

Bismarck Public Schools



FACILITIES MASTER PLAN



FACILITIES IMPROVEMENT PLAN



FINANCIAL INFORMATION



BISMARCK PUBLIC SCHOOLS FACILITIES PLANS

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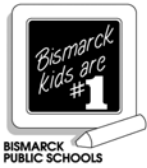


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FINANCIAL INFORMATION TAB 3





BISMARCK PUBLIC SCHOOLS FACILITIES PLANS

EXECUTIVE SUMMARY

The mission of Bismarck Public Schools is to “provide educational opportunities which challenge all students to reach their potential”. In support of this goal, quality facilities are needed that provide students with a healthy, safe and secure learning environment.

The Bismarck Public School District has developed two documents to help plan and prepare for the future. The plans provide a current description of facilities and identify those that will be needed to accommodate the student population through the year 2015. These plans are living documents and will need to be updated to reflect changes that impact facilities usage. Modifications are to be expected.

The Facilities Improvement Plan (FIP) provides a current description of improvement projects submitted by individual buildings and/or Facilities and Transportation Department. The FIP is designed to help Facilities and Transportation staff plan and budget through controllable budgets, budget enhancements or for inclusion in the Facility Master Plan (FMP).

The FMP is the board’s working document of approved projects. Projects are placed on the FMP in one of two ways. Board members can request that projects be added to the FMP at any time. In addition, all projects that are included in the FIP will be reviewed by a committee (appointed by the superintendent) that will make recommendations to the school board for inclusion in the FMP.

The Bismarck Public School Board and administration will strive to provide new and remodeled facilities that will offer the best possible physical environment for teaching and learning. The FMP aligns with the School Board's goals of:

1. New buildings and renovations that will accommodate and facilitate those new organizational and instructional patterns that support the district's educational philosophy and instructional goals.
2. Meeting all safety requirements through the remodeling of older structures.
3. Providing such building renovations as needed to meet requirements for the accessibility of public school facilities by disabled persons.
4. Building design and construction that will contribute to low maintenance costs and the conservation of energy. These two factors will also be given special consideration in the renovation of buildings.
5. The viewpoints of teachers, students, and district residents will be solicited when new buildings and remodeling projects are planned.

BISMARCK PUBLIC SCHOOLS

FACILITIES MASTER PLAN



UPDATED – SEPTEMBER 2010
UPDATED – APRIL 2008
FEBRUARY 2006





BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

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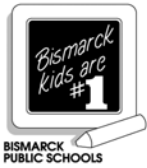
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BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

