</b>	<b>\$198,627</b>	<b>\$1,055,688</b>

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: St Lights/Traffic Signal | Project Title: Whiteway Conductor Replacement Program | Priority 2 of 5 | 1st Year: 2012

Description: St Light wire conductors that are deteriorating in areas of town are creating multiple breaks. This is creating faults that cause the lights to be off, public opinion falls regarding the service and it is difficult to repair these faults during the winter seasons with frozen ground.

Justification: Faults cause interruptions of service and outages that are difficult to repair. Replacing conduit between poles where multiple wire breaks have occurred in the past will lessen the outages and free up employees time to focus on proactive system maintenance, instead of running around town putting out fires and not accomplishing our mission.

Scheduling and Project Status: Begin replacing wires between poles with multiple faults or breaks in a systematic process. These will be phased in over time, this is not a complete replacement of wires in the project area, only replacing those wires between poles that have multiple breaks and repairs.

### Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$13,417	\$12,059	\$15,482	\$13,200	\$7,146	\$61,304
Construction	\$120,749	\$108,529	\$139,338	\$118,800	\$64,314	\$551,730
Other (specify)						
<b>Total</b>	<b>\$134,166</b>	<b>\$120,588</b>	<b>\$154,820</b>	<b>\$132,000</b>	<b>\$71,460</b>	<b>\$613,034</b>

### Project Funding:

City						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other-St Light/Traffic Utility fees	\$134,166	\$120,588	\$154,820	\$132,000	\$71,460	\$613,034
Non-City						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$134,166</b>	<b>\$120,588</b>	<b>\$154,820</b>	<b>\$132,000</b>	<b>\$71,460</b>	<b>\$613,034</b>

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: St Lights/Traffic Signal | Project Title: Whiteway Feed Point Replacement | Priority 3 of 5 | 1st Year: 2012

Description: Begin scheduled replacement program of white way feed points.

Justification Aging system has cabinet deterioration and poor location for servicing. Newer and more efficient technology in feed points would make these cabinets a money and time saver to the utility.

Scheduling and Project Status Replace 5 feed points per year.

Annual Impact on Income and Operating Costs

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$8,957	\$9,495	\$10,064	\$10,800	\$11,000	\$50,316
Construction	\$80,616	\$85,452	\$90,580	\$97,200	\$99,000	\$452,848
Other (specify)						
<b>Total</b>	<b>\$89,573</b>	<b>\$94,947</b>	<b>\$100,644</b>	<b>\$108,000</b>	<b>\$110,000</b>	<b>\$503,164</b>

### Project Funding:

<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other-St Light/Traffic Utility fees	\$89,573	\$94,947	\$100,644	\$108,000	\$110,000	\$503,164

<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$89,573</b>	<b>\$94,947</b>	<b>\$100,644</b>	<b>\$108,000</b>	<b>\$110,000</b>	<b>\$503,164</b>

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: St lights/Traffic Signal | Project Title: Street Light LED Relamping Program | Priority 4 of 5 | 1st Year: 2016

Description: Our major roadways have high wattage street lights that are frequently being replaced. Street light staff will swap out the old light fixtures and install LED heads.

Justification Reduce electrical demand on utility which will reduce electrical costs, and increase longevity of lights on major roadways.

Scheduling and Project Status 2018 - Airport Road from Main Ave to University Drive, 2019 - N and S Washington St, Calgary Ave to South of Billings Dr  
 2020 - N Bismarck Expressway and Industrial Ave from Main to I-94, 2021 - One Way Pair from Boulevard to Expressway  
 2022 - E Rosser Ave from N 9th St to N 1st St

Annual Impact on Income and Operating Costs Expense absorbed in utility fee increase.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)	\$43,350	\$97,000	\$64,800	\$79,920	\$79,200	\$364,270
<b>Total</b>	<b>\$43,350</b>	<b>\$97,000</b>	<b>\$64,800</b>	<b>\$79,920</b>	<b>\$79,200</b>	<b>\$364,270</b>

**Project Funding:**

**City**

Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other-Street Light/Traffic Utility Fees	\$43,350	\$97,000	\$64,800	\$79,920	\$79,200	\$364,270

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$43,350</b>	<b>\$97,000</b>	<b>\$64,800</b>	<b>\$79,920</b>	<b>\$79,200</b>	<b>\$364,270</b>

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: St lights/Traffic Signal | Project Title: Video Camera Replacement Program | Priority 5 of 5 | 1st Year: 2014

Description:  
This project will provide funding for replacement of intersection video detection cameras.

Justification During the milling process of pavement management, we loose the wire loops that control the signals at an intersection. In some cases it makes sense put a video detection camera system in to replace the wire loops. Since a signalized intersection is in place, the cost to add cameras is born by the utility, not the spec assessment district paying for the pavement rehabilitation. These funds would be used to install video detection cameras at intersections that warrant their installation due to traffic volumes and multiple lanes.

Scheduling and Project Status Early winter, pavement maintenance projects are developed with the engineering department for the coming construction Where warranted, these video detection systems will be added to the project, with the utility paying for their installation.

### Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Other (specify)						
<b>Total</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$250,000</b>

### Project Funding:

City						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other-Street Light/Traffic Utility Fee	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Non-City						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$250,000</b>

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
ROADS & STREETS

Requested Project	Rank	Cost to be Funded	Funding	Projected Costs Per Year					
			Source	%	2018	2019	2020	2021	2022
*Purchase Land for Future Satellite Location	1	-	TBD	100	<b>TBD</b>	-	-	-	-
TOTAL		-			<b>TBD</b>	-	-	-	-
NON-CITY FUNDING		-			-	-	-	-	-
TOTAL CITY FUNDING		-			<b>TBD</b>	-	-	-	-

\* To Be Determined

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Roads and Streets      Project Title: Purchase land for a future satellite location in North Bismarck      Priority 1 of 1      1st Year: 2014

Description: Purchase land for a north location for Roads and Streets salt sand storage building, brine tanks and unleaded fueling capabilities.

PD has also expressed an interest in an north site for fueling and public access for licensing, receiving copies of reports, and other clerical duties. This location could be developed to be multi departmental in use and function.

Justification Due to the growth of Bismarck, a satellite location for refueling, filling of salt sand and brine would reduce the down time driving back to PW on S 26th street. Purchasing the land now would be less expensive than in the future based on recent trends in land pricing. A second fueling location for unleaded gas is needed since we only have one location. Any breakdowns or damage to our fuel island at PW would require an alternate supply source.

Scheduling and Project Status Purchase land in 2018.

Annual Impact on Income and Operating Costs Reduction of Roads and Streets cash reserve.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)	TBD					TBD
<b>Total</b>	<b>TBD</b>					<b>TBD</b>

Project Funding:						
City						
Enterprise Construction Reserves	TBD					TBD
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
Non-City						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>TBD</b>					<b>TBD</b>

PREPARER Jeff Heintz

PREPARER'S PHONE NUMBER 701-355-1705

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
STREETS AND HIGHWAYS

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
*Special Roads Projects	1	825,000	Sales Tax Fd	100	<b>165,000</b>	165,000	165,000	165,000	165,000
Concrete Pavement Repairs & Maintenance	2	7,245,200	Sales Tax Fd	23	<b>165,000</b>	288,750	225,500	470,250	539,000
			Special Asmt Bd	77	<b>543,000</b>	950,250	742,100	1,547,550	1,773,800
Asphalt Street Resurfacing and Reconstruction	3	79,225,200	Sales Tax Fd	38	<b>5,657,300</b>	5,782,700	6,850,250	6,052,750	6,030,200
			Special Asmt Bd	60	<b>7,961,300</b>	9,395,900	10,475,350	9,736,250	9,843,200
			Spec Deficiency	2	<b>270,000</b>	480,000	280,000	200,000	210,000
**Rural Roadway Upgrades	4	3,883,000	Sales Tax Fd	100	<b>880,000</b>	660,000	803,000	803,000	737,000
**Ditch Section Roadway Maintenance	5	18,800,000	Sales Tax Fd	23	<b>880,000</b>	880,000	880,000	880,000	880,000
			Special Asmt Bd	77	<b>2,880,000</b>	2,880,000	2,880,000	2,880,000	2,880,000
Main Avenue 3-Lane Conversion Project	6	663,300	Sales Tax Fd	100	<b>663,300</b>	-	-	-	-
***Fiber Optic Communications Network	7	5,495,180	Sales Tax Fd	100	<b>1,394,432</b>	1,226,148	1,156,932	1,072,928	644,740
City Wide Traffic Signal Upgrades	8	1,155,000	Sales Tax Fd	18	<b>210,000</b>	-	-	-	-
			Federal Grant	82	<b>945,000</b>	-	-	-	-
HSIP City Wide 3-Ln Roadway Conversions	9	1,540,000	Sales Tax Fd	18	-	280,000	-	-	-
			Federal Grant	82	-	1,260,000	-	-	-
43rd Ave N - Montreal St to State St	10	9,600,000	Sales Tax Fd	100	-	400,000	400,000	8,800,000	-
S Washington St - Burleigh Ave to Drainage	11	9,600,000	Sales Tax Fd	100	-	-	400,000	400,000	8,800,000
<b>TOTAL</b>		<b>138,031,880</b>			<b>22,614,332</b>	24,648,748	25,258,132	33,007,728	32,502,940
NON-CITY FUNDING		2,205,000			<b>945,000</b>	1,260,000	-	-	-
TOTAL CITY FUNDING		135,826,880			<b>21,669,332</b>	23,388,748	25,258,132	33,007,728	32,502,940

