

**CITY OF BISMARCK  
BUDGET SUPPLEMENT  
2016**

**Fees and Charges**

**Capital Improvement Program  
2016-2020**



**CITY OF BISMARCK, NORTH DAKOTA  
2016 BUDGET SUPPLEMENT  
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DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Community Development Department			
Service	FEES AND CHARGES		
	2015 Current Base Fee	Proposed Revised Change	2016 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/installation
<b>Building permits:</b>			
\$1 to 2,000 -	40.00 1st 500 1.85 ea add'l 100		40.00 1st 500 1.85 ea add'l 100
\$2001 to 25,000 -	67.75 1st 2,000 8.40 ea add'l 1000		67.75 1st 2,000 8.40 ea add'l 1000
\$25,001 to 50,000	260.95 - 25,000 6.10 ea add'l 1000		260.95 - 25,000 6.10 ea add'l 1000
\$50,001 to 100,000	413.45 - 50,000 4.20 ea add'l 1000		413.45 - 50,000 4.20 ea add'l 1000
\$100,001 to 500,000	623.45-100,000 3.40 ea add'l 1000		623.45-100,000 3.40 ea add'l 1000
\$500,001 to 1,000,000	1983.45-500,000 2.85 ea add'l 1000		1983.45-500,000 2.85 ea add'l 1000
\$1,000,000 and up	3408.45-1 mill 2.20 ea add'l 1000		3408.45-1 mill 2.20 ea add'l 1000
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 500.00 performance		50.00 250/500 liability 500.00 performance
Temporary use/structure permit	50.00		50.00
Temporary use permit	100.00/100,000 bond	(100.00)	no separate fee, combine with temporary use fee
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 1.65 per 1,000		40.00 1st 2,000 1.65 per 1,000
\$20,001 - 100,000 -	69.70 1st 20,000 1.10 per 1,000		69.70 1st 20,000 1.10 per 1,000
\$100,001 +	157.70 1st 100,000 0.60 per 1,000		157.70 1st 100,000 0.60 per 1,000
<b>Plumbing permits:</b>			
<b>Residence/apartment/s new constr:</b>			
\$1 to 20,000 -	40.00 1st 2,000 plus 1.65 for ea 1,000		40.00 1st 2,000 plus 1.65 for ea 1,000
\$20,001 - 100,000 -	69.70 1st 20,000 plus 1.10 for ea 1,000		69.70 1st 20,000 plus 1.10 for ea 1,000
\$100,001 +	157.70 1st 100,000 plus .60 for ea 1,000		157.70 1st 100,000 plus .60 for ea 1,000
<b>Commercial:</b>			
\$1 - 20,000 -	40.00 1st 2,000 1.65 for ea 1,000		40.00 1st 2,000 1.65 for ea 1,000
\$20,001 - 100,000 -	69.70 1st 20,000 1.10 for ea 1,000		69.70 1st 20,000 1.10 for ea 1,000

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Community Development Department (Continued)			
Service	FEES AND CHARGES		
	2015 Current Base Fee	Proposed Revised Change	2016 Fee
Plumbing permits: (Continued)			
Commercial:			
\$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	75.00	75.00	150.00
Administrative fee	125.00		125.00
Non-structural permit	125.00		125.00
Mechanical licensing program			Expect to revise ordinance in fall 2015 (fees in ordinance)
Class A application fee	35.00		35.00
Class A annual fee	125.00		125.00
Class B application fee	35.00		35.00
Class B annual fee	75.00		75.00
Class C application fee	15.00		15.00
Class C annual fee	35.00		35.00
Administrative fee	125.00		125.00
Year of exemption fee	125.00		125.00
Planning Division:			
Application Fees:			
Major plat	1000.00	100.00	1100.00
Major plat resubmittal fee	50.00		50.00
Minor plat	750.00	50.00	800.00
Minor plat resubmittal fee	50.00		50.00
Plat vacation	600.00	100.00	700.00
Zoning change	650.00	50.00	700.00
Zoning change - PUD	825.00	75.00	900.00
PUD amendment	550.00	150.00	700.00
Annexation	325.00	25.00	350.00
Special use	350.00	50.00	400.00
Rural lot splits	350.00		350.00
FARMP amendment w/o plat	600.00	100.00	700.00
LUP amendment w/o zoning change	600.00	100.00	700.00
Vacation - ROW	300.00		300.00
Vacation - non-access lines	200.00		200.00
Release - easements	200.00		200.00
Lot modification	50.00		50.00
Downtown design review w/o RZA/CORE	75.00	25.00	100.00
Renaissance zone project	100.00		100.00
CORE project	100.00		100.00
Site plan review	50.00	25.00	75.00
Site plan review - landscape plan	75.00		75.00
Site plan review resubmittal fee	50.00		50.00
Variances	275.00		275.00

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Engineering	FEES AND CHARGES		
	2015	Proposed	
	Current Base Fee	Revised Change	2016 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		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:			
*11x17 sheet set, graduated scale			
1 to 5 sheets	20.00	5.00	25.00
6 to 15 sheets	25.00	5.00	30.00
16 to 25 sheets	30.00	5.00	35.00
26 to 40 sheets	35.00	5.00	40.00
41 to 55 sheets	40.00	5.00	45.00
56 to 70 sheets	45.00	5.00	50.00
70+ sheets	50.00 + 0.50 per sheet above 70	10.00	60.00 + 0.50 per sheet above 70
*24X36 sheet set, graduated scale			
1 to 5 sheets	20.00	5.00	25.00
6 to 15 sheets	30.00	5.00	35.00
16 to 25 sheets	35.00	5.00	40.00
26 to 40 sheets	45.00	5.00	50.00
41 to 55 sheets	55.00	5.00	60.00
56 to 70 sheets	65.00	5.00	70.00
70+ sheets	65.00 + 1.00 per sheet above 70	10.00	75.00 + 1.00 per sheet above 70
City spec. book or project spec. book	50.00 ea	15.00	65.00 ea
CD copy of spec book	5.00		5.00
Concrete permit	10% construction cost	1%	11% construction cost, includes random concrete testing
Excavation permit: traffic control fees may apply (verify)			
New	110.00	25.00, 10.00 testing	135.00, includes random testing
Stub out	110.00	25.00, 10.00 testing	135.00, includes random testing
Completion	110.00	25.00, 10.00 testing	135.00, includes random testing
Fire line flush	55.00 ea		55.00 ea
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
Full closure w/o detour	100.00		100.00
Full closure w/detour	150.00		150.00
Collector street - partial/no detour	50.00		50.00
Full closure w/o detour	100.00		100.00
Full closure w/detour	150.00		150.00
Minor arterial - partial/no detour	100.00		100.00
Full closure w/o detour	150.00		150.00
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

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Engineering			
	FEES AND CHARGES		
	2015	Proposed	
Service	Current Base Fee	Revised Change	2016 Fee
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		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:			
*11x17 sheet set, graduated scale			
1 to 5 sheets	20.00	5.00	25.00
6 to 15 sheets	25.00	5.00	30.00
16 to 25 sheets	30.00	5.00	35.00
26 to 40 sheets	35.00	5.00	40.00
41 to 55 sheets	40.00	5.00	45.00
56 to 70 sheets	45.00	5.00	50.00
70+ sheets	50.00 + 0.50 per sheet above 70	10.00	60.00 + 0.50 per sheet above 70
*24X36 sheet set, graduated scale			
1 to 5 sheets	20.00	5.00	25.00
6 to 15 sheets	30.00	5.00	35.00
16 to 25 sheets	35.00	5.00	40.00
26 to 40 sheets	45.00	5.00	50.00
41 to 55 sheets	55.00	5.00	60.00
56 to 70 sheets	65.00	5.00	70.00
70+ sheets	65.00 + 1.00 per sheet above 70	10.00	75.00 + 1.00 per sheet above 70
City spec. book or project spec. book	50.00 ea	15.00	65.00 ea
CD copy of spec book	5.00		5.00
Concrete permit	10% construction cost	1%	11% construction cost, includes random concrete testing
Excavation permit: traffic control fees may apply (verify)			
New	110.00	25.00, 10.00 testing	135.00, includes random testing
Stub out	110.00	25.00, 10.00 testing	135.00, includes random testing
Completion	110.00	25.00, 10.00 testing	135.00, includes random testing
Fire line flush	55.00 ea		55.00 ea
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
Full closure w/o detour	100.00		100.00
Full closure w/detour	150.00		150.00
Collector street - partial/no detour	50.00		50.00
Full closure w/o detour	100.00		100.00
Full closure w/detour	150.00		150.00
Minor arterial - partial/no detour	100.00		100.00
Full closure w/o detour	150.00		150.00
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







DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Municipal Court			
Service	FEES AND CHARGES		
	2015	Proposed	2016
	Current Base Fee	Revised Change	
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

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Municipal Court (Continued)			
Service	FEES AND CHARGES		
	2015	Proposed	2016
	Current Base Fee	Revised Change	
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
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

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Municipal Court (Continued)			
Service	FEES AND CHARGES		
	2015	Proposed	2016
	Current Base Fee	Revised Change	
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
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

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Municipal Court (Continued)			
Service	FEES AND CHARGES		
	2015	Proposed	2016
	Current Base Fee	Revised Change	
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
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

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Municipal Court (Continued)	FEES AND CHARGES		
	2015	Proposed	
	Current	Revised	2016
Service	Base Fee	Change	Fee
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
2 hour zone (1st offense)	15.00		15.00
2 hour zone (2nd offense)	25.00		25.00
2 hour zone (3rd offense)	35.00		35.00
2 hour zone (4th offense)	45.00		45.00
2 hour zone (5th offense)	55.00		55.00
48 hour zone	15.00		15.00
Double parking	15.00		15.00
Fire hydrant	15.00		15.00
Fire lane	10.00		10.00
Block driveway	10.00		10.00
Bus stop	10.00		10.00
Night restriction	10.00		10.00
Oversize close to intersection	10.00		10.00
Overtime rec vehicle	15.00		15.00
15 feet from intersection	10.00		10.00
10 feet from crosswalk	10.00		10.00
Blocking sidewalk	10.00		10.00
Blocking crosswalk	15.00		15.00
Parking on boulevard	10.00		10.00
No parking zone	10.00		10.00
Alley parking	10.00		10.00
Blocking alley	10.00		10.00
Left side of street	10.00		10.00
Loading zone	10.00		10.00
Loading zone (5th & Main)	50.00		50.00
Handicap zone	100.00		100.00
Display mobility permit	5.00		5.00
No skate/rollerblade	5.00		5.00
Miscellaneous offense	5.00		5.00
Airport mobility impaired loading & unloading zone	100.00		100.00
Record search	1.00 per page or 5.00		1.00 per page or 5.00
	certified copy		certified copy
NSF check charge	20.00	5.00	25.00
Criminal citations	0-1,500.00		0-1,500.00

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Police Department			
Service	FEES AND CHARGES		
	2015	Proposed	2016
	Current Base Fee	Revised 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 photo CD
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
Impounds:			
Animal impoundment other			
than dogs and cats	35.00 imp fee/ 15.00 board fee	35.00 imp fee/20.00 board fee	35.00 imp fee/ 20.00 board fee
Dog impoundment-unlicensed	35.00 imp fee/ 15.00 board fee	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/ 15.00 board fee	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/ 15.00 board fee	15.00 imp fee/20.00 board fee	15.00 imp fee/ 20.00 board fee
Cats over 6 mo/not licensed	15.00 imp fee/ 15.00 board fee	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
Annual	43.00/officer/hr		43.00/officer/hr
MIP & marijuana class fees	100.00 filing fee		100.00 filing fee
Shoplifting kit fees	50.00/ person		50.00/ person
Drug testing youth fees	40.00/kit		40.00/kit
Drug testing youth fees	10.00		10.00
Drug testing youth fees	5.00		5.00



DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Public Health			
Service	FEES AND CHARGES		
	2015 Current Base Fee	Proposed Revised Change	2016 Fee
<b>Health services/office visits:</b>			
Nursing assessment/med fill per unit 1 unit = 15 minutes	16.00		16.00
Blood collection - venous	New	5.00	5.00
Blood collection - capillary	10.00	1.00	11.00
Cholesterol screening fee (includes capillary blood collection)	27.00	1.00	28.00
Dressing change - 1 unit	16.00		16.00
Ear exam - 1 unit	16.00		16.00
Ear wash fee	70.00		70.00
Blood glucose screening fee (includes capillary blood collection)	15.00	1.00	16.00
Head lice screening - 1 unit	16.00		16.00
Hearing screening - 1 unit	16.00		16.00
Hemoglobin screening (includes capillary blood collection)	14.00	1.00	15.00
Injections	38.00		38.00
Foot care/assessment fee	30.00	5.00	35.00
Protime fee (includes capillary blood collection)	16.00	1.00	17.00
Pulse oximetry fee	5.00		5.00
Stitch removal - 1 unit	16.00		16.00
STD screening fee	15.00		15.00
Tuberculin (TB) Test	10.00		10.00
Urinalysis - includes nursing assessment	16.00	4.00	20.00
Vision screening - 1 unit	16.00		16.00
Lead screening	32.00		32.00
<b>Immunizations:</b>			
Flu shots	35.00		35.00
Flu mist	40.00		40.00
Flu shots high dose	45.00		45.00
VFC vaccine	20.00		20.00
Private vaccine	Cost of vaccine + administration		Cost of vaccine + administration
	cost of 24.00 for 1st shot, 20.00 for each additional shot during same appt.	4.00	cost of 28.00 for 1st shot, 20.00 for each additional shot during same appt.
<b>Dietetic Services:</b>			
Nutrition services-initial	51.00		51.00
Nutrition services-reassessment	44.00		44.00
Nutrition services-group therapy	21.00	3.00	24.00
Worksite wellness - fee per session dietician (includes time & materials)	30.00	20.00	50.00
<b>Health Tracks:</b>			
Health tracks screening	201.74	6.05	207.79
Denver pediatric screening	11.86	0.36	12.22
Edinburgh post-natal depression screening/PHQ-9	15.47	0.46	15.93
Fluoride varnish	25.07	0.75	25.82
Behavioral assessment	New	8.00	8.00

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Public Health (Continued)			
Service	FEES AND CHARGES		
	2015 Current Base Fee	Proposed Revised Change	2016 Fee
Reimbursement is based on a fee for service determined by Medicaid allowable fees as well as, cost of lab fees associated with services. Fees may vary depending on Medicaid reimbursement rate changes January 1, 2015. NDCC 23-35-08. Boards of health-Powers and duties. Except when in conflict with a local ordinance or a civil service rule within a 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 an inability to pay any fees established under this subsection.			
Environmental Health Divison			
Frozen desserts license:			
Frozen dessert sales	150.00 annual	N/A	N/A
Street vendors	20.00		20.00
Food services:			
Hospitals, schools and churches	100.00 annual		100.00 annual
Public	225.00 annual		225.00 annual
Bakeries	150.00 annual		150.00 annual
Caterer	75.00 annual		N/A
Bar/tavern	75.00 annual		75.00 annual
Vending machine	25.00/unit annual		25.00/unit annual
Childcare facility with foodservice	100.00 annual		100.00 annual
Childcare facility without foodservice	New	50.00 annual	50.00 annual
Temporary food service:			
Restricted	75.00 annual		75.00 annual (no proration)
Mobile food	150.00 annual		150.00 annual
Food processing:			
Less than 5,000 sq ft	75.00 annual		75.00 annual
More than 5,000 sq ft	100.00 annual		100.00 annual
Retail food market:			
No food processed	150.00 annual		150.00 annual
Food processed	200.00 annual		200.00 annual
Temporary	100.00 per period	annual	100.00 annual
Tattoo/body art	75.00 annual	60.00	135.00 annual
Special pet	20.00		20.00
Weed cutting	hourly	N/A	N/A
Adm service fee (weed cutting)	40.00 per parcel	N/A	N/A
Limited food service	100.00	50.00	150.00
Vendor	100.00		100.00
Tanning permit:			
1-10 beds	100.00		100.00
11 or more beds	125.00		125.00
Lodging permit:			
1-18 units	115.00		115.00
19-35 units	145.00		145.00
36-100 units	175.00		175.00
Excess of 100 units	200.00 + 1.00/unit		200.00 + 1.00/unit
Swimming pool:			
Semi-public and public operation	150.00 annual		150.00 annual
Excess of 100 units	200.00 + 1.00/unit		200.00 + 1.00/unit

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Airport			
Service	FEES AND CHARGES		
	2015 Current Base Fee	Proposed Revised Change	2016 Fee
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		45.00 hr
Skid steer	45.00 hr		45.00 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		62.00 hr
Hyster forklift	62.00 hr		62.00 hr
High pressure washer/steam	18.00 hr		18.00 hr
Shop rental to contractor	50.00/hr		50.00/hr
Shop supplies	4% repair labor plus environm disp fee		4% 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)	70.00 hr + cost of fluid	Plus cost of fuel	70.00 hr + cost of fluid and cost of fuel
Grove 66' telescoping lift	124.00 hr	Plus cost of fuel or LP	124.00 hr plus cost of fuel or LP
Skyjack scissor lift	206.50 hr		206.50 hr
Cable locator	50/hr - OT 75/hr		50/hr - OT 75/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 fluids/sand	Plus cost of fuel	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	20.00 ea	5.00	25.00 ea



DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Bismarck Event Center			
Service	FEES AND CHARGES		
	2015	Proposed	2016
	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		700.00 per event
Booths	70.00 ea meeting rms/lobby		70.00 ea meeting rms/lobby
Booths	70.00 ea exhibit/arena		70.00 ea exhibit/arena
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	500.00	Up to 1,500.00	Up to 1,500.00
Broadway portal	250.00	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 .40 per square feet		35.00 ea booth 0.40 per square feet
Catering fee - list of approved caterers provided	17% or 1.00 per plate	Remove the wording "or 1.00 per plate"	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
DVD/VCR player	50.00 ea	0	0
DVD/VCR player/recorder	50.00 ea	0	0
Electrical charge buy out of arena or exhibit hall	Up to 2,500.00		Up to 2,500.00
Electrical charge buy out of arena or exhibit hall	1,500.00	0	0
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 1.00 per day pass		0.50/session or 1.00 per day pass
Faxes	2.00 per page		2.00 per page
Forklift/includes operator	60.00 per hour 350.00 per 8 hours		60.00 per hour 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	50.00 per event		50.00 per event
25 unique codes	50.00 per day		50.00 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: Bismarck Event Center (Continued)			
Service	FEES AND CHARGES		
	2015	Proposed	2016
	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
	75/25 event	0	0
Overhead projector	38.00 ea	0	0
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		75.00 per event
Prairie rose av package	125.00 per room/day		125.00 per room/day
Projector screen-12'x12' or 12'x9'	New	50.00 per event	50.00 per event
Projector screen-smaller sizes	25.00 per event		25.00 per event
Registr tables-tall w/skirt & cover	55.00 each		55.00 each
Reset charge-main area	275.00		275.00
Reset charge-meeting room	110.00		110.00
Risers - stage	1.10 square foot	0.15 per foot	\$1.25 square foot
Risers for seating	250.00 per 75 chairs		250.00 per 75 chairs
Scoreboard:	Mid level 95.00/hr	55.00 per hour	Mid level 150.00/hr
	Full prod 150.00/hr	100.00 per hour	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	125.00/1microphone		125.00/1microphone
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	1.10 per sq ft	0.15 per foot	1.25 square foot
Tables:			
4x30,6x30,8x30 5x18, 8x18 or 5' round	7.00 ea		7.00 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	0.75 ea	0.75 per towel	1.50 each
Towels - bath	1.50 ea	0.50 per towel	2.00 each
Towels-replacement	8.00 ea		8.00 ea
Water usage fee	5.00 per unit		5.00 per unit

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Bismarck Event Center (Continued)			
Service	FEES AND CHARGES		
	2015	Proposed	2016
	Current Base Fee	Revised Change	
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	500.00 per day	Up to 1,000.00	Up to 1000.00 per day
Parking lot D - outdoor event	500.00 per day	Up to 1,000.00	Up to 1000.00 per day
Practice - music/athletics	60.00 per hour 8am-5pm		60.00 per hour 8am-5pm
	75.00 per hour 5pm/9pm		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
Table skirting/cover (paper/vinyl)	25.00 each		25.00 each
Paper cover	8.00		8.00
Vinyl cover	17.00		17.00



DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Belle Mehus			
Service	FEES AND CHARGES		
	2015	Proposed	2016
	Current Base Fee	Revised Change	
Commercial events/shows	Up to 2,500.00		Up to 2,500.00 per day
Per performance non profit (Basic rental) for 8 hrs	480.00 per day		480.00 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	200.00		200.00
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		12.50 ea
	16 lights included in base rent		16 lights included in base rent
Ladders	2-10' included in rent		2-10' included in rent
Liquor catering	provided by exclusive liquor caterer		provided by exclusive liquor caterer
Meeting room	50.00 per day w/main theatre	0	0
	120.00 per day if used	0	0
Microphones - additional	35.00		35.00
Monitor	35.00 ea		35.00 ea
Pit wall - remove & replace	360.00		360.00
Piano	100.00		100.00
Piano tuning	prevailing rate		prevailing rate
Risers - stage	4 sections included in rent		4 sections included in rent
Sound system	included in rent	Charge at prevailing rate	Charge at prevailing rate
Sound/light tech	prevailing rate		prevailing rate
Spotlights-trouperette	50.00 ea		50.00 each
Tables	25 included in rent		25 included in rent
Risers - stage	4 sections included in rent		4 sections included in rent

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Public Works-Service Operations			
Service	FEES AND CHARGES		
	2015 Current Base Fee	Proposed Revised Change	2016 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	New	28.00	28.00
Log truck w/crane	35.81/hr	4.19	40.00/hr
Wood chipper-bandit	49.67/hr	(31.67)	18.00/hr
Chipper truck	35.81/hr	(15.81)	20.00/hr
Stump router	28.88/hr	(3.88)	25.00/hr
Fee - site plan review	75.00		75.00
Fee - adm service fee (weed cutting)	New	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
Equipment rental:			
Compact pickup	New	0.33/mile	0.33/mile
1/2 ton pickup	6.04/hr	0.36/mile	0.36/mile
3/4 ton pickup	7.25/hr	0.33/mile	0.33/mile
1 ton pickup	8.09/hr	0.89/mile	0.89/mile
Tandem axle dump truck	New	30.00/hr	30.00/hr
Tandem axle dump truck w/sander & plow	New	30.00/hr	50.00/hr
Tandem axle dump truck w/sander	New	50.00/hr	40.00/hr
Single axle dump truck	New	40.00/hr	25.00/hr
Single axle dump truck w/sander	New	25.00/hr	35.00/hr
Single axle dump truck w/sander & plow	New	35.00/hr	45.00/hr
Motor grader	76.23/hr	45.00/hr	55.00/hr
Front end loader w/bucket	New	45.00	45.00/hr
Front end loader w/snow plow	New	55.00/hr	55.00/hr
Front end loader w/8 ft snow blower	New	88.00/hr	88.00/hr
Skid steer w/bucket	New	30.00/hr	30.00/hr
Asphalt saw w/skid steer	New	60.00/hr	60.00/hr
Snow blower w/skid steer	New	60.00/hr	60.00/hr
Utility trailer	3.47/hr		3.47/hr
Sweeper	64.68/hr	(4.68)	60.00/hr
Paver	56.60/hr	(16.60)	40.00/hr
Roller (small)	17.90/hr	2.10	20.00/hr
Roller (large)	19.64/hr	12.36	32.00/hr
Air compressor	8.66/hr	4.34	13.00/hr
Disc	5.78/hr	29.22	35.00/hr
Self propelled broom 8 ft	New	30.00/hr	30.00/hr
Service truck	28.88/hr	1.22	30.00/hr
Chip spreader	64.68/hr	12.32	77.00/hr
Oil distributor	71.61/hr	3.39	75.00/hr

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Public Works-Service Operations (Continued)			
Service	FEES AND CHARGES		
	2015 Current Base Fee	Proposed Revised Change	2016 Fee
Truck-mounted generator	25.41/hr	(5.41)	20.00/hr
Backhoe	28.88/hr	11.12	40.00/hr
Mower w/tractor 72" and below	New	25.00/hr	25.00/hr
Broom w/tractor 60" and below	New	25.00/hr	25.00/hr
Snow Blower w/tractor 48" and below	New	25.00/hr	25.00/hr
Generator 4000kw & less	1.16/hr	1.34	2.50/hr
Generator 4001kw & more	2.31/hr	18.69	21.00/hr
Loop saw	5.78/hr	8.22	14.00/hr
Barricades	1.16/day/barricade		1.16/day/barricade
Paint striper	3.47/hr	1.53	5.00/hr
Concrete saw	12.71/hr	1.29	14.00/hr
Aerial lift truck	New	32.00/hr	32.00/hr
Farm tractor w/mower	31.19/hr	4.81	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	7.29	0.07	7.36
Residential w/o lights	1.79	0.02	1.81
Rental units - apartments	7.29/1.79	0.0729/0.0179	7.36/1.81
Commercial - other	10.86/5.55	0.1086/0.0555	10.97/5.61
*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		25.00 ea
Car body-non-resident	30.00 ea		30.00 ea
Trailer homes-resident	65.00 ea		65.00 ea
Trailer homes-non-resident	65.00 ea		65.00 ea
Large animals-resident	10.00 ea		10.00 ea
Large animals-non-resident	15.00 ea		15.00 ea
Small animals-resident	2.00 ea		2.00 ea
Small animals-non-resident	4.00 ea		4.00 ea
Vehicle weighing/other scale usage-resident	10.00 ea		10.00 ea
Vehicle weighing/other scale usage-non-resident	15.00 ea		15.00 ea
Vehicle weighing/other scale usage-commercial	15.00 ea		15.00 ea
Loading fee for compost or wood chips	65.00 ea		65.00 ea
Asphalt millings per ton, minimum of 12 ton	6.00		6.00

DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Public Works-Service Operations (Continued)			
Service	FEES AND CHARGES		
	2015 Current Base Fee	Proposed Revised Change	2016 Fee
Crushed asphalt per ton, minimum of 12 ton	6.00		6.00
Fluorescent lamps less than 4 ft in length	0.40	(0.15)	0.25
Fluorescent lamps 4 ft and over in length	0.55	(0.14)	0.41
U-shaped and circular fluorescent lamps	0.50	(0.09)	0.41
High intensity discharge lamps	1.25	(0.35)	0.90
Compact fluorescent lamps with ballasts	1.00		0.41
PCB ballasts	0.75	0.05	0.80
PCB capacitor	2.50	(1.35)	1.15
Unstable reactive/pound	0.55	0.03	0.58
Waste reactive/pound	0.45	0.05	0.50
Oxidizers (Class I & II)/pound	0.45	0.05	0.50
Organic peroxides (Class I)/pound	0.45	0.05	0.50
Flammables (including solvent, aerosol)/pound	0.82		0.82
Flammables (oil-based paint/stain)/gallon	1.10		1.10
Corrosives/pound	0.82		0.82
Toxics/pound	0.82		0.82
Paint (water based)/gal	0.75/gal		0.75/gal
Unknowns (liquid/solid)/pound	0.55	0.03	0.58
Electronics/pound	0.18	(0.03)	0.15
Collection fees:			
Residential-96 gallon container	12.31mo ea		12.31mo ea
	1.65 disposal		1.65 disposal
Commercial water accounts - landfill fee	2.00 disposal		2.00 disposal
Recycling	3.81		3.81
Dumpsters - 1X	1 cu yd-44.77		1 cu yd-44.77
	1.5 cu yd-47.87		1.5 cu yd-47.87
	2 cu yd-51.05		2 cu yd-51.05
	3 cu yd-57.25		3 cu yd-57.25
	4 cu yd-63.45		4 cu yd-63.45
	6 cu yd-76.01		6 cu yd-76.01
	8 cu yd-88.49		8 cu yd-88.49
Dumpsters - 2X	1 cu yd-75.03		1 cu yd-75.03
	1.5 cu yd-81.30		1.5 cu yd-81.30
	2 cu yd-87.51		2 cu yd-87.51
	3 cu yd-100.06		3 cu yd-100.06
	4 cu yd-111.71		4 cu yd-111.71
	6 cu yd-137.50		6 cu yd-137.50
	8 cu yd-162.53		8 cu yd-162.53
Dumpsters - 3X	1 cu yd-126.00		1 cu yd-126.00
	1.5 cu yd-138.18		1.5 cu yd-138.18
	2 cu yd-149.60		2 cu yd-149.60
	3 cu yd-175.09		3 cu yd-175.09
	4 cu yd-196.57		4 cu yd-196.57
	6 cu yd-248.83		6 cu yd-248.83
	8 cu yd-299.05		8 cu yd-299.05
Disposal fees:			
Subtitle D pit	24.00/tn inert pit		24.00/tn inert pit
	45.00 ton MSW		45.00 ton MSW
	15.00 tn/clean wood and tree debris		15.00 tn/clean wood and tree debris