IDENTIFIED PROJECTS

School
Wachter Middle School

Project
Cafetorium & Classrooms

Probable Cost
\$2,603,480

Approval to Finish
14-16 months

Project Description

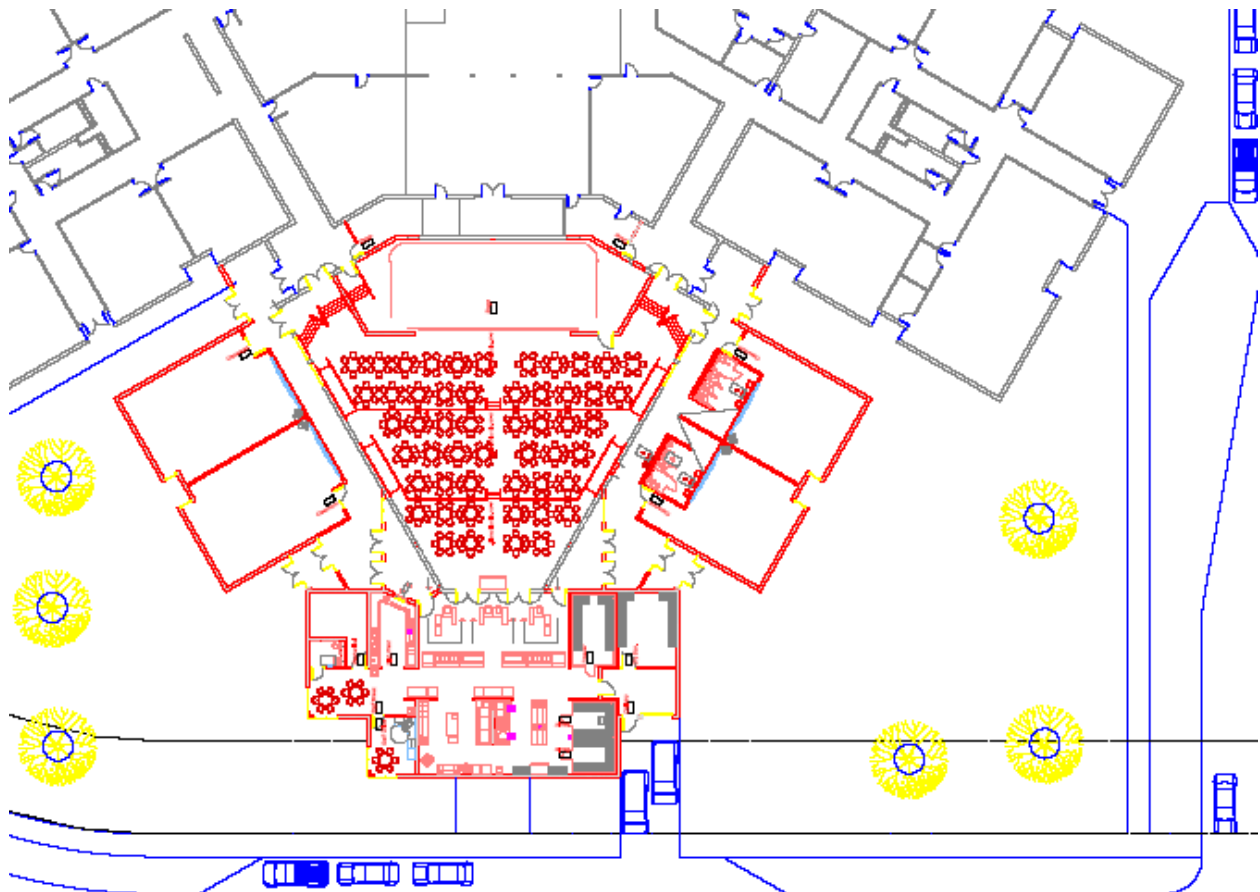
Wachter Middle School has some needs to better serve its population. The building is short of special education space, including speech, MR and ED. The aforementioned programs currently use custodial closets, hallways and share small space. The auditorium also needs some attention. The thought is to make the auditorium into a cafetorium and during this same time, add four classrooms to make adequate space for the district's largest case load for special education. By moving the cafeteria, it would also free up much needed physical education space.

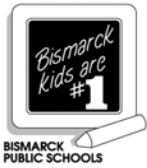
Additional Information

Demolition/Remodeling: 7,153 sqft. x \$110.00 = \$786,830

Addition: 12,111 sqft x \$150.00 = \$1,816,650

Note: the reuse of the existing kitchen equipment would reduce this preliminary cost proposal





BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

IDENTIFIED PROJECTS – CONTINUED

School
Bismarck High School

Project
Performing Arts Center

Probable Cost
\$4,050,000

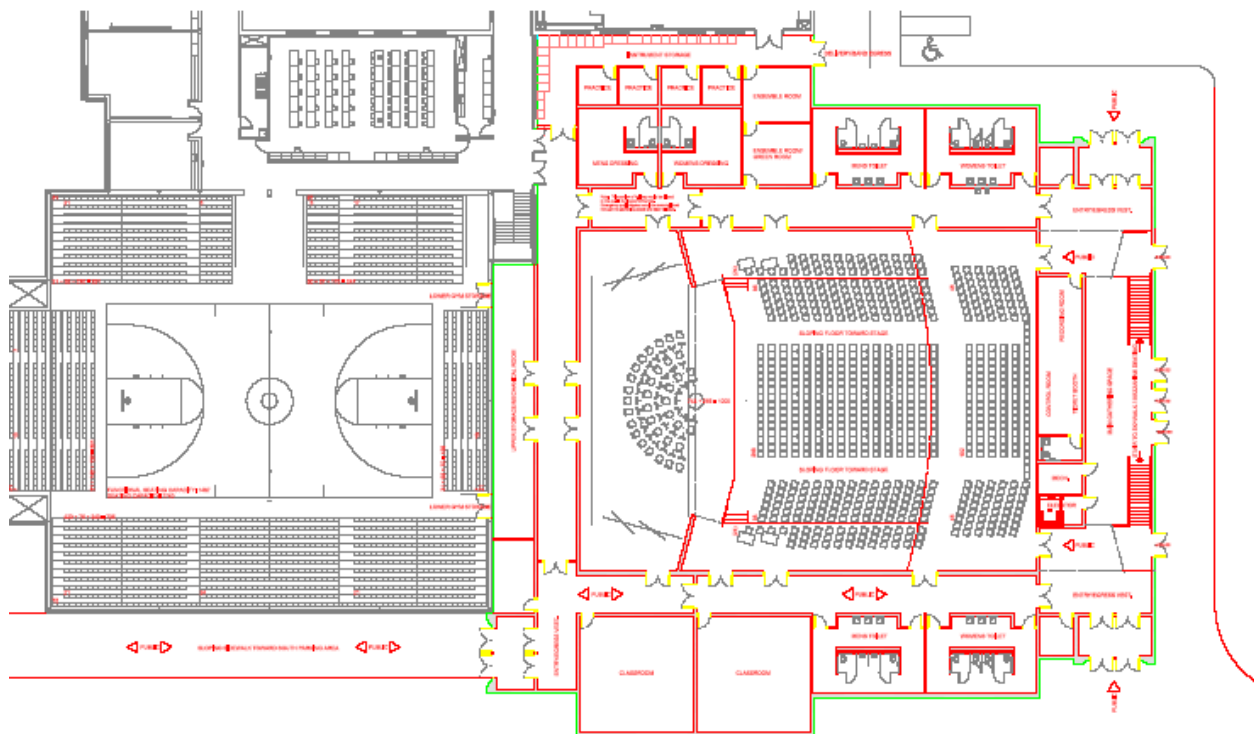
Approval to Finish
14-16 months

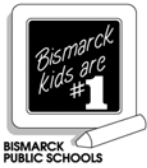
Project Description

Bismarck High School currently does not have a performing arts/theatre. BHS is the only Class A school without such a facility. As our district continues to grow, and interest in music and theater arts programs expands, it appears logical that as a district and community we look at adding a performing arts center at BHS. The Performing Arts Center would complete the high school.

Additional Information

Drawing shows 27,000 additional square feet @ \$150/sqft





BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

IDENTIFIED PROJECTS – CONTINUED

School
New High School

Probable Cost
\$30,000,000

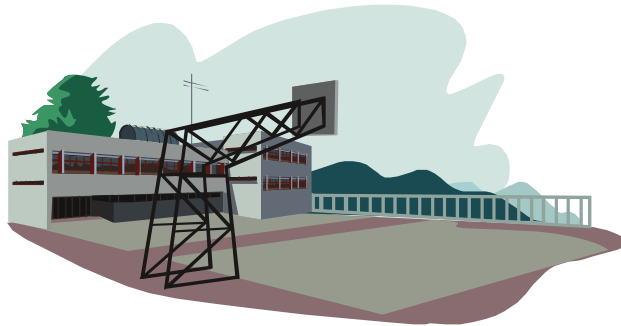
Project Description

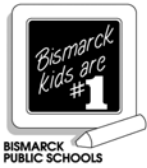
North or south locations are probable sites.

Additional Information
200,000 sqft @ \$150/sqft

Project
Third High School

Approval to Finish
36 months





BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

APPROVED PROJECTS

School

Future School Sites

Project

Purchase or acquire future school sites

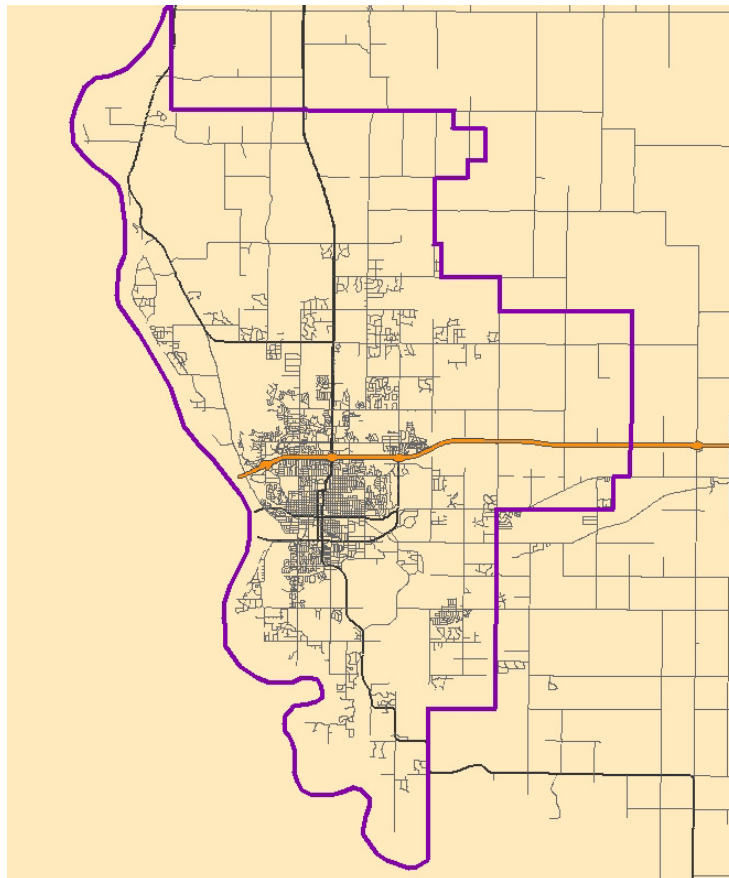
Probable Cost

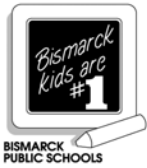
\$400,000

Project Description

- Identify potential High School sites
- 80 Acres for High School
- Adjacent to park land

Additional Information





BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

COMPLETED PROJECTS

School

Sunrise Elementary School

Project

Build a new elementary school to allow for growth of Bismarck

Probable Cost

\$9,437,528 Actual

Project Description

24 section elementary school.