\*Requested but only \$50,000 was Approved by the Commission  
 \*\*Approved but funding from Reauthorized Sales Tax from Highway Construction  
 \*\*\*Requested but not Approved by the Commission

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: ENGINEERING      Project Title: CITY COMMISSION SPECIAL ROADS PROJECTS      Priority 1 of 11      1st Year: 2005

Description:  
Discretionary funds for the use by the Board of City Commissioners for projects they determine are necessary but have no other means of funding.

Justification  
Fund small street improvement projects that are needed but have no other means of funding. Engineering design and construction observation will be done with in house staff.

Scheduling and Project Status  
Annual submittal.

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000
Construction	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Other (specify)						
<b>Total</b>	<b>\$165,000</b>	<b>\$165,000</b>	<b>\$165,000</b>	<b>\$165,000</b>	<b>\$165,000</b>	<b>\$825,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$165,000	\$165,000	\$165,000	\$165,000	\$165,000	\$825,000
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$165,000</b>	<b>\$165,000</b>	<b>\$165,000</b>	<b>\$165,000</b>	<b>\$165,000</b>	<b>\$825,000</b>

PREPARER MARK A. BERG      PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: ENGINEERING      Project Title: CONCRETE PAVEMENT REPAIRS AND MAINTENANCE      Priority 2 of 11      1st Year: 2010

Description:  
Concrete pavement repairs including joint sealing, panel replacement, select reconstruction and drainage correction.

Justification  
Concrete roadways within the City have been identified as part of the pavement management program. The cost of repairing and maintenance of this roadways would typically be assessed to the adjacent property owner. The majority of roadways constructed using concrete are arterial roadways. The proposed work would be at a magnitude that exceeds Public Work's ability to address the maintenance. Current special assessment policy provides a 25% sales tax subsidy for engineering and construction costs for this project type.

Scheduling and Project Status  
This type of project would be done over a period of years. The project would coordinate with other infrastructure projects. See attached exhibit for proposed work areas.

Annual Impact on Income and Operating Costs  
Extend the life of the pavement.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$60,000	\$105,000	\$82,000	\$171,000	\$196,000	\$614,000
Construction	\$600,000	\$1,050,000	\$820,000	\$1,710,000	\$1,960,000	\$6,140,000
Other (special assessment additives)	\$48,000	\$84,000	\$65,600	\$136,800	\$156,800	\$491,200
<b>Total</b>	<b>\$708,000</b>	<b>\$1,239,000</b>	<b>\$967,600</b>	<b>\$2,017,800</b>	<b>\$2,312,800</b>	<b>\$7,245,200</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$165,000	\$288,750	\$225,500	\$470,250	\$539,000	\$1,688,500
Special Assessment Bonds	\$543,000	\$950,250	\$742,100	\$1,547,550	\$1,773,800	\$5,556,700
Other (specify) Area Wide						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$708,000</b>	<b>\$1,239,000</b>	<b>\$967,600</b>	<b>\$2,017,800</b>	<b>\$2,312,800</b>	<b>\$7,245,200</b>

PREPARER MARK A. BERG      PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: ENGINEERING      Project Title: ASPHALT STREET RESURFACING AND RECONSTRUCTION      Priority 3 of 11      1st Year: 2017

**Description:**  
Repairs and maintenance to City's asphalt street network. Proposed work includes mill and overlay (resurfacing) or reconstructed with subbase drainage system and cement treated subgrade. Project may incorporate underground utility improvements as needed. Project includes geotechnical analysis used during design development. Curb and gutter improvements are proposed to be included as project costs. Individual driveway replacements are proposed to continue to be assessed directly to the landowner. This CIP item combines previously separated Asphalt Street Resurfacing and Street Reconstruction and Subbase Drainage System items from previous CIP submittals.

**Special assessments are anticipated to be a contributing part of this project's funding, but the amount is yet to be determined.**

**Justification**  
Asphalt streets are resurfaced or reconstructed every 7-10 years for arterial roadways and 12-17 years for residential roadways in order to extend their service life. Current special assessment policy provides a 70% sales tax subsidy for the portion of the project that is reconstruction and 25% subsidy for the portion of the project that is resurfaced.

**Scheduling and Project Status**  
The project would be done over a period of years. The project would coordinate with street reconstruction projects. See attached exhibit for proposed work areas.

**Annual Impact on Income and Operating Costs**  
Extend life of the pavement and reduce maintenance costs in Roads and Streets.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$1,177,000	\$1,327,000	\$1,492,000	\$1,355,000	\$1,363,000	\$6,714,000
Construction	\$11,770,000	\$13,270,000	\$14,920,000	\$13,550,000	\$13,630,000	\$67,140,000
Other (special deficiency)	\$941,600	\$1,061,600	\$1,193,600	\$1,084,000	\$1,090,400	\$5,371,200
<b>Total</b>	<b>\$13,888,600</b>	<b>\$15,658,600</b>	<b>\$17,605,600</b>	<b>\$15,989,000</b>	<b>\$16,083,400</b>	<b>\$79,225,200</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$5,657,300	\$5,782,700	\$6,850,250	\$6,052,750	\$6,030,200	\$30,373,200
Special Assessment Bonds	\$7,961,300	\$9,395,900	\$10,475,350	\$9,736,250	\$9,843,200	\$47,412,000
Other (specify) Special Deficiency	\$270,000	\$480,000	\$280,000	\$200,000	\$210,000	\$1,440,000

<b>Non-City</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$13,888,600</b>	<b>\$15,658,600</b>	<b>\$17,605,600</b>	<b>\$15,989,000</b>	<b>\$16,083,400</b>	<b>\$79,225,200</b>

PREPARER MARK A. BERG

PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: ENGINEERING      Project Title: DITCH SECTION ROADWAY MAINTENANCE      Priority 4 of 11      1st Year: 2017

Description:  
5 Year program for maintaining existing functionally classified arterial and collector ditch section (rural) roadways strictly from a pavement management perspective. Improvement strategies would be overlays with patching while maintaining a ditch section roadway.

Justification  
There are a number of ditch section roadways functionally classified as arterials or collectors within City limits. These roadways are eligible for federal funds and have historically be converted to curb and gutter roadways as funding allows. These roadways were therefore not considered in annual roadway maintenance planning. With limited federal dollars for full conversion on the immediate horizon, a maintenance program is proposed to extend the useful life of these roadways. The roadways currently operate functionally from a traffic capacity and connectivity standpoint. The proposed maintenance program would extend the life of these roadways until funding becomes available to convert to a curb and gutter roadway or until significant capacity or safety improvements are needed.

Scheduling and Project Status  
The project would be done over a period of years. The project would coordinate with other street improvement projects. See attached exhibit for proposed work areas.