DEPARTMENTAL FEES AND CHARGES

DEPARTMENT: Public Works-Utility Operations			
Service	FEES AND CHARGES		
	2015	Proposed	2016
	Current	Revised	
Base Fee	Change	Fee	
<b>Water rates:</b>			
Base rate	5.70		5.70
Rate per 100 cubic feet, 0-400 cu ft	2.18		2.18
Rate per 100 cubic feet, over 400 cu ft	2.76		2.76
Lawn rates	2.76		2.76
Demand charge-commercial only	10.00 per inch of meter		10.00 per inch of meter
	size greater than 1"		size greater than 1"
Demand chg (apts, mobile hm crts, etc)	ea add'l living unit over 1 on		ea add'l living unit over 1 on
	a meter will have a demand		a meter will have a demand
	chg of 0.50 per unit per mo		chg of 0.50 per unit per mo
Surcharge for service line repairs, residential	2.00		2.00
<b>Water trunk line fee - special assessment</b>			
Base rate, residential single family	500.00		500.00
Duplex zoning < 10,000 square feet	500.00		500.00
Duplex zoning >10,000 & < 20,000 sq ft	1,000.00		1,000.00
Duplex or higher zoning & >20,000 sq ft	500.00 per 10,000 square ft		500.00 per 10,000 square ft
<b>Sewer rates:</b>			
Base rate	8.10	1.78	9.88
Rate per 100 cubic feet, 0-400 cu ft	1.73	0.38	2.11
Rate per 100 cubic feet, over 400 cu ft	2.10	0.46	2.56
Surcharge for backup coverage, residential	0.30	0.10	0.40
Surcharge for backup coverage, commercial	0.60	0.20	0.80
<b>Sanitary sewer trunk line fee-special assessment</b>			
Base rate, residential single family	500.00		500.00
Duplex zoning < 10,000 square feet	500.00		500.00
Duplex zoning >10,000 & < 20,000 sq ft	1,000.00		1,000.00
Duplex or higher zoning & >20,000 sq ft	500.00 per 10,000 square ft		500.00 per 10,000 square ft
<b>Storm sewer mtce:</b>			
Resident	2.20		2.20
Commercial per 10,000 sq ft of lot	4.40		4.40
Multifamily-first unit	2.20		2.20
ea additional unit	0.44		0.44
<b>Unannexed area surcharge:</b>			
Resident	0.50		0.50
Commercial per 10,000 sq ft of lot	0.50		0.50
Multifamily-first unit	0.50		0.50
ea additional unit	0.10		0.10
<b>Wastewater:</b>			
High strength surcharge for industrial users	For excess of 250 mg/l: 95.90/1,000 lbs BOD 95.90/1,000 lbs SS	21.10 21.10	For excess of 250 mg/l: 117.00/1,000 lbs BOD 117.00/1,000 lbs SS
Non sewer waste hauled to system	45.00/1000 gal	10.00	55.00/1000 gal
Reinstatement service fee	50.00 Mon-Fri 8 to 4pm		50.00 Mon-Fri 8 to 4pm
Reinstatement service fee	75.00 After hours	25.00	100.00 after hours
Water service calls - connect/disconnect	14.00/Next day service 20.00/Same day service	1.00 1.50	15.00/next day service 21.50/same day service
Install/remove lawn meters	40.00	3.00	43.00
Repair frozen meters	42.00 plus materials		42.00 plus materials
Hydrant hookups	40.00	3.00	43.00



**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**

**FUND SOURCE SUMMARY**

FUNDING SOURCE	DEPARTMENT	2016	2017	2018	2019	2020	TOTAL
Airport Fund	Airport	1,490,500	2,286,500	2,252,500	2,203,500	1,365,000	9,598,000
Building Construction	Fire Department	75,000	150,000	65,000	-	-	290,000
	Library	924,000	750,000	-	-	170,000	1,844,000
	Police	2,737,000	-	7,900,000	-	-	10,637,000
	Building Mtce-PH Relocation	-	-	205,000	3,295,000	-	3,500,000
	Building Mtce-Building Management Sy	85,000	-	-	-	-	85,000
	Building Mtce-Administration Bldg	-	-	368,000	7,270,000	15,350,000	22,988,000
	Building Mtce-PH Cooling Tower	-	125,000	-	-	-	125,000
FAA Grant	Airport	4,689,000	3,357,000	25,245,000	39,663,000	11,970,000	84,924,000
Federal Grant	Street and Highway Imp	50,000	50,000	4,450,000	18,450,000	4,850,000	27,850,000
Food and Beverage Tax	Civic Center	746,300	8,047,000	33,537,000	8,058,000	39,342,000	89,730,300
	Administration-TBD	5,560,508	-	-	-	-	5,560,508
	Fire-Fire Truck Reserve	1,700,000	-	-	-	-	1,700,000
	Fire-Land Purchase	TBD	-	-	-	-	TBD
	Fire-SCBA	-	-	387,000	-	-	387,000
	Library-Library Funds	60,000	-	-	-	-	60,000
	Roads & Streets-TBD	-	-	-	-	-	-
	Special Deficiency-Street & Highway	465,000	490,000	520,000	520,000	560,000	2,555,000
	TIF-Street & Highway	3,047,000	175,000	10,350,000	-	-	13,572,000
Private Donations	Sanitary Sewers	300,000	100,000	-	-	-	400,000
	Water Distribution	250,000	225,000	-	50,000	-	525,000
Sales Tax	Street and Highway Imp	14,641,000	15,733,500	10,323,000	14,873,000	9,667,500	65,238,000
Solid Waste	Solid Waste	1,637,850	-	-	-	-	1,637,850
Special Assessment	Street and Highway Imp	9,529,000	16,126,500	14,792,000	11,930,000	13,202,500	65,580,000
	Storm Water	10,105,000	6,915,000	9,210,000	4,865,000	4,385,000	35,480,000
State Grant	Airport	260,500	186,500	1,402,500	2,203,500	665,000	4,718,000
Street Light Reserves	Street Light Utility	556,132	527,273	482,739	509,112	564,952	2,640,208
Utility Operations	Sanitary Sewers	5,170,000	8,540,000	4,770,000	2,470,000	1,220,000	22,170,000
	Storm Water	440,000	-	-	-	-	440,000
	Wastewater Treatment Plant	19,500,000	7,500,000	-	400,000	6,150,000	33,550,000
	Water Administration	-	-	-	1,000,000	300,000	1,300,000
	Water Distribution	4,146,000	5,060,000	4,100,000	3,800,000	8,610,000	25,716,000
	Water Distribution-Replacement	1,683,000	1,050,500	621,500	841,500	1,050,500	5,247,000
	Water Treatment Plant	2,150,000	-	85,000	-	-	2,235,000
Fleet	Fleet	75,000	-	-	-	-	75,000
<b>TOTAL</b>		<b>92,072,790</b>	<b>77,394,773</b>	<b>131,066,239</b>	<b>122,401,612</b>	<b>119,422,452</b>	<b>542,357,866</b>

Airport	9,598,000	Other City Funds	23,834,508	State Grant	4,718,000
Building Construction	39,469,000	Private Donations	925,000	Street Light Utility	2,640,208
FAA Grant	84,924,000	Sales Tax	65,238,000	Utility Operations	90,658,000
Federal Grant	27,850,000	Solid Waste	1,637,850	Fleet	75,000
Food and Beverage Tax	89,730,300	Special Assessments	101,060,000		

\* Requested but not all Approved by the Commission.

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

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**

**DEPARTMENT COSTS BY YEAR**

DEPARTMENT	2016	2017	2018	2019	2020	TOTAL
Administration	Total Cost	5,560,508	-	-	-	5,560,508
	Less Non City	-	-	-	-	-
	Total City Cost	5,560,508	-	-	-	5,560,508
Airport	Total Cost	6,440,000	5,830,000	28,900,000	44,070,000	14,000,000
	Less Non City	4,949,500	3,543,500	26,647,500	41,866,500	12,635,000
	Total City Cost	1,490,500	2,286,500	2,252,500	2,203,500	1,365,000
Bismarck Event Center	Total Cost	746,300	8,047,000	33,537,000	8,058,000	39,342,000
	Less Non City	-	-	-	-	-
	Total City Cost	746,300	8,047,000	33,537,000	8,058,000	39,342,000
Fire Department	Total Cost	1,775,000	150,000	452,000	-	2,377,000
	Less Non City	-	-	-	-	-
	Total City Cost	1,775,000	150,000	452,000	-	2,377,000
Library	Total Cost	984,000	750,000	452,000	-	1,904,000
	Less Non City	-	-	-	-	-
	Total City Cost	984,000	750,000	452,000	-	1,904,000
Police	Total Cost	2,737,000	750,000	7,900,000	-	10,637,000
	Less Non City	-	-	-	-	-
	Total City Cost	2,737,000	750,000	7,900,000	-	10,637,000
Public Health	Total Cost	-	125,000	205,000	3,295,000	3,625,000
	Less Non City	-	-	-	-	-
	Total City Cost	-	125,000	205,000	3,295,000	3,625,000
PW-Building Maintenance	Total Cost	85,000	-	368,000	7,270,000	15,350,000
	Less Non City	-	-	-	-	-
	Total City Cost	85,000	-	368,000	7,270,000	15,350,000
Roads & Streets	Total Cost	TBD	-	-	-	-
	Less Non City	-	-	-	-	-
	Total City Cost	-	-	-	-	-
Solid Waste	Total Cost	1,637,850	-	-	-	1,637,850
	Less Non City	-	-	-	-	-
	Total City Cost	1,637,850	-	-	-	1,637,850
Street Light Utility	Total Cost	556,132	527,273	482,739	509,112	2,640,208
	Less Non City	-	-	-	-	-
	Total City Cost	556,132	527,273	482,739	509,112	2,640,208
Streets and Highways Improvements	Total Cost	27,732,000	32,575,000	40,435,000	45,773,000	28,280,000
	Less Non City	50,000	50,000	4,450,000	18,450,000	4,850,000
	Total City Cost	27,682,000	32,525,000	35,985,000	27,323,000	23,430,000

\* To Be Determined

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

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

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**

**DEPARTMENT COSTS BY YEAR**

DEPARTMENT	2016	2017	2018	2019	2020	TOTAL
Water Adm	-	-	-	1,000,000	300,000	1,300,000
Total Cost	-	-	-	1,000,000	300,000	1,300,000
Less Non City	-	-	-	-	-	-
Total City Cost	-	-	-	1,000,000	300,000	1,300,000
Sanitary Sewers	5,470,000	8,640,000	4,770,000	2,470,000	1,220,000	22,570,000
Total Cost	5,470,000	8,640,000	4,770,000	2,470,000	1,220,000	22,570,000
Less Non City	300,000	100,000	-	-	-	400,000
Total City Cost	5,170,000	8,540,000	4,770,000	2,470,000	1,220,000	22,170,000
Storm Sewers	10,545,000	6,915,000	9,210,000	4,865,000	4,385,000	35,920,000
Total Cost	10,545,000	6,915,000	9,210,000	4,865,000	4,385,000	35,920,000
Less Non City	-	-	-	-	-	-
Total City Cost	10,545,000	6,915,000	9,210,000	4,865,000	4,385,000	35,920,000
Wastewater Treatment Plant	19,500,000	7,500,000	-	400,000	6,150,000	33,550,000
Total Cost	19,500,000	7,500,000	-	400,000	6,150,000	33,550,000
Less Non City	-	-	-	-	-	-
Total City Cost	19,500,000	7,500,000	-	400,000	6,150,000	33,550,000
Water Distribution	4,396,000	5,285,000	4,100,000	3,850,000	8,610,000	26,241,000
Total Cost	4,396,000	5,285,000	4,100,000	3,850,000	8,610,000	26,241,000
Less Non City	250,000	225,000	-	50,000	-	525,000
Total City Cost	4,146,000	5,060,000	4,100,000	3,800,000	8,610,000	25,716,000
Water Distribution - Watermain Replacement	1,683,000	1,050,500	621,500	841,500	1,050,500	5,247,000
Total Cost	1,683,000	1,050,500	621,500	841,500	1,050,500	5,247,000
Less Non City	-	-	-	-	-	-
Total City Cost	1,683,000	1,050,500	621,500	841,500	1,050,500	5,247,000
Water Treatment Plant	2,150,000	-	85,000	-	-	2,235,000
Total Cost	2,150,000	-	85,000	-	-	2,235,000
Less Non City	-	-	-	-	-	-
Total City Cost	2,150,000	-	85,000	-	-	2,235,000
Fleet	75,000	-	-	-	-	75,000
Total Cost	75,000	-	-	-	-	75,000
Less Non City	-	-	-	-	-	-
Total City Cost	75,000	-	-	-	-	75,000
<b>TOTALS</b>	<b>92,072,790</b>	<b>77,394,773</b>	<b>131,066,239</b>	<b>122,401,612</b>	<b>119,422,452</b>	<b>542,357,866</b>
Total Cost	92,072,790	77,394,773	131,066,239	122,401,612	119,422,452	542,357,866
Less Non City	5,549,500	3,918,500	31,097,500	60,366,500	17,485,000	118,417,000
Total City Cost	86,523,290	73,476,273	99,968,739	62,035,112	101,937,452	423,940,866

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**ADMINISTRATION**

Requested Project	Rank	Cost to be Funded	Funding Source		Projected Costs Per Year					
			Other	%	2016	2017	2018	2019	2020	
*Emergency Operation Center (EOC) Expansion	1	5,560,508	Other	100	5,560,508	-	-	-	-	-
TOTAL		5,560,508			5,560,508	-	-	-	-	-
NON-CITY FUNDING		-			-	-	-	-	-	-
TOTAL CITY FUNDING		5,560,508			5,560,508	-	-	-	-	-

\*To be Determined (pending consolidation and funding)  
 Requested but not Approved by the Commission

## City of Bismarck Capital Improvement Project 2016 - 2020

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.				
Estimated Costs for 2016 is \$5,003,273 to \$5,560,508				
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 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, & cost estimate. 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 (i.e. building construction fund, increased 911 fees, grants, lease).				

  

	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$5,560,508					\$5,560,508
Other (Furnishings, Fixtures, Equipment)						
<b>Total</b>	<b>\$5,560,508</b>					<b>\$5,560,508</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (To be Determined)	\$5,560,508					\$5,560,508
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$5,560,508</b>					<b>\$5,560,508</b>

\$66,000 Approved by the Commission in 2014 and funding from General Fund Cash Balance

\$20,000 spent in 2015 to prepare space needs/site assessment/schematic design & project cost estimates

PREPARER - Keith Hunke  
PREPARER'S PHONE NUMBER - 355-1303

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
AIRPORT

Requested Project	Rank	Cost to be Funded	Funding		2016	Projected Costs Per Year		
			Source	%		2017	2018	2019
Wetlands Mitigation (On Airport) - Phase V	1	3,000,000	Airpt Operations	5	150,000	-	-	-
			Federal Grant	90	2,700,000	-	-	-
			State Grant	5	150,000	-	-	-
EA for Runway 13/31 Rehabilitation	2	150,000	Airpt Operations	5	7,500	-	-	-
			Federal Grant	90	135,000	-	-	-
			State Grant	5	7,500	-	-	-
Relocate Airway Avenue/Airport Road Intersection	3	300,000	Airpt Operations	5	15,000	-	-	-
			Federal Grant	90	270,000	-	-	-
			State Grant	5	15,000	-	-	-
Reconstruct Maverick Avenue	4	1,000,000	Airpt Operations	5	50,000	-	-	-
			Federal Grant	90	900,000	-	-	-
			State Grant	5	50,000	-	-	-
Rehabilitate Terminal Blvd	5	260,000	Airpt Operations	5	13,000	-	-	-
			Federal Grant	90	234,000	-	-	-
			State Grant	5	13,000	-	-	-
Long and Short Term Parking Lots Rehab	6	680,000	Airpt Operations	100	680,000	-	-	-
			Airpt Operations	100	500,000	-	-	-
			Airpt Operations	100	50,000	-	-	-
Purchase Snow Removal Equipment	7	500,000	Airpt Operations	5	25,000	-	-	-
			Federal Grant	90	450,000	-	-	-
			State Grant	5	25,000	-	-	-
PFC 7 Application Preparation	8	50,000	Airpt Operations	5	13,000	-	-	-
			Federal Grant	90	45,000	-	-	-
			State Grant	5	12,000	-	-	-
Plans and Specifications for 2017 Construction Projects	9	500,000	Airpt Operations	5	25,000	-	-	-
			Federal Grant	90	450,000	-	-	-
			State Grant	5	25,000	-	-	-
Plans and Specifications - Runway 13/31 Reconstruction - Phase I	10	1,700,000	Airpt Operations	5	-	85,000	-	-
			Federal Grant	90	-	1,530,000	-	-
			State Grant	5	-	85,000	-	-
Runway 03/21 & Taxiway D Planning & Engineering Design Report	11	230,000	Airpt Operations	5	-	11,500	-	-
			Federal Grant	90	-	207,000	-	-
			State Grant	5	-	11,500	-	-
Rehabilitation/Expand SRE Building/New SRE Building	12	1,500,000	Airpt Operations	5	-	75,000	-	-
			Federal Grant	90	-	1,350,000	-	-
			State Grant	5	-	75,000	-	-
Purchase Snow Removal Equipment	13	600,000	Airpt Operations	100	-	600,000	-	-
			Airpt Operations	100	-	1,500,000	-	-
			Airpt Operations	100	-	1,500,000	-	-
Expand Passenger Parking	14	1,500,000	Airpt Operations	5	-	15,000	-	-
			Federal Grant	90	-	270,000	-	-
			State Grant	5	-	15,000	-	-
Plans and Specifications for 2018 Construction Projects	15	300,000	Airpt Operations	5	-	15,000	-	-
			Federal Grant	90	-	270,000	-	-
			State Grant	5	-	15,000	-	-
Rehabilitate (Reconstruction) of Runway 13/31 - Phase I	16	22,900,000	Airpt Operations	5	-	1,145,000	-	-
			Federal Grant	90	-	20,610,000	-	-
			State Grant	5	-	1,145,000	-	-

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**AIRPORT**

Requested Project	Rank	Cost to be Funded	Funding		2016	Projected Costs Per Year				
			Source	%		2017	2018	2019	2020	
Plans and Specifications for Runway 13/31 Reconstruction 13/31 - Phase II	17	500,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	25,000 450,000 25,000	-	-	-
Hangar 5 Relocation	18	300,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	15,000 270,000 15,000	-	-	-
Environmental Assessment for Runway 03/21 and Taxiway D Rehabilitation	19	150,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	7,500 135,000 7,500	-	-	-
Expand GA Apron to Northwest - Phase IV	20	2,000,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	100,000 1,800,000 100,000	-	-	-
Commercial Service Terminal Rehabilitation	21	1,500,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	75,000 1,350,000 75,000	-	-	-
Environmental Assessment for Runway 13 RPZ Land Prurchase - Phase II	22	200,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	10,000 180,000 10,000	-	-	-
Short Term & Economy Parking Lot Rehab	23	100,000	Airpt Operations	100	-	-	100,000	-	-	-
Acquire ARFF Truck	24	750,000	Airpt Operations	100	-	-	750,000	-	-	-
Plans and Specifications for 2019 Construction Projects	25	500,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	25,000 450,000 25,000	-	-	-
Rehabilitation Runway 13/31 (Reconstr) - Phase II	26	36,000,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	-	1,800,000 32,400,000 1,800,000	-	-
Plans and Specifications - Runway 03/21 and Taxiway D (Rehabilitation)	27	600,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	-	30,000 540,000 30,000	-	-
Wetlands Mitigation - Phase VI (On Airport)	28	3,000,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	-	150,000 2,700,000 150,000	-	-
Taxiway Rehabilitation (Rejuvenation)	29	350,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	-	17,500 315,000 17,500	-	-
Jetway Ave, Corporate Ci, and Lancair Dr Rehabilitation (Rejuvenation)	30	120,000	Airpt Operations Federal Grant State Grant	5 90 5	-	-	-	6,000 108,000 6,000	-	-

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
AIRPORT

Requested Project	Rank	Cost to be Funded	Funding		2016	Projected Costs Per Year			
			Source	%		2017	2018	2019	2020
Construct South Side Service Road	31	1,500,000	Airpt Operations	5	-	-	-	75,000	-
			Federal Grant	90	-	-	-	1,350,000	-
			State Grant	5	-	-	-	75,000	-
Runway 13 Runway Protection Zone Land Purchase - Phase II	32	2,000,000	Airpt Operations	5	-	-	-	100,000	-
			Federal Grant	90	-	-	-	1,800,000	-
			State Grant	5	-	-	-	100,000	-
Plans and Specifications for 2020	33	500,000	Airpt Operations	5	-	-	-	25,000	-
			Federal Grant	90	-	-	-	450,000	-
			State Grant	5	-	-	-	25,000	-
Rehabilitate Runway 03/21	34	5,000,000	Airpt Operations	5	-	-	-	-	250,000
			Federal Grant	90	-	-	-	-	4,500,000
			State Grant	5	-	-	-	-	250,000
Rehabilitate Taxiway D	35	3,800,000	Airpt Operations	5	-	-	-	-	190,000
			Federal Grant	90	-	-	-	-	3,420,000
			State Grant	5	-	-	-	-	190,000
Expand Commercial Terminal	36	4,000,000	Airpt Operations	5	-	-	-	-	200,000
			Federal Grant	90	-	-	-	-	3,600,000
			State Grant	5	-	-	-	-	200,000
Purchase Plow or Broom	37	700,000	Airpt Operations	100	-	-	-	-	700,000
Plans and Specifications for 2021	38	500,000	Airpt Operations	5	-	-	-	-	25,000
			Federal Grant	90	-	-	-	-	450,000
			State Grant	5	-	-	-	-	25,000
<b>TOTAL</b>		<b>99,240,000</b>			<b>6,440,000</b>	<b>5,830,000</b>	<b>28,900,000</b>	<b>44,070,000</b>	<b>14,000,000</b>
<b>NON-CITY FUNDING</b>		<b>89,642,000</b>			<b>4,949,500</b>	<b>3,543,500</b>	<b>26,647,500</b>	<b>41,866,500</b>	<b>12,635,000</b>
<b>TOTAL CITY FUNDING</b>		<b>9,598,000</b>			<b>1,490,500</b>	<b>2,286,500</b>	<b>2,252,500</b>	<b>2,203,500</b>	<b>1,365,000</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport      Project Title: Wetlands Mitigation (On Airport) - Phase V      Priority 1 of 38 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 2016

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	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:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves	\$150,000					\$150,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant	\$2,700,000					\$2,700,000
State Grant	\$150,000					\$150,000
<b>Total</b>	<b>\$3,000,000</b>					<b>\$3,000,000</b>

PREPARER Tim Thorsen      PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: EA for Runway 13/31 Rehabilitation	Priority	2 of 38	1st Year: 2016		
Description: Prepare an environmental assessment for Runway 13/31 rehabilitation.						
Justification The purpose of the environmental assessment will be to analyze a proposed project which includes rehabilitation of runway 13/31. The rehabilitation of runway 13/31 will allow Bismarck Airport to maintain runway 13/31 for aviation traffic. The environmental action is required to receive Federal funds.						
Scheduling and Project Status 2016						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design	\$150,000					\$150,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>	<b>\$150,000</b>					<b>\$150,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$7,500					\$7,500
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant	\$135,000					\$135,000
State Grant	\$7,500					\$7,500
<b>Total</b>	<b>\$150,000</b>					<b>\$150,000</b>
PREPARER Tim Thorsen	PREPARER'S PHONE NUMBER 355-1806					

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Relocate Airway Avenue/Airport Road Intersection	Priority	3 of 38	1st Year: 2014		
Description: Relocation of Airway Avenue and Airport Road Intersection.						
Justification Remove obstruction to 50:1 clearance for Rwy 13/31 under FAR Part 77. Required to achieve ultimate 50:1 airspace clearance (removes road obstruction).						
Scheduling and Project Status 2016						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$300,000					\$300,000
Other (specify)						
<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						
Other (specify)						
<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 2016 - 2020

Department: Airport Project Title: Reconstruct Maverick Avenue Priority 4 of 38 1st Year: 2014  
 Description: Reconstruct the access road supporting the Terminal, GA, Cargo, and Operations facilities at the Airport.

Justification Maverick Avenue has deteriorated from age and use. The roadway has alligator cracking, depressions, and spaces. Reconstruction is needed to preserve functionality for the future. The road serves GA tenants on the north side and Concessionaires on the south side, and provides access to the aircraft apron.

Scheduling and Project Status 2016

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$1,000,000					\$1,000,000
Other (specify)						
<b>Total</b>	<b>\$1,000,000</b>					<b>\$1,000,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves	\$50,000					\$50,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant	\$900,000					\$900,000
State Grant	\$50,000					\$50,000
<b>Total</b>	<b>\$1,000,000</b>					<b>\$1,000,000</b>

PREPARER Tim Thorsen PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Rehabilitate Terminal Blvd	Priority	5 of 38	1st Year: 2015		
Description: Rehabilitation (Mirco Surface) of Terminal Boulevard.						
Justification: Extends the life of the current paved surfaces.						
Scheduling and Project Status: 2016						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$260,000					\$260,000
Other (specify)						
<b>Total</b>	<b>\$260,000</b>					<b>\$260,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$13,000					\$13,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant	\$234,000					\$234,000
State Grant	\$13,000					\$13,000
<b>Total</b>	<b>\$260,000</b>					<b>\$260,000</b>
PREPARER: Tim Thorsen	PREPARER'S PHONE NUMBER: 355-1806					

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Long Term, Short Term, & Economy Parking Lot Rehabilitation	Priority	6 of 38	1st Year: 2015		
Description: Rehabilitate the paved parking lot surfaces (Mill and Overlay Rejuvenation).						
Justification: Extends the useful life of the paved surfaces.						
Scheduling and Project Status: 2016						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$680,000					\$680,000
Other (specify)						
<b>Total</b>	<b>\$680,000</b>					<b>\$680,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$680,000					\$680,000
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>\$680,000</b>					<b>\$680,000</b>
PREPARER: Tim Thorsen	PREPARER'S PHONE NUMBER: 355-1806					



## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: PFC 7 Application Preparation	Priority	8 of 38	1st Year: 2016		
Description: Prepare PFC Application #7: To recover costs incurred by the Airport for the preparation of this PFC Application. This includes the development of the PFC application #7 and all related forms as well as airline consultation coordination.						
Justification Preparation of the PFC Application is necessary to allow collections of PFC by the City of Bismarck. The recovery of the cost for the preparation of PFC Application is considered "allowable cost" by the FAA. Specific language to the effect is included in the preamble to Part 158 and the FAA PFC handbook. Preparation of the PFC application including airline consultation, project eligibility and financing, as well as other costs incurred in the preparation of the PFC. Scheduling and Project Status 2016						
Annual Impact on Income and Operating Costs						
	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)	\$50,000					\$50,000
Total	\$50,000					\$50,000
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$50,000					\$50,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
Total	\$50,000					\$50,000
PREPARER Tim Thorsen	PREPARER'S PHONE NUMBER 355-1806					

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Plans and Specifications for 2017 Construction Projects	Priority	9 of 38	1st Year: 2016		
Description: Prepare the plans and specifications for 2017 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 CIP and grant applications.						
Scheduling and Project Status 2016						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design	\$500,000					\$500,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>	<b>\$500,000</b>					<b>\$500,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$25,000					\$25,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant	\$450,000					\$450,000
State Grant	\$25,000					\$25,000
<b>Total</b>	<b>\$500,000</b>					<b>\$500,000</b>
PREPARER	Tim Thorsen	PREPARER'S PHONE NUMBER			355-1806	

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Plans and Specifications - Runway 13/31 Reconstruction - Phase I	Priority	10 of 38	1st Year: 2016		
Description: Prepare the plans and specifications for phase 1 of runway 13/31 reconstruction.						
Justification Produces engineer estimate for use in budgeting the reconstruction of Runway 13/31, produces bid specifications so that projects can be bid early in the year. Allows completion of environmental actions needed for FAA CIP and grant applications.						
Scheduling and Project Status 2017						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design		\$1,700,000				\$1,700,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>		<b>\$1,700,000</b>				<b>\$1,700,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$85,000				\$85,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						\$1,530,000
Federal Grant		\$1,530,000				\$85,000
State Grant		\$85,000				\$1,700,000
<b>Total</b>		<b>\$1,700,000</b>				<b>\$1,700,000</b>
PREPARER Tim Thorsen	PREPARER'S PHONE NUMBER 355-1806					

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: 2017 Runway 03/21 and Taxiway D Planning and Engineering Design Rprt	Priority	11 of 38	1st Year: 2016		
Description: Prepare the Planning and Engineering Design Report for runway 03/21 and Taxiway D.						
Justification Produces engineer estimate for use in budgeting the planning and engineering design report, produces bid specifications so that projects can be bid early in the year. Allows completion of environmental actions needed for FAA CIP and grant applications.						
Scheduling and Project Status 2017						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design		\$230,000				\$230,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>		<b>\$230,000</b>				<b>\$230,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$11,500				\$11,500
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant		\$207,000				\$207,000
State Grant		\$11,500				\$11,500
<b>Total</b>		<b>\$230,000</b>				<b>\$230,000</b>
PREPARER Tim Thorsen	PREPARER'S PHONE NUMBER 355-1806					

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Rehabilitate/ Expand SRE Building/ New SRE Building	Priority	12 of 38	1st Year: 2015		
Description: Expand existing building or add a separate building to accommodate Snow Removal Equipment needed to meet snow removal times.						
Justification Existing building does not accommodate needed Snow Removal Equipment.						
Scheduling and Project Status 2017						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	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		\$75,000				\$75,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant		\$1,350,000				\$1,350,000
State Grant		\$75,000				\$75,000
<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 2016 - 2020

Department: Airport	Project Title: Purchase Snow Removal Equipment	Priority	13 of 38	1st Year: 2014		
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 2017						
Annual Impact on Income and Operating Costs Reimbursed by PFC # 7						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction		\$600,000				\$600,000
Other (specify)		\$600,000				\$600,000
Total		\$600,000				\$600,000
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$600,000				\$600,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
Total		\$600,000				\$600,000
PREPARER Tim Thorsen					PREPARER'S PHONE NUMBER 355-1806	

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Expand Passenger Parking	Priority	14 of 38	1st Year: 2014		
Description: Expand Passenger Parking Lot.						
Justification: Increase of passenger parking will help meet the increasing passenger growth.						
Scheduling and Project Status: 2017						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	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						
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 2016 - 2020

Department: Airport	Project Title: Plans and Specifications for 2018 Construction Projects	Priority	15 of 38	1st Year: 2016		
Description: Prepare the plans and specifications for the 2018 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 CIP and grant applications.						
Scheduling and Project Status 2017						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design		\$300,000				\$300,000
Engineering/Architectural						
Construction						
Other (specify)						
<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						
Other (specify)						
<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 2016 - 2020

Department: Airport	Project Title: Rehabilitate (Reconstruction) of Runway 13/31 - Phase I	Priority	16 of 38	1st Year: 2014		
Description: Rehabilitate (Reconstruction) of runway 13/31.						
<p>Justification In 2011, some of the Pavement Condition Index (PCI) ratings on runway 13/31 was as low as 42. Some of the pavements were constructed as early as 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.</p> <p>Scheduling and Project Status 2018</p> <p>Annual Impact on Income and Operating Costs</p>						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction			\$22,900,000			\$22,900,000
Other (specify)						
<b>Total</b>			<b>\$22,900,000</b>			<b>\$22,900,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$1,145,000			\$1,145,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant			\$20,610,000			\$20,610,000
State Grant			\$1,145,000			\$1,145,000
<b>Total</b>			<b>\$22,900,000</b>			<b>\$22,900,000</b>
PREPARER Tim Thorsen					PREPARER'S PHONE NUMBER 355-1806	

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Plans and Specifications for Runway 13/31 Reconstruction- Phase II	Priority	17 of 38	1st Year: 2016		
Description: Prepare the plans and specifications for phase two reconstruction of runway 13/31.						
Justification Provides information on all the drawings pertaining to Phase II of Runway 13/31 reconstruction. Includes written instructions to the builder for materials, workmanship, style, colors, and finishes. Primary tool for communicating specifics on Phase II Runway 13/31 reconstruction. Produces engineer estimate for use in budgeting. Allows completion of environmental actions needed for FAA CIP and grant applications.						
Scheduling and Project Status 2018						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design			\$500,000			\$500,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>			<b>\$500,000</b>			<b>\$500,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$25,000			\$25,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant			\$450,000			\$450,000
State Grant			\$25,000			\$25,000
<b>Total</b>			<b>\$500,000</b>			<b>\$500,000</b>
PREPARER Tim Thorsen					PREPARER'S PHONE NUMBER 355-1806	

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Hangar 5 Relocation	Priority	18 of 38	1st Year: 2014		
Description: Relocate Hangar 5. Continues expansion of GA ramp to Northwest and includes 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						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction			\$300,000			\$300,000
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						
Other (specify)						
<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 2016 - 2020

Department: Airport      Project Title: Environmental Assessment for Runway 03/21 and Taxiway D Rehabilitation      Priority 19 of 38      1st Year: 2016

Description: Produce the Environmental Assessment of runway 03/21 Rehabilitation.