Annual Impact on Income and Operating Costs  
Extend life of the pavement and reduce maintenance costs in Roads and Streets.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$80,000	\$60,000	\$73,000	\$73,000	\$67,000	\$353,000
Construction	\$800,000	\$600,000	\$730,000	\$730,000	\$670,000	\$3,530,000
Other (specify)						
<b>Total</b>	<b>\$880,000</b>	<b>\$660,000</b>	<b>\$803,000</b>	<b>\$803,000</b>	<b>\$737,000</b>	<b>\$3,883,000</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund		\$660,000	\$803,000	\$803,000	\$737,000	\$3,003,000
Special Assessment Bonds						
Other (Reauthorize Sales Tax from HC)	\$880,000					\$880,000
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$880,000</b>	<b>\$660,000</b>	<b>\$803,000</b>	<b>\$803,000</b>	<b>\$737,000</b>	<b>\$3,883,000</b>

PREPARER MARK A. BERG      PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: ENGINEERING	Project Title: RURAL ROADWAY UPGRADES				Priority 5 of 11	1st Year: 2010
Description: Upgrade ditch section roadways (rural) to an curb and gutter section (urban). The Rural Roads Sales Tax Usage Policy adopted in by Commission in 2013 provides for sales tax usage for the purpose of holding costs for non-annexed properties in abeyance until the property is annexed and for other types of projects with their approval.  <b>Special assessments are anticipated to be a contributing part of this project's funding, but the amount is yet to be determined.</b>						
Justification There are a number of ditch section roadways within City limits. These ditch section roadways are now surrounded by the City but have never been upgraded to a curb and gutter roadway section. The cost of upgrading these roadways within the City would typically be accessed to the adjacent property owner. The rural road policy establishes eligibility for improvements if approved by the City Commission including overlays, street lights, temporary traffic signals, turn lanes, walking trails, drainage improvements, and upgrades to curb and gutter roadway section. The identified need of roadways that could be eligible for converting is approximately \$16,000,000 of construction. Some of these roadways would have a higher priority than others. This CIP assumes a non refundable cost sharing of up to 25% to subsidize the conversion of these roadways to a curb and gutter section by approval of the City Commission.						
Scheduling and Project Status The project would be done over a period of years. The project would coordinate with other street improvement projects. See attached exhibit for proposed work areas.						
Annual Impact on Income and Operating Costs Costs expended within the current policy are recouped if and when the property is annexed and the special assessments are levied on the property.						
<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$320,000	\$320,000	\$320,000	\$320,000	\$320,000	<b>\$1,600,000</b>
Construction	\$3,200,000	\$3,200,000	\$3,200,000	\$3,200,000	\$3,200,000	<b>\$16,000,000</b>
Other (specify)	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	<b>\$1,200,000</b>
<b>Total</b>	<b>\$3,760,000</b>	<b>\$3,760,000</b>	<b>\$3,760,000</b>	<b>\$3,760,000</b>	<b>\$3,760,000</b>	<b>\$18,800,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund		\$880,000	\$880,000	\$880,000	\$880,000	<b>\$3,520,000</b>
Special Assessment Bonds	\$2,880,000	\$2,880,000	\$2,880,000	\$2,880,000	\$2,880,000	<b>\$14,400,000</b>
Other (Reauthorize Sales Tax from HC)	\$880,000					<b>\$880,000</b>
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$3,760,000</b>	<b>\$3,760,000</b>	<b>\$3,760,000</b>	<b>\$3,760,000</b>	<b>\$3,760,000</b>	<b>\$18,800,000</b>
PREPARER MARK A. BERG		PREPARER'S PHONE NUMBER 355-1529				

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: ENGINEERING      Project Title: MAIN AVENUE 3-LANE CONVERSION PROJECT      Priority 6 of 11      1st Year: 2015

**Description:**  
 Permanent implementation of the 3-lane section or reversion back to a 4-lane section on Main Avenue from the west side of Washington Street bridge to 7th Street. Final decision to be made by City Commission.

**Justification**  
 Permanent implementation of 3-lane section would include placement of permanent plastic pavement marking (\$225,000), traffic signal equipment upgrades including controls and mast arms (\$360,000 for 5 locations), removal of existing overhead sign structure at 8th Street (\$8,000) and a raised median to channelize traffic west of the Washington Street bridge (\$10,000). If reverted to 4-lane, dollars would be used for permanent pavement marking and signing (\$150,000). No aesthetic median treatments (entrance signage, monuments, etc) are included in the CIP.

**Scheduling and Project Status**  
 Construction in 2018.

**Annual Impact on Income and Operating Costs**

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$60,300					\$60,300
Construction	\$603,000					\$603,000
Other (specify)						
<b>Total</b>	<b>\$663,300</b>					<b>\$663,300</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$663,300					
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$663,300</b>					<b>\$663,300</b>

PREPARER MARK A. BERG      PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: ENGINEERING      Project Title: FIBER OPTIC COMMUNICATIONS NETWORK      Priority 7 of 11      1st Year: 2016

**Description:**  
 This project will create a fiber optic network throughout the City primarily focused on providing communication to the traffic signals. The network is planned to have capacity to connect to other City buildings and facilities. For the 2018 budget year, this proposal is to install 6 miles of fiber and upgrade traffic control equipment in the core area of Bismarck. At the end of the 5-year plan, the intent is to have approximately 49 miles of fiber in place and the majority of city owned facilities connected on the fiber network. These funds would also be used for private public partnerships cost sharing opportunities to share trenches with partnering organizations.

**Justification**  
 This project would eliminate monthly reoccurring cost of renting telephone lines from Century Link to communicate with coordinated traffic signals. Project would relieve reliance on a third party provider for communication between buildings. Project will provide connectivity and increase options available for intelligent transportation systems including dynamic signal control, enhanced video capabilities and automatic traffic data collection. Fiber optic network would minimize response time exposure to City Employees by trouble-shooting signals remotely.

**Scheduling and Project Status**  
 Fiber optic study in final phases. Representatives from Public Works, Engineering and IT/GIS were involved in the development of the study. Commission authorized \$200,000 in 2017 CIP that has not been allocated to date.

**Annual Impact on Income and Operating Costs**  
 Remove monthly reoccurring costs for renting telephone lines. In the future may incur maintenance costs.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$212,695	\$181,040	\$176,481	\$163,667	\$84,097	<b>\$817,980</b>
Construction	\$1,181,737	\$1,045,108	\$980,451	\$909,261	\$560,643	<b>\$4,677,200</b>
Other (specify)						
<b>Total</b>	<b>\$1,394,432</b>	<b>\$1,226,148</b>	<b>\$1,156,932</b>	<b>\$1,072,928</b>	<b>\$644,740</b>	<b>\$5,495,180</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$1,394,432	\$1,226,148	\$1,156,932	\$1,072,928	\$644,740	<b>\$5,495,180</b>
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$1,394,432</b>	<b>\$1,226,148</b>	<b>\$1,156,932</b>	<b>\$1,072,928</b>	<b>\$644,740</b>	<b>\$5,495,180</b>

PREPARER MARK A. BERG      PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: ENGINEERING      Project Title: HSIP- CITY WIDE TRAFFIC SIGNAL UPGRADES      Priority 8 of 11      1st Year: 2016

Description:  
 HSIP- (HIGHWAY SAFETY IMPROVEMENT PROJECT) - HC17-110  
 Traffic signal upgrades at all applicable signals within the City to include pedestrian countdown signals and confirmation lights to aid Police in red light running enforcement.

Justification  
 NDDOT administered program with federal dollars to improve safety related infrastructure. Increased pedestrian safety with countdown signals. Increased vehicular safety by enabling police to enforce red light running more effectively. Sales tax proposed for engineering costs and 10% local match to 90% federal dollars.

Scheduling and Project Status  
 Design and bid in 2017, Construct in 2018. NDDOT has indicated they will provide federal dollars for construction administration engineering costs. NDDOT participation assumed to be \$0 for the purpose of the CIP submittal.