Justification      The purpose of the environmental assessment will be to analyze a proposed project which includes rehabilitation of runway 03/21 and Taxiway D. The rehabilitation of runway 03/21 and Taxiway D will allow Bismarck Airport to maintain runway 03/21 and Taxiway D for aviation traffic. Requirement for Federal funds.

Scheduling and Project Status      2018

Annual Impact on Income and Operating Costs

	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design			\$150,000			\$150,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>			<b>\$150,000</b>			<b>\$150,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$7,500			\$7,500
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant			\$135,000			\$135,000
State Grant			\$7,500			\$7,500
<b>Total</b>			<b>\$150,000</b>			<b>\$150,000</b>

PREPARER      Tim Thorsen      PREPARER'S PHONE NUMBER      355-1806

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Expand GA Apron to Northwest- Phase IV	Priority	20	of	38	1st Year: 2015
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>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</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						
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 2016 - 2020

Department: Airport	Project Title: Commercial Service Terminal Rehabilitation				Priority	21 of 38	1st Year: 2013
Description: Rehabilitation of the Commercial Terminal. Replace worn physical plant and interior.							
Justification: Preserve functionality and extend building useful life.							
Scheduling and Project Status: 2018							
Annual Impact on Income and Operating Costs							
<b>Project Costs:</b>	2016	2017	2018	2019	2020	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			\$75,000				\$75,000
Motel/Liquor/Restaurant							
Building Construction							
Sales Tax Fund							
Special Assessment Bonds							
Other (specify)							
<b>Non-City</b>							
Private/Donations							
Federal Grant			\$1,350,000				\$1,350,000
State Grant			\$75,000				\$75,000
<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 2016 - 2020

Department: Airport	Project Title: Environmental Assessment for Runway 13 RPZ Land Purchase- Phase II		Priority	22 of 38	1st Year: 2014	
Description: Produce the Environmental Assessment for purchasing land for the Runway Protection Zone. Continues land purchasing from Phase I.						
Justification The FAA recommends that airports gain title to Runway Protection Zones (RPZ). This continues acquisition of RPZ started in Phase I. Increases safety by preventing non-compatible land uses in the RPZ.						
Scheduling and Project Status 2018						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design			\$200,000			\$200,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>			<b>\$200,000</b>			<b>\$200,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$10,000			\$10,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant			\$180,000			\$180,000
State Grant			\$10,000			\$10,000
<b>Total</b>			<b>\$200,000</b>			<b>\$200,000</b>

PREPARER Tim Thorsen      PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport      Short Term Parking Lot Rehabilitation (Rejuvenation)      Priority 23 of 38      1st Year: 2015

Description: Rehabilitation (rejuvenation) of the Short Term and Economy parking lots.

Justification      Extends the useful life of the paved surfaces.

Scheduling and Project Status      2018

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	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	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves			\$100,000			\$100,000
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>\$100,000</b>			<b>\$100,000</b>

PREPARER      Tim Thorsen

PREPARER'S PHONE NUMBER      355-1806

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Acquire ARFF Truck	Priority	24 of 38	1st Year: 2015			
Description: Acquire a 1500 gallon Aircraft Rescue and Fire Fighting Vehicle to meet standards in accordance with FAR Part 139 requirements.							
Justification For the airlines operating at the airport the BIS Airport as a full Part 139 airport is required to have an ARFF truck on the field and have it staffed during schedule commercial flights.							
Scheduling and Project Status 2018							
Annual Impact on Income and Operating Costs Reimbursed by PFC #7.							
<b>Project Costs:</b>		2016	2017	2018	2019	2020	Total
Planning & Preliminary Design							
Engineering/Architectural							
Construction				\$750,000			\$750,000
Other (specify)				\$750,000			\$750,000
<b>Total</b>				\$750,000			\$750,000
<b>Project Funding:</b>							
<b>City</b>							
Enterprise Construction Reserves				\$750,000			\$750,000
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>				\$750,000			\$750,000

PREPARER Tim Thorsen PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Plans and Specifications for 2019 Construction Projects	Priority	25 of 38	1st Year: 2016		
Description: Prepare the plans and specifications for the 2019 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 CIP and grant applications.						
Scheduling and Project Status 2018						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design			\$500,000			\$500,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>			<b>\$500,000</b>			<b>\$500,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$25,000			\$25,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant			\$450,000			\$450,000
State Grant			\$25,000			\$25,000
<b>Total</b>			<b>\$500,000</b>			<b>\$500,000</b>
PREPARER Tim Thorsen					PREPARER'S PHONE NUMBER 355-1806	

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Rehabilitation Runway 13/31 (Reconstruction) - Phase II	Priority	26 of 38	1st Year: 2015		
Description: Rehabilitate (Reconstruction) of runway 13/31, continues rehabilitation (reconstruction) begun in phase I.						
Justification In 2011, some of the Pavement Condition Index (PCI) ratings on runway 13/31 was as low as 42. Some of the pavements were constructed as early as 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 2019						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction				\$36,000,000		\$36,000,000
Other (specify)						
<b>Total</b>				<b>\$36,000,000</b>		<b>\$36,000,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves				\$1,800,000		\$1,800,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant				\$32,400,000		\$32,400,000
State Grant				\$1,800,000		\$1,800,000
<b>Total</b>				<b>\$36,000,000</b>		<b>\$36,000,000</b>

PREPARER Tim Thorsen      PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Plans and Specifications- Runway 03/21 and Taxiway D (Rehabilitation)	Priority	27 of 38	1st Year: 2016		
Description: Prepare the plans and specifications for the rehabilitation of Runway 03/21 and Taxiway D.						
Justification Provides information on all the drawings pertaining to the rehabilitation of Runway 03/21 and Taxiway D. Includes written instructions to the builder for materials, workmanship, style, colors, and finishes. Primary tool for communicating specifics on the rehabilitation of Runway 03/21 and Taxiway D. Produces engineer estimate for use in budgeting. Allows completion of environmental actions needed for FAA CIP and grant applications.						
Scheduling and Project Status 2019						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design				\$600,000		\$600,000
Engineering/Architectural						
Construction						
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						
Other (specify)						
<b>Non-City</b>						
Private/Donations				\$540,000		\$540,000
Federal Grant				\$30,000		\$30,000
State Grant				\$600,000		\$600,000
<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 2016 - 2020

Department: Airport      Project Title: Wetlands Mitigation - Phase VI (On Airport)      Priority 28 of 38 1st Year: 2015  
 Description: Wetland Filling at the Runway 03 end of Runway 03/21.

Justification Wetlands Mitigation is required by the wildlife hazard plan, in order to reduce wildlife hazards to the airport and aircraft operating at the airport.

Scheduling and Project Status 2018

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	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:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves				\$150,000		\$150,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant				\$2,700,000		\$2,700,000
State Grant				\$150,000		\$150,000
<b>Total</b>				<b>\$3,000,000</b>		<b>\$3,000,000</b>

PREPARER Tim Thorsen      PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Taxiway Rehabilitation (Rejuvenation)	Priority	29 of 38	1st Year: 2016		
Description: Rehabilitation of airport taxiways.						
Justification: Preserve functionality and extend taxiway useful life.						
Scheduling and Project Status: 2019						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
Planning & Preliminary Design	2016	2017	2018	2019	2020	Total
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						
Other (specify)						
<b>Non-City</b>						
Private/Donations				\$315,000		\$315,000
Federal Grant				\$17,500		\$17,500
State Grant				\$350,000		\$350,000
<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 2016 - 2020

Department: Airport	Jetway Avenue, Corporate Circle, Lancair Drive Rehabilitation (Rejuvenation)	Priority	30	of	38	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>						
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>City</b>						
Enterprise Construction Reserves			\$6,000			\$6,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
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 2016 - 2020

Department: Airport	Project Title: Construct South Side Service Road	Priority	31 of 38	1st Year: 2014		
Description: Construction of new South Side Service Road.						
Justification: Keeps vehicle traffic off movement areas to minimize incursion risk.						
Scheduling and Project Status: 2019						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
Planning & Preliminary Design	2016	2017	2018	2019	2020	Total
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				\$75,000		\$75,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant				\$1,350,000		\$1,350,000
State Grant				\$75,000		\$75,000
<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 2016 - 2020

Department: Airport	Project Title: Runway 13 Runway Protection Zone Land Purchase- Phase II	Priority	32 of 38	1st Year: 2013		
Description: Purchase land to accommodate control of the Runway Protection Zone (RPZ).						
Justification Purchase ensures compatible land use of property in the RPZ. The FAA recommends that airports gain title to Runway Protection Zones (RPZ). This continues acquisition of RPZ started in Phase I. Increases safety by preventing non-compatible land uses in the RPZ.						
Scheduling and Project Status 2019						
Annual Impact on Income and Operating Costs						
	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design				\$2,000,000		\$2,000,000
Engineering/Architectural						
Construction						
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						
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 2016 - 2020

Department: Airport	Project Title: Plans and Specifications for 2020	Priority	33 of 38	1st Year: 2016		
Description: Prepare the plans and specifications for the 2020 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 CIP and grant applications.						
Scheduling and Project Status 2019						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design				\$500,000		\$500,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>				<b>\$500,000</b>		<b>\$500,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves				\$25,000		\$25,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations				\$450,000		\$450,000
Federal Grant				\$25,000		\$25,000
State Grant				<b>\$500,000</b>		<b>\$500,000</b>
<b>Total</b>				<b>\$500,000</b>		<b>\$500,000</b>
PREPARER Tim Thorsen	PREPARER'S PHONE NUMBER 355-1806					

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Rehabilitate Runway 03/21	Priority	34 of 38	1st Year: 2015		
Description: Rehabilitation (Rejuvenation) of runway 03/21						
<p>Justification According to 2020 projections, the Pavement Condition Index (PCI) rating of Runway 03/21 sections will be fair and poor. Strengthening the runway allows for continued use of the airport by heavier aircraft. If Runway 13/31 is closed, this allows for continued use of the aircraft, because they can use Runway 03/21.</p>						
Scheduling and Project Status 2020						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
Planning & Preliminary Design	2016	2017	2018	2019	2020	Total
Engineering/Architectural						
Construction					\$5,000,000	\$5,000,000
Other (specify)						
<b>Total</b>					<b>\$5,000,000</b>	<b>\$5,000,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves					\$250,000	\$250,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations					\$4,500,000	\$4,500,000
Federal Grant					\$250,000	\$250,000
State Grant					\$5,000,000	\$5,000,000
<b>Total</b>					<b>\$5,000,000</b>	<b>\$5,000,000</b>
PREPARER	Tim Thorsen	PREPARER'S PHONE NUMBER			355-1806	

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport      Project Title: Rehabilitate Taxiway D      Priority 35 of 38      1st Year: 2015  
 Description: Rehabilitation of Taxiway D

Justification      Extends the useful life of the paved surfaces for aircraft.

Scheduling and Project Status      2020

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction					\$3,800,000	\$3,800,000
Other (specify)						
<b>Total</b>					<b>\$3,800,000</b>	<b>\$3,800,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves					\$190,000	\$190,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant					\$3,420,000	\$3,420,000
State Grant					\$190,000	\$190,000
<b>Total</b>					<b>\$3,800,000</b>	<b>\$3,800,000</b>

PREPARER      Tim Thorsen

PREPARER'S PHONE NUMBER      355-1806

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Expand Commercial Terminal	Priority	36 of 38	1st Year: 2016		
Description: Expansion of Commercial passenger terminal						
<p>Justification The Bismarck Airport is on a steady trend for increasing passengers and will need to be able to accomadate those growing demands with an expansion of the commercial passenger terminal.</p>						
Scheduling and Project Status 2020						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
Planning & Preliminary Design	2016	2017	2018	2019	2020	Total
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						
Other (specify)						
<b>Non-City</b>						
Private/Donations					\$3,600,000	\$3,600,000
Federal Grant					\$200,000	\$200,000
State Grant					\$4,000,000	\$4,000,000
<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 2016 - 2020

Department: Airport	Project Title: Purchase Plow or Broom	Priority	37 of 38	1st Year: 2015		
Description: Purchase a snow plow.						
Justification The airport is allowed ten (10) plows to meet the minimum snow removal rate and has four (4).						
Scheduling and Project Status 2020						
Annual Impact on Income and Operating Costs PFC #8						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)					\$700,000	\$700,000
Total					\$700,000	\$700,000
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves					\$700,000	\$700,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
Total					\$700,000	\$700,000

PREPARER Tim Thorsen      PREPARER'S PHONE NUMBER 355-1806

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Airport	Project Title: Plans and Specifications for 2021	Priority	38 of 38	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 CIP and grant applications.						
Scheduling and Project Status 2020						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design					\$500,000	\$500,000
Engineering/Architectural						
Construction						
Other (specify)						
<b>Total</b>					<b>\$500,000</b>	<b>\$500,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves					\$25,000	\$25,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations					\$450,000	\$450,000
Federal Grant					\$25,000	\$25,000
State Grant					\$500,000	\$500,000
<b>Total</b>						
PREPARER Tim Thorsen					PREPARER'S PHONE NUMBER 355-1806	

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**BISMARCK EVENT CENTER**

Requested Project	Rank	Cost to be Funded	Funding Source		Projected Costs Per Year	2016-2020				
			Source	%		2016	2017	2018	2019	2020
Chiller Overhaul	1	135,000	M/L/R Tax	100	135,000	-	-	-	-	-
Camera Security System	2	75,000	M/L/R Tax	100	75,000	-	-	-	-	-
Exhibit Hall A Audio Visual	3	277,000	M/L/R Tax	100	277,000	-	-	-	-	-
Arena Video Cameras & Cabling	4	259,300	M/L/R Tax	100	259,300	-	-	-	-	-
AC/Ice Making Compressors Replacement	5	50,000	M/L/R Tax	100	-	50,000	-	-	-	-
E Dressing Rooms HVAC Replacement	6	50,000	M/L/R Tax	100	-	50,000	-	-	-	-
Paint Steel Handrails	7	52,000	M/L/R Tax	100	-	52,000	-	-	-	-
Pavement Repair Parking Lots D & E	8	750,000	M/L/R Tax	100	-	750,000	-	-	-	-
Roof Top Air Conditioning System	9	50,000	M/L/R Tax	100	-	50,000	-	-	-	-
Upgrade VAV's, Reheats, DDC Controls	10	275,000	M/L/R Tax	100	-	275,000	-	-	-	-
Parking Ramp	11	40,000,000	M/L/R Tax	100	-	6,820,000	33,180,000	-	-	-
Arena Door Hardware Replacement	12	75,000	M/L/R Tax	100	-	-	75,000	-	-	-
Food Court Renovation	13	100,000	M/L/R Tax	100	-	-	100,000	-	-	-
Keyed Security System Replacement	14	50,000	M/L/R Tax	100	-	-	50,000	-	-	-
Refinish Seating	15	57,000	M/L/R Tax	100	-	-	57,000	-	-	-
Ex Hall Door Hardware Replacement	16	75,000	M/L/R Tax	100	-	-	75,000	-	-	-
Convention/Meeting Segment Expansion	17	47,400,000	M/L/R Tax	100	-	-	-	8,058,000	-	-
<b>TOTAL</b>		<b>89,730,300</b>			<b>746,300</b>	<b>8,047,000</b>	<b>33,537,000</b>	<b>8,058,000</b>	<b>39,342,000</b>	
<b>NON-CITY FUNDING</b>		<b>-</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>89,730,300</b>			<b>746,300</b>	<b>8,047,000</b>	<b>33,537,000</b>	<b>8,058,000</b>	<b>39,342,000</b>	

Requested but not Approved by the Commission

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Bismarck Event Center	Project Title: Chiller Overhaul	Priority	1 of 17	1st Year: 2015		
Description: There are two chillers in the Event Center that need to be overhauled to assure continued performance. These are the two exhibit hall rotary screw chillers that are used to air condition the existing exhibit hall.						
Justification The chillers have become unreliable. An overhaul will extend their life and improve their performance. Potential exists for failure to operate with little or no warning.						
Scheduling and Project Status RFQ for Services fourth quarter 2015. Service work to begin first quarter 2016 in time for Spring 2016 cooling needs.						
Annual Impact on Income and Operating Costs The annual operating costs should be reduced since the chillers will be more efficient once they are overhauled.						
<b>Project Costs:</b>						
Planning & Preliminary Design	2016	2017	2018	2019	2020	Total
Engineering/Architectural Construction						
Other (Eqpt Mtce/Mechanic)	\$135,000					\$135,000
<b>Total</b>	<b>\$135,000</b>					<b>\$135,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$135,000					\$135,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$135,000</b>					<b>\$135,000</b>
PREPARER LaVonne Wohi		PREPARER'S PHONE NUMBER 355-1743				

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Bismarck Event Center | Project Title: Camera Security System  
 Description: Expand on our current camera security system

Priority 2 of 17 | 1st Year: 2016

**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** Inside install would begin in March, 2016 and outside install would begin in May, 2016

**Annual Impact on Income and Operating Costs**

These cameras are designed to record and keep recorded information up to 30 days. In the event of someone entering the facility without us knowing, this would help us to prosecute these people. Also we have a lot of homeless people around our building. These cameras would help us to monitor them without endangering themselves

	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)	\$75,000					\$75,000
<b>Total</b>	<b>\$75,000</b>					<b>\$75,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
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 Ron Staiger

PREPARER'S PHONE NUMBER 355-1381

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Bismarck Event Center | Project Title: Exhibit Hall A Audio Visual | Priority 3 of 17 | 1st Year: 2016

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 Bid in December of 2015 with install January or February 2016

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

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)	\$277,000					\$277,000
<b>Total</b>	<b>\$277,000</b>					<b>\$277,000</b>

Project Funding:	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$277,000					\$277,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$277,000</b>					<b>\$277,000</b>

PREPARER Ron Staiger | PREPARER'S PHONE NUMBER 355-1381

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Bismarck Event Center | Project Title: Arena Video Cameras & Cabling | Priority 4 of 17 | 1st Year: 2016  
 Description: Replace the current standard-definition video cameras and analog cables in the arena with high-definition (HD) components.

**Justification:** These cameras & cabling were originally included in the 2014 AV studio upgrade to high-definition (HD), but were omitted due to budget constraints. The AV studio is now entirely HD compatible, with the exception of the cameras. HD cameras are a vital component to the AV system since they provide the primary images that are displayed on the arena screens. The old analog video cables will be replaced with fiber optic cable, which is more economical than copper for long distances such as 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 late January 2016 in order to be functional for a busy event season including 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 AV services, sponsor revenue and justification for increasing AV fees to correspond with HD video services.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural Construction						
Other (specify)	\$259,300					\$259,300
<b>Total</b>	<b>\$259,300</b>					<b>\$259,300</b>

Project Funding:						
City						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	\$259,300					\$259,300
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$259,300</b>					<b>\$259,300</b>

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

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Bis Event Center - Arena | Project Title: AC/Ice Making Compressors Replacement | Priority 5 of 17 | 1st Year: 2015  
 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:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction		\$50,000				\$50,000
Other (specify)						
Total		\$50,000				

Project Funding:	2016	2017	2018	2019	2020	Total
City						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		\$50,000				\$50,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

Non-City	2016	2017	2018	2019	2020	Total
Private/Donations						
Federal Grant						
State Grant						
Total		\$50,000				\$50,000

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

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Event Center - Arena | Project Title: East Dressing Rooms HVAC Replacement | Priority 6 of 17 | 1st Year: 2015

Description: The lower east dressing rooms and meeting rooms have an HVAC system that needs to be replaced. The supply air handler fan, return air fan, exhaust fan, chill water coils, heating water coils, supply/return and exhaust air ducts do not supply the areas with enough cfm air flow to cool or heat the rooms.

Justification There is compromised comfort for performers, visitors, and staff.

Scheduling and Project Status RFQ in fourth quarter 2016. Construction should begin in first quarter of 2017.

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	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:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		\$50,000				\$50,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

Non-City	2016	2017	2018	2019	2020	Total
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$50,000</b>				<b>\$50,000</b>

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

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Event Center - Arena      Project Title: Paint Steel Handrails      Priority 7 of 17 | 1st Year: 2015

Description: There is deterioration on the steel handrails and an image of disrepair. The deterioration is deepening and will get worse over time.

Justification Cost of repair will increase over time if not repainted.

Scheduling and Project Status      Repainting should occur in the first quarter of 2017.

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction		\$52,000				\$52,000
Other (specify)						
<b>Total</b>		<b>\$52,000</b>				<b>\$52,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		\$52,000				\$52,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$52,000</b>				<b>\$52,000</b>

PREPARER LaVonne Wohl

PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Event Center - Arena | Project Title: Pavement Repair Parking Lots D & E | Priority 8 of 17 | 1st Year: 2015  
 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 RFQ in fourth quarter of 2016. Construction should begin as soon as weather permits in 2017.

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	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:	2016	2017	2018	2019	2020	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 LaVonne Wohl | PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Event Center - Arena    Project Title: Roof Top Air Conditioning System    Priority 9 of 17 | 1st Year: 2015

Description: The office roof top air conditioning system needs to be researched on how to increase the chill water capacity to be able to cool the office, meeting rooms/ Aspen, Birch, Cottonwood, ticket office lobby, and food court. One solution is to add another roof top A/C unit and chiller barrel evaporator to increase chill water capacity.

Justification    There is compromised comfort for staff and visitors.

Scheduling and Project Status    RFQ in fourth quarter of 2016. Begin construction in 2017 when weather permits in time for spring cooling needs.

Annual Impact on Income and Operating Costs    Annual operating costs will increase some because more cooling is needed.

Project Costs:	2016	2017	2018	2019	2020	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:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		\$50,000				\$50,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$50,000</b>				<b>\$50,000</b>

PREPARER LaVonne Wohl

PREPARER'S PHONE NUMBER 355-1743

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: Bismarck Event Center | Project Title: Upgrade VAV's, Reheats, DDC Controls

Priority 10 of 17 | 1st Year: 2015

Description: Air handling system needs upgrade to VAV's, reheat units and DDC controls to improve performance of the system.

**Justification** The existing system is not efficient and some components are becoming difficult to repair. DDC controls will improve flexibility of temperature settings and other control options, improving overall performance and energy savings.

**Scheduling and Project Status** RFQ for Services fourth quarter 2015. Service work to begin first quarter 2016 in time for Spring 2016 cooling needs.

**Annual Impact on Income and Operating Costs** The annual operating costs should be reduced since the chillers will be more efficient once they are overhauled.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural		\$25,000				\$25,000
Construction		\$250,000				\$250,000
Other (Specify)						
<b>Total</b>		<b>\$275,000</b>				<b>\$275,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		\$275,000				\$275,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$275,000</b>				<b>\$275,000</b>

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

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Bismarck Event Center | Project Title: Parking Ramp | Priority 11 of 17 | 1st Year: 2015

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 2017 with construction following in the spring of 2018.

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

Project Costs:	2016	2017	2018	2019	2020	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:	2016	2017	2018	2019	2020	Total
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 LaVonne Wohl | PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Event Center - Arena | Project Title: Door Hardware Replacement | Priority 12 of 17 | 1st Year: 2015

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 2018.

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:	2016	2017	2018	2019	2020	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:	2016	2017	2018	2019	2020	Total
City						
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: LaVonne Wohl | PREPARER'S PHONE NUMBER: 355-1743

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: Event Center - Arena | Project Title: Food Court Renovation | Priority: 13 of 17 | 1st Year: 2015

Description: The nonfunctioning light fixture in the main southwest entry to the ticket office lobby should be removed. This would allow the food court area to be enlarged by removing the southwest glass wall and extending the floor to the outside south and west walls. The ticket office vestibules heating system could be upgraded so the vestibule and ticket lobby temperature would be warm enough so that door guards and ticket takers would not have to wear coats and gloves during winter events. The space should be renovated to control heat loss and increase options for heat.

Justification Ticket takers and door guards have compromised comfort while standing inside the entryway. Visitor comfort would be increased.

Scheduling and Project Status RFQ in fourth quarter of 2017. Construction should begin in first quarter of 2018.

Annual Impact on Income and Operating Costs Annual operating costs would increase due to upgrades and the heating of more space.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural			\$15,000			\$15,000
Construction			\$85,000			\$85,000
Other (specify)						
<b>Total</b>			<b>\$100,000</b>			<b>\$100,000</b>

Project Funding:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant			\$100,000			\$100,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$100,000</b>			<b>\$100,000</b>

PREPARER LaVonne Wohl PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Event Center - Arena | Project Title: Keyed Security System Replacement | Priority 14 of 17 | 1st Year: 2015

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 2017. New system should be installed in first half of 2018.

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

Project Costs:	2016	2017	2018	2019	2020	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:	2016	2017	2018	2019	2020	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 LaVonne Wohl | PREPARER'S PHONE NUMBER 355-1743

# City of Bismarck Capital Improvement Project 2016 - 2020

**Department:** Event Center - BM      **Project Title:** Refinish Seating      **Priority** 15 of 17 **1st Year:** 2015  
**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** Fund raising deadline of April 1, 2018. Bidding second quarter 2018. The seats should start being refinished in the third quarter of 2018 and finished by September 1, 2018.

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

<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction			\$57,000			\$57,000
Other (specify)						
<b>Total</b>			<b>\$57,000</b>			<b>\$57,000</b>

<b>Project Funding:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant			\$57,000			\$57,000
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$57,000</b>			<b>\$57,000</b>

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

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: Event Center - EH | Project Title: Door Hardware Replacement | Priority 16 of 17 | 1st Year: 2015  
 Description: Replace existing door hardware to match the new Exhibit Hall. Existing hardware is aged and becoming difficult to repair.

**Justification** There is compromised maintenance efficiency with having multiple systems and aged hardware becomes difficult to find parts to repair.

**Scheduling and Project Status** The door hardware replacement should take place in the first quarter of 2018. This work would be included in a major Expansion project should that be planned before this time.

**Annual Impact on Income and Operating Costs** This will reduce staff maintenance time and improve performance of the systems.

<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction			\$75,000			\$75,000
Other (specify)						
<b>Total</b>			<b>\$75,000</b>			<b>\$75,000</b>

<b>Project Funding:</b>	2016	2017	2018	2019	2020	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 LaVonne Wohl | PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Bismarck Event Center | Project Title: Convention/Meeting Segment Expansion | Priority 17 of 17 | 1st Year: 2015

Description: The expansion would add 8,000 SF of meeting room space and 10,000 SF of kitchen, storage, and service space to the second level. The third level would have 25,000-30,000 SF of ballroom space and 30,000 SF of lobby/prefunction space added. It would also provide a new mechanical mezzanine.

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:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design				\$500,000		\$500,000
Engineering/Architectural				\$2,818,000		\$2,818,000
Construction					\$39,342,000	\$39,342,000
Contingency				\$4,740,000		\$4,740,000
<b>Total</b>				<b>\$8,058,000</b>	<b>\$39,342,000</b>	<b>\$47,400,000</b>

Project Funding:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant				\$8,058,000		\$8,058,000
Building Construction					\$39,342,000	\$39,342,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>				<b>\$8,058,000</b>	<b>\$39,342,000</b>	<b>\$47,400,000</b>

PREPARER: LaVonne Wohl | PREPARER'S PHONE NUMBER: 355-1743

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**FIRE DEPARTMENT**

Requested Project	Rank	Cost to be Funded	Funding Source		%	2016	Projected Costs Per Year			
			TBD	Other			2017	2018	2019	2020
Replacement of Aerial/Quint Fire Trucks	1	1,700,000	TBD	Other	100	1,700,000	-	-	-	-
Purchase Land for Future Fire Stations	2		TBD		100	TBD	-	-	-	-
Roof Shingle Replacement, Attic Ventilation & Insulation - Station 5	3	75,000	Building Construction		100	75,000	-	-	-	-
Station #1 Boiler	4	150,000	Building Construction		100	-	150,000	-	-	-
SCBA Packs & Face Pieces	5	387,000	Other		100	-	-	387,000	-	-
Station #1 Air Refill Compressor	6	65,000	Building Construction		100	-	-	65,000	-	-
<b>TOTAL</b>		<b>2,377,000</b>				<b>1,775,000</b>	<b>150,000</b>	<b>452,000</b>	<b>-</b>	<b>-</b>
<b>NON-CITY FUNDING</b>		<b>-</b>				<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>2,377,000</b>				<b>1,775,000</b>	<b>150,000</b>	<b>452,000</b>	<b>-</b>	<b>-</b>

Requested but not Approved by the Commission

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: Fire | Project Title: Replacement of Aerial/Quint Fire Trucks | Priority 1 of 6 | 1st Year: 2016

Description: \* See attachment

The current fire truck fleet consists of five front-line units; three aerial/quint trucks and two fire engines, supported by rescue, brush and reserve trucks. Two of these aerial/quint units will have been serving as front line trucks for 15 years at the end of this year. The cost estimate to replace these units with "like units" and equipped is approximately \$2 million.

For operational purposes it is necessary to have at least one aerial that can be assigned to elevated fire fighting and rescue. Having the three aerial/quint units provided for greater fireground flexibility. This request recommends a transition from multiple aerial/quint trucks, and that the remaining aerial/quint which is a newer model be utilized as the one dedicated aerial. As a result of this transition the fire truck fleet would consist of five front-line engines and one-front line aerial, supported by rescue, brush and an improved level of reserve trucks.

The cost for this replacement transition reduces the cost from \$2 million to approximately \$1.7 million, as the price of three engines is less than two quints. The next fire truck replacement would not need to occur until the year 2026.

Justification The aerial/quints have reached the end of their front-line service life, they would be placed into a standby or reserve status. The reliability of the fire truck fleet, both front-line and reserve units, needs to be maintained.

Scheduling and Project Status

Recommendation to develop specifications and bidding in 2016. The manufacturing process typically takes 10-12 months and delivery would occur in 2017. Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify) Fire Truck	\$1,700,000					\$1,700,000
<b>Total</b>	<b>\$1,700,000</b>					<b>\$1,700,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify) Fire Truck Reserve	\$1,700,000					\$1,700,000
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$1,700,000</b>					<b>\$1,700,000</b>

PREPARER J Boespflug | PREPARER'S PHONE NUMBER 1423

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: Fire | Project Title: Purchase of Land for Future Fire Stations | Priority 2 of 6 | 1st Year: 2016

Description: Purchase one to two acre plots of land in areas of expected growth for future fire stations.

Justification As the the City of Bismarck continues to grow, land in appropriate location for infrastructure is often difficult to find. This is especially true in fire protection where location is particularly important. The purchase of land now for fire stations can save significant money in the future by not having to pay a premium at the time of construction. Plus the proper location will save money with more efficient fire protection operations. Scheduling and Project Status

Annual Impact on Income and Operating Costs Cost of Maintenance such as controlling weeds and grasses.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)	TBD					TBD
Total						

Project Funding:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)	TBD					TBD
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
Total						

PREPARER J Boespflug | PREPARER'S PHONE NUMBER 1423

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: Fire      Project Title: Roof Shingle Replacement: Attic Ventilation and Insulation - Station 5      Priority 3 of 6      2015

Description: The roof shingles need to be replaced. Nails are protruding from the shingles. The ridge cap in some places is missing. The attic above the ductwork needs to have insulation added. Ventilation also needs to be added in the primary attic.

Justification There is a severe deterioration of shingles which are breaking. This causes a potential risk of water infiltrating into the attic. Wind and rain storms have potential of ripping off shingles and pushing water into cracks. There is energy wasted by not having insulation above the ductwork. The heat that escapes the top of the duct is essentially heating the outside cold air. Condensation is probable if insulation is added without installing ventilation.

Scheduling and Project Status The original contractor has been notified of latent defects. The process for resolution is ongoing. Progress is slow and may require the City of Bismarck to initiate repair directly.

Annual Impact on Income and Operating Costs Operating costs will increase if not repaired due to potential exposure of the insulation to water.

Project Costs:	2016	2017	2018	2019	2020	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:	2016	2017	2018	2019	2020	Total
<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

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: Fire      Project Title: Station #1 Boiler      Priority 4 of 6      1st Year: 2015

Description: The boiler at Fire Station #1 is in need of a replacement due to age and difficulty to repair.

Justification The boiler has potential for system failure during high demand seasons. It has reached its life expectancy and is now difficult to maintain.

Scheduling and Project Status RFQ for Engineering services fourth quarter 2016; design first quarter 2017. Bidding early second quarter 2017, installation third quarter 2017 with Substantial Completion by October 15, 2017, prior to primary heating season.

Annual Impact on Income and Operating Costs The annual operating costs should decrease as it will be replaced with a newer and more energy efficient boiler.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction		\$150,000				\$150,000
Other (specify)						
<b>Total</b>		<b>\$150,000</b>				<b>\$150,000</b>

Project Funding:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction		\$150,000				\$150,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$150,000</b>				<b>\$150,000</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 355-1743

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: Fire | Project Title: SCBA Packs and Face Pieces | Priority 5 of 6 | 2018

Description: Replacement of 86 Self Contained Breathing Apparatus (SCBA) and approximately 100 face pieces for each firefighter with spares. The current SCBA are made by MSA. The intent is to replace these with new MSA packs to allow the department to continue using the inventory of MSA air tanks that are currently being used.  
 \* See Attachment

Justification The current SCBA packs will be 15 years old. Several changes have recently been made to the standards for SCBA. Also, the reliability of the current air packs needs to be maintained at a high level and recent years indicate a rise in needed repairs, parts and time that a pack is out of service.

Scheduling and Project Status 2016 will be used to research options on face pieces and other compatibility issues. 2017 to make final determination and to develop specifications for replacements.

Annual Impact on Income and Operating Costs Decrease out of service time and repair costs.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)			\$387,000			\$387,000
<b>Total</b>			<b>\$387,000</b>			<b>\$387,000</b>

Project Funding:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)			\$387,000			\$387,000
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$387,000</b>			<b>\$387,000</b>

PREPARER J Boesflug | PREPARER'S PHONE NUMBER 1423

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Fire | Project Title: Station #1 Air Refill Compressor | Priority 6 of 6 | 1st Year: 2015

Description: The Air Refill Compressor is aging. Potential exists for failure. Were that to happen only one refill would exist for all of the City Fire Stations. For north stations the distance and time needed to accomplish refill would be greatly extended.

Justification: Assuring operation of the unit provides security that safety related tasks can be accomplished in a timely manner. Also provides back-up should anything happen to other compressor at Station 2.

Scheduling and Project Status: RFQ for Engineering services fourth quarter 2017; design first quarter 2018. Bidding early first quarter 2018, installation second quarter 2018 with Substantial Completion by July 15, 2018.

Annual Impact on Income and Operating Costs: It will reduce maintenance costs which will increase as the existing unit becomes more difficult to keep working. It would replace an existing unit.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify) Equipment Installation			\$65,000			\$65,000
<b>Total</b>			<b>\$65,000</b>			<b>\$65,000</b>

Project Funding:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction			\$65,000			\$65,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$65,000</b>			<b>\$65,000</b>

PREPARER: LaVonne Wohl | PREPARER'S PHONE NUMBER: 355-1743

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
LIBRARY

Requested Project	Rank	Cost to be Funded	Funding Source	Projected Costs Per Year					
				%	2016	2017	2018	2019	2020
Library Main Stack Lighting Update	1	77,000	Building Construction	100	77,000	-	-	-	-
Library Roof and Clerestory Windows	2	847,000	Building Construction	100	847,000	-	-	-	-
Library HVAC Upgrade	3	810,000	Other	8	60,000	750,000	-	-	-
Library EIFS Repair/Replace	4	170,000	Building Construction	92	-	-	-	-	-
<b>TOTAL</b>		<b>1,904,000</b>			<b>984,000</b>	<b>750,000</b>	<b>-</b>	<b>-</b>	<b>170,000</b>
<b>NON-CITY FUNDING</b>		<b>-</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>1,904,000</b>			<b>984,000</b>	<b>750,000</b>	<b>-</b>	<b>-</b>	<b>170,000</b>

Requested but not Approved by the Commission

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Library	Project Title: Library Main Stack Lighting Update	Priority	1 of 4	1st Year: 2014		
Description: The lighting in the main stack still needs to be upgraded from T12 to T5 or LED lamps. T12 luminaires are obsolete and can no longer be bought to replace existing ones.						
Justification Eventually there will be no working light fixtures in the main stack since the current bulbs cannot be replaced. New light fixtures are necessary.						
Scheduling and Project Status Engineering was accomplished in 2013; update review in first quarter 2016. Bidding in late first quarter 2016. Installation in second quarter 2016.						
Annual Impact on Income and Operating Costs The new light fixtures will be more efficient and reduce annual operating costs. There will also be fewer lamps operating.						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$1,000					\$1,000
Construction	\$76,000					\$76,000
Other (specify)						
<b>Total</b>	<b>\$77,000</b>					<b>\$77,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$77,000					\$77,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$77,000</b>					<b>\$77,000</b>
PREPARER LaVonne Wohl		PREPARER'S PHONE NUMBER 355-1743				

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Library | Project Title: Library Roof and Clerestory Windows | Priority 2 of 4 | 1st Year: 2014

Description: The roof and clerestory windows in the Public Library have been leaking for years. Both the roof and windows are around 30 years old. The water leakage has caused the insulation to lose R-value and possibly mold. Delayed response risks deterioration of the steel structure and roof system.

Justification The roof and windows have maxed out their life expectancy. They have been leaking in areas that contain books and equipment. It has caused a loss in insulation value.

Scheduling and Project Status RFQ for Architect Services fourth quarter of 2015, design first quarter 2016 (unless determined to do in-house). Bidding early second quarter 2016; construction beginning late second quarter 2016 with Substantial completion by November 1, 2016.

Annual Impact on Income and Operating Costs Operating costs should decrease after the roof stops leaking and wet insulation is replaced with dry, reducing energy loss.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$57,000					\$57,000
Construction	\$790,000					\$790,000
Other (specify)						
<b>Total</b>	<b>\$847,000</b>					<b>\$847,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$847,000					\$847,000
Sales Tax Fund						
Special Assessments Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$847,000</b>					<b>\$847,000</b>

PREPARER LaVonne Wohl

PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Library	Project Title: Library HVAC Upgrade			Priority 3 of 4	1st Year: 2014	
Description: Most of the HVAC equipment is outdated and not efficient or on the verge of failure. The upgrade would replace key equipment and switch out valves and pumps for more efficient ones. The system would also be upgraded to digital controls.						
Justification Improperly or inefficiently working HVAC equipment creates higher annual operating expenses and uncomfortable working conditions.						
Scheduling and Project Status RFQ for Engineering Services first quarter 2016 to allow observation and consulting during roof replacement project to identify insulation challenges and impacts on HVAC system demands. Engineering design to begin second quarter of 2016 and finish in time for bidding in fourth quarter 2016, construction beginning in first quarter 2017 and finishing by end of second quarter 2017.						
Annual Impact on Income and Operating Costs Recurring reduction in annual operating costs would occur from the upgrades.						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$60,000					\$60,000
Construction		\$750,000				\$750,000
Other (specify)						
<b>Total</b>	<b>\$60,000</b>	<b>\$750,000</b>				<b>\$810,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction		\$750,000				\$750,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify) Library funds	\$60,000					\$60,000
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$60,000</b>	<b>\$750,000</b>				<b>\$810,000</b>

PREPARER LaVonne Wohl  
 PREPARER'S PHONE NUMBER 355-1743

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Library	Project Title: EIFS Repair/Replace			Priority	4 of 4	1st Year: 2015
Description: Repair or replace EIFS wall finish system at the Library						
Justification: The deterioration of the EIFS is deepening and expanding. It will get worse over time and damage the wall system.						
Scheduling and Project Status: RFQ in fourth quarter of 2019. Design first quarter 2020, bidding beginning of second quarter. Construction beginning at end of second quarter with Substantial Completion by October 1, 2020.						
Annual Impact on Income and Operating Costs: Operating costs should decrease slightly due to complete and intact wall system and insulation. Overhauled. Energy costs should decrease as well as maintenance costs for dealing with problematic finish.						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural					\$17,000	\$17,000
Construction					\$153,000	\$153,000
Other (Equipment Maintenance/Mechanic)						
<b>Total</b>					<b>\$170,000</b>	<b>\$170,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction					\$170,000	\$170,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>					<b>\$170,000</b>	<b>\$170,000</b>
PREPARER: LaVonne Wohl						
PREPARER'S PHONE NUMBER: 355-1743						

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**POLICE**

Requested Project	Rank	Cost to be Funded	Funding Source	Projected Costs Per Year					
				%	2016	2017	2018	2019	2020
Police Expansion and Renovation	1	10,442,000	Building Construction	100	2,542,000	-	7,900,000	-	-
Police Department Storage	2	195,000	Building Construction	100	195,000	-	-	-	-
<b>TOTAL</b>		10,637,000			2,737,000	-	7,900,000	-	-
<b>NON-CITY FUNDING</b>		-			-	-	-	-	-
<b>TOTAL CITY FUNDING</b>		10,637,000			2,737,000	-	7,900,000	-	-

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Police Department | Project Title: Police Expansion and Renovation | Priority: 1 | 2 | 1st Year: 2015

Description: The Police Department has grown and needs new office space, squad and tactical vehicle storage, and conditioned evidence space. This project is part of a two phase implementation, with evidence storage, relocated central storage and renovated office space where storage was taking place. This project would be followed by one that provides squad and tactical vehicle storage.

Justification Growing staff needs and workload has increased the amount of general storage, evidence storage and office space demands. This project addresses those needs as identified in the Space Needs Study done in 2014.

Scheduling and Project Status RFQ for Architectural/Engineering Services in fourth quarter 2015. Design begins in first quarter 2016 and prepares for bidding by third quarter 2016. Construction begins fourth quarter 2016 and completes in phases by first quarter 2018, Substantial Completion by April 1, 2018. 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. Staff time will be saved by allowing more storage on site and less at remote location. Integrity of evidence preserved will save on litigation time. Protection of vehicles and staff will prevent loss of both.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design	\$17,000		\$80,000			\$97,000
Engineering/Architectural	\$150,000		\$500,000			\$650,000
Construction	\$1,900,000		\$5,900,000			\$7,800,000
Furnishings and/or Equipment	\$275,000		\$250,000			\$525,000
Other (Contingency)	\$200,000		\$1,170,000			\$1,370,000
<b>Total</b>	<b>\$2,542,000</b>		<b>\$7,900,000</b>			<b>\$10,442,000</b>

Project Funding:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$2,542,000		\$7,900,000			\$10,442,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$2,542,000</b>		<b>\$7,900,000</b>			<b>\$10,442,000</b>

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

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: Police Department | Project Title: Police Department Storage | Priority 2 of 2 | 1st Year: 2015  
 Description: Inadequate space exists for large object evidence storage. The Police Department currently stores evidence next to their general storage items. It is all stored together in an unconditioned space.

**Justification** Mixing of general storage and evidence storage risks contamination of the evidence. Additional space also is required to accommodate the growth in volume of evidence being stored and the extended time for it to be saved.

**Scheduling and Project Status** RFQ for A/E services fourth quarter of 2015, design first quarter of 2016 (unless done in-house). Bidding projected for end of first quarter 2016 and Construction beginning second quarter of 2016, with Substantial completion December 1, 2016.

**Annual Impact on Income and Operating Costs** Limited costs for maintenance as contents are fairly static. Separation will reduce moving of contents. Will reduce staff time searching for evidence through general storage.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$10,000					\$10,000
Construction	\$185,000					\$185,000
Furnishings and/or Equipment						
Other (specify)						
<b>Total</b>	<b>\$195,000</b>					<b>\$195,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$195,000					\$195,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$195,000</b>					<b>\$195,000</b>

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

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
PUBLIC HEALTH

Requested Project	Rank	Cost to be Funded	Funding Source	Projected Costs Per Year					
				%	2016	2017	2018	2019	2020
Replace Public Health Cooling Tower	1	125,000	Building Construction	100	-	125,000	-	-	-
Public Health Relocation	2	3,500,000	Building Construction	100	-	-	205,000	3,295,000	-
<b>TOTAL</b>		<b>3,625,000</b>				<b>125,000</b>	<b>205,000</b>	<b>3,295,000</b>	<b>-</b>
<b>NON-CITY FUNDING</b>		<b>-</b>				<b>125,000</b>	<b>205,000</b>	<b>3,295,000</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>3,625,000</b>				<b>125,000</b>	<b>205,000</b>	<b>3,295,000</b>	<b>-</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Public Health	Project Title: Replace Public Health Cooling Tower		Priority	1	of	2	1st Year: 2014
Description: Remove existing cooling tower and replace with new tower. Existing tower is aged and should be scheduled for replacement before failure.							
<p>Justification The cooling tower is an essential part of the cooling system in the facility. Failure of the tower means no air conditioning.</p> <p>Scheduling and Project Status RFQ fourth quarter 2016; Engineering and bidding first quarter 2017. Construction beginning in second quarter 2017 through October 1, 2017 Substantial Completion in time for testing, balancing and spring 2018 cooling season.</p> <p>Annual Impact on Income and Operating Costs New cooling towers run more efficiently so would use less energy, saving money in the future.</p>							
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>	
Planning & Preliminary Design							
Engineering/Architectural		\$12,500					\$12,500
Construction		\$112,500					\$112,500
Furnishings and/or Equipment							
Other (specify)							
<b>Total</b>		<b>\$125,000</b>					<b>\$125,000</b>
<b>Project Funding:</b>							
<b>City</b>							
Enterprise Construction Reserves							
Motel/Liquor/Restaurant							
Building Construction		\$125,000					\$125,000
Sales Tax Fund							
Special Assessment Bonds							
Other (specify)							
<b>Non-City</b>							
Private/Donations							
Federal Grant							
State Grant							
<b>Total</b>		<b>\$125,000</b>					<b>\$125,000</b>
PREPARER LaVonne Wohl			PREPARER'S PHONE NUMBER 355-1743				

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: Public Health	Project Title: Public Health Relocation	Priority	2	of	21st Year: 2015	
Description: The Public Health Building meets the needs for the Department now and in the future, with some limited renovation needed. If this site is identified as a future parking ramp site, then a relocation project would be needed for Public Health. The Space Needs Study for the department identified a downtown site that would work. The cost of this is less than a new building constructed on a new site. The costs and timing identified use the relocation option as a starting point. If that site is no longer available when the need arises, that would require an adjustment in options or adjusting to a new site.						
Justification This project would be needed if the current site is determined to be the best site and needed site for a Parking Ramp, as proposed in the Downtown Master Plan. The existing facility works for this department with some minor adjustments. This would be a priority driven by outside forces.						
Scheduling and Project Status RFQ for Architectural/Engineering Services in fourth quarter 2017. Design begins in first quarter 2016 and prepares for bidding by third quarter 2016. Construction begins fourth quarter 2016 and completes in phases by first quarter 2018, Substantial Completion by April 1, 2018. 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 Option B would be leased space. Maintenance would be part of lease payment. Option C would use same staff as current, maybe less without tenant space currently maintained. Size of facility would be less; tenant income would also do away.						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design			\$30,000			\$30,000
Engineering/Architectural Construction			\$175,000			\$175,000
Furnishings and/or Equipment				\$2,750,000		\$2,750,000
Other (Soil Tests, Contingency)				\$545,000		\$545,000
<b>Total</b>			<b>\$205,000</b>	<b>\$3,295,000</b>		<b>\$3,500,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction			\$205,000	\$3,295,000		\$3,500,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$205,000</b>	<b>\$3,295,000</b>		<b>\$3,500,000</b>
PREPARER LaVonne Wohl						
PREPARER'S PHONE NUMBER 355-1743						

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**PUBLIC WORKS-BUILDING MAINTENANCE**

Requested Project	Rank	Cost to be Funded	Funding Source		2016	Projected Costs Per Year				
			Bldg Construction	%		2017	2018	2019	2020	
Building Management System	1	85,000	Bldg Construction	100	85,000	-	-	-	-	-
Administration Building	2	22,988,000	Bldg Construction	100	-	-	368,000	7,270,000	7,270,000	15,350,000
<b>TOTAL</b>		<b>23,073,000</b>			<b>85,000</b>	<b>-</b>	<b>368,000</b>	<b>7,270,000</b>	<b>7,270,000</b>	<b>15,350,000</b>
<b>NON-CITY FUNDING</b>		<b>-</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>23,073,000</b>			<b>85,000</b>	<b>-</b>	<b>368,000</b>	<b>7,270,000</b>	<b>7,270,000</b>	<b>15,350,000</b>

Requested but not Approved by the Commission

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: All	Project Title: Building Management System	Priority	1 of 2	1st Year: 2015		
Description: Building Management Integration Software is a tool that is used to integrate various operation systems into one system that is accessible remotely from the physical building. That will allow greater monitoring capabilities of HVAC systems, integration of building security locks and cameras, energy management of HVAC and lighting systems, and other possibilities not yet fully used in the future.						
Justification Upgrades capabilities and allows for staff to get more information on systems without physical presence at the facility. Combining multiple facilities into one system allows efficiency of software investment and backup capability for staff. Reduction in energy use becomes significant by providing greater control of systems tied to actual use of facility.						
Scheduling and Project Status RFP for Engineering support services in fourth quarter 2015. Design first quarter 2016. RFP for systems in second quarter 2016. Implementation by third quarter 2016 to allow testing and training prior to primary heating season of 2016.						
Annual Impact on Income and Operating Costs Energy savings, staff efficiency savings, reduction in overtime, improved security, safety and protection.						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$85,000					\$85,000
Furnishings and/or Equipment						
Other (specify)						
<b>Total</b>	<b>\$85,000</b>					<b>\$85,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction	\$85,000					\$85,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$85,000</b>					<b>\$85,000</b>
PREPARER LaVonne Wohl					PREPARER'S PHONE NUMBER 355-1743	

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Multiple Administrative Project Title: Administration Building Priority 2 of 2 1st Year: 2015

Description: The existing City/County building does not meet the growing needs of the departments housed within it. Needs include more space for staff, for large meetings, training, multi-purpose rooms and staff collaboration. The existing structure contributes to inefficient use of existing space with few options for improvement. The building is currently filled to capacity and a bit beyond. A Space Needs Study was completed in 2014 with multiple options provided for resolving the problems and providing growth. Decisions about which option to pursue need to be made, but for now, this provides a guideline that creates a starting point for discussion. This projection for costs uses Option B as a guideline as it is about in the middle of the projected costs. Once more is known about direction, this can be modified to fit closer in the future.

Justification Current infrastructure limits future service levels because of how the circulation spaces are laid out. More and improved meeting rooms, on-site parking and additional staff space are all needs that cannot be met in the existing facility without major changes.

Scheduling and Project Status RFQ for Architectural/Engineering Services in fourth quarter 2015. Design begins in first quarter 2016 and prepares for bidding by third quarter 2016. Construction begins fourth quarter 2016 & completes in phases by first quarter 2018, Substantial Completion by April 1, 2018. 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 Cost for maintenance and repair would be similar, but would depend on which option in detail. Space would be greater but would be offset by more durable, maintenance free materials and systems. Each option would be slightly different; would not change staffing requirements for Building Maintenance whichever option is selected.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design			\$55,000	\$120,000		\$175,000
Engineering/Architectural			\$310,000	\$675,000		\$985,000
Construction				\$4,750,000	\$11,350,000	\$16,100,000
Furnishings and/or Equipment				\$1,250,000	\$2,750,000	\$4,000,000
Other (Soil Tests, Contingency)			\$3,000	\$475,000	\$1,250,000	\$1,728,000
<b>Total</b>			<b>\$368,000</b>	<b>\$7,270,000</b>	<b>\$15,350,000</b>	<b>\$22,988,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction			\$368,000	\$7,270,000	\$15,350,000	\$22,988,000
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$368,000</b>	<b>\$7,270,000</b>	<b>\$15,350,000</b>	<b>\$22,988,000</b>

PREPARER LaVonne Wohl

PREPARER'S PHONE NUMBER 355-1743

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**SOLID WASTE**

Requested Project	Rank	Cost to be Funded	Funding		2016	Projected Costs Per Year			
			Source	%		2017	2018	2019	2020
MSW Subtittle D Cell Closure	1	150,000	Solid Waste Fd	100	150,000	-	-	-	-
Construct Phase II of Waste Cell #3	2	1,300,000	Solid Waste Fd	100	1,300,000	-	-	-	-
Inert Waste Pit Closure	3	136,850	Solid Waste Fd	100	136,850	-	-	-	-
Repair Concrete & Masonry Landfill	4	51,000	Solid Waste Fd	100	51,000	-	-	-	-
County Shop Purchase	5	-	TBD	100	-	TBD	-	-	-
<b>TOTAL</b>		<b>1,637,850</b>			<b>1,637,850</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>NON-CITY FUNDING</b>		<b>-</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>1,637,850</b>			<b>1,637,850</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Solid Waste Disposal | Project Title: MSW Subtitle D Cell Closure | Priority 1 of 5 | 1st Year: 2009

Description: Closure of 1/3 of the MSW subtitle D cell.

Justification: Solid waste volumes will reach the designed peak elevation in the cell which will require capping and closure of this west portion of the site.

Scheduling and Project Status: Engineering work to be done in fall of 2015 with partial closure of the west end of the cell in future years. Due to the allowance for increased slopes, additional MSW will be able to be added to the cell before closure is necessary. This will extend the closer into future years based on volume.

Annual Impact on Income and Operating Costs: Temporary impact on cash reserve balance, offset by subsequent years tipping fee revenue. Sufficient cash reserve amount on hand to meet all costs of the project.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$150,000					\$150,000
Other (specify)						
<b>Total</b>	<b>\$150,000</b>					<b>\$150,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves	\$150,000					\$150,000
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>\$150,000</b>					<b>\$150,000</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Solid Waste Disposal | Project Title: Construct Phase II of Municipal Solid Waste Cell #3 | Priority 2 of 5 | 1st Year: 2014  
 Description: Design and construct the second phase of MSW Cell 3 at the landfill.

**Justification** Existing MSW cell #3 was constructed in the fall of 2013 and is half of the total size permitted. This second half will need to be constructed to allow for an even distribution of waste into cell #3.

**Scheduling and Project Status** Fourth quarter 2015 design and submit to State Health Dept for approval. Start construction in spring of 2016 with construction completed in fall of 2016.

**Annual Impact on Income and Operating Costs** Reduction of cash reserve from Solid Waste Disposal Utility.

<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$1,300,000					\$1,300,000
Other (specify)						
<b>Total</b>	<b>\$1,300,000</b>					<b>\$1,300,000</b>

**Project Funding:**

<b>City</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Enterprise Construction Reserves	\$1,300,000					\$1,300,000
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>\$1,300,000</b>					<b>\$1,300,000</b>

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

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Solid Waste Disposal | Project Title: Inert Waste Pit Closure

Priority 3 of 5 | 1st Year: 2013

Description: Closure of inert waste cell.

Justification: Inert waste volumes will reach the designed peak elevation in the cell which will require capping and closure of this site.

Scheduling and Project Status: Engineering work to be done in fall of 2015 with closure of the cell in 2016.

Annual Impact on Income and Operating Costs: An annual cost of \$44,716 to the utility starting in 2013. This will be used to build the funds for the closure in 2015.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$136,850					\$136,850
Other (specify)						
<b>Total</b>	<b>\$136,850</b>					<b>\$136,850</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves	\$136,850					\$136,850
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>\$136,850</b>					<b>\$136,850</b>

PREPARER : Jeff Heintz

PREPARER'S PHONE NUMBER x-1705

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Landfill | Project Title: Repair Concrete and Masonry Landfill Main Building | Priority 4 of 5 | 1st Year: 2012

Description: Existing concrete floor slab and masonry have cracks from displacement. Cause of that displacement is not immediately evident. Correction will require some investigation with a structural engineer and may include some testing and partial demolition to identify issues. 2015 Funding of \$7000 for engineering and design has already been funded.

Justification Major cracking indicates substrate problems that may be across the entire floor and masonry wall systems. Failure to correct will make use of the facility increasingly problematic and will introduce some safety issues with tripping hazards. Continued displacement will make operation of doors problematic and may put stress on interior glass systems.

Scheduling and Project Status Engineering and design third quarter 2015; Bid first quarter 2016; Construction start second quarter of 2016 quarter 2017; complete by end of third quarter 2017.

Annual Impact on Income and Operating Costs Further deterioration risks the integrity of the building. Investment will extend the life of the facility.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$1,000					\$1,000
Construction	\$50,000					\$50,000
Other (specify)						
<b>Total</b>	<b>\$51,000</b>					<b>\$51,000</b>

Project Funding:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves	\$51,000					\$51,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (Land Collections Bldg Mtce)						

<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$51,000</b>					<b>\$51,000</b>

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

# City of Bismarck Capital Improvement Project 2016 - 2020

Department: Solid Waste | Project Title: County Shop Purchase | Priority 5 of 5 | 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 2016/2017 with move in once Burleigh County Sheriff moves to new jail.