Annual Impact on Income and Operating Costs  
 Onetime Project. Would reduce need to maintain outdated pedestrian signals as most will be replaced. Additional costs for defective confirmation lights in the future.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$105,000					\$105,000
Construction	\$1,050,000					\$1,050,000
Other (specify)Right of way						
<b>Total</b>	<b>\$1,155,000</b>					<b>\$1,155,000</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$210,000					\$210,000
Special Assessment Bonds						
Other (specify)						

<b>Non-City</b>						
Private/Donations						
Federal Grant	\$945,000					\$945,000
State Grant						
<b>Total</b>	<b>\$1,155,000</b>					<b>\$1,155,000</b>

PREPARER MARK A. BERG      PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: ENGINEERING      Project Title: HSIP: CITY WIDE 3-LANE ROADWAY CONVERSIONS      Priority 9 of 11      1st Year: 2016

**Description:**  
 HSIP- (HIGHWAY SAFETY IMPROVEMENT PROJECT)  
 Traffic corridor improvements: conversion of two lane and four lane roadways to 3-lane roadways with exclusive center left turn lanes along various major corridors across Bismarck to improve safety for left turning vehicles and capacity for the roadway by providing a separate lane removing left turning vehicles from the through traffic. These corridors were identified in two studies, the MPO Low Cost Corridor Improvements and NDDOT Local Roads Safety Program.

**Justification**  
 NDDOT administered program with federal dollars to improve safety related infrastructure. Sales tax proposed for engineering costs and 10% local match to 90% federal dollars.

**Scheduling and Project Status**  
 Design and bid in 2018, construct in 2019. Engineering for this project will be conducted by Staff.

**Annual Impact on Income and Operating Costs**  
 In the future pavement markings installed on this project may require maintenance.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural		\$140,000				\$140,000
Construction		\$1,400,000				\$1,400,000
Other (specify) Right of way						
<b>Total</b>		<b>\$1,540,000</b>				<b>\$1,540,000</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund		\$280,000				\$280,000
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant		\$1,260,000				\$1,260,000
State Grant						
<b>Total</b>		<b>\$1,540,000</b>				<b>\$1,540,000</b>

PREPARER MARK A. BERG      PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: ENGINEERING | Project Title: 43RD AVENUE NORTH - MONTREAL STREET TO STATE STREET | Priority 10 of 11 | 1st Year: 2012

Description:  
Reconstruction of the existing ditch section two-lane roadway to a curb and gutter roadway section including lighting and pedestrian facilities.

**\*Special assessments are anticipated to be a contributing part of this project's funding, but the amount is yet to be determined.**

Justification  
Recommended in the LRTP (Long Range Transportation Plan) to improve capacity along the corridor.

Scheduling and Project Status  
Right of Way acquisition and preliminary design in 2019, design and bid in 2020, construct in 2021. Project will remain three years out in CIP until funding source for construction (federal or local) is identified.

Annual Impact on Income and Operating Costs  
Additional roadway width and infrastructure would require ongoing maintenance.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design		\$400,000				\$400,000
Engineering/Architectural			\$400,000	\$800,000		\$1,200,000
Construction				\$8,000,000		\$8,000,000
Other (specify) Right of way						
<b>Total</b>		<b>\$400,000</b>	<b>\$400,000</b>	<b>\$8,800,000</b>		<b>\$9,600,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund		\$400,000	\$400,000	\$8,800,000		\$9,600,000
Special Assessment Bonds *						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$400,000</b>	<b>\$400,000</b>	<b>\$8,800,000</b>		<b>\$9,600,000</b>

PREPARER MARK A. BERG | PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: ENGINEERING      Project Title: SOUTH WASHINGTON ST-BURLEIGH AVE TO THE DRAINAGE DITCH      Priority 11 of 11      1st Year: 2012

Description:  
 Reconstruction of the existing ditch section two-lane roadway to a curb and gutter roadway section including lighting and pedestrian facilities.

**\*Special assessments are anticipated to be a contributing part of this project's funding, but the amount is yet to be determined.**

Justification Recommended in the LRTP (Long Range Transportation Plan) to improve capacity along the corridor.

Scheduling and Project Status  
 Right of Way acquisition and preliminary design in 2020, design and bid in 2021, construct in 2022. Project will remain four years out in CIP until funding source for construction (federal or local) is identified.

Annual Impact on Income and Operating Costs  
 Additional roadway width and infrastructure would require ongoing maintenance.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design			400000			\$400,000
Engineering/Architectural				\$400,000	\$800,000	\$1,200,000
Construction					\$8,000,000	\$8,000,000
Other (specify)Right of way						
<b>Total</b>			<b>\$400,000</b>	<b>\$400,000</b>	<b>\$8,800,000</b>	<b>\$9,600,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund			\$400,000	\$400,000	\$8,800,000	\$9,600,000
Special Assessment Bonds *						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$400,000</b>	<b>\$400,000</b>	<b>\$8,800,000</b>	<b>\$9,600,000</b>

PREPARER MARK A. BERG      PREPARER'S PHONE NUMBER 355-1529

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
**UTILITY OPERATIONS - SANITARY SEWER**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
Lift Station Repair Work	1	5,491,000	Sewer Utility	100	<b>341,000</b>	150,000	3,000,000	2,000,000	-
19th St Manhole Relocation	2	165,000	Sewer Utility	100	<b>165,000</b>	-	-	-	-
Rehabilitation of Sewer Lines	3	3,335,000	Sewer Utility	100	<b>420,000</b>	935,000	660,000	660,000	660,000
SCADA System Upgrade	4	2,175,000	Sewer Utility	100	<b>175,000</b>	500,000	500,000	500,000	500,000
New Development of Sewer Lines	5	2,431,000	Private/Donations	100	<b>1,705,000</b>	-	-	726,000	-
New Development of Sewer Lines	6	7,364,000	Sewer Utility	100	-	3,635,000	3,729,000	-	-
<b>TOTAL</b>		20,961,000			<b>2,806,000</b>	5,220,000	7,889,000	3,886,000	1,160,000
NON-CITY FUNDING		2,431,000			<b>1,705,000</b>	-	-	726,000	-
TOTAL CITY FUNDING		18,530,000			<b>1,101,000</b>	5,220,000	7,889,000	3,160,000	1,160,000



## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW - Utility Operations | Project Title: Sanitary Sewer - 19th St Manhole Relocation | Priority 2 of 6 | 1st Year: 2018

**Description:**  
 N 19th Street SW outfall and Sanitary Sewer MH relocation - Relocate manhole(s) out of the storm water conveyance for the 19th Street outfall at Pebble Creek Golf Course. Dealing with erosion issues and exposed sanitary sewer pipe.

**Justification**  
 Erosion from the storm water conveyance is exposing the sanitary sewer.

**Scheduling and Project Status**

**Annual Impact on Income and Operating Costs**

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$15,000					\$15,000
Construction	\$150,000					\$150,000
Other (specify)						
<b>Total</b>	<b>\$165,000</b>					<b>\$165,000</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$165,000					\$165,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$165,000</b>					<b>\$165,000</b>

PREPARER: Michelle Klose | PREPARER'S PHONE NUMBER: 355-1704

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW - Utility Operations	Project Title: Sanitary Sewer - Rehab	Priority 3 of 6	2014
-------------------------------------	---------------------------------------	-----------------	------

**Description:**  
 Reoccurring rehabilitation of sewer lines. Priority areas will be identified each year with concentration on areas of within the street reconstruction areas along with water main replacements.  
 2018 CIPP Sanitary Sewer Relining - Boehm Drive to 18th Street and Michigan Ave to 16th Street/Expressway  
 2019 Casey's Addition - CIPP Relining  
 2020 to 2022 - Priority areas to be identified each year.

**Justification**

**Scheduling and Project Status**

**Annual Impact on Income and Operating Costs**

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$100,000	\$85,000	\$60,000	\$60,000	\$60,000	<b>\$365,000</b>
Construction	\$320,000	\$850,000	\$600,000	\$600,000	\$600,000	<b>\$2,970,000</b>
Other (specify)						
<b>Total</b>	<b>\$420,000</b>	<b>\$935,000</b>	<b>\$660,000</b>	<b>\$660,000</b>	<b>\$660,000</b>	<b>\$3,335,000</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$420,000	\$935,000	\$660,000	\$660,000	\$660,000	<b>\$3,335,000</b>
Motel/Liquor/Restaurant Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$420,000</b>	<b>\$935,000</b>	<b>\$660,000</b>	<b>\$660,000</b>	<b>\$660,000</b>	<b>\$3,335,000</b>

PREPARER: Michelle Klose	PREPARER'S PHONE NUMBER: 355-1704	
--------------------------	-----------------------------------	--



## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW - Utility Operations      Project Title: Sanitary Sewer - New Development      Priority 5 of 6      1st Year: 2018

Description: Construction of new sewer line(s) to serve Silver Ranch Addition. Phase 1 and 2 is dependent the developer of Silver Ranch Addition providing a commitment to annex a minimum number of lots, in a given time as will be identified in a Development Agreement and associated petitions. Phase 3 will require a similar level of commitment from the developer with the remainder of the Addition to be annexed.