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

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)		TBD				
Total						

Project Funding:	2016	2017	2018	2019	2020	Total
City						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant		TBD				
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						

Non-City	2016	2017	2018	2019	2020	Total
Private/Donations						
Federal Grant						
State Grant						
Total						

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

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)  
STREET LIGHTS & TRAFFIC SIGNALS UTILITY**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year					
			Source	%	2016	2017	2018	2019	2020	
Traffic Signal Replacement Program - N Griffin and E Ave C	1	811,304	StreetLight	Utility Fd	100	155,112	150,000	159,000	168,540	178,652
Whiteway Conductor Replacement	2	670,981	StreetLight	Utility Fd	100	115,050	169,177	134,166	120,588	132,000
Whiteway Feed Point Replacement	3	449,388	StreetLight	Utility Fd	100	79,720	84,503	89,573	94,948	100,644
Street Light LED Relamping Program - Bismarck Expressway to Yegan Road	4	383,535	StreetLight	Utility Fd	100	81,250	73,593	50,000	75,036	103,656
Study Feasibility of Installing Fiber Backb	5	75,000	StreetLight	Utility Fd	100	75,000	-	-	-	-
Video Camera Replacement Program	6	250,000	StreetLight	Utility Fd	100	50,000	50,000	50,000	50,000	50,000
<b>TOTAL</b>		<b>2,640,208</b>				<b>556,132</b>	<b>527,273</b>	<b>482,739</b>	<b>509,112</b>	<b>564,952</b>
<b>NON-CITY FUNDING</b>		<b>-</b>				<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>2,640,208</b>				<b>556,132</b>	<b>527,273</b>	<b>482,739</b>	<b>509,112</b>	<b>564,952</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: St Lights/Traffic Signal	Project Title: Traffic Signal Replacement Program	Priority	1 of 6	1st Year: 2016		
Description: The 2016 project will replace the traffic signals at the intersection of N Griffin and E Ave C. This is due to the deteriorating poles and to include emergency vehicle preemption detection. It will also improve the pedestrian push buttons at this unusual five leg intersection. Future projects will be 2017 - 3rd Street and Ave C, 2018 - 7th street and Ave C, 2019 - 9th street and Ave C, 2020 - 7th Street South and E Front Ave, 2021 - 9th Street South and E Front Ave.						
Justification pedestrian push button and pedestrian crossing location.						
Scheduling and Project Status      Install in summer of project year.						
Annual Impact on Income and Operating Costs      Reduction of cash reserve funds.						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design	\$12,926	\$15,000	\$15,900	\$16,854	\$17,865	\$78,545
Engineering/Architectural Construction	\$142,186	\$135,000	\$143,100	\$151,686	\$160,787	\$732,759
Other (specify)						
<b>Total</b>	<b>\$155,112</b>	<b>\$150,000</b>	<b>\$159,000</b>	<b>\$168,540</b>	<b>\$178,652</b>	<b>\$811,304</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other-St Light/Traffic Utility fees	\$155,112	\$150,000	\$159,000	\$168,540	\$178,652	\$811,304
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$155,112</b>	<b>\$150,000</b>	<b>\$159,000</b>	<b>\$168,540</b>	<b>\$178,652</b>	<b>\$811,304</b>



## City of Bismarck Capital Improvement Project 2016 - 2020

Department: St Lights/Traffic Signal | Project Title: Whiteway Feed Point Replacement | Priority 3 of 6 | 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

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$7,972	\$8,450	\$8,957	\$9,494	\$10,064	\$44,938
Construction	\$71,748	\$76,053	\$80,616	\$85,453	\$90,580	\$404,451
Other (specify)						
<b>Total</b>	<b>\$79,720</b>	<b>\$84,503</b>	<b>\$89,573</b>	<b>\$94,948</b>	<b>\$100,644</b>	<b>\$449,388</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other-St Light/Traffic Utility fees	\$79,720	\$84,503	\$89,573	\$94,948	\$100,644	\$449,388

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$79,720</b>	<b>\$84,503</b>	<b>\$89,573</b>	<b>\$94,948</b>	<b>\$100,644</b>	<b>\$449,388</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: St lights/Traffic Signal	Project Title: Street Light LED Relamping Program	Priority	4 of	6	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: 2016 - Bismarck Expressway from Missouri River bridge to Yegan Rd, 2017 - Main Ave from Memorial Bridge to Washington, and from 7th Street to east of 26th Street, 2018 - Airport Road from Main Ave to University Drive, 2019 - One-way pair 7th and 9th Street, from Boulevard to Expressway 2020 - Expressway from Main to I-94.					
Annual Impact on Income and Operating Costs: Expense absorbed in utility fee increase.					
<b>Project Costs:</b>					
Planning & Preliminary Design					Total
Engineering/Architectural					
Construction					
Other (specify)	\$81,250	\$73,593	\$50,000	\$75,036	\$383,535
<b>Total</b>	<b>\$81,250</b>	<b>\$73,593</b>	<b>\$50,000</b>	<b>\$75,036</b>	<b>\$383,535</b>
<b>Project Funding:</b>					
<b>City</b>					
Enterprise Construction Reserves					
Motel/Liquor/Restaurant					
Building Construction					
Sales Tax Fund					
Special Assessment Bonds					
Other-Street Light/Traffic Utility Fees	\$81,250	\$73,593	\$50,000	\$75,036	\$383,535
<b>Non-City</b>					
Private/Donations					
Federal Grant					
State Grant					
<b>Total</b>	<b>\$81,250</b>	<b>\$73,593</b>	<b>\$50,000</b>	<b>\$75,036</b>	<b>\$383,535</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: St Lights/Traffic Signal	Project Title: Study Feasibility of Installing Fiber Backbone for Traffic Signals	Priority	5 of 6	1st Year: 2014		
Description: Presently we communicate between traffic signal cabinets using telephone lines and fiber in old areas of town. The telephone lines have a monthly fee and are old technology. Connecting our signal cabinets together with a fiber backbone would eliminate the expensive monthly charges from the phone company and provide us an upgraded communications network. An engineer who understands the intricacies of fiber optics would help us to research a public/private partnership and determine if this is the direction to move forward with our system. Many other city's across ND have connectivity with their Traffic Signals and find that it is a benefit to the citizens to coordinate the signals and be able to address concerns with signals from one location.						
Justification Research the expense and hurdles of a public/private fiber optic network. Presently we have reoccurring monthly charges for dedicated telephone lines.						
Scheduling and Project Status Hire an engineering consultant to study the feasibility of a public/private partnership fiber optic trunk line in the first quarter of 2016. Receive recommendation by June for possible inclusion in the 2016-2020 budget based on findings.						
Annual Impact on Income and Operating Costs This would impact the cash reserve of the utility. This fund has been improving over the past seven years to allow for this type of analysis. If the analysis proves that this would be cost effective, future annual costs would include the installation of the 10,500 ft of inter-duct fiber optic between Main and Boulevard, annual upgrades of traffic signal cabinets and controllers.						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$75,000					\$75,000
Construction						
Other (specify)						
<b>Total</b>	<b>\$75,000</b>					<b>\$75,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other-St Light/Traffic Utility fees	\$75,000					\$75,000
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$75,000</b>					<b>\$75,000</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: St lights/Traffic Signal	Project Title: Video Camera Replacement Program	Priority 6 of 6	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 to 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 special 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 season. 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						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
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>
<b>Project Funding:</b>						
<b>City</b>						
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
<b>Non-City</b>						
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 (2016-2020)**  
**ROADS & STREETS**

Requested Project	Rank	Location	Cost to be Funded	Funding Source	Projected Costs Per Year					
					%	2016	2017	2018	2019	2020
*Purchase Land for Future Satelite	1		TBD		100	TBD	-	-	-	-
TOTAL			-			-	-	-	-	-
NON-CITY FUNDING			-			-	-	-	-	-
TOTAL CITY FUNDING			-			-	-	-	-	-

\* To Be Determined

## City of Bismarck Capital Improvement Project 2016 - 2020

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.						
<p>PD has also expressed an interest in a 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.</p>						
<p>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.</p>						
Scheduling and Project Status Purchase land in 2016.						
Annual Impact on Income and Operating Costs Reduction of Roads and Streets cash reserve.						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction						
Other (specify)	TBD					
Total						
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant	TBD					
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
Total	TBD					

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
STREETS AND HIGHWAYS

Requested Project	Rank	Cost to be Funded	Funding Source	%	Projected Costs Per Year				
					2016	2017	2018	2019	2020
ADA Curb Ramp Program	1	250,000	Federal Grant	100	50,000	50,000	50,000	50,000	50,000
Special Roads Project	2	750,000	Sales Tax Fd	100	150,000	150,000	150,000	150,000	150,000
City Wide Traffic Signals	3	2,300,000	Sales Tax Fd	100	460,000	460,000	460,000	460,000	460,000
Streets & Highway Safety Improvement Projects	4	750,000	Sales Tax Fd	100	150,000	150,000	150,000	150,000	150,000
Concrete Pavement Repairs & Maintenance	5	6,380,000	Sales Tax Fd	25	426,000	275,000	343,000	275,000	275,000
			Special Asmt Bd	75	1,279,000	825,000	1,032,000	825,000	825,000
Hard Surfaced Street Reconstruction Program	6	11,770,000	Sales Tax Fd	55	2,117,500	2,541,000	605,000	605,000	605,000
			Special Asmt Bd	45	1,732,500	2,079,000	495,000	495,000	495,000
Street Reconstruction and Subbase Drainage System	7	14,960,000	Sales Tax Fd	75	4,207,500	3,300,000	1,320,000	1,237,500	1,155,000
			Special Asmt Bd	25	1,402,500	1,100,000	440,000	412,500	385,000
Asphalt Street Resurfacing Program	8	55,810,000	Sales Tax Fd	20	1,130,000	1,407,500	2,945,000	2,762,500	3,152,500
			Special Asmt Bd	75	4,785,000	5,692,500	10,395,000	9,847,500	11,137,500
			Spec Deficiency	5	465,000	490,000	520,000	520,000	560,000
Rural Road Upgrades	9	9,553,000	Sales Tax Fd	82	1,500,000	1,500,000	1,500,000	1,633,000	1,720,000
			Special Asmt Bd	18	330,000	330,000	330,000	350,000	360,000
Quiet Rail Zone	10	2,872,000	Other	100	2,872,000	-	-	-	-
Century Ave Bridge at Hay Creek	11	2,000,000	Sales Tax Fd	100	-	2,000,000	-	-	-
N Washington St - Calgary Ave to 57th Ave	12	1,000,000	Sales Tax Fd	100	1,000,000	-	-	-	-
Divide Ave - Expressway to 52nd St	13	12,000,000	Sales Tax Fd	33	-	500,000	500,000	3,000,000	-
			Federal Grant	67	-	-	-	8,000,000	-
Century Ave - Centennial Rd to 66th St	14	9,800,000	Sales Tax Fd	43	-	1,850,000	350,000	2,000,000	-
			Federal Grant	57	-	-	-	5,600,000	-
South Washington Street	15	7,200,000	Sales Tax Fd	33	-	300,000	300,000	1,800,000	-
			Federal Grant	67	-	-	-	4,800,000	-
43rd Ave North-State St to Montreal St	16	4,000,000	Sales Tax Fd	25	700,000	300,000	-	-	-
			Special Asmt Bd	75	-	-	-	-	-
43rd Ave North-State St to 26th St	17	9,500,000	Sales Tax Fd	32	2,500,000	500,000	-	-	-
			Special Asmt Bd	22	-	-	2,100,000	-	-
			Federal Grant	46	-	-	4,400,000	-	-
43rd Ave North-26th St to Centennial Rd	18	3,700,000	Sales Tax Fd	16	300,000	300,000	-	-	-
			Special Asmt Bd	84	-	3,100,000	-	-	-
66th St - 43rd Ave N to Rocky Rd	19	9,500,000	Sales Tax Fd	49	-	200,000	1,700,000	800,000	2,000,000
			Federal Grant	51	-	-	-	-	4,800,000
Chancellor Sq Redesign & Construction	20	10,700,000	Other	100	175,000	175,000	10,350,000	-	-
<b>TOTAL</b>		174,795,000			27,732,000	32,575,000	40,435,000	45,773,000	28,280,000
<b>NON-CITY FUNDING</b>		27,850,000			50,000	50,000	4,450,000	18,450,000	4,850,000
<b>TOTAL CITY FUNDING</b>		146,945,000			27,682,000	32,525,000	35,985,000	27,323,000	23,430,000

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING	Project Title: ADA RAMPS	Priority	1	of	20	1st Year:
Description:						
FUND THE INSTALLATION OF ADA RAMPS 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						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	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>
<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						
Federal Grant	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
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>
PREPARER: MARK A. BERG						
PREPARER'S PHONE NUMBER 355-1529						

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING	Project Title: CITY COMMISSION SPECIAL ROADS PROJECTS	Priority	2 of 20	1st Year:
Description:				
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.				
Justification				
Scheduling and Project Status      Annual submittal				
Annual Impact on Income and Operating Costs				
<b>Project Costs:</b>				
Planning & Preliminary Design				Total
Engineering/Architectural Construction	\$150,000	\$150,000	\$150,000	\$750,000
Other (specify)				
<b>Total</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$750,000</b>
<b>Project Funding:</b>				
<b>City</b>				
Enterprise Construction Reserves				
Motel/Liquor/Restaurant				
Building Construction				
Sales Tax Fund	\$150,000	\$150,000	\$150,000	\$750,000
Special Assessment Bonds				
Other (specify)				
<b>Non-City</b>				
Private/Donations				
Federal Grant				
State Grant				
<b>Total</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$750,000</b>
PREPARER MARK A. BERG				PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING      Project Title: CITY WIDE TRAFFIC SIGNALS      Priority 3 of 20      1st Year:

Description: TRAFFIC SIGNAL MODIFICATIONS, EQUIPMENT UPGRADING AND INSTALLATION AT VARIOUS LOCATIONS AS NEEDED.

Justification TO PROVIDE TRAFFIC CONTROL EQUIPMENT MEETING THE STANDARDS OF THE MUTCD, IMPROVE TRAFFIC OPERATIONS, REDUCE CONGESTION AND DELAY, AND IMPROVE SAFETY.

Scheduling and Project Status Annual submittal

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000
Construction	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
Other (specify)						
<b>Total</b>	<b>\$460,000</b>	<b>\$460,000</b>	<b>\$460,000</b>	<b>\$460,000</b>	<b>\$460,000</b>	<b>\$2,300,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$460,000	\$460,000	\$460,000	\$460,000	\$460,000	\$2,300,000
Special Assessment Bonds						
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$460,000</b>	<b>\$460,000</b>	<b>\$460,000</b>	<b>\$460,000</b>	<b>\$460,000</b>	<b>\$2,300,000</b>

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

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING	Project Title: STREETS AND HIGHWAY SAFETY IMPROVEMENT PROJECTS	Priority	4	of	20	1st Year:	
Description: IMPROVEMENTS TO STREETS AND HIGHWAYS AS RECOMMENDED BY SAFETY STUDIES AND/OR IDENTIFIED AS HIGH CRASH LOCATIONS.							
Justification PUBLIC SAFETY AND POTENTIAL FOR LIABILITY.							
Scheduling and Project Status ANNUAL PROGRAM 2014-2018							
Annual Impact on Income and Operating Costs							
<b>Project Costs:</b>		2016	2017	2018	2019	2020	Total
Planning & Preliminary Design							
Engineering/Architectural Construction	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Other (specify)							
<b>Total</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$750,000</b>
<b>Project Funding:</b>							
<b>City</b>							
Enterprise Construction Reserves							
Motel/Liquor/Restaurant							
Building Construction							
Sales Tax Fund	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Special Assessment Bonds							
Other (specify)							
<b>Non-City</b>							
Private/Donations							
Federal Grant							
State Grant							
<b>Total</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$750,000</b>
PREPARER MARK A. BERG	PREPARER'S PHONE NUMBER 355-1529						

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING	Project Title: CONCRETE PAVEMENT REPAIRS AND MAINTENANCE	Priority	5 of 20	1st Year:		
Description:						
<p><b>Special assessments are anticipated to be a contributing part of this project's funding, but the amount is yet to be determined.</b></p> <p>THERE ARE A NUMBER OF CONCRETE ROADWAYS WITHIN THE CITY LIMITS. OVER TIME THESE ROADWAYS REQUIRE INDEPTH MAINTENANCE INCLUDING WIDE SPREAD JOINT SEALING, PANEL REPLACEMENT, SECTIONS OF RECONSTRUCTION, AND CORRECTION OF DRAINAGE ISSUES. THESE CONCRETE ROADWAYS HAVE BEEN IDENTIFIED AS PART OF THE CITY'S PAVEMENT MANAGEMENT PROGRAM. THE COST OF REPAIRING AND MAINTENANCE OF THESE ROADWAYS WOULD TYPICALLY BE ASSESSED TO THE ADJACENT PROPERTY OWNER. THE MAJORITY OF ROADWAYS CONSTRUCTED USING CONCRETE ARE ARTERIAL ROADWAYS. THIS WORK WOULD BE AT A MAGNITUDE THAT EXCEEDS PUBLIC WORK'S ABILITY TO ADDRESS THE MAINTENANCE NEEDS ON AN ANNUAL BASIS. THIS WOULD PROVIDE FUNDING TO REPAIR AND MAINTAIN THESE ROADWAYS.</p> <p>THIS TYPE OF PROJECT WOULD BE DONE OVER A PERIOD OF YEARS . THE PROJECT WOULD COORDINATE WITH OTHER INFRASTRUCTURE PROJECTS. THE ESTIMATED ANNUAL NEED IS APPROXIMATELY \$1.812 MILLION/YEAR FOR FUNDING FROM SALES TAX AND AREA WIDE ASSESSMENT.</p>						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs      PROLONG THE LIFE OF THE PAVEMENT						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design	\$155,000	\$100,000	\$125,000	\$100,000	\$100,000	\$580,000
Engineering/Architectural	\$1,550,000	\$1,000,000	\$1,250,000	\$1,000,000	\$1,000,000	\$5,800,000
Construction						
Other (specify)						
<b>Total</b>	<b>\$1,705,000</b>	<b>\$1,100,000</b>	<b>\$1,375,000</b>	<b>\$1,100,000</b>	<b>\$1,100,000</b>	<b>\$6,380,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$426,000	\$275,000	\$343,000	\$275,000	\$275,000	\$1,594,000
Special Assessment Bonds	\$1,279,000	\$825,000	\$1,032,000	\$825,000	\$825,000	\$4,786,000
Other (specify) Area Wide						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$1,705,000</b>	<b>\$1,100,000</b>	<b>\$1,375,000</b>	<b>\$1,100,000</b>	<b>\$1,100,000</b>	<b>\$6,380,000</b>
PREPARER MARK A. BERG      PREPARER'S PHONE NUMBER 355-1529						

## City of Bismarck Capital Improvement Project 2016-2020

Department: ENGINEERING      Project Title: HARD SURFACED STREET RECONSTRUCTION PROGRAM      Priority 6 of 20      1st Year:

Description:

**Special assessments are anticipated to be a contributing part of this project's funding, but the amount is yet to be determined.**  
 HARD SURFACED STREETS ARE REPLACED (IF NOT PROTESTED OUT). SALES TAX HAS BEEN PAYING 1/2 TO 2/3 THE PAVEMENT COST WITH THE REMAINDER ASSESSED TO THE PROPERTY OWNER. THIS IS A SLOW REPLACEMENT PROCESS THAT REQUIRES THE PUBLIC WORKS DEPT. TO MAINTAIN THESE HARD SURFACED STREETS BY CONTINUOUSLY FILLING POTHOLES. THIS PROJECT WOULD PROVIDE PARTIAL FUNDING TO REDUCE ASSESSMENTS FOR RECONSTRUCTION OF THE HARD SURFACED STREETS.

Justification

Scheduling and Project Status      THE PROJECT WOULD BE DONE OVER A PERIOD OF YEARS. THE PROJECT WOULD CONTINUE TO COORDINATE WITH WATER AND SEWER REPLACEMENT PROJECTS. THE ESTIMATED ANNUAL NEED IS APPROXIMATELY \$1.5 MILLION/YEAR FUNDED FROM SALES TAX.

Annual Impact on Income and Operating Costs      REDUCED MAINTENANCE COST IN ROADS AND STREETS.

	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design						
Engineering/Architectural	\$350,000	\$420,000	\$100,000	\$100,000	\$100,000	\$1,070,000
Construction	\$3,500,000	\$4,200,000	\$1,000,000	\$1,000,000	\$1,000,000	\$10,700,000
Other (specify)						
<b>Total</b>	<b>\$3,850,000</b>	<b>\$4,620,000</b>	<b>\$1,100,000</b>	<b>\$1,100,000</b>	<b>\$1,100,000</b>	<b>\$11,770,000</b>

**Project Funding:**

	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$2,117,500	\$2,541,000	\$605,000	\$605,000	\$605,000	\$6,473,500
Special Assessment Bonds	\$1,732,500	\$2,079,000	\$495,000	\$495,000	\$495,000	\$5,296,500
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$3,850,000</b>	<b>\$4,620,000</b>	<b>\$1,100,000</b>	<b>\$1,100,000</b>	<b>\$1,100,000</b>	<b>\$11,770,000</b>

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

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING	Project Title: STREET RECONSTRUCTION AND SUBBASE DRAINAGE SYSTEM	Priority	7 of 20	1st Year:		
Description:						
<p><b>Special assessments are anticipated to be a contributing part of this project's funding, but the amount is yet to be determined.</b></p> <p>ROUGHLY 1-2% OF ASPHALT ROADWAYS ARE EXPERIENCING PREMATURE FAILURE RESULTING FROM WATER SATURATED BASES PERHAPS DUE TO GROUNDWATER LEVELS. THE COST OF INSTALLING A SUBBASE DRAINAGE SYSTEM WOULD TYPICALLY BE ASSESSED TO THE ADJACENT PROPERTY OWNER. THIS TYPE OF PROJECT IN THE PAST HAS BEEN PROTESTED OUT BY ADJACENT PROPERTY OWNERS BECAUSE OF THE HIGH ASSESSMENT COSTS. WITHOUT A SUBBASE DRAINAGE SYSTEM STREET PAVEMENT FAILURES REQUIRE THE PUBLIC WORKS DEPT. TO CONTINUOUSLY PATCH FAILED AREAS AT TIMES CLOSING STREETS. THIS PROJECT WOULD PROVIDE PARTIAL FUNDING TO INSTALL SUBBASE DRAINAGE SYSTEMS AND TO RECONSTRUCT PAVEMENT.</p>						
<p>Justification</p> <p>THE PROJECT WOULD BE DONE OVER A PERIOD OF YEARS . THE PROJECT WOULD COORDINATE WITH STREET RESURFACING PROJECTS. THE ESTIMATED ANNUAL NEED IS APPROXIMATELY \$1.5 MILLION/YEAR FOR FUNDING FROM SALES TAX AND ASSESSMENTS.</p>						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
REDUCED MAINTENANCE COST IN ROADS AND STREETS.						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$510,000	\$400,000	\$160,000	\$150,000	\$140,000	\$1,360,000
Construction	\$5,100,000	\$4,000,000	\$1,600,000	\$1,500,000	\$1,400,000	\$13,600,000
Other (specify)						
<b>Total</b>	<b>\$5,610,000</b>	<b>\$4,400,000</b>	<b>\$1,760,000</b>	<b>\$1,650,000</b>	<b>\$1,540,000</b>	<b>\$14,960,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$4,207,500	\$3,300,000	\$1,320,000	\$1,237,500	\$1,155,000	\$11,220,000
Special Assessment Bonds	\$1,402,500	\$1,100,000	\$440,000	\$412,500	\$385,000	\$3,740,000
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$5,610,000</b>	<b>\$4,400,000</b>	<b>\$1,760,000</b>	<b>\$1,650,000</b>	<b>\$1,540,000</b>	<b>\$14,960,000</b>
PREPARER MARK A. BERG						
PREPARER'S PHONE NUMBER 355-1529						

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING      Project Title: ASPHALT STREET RESURFACING PROGRAM      Priority 8 of 20 1st Year:

Description:

**Special assessments are anticipated to be a contributing part of this project's funding, but the amount is yet to be determined.**  
 ASPHALT STREETS ARE RESURFACED ABOUT 7-10 YEARS FOR ARTERIAL TO 12-17 YEARS FOR RESIDENTIAL ROADS IN ORDER TO EXTEND THEIR SERVICE LIFE. THIS PROJECT WILL CONSIST OF MORE THAN ROUTINE MAINTENANCE. SALES TAX WILL PROVIDE PARTIAL FUNDING TO DECREASE COST TO PROPERTY OWNERS.

Justification

THE PROJECT WILL BE DONE ANNUALLY AND WILL COORDINATE WITH WATER AND SEWER REPLACEMENT PROJECTS. THE ESTIMATED ANNUAL NEED EXCEEDS \$1.5 MILLION/YEAR FUNDED FROM SALES TAX.

Scheduling and Project Status  
 Annual Impact on Income and Operating Costs      REDUCED MAINTENANCE COST IN ROADS AND STREETS FOR THE ASPHALT PAVEMENTS.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$580,000	\$690,000	\$1,260,000	\$130,000	\$1,350,000	\$4,010,000
Construction	\$5,800,000	\$6,900,000	\$12,600,000	\$13,000,000	\$13,500,000	\$51,800,000
Other (special deficiency)						
<b>Total</b>	<b>\$6,380,000</b>	<b>\$7,590,000</b>	<b>\$13,860,000</b>	<b>\$13,130,000</b>	<b>\$14,850,000</b>	<b>\$55,810,000</b>

Project Funding:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$1,130,000	\$1,407,500	\$2,945,000	\$2,762,500	\$3,152,500	\$11,397,500
Special Assessment Bonds	\$4,785,000	\$5,692,500	\$10,395,000	\$9,847,500	\$11,137,500	\$41,857,500
Other (specify) Special Deficiency	\$465,000	\$490,000	\$520,000	\$520,000	\$560,000	\$2,555,000

Non-City	2016	2017	2018	2019	2020	Total
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$6,380,000</b>	<b>\$7,590,000</b>	<b>\$13,860,000</b>	<b>\$13,130,000</b>	<b>\$14,850,000</b>	<b>\$55,810,000</b>

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

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING      Project Title: RURAL ROADWAY UPGRADES      Priority 9 of 20 1st Year:

Description:

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

THERE ARE A NUMBER OF RURAL ROADWAYS WITHIN THE CITY LIMITS. THESE RURAL ROADWAYS ARE NOW SURROUNDED BY THE CITY BUT NEVER HAVE BEEN UPGRADED TO AN URBAN SECTION. THE COST OF UPGRADING THESE ROADWAYS WOULD TYPICALLY BE ASSESSED TO THE ADJACENT PROPERTY OWNER. THIS TYPE OF PROJECT IN THE PAST HAS BEEN PROTESTED OUT BY ADJACENT PROPERTY OWNERS BECAUSE OF THE HIGH ASSESSMENT COSTS. WITHOUT UPGRADING THE ROADWAYS TO AN URBAN SECTION THE PUBLIC WORKS DEPT. HAS TO IMPLEMENT SPECIAL MODES OF OPERATION TO MAINTAIN THESE ROADWAYS. THIS WOULD PROVIDE PARTIAL FUNDING TO RECONSTRUCT THESE ROADWAYS AND INSTALL SUBBASE DRAINAGE SYSTEMS (IF NECESSARY).

Justification

THIS TYPE OF PROJECT WOULD BE DONE OVER A PERIOD OF YEARS. THE PROJECT WOULD COORDINATE WITH OTHER INFRASTRUCTURE PROJECTS. THE ESTIMATED ANNUAL NEED IS APPROXIMATELY \$1.5 MILLION/YEAR FOR FUNDING FROM SALES TAX AND ASSESSMENTS.

Scheduling and Project Status

Annual Impact on Income and Operating Costs      REDUCED MAINTENANCE COST IN ROADS AND STREETS.

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$150,000	\$150,000	\$150,000	\$175,000	\$200,000	\$825,000
Construction	\$1,680,000	\$1,680,000	\$1,680,000	\$1,808,000	\$1,880,000	\$8,728,000
Other (specify)						
<b>Total</b>	<b>\$1,830,000</b>	<b>\$1,830,000</b>	<b>\$1,830,000</b>	<b>\$1,983,000</b>	<b>\$2,080,000</b>	<b>\$9,553,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$1,500,000	\$1,500,000	\$1,500,000	\$1,633,000	\$1,720,000	\$7,853,000
Special Assessment Bonds	\$330,000	\$330,000	\$330,000	\$350,000	\$360,000	\$1,700,000
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$1,830,000</b>	<b>\$1,830,000</b>	<b>\$1,830,000</b>	<b>\$1,983,000</b>	<b>\$2,080,000</b>	<b>\$9,553,000</b>

PREPARER MARK A. BERG

PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING	Project Title: QUIET RAIL ZONE	Priority	10 of 20	1st Year:		
Description: CONSTRUCTION OF A QUAD GATE PROTECTION SYSTEM AT THE RAILROAD CROSSINGS AT 3RD, 5TH, AND 12TH STREET TO ALLOW FOR THE CREATION OF A QUIET RAIL ZONE THROUGH DOWNTOWN BISMARCK.						
Justification Implementation of a quiet rail zone through downtown Bismarck by installing a quad gate system						
Scheduling and Project Status TO BE DETERMINED BY BURLINGTON NORTHERN SANTA FE RAILROAD						
Annual Impact on Income and Operating Costs REDUCTION IN ANNUAL MAINTENANCE COSTS						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$50,000					\$50,000
Construction	\$2,822,000					\$2,822,000
Other (specify) Right of way						
<b>Total</b>	<b>\$2,872,000</b>					<b>\$2,872,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify) TIF	\$2,872,000					\$2,872,000
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$2,872,000</b>					<b>\$2,872,000</b>
PREPARER MARK A. BERG					PREPARER'S PHONE NUMBER 355-1529	

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING | Project Title: CENTURY AVENUE BRIDGE AT HAY CREEK | Priority 11 of 20 | 1st Year:

Description:  
 REMEDIAL REPAIRS AND ON GOING MAINTENANCE.

Justification PREVENTION OF FUTURE DAMAGE AND REPAIR EXISTING PAVEMENT.

Scheduling and Project Status REPAIRS AND MAINTENANCE 2017

Annual Impact on Income and Operating Costs  
 REDUCTION IN ANNUAL MAINTENANCE COSTS

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural		\$500,000				\$500,000
Construction		\$1,500,000				\$1,500,000
Other (specify) Right of way						
<b>Total</b>		<b>\$2,000,000</b>				<b>\$2,000,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund		\$2,000,000				\$2,000,000
Special Assessment Bonds						
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$2,000,000</b>				<b>\$2,000,000</b>

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

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING Project Title: NORTH WASHINGTON ST - CALGARY AVE TO 57th AVE Priority 12 of 20 1st Year:  
 RECONSTRUCTION AND WIDENING OF THE EXISTING TWO-LANE RURAL SECTION TO A 48-FOOT WIDE URBAN ROADWAY, WITH TRAFFIC  
 SIGNALS, STREET LIGHTING, SIGNING AND PAVEMENT MARKING.

\*Special assessments are anticipated to be a contributing part of this project's funding, but the amount is yet to be determined.  
 \*\*Estimated July 15, 2014.

Justification THIS PROJECT WAS ORIGINALLY SCHEDULED TO BE CONSTRUCTED IN 2015 BUT WAS DELAYED TO A LACK OF FEDERAL FUNDING. THIS  
 REQUEST FOR ADDITIONAL FUNDING IS TO PROVIDE FOR AN ANTICIPATED INCREASE IN CONSTRUCTION COSTS DUE TO DELAYS. THE ORIGINAL PROJEC  
 BUDGET WAS APPROVED IN THE 2015 CIP

Scheduling and Project Status PRELIMINARY ENGINEERING IN 2013, DESIGN IN 2014, AND CONSTRUCTION DELAYED TO 2016.

### Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural						
Construction	\$1,000,000					\$1,000,000
Other (specify)						
<b>Total</b>	<b>\$1,000,000</b>					<b>\$1,000,000</b>

### Project Funding:

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$1,000,000					\$1,000,000
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 MARK A. BERG

PREPARER'S PHONE NUMBER 355-1529

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING	Project Title: DIVIDE AVE - EXPRESSWAY TO 52ND ST	Priority	13 of 20	1st Year:
Description: CONSTRUCTION OF NEW URBAN THREE-LANE ROADWAY, 48-FOOT WIDE GRADED URBAN ROADWAY SECTION. THIS WILL INCLUDE THE PURCHASE OF ADDITIONAL RIGHT OF WAY, STREET LIGHTING, SIGNING, AND PAVEMENT MARKING.				
*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 LONG RANGE TRANSPORTATION PLAN TO IMPROVE CAPACITY ALONG THIS CORRIDOR AND WILL FACILITATE NEED FOR AN INTERCHANGE AT I-94.				
Scheduling and Project Status: RIGHT OF WAY ACQUISITION AND PRELIMINARY DESIGN IN 2017, DESIGN AND BID IN 2018 AND CONSTRUCTION IN 2019.				
Annual Impact on Income and Operating Costs				
<b>Project Costs:</b>				
Planning & Preliminary Design				Total
Engineering/Architectural	\$500,000			\$500,000
Construction		\$500,000		\$1,500,000
Other (specify)			\$10,000,000	\$10,000,000
<b>Total</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$11,000,000</b>	<b>\$12,000,000</b>
<b>Project Funding:</b>				
<b>City</b>				
Enterprise Construction Reserves				
Motel/Liquor/Restaurant				
Building Construction				
Sales Tax Fund	\$500,000	\$500,000	\$3,000,000	\$4,000,000
Special Assessment Bonds *				
Other (specify)				
<b>Non-City</b>				
Private/Donations				
Federal Grant			\$8,000,000	\$8,000,000
State Grant				
<b>Total</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$11,000,000</b>	<b>\$12,000,000</b>
PREPARER MARK A. BERG				
PREPARER'S PHONE NUMBER 355-1529				

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING	Project Title: CENTURY AVE - CENTENNIAL RD TO 66TH ST	Priority	14 of 20	1st Year:	
Description: CONSTRUCTION AND RECONSTRUCTION OF THE EXISTING RURAL ROADWAY TO A 36-FOOT 3-LANE WIDE RURAL ROADWAY SECTION. THIS WILL INCLUDE PAVEMENT, STREET LIGHTING, SIGNING, AND PAVEMENT MARKING.					
*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 LONG RANGE TRANSPORTATION PLAN TO IMPROVE CAPACITY ALONG THIS CORRIDOR AND WILL FACILITATE NEED FOR AN INTERCHANGE AT I-94.					
Scheduling and Project Status: RIGHT OF WAY ACQUISITION AND PRELIMINARY DESIGN IN 2017, DESIGN 2018 AND BID IN 2018 AND CONSTRUCTION IN 2019.					
Annual Impact on Income and Operating Costs					
<b>Project Costs:</b>					<b>Total</b>
Planning & Preliminary Design	\$350,000				\$350,000
Engineering/Architectural		\$350,000			\$950,000
Construction			\$7,000,000		\$7,000,000
Other (specify) Right of way				\$1,500,000	\$1,500,000
<b>Total</b>			<b>\$7,600,000</b>		<b>\$9,800,000</b>
<b>Project Funding:</b>					
<b>City</b>					
Enterprise Construction Reserves					
Motel/Liquor/Restaurant					
Building Construction					
Sales Tax Fund	\$1,850,000	\$350,000	\$2,000,000		\$4,200,000
Special Assessment Bonds *					
Other (specify)					
<b>Non-City</b>					
Private/Donations			\$5,600,000		\$5,600,000
Federal Grant					
State Grant					
<b>Total</b>		<b>\$350,000</b>	<b>\$7,600,000</b>		<b>\$9,800,000</b>
PREPARER: MARK A. BERG					
PREPARER'S PHONE NUMBER 355-1529					

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING	Project Title: SOUTH WASHINGTON STREET	Priority	15 of 20	1st Year:		
Description: RECONSTRUCTION OF THE EXISTING RURAL TWO-LANE ROADWAY (DRAINAGE CHANNEL TO BURLEIGH AVENUE) TO A 48-FOOT WIDE URBAN ROADWAY SECTION. THIS WILL INCLUDE STREET LIGHTING, SIGNING, AND PAVEMENT MARKING.						
*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 LONG RANGE TRANSPORTATION PLAN TO IMPROVE CAPACITY ALONG THIS CORRIDOR.						
Scheduling and Project Status PRELIMINARY DESIGN IN 2017, DESIGN AND BID IN 2018 AND CONSTRUCTION IN 2019.						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$300,000	\$300,000	\$300,000			\$600,000
Construction				\$6,600,000		\$6,600,000
Other (specify) Right of way						
<b>Total</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$6,600,000</b>		<b>\$7,200,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$300,000	\$300,000	\$300,000	\$1,800,000		\$2,400,000
Special Assessment Bonds *						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant				\$4,800,000		\$4,800,000
State Grant						
<b>Total</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$6,600,000</b>		<b>\$7,200,000</b>
PREPARER MARK A. BERG					PREPARER'S PHONE NUMBER 355-1529	

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING Project Title: 43RD AVENUE NORTH - STATE STREET TO MONTREAL STREET Priority 16 of 20 | 1st Year.  
 Description: RECONSTRUCTION OF THE EXISTING RURAL TWO-LANE ROADWAY TO A 3-LANE 36' RURAL ROADWAY WITH SHOULDERS INCLUDING LIGHTING, SIGNAGE AND PAVEMENT MARKING

**\*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 LONG RANGE TRANSPORTATION PLAN TO IMPROVE CAPACITY ALONG THIS CORRIDOR.

Scheduling and Project Status RIGHT OF WAY ACQUISITION AND PRELIMINARY DESIGN IN 2016, DESIGN AND BID IN 2017, CONSTRUCTION IN 2018

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design	\$200,000					\$200,000
Engineering/Architectural		\$300,000				\$300,000
Construction		\$3,000,000				\$3,000,000
Other (specify) Right of way	\$500,000					\$500,000
<b>Total</b>	<b>\$700,000</b>	<b>\$3,300,000</b>				<b>\$4,000,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund	\$700,000	\$300,000				\$1,000,000
Special Assessment Bonds *		\$3,000,000				\$3,000,000
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$700,000</b>	<b>\$3,300,000</b>				<b>\$4,000,000</b>

PREPARER MARK A. BERG

PREPARER'S PHONE NUMBER 355-1529



## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING	Project Title: 43RD AVENUE NORTH - 26TH STREET TO CENTENNIAL ROAD	Priority	18	of	20	1st Year:	
Description: RECONSTRUCTION OF THE EXISTING RURAL TWO-LANE ROADWAY TO A 3-LANE 36' WIDE RURAL ROADWAY SECTION WITH SHOULDERS, LIGHTING, SIGNAGE AND PAVEMENT MARKINGS							
*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 LONG RANGE TRANSPORTATION PLAN TO IMPROVE CAPACITY ALONG THIS CORRIDOR.							
Scheduling and Project Status RIGHT OF WAY ACQUISITION AND PRELIMINARY DESIGN IN 2016, DESIGN AND BID IN 2017, CONSTRUCTION IN 2018							
Annual Impact on Income and Operating Costs							
<b>Project Costs:</b>		2016	2017	2018	2019	2020	Total
Planning & Preliminary Design		\$200,000					\$200,000
Engineering/Architectural			\$300,000				\$300,000
Construction			\$3,100,000				\$3,100,000
Other (specify) Right of way		\$100,000					\$100,000
<b>Total</b>		<b>\$300,000</b>	<b>\$3,400,000</b>				<b>\$3,700,000</b>
<b>Project Funding:</b>							
<b>City</b>							
Enterprise Construction Reserves							
Motel/Liquor/Restaurant							
Building Construction							
Sales Tax Fund		\$300,000	\$300,000				\$600,000
Special Assessment Bonds *			\$3,100,000				\$3,100,000
Other (specify)							
<b>Non-City</b>							
Private/Donations							
Federal Grant							
State Grant							
<b>Total</b>		<b>\$300,000</b>	<b>\$3,400,000</b>				<b>\$3,700,000</b>
PREPARER MARK A. BERG		PREPARER'S PHONE NUMBER		355-1529			

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING | Project Title: 66TH STREET - 43RD AVENUE NORTH TO ROCKY ROAD | Priority 19 of 20 | 1st Year:

Description: CONSTRUCTION OF NEW RURAL THREE-LANE ROADWAY, 48-FOOT WIDE GRADED URBAN ROADWAY SECTION. THIS WILL INCLUDE THE PURCHASE OF ADDITIONAL RIGHT OF WAY, SIGNING, AND PAVEMENT MARKING.

\*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 LONG RANGE TRANSPORTATION PLAN TO IMPROVE CAPACITY ALONG THIS CORRIDOR AND WILL FACILITATE NEED FOR AN INTERCHANGE AT I-94.

Scheduling and Project Status: RIGHT OF WAY ACQUISITION AND PRELIMINARY DESIGN IN 2014, DESIGN AND BID IN 2015 AND CONSTRUCTION IN 2016.

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design		\$200,000				\$200,000
Engineering/Architectural			\$200,000	\$800,000		\$1,000,000
Construction					\$6,800,000	\$6,800,000
Other (specify) Right of way			\$1,500,000			\$1,500,000
<b>Total</b>		\$200,000	\$1,700,000	\$800,000	\$6,800,000	\$9,500,000

Project Funding:	2016	2017	2018	2019	2020	Total
City						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund		\$200,000	\$1,700,000	\$800,000	\$2,000,000	\$4,700,000
Special Assessment Bonds *						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant					\$4,800,000	\$4,800,000
State Grant						
<b>Total</b>		\$200,000	\$1,700,000	\$800,000	\$6,800,000	\$9,500,000

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

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: ENGINEERING	Project Title: CHANCELLOR SQUARE REDESIGN AND CONSTRUCTION	Priority	20 of 20	1st Year:		
THE REDESIGN OF THE DOWNTOWN AREA REMOVING CHANCELLOR SQUARE AND RECONSTRUCTION OF DOWNTOWN STREETS AND UNDERGROUND INFRASTRUCTURE. THE PROJECT AREA WILL BE FROM THE CENTERLINE OF MAIN AVENUE TO ROSSER AVENUE AND 3RD STREET TO 6TH STREET						
Description:						
*Special assessments are anticipated to be a contributing part of this project's funding, but the amount is yet to be determined.						
Justification						
REQUEST BY THE DOWNTOWN SUB AREA PLAN IMPLEMENTATION TASK FORCE						
Scheduling and Project Status						
PRE-ENGINEERING 2016, DESIGN IN 2017 AND CONSTRUCTION IN 2018						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design	\$175,000					\$175,000
Engineering/Architectural Construction		\$175,000	\$350,000			\$525,000
Other (specify) Right of way			\$10,000,000			\$10,000,000
<b>Total</b>	<b>\$175,000</b>	<b>\$175,000</b>	<b>\$10,350,000</b>			<b>\$10,700,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds *						
Other (specify)	\$175,000	\$175,000	\$10,350,000			\$10,700,000
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$175,000</b>	<b>\$175,000</b>	<b>\$10,350,000</b>			<b>\$10,700,000</b>
PREPARER MARK A. BERG						
PREPARER'S PHONE NUMBER 355-1529						

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**UTILITY OPERATIONS - SANITARY SEWER**

Requested Project	Rank	Cost to be Funded	Funding		%	Projected Costs Per Year				
			Source			2016	2017	2018	2019	2020
Wachter Lift Station Rehab	1	5,750,000	Sewer Utility		100	1,500,000	4,250,000	-	-	-
SCADA System Upgrade	2	2,600,000	Sewer Utility		100	1,400,000	1,200,000	-	-	-
Hay Creek Extension-57th/71st Interceptor Sewer	3	850,000	Sewer Utility	Private Donations	65	550,000	-	-	-	-
					35	300,000	-	-	-	-
Tyler Coulee Interceptor Sewer Extension	4	1,500,000	Sewer Utility		100	450,000	350,000	350,000	350,000	-
9th & Expressway Lift Station Rehab	5	550,000	Sewer Utility		100	50,000	500,000	-	-	-
Hay Creek Lift Station Rehab	6	2,650,000	Sewer Utility		100	150,000	850,000	1,650,000	-	-
Hay Creek Sewer Rehab & Cap Eval	7	3,300,000	Sewer Utility		100	300,000	400,000	800,000	800,000	1,000,000
San Sewer Rehab/WWM Replacemt Area	8	1,980,000	Sewer Utility		100	770,000	550,000	220,000	220,000	220,000
Hay Creek Interceptor Sewer Extension W of Washington	9	440,000	Sewer Utility	Private Donations	77	-	340,000	-	-	-
					23	-	100,000	-	-	-
San Sewer Rehab/Casey's Addition	10	1,750,000	Sewer Utility		100	-	100,000	550,000	1,100,000	-
SW Dev Area-Lift Station/Forcemain	11	500,000	Sewer Utility		100	-	-	500,000	-	-
Landfill Interceptor Sewer Ext N of I94	12	700,000	Sewer Utility		100	-	-	700,000	-	-
<b>TOTAL</b>		<b>22,570,000</b>				<b>5,470,000</b>	<b>8,640,000</b>	<b>4,770,000</b>	<b>2,470,000</b>	<b>1,220,000</b>
<b>NON-CITY FUNDING</b>		<b>400,000</b>				<b>300,000</b>	<b>100,000</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>22,170,000</b>				<b>5,170,000</b>	<b>8,540,000</b>	<b>4,770,000</b>	<b>2,470,000</b>	<b>1,220,000</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Wachter Lift Station Rehabilitation	Priority	1 of 12	1st Year: 2008		
<p><b>Description</b> The Wachter Lift Station was originally built in 1977 and is one of two master lift stations for the City. The existing facility is in need of rehabilitation. Problems include HVAC inadequacies, corrosion of piping and valves, increased increased problems with electrical system due to corrosion, lack of flow metering, need for additional backup pumping capacity, among problems. Project would hire a consultant to evaluate the entire station for needs and make recommendations that could be built without taking the station out of service.</p>						
<p><b>Justification</b> This lift station pumps about 40% of the city's wastewater. Reliability and safety issues need to be addressed. Project also includes construction of parallel forcemain to Washington Street in 2013.</p>						
<p><b>Scheduling and Project Status</b></p>						
<p><b>Annual Impact on Income and Operating Costs</b></p>						
<b>Project Costs:</b>						
	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design	\$500,000	\$250,000				\$750,000
Engineering/Architectural	\$1,000,000	\$4,000,000				\$5,000,000
Construction						
Other (specify)						
<b>Total</b>	<b>\$1,500,000</b>	<b>\$4,250,000</b>				<b>\$5,750,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$1,500,000	\$4,250,000				\$5,750,000
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>\$1,500,000</b>	<b>\$4,250,000</b>				<b>\$5,750,000</b>
<p>Keith Demke <span style="float: right;">355-1704</span></p>						

# City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	SCADA System Upgrade - Sanitary Sewer System		Priority 2	of 12	1st Year: 2005	
Description	Update the current SCADA system which is functionally obsolete. Work would include a system evaluation/needs assessment, which would be followed by a Master Plan, design and installation of new equipment. Systems integration would be provided by the designer as a professional services contract. Work would be done in conjunction with upgrade of the water distribution system SCADA system.					
Justification						
Scheduling and Project Status	System evaluation/needs assessment in 2013-14 with design and construction in 2014-15.					
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design	\$100,000					\$100,000
Engineering/Architectural	\$700,000					\$700,000
Construction	\$500,000	\$1,000,000				\$1,500,000
Other (System integration)	\$100,000	\$200,000				\$300,000
<b>Total</b>	<b>\$1,400,000</b>	<b>\$1,200,000</b>				<b>\$2,600,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$1,400,000	\$1,200,000				\$2,600,000
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>\$1,400,000</b>	<b>\$1,200,000</b>				<b>\$2,600,000</b>
Keith Demke						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Hay Creek Extension - 57th/71st Ave Interceptor Sewer	Priority 3 of 12	1st Year: 2005
Description Extend Hay Creek interceptor sewer to serve area between 57th & 71st Avenues along State St., both east and west sides. Approximately 14,000 LF of 12 & 15 inch sewer.			
Justification			
Scheduling and Project Status Awarded in 2015, majority of construction in 2015 (\$2,535,986 construction contract).			
Annual Impact on Income and Operating Costs			
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Planning & Preliminary Design			
Engineering/Architectural	\$100,000		
Construction	\$750,000		
Other (specify)			
<b>Total</b>	<b>\$850,000</b>		
<b>Project Funding:</b>			
<b>City</b>			
Enterprise Construction Reserves	\$550,000		
Motel/Liquor/Restaurant			
Building Construction			
Sales Tax Fund			
Special Assessment Bonds			
Other (specify)			
<b>Non-City</b>			
Private/Donations	\$300,000		
Federal Grant			
State Grant			
<b>Total</b>	<b>\$850,000</b>		
Keith Demke		355-1704	



## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works 9th & Expressway Lift Station Rehabilitation Priority 5 of 12 1st Year: 2013

**Description** The Lift Station was originally built in 1966. The existing facility is in need of rehabilitation. Problems include HVAC inadequacies, corrosion of piping and valves, increased problems with electrical system due to corrosion, lack of flow metering, need for additional backup pumping capacity, among other problems. Project would hire a consultant to evaluate the entire station for needs and make recommendations that could be built without taking the station out of service.

**Justification** Station is approaching 50 years and reliability, safety and capacity issues need to be addressed.

**Scheduling and Project Status** Pumps replaced in 2015. Start study in 2016.

**Annual Impact on Income and Operating Costs**

<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$50,000	\$100,000				\$150,000
Construction		\$400,000				\$400,000
Other (specify)						
<b>Total</b>	<b>\$50,000</b>	<b>\$500,000</b>				<b>\$550,000</b>

**Project Funding:**

<b>City</b>	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves	\$50,000	\$500,000				\$550,000
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>\$50,000</b>	<b>\$500,000</b>				<b>\$550,000</b>

Keith Demke 355-1704

# City of Bismarck Capital Improvement Project 2016 - 2020

<b>Public Works</b>	Hay Creek Lift Station Rehabilitation	Priority	6 of 12	1st Year: 2013		
<b>Description</b>	The Hay Creek Lift Station was originally built in 1975 and is a major lift station serving an area of major growth. The existing facility is in need of rehabilitation. Problems include HVAC inadequacies, corrosion of piping and valves, increased problems with electrical system due to corrosion, lack of flow metering, need for additional backup pumping capacity, among other problems. Project would hire a consultant to evaluate the entire station for needs and make recommendations that could be built without taking the station out of service.					
<b>Justification</b>	This lift station pumps wastewater from the growth areas in the north and northeast. Station is approaching 40 years and reliability and capacity issues need to be addressed.					
<b>Scheduling and Project Status</b>	Start study in 2016					
<b>Annual Impact on Income and Operating Costs</b>						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$150,000	\$350,000	\$150,000			\$650,000
Construction		\$500,000	\$1,500,000			\$2,000,000
Other (specify)						
<b>Total</b>	<b>\$150,000</b>	<b>\$850,000</b>	<b>\$1,650,000</b>			<b>\$2,650,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$150,000	\$850,000	\$1,650,000			\$2,650,000
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>\$150,000</b>	<b>\$850,000</b>	<b>\$1,650,000</b>			<b>\$2,650,000</b>
<b>Keith Demke</b>						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Priority 7 of 12 1st Year: 2001

Public Works Hay Creek Sewer Rehab & Capacity Eval

Description Study of system to identify areas requiring rehab to reduce I/I. Lining of sewers and rehabilitation of manholes that are identified as having excessive I/I. Also need evaluation of capacity to carry projected future flows from growth in the sewer shed.

Justification Lining and/or rehabilitation of sewer system. Master plan indicated excessive infiltration/inflow in this area. Rehab will reduce I/I flows and assure long term structural integrity of system. Also need capacity evaluation for growth.

Scheduling and Project Status Study in 2015.

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$300,000	\$50,000	\$100,000	\$100,000	\$150,000	\$700,000
Construction		\$350,000	\$700,000	\$700,000	\$850,000	\$2,600,000
Other (specify)						
<b>Total</b>	<b>\$300,000</b>	<b>\$400,000</b>	<b>\$800,000</b>	<b>\$800,000</b>	<b>\$1,000,000</b>	<b>\$3,300,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves	\$300,000	\$400,000	\$800,000	\$800,000	\$1,000,000	\$3,300,000
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>\$300,000</b>	<b>\$400,000</b>	<b>\$800,000</b>	<b>\$800,000</b>	<b>\$1,000,000</b>	<b>\$3,300,000</b>

Keith Demke 355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

<b>Public Works</b>	Sanitary Sewer Rehab / Watermain Replacement Area	Priority 8	of 12	1st Year: 2014		
<b>Description</b>	Sewer Repairs associated with Watermain replacement Projects.					
<b>Justification</b>	Sewer system in area scheduled for watermain replacement is inspected with camera to identify defects to be corrected in association with the water main replacement project.					
<b>Scheduling and Project Status</b>						
<b>Annual Impact on Income and Operating Costs</b>						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$70,000	\$50,000	\$20,000	\$20,000	\$20,000	\$180,000
Construction	\$700,000	\$500,000	\$200,000	\$200,000	\$200,000	\$1,800,000
Other (specify)						
<b>Total</b>	<b>\$770,000</b>	<b>\$550,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$1,980,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$770,000	\$550,000	\$220,000	\$220,000	\$220,000	\$1,980,000
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>\$770,000</b>	<b>\$550,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$1,980,000</b>
Keith Demke						
						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Hay Creek Interceptor Sewer Extension W of Washington	Priority	9 of 12	1st Year: 2013			
Description    Extend interceptor sewer west of Washington St. Approximately 2400 LF of 12 inch sewer.							
Justification							
Scheduling and Project Status							
Annual Impact on Income and Operating Costs							
<b>Project Costs:</b>		2016	2017	2018	2019	2020	Total
Planning & Preliminary Design							
Engineering/Architectural			\$40,000				\$40,000
Construction			\$400,000				\$400,000
Other (specify)							
<b>Total</b>			<b>\$440,000</b>				<b>\$440,000</b>
<b>Project Funding:</b>							
<b>City</b>							
Enterprise Construction Reserves			\$340,000				\$340,000
Motel/Liquor/Restaurant							
Building Construction							
Sales Tax Fund							
Special Assessment Bonds							
Other (specify)							
<b>Non-City</b>							
Private/Donations			\$100,000				\$100,000
Federal Grant							
State Grant							
<b>Total</b>			<b>\$440,000</b>				<b>\$440,000</b>
Keith Demke			355-1704				

# City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Sanitary Sewer Rehab /Casey's Addition	Priority 10 of 12	1st Year: 2014
Description    Rehab/Repair/Repalcement Project. Many sewers are in backyard easements with heavy tree growth/root problems. Evaluate cleaning and lining to reduce future problems.			
Justification    Section of sewer with history of root problems and backups.			
Scheduling and Project Status    Hire consultant and start design in 2017. Bidding and construction start in 2018, completion in 2019 when streets are scheduled for mill and overlay.			
Annual Impact on Income and Operating Costs			
<b>Project Costs:</b>			
Planning & Preliminary Design			Total
Engineering/Architectural	\$100,000	\$50,000	\$250,000
Construction		\$1,000,000	\$1,500,000
Other (specify)			
<b>Total</b>	<b>\$100,000</b>	<b>\$550,000</b>	<b>\$1,750,000</b>
<b>Project Funding:</b>			
<b>City</b>			
Enterprise Construction Reserves		\$550,000	\$1,750,000
Motel/Liquor/Restaurant	\$100,000		
Building Construction			
Sales Tax Fund			
Special Assessment Bonds			
Other (specify)			
<b>Non-City</b>			
Private/Donations			
Federal Grant			
State Grant			
<b>Total</b>	<b>\$100,000</b>	<b>\$550,000</b>	<b>\$1,750,000</b>
Keith Demke <span style="float: right;">355-1704</span>			



# City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Landfill Interceptor Sewer Extension N of I94	Priority	12 of 12	1st Year: 2013		
Description Extend interceptor sewer north of I94 near City Landfill. Approximately 2400 LF of 12 inch sewer.						
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural			\$100,000			\$100,000
Construction			\$600,000			\$600,000
Other (specify)						
<b>Total</b>			<b>\$700,000</b>			<b>\$700,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$700,000			\$700,000
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>\$700,000</b>			<b>\$700,000</b>
Keith Demke					355-1704	

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**UTILITY OPERATIONS - WATER ADMINISTRATION**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year					
			Source	%	2016	2017	2018	2019	2020	
Roofing Replacement	1	1,000,000	Water Utility	100	-	-	-	-	1,000,000	-
Air Handling Units	2	150,000	Water Utility	100	-	-	-	-	-	150,000
Boiler Unit	3	150,000	Water Utility	100	-	-	-	-	-	150,000
<b>TOTAL</b>		<b>1,300,000</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,000,000</b>	<b>300,000</b>
<b>NON-CITY FUNDING</b>		<b>-</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>1,300,000</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,000,000</b>	<b>300,000</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Public Works Adm	Project Title: Roofing Replacement	Priority 1 of 3	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 membrane will be nearing 20 years of age. It is currently showing some signs of problems below the membrane suggesting insulation may have been wet.						
Scheduling and Project Status RFQ should occur in fourth quarter of 2018. Bidding in first quarter 2019, construction to follow with completion by October 1, 2019						
Annual Impact on Income and Operating Costs Annual operating costs should decrease slightly due to damaged insulation being replaced and a new and more energy efficient roofing system being installed. Maintenance costs will be reduced as the aged system requires more attention and monitoring.						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	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>
<b>Project Funding:</b>						
<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 2016 - 2020

Department: Public Works Adm      Project Title: Air Handling Units      Priority 2 of 3      1st Year: 2015

Description: Air handling units and make-up air units are projected to need major repair or replacement due to age and inability to handle large quantities of air.

Justification There are beginning to be signs of some maintenance challenges and compromised air handling. That is expected to become more problematic as systems reach 20 years of age. Energy efficiency gains also can be made with updated equipment.

Scheduling and Project Status RFQ in fourth quarter of 2019. Design, first quarter of 2020. Replacement and repair should begin in the second quarter of 2020, finishing by October 1, 2020.

Annual Impact on Income and Operating Costs Reduction in maintenance costs and energy costs due to updated, more reliable and easier to maintain system.

	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design						
Engineering/Architectural				\$15,000		\$15,000
Construction				\$135,000		\$135,000
Other (specify)						
<b>Total</b>				<b>\$150,000</b>		<b>\$150,000</b>

<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves					\$150,000	\$150,000
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>\$150,000</b>		<b>\$150,000</b>

PREPARER LaVonne Wohl      PREPARER'S PHONE NUMBER 355-1743



**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**UTILITY OPERATIONS - STORM SEWER**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year				
			Source	%	2016	2017	2018	2019	2020
South Bismarck-Storm Sewer Improvements	1	3,300,000	Spec Asmt	100	3,300,000	-	-	-	-
Hay Creek Watershed-North Washington Street Sub-Watershed	2	440,000	Spec Asmt	100	440,000	-	-	-	-
Hay Creek/Centennial Watershed-Centennial Watershed Outfall	3	170,000	Spec Asmt	100	170,000	-	-	-	-
South Bismarck-S 12th St Sub Watershed	4	1,375,000	Spec Asmt	100	775,000	-	-	-	600,000
Hay Creek Watershed-HWY 83 & 1804 Sub-Watersheds	5	13,425,000	Spec Asmt	100	3,390,000	2,760,000	1,715,000	2,960,000	2,600,000
Hay Creek/North 4th Street Watershed-West of Washington	6	895,000	Spec Asmt	100	505,000	-	-	390,000	-
Landfill Watershed	7	1,100,000	Spec Asmt	100	275,000	275,000	275,000	275,000	-
Ward and Ash Coulee - Watersheds	8	7,765,000	Spec Asmt	100	1,250,000	2,600,000	2,400,000	675,000	840,000
Pebble Creek Golf Course Outfall Chan Stab	9	290,000	Enterprise Reserve	100	290,000	-	-	-	-
Tyler Coulee Channel Stabilization	10	675,000	Enterprise Reserve	100	150,000	175,000	-	175,000	175,000
Tyler Coulee-Eagle Crest Embankment	11	825,000	Spec Asmt	100	-	825,000	-	-	-
Pinehurst Outfall Repairs & Channel Stabil	12	280,000	Enterprise Reserve	100	-	280,000	-	-	-
Hay Creek Watershed-N Valley Channel	13	660,000	Spec Asmt	100	-	-	660,000	-	-
Tyler Coulee-Valley Dr West Embankment	14	2,200,000	Spec Asmt	100	-	-	2,200,000	-	-
Tyler Coulee-Tyler Parkway Embankment	15	1,650,000	Spec Asmt	100	-	-	1,650,000	-	-
Tyler Coulee-Overland Road Embankment	16	165,000	Spec Asmt	100	-	-	165,000	-	-
Hay Creek Channel Cleaning & Culver Rprs	17	145,000	Enterprise Reserve	100	-	-	145,000	-	-
Hay Creek/Centennial Watershed-Detention Carufel's	18	275,000	Spec Asmt	100	-	-	-	275,000	-
South Bismarck Channel-Sediment & Trash Removal Improvements	19	115,000	Enterprise Reserve	100	-	-	-	115,000	-
Hay Creek Channel Cleaning & Stabilization-Rosser Ave	20	170,000	Enterprise Reserve	100	-	-	-	-	170,000
<b>TOTAL</b>		<b>35,920,000</b>			<b>10,545,000</b>	<b>6,915,000</b>	<b>9,210,000</b>	<b>4,865,000</b>	<b>4,385,000</b>
<b>NON-CITY FUNDING</b>		<b>-</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>35,920,000</b>			<b>10,545,000</b>	<b>6,915,000</b>	<b>9,210,000</b>	<b>4,865,000</b>	<b>4,385,000</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer	South Bismarck - Storm Sewer Improvements	Priority 1 of 20	2011			
<b>Description</b>	Construction of additional storm sewer capacity in S 12th St.					
<b>Justification</b>	Current system results in street flooding on Expressway and S 12th St area.					
<b>Scheduling and Project Status</b>	Specific projects to be identified in South Bismarck Storm Water Master Plan update in 2015.					
<b>Annual Impact on Income and Operating Costs</b>						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						\$300,000
Engineering/Architectural	\$300,000					\$300,000
Construction	\$3,000,000					\$3,000,000
Land Acquisition						
<b>Total</b>	<b>\$3,300,000</b>					<b>\$3,300,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds	\$3,300,000					\$3,300,000
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$3,300,000</b>					<b>\$3,300,000</b>
<b>PREPARER</b>	Keith Demke	<b>PREPARER'S PHONE NUMBER</b>	355-1704			

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer | Hay Creek Watershed - North Washington Street Sub - Watershed | Priority 2 of 20 | 1st Year

**Description** Construct storm water detention ponds and storm sewer to address future development.

**Justification** Storm sewer required to handle storm water for future development.

**Scheduling and Project Status**

**Annual Impact on Income and Operating Costs**

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$40,000					\$40,000
Construction	\$400,000					\$400,000
Land Acquisition						
<b>Total</b>	<b>\$440,000</b>					<b>\$440,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds	\$440,000					\$440,000
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$440,000</b>					<b>\$440,000</b>

**PREPARER** Keith Demke | **PREPARER'S PHONE NUMBER** 355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer      Hay Creek/Centennial Watershed - Centennial Watershed Outfall      Priority 3 of 20      1st Year

**Description**    Storm water outfall for Centennial Watershed - S I-94, Miriam Ave.

**Justification**    Needed for future development.

**Scheduling and Project Status**

**Annual Impact on Income and Operating Costs**

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$20,000					\$20,000
Construction	\$150,000					\$150,000
Other (specify)						
<b>Total</b>	<b>\$170,000</b>					<b>\$170,000</b>

Project Funding:	2016	2017	2018	2019	2020	Total
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds	\$170,000					\$170,000
Other (specify)						

<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$170,000</b>					<b>\$170,000</b>

**PREPARER**    Keith Demke      **PREPARER'S PHONE NUMBER**    355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer      South Bismarck - South 12th Street Sub Watershed      Priority 4 of 20 1st Year

**Description**    Construct pump system for Cottonwood Park Lake. Regional detention that will serve Meadow Village and nerby additions.