2018- Silver Ranch - Phase 1 - Sanitary Sewer Extension - Interstate crossing (Total: \$605,000, Const. \$550,000 , Eng. \$55,000) 700 LF of 12" sewer  
 2018- Phase 2 - Extension from the Interstate crossing to the southeast corner of the addition(Total:1,100,000, Const. \$1,000,000, Eng. \$100,000) 4500 LF/12"  
 2021- Silver Ranch- Phase 3 - Extension from the SE corner of the addition to the north addition line (Total: \$726,000, Const.\$660,000, Eng. \$66,000) 2750 LF

of 12" swr  
 Justification

**Scheduling and Project Status**

Annual Impact on Income and Operating Costs      A development agreement has not been signed. There is limited utility funding to support the distance to extend this service, and setting aside funding to plan for it would delay work on existing infrastructure. The amounts below are total cost. If the development was pursued by the city and funding available, the Utility would cover \$1,705,000 in 2018 and \$726,000 in 2021. Total \$2,431,000.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$155,000			\$66,000		\$221,000
Construction	\$1,550,000			\$660,000		\$2,210,000
Other (specify)						
<b>Total</b>	<b>\$1,705,000</b>			<b>\$726,000</b>		<b>\$2,431,000</b>

**Project Funding:**  
**City**

Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

**Non-City**

Private/Donations	\$1,705,000			\$726,000		\$2,431,000
Federal Grant						
State Grant						
<b>Total</b>	<b>\$1,705,000</b>			<b>\$726,000</b>		<b>\$2,431,000</b>

PREPARER: Michelle Klose	PREPARER'S PHONE NUMBER: 355-1704	
--------------------------	-----------------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW - Utility Operations	Project Title: Sanitary Sewer - Development	Priority 6 of 6	1st Year: 2018			
Description: Construction of new sewer line(s) to serve the remaining undeveloped Tyler Coulee Sewershed and to serve Eagle Crest 1st, resulting in removal of a lift station. Requires the commitment of several developers to annex a minimum number of lots, in a given time. With the addition of the sewer extension, the existing sewer main will need to be upgraded from Tyler Parkway to Pioneer Park Lift Station. 2019- Tyler Coulee - As identified in 2016 Master Plan, Alternate 1 (Total: \$3,635,000, Const. \$3,305,000 , Eng. \$330,00) 700 LF of 12" sewer main. 2020- Silver Ranch -2016 Master Plan, Alternate 1(Total: \$3,729,000, Const. \$3,390,000 , Eng. \$339,000) 700 LF of 12" sewer. 2023 -From 2016 Master Plan, Alt 1 - Upgrade of existing for deficiency Tyler Pkwy to Valley Emb.(Total: \$880,000, Const. \$800,000 , Eng. \$80,000) 2023 - Upgrade of existing for deficiency Valley Emb. to Lift Station. (Total: \$1,089,000, Const. \$990,000 , Eng. \$99,000)						
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
The Utility Fund will have difficulty funding these development projects in 2019 and 2020. The additional improvements at the wastewater treatment plant to remove the consent agreement and covering the existing debt payments are a priority.						
<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural		\$330,000	\$339,000			<b>\$669,000</b>
Construction		\$3,305,000	\$3,390,000			<b>\$6,695,000</b>
Other (specify)						
<b>Total</b>		<b>\$3,635,000</b>	<b>\$3,729,000</b>			<b>\$7,364,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$3,635,000	\$3,729,000			<b>\$7,364,000</b>
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$3,635,000</b>	<b>\$3,729,000</b>			<b>\$7,364,000</b>
PREPARER: Michelle Klose		PREPARER'S PHONE NUMBER: 355-1704				

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
**UTILITY OPERATIONS - WATER ADMINISTRATION**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
Public Works HVAC	1	228,000	Water Utility	100	<b>228,000</b>	-	-	-	-
PW Parking Lot Expansion	2	252,000	Water Utility	100	-	-	252,000	-	-
Roofing Replacement	3	1,000,000	Water Utility	100	-	-	-	1,000,000	-
Public Works Building Addition	4	11,095,000	Water Utility	100	-	-	505,000	5,740,000	4,850,000
Public Works Truck Barn	5	5,325,000	Water Utility	100	-	-	-	-	5,325,000
<b>TOTAL</b>		17,900,000			<b>228,000</b>	-	757,000	6,740,000	10,175,000
NON-CITY FUNDING		-			-	-	-	-	-
<b>TOTAL CITY FUNDING</b>		17,900,000			<b>228,000</b>	-	757,000	6,740,000	10,175,000

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Public Works Adm      Project Title: Public Works HVAC      Priority 1 of 5 1st Year: 2015

Description: The make-up air unit referred to as MU-6 has not run in over a year. This unit produces a strong natural gas odor when operating. This project involves the removal and replacement of MU-6 air handler and the addition of a condensing unit to provide cooling. Associated ductwork will be installed along with the removal of the previous ducting. Return air ducts will be installed as well to meet code.

Rooftop condensing unit, split system make-up air unit, ductwork.

**Justification**

There is currently only one condensing unit servicing one air handler. A new unit would reduce humidity in the building significantly. Reduced humidity makes the air feel cooler and would cause the heat pumps to run less. The new unit and ductwork would provide fresh, clean air to 7 office areas.

**Scheduling and Project Status**

RFQ in fourth quarter of 2017. Engineering design in first quarter of 2018. Bidding in second quarter of 2018. Construction beginning in third quarter of 2018. Construction to be completed in first quarter of 2019.

**Annual Impact on Income and Operating Costs**

With the heat pumps running less, electrical costs will be reduced. More efficient than a separate dehumidifier. Heating load on boiler and heat pumps will be reduced, saving on maintenance costs. --- Expect approx. \$100K would be spent in 2018 with the remaining cash flow in 2019.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural	\$30,000					\$30,000
Construction	\$180,000					\$180,000
Other (contingency)	\$18,000					\$18,000
<b>Total</b>	<b>\$228,000</b>					<b>\$228,000</b>

**Project Funding:  
City**

Enterprise Construction Reserves	\$228,000					\$228,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$228,000</b>					<b>\$228,000</b>

PREPARER: Michelle	PREPARER'S PHONE NUMBER: 701-355-1704	
--------------------	---------------------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Public Works Adm      Project Title: PW Parking Lot Expansion      Priority 2 of 5 1st Year: 2017

Description: Expand parking lot to include 60 additional parking spaces.

Justification Existing lot is filled with Public Works staff leaving only about 30 parking spots for others. That limits use of the large meeting room to 30 people. Many training sessions exceed that number and often with staff who are not from Public Works. Summer with interns added and Engineering staff use makes that even worse. Adding staff to Public Works will further compound the issue and further limit use of the meeting room.

Scheduling and Project Status

Annual Impact on Income and Operating Costs      No added operating costs. Prevents vehicle damage from congested parking.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural			\$21,000			\$21,000
Construction			\$210,000			\$210,000
Other (specify)			\$21,000			\$21,000
<b>Total</b>			<b>\$252,000</b>			<b>\$252,000</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves			\$252,000			\$252,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$252,000</b>			<b>\$252,000</b>

PREPARER LaVonne Wohl

PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Public Works Adm      Project Title: Roofing Replacement      Priority 3 of 5      1st Year: 2015

Description: Replace existing mechanically attached EPDM roof membrane and insulation system with a new membrane and insulation system with improved drainage.

Justification Existing system will be nearing 20 years of age. It is currently showing signs of aging and has soft/spongy insulation in places indicating wetness below the membrane.

Scheduling and Project Status RFQ fourth quarter of 2020. Design first quarter 2021. Bidding and start of construction third quarter 2021 with completion by June 1, 2022.

Annual Impact on Income and Operating Costs Will reduce energy costs with improved insulation. Wet insulation increases energy costs dramatically. Reduces risk to computers and other equipment below which cannot tolerate roof leaks.