**Justification**    Expanding development in South Bismarck will require outfall pumping system.

**Scheduling and Project Status**

**Annual Impact on Income and Operating Costs**

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$75,000				\$100,000	\$175,000
Construction	\$500,000				\$500,000	\$1,000,000
Land Acquisition	\$200,000					\$200,000
<b>Total</b>	<b>\$775,000</b>				<b>\$600,000</b>	<b>\$1,375,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds	\$775,000				\$600,000	\$1,375,000
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$775,000</b>				<b>\$600,000</b>	<b>\$1,375,000</b>

**PREPARER**    Keith Demke

**PREPARER'S PHONE NUMBER**

355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer	Hay Creek/HWY 83 & 1804 Sub - Watersheds	Priority	5 of 20	1st Year						
<b>Description</b> Regional detention and conveyance for developing watersheds.										
<b>Justification</b> Needed for future development.										
<b>Scheduling and Project Status</b>										
<b>Annual Impact on Income and Operating Costs</b>										
<b>Project Costs:</b>										
Planning & Preliminary Design										
Engineering/Architectural	\$90,000	\$110,000	\$35,000	\$110,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$495,000
Construction	\$500,000	\$650,000	\$180,000	\$650,000	\$850,000	\$850,000	\$850,000	\$850,000	\$850,000	\$2,830,000
Other (specify) Land Acquisition	\$2,800,000	\$2,000,000	\$1,500,000	\$2,200,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000	\$10,100,000
<b>Total</b>	<b>\$3,390,000</b>	<b>\$2,760,000</b>	<b>\$1,715,000</b>	<b>\$2,960,000</b>	<b>\$2,600,000</b>	<b>\$2,600,000</b>	<b>\$2,600,000</b>	<b>\$2,600,000</b>	<b>\$2,600,000</b>	<b>\$13,425,000</b>
<b>Project Funding:</b>										
<b>City</b>										
Enterprise Construction Reserves										
Motel/Liquor/Restaurant										
Building Construction										
Sales Tax Fund										
Special Assessment Bonds	\$3,390,000	\$2,760,000	\$1,715,000	\$2,960,000	\$2,600,000	\$2,600,000	\$2,600,000	\$2,600,000	\$2,600,000	\$13,425,000
Other (specify)										
<b>Non-City</b>										
Private/Donations										
Federal Grant										
State Grant										
<b>Total</b>	<b>\$3,390,000</b>	<b>\$2,760,000</b>	<b>\$1,715,000</b>	<b>\$2,960,000</b>	<b>\$2,600,000</b>	<b>\$2,600,000</b>	<b>\$2,600,000</b>	<b>\$2,600,000</b>	<b>\$2,600,000</b>	<b>\$13,425,000</b>
<b>PREPARER</b> Keith Demke	<b>PREPARER'S PHONE NUMBER</b> 355-1704									

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer	Hay Creek/North 4th Street Watershed - West of Washington	Priority	6 of 20	1st Year		
<b>Description</b> Detention and Storm Sewer west of Washington Street.						
<b>Justification</b> Needed for future development.						
<b>Scheduling and Project Status</b>						
<b>Annual Impact on Income and Operating Costs</b>						
	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Project Costs:</b>						
Planning & Preliminary Design	\$55,000			\$40,000		\$95,000
Engineering/Architectural	\$450,000			\$350,000		\$800,000
Construction						
Other (specify)						
<b>Total</b>	<b>\$505,000</b>			<b>\$390,000</b>		<b>\$895,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds	\$505,000			\$390,000		\$895,000
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$505,000</b>			<b>\$390,000</b>		<b>\$895,000</b>
<b>PREPARER</b> Keith Demke	<b>PREPARER'S PHONE NUMBER</b> 355-1704					

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer Landfill Watershed Priority 7 of 20 1st Year

**Description** Construct drainage improvements within watershed to accommodate future growth.

**Justification** Needed for future development.

**Scheduling and Project Status**

**Annual Impact on Income and Operating Costs**

	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design	\$25,000	\$25,000	\$25,000	\$25,000		\$100,000
Engineering/Architectural Construction	\$250,000	\$250,000	\$250,000	\$250,000		\$1,000,000
Land Acquisition						
<b>Total</b>	<b>\$275,000</b>	<b>\$275,000</b>	<b>\$275,000</b>	<b>\$275,000</b>		<b>\$1,100,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds	\$275,000	\$275,000	\$275,000	\$275,000		\$1,100,000
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$275,000</b>	<b>\$275,000</b>	<b>\$275,000</b>	<b>\$275,000</b>		<b>\$1,100,000</b>

**PREPARER** Keith Demke **PREPARER'S PHONE NUMBER** 355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer	Ward and Ash Coulee - Watersheds	Priority	8	of	20	1st Year
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**Description** Regional detention and conveyance for developing watersheds.

**Justification** Needed for future development.

**Scheduling and Project Status**

**Annual Impact on Income and Operating Costs**

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$150,000	\$300,000	\$300,000	\$75,000	\$90,000	\$915,000
Construction	\$1,100,000	\$2,300,000	\$2,100,000	\$600,000	\$750,000	\$6,850,000
Other (specify) Land Acquisition						
<b>Total</b>	<b>\$1,250,000</b>	<b>\$2,600,000</b>	<b>\$2,400,000</b>	<b>\$675,000</b>	<b>\$840,000</b>	<b>\$7,765,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds	\$1,250,000	\$2,600,000	\$2,400,000	\$675,000	\$840,000	\$7,765,000
Other (specify)						

**Non-City**

Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$1,250,000</b>	<b>\$2,600,000</b>	<b>\$2,400,000</b>	<b>\$675,000</b>	<b>\$840,000</b>	<b>\$7,765,000</b>

**PREPARER** Keith Demke      **PREPARER'S PHONE NUMBER** 355-1704

# City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer	Pebble Creek Golf Course Outfall Channel Stabilization	Priority 9 of 20	2015
<b>Description</b> Correction of erosion problems and stabilization of storm water outfall channel on Pebble Creek Golf Course. Down stream of area where channels from 19th Street and Oregon and outfall from Pebbleview converge.			
<b>Justification</b> Erosion is filling ponds on Golf Course and threatens to expose sanitary sewer.			
<b>Scheduling and Project Status</b>			
<b>Annual Impact on Income and Operating Costs</b>			
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Planning & Preliminary Design			<b>2019</b>
Engineering/Architectural	\$40,000		<b>2020</b>
Construction	\$250,000		<b>Total</b>
Land Acquisition			\$40,000
<b>Total</b>	<b>\$290,000</b>		<b>\$250,000</b>
			<b>\$290,000</b>
<b>Project Funding:</b>			
<b>City</b>			
Enterprise Construction Reserves	\$290,000		\$290,000
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>\$290,000</b>		<b>\$290,000</b>
<b>PREPARER</b> Keith Demke	<b>PREPARER'S PHONE NUMBER</b> 355-1704		

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer Tyler Coulee Channel Stabilization Priority 10 of 20 2015

**Description** Continuing erosion of channel in Tyler Coulee from increased peak flows and duration of flow.

**Justification** Continuing erosion is degrading channel, filling ponds and presents water quality problems.

**Scheduling and Project Status** Initial study to recommend solution followed by multi-year project to address specific areas of erosion.

**Annual Impact on Income and Operating Costs**

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$150,000	\$25,000		\$25,000	\$25,000	\$225,000
Construction		\$150,000		\$150,000	\$150,000	\$450,000
Land Acquisition						
<b>Total</b>	<b>\$150,000</b>	<b>\$175,000</b>		<b>\$175,000</b>	<b>\$175,000</b>	<b>\$675,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves	\$150,000	\$175,000		\$175,000	\$175,000	\$675,000
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>\$150,000</b>	<b>\$175,000</b>		<b>\$175,000</b>	<b>\$175,000</b>	<b>\$675,000</b>

**PREPARER** Keith Demke **PREPARER'S PHONE NUMBER** 355-1704



## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer	Pinehurst Outfall Repairs and Channel Stabilization	Priority 12 of 20	2015
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**Description** Erosion at outfalls and downstream channel in system that relieves flow from Pinehurst Shopping Center.

**Justification** Continuing erosion is degrading channel and filling detention pond.

**Scheduling and Project Status** Initial study to recommend solution followed by multi-year project to address specific areas of erosion.

**Annual Impact on Income and Operating Costs**

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural		\$30,000				\$30,000
Construction		\$250,000				\$250,000
Land Acquisition						
<b>Total</b>		<b>\$280,000</b>				<b>\$280,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves		\$280,000				\$280,000
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>\$280,000</b>				<b>\$280,000</b>

<b>PREPARER</b> Keith Demke	<b>PREPARER'S PHONE NUMBER</b> 355-1704
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## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer	Hay Creek Watershed - North Valley Channel Alignment	Priority	13	of	20	1st Year
<b>Description</b> Construct natural channel alignment.						
<b>Justification</b> Storm sewer required to handle storm water for future development.						
<b>Scheduling and Project Status</b>						
<b>Annual Impact on Income and Operating Costs</b>						
	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design						
Engineering/Architectural			\$60,000			\$60,000
Construction			\$600,000			\$600,000
Land Acquisition						
Total			\$660,000			\$660,000
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds			\$660,000			\$660,000
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
Total			\$660,000			\$660,000
<b>PREPARER</b> Keith Demke			<b>PREPARER'S PHONE NUMBER</b> 355-1704			

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer	Tyler Coulee - Valley Drive West Embankment	Priority	14	of	20	1st Year
<b>Description</b> Construction of storm water detention embankment on Valley Drive.						
<b>Justification</b> Control downstream storm water impacts within Tyler Coulee.						
<b>Scheduling and Project Status</b> Design 2007, Construction 2008 Project has been held up due to landowner issues and property acquisition.						
<b>Annual Impact on Income and Operating Costs</b>						
	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design			\$200,000			\$200,000
Engineering/Architectural			\$2,000,000			\$2,000,000
Construction						
Other (specify)						
<b>Total</b>			<b>\$2,200,000</b>			<b>\$2,200,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds			\$2,200,000			\$2,200,000
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$2,200,000</b>			<b>\$2,200,000</b>
<b>PREPARER</b> Keith Demke			<b>PREPARER'S PHONE NUMBER</b> 355-1704			

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer      Tyler Coulee - Tyler Parkway Embankment      Priority 15 of 20      1st Year

**Description**      Construction of storm water detention embankment on the future Tyler Parkway alignment.

**Justification**      Control downstream storm water impacts within Tyler Coulee.

**Scheduling and Project Status**      Design 2007, Construction 2008  
 Project has been held up due to landowner issues and property acquisition.

**Annual Impact on Income and Operating Costs**

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural			\$150,000			\$150,000
Construction			\$1,500,000			\$1,500,000
Other (specify)						
<b>Total</b>			<b>\$1,650,000</b>			<b>\$1,650,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds			\$1,650,000			\$1,650,000
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$1,650,000</b>			<b>\$1,650,000</b>

**PREPARER**      Keith Demke

**PREPARER'S PHONE NUMBER**      355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer Tyler Coulee - Overland Road Embankment Priority 16 of 20 1st Year

**Description** Improvements to the Overland Road Embankment.

**Justification** Control downstream storm water impacts within Tyler Coulee and meet requirements of the State Engineer.

**Scheduling and Project Status**

**Annual Impact on Income and Operating Costs**

<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
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>

**Project Funding:**

<b>City</b>	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds			\$165,000			\$165,000
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>			<b>\$165,000</b>			<b>\$165,000</b>

**PREPARER** Keith Demke

**PREPARER'S PHONE NUMBER** 355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer	Hay Creek Channel Cleaning and Culvert Repairs - Main Ave	Priority 17 of 20	2015
<b>Description</b> Amount of accumulated sediment upstream and down stream of Main Avenue box culvert. Wing walls have separated from culvert.			

**Justification** Sediment accumulation restricts flow through culvert and wing walls require repair.

**Scheduling and Project Status** Remove accumulated sediment, stabilize channel to prevent erosion and form new wing walls upstream and downstream

**Annual Impact on Income and Operating Costs**

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural			\$20,000			\$20,000
Construction			\$125,000			\$125,000
Land Acquisition						
<b>Total</b>			<b>\$145,000</b>			<b>\$145,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves			\$145,000			\$145,000
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>\$145,000</b>			<b>\$145,000</b>

**PREPARER** Keith Demke      **PREPARER'S PHONE NUMBER** 355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer Hay Creek/Centennial Watershed - Detention Carufell's Priority 18 of 20 1st Year

**Description** Regional Storm water detention in Carufell's watershed at I-94 and Hay Creek.

**Justification** Needed for future development and to correct existing deficiencies.

**Scheduling and Project Status**

**Annual Impact on Income and Operating Costs**

	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design				\$25,000		\$25,000
Engineering/Architectural				\$250,000		\$250,000
Construction						
Other (specify)						
<b>Total</b>				<b>\$275,000</b>		<b>\$275,000</b>

	2016	2017	2018	2019	2020	Total
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds				\$275,000		\$275,000
Other (specify)						

<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>				<b>\$275,000</b>		<b>\$275,000</b>

**PREPARER** Keith Demke **PREPARER'S PHONE NUMBER** 355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer	South Bismarck Channel -Sediment and Trash Removal Improvements	Priority 19 of 20	2015																																																																																				
<b>Description</b> Improve access and ease of removing sediment that accumulates at Denver outfall to storm channel. Add system to capture trash to keep it from accumulating at downstream culverts and eventually being carried to Missouri River.																																																																																							
<b>Justification</b> Water Quality Improvements																																																																																							
<b>Scheduling and Project Status</b> Remove accumulated sediment, stabilize channel to prevent erosion and form new wing walls upstream and downstream.																																																																																							
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<b>PREPARER</b> Keith Demke	<b>PREPARER'S PHONE NUMBER</b> 355-1704																																																																																						

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Storm Sewer	Hay Creek Channel Cleaning and Stabilization - Rosser Ave	Priority 20 of 20	2015			
<b>Description</b> Large amount of accumulated sediment upstream and down stream of Rosser Avenue box culvert.						
<b>Justification</b> Sediment accumulation restricts flow through culvert.						
<b>Scheduling and Project Status</b> Remove accumulated sediment and stabilize channel to prevent erosion.						
<b>Annual Impact on Income and Operating Costs</b>						
	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design					\$20,000	\$20,000
Engineering/Architectural					\$150,000	\$150,000
Construction						
Land Acquisition						
<b>Total</b>					<b>\$170,000</b>	<b>\$170,000</b>
<b>Project Funding:</b>						
<b>City</b>					\$170,000	\$170,000
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>\$170,000</b>	<b>\$170,000</b>
<b>PREPARER</b> Keith Demke	<b>PREPARER'S PHONE NUMBER</b> 355-1704					

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**UTILITY OPERATIONS - WASTEWATER TREATMENT PLANT**

Requested Project	Rank	Cost to be Funded	Funding		Projected Costs Per Year					
			Source	%	2016	2017	2018	2019	2020	
Phase 5 Imp (Trickling Filter Improv)	1	27,000,000	Revenue Bond	100	19,500,000	7,500,000	-	-	-	-
Phase 6 Imp (Flow Equalization)	2	3,600,000	Sewer Utility	100	-	-	-	250,000	3,350,000	-
Phase 7 Imp (Disinfection)	3	2,950,000	Sewer Utility	100	-	-	-	150,000	2,800,000	-
<b>TOTAL</b>		<b>33,550,000</b>			<b>19,500,000</b>	<b>7,500,000</b>	<b>-</b>	<b>400,000</b>	<b>6,150,000</b>	<b>-</b>
<b>NON-CITY FUNDING</b>		<b>-</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>33,550,000</b>			<b>19,500,000</b>	<b>7,500,000</b>	<b>-</b>	<b>400,000</b>	<b>6,150,000</b>	<b>6,150,000</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WWTP-Phase 5 Improvements (Trickling Filter Improvements)	Priority	1	of	3	1st Year
Description	Construction of new trickling filter, replacement of existing trickling filter distributors and media and pumping and construction of new pumping station.					
Justification						
Scheduling and Project Status	Award in 2015, construction start in 2015 (Est expend. \$2,000,000).					
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$1,000,000	\$500,000				\$1,500,000
Construction	\$18,500,000	\$7,000,000				\$25,500,000
Other (specify)						
<b>Total</b>	<b>\$19,500,000</b>	<b>\$7,500,000</b>				<b>\$27,000,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify) Revenue Bonds	\$19,500,000	\$7,500,000				\$27,000,000
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>	<b>\$19,500,000</b>	<b>\$7,500,000</b>				<b>\$27,000,000</b>
Keith Demke						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WWTP-Phase 6 Improvements ( Flow Equalization)	Priority	2 of 3	1st Year
Description Construction of additional flow equalization capacity.				
Justification				
Scheduling and Project Status				
Annual Impact on Income and Operating Costs				
<b>Project Costs:</b>				
Planning & Preliminary Design				Total
Engineering/Architectural		\$250,000		\$600,000
Construction			\$3,000,000	\$3,000,000
Other (specify)				
<b>Total</b>		<b>\$250,000</b>	<b>\$3,350,000</b>	<b>\$3,600,000</b>
<b>Project Funding:</b>				
<b>City</b>				
Enterprise Construction Reserves		\$250,000	\$3,350,000	\$3,600,000
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>\$250,000</b>	<b>\$3,350,000</b>	<b>\$3,600,000</b>
Keith Demke				
				355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Description	WWTP-Phase 7 Improvements ( Disinfection) Construction of new effluent disinfection system.	Priority	3 of 3	1st Year
Justification	Existing disinfection system is under sized and needs safety upgrades.			
Scheduling and Project Status				
Annual Impact on Income and Operating Costs				
<b>Project Costs:</b>				
Planning & Preliminary Design				Total
Engineering/Architectural			\$150,000	\$450,000
Construction			\$2,500,000	\$2,500,000
Other (specify)				
<b>Total</b>			<b>\$150,000</b>	<b>\$2,950,000</b>
<b>Project Funding:</b>				
<b>City</b>				
Enterprise Construction Reserves			\$150,000	\$2,950,000
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>\$150,000</b>	<b>\$2,950,000</b>
Keith Demke			355-1704	

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**UTILITY OPERATIONS - WATER DISTRIBUTION**

Requested Project	Rank	Cost to be Funded	Funding		2016	Projected Costs Per Year			
			Source	%		2017	2018	2019	2020
SCADA System Upgrade	1	1,750,000	Water Utility	100	800,000	950,000	-	-	-
Zone 2 Trunk Watermain & Storage	2	6,350,000	Water Utility	100	600,000	1,750,000	-	-	4,000,000
US 83 Watermain Extensions	3	1,775,000	Water Utility	85	750,000	750,000	-	-	-
			Private Donations	15	200,000	75,000	-	-	-
Canada(LaSalle)-Normandy Watermains	4	176,000	Water Utility	100	176,000	-	-	-	-
57th Ave Watermain-Zone 3	5	1,540,000	Water Utility	100	550,000	-	990,000	-	-
57th Ave Watermain-Zone 4	6	825,000	Water Utility	94	775,000	-	-	-	-
			Private Donations	6	50,000	-	-	-	-
Zone 3 & 4 Trunk Wrms Ash Coulee/State	7	495,000	Water Utility	100	495,000	-	-	-	-
43rd Ave Watermain Extensions	8	1,100,000	Water Utility	100	-	550,000	550,000	-	-
NW Area Watermain Extensions	9	1,100,000	Water Utility	91	-	500,000	-	500,000	-
			Private Donations	9	-	50,000	-	50,000	-
17th Ave Watermain Extensions	10	660,000	Water Utility	85	-	560,000	-	-	-
			Private Donations	15	-	100,000	-	-	-
43rd Ave Watermains	11	1,375,000	Water Utility	100	-	-	1,375,000	-	-
Zone 3 194 Crossing	12	800,000	Water Utility	100	-	-	800,000	-	-
Zone 3 Connection at 16th St Tower	13	825,000	Water Utility	100	-	-	275,000	-	550,000
Zone 3 Connection N 26th St	14	110,000	Water Utility	100	-	-	110,000	-	-
SE Trunk Watermain Extension	15	2,200,000	Water Utility	100	-	-	-	2,200,000	-
			Water Utility	100	-	-	-	770,000	-
71st Ave Watermain	16	770,000	Water Utility	100	-	-	-	770,000	-
Metro Industrial Park Watermains	17	330,000	Water Utility	100	-	-	-	330,000	-
S 12th St Zone 1 Watermain Loop	18	330,000	Water Utility	100	-	-	-	-	330,000
Ash Coulee Zone 3 Reservoir	19	3,400,000	Water Utility	100	-	-	-	-	3,400,000
Valley Drive Trunk Watermain	20	330,000	Water Utility	100	-	-	-	-	330,000
<b>TOTAL</b>		<b>26,241,000</b>			<b>4,396,000</b>	<b>5,285,000</b>	<b>4,100,000</b>	<b>3,850,000</b>	<b>8,610,000</b>
NON-CITY FUNDING		525,000			250,000	225,000	-	50,000	-
<b>TOTAL CITY FUNDING</b>		<b>25,716,000</b>			<b>4,146,000</b>	<b>5,060,000</b>	<b>4,100,000</b>	<b>3,800,000</b>	<b>8,610,000</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	SCADA System Upgrade - Water Distribution System	Priority	1 of 20	1st Year: 2005		
Description Update the current SCADA system which is functionally obsolete. Work would include a system evaluation/needs assessment. which would be followed by a Master Plan, design and installation of new equipment. Systems integration would be provided by the designer as a professional services contract. Work would be done in conjunction with upgrade of the sanitary sewer collection system SCADA system.						
Justification						
Scheduling and Project Status System evaluation/needs assessment/design in 2016 with construction in 2016-17.						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design	\$100,000					\$100,000
Engineering/Architectural	\$150,000					\$150,000
Construction	\$500,000	\$800,000				\$1,300,000
Other (System integration)	\$50,000	\$150,000				\$200,000
<b>Total</b>	<b>\$800,000</b>	<b>\$950,000</b>				<b>\$1,750,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$800,000	\$950,000				\$1,750,000
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>\$800,000</b>	<b>\$950,000</b>				<b>\$1,750,000</b>
Keith Demke						
						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Zone 2 Trunk Watermain & Storage	Priority	2	of	20	1999
Description	Zone 2: North 19th St from Divide to Century(2001), N 19th St north of Pebble Creek to 43rd Ave(2002), west to reservoir site at State Street (2001), Crossing at Divide Ave & State St (2002) and State St to 16th St (2004) & storage (2008-10). Pump station to supply Zones 3 & 4 to supply Zones 3 & 4 to be built at State St. & 43rd Avenue. Construct pump station in 2015, reservoir at future date when demand requires.					
Justification	Increased development in northeast Bismarck requires additional delivery capacity and storage.					
Scheduling and Project Status	Coordinate construction with State St project ( see Description for schedule).					
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$200,000	\$150,000			\$500,000	\$850,000
Construction	\$400,000	\$1,600,000			\$3,500,000	\$5,500,000
Other (specify)						
<b>Total</b>	<b>\$600,000</b>	<b>\$1,750,000</b>				<b>\$2,350,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$600,000	\$1,750,000			\$4,000,000	\$6,350,000
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>\$600,000</b>	<b>\$1,750,000</b>			<b>\$4,000,000</b>	<b>\$6,350,000</b>
Keith Demke						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	US 83 Watermain Extensions	Priority	3 of 20	2005		
Description	Extension of 16 inch watermain north on both sides of US 83 to 1804 (71st Ave) approx 6000 feet each.					
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design						
Engineering/Architectural	\$100,000	\$75,000				\$175,000
Construction	\$850,000	\$750,000				\$1,600,000
Other (specify)						
<b>Total</b>	<b>\$950,000</b>	<b>\$825,000</b>				<b>\$1,775,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$750,000	\$750,000				\$1,500,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations	\$200,000	\$75,000				\$275,000
Federal Grant						
State Grant						
<b>Total</b>	<b>\$950,000</b>	<b>\$825,000</b>				<b>\$1,775,000</b>
Keith Demke						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Canada(LaSalle)-Normandy Watermains Priority 4 of 20 2005

Description Complete Zone 3, 12 inch trunk watermain on Normandy from 43rd Ave to 57th Ave.

Justification

Scheduling and Project Status

Annual Impact on Income and Operating Costs

**Project Costs:**

	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$16,000					\$16,000
Construction	\$160,000					\$160,000
Other (specify)						
<b>Total</b>	<b>\$176,000</b>					<b>\$176,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves	\$176,000					\$176,000
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>\$176,000</b>					<b>\$176,000</b>

Keith Demke

355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	57th Ave Watermain - Zone 3	Priority	5	of	20	2012
Description	Extension of Zone 3 16 inch watermain on 57th Ave from Washington to Normandy, approx 3000 feet and extension from Washington St. west to 15th St, approx.					
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$50,000		\$90,000			\$140,000
Construction	\$500,000		\$900,000			\$1,400,000
Other (specify)						
<b>Total</b>	<b>\$550,000</b>		<b>\$990,000</b>			<b>\$1,540,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$550,000		\$990,000			\$1,540,000
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>\$550,000</b>		<b>\$990,000</b>			<b>\$1,540,000</b>
Keith Demke						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works Description	57th Ave Watermain - Zone 4 Extension of Zone 4 12 inch watermain on 57th Ave from Washington to near 15th St, approx 4600 feet.	Priority	6 of 20	2012
Justification				
Scheduling and Project Status				
Annual Impact on Income and Operating Costs				
<b>Project Costs:</b>				
Planning & Preliminary Design				
Engineering/Architectural	\$75,000			\$75,000
Construction	\$750,000			\$750,000
Other (specify)				
<b>Total</b>	<b>\$825,000</b>			<b>\$825,000</b>
<b>Project Funding:</b>				
<b>City</b>				
Enterprise Construction Reserves	\$775,000			\$775,000
Motel/Liquor/Restaurant				
Building Construction				
Sales Tax Fund				
Special Assessment Bonds				
Other (specify)				
<b>Non-City</b>				
Private/Donations	\$50,000			\$50,000
Federal Grant				
State Grant				
<b>Total</b>	<b>\$825,000</b>			<b>\$825,000</b>
Keith Demke			355-1704	

## City of Bismarck Capital Improvement Project 2016- 2020

Public Works	Zone 3 & 4 Trunk Watermains from Ash Coulee Tower Site to State St on 43rd Ave	Priority	7 of 20	2002		
Description	Construction of watermain extensions on 43rd Ave to ultimately connect new pump station at State St & 43rd Ave to feed Zones 3 & 4, including feed to new reservoir at Ash Coulee site.					
Justification						
Scheduling and Project Status	As part on N. Washington St project.					
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$45,000					\$45,000
Construction	\$450,000					\$450,000
Other (specify)						
<b>Total</b>	<b>\$495,000</b>					<b>\$495,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$495,000					\$495,000
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>\$495,000</b>					<b>\$495,000</b>
Keith Demke						
						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	43rd Ave Watermain Extensions - East of Centennial Road	Priority	8	of	20	2005
Description	Extension of 24 inch water on 43rd Ave to 52nd Street.					
Justification						
Scheduling and Project Status	43rd Ave to Roosevelt (2017), Roosevelt to 52nd Street (2018).					
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural		\$50,000	\$50,000			\$100,000
Construction		\$500,000	\$500,000			\$1,000,000
Other (specify)						
Total		\$550,000	\$550,000			\$1,100,000
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$550,000	\$550,000			\$1,100,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
Total		\$550,000	\$550,000			\$1,100,000
Keith Demke						
						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	NW Area WM Extensions	Priority	9 of 20	2012			
Description Extension of watermains north of Promontory Pt area and east to cross Tyler Coulee. Timing and location will depend on master plan update and timing of development.							
Justification							
Scheduling and Project Status							
Annual Impact on Income and Operating Costs							
<b>Project Costs:</b>							
		2016	2017	2018	2019	2020	Total
Planning & Preliminary Design							
Engineering/Architectural			\$50,000		\$50,000		\$100,000
Construction			\$500,000		\$500,000		\$1,000,000
Other (specify)							
<b>Total</b>			<b>\$550,000</b>		<b>\$550,000</b>		<b>\$1,100,000</b>
<b>Project Funding:</b>							
<b>City</b>							
Enterprise Construction Reserves			\$500,000		\$500,000		\$1,000,000
Motel/Liquor/Restaurant							
Building Construction							
Sales Tax Fund							
Special Assessment Bonds							
Other (specify)							
<b>Non-City</b>							
Private/Donations			\$50,000		\$50,000		\$100,000
Federal Grant							
State Grant							
<b>Total</b>			<b>\$550,000</b>		<b>\$550,000</b>		<b>\$1,100,000</b>
Keith Demke						355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	17th Ave (New Divide Ave) WM Extensions - Centennial to 66th St	Priority 10 of 20	2014			
Description	Extension of 20 inch watermain on 17th Ave (New Divide) from 52nd St to 66th St & north to Training Center site, approx 7500 feet (2015) also extension from Centennial Road to 52nd Ave (3600 ft).					
Justification	Need to provide service to new training center and potential growth areas on 66th St and Section 36 for new development.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural		\$60,000				\$60,000
Construction		\$600,000				\$600,000
Other (specify)						
<b>Total</b>		<b>\$660,000</b>				<b>\$660,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$560,000				\$560,000
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify)						
<b>Non-City</b>						
Private/Donations		\$100,000				\$100,000
Federal Grant						
State Grant						
<b>Total</b>		<b>\$660,000</b>				<b>\$660,000</b>
Keith Demke						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	43rd Ave Watermains	Priority	11 of 20	2005		
Description Zone 2 & 3 trunk watermain extensions on 43rd Ave east of State St to Nebraska 4400 LF of 24", 2700 LF of 16".						
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural			\$125,000			\$125,000
Construction			\$1,250,000			\$1,250,000
Other (specify)						
<b>Total</b>			<b>\$1,375,000</b>			<b>\$1,375,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$1,375,000			\$1,375,000
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>\$1,375,000</b>			<b>\$1,375,000</b>
Keith Demke					355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Zone 3 194 Crossing	Priority	12 of 20	2013		
<b>Description</b>	Construction of second trunk main crossing 194 near Pinehurst for additional capacity and redundancy. Also would provide connection to Zone 5 which would eliminate need for booster pumping.					
<b>Justification</b>	Added redundancy and supply capacity for Zone 3 distribution system north of 194 & elimination of booster pumping for Zone 5.					
<b>Scheduling and Project Status</b>						
<b>Annual Impact on Income and Operating Costs</b>						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural			\$100,000			\$100,000
Construction			\$700,000			\$700,000
Other (specify)						
<b>Total</b>			<b>\$800,000</b>			<b>\$800,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$800,000			\$800,000
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>\$800,000</b>			<b>\$800,000</b>
Keith Demke		355-1704				