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural				\$70,000		\$70,000
Construction				\$930,000		\$930,000
Other (specify)						
<b>Total</b>				<b>\$1,000,000</b>		<b>\$1,000,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves				\$1,000,000		\$1,000,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>				<b>\$1,000,000</b>		<b>\$1,000,000</b>

PREPARER LaVonne Wohl

PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Public Works Adm      Project Title: Public Works Building Addition      Priority 4 of 5 1st Year: 2017

Description: Building Addition of 12,000 square feet office, 12,000 square feet shelled space for future completion, 26,000 square feet temp controlled shop. Renovation of 9500 square feet. Renovation would expand current break room and reconfigure locker space for multiple departments. Five different department spaces would be shifted and expanded to meet growing needs. Upgrading lube room and welding shop to meet current Building Code and OSHA requirements is included. Two story addition would be finished on first floor and unfinished on second level for future expansion for office space and 26,000 square foot expansion for Street department equipment parking. Parking lot expansion is addressed in a separate CIP as is a Truck Barn for unheated vehicle storage. New secure entrance would be included. Street Department office and a separate locker room and break room/briefing room would be in new addition, adjacent to equipment parking space to improve efficiency of movement and reduce tracking through building with patching materials.

Justification Though city infrastructure has expanded and staffing to support that has been added, the Public Works building has not added space to support that. Available storage space has been converted to office space in locations not set up to be occupied spaces. Crowded interior parking has many vehicles parked outside. The safety and health of staff working in crowded or not intended for occupancy spaces challenges performance and morale.

Scheduling and Project Status RFQ for design last quarter 2019. Design begins first quarter 2020. Bidding first quarter 2021. Construction second quarter 2021. Completion November 1, 2022.

Annual Impact on Income and Operating Costs Protecting existing staff and equipment prevents the risk of damage to equipment and injuries and lost production for staff. Extra energy costs for addition will be efficient since about half of the perimeter will be adjacent to existing heated space. It will not increase cleaning costs significantly since most staff is already present in the building. Extra shop space has limited maintenance requirements.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural			\$500,000	\$170,000		\$670,000
Construction				\$4,700,000	\$4,000,000	\$8,700,000
Other (soil tests, contingency, furnishi			\$5,000	\$870,000	\$850,000	\$1,725,000
<b>Total</b>			<b>\$505,000</b>	<b>\$5,740,000</b>	<b>\$4,850,000</b>	<b>\$11,095,000</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$505,000	\$5,740,000	\$4,850,000	\$11,095,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$505,000</b>	<b>\$5,740,000</b>	<b>\$4,850,000</b>	<b>\$11,095,000</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: Public Works Adm      Project Title: PW Truck Barn      Priority 5 of 5 1st Year: 2017

Description: Construct new building for equipment storage that is unheated, but providing protection from weathering and deterioration. It would also provide storage space for materials affected by weather and UV but not cold.

Justification Due to crowded conditions in the Public Works vehicle storage area and equipment area, equipment that is not in active use is stored outside. Many components are then exposed to weather and UV rays that deteriorate those over time, increasing repairs needed while equipment is not being used.

Scheduling and Project Status RFQ for AE fourth quarter 2021. Design first quarter 2022. Bidding and start of construction third quarter 2022. Completion by July 1, 2023.

Annual Impact on Income and Operating Costs Limited additional building maintenance costs as building is unheated. Reduced costs in replacing components deteriorated by exposure to sunlight when not being used.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural					\$40,000	\$40,000
Construction					\$4,800,000	\$4,800,000
Other (soil tests, contingency)					\$485,000	\$485,000
<b>Total</b>					<b>\$5,325,000</b>	<b>\$5,325,000</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves					\$5,325,000	\$5,325,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>					<b>\$5,325,000</b>	<b>\$5,325,000</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 355-1743

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
**UTILITY OPERATIONS - STORM SEWER**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
Storm Sewer Improvements/Mtce	1	475,000	Enterprise Reserve	100	<b>75,000</b>	100,000	100,000	100,000	100,000
Storm Sewer New Development	2	4,896,542	Enterprise Reserve	100	<b>1,500,000</b>	213,579	207,831	191,385	2,783,747
<b>TOTAL</b>		<b>5,371,542</b>			<b>1,575,000</b>	313,579	307,831	291,385	2,883,747
NON-CITY FUNDING		-			-	-	-	-	-
<b>TOTAL CITY FUNDING</b>		<b>5,371,542</b>			<b>1,575,000</b>	<b>313,579</b>	<b>307,831</b>	<b>291,385</b>	<b>2,883,747</b>

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW - Utilities      Project Title: Storm Sewer - Improvements      Priority 1 of 2      1st Year: 2016

Description: Improvements or maintenance is required on larger projects each year. This is a recurring need and specific projects will be identified each year.

**2018** -Stormwater inlet improvements tied to N 4th street road project, est edge of state capitol - \$75,000

**2018**- Engineering work on design on Kohl's outfall, project may be assessed.

Justification

Scheduling and Project Status

Annual Impact on Income and Operating Costs

Project Costs:	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$75,000	\$100,000	\$100,000	\$100,000	\$100,000	\$475,000
Other (Land Purchase)						
<b>Total</b>	<b>\$75,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$475,000</b>

Project Funding:	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves	\$75,000	\$100,000	\$100,000	\$100,000	\$100,000	\$475,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$75,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$475,000</b>

PREPARER Michelle Klose - Public Works      PREPARER'S PHONE NUMBER 355-1535

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW - Utilities	Project Title: Storm Sewer - Development Related	Priority 2 of 2	1st Year: 2017				
Description: These are anticipated projects for Stormwater Improvements in conjunction with new development. <b>2018</b> -Section 17 Ponds (West of Washington St.) - abeyance portion of land purchases (Clairmont Trust, Mapleton Investors, Brei Estates), final 25% of 2017 const. <b>2019</b> - Tyler Coulee Regional Detention Facility at Clairmont RD <b>2020</b> - Tyler Coulee Regional Detention Facility at Valley DR <b>2021</b> - Tyler Coulee Regional Detention Facility at Tyler Parkway <b>2022</b> - Tyler Coulee Regional Detention Facility at Eagle Crest Regional Facility Construction Costs include 10% Contingency, 10% Engineering, 5% Administration, and 5% Interest <b>2022</b> - Hay Creek Stormwater Master Plan - \$500,000 <b>2023</b> - US 83-1804 - Master Plan - timing is development driven Each year there is engineering costs to address stormwater development projects for new development, estimate \$75,000							
Justification These regional detention facilities are required to allow development to continue in existing partially built out areas.							
Scheduling and Project Status Construction required as development triggers are met.							
Annual Impact on Income and Operating Costs Prices shown assume utility fund to fully pay abeyance portion of assessments the year of construction. Payments are significant if paid up front in full as shown below. If paid annually through an assessment, cumulative payments with other existing abeyance payments and annual maintenance obligations still creates a large impact on the utility fund.							
<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>	
Planning & Preliminary Design					\$500,000	<b>\$500,000</b>	
Engineering/Architectural	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	<b>\$375,000</b>	
Construction	\$833,198	\$138,579	\$132,831	\$116,385	\$419,985	<b>\$1,640,978</b>	
Other (Land Purchase)	\$591,802				\$1,788,762	<b>\$2,380,564</b>	
<b>Total</b>	<b>\$1,500,000</b>	<b>\$213,579</b>	<b>\$207,831</b>	<b>\$191,385</b>	<b>\$2,783,747</b>	<b>\$4,896,542</b>	
<b>Project Funding:</b>							
<b>City</b>							
Enterprise Construction Reserves	\$1,500,000	\$213,579	\$207,831	\$191,385	\$2,783,747	<b>\$4,896,542</b>	
Motel/Liquor/Restaurant							
Building Construction							
Sales Tax Fund							
Special Assessment Bonds							
Other (specify)							
<b>Non-City</b>							
Private/Donations							
Federal Grant							
State Grant							
<b>Total</b>	<b>\$1,500,000</b>	<b>\$213,579</b>	<b>\$207,831</b>	<b>\$191,385</b>	<b>\$2,783,747</b>	<b>\$4,896,542</b>	
PREPARER Mike Greer - Engineering		PREPARER'S PHONE NUMBER 355-1535					