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Zone 3 Connection at 16th St Tower	Priority	13 of	20	2014	
Description	Construction of additional connection to Zone 3 to provide redundant connection for to Zone 3 service area along N 26th St (Hilview area). Construct 12 inch watermain from 16th St tower along Kennedy Ave to 23rd and across Divide at 23rd. Build in phases to correspond to street work.					
Initial connection and crossings at 19th and 23rd and Divide in 2015, remainder of 12" main in 2019.						
Justification	Added redundancy and supply capacity for Zone 3 area that has a number of elder care facilities.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural			\$25,000		\$50,000	\$75,000
Construction			\$250,000		\$500,000	\$750,000
Other (specify)						
<b>Total</b>			<b>\$275,000</b>		<b>\$550,000</b>	<b>\$825,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$275,000		\$550,000	\$825,000
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>\$275,000</b>		<b>\$550,000</b>	<b>\$825,000</b>
Keith Demke						
						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Zone 3 Connection N 26th St (N of Divide)	Priority	14	of	20	2014
Description	Construction of connection to Zone 3 for 26th St north of Divide Ave.					
Justification	Current pressures are inadequate. Will allow switch to next pressure zone.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural			\$10,000			\$10,000
Construction			\$100,000			\$100,000
Other (specify)						
<b>Total</b>			<b>\$110,000</b>			<b>\$110,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$110,000			\$110,000
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>\$110,000</b>			<b>\$110,000</b>
Keith Demke					355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	SE Trunk Watermain Extension	Priority	15 of	20	1999	
Description	Trunk watermain extension north and east of Sec 11, T138W, R80N and around east and south edge of airport. Initial stages provide service in NPCC area.					
Justification	Provide water service to SE development areas, including NPCC and City of Lincoln. Complete loop around Airport. Complete loop from Morrison Ave north to fairgrounds area.					
Scheduling and Project Status	Morrison to Hamburg (2019)					
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural				\$200,000		\$200,000
Construction				\$2,000,000		\$2,000,000
Other (specify)						
<b>Total</b>				<b>\$2,200,000</b>		<b>\$2,200,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves				\$2,200,000		\$2,200,000
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>\$2,200,000</b>		<b>\$2,200,000</b>
Keith Demke					355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	71st Ave Watermain	Priority	16 of 20	2012		
Description	Extension of 16 inch watermain on 71st Ave between Washington and HWY 83, approx 5000 feet.					
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural				\$70,000		\$70,000
Construction				\$700,000		\$700,000
Other (specify)						
<b>Total</b>				<b>\$770,000</b>		<b>\$770,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves				\$770,000		\$770,000
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>\$770,000</b>		<b>\$770,000</b>
Keith Demke		355-1704				

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Metro Industrial Park Watermains	Priority	17 of 20	2005		
Description	Extension of 24 inch water on 1804 and construction of 12 inch mains to serve Metro Ind Park.					
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design						
Engineering/Architectural				\$30,000		\$30,000
Construction				\$300,000		\$300,000
Other (specify)						
<b>Total</b>				<b>\$330,000</b>		<b>\$330,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves				\$330,000		\$330,000
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>\$330,000</b>		<b>\$330,000</b>
Keith Demke					355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	S 12th St Zone 1 Watermain Loop	Priority 18 of 20	2008			
Description	Completion of 16 inch watermain loop on S 12th St from Santa Fe Ave to 1600' north of Burleigh Ave. Total length of 2800 feet.					
Justification	Added redundancy and supply capacity for south Bismarck distribution system area.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design					\$30,000	\$30,000
Engineering/Architectural					\$300,000	\$300,000
Construction						
Other (specify)						
<b>Total</b>					<b>\$330,000</b>	<b>\$330,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves					\$330,000	\$330,000
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>\$330,000</b>	<b>\$330,000</b>
Keith Demke		355-1704				

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Ash Coulee Zone 3 Reservoir	Priority 19 of 20	2013
Description Construction of Zone 3 - 2 Mgal underground storage reservoir at Ash Coulee site.			
Justification Additional storage is required in Zone 3 with increased growth in North Bismarck.			
Scheduling and Project Status			
Annual Impact on Income and Operating Costs			
<b>Project Costs:</b>			
Planning & Preliminary Design			Total
Engineering/Architectural		\$400,000	\$400,000
Construction		\$3,000,000	\$3,000,000
Other (specify)			
<b>Total</b>		<b>\$3,400,000</b>	<b>\$3,400,000</b>
<b>Project Funding:</b>			
<b>City</b>			
Enterprise Construction Reserves		\$3,400,000	\$3,400,000
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>\$3,400,000</b>	<b>\$3,400,000</b>
Keith Demke		355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Valley Drive Trunk Watermain	Priority	20	of	20	2000
Description    Extension of permanent watermain across Tyler Coulee west to the Promontory Pt area. Timing will depend on construction of storm water detention facility on Valley Drive.						
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						Total
Planning & Preliminary Design						\$30,000
Engineering/Architectural						\$300,000
Construction						
Other (specify)						
<b>Total</b>						<b>\$330,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						\$330,000
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>\$330,000</b>
Keith Demke						
						355-1704

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**UTILITY OPERATIONS - WATER DISTRIBUTION (Watermain Replacement)**

Requested Project	Rank	Cost to be Funded	Funding		2016	Projected Costs Per Year			
			Source	%		2017	2018	2019	2020
Valve Replacements	1	1,265,000	Water Utility	100	220,000	220,000	275,000	275,000	275,000
Valley View HS Area	2	412,500	Water Utility	100	412,500	-	-	-	-
E Ave F St HS Area	3	71,500	Water Utility	100	71,500	-	-	-	-
27th St, Gary & Ave B HS Area	4	247,500	Water Utility	100	247,500	-	-	-	-
N 15th & Spaulding HS	5	192,500	Water Utility	100	192,500	-	-	-	-
N 20th St HS (Laforest-Hanaford)	6	115,500	Water Utility	100	115,500	-	-	-	-
N 21th St HS (Laforest-Hanaford)	7	115,500	Water Utility	100	115,500	-	-	-	-
N 22nd St HS (Laforest-Hanaford)	8	115,500	Water Utility	100	115,500	-	-	-	-
Laforest Ave HS (20th-22nd St)	9	126,500	Water Utility	100	126,500	-	-	-	-
Hanaford Ave HS (20th-22nd St)	10	66,000	Water Utility	100	66,000	-	-	-	-
Sweet Ave HS (3rd St to 5th St)	11	93,500	Water Utility	100	-	93,500	-	-	-
Front Ave & 1st St HS	12	137,500	Water Utility	100	-	137,500	-	-	-
W Bowen Ave HS (Anderson to Meadow)	13	137,500	Water Utility	100	-	137,500	-	-	-
S Hannifin St HS (Memrl Hwy to Sweet Av	14	93,500	Water Utility	100	-	93,500	-	-	-
W Sweet Ave HS (Rvsvd Pk to E Hannifin)	15	247,500	Water Utility	100	-	247,500	-	-	-
Garden Dr HS	16	121,000	Water Utility	100	-	121,000	-	-	-
N 18th St (Braman to Divide)	17	231,000	Water Utility	100	-	-	231,000	-	-
N 14th St (N Boulevard-Hanaford)	18	115,500	Water Utility	100	-	-	115,500	-	-
Schafer St (Raven-Canary)	19	148,500	Water Utility	100	-	-	-	148,500	-
N 24th St & Ave C (Ave A to 26th St)	20	308,000	Water Utility	100	-	-	-	308,000	-
Teton Ave (2nd-3rd)	21	110,000	Water Utility	100	-	-	-	110,000	-
19th-20th & E Ave D & Loop to Ave E	22	165,000	Water Utility	100	-	-	-	-	165,000
Reroute 20th-22nd St @ E Ave A	23	247,500	Water Utility	100	-	-	-	-	247,500
N 7th St (Rosser to Ave B)	24	165,000	Water Utility	100	-	-	-	-	165,000
N 9th St	28	198,000	Water Utility	100	-	-	-	-	198,000
<b>TOTAL</b>		<b>5,247,000</b>			<b>1,683,000</b>	<b>1,050,500</b>	<b>621,500</b>	<b>841,500</b>	<b>1,050,500</b>
NON-CITY FUNDING		-			-	-	-	-	-
<b>TOTAL CITY FUNDING</b>		<b>5,247,000</b>			<b>1,683,000</b>	<b>1,050,500</b>	<b>621,500</b>	<b>841,500</b>	<b>1,050,500</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	Water Distribution Valve Replacement - Multi-Year	Priority	1 of 25	1st Year: 2010
Description Replacement of valves throughout distribution system.				
Justification Replacement of inoperable valves throughout distribution system.				
Scheduling and Project Status				
Annual Impact on Income and Operating Costs				
<b>Project Costs:</b>				
Planning & Preliminary Design				
Engineering/Architectural	\$20,000	\$20,000	\$25,000	\$25,000
Construction	\$200,000	\$200,000	\$250,000	\$250,000
Other (specify)				
<b>Total</b>	<b>\$220,000</b>	<b>\$220,000</b>	<b>\$275,000</b>	<b>\$275,000</b>
<b>Project Funding:</b>				
City				
Enterprise Construction Reserves	\$220,000	\$220,000	\$275,000	\$275,000
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>\$220,000</b>	<b>\$220,000</b>	<b>\$275,000</b>	<b>\$275,000</b>
Total \$1,265,000				
Keith Demke			355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works WM Replacement - Valley View Ave Hard Surface St Area Priority 2 of 25 1st Year: 2009

Description 3600 ft of Watermain Replacement Valley View Ave, 28th & 29th St and Ave D, E and F as Part of Hard Surface St Project.

Justification Replacement of cast iron watermain in poor condition.

Scheduling and Project Status

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$37,500					\$37,500
Construction	\$375,000					\$375,000
Other (specify)						
<b>Total</b>	<b>\$412,500</b>					<b>\$412,500</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves	\$412,500					\$412,500
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>\$412,500</b>					<b>\$412,500</b>

Keith Demke

355-1704

# City of Bismarck Capital Improvement Project 2016 - 2020

Public Works WM New Zone 3 Main - E Ave F Hard Surface St Area Priority 3 of 25 1st Year: 2013

Description 400 ft of new 12" watermain on E Ave F.

Justification New main to create Zone 3 loop.

Scheduling and Project Status

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$6,500					\$6,500
Construction	\$65,000					\$65,000
Other (specify)						
<b>Total</b>	<b>\$71,500</b>					<b>\$71,500</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves	\$71,500					\$71,500
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>\$71,500</b>					<b>\$71,500</b>

Keith Demke

355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - 27th St, Gary & Ave B Hard Surface St Area	Priority	4	of	25	1st Year: 2009
Description	2300 ft of watermain replacement Gary Ave, 27th St and Ave B as part of Hard Surface St Project.					
Justification	Replacement of cast iron watermain in poor condition.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						\$22,500
Engineering/Architectural	\$22,500					\$22,500
Construction	\$225,000					\$225,000
Other (specify)						
<b>Total</b>	<b>\$247,500</b>					<b>\$247,500</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$247,500					\$247,500
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>\$247,500</b>					<b>\$247,500</b>
Keith Demke						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - N 15th St (South of Spaulding) & Spaulding	Priority	5	of	25	1st Year: 2009
Description	Replacement of 570 ft of 6 inch cast iron watermain as part of Hard Surface St Project and 800' of new 8" pvc on Spaulding.					
Justification	Replacement of cast iron watermain with history of excessive number of breaks and looping system.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$17,500					\$17,500
Construction	\$175,000					\$175,000
Other (specify)						
<b>Total</b>	<b>\$192,500</b>					<b>\$192,500</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$192,500					\$192,500
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>\$192,500</b>					<b>\$192,500</b>
Keith Demke					355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works WM Replacement - N 20th St (Laforest - Hanaford) Priority 6 of 25 1st Year: 2009

Description Replacement of 880 ft of 6 inch cast iron watermain as part of Hard Surface St Project.

Justification Replacement of cast iron watermain with history of excessive number of breaks.

Scheduling and Project Status

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural	\$10,500					\$10,500
Construction	\$105,000					\$105,000
Other (specify)						
<b>Total</b>	<b>\$115,500</b>					<b>\$115,500</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
Enterprise Construction Reserves	\$115,500					\$115,500
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>\$115,500</b>					<b>\$115,500</b>

Keith Demke

355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - N 21st St (Laforest - Hanaford)	Priority 7	of 25	1st Year: 2009
Description Replacement of 880 ft of 6 inch cast iron watermain as part of Hard Surface St Project.				
Justification Replacement of cast iron watermain with history of excessive number of breaks.				
Scheduling and Project Status				
Annual Impact on Income and Operating Costs				
<b>Project Costs:</b>				
Planning & Preliminary Design				Total
Engineering/Architectural	\$10,500			\$10,500
Construction	\$105,000			\$105,000
Other (specify)				
<b>Total</b>	<b>\$115,500</b>			<b>\$115,500</b>
<b>Project Funding:</b>				
<b>City</b>				
Enterprise Construction Reserves	\$115,500			\$115,500
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>\$115,500</b>			<b>\$115,500</b>
Keith Demke			355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - N 22nd St (Laforest - Hanaford)	Priority	8	of	25	1st Year: 2009
Description	Replacement of 890 ft of 6 inch cast iron watermain as part of Hard Surface St Project.					
Justification	Replacement of cast iron watermain with history of excessive number of breaks.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural	\$10,500					\$10,500
Construction	\$105,000					\$105,000
Other (specify)						
<b>Total</b>	<b>\$115,500</b>					<b>\$115,500</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$115,500					\$115,500
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>\$115,500</b>					<b>\$115,500</b>
Keith Demke						
						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - Laforest Ave (20th - 22nd St) & New Main 19th to 20th	Priority	9	of	25	1st Year: 2009
Description	Replacement of 600 ft of 6 inch cast iron watermain and addition of 350 of new main as part of Hard Surface St Project.					
Justification	Replacement of cast iron watermain with history of excessive number of breaks and addition of extra zone 3 connection for redundancy.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						\$11,500
Engineering/Architectural	\$11,500					\$115,000
Construction	\$115,000					
Other (specify)						
<b>Total</b>	<b>\$126,500</b>					<b>\$126,500</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$126,500					\$126,500
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>\$126,500</b>					<b>\$126,500</b>
Keith Demke						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - Hanaford Ave (20th - 22nd St)	Priority	10	of	25	1st Year: 2009
Description Replacement of 560 ft of 6 inch cast iron watermain as part of Hard Surface St Project.						
Justification Replacement of cast iron watermain with history of excessive number of breaks.						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
Planning & Preliminary Design						
Engineering/Architectural	\$6,000					\$6,000
Construction	\$60,000					\$60,000
Other (specify)						
<b>Total</b>	<b>\$66,000</b>					<b>\$66,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves	\$66,000					\$66,000
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>\$66,000</b>					<b>\$66,000</b>
Keith Demke						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement Sweet Ave (3rd St to 5th St)	Priority	11 of 25	1st Year: 2009		
Description	Replacement of 750 ft of 8 inch cast iron watermain as part of Hard Surface St Project.					
Justification	Replacement of cast iron watermain in poor condition.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural		\$8,500				\$8,500
Construction		\$85,000				\$85,000
Other (specify)						
<b>Total</b>		<b>\$93,500</b>				<b>\$93,500</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$93,500				\$93,500
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>\$93,500</b>				<b>\$93,500</b>
Keith Demke		355-1704				

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement Front Ave & 1st St (Washington St to 1st St/Front to Sweet)	Priority	12 of 25	1st Year: 2009
Description Replacement of 1200 ft of 6 inch cast iron watermain as part of Hard Surface St Project.				
Justification Replacement of cast iron watermain in poor condition.				
Scheduling and Project Status				
Annual Impact on Income and Operating Costs				
<b>Project Costs:</b>				
Planning & Preliminary Design				Total
Engineering/Architectural	\$12,500			\$12,500
Construction	\$125,000			\$125,000
Other (specify)				
<b>Total</b>	<b>\$137,500</b>			<b>\$137,500</b>
<b>Project Funding:</b>				
<b>City</b>				
Enterprise Construction Reserves	\$137,500			\$137,500
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>\$137,500</b>			<b>\$137,500</b>
Keith Demke			355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement-W Bowen Ave (Anderson St to 200' west of Meadow Ln)	Priority 13	of 25	1st Year: 2009
Description Replacement of 1200 ft of 6 inch cast iron watermain as part of Hard Surface St Project.				
Justification Replacement of cast iron watermain in poor condition.				
Scheduling and Project Status				
Annual Impact on Income and Operating Costs				
<b>Project Costs:</b>				
Planning & Preliminary Design				Total
Engineering/Architectural	\$12,500			\$12,500
Construction	\$125,000			\$125,000
Other (specify)				
<b>Total</b>	<b>\$137,500</b>			<b>\$137,500</b>
<b>Project Funding:</b>				
<b>City</b>				
Enterprise Construction Reserves	\$137,500			\$137,500
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>\$137,500</b>			<b>\$137,500</b>
Keith Demke			355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - S Hannifin St (Memorial Hwy to Sweet Av)	Priority 14	of 25	1st Year: 2009		
Description	Replacement of 800 ft of 8 inch cast iron watermain as part of Hard Surface St Project.					
Justification	Replacement of cast iron watermain in poor condition.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural		\$8,500				\$8,500
Construction		\$85,000				\$85,000
Other (specify)						
<b>Total</b>		<b>\$93,500</b>				<b>\$93,500</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$93,500				\$93,500
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>\$93,500</b>				<b>\$93,500</b>
Keith Demke						
						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - W Sweet Ave (Riverside Pk Rd to 300' East of Hannifin)	Priority	15 of 25	1st Year: 2009		
Description	Replacement of 2200 ft of 6 & 8 inch cast iron watermain as part of Hard Surface St Project.					
Justification	Replacement of cast iron watermain in poor condition.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural		\$22,500				\$22,500
Construction		\$225,000				\$225,000
Other (specify)						
<b>Total</b>		<b>\$247,500</b>				<b>\$247,500</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$247,500				\$247,500
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>\$247,500</b>				<b>\$247,500</b>
Keith Demke						
						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - Garden Dr	Priority 16	of 25	1st Year: 2009		
Description	Replacement of 1100 ft of 6 inch cast iron watermain as part of Hard Surface St Project.					
Justification	Replacement of cast iron watermain in poor condition.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
	2016	2017	2018	2019	2020	Total
<b>Project Costs:</b>						
Planning & Preliminary Design						
Engineering/Architectural		\$11,000				\$11,000
Construction		\$110,000				\$110,000
Other (specify)						
<b>Total</b>		<b>\$121,000</b>				<b>\$121,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves		\$121,000				\$121,000
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>\$121,000</b>				<b>\$121,000</b>
Keith Demke						
						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - N 18th St (Braman to Divide)	Priority 17 of 25	1st Year: 2014			
Description	Replacement of 1200 ft of 6 inch cast iron watermain.					
Justification	Replacement of cast iron watermain with history of excessive number of breaks.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural			\$21,000			\$21,000
Construction			\$210,000			\$210,000
Other (specify)						
<b>Total</b>			<b>\$231,000</b>			<b>\$231,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$231,000			\$231,000
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>\$231,000</b>			<b>\$231,000</b>
Keith Demke		355-1704				

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - N 14th St (N of Boulevard to Hanaford)	Priority	18 of 25	1st Year: 2014
Description Replacement of 700 ft of 6 inch cast iron watermain.				
Justification Replacement of cast iron watermain with history of excessive number of breaks.				
Scheduling and Project Status				
Annual Impact on Income and Operating Costs				
<b>Project Costs:</b>				
Planning & Preliminary Design				
Engineering/Architectural		\$10,500		\$10,500
Construction		\$105,000		\$105,000
Other (specify)				
<b>Total</b>		<b>\$115,500</b>		<b>\$115,500</b>
<b>Project Funding:</b>				
<b>City</b>				
Enterprise Construction Reserves		\$115,500		\$115,500
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>\$115,500</b>		<b>\$115,500</b>
Keith Demke			355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - Schafer St (Raven - Canary)	Priority 19 of 25	1st Year: 2014			
Description	Replacement of 780 ft of cast iron watermain.					
Justification	Replacement of corroded cast iron watermain with history of breaks					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design				\$13,500		\$13,500
Engineering/Architectural Construction				\$135,000		\$135,000
Other (specify)						
<b>Total</b>				<b>\$148,500</b>		<b>\$148,500</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves				\$148,500		\$148,500
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>\$148,500</b>		<b>\$148,500</b>
Keith Demke						
					355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - N 24th St & Ave C (Ave A to 26th St)	Priority 20	of 25	1st Year: 2014		
Description Replacement of 1700 ft of 6 inch cast iron watermain.						
Justification Replacement of cast iron watermain with history of excessive number of breaks.						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural				\$28,000		\$28,000
Construction				\$280,000		\$280,000
Other (specify)						
<b>Total</b>				<b>\$308,000</b>		<b>\$308,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves				\$308,000		\$308,000
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>\$308,000</b>		<b>\$308,000</b>
Keith Demke					355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - Teton Ave (2nd - 3rd)	Priority	21	of	25	1st Year: 2014
Description	Replacement of 600 ft of 6 inch cast iron watermain.					
Justification	Replacement of corroded cast iron watermain.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural				\$10,000		\$10,000
Construction				\$100,000		\$100,000
Other (specify)						
<b>Total</b>				<b>\$110,000</b>		<b>\$110,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves				\$110,000		\$110,000
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>\$110,000</b>		<b>\$110,000</b>
Keith Demke					355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works WM Replacement - New Loop; 19th - 20th & E Ave D & Loop to Ave E Priority 22 of 25 1st Year: 2015

Description 880 ft of 8 inch watermain.

Justification Replacement of undersized and corroded cast iron watermain and creation of loop.

Scheduling and Project Status

Annual Impact on Income and Operating Costs

Project Costs:	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design					\$15,000	\$15,000
Engineering/Architectural					\$150,000	\$150,000
Construction						
Other (specify)						
<b>Total</b>					<b>\$165,000</b>	<b>\$165,000</b>

**Project Funding:**

City	2016	2017	2018	2019	2020	Total
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>

Keith Demke

355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - Reroute 20th -22nd St @ E Ave A	Priority	23	of	25	1st Year: 2015
Description Construction of 1100 feet of 10 inch watermain to replace 2 blocks of cast iron main and create a new Zone 2 loop that will allow the abandonment of approximately 700 feet of old cast iron main that is located in an easement through yards in a residential area.						
Justification Replacement of old cast iron watermain that is located in an area where access for repairs is difficult and potential for property damage is high.						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>						
Planning & Preliminary Design						Total
Engineering/Architectural					\$22,500	\$22,500
Construction					\$225,000	\$225,000
Other (specify)						
<b>Total</b>					<b>\$247,500</b>	<b>\$247,500</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves					\$247,500	\$247,500
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>\$247,500</b>	<b>\$247,500</b>
Keith Demke					355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - N 7th St (Rosser to Ave B)	Priority	24	of	25	1st Year: 2014
Description	Replacement of 740 ft of 4 & 6 inch cast iron watermain.					
Justification	Replacement of undersized and corroded cast iron watermain.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</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>
Keith Demke						355-1704

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works	WM Replacement - N 9th St	Priority	25	of	25	1st Year: 2007
Description	Replacement of 900 ft of 8 inch cast iron watermain. N 9th St from Ave D to Ave F.					
Justification	Replacement of cast iron watermain in poor condition.					
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Planning & Preliminary Design						
Engineering/Architectural					\$18,000	\$18,000
Construction					\$180,000	\$180,000
Other (specify)						
<b>Total</b>					<b>\$198,000</b>	<b>\$198,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves					\$198,000	\$198,000
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>\$198,000</b>	<b>\$198,000</b>
Keith Demke					355-1704	

**CAPITAL IMPROVEMENT PROGRAM (2016-2020)**  
**UTILITY OPERATIONS - WATER TREATMENT PLANT**

Requested Project	Rank	Cost to be Funded	Funding Source		2016	Projected Costs Per Year			
			Revenue Bond	Water Utility		2017	2018	2019	2020
Softening Expansion Phase 1	1	2,150,000	100		2,150,000	-	-	-	-
Security System	2	85,000	100		-	-	85,000	-	-
<b>TOTAL</b>		<b>2,235,000</b>			<b>2,150,000</b>	<b>-</b>	<b>85,000</b>	<b>-</b>	<b>-</b>
<b>NON-CITY FUNDING</b>		<b>-</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL CITY FUNDING</b>		<b>2,235,000</b>			<b>2,150,000</b>	<b>-</b>	<b>85,000</b>	<b>-</b>	<b>-</b>

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works- Utility Operations	Water Plant- Softening Expansion Phase 1	Priority	1	of	2	1st Year: 2003
Description Construction of new 12 MGD softening basin and support facilities to increase softening capacity to 30 MGD. Includes improvements to recarbonation basin and additional plate & frame press.						
Justification Required to maintain hardness levels at customer expectations as plant production increases in the future.						
Scheduling and Project Status Design in 2012-2013, Construction in 2014-2016.						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>		<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Planning & Preliminary Design						Total
Engineering/Architectural		\$150,000				\$150,000
Construction		\$2,000,000				\$2,000,000
Other (specify)						
<b>Total</b>		<b>\$2,150,000</b>				<b>\$2,150,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves						
Motel/Liquor/Restaurant						
Building Construction						
Sales Tax Fund						
Special Assessment Bonds						
Other (specify) Revenue Bond		\$2,150,000				\$2,150,000
<b>Non-City</b>						
Private/Donations						
Federal Grant						
State Grant						
<b>Total</b>		<b>\$2,150,000</b>				<b>\$2,150,000</b>
Keith Demke					355-1704	

## City of Bismarck Capital Improvement Project 2016 - 2020

Public Works- Utility Operations	Water Plant - Security System	Priority 2 of 2	1st Year: 2012			
Description Installation of card access system and video security at water plant.						
Justification						
Scheduling and Project Status						
Annual Impact on Income and Operating Costs						
<b>Project Costs:</b>	2016	2017	2018	2019	2020	Total
Planning & Preliminary Design						
Engineering/Architectural			\$10,000			\$10,000
Construction			\$75,000			\$75,000
Other (specify)						
<b>Total</b>			<b>\$85,000</b>			<b>\$85,000</b>
<b>Project Funding:</b>						
<b>City</b>						
Enterprise Construction Reserves			\$85,000			\$85,000
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>\$85,000</b>			<b>\$85,000</b>
Keith Demke						
						355-1704

CAPITAL IMPROVEMENT PROGRAM (2016-2020)  
FLEET

Requested Project	Rank	Cost to be Funded	Funding Source		Projected Costs Per Year	2016	2017	2018	2019	2020
			Other	%						
Public Works Fuel Island	1	75,000	Other	100	75,000	-	-	-	-	-
TOTAL NON-CITY FUNDING		75,000			75,000	-	-	-	-	-
TOTAL CITY FUNDING		-			-	-	-	-	-	-
TOTAL		75,000			75,000	-	-	-	-	-

## City of Bismarck Capital Improvement Project 2016 - 2020

Department: Public Works	Project Title: Public Works Fuel Island			Priority	1	of	1	1st Year: 2014
Description: The island would be separated into several slabs so water can flow between them. A new diesel pump and card reader would be added. The spacing for the pumps would allow large vehicle users to refuel at the same time.								
Justification Emergency crews need to refuel more quickly in order to reduce response times. The demand merits the addition of one more diesel pump. The water that pools near the pumps make the pumps difficult to use.								
Scheduling and Project Status Design is complete. Drawings need minor revision. Bidding first quarter 2016; construction beginning second quarter 2016 with Substantial Completion by September 30, 2016, prior to snow season.								
Annual Impact on Income and Operating Costs Will reduce fueling time for all departments, especially Fire, Police and Street. Additional cost will be minimal as it is similar to what is already there so extra demand for attention will be minimal.								
<b>Project Costs:</b>								
	2016	2017	2018	2019	2020	Total		
Planning & Preliminary Design								
Engineering/Architectural								
Construction	\$75,000					\$75,000		
Other (specify)								
<b>Total</b>	<b>\$75,000</b>					<b>\$75,000</b>		
<b>Project Funding:</b>								
<b>City</b>								
Enterprise Construction Reserves								
Motel/Liquor/Restaurant								
Building Construction								
Sales Tax Fund								
Special Assessment Bonds								
Other (specify) Fleet fueling charge	\$75,000					\$75,000		
<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								