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
**UTILITY OPERATIONS - WATER TREATMENT PLANT**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
Water Treatment Plant-Improvements	1	1,655,000	Water Utility	100	<b>340,000</b>	300,000	940,000	75,000	-
Boiler Replacement	2	87,500	Water Utility	100	<b>87,500</b>	-	-	-	-
TOTAL		1,742,500			<b>427,500</b>	300,000	940,000	75,000	-
NON-CITY FUNDING		-			-	-	-	-	-
TOTAL CITY FUNDING		1,742,500			<b>427,500</b>	300,000	940,000	75,000	-

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW- Utilities	Project Title: Water Treatment Plant - Improvements	Priority 1 of 2	1st Year: 2018			
Description: 2018 (or 2017) Design and construct secondary lime slaker, \$340,000. New RDP requires smaller sized pebbled lime, need dual slakers to feed the system. Health Department has also identified this restriction as an issue, if any repairs are needed to primary system water treatment is halted. 2019 Design new 150 ton lime bulk storage to meet 10 State Standards to assure adequate supply \$50,000 Eng 2019 Road work at WTP, evaluation will be completed by Engineering in 2017 to determine work to be completed, roughly estimated \$250,000 2020 Construction of the lime bulk storage \$940,000 2021 Filter Evaluation \$75,000						
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural		\$50,000	\$40,000			\$90,000
Construction	\$340,000	\$250,000	\$900,000	\$75,000		\$1,565,000
Other (specify)						
<b>Total</b>	<b>\$340,000</b>	<b>\$300,000</b>	<b>\$940,000</b>	<b>\$75,000</b>		<b>\$1,655,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$340,000	\$300,000	\$940,000	\$75,000		\$1,655,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$340,000</b>	<b>\$300,000</b>	<b>\$940,000</b>	<b>\$75,000</b>		<b>\$1,655,000</b>
PREPARER	PREPARER'S PHONE NUMBER					

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW- Utilities	Project Title: Water Treatment Plant Boiler Replacement	Priority 2 of 2	1st Year: 2016			
<b>Description:</b> This project involves the removal of two steam boilers and their associated pumps. Two new hot water boilers, pumps and piping are to be installed. The radiative baseboards will be removed and new hot water radiators will be installed. A dehumidifier will be added to the mechanical room.						
<b>Justification</b> The current boilers are in a very poor condition. Several connections are rusting out and can cause the leaking of harmful gases into the building. Breakdowns are also frequent with the boilers. The current setup struggles to provide enough heat to the building even when fully operational.						
<b>Scheduling and Project Status</b> Engineering design and construction documents in first and second quarter. Bidding to go out in third quarter. Construction to be started in fourth quarter.						
<b>Annual Impact on Income and Operating Costs</b> The new boilers will be much more efficient and should reduce the natural gas bill. Maintenance to keep the old boilers running is expensive. If a failure were to occur, the cost of a rushed unit along with temporary heat would be very high.						
<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$10,500					\$10,500
Construction	\$70,000					\$70,000
Other (specify)	\$7,000					\$7,000
<b>Total</b>	<b>\$87,500</b>					<b>\$87,500</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$87,500					\$87,500
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$87,500</b>					<b>\$87,500</b>
Lavonne Wohl		701-214-1824				

**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
**UTILITY OPERATIONS - WATER DISTRIBUTION**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
Water Street Reconstr & Main Replacement	1	20,812,000	Water Utility	100	<b>3,201,000</b>	4,554,000	4,708,000	3,135,000	5,214,000
Water Main Extensions	2	1,797,500	Water Utility	69	<b>165,000</b>	366,600	505,400	-	200,000
			Private/Donations	31	<b>170,500</b>	-	390,000	-	-
Water Main Extensions - Silver Ranch	3	3,482,600	Private/Donations	100	<b>892,100</b>	748,000	1,265,000	577,500	-
Water Distribution-Maintenance	4	650,000	Water Utility	100	<b>75,000</b>	175,000	50,000	250,000	100,000
Water Distribution-Lockport	5	3,300,000	Water Utility	100	-	300,000	3,000,000	-	-
Valve and Hydrant Replacements	6	396,000	Water Utility	100	-	99,000	99,000	99,000	99,000
<b>TOTAL</b>		<b>30,438,100</b>			<b>4,503,600</b>	6,242,600	10,017,400	4,061,500	5,613,000
<b>NON-CITY FUNDING</b>		<b>4,043,100</b>			<b>1,062,600</b>	748,000	1,655,000	577,500	-
<b>TOTAL CITY FUNDING</b>		<b>26,395,000</b>			<b>3,441,000</b>	5,494,600	8,362,400	3,484,000	5,613,000



## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW - Utility Operations	Project Title: Water Distribution - Water Main Extensions	Priority 2 of 6	1st Year: 2018			
Description: Extension of water main to service various development through out the City. All items shown require a level of commitment from the developer(s). Any areas not directly adjacent to the corporate limits with utilities readily able to be extended may require a deeper commitment from the developer. 2018 - Wm Ext. Zone 4 Washington Street- 57th Ave to Greenfield 850' of 16 " (Total: \$165,000, Const. \$15,000 , Eng. \$150,000) 2019 - Bowen Ave 3rd to 5th Street - 12" Zone 1, 750LF (Total: \$140,000, Const. \$110,000 , Eng. \$30,000) 2018- Yegen Road - Extension of 1350' of 12" to service lots E of Yegen Rd/S of Morrison- Annexation required (Total: \$170,500, Const.\$155,000, Eng.\$15,500) 2019 - Wm Ext, Zone 3, Clairmont Rd through Prom Pt 6th (Total: \$226,600, Const. \$206,000 , Eng. \$20,600) 2020 - Extension of 16" Wm on N 19th Street from Memory First to JMac Addition City to cover oversized cost (Total: \$895,400, Const. \$814,000 , Eng. \$81,400) 2022 - Land Purchase - future water main Zone 3 - area near 43rd Ave & 52nd Street (Cost: \$200,000)						
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$30,500	\$50,600	\$81,400			<b>\$162,500</b>
Construction	\$305,000	\$316,000	\$814,000			<b>\$1,435,000</b>
Other (specify) Land purchase					\$200,000	<b>\$200,000</b>
<b>Total</b>	<b>\$335,500</b>	<b>\$366,600</b>	<b>\$895,400</b>		<b>\$200,000</b>	<b>\$1,797,500</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$165,000	\$366,600	\$505,400		\$200,000	<b>\$1,237,000</b>
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations	\$170,500		\$390,000			<b>\$560,500</b>
Federal Grant						
State Grant						
<b>Total</b>	<b>\$335,500</b>	<b>\$366,600</b>	<b>\$895,400</b>		<b>\$200,000</b>	<b>\$1,797,500</b>
PREPARER: Michelle Klose		PREPARER'S PHONE NUMBER: 355-1704				

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW - Utility Operations	Project Title: Water Distribution - Water Main Extensions	Priority 3 of 6	1st Year: 2018			
Description: Construction of new water transmission main to serve Silver Ranch Addition and other areas within Zone 3 outside of plat. Construction of the 24" water main along 43rd Ave is dependent on the developer of Silver Ranch Addition providing a commitment to annex a minimum number of lots, in a given time, to be identified in a Development Agreement and associated petitions. Construction of the 12" service main will require a similar level of commitment from the developer including applicable petitions, developer pre-payments and annexation of Silver Blvd and Gold Dr in Silver Ranch Addition. Work to include the following: 2018 - Silver Ranch - 16" Zone 3 Hitchcock to Gold Drive & north addition line, 2600LF (Total: \$386,100, Const \$351,000, Eng. \$35,100) 2018- Silver Ranch -12" Wm- along Silver Blvd/Gold Dr - Developer to pre-pay the cost of a 8" Wm (Total: \$506,000, Eng. \$46,000, Const. \$460,000) 2019 - Silver Ranch - 24" Wm - 43rd Av - Centennial Rd. to Roosevelt Drive 2750 LF (Total: \$748,000, Const. \$680,000, Eng. \$68,000) 2020- Silver Ranch - 24" Wm - 43rd Av - Roosevelt Drive to Silver Blvd, 4500LF (Total: \$1,265,000 Const. \$1,150,000, Eng. \$115,000) 2021 - Silver Ranch - 24" Wm - 43rd Av - Silver Blvd to the east Silver Ranch addition line 2000 LF (Total: \$470,000, Const. \$427,000, Eng. \$43,000)						
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs <span style="float: right;">A development agreement has not been signed. There is limited utility funding to support the distance to extend this service, and setting aside funding to plan for it would delay work on existing infrastructure. The amounts below are total cost. If the development was pursued by the city and funding available, the Utility would cover \$520,100 in 2018, \$748,000 in 2019, \$1,256,000 in 2020, and \$484,000 in 2021. Total \$3,008,100.</span>						
<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$81,100	\$68,000	\$115,000	\$52,500		<b>\$316,600</b>
Construction	\$811,000	\$680,000	\$1,150,000	\$525,000		<b>\$3,166,000</b>
Other (specify)						
<b>Total</b>	<b>\$892,100</b>	<b>\$748,000</b>	<b>\$1,265,000</b>	<b>\$577,500</b>		<b>\$3,482,600</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations	\$892,100	\$748,000	\$1,265,000	\$577,500		<b>\$3,482,600</b>
Federal Grant						
State Grant						
<b>Total</b>	<b>\$892,100</b>	<b>\$748,000</b>	<b>\$1,265,000</b>	<b>\$577,500</b>		<b>\$3,482,600</b>
PREPARER: Michelle Klose		PREPARER'S PHONE NUMBER: 355-1704				

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW - Utility Operations    Project Title: Water Distribution - Maintenance    Priority 4 of 6    1st Year: 2018

Description:  
 2018 SCADA, project over several years  
 2019 paving Northwest pump station - \$75,000  
 2020 Inspection of 43rd tower \$50,000 (inspection and repairs are dependent on construction on Lockport pump station, system cannot be taken down w/o it)  
 2021 Rehab of 43rd tower -repairs and coating- \$250,000  
 2022 Demolition of Mandan Tower - \$100,000

Justification

Scheduling and Project Status

Annual Impact on Income and Operating Costs

PW

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design	\$75,000	\$100,000				
Engineering/Architectural						
Construction		\$75,000	\$50,000	\$250,000	\$100,000	<b>\$475,000</b>
Other (specify)						
<b>Total</b>	<b>\$75,000</b>	<b>\$175,000</b>	<b>\$50,000</b>	<b>\$250,000</b>	<b>\$100,000</b>	<b>\$650,000</b>

<b>Project Funding:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves	\$75,000	\$175,000	\$50,000	\$250,000	\$100,000	<b>\$650,000</b>
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$75,000</b>	<b>\$175,000</b>	<b>\$50,000</b>	<b>\$250,000</b>	<b>\$100,000</b>	<b>\$650,000</b>

PREPARER: Michelle Klose

PREPARER'S PHONE NUMBER: 355-1704





**CAPITAL IMPROVEMENT PROGRAM (2018-2022)**  
**UTILITY OPERATIONS - WASTEWATER TREATMENT PLANT**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2018	2019	2020	2021	2022
Trickling Filter	1	400,000	Sewer Utility	100	<b>400,000</b>	-	-	-	-
Consent Agreement	2	9,000,000	Sewer Utility	100	<b>200,000</b>	2,200,000	2,200,000	2,200,000	2,200,000
Wastewater Treatment Plant - Roof	3	70,000	Sewer Utility	100	<b>70,000</b>	-	-	-	-
Wastewater Trtmnt PI - Storm Disconnects	4	515,000	Sewer Utility	100	<b>50,000</b>	365,000	100,000	-	-
<b>TOTAL</b>		9,985,000			<b>720,000</b>	2,565,000	2,300,000	2,200,000	2,200,000
NON-CITY FUNDING		-			-	-	-	-	-
<b>TOTAL CITY FUNDING</b>		9,985,000			<b>720,000</b>	2,565,000	2,300,000	2,200,000	2,200,000

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW- Utilities      Project Title: Wastewater Treatment Plant - Trickling Filter      Priority 1 of 4      1st Year: 2014

**Description:**

The Phase II project was awarded in 2017. There are additional engineering services that will be added to the contract in 2018 to finish the construction administration on the Phase II work. \$400,000  
 The cost for remaining Phase II construction work is accounted for within the cash flow.

**Justification**

**Scheduling and Project Status**

**Annual Impact on Income and Operating Costs**

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$400,000					\$400,000
Construction						
Other (specify)						
<b>Total</b>	<b>\$400,000</b>					<b>\$400,000</b>

**Project Funding:  
City**

Enterprise Construction Reserves	\$400,000					\$400,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$400,000</b>					<b>\$400,000</b>

PREPARER

PREPARER'S PHONE NUMBER

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW- Utilities      Project Title: Wastewater Treatment Plant - Consent Agreement      Priority 2 of 4      1st Year: 2017

**Description:**

2018 Complete tasks related to the Consent Agreement, develop preliminary engineering report and scheduling for construction of the final clarifier, splitter box to properly split flow between all four clarifiers, equalization basin to help reduce sulfides coming into the plant, and final disinfection as the water leaves the plant.

2018 Study on Biosolids handling

Note: The startup of the Phase I Trickling Filter is providing good results and the improved treatment may affect the order of the remaining required work. Longer experience with the new trickling filter may adjust how we need to address biosolids and the phasing of the remaining work.

**Justification**

The wastewater treatment plant is under a consent agreement with the regulatory agency. There are specific construction projects and tasks that are required to be completed and these items will assist the plant operations in keeping in compliance on a routine basis.

**Scheduling and Project Status**

Following completion of the preliminary report and scheduling will be better defined.

**Annual Impact on Income and Operating Costs**

Concerned that delays in these projects can adversely affect plant operations and the ability to handle additional water supplies from new development.

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design	\$200,000					<b>\$200,000</b>
Engineering/Architectural		\$200,000	\$200,000	\$200,000	\$200,000	<b>\$800,000</b>
Construction		\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	<b>\$8,000,000</b>
Other (specify)						
<b>Total</b>	<b>\$200,000</b>	<b>\$2,200,000</b>	<b>\$2,200,000</b>	<b>\$2,200,000</b>	<b>\$2,200,000</b>	<b>\$9,000,000</b>

**Project Funding:**

<b>City</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Enterprise Construction Reserves	\$200,000	\$2,200,000	\$2,200,000	\$2,200,000	\$2,200,000	<b>\$9,000,000</b>
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$200,000</b>	<b>\$2,200,000</b>	<b>\$2,200,000</b>	<b>\$2,200,000</b>	<b>\$2,200,000</b>	<b>\$9,000,000</b>

PREPARER

PREPARER'S PHONE NUMBER

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW- Utilities	Project Title: Wastewater Treatment Plant - Roof	Priority 3 of 4	1st Year: 2018
---------------------------	--	-----------------	----------------

Description:  
2018 Roof repairs to final clarifier, administrative building, and NW station \$70,000

Justification

Scheduling and Project Status

Annual Impact on Income and Operating Costs

<b>Project Costs:</b>	2018	2019	2020	2021	2022	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$70,000					\$70,000
Other (specify)						
<b>Total</b>	<b>\$70,000</b>					<b>\$70,000</b>

<b>Project Funding:</b>	2018	2019	2020	2021	2022	Total
<b>City</b>						
Enterprise Construction Reserves	\$70,000					\$70,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$70,000</b>					<b>\$70,000</b>

PREPARER	PREPARER'S PHONE NUMBER	
----------	-------------------------	--

## City of Bismarck Capital Improvement Project 2018 - 2022

Department: PW- Utilities      Project Title: Wastewater Treatment Plant - Storm Disconnect      Priority 4 of 4      1st Year: 2018

Description:  
 2018 Disconnect site stormwater from the sanitary sewer line - \$50,000  
 2019 Road reconstruction and paving at WWTP - \$365,000  
 2020 Cold Storage \$100,000

Justification

Scheduling and Project Status

Annual Impact on Income and Operating Costs

<b>Project Costs:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$50,000	\$365,000	\$100,000			<b>\$515,000</b>
Other (specify)						
<b>Total</b>	<b>\$50,000</b>	<b>\$365,000</b>	<b>\$100,000</b>			<b>\$515,000</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$50,000	\$365,000	\$100,000			<b>\$515,000</b>
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$50,000</b>	<b>\$365,000</b>	<b>\$100,000</b>			<b>\$515,000</b>

PREPARER

PREPARER'S PHONE NUMBER