Additional Information

School

Career Academy

Project

New Career and Technical Education Building (ideally located close to existing programs at Bismarck State College)

Probable Cost

\$10,000,000 –
\$12,000,000

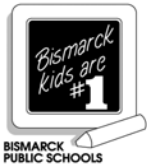
Project Description

More than four hundred 10th, 11th, and 12th grade students from BHS, CHS, St. Mary's, Shiloh, Mandan, Wilton and home-schooled students travel to the Career & Technical Center to take classes. Although sophomores can apply, preference is given to juniors and seniors because of the very limited space. At the time the center was built, classroom space was not a priority because of the "hands-on" approach to learning during the mid 70's. Times have changed, including skills needed for the future. Classrooms have become a necessary tool in each program area.

- Preliminary estimates require 60,000 sqft of space needed.
- Schematic below is located just southeast of the existing career and technical space.

Additional Information

\$150/sqft was used in the probable cost estimate.



BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

COMPLETED PROJECTS - CONTINUED

School

Jeannette Myhre Elementary

Project

Evaluate Jeannette Myhre Elementary School

Probable Cost

\$750,000 Actual

Project Description

Jeannette Myhre was built in 1974 with an “open classroom” design. While at the time it seemed like the thing to do, we have learned that it is an undesirable concept. The district recently completed a Facility Assessment Report for Myhre Elementary.

Possible changes include:

- Add permanent walls to create optimum classrooms.
- Enclose the library/media center with a glass wall similar to Solheim’s.
- Relocate the front of the building to the east (due to the 12th Street Corridor changes)
- Remodel space for appropriate offices for individual or small group learning.
- Upgrade the mechanical system and abandon the tunnel system.
- Upgrade the electrical switchgear to comply with safety concerns.

Additional Information

\$2,800,000 – Corrective action and remodeling

\$4,100,000 – Corrective action, remodeling and addition

\$10,000,00 – New elementary school, similar size to Myhre

School

Simle Middle School

Project

Remodel the original 1961 Building (North Wing)

Probable Cost

\$4,863,840 actual

Project Description

Simle, built in the early 1960’s, had some remodeling and an addition built in 1992, but the north end of the building has not been renovated. The aqua wall panels and windows need to be replaced for both maintenance and energy efficiency. The mechanical systems were sized during the 1992 addition to accommodate the north wing.

- Reprogram and design the north wing to be an up-to-date learning environment
- Includes science rooms and labs
- Update the auditorium
- Abate the asbestos floors and ceilings in the wing.
- Upgrade the mechanical system to match the newer part of the building.

Additional Information



BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

COMPLETED PROJECTS - CONTINUED

School

Future school sites

Project

Purchase or acquire future school sites

Probable Cost

\$168,295.82 Actual

Project Description

- Elementary site located in northeast Bismarck

Additional Information

School

BECEP at Richholt

Project

Add Headstart Classrooms

Probable Cost

\$988,659.50 Actual

Project Description

- Add six Headstart classrooms.
- Remodel existing locker rooms for offices (home based programs)
- Add additional staff parking.

Additional Information

BPS received a Headstart grant for \$335,000.

School

Robert Miller Elementary

Project

Classrooms and Multi-Purpose Room

Probable Cost

\$2,505,620 Actual

Project Description

- Add a net of seven classrooms to offset use of modular classrooms.
- Add multi-purpose space to be used for lunch, small programs, Blast etc...

Additional Information

The board has approved construction of the Miller project. Construction has started and occupancy is expected during the fall of 2006.



BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

COMPLETED PROJECTS - CONTINUED

School

Rita Murphy Elementary

Project

Classrooms, Library/Media Center, Music Room and Multi-Purpose Room

Probable Cost

\$3,067,913 Actual

Project Description

- Add a net of seven classrooms to offset use of modular classrooms.
- Add library/media center that includes a computer lab.
- Add music room (displaced by new multi-purpose space).
- Add multi-purpose space to be used for lunch, small programs, Blast etc...
- Add air conditioning to the primary wing.

Additional Information

The board has approved construction of the Murphy project. Construction has started and occupancy is expected during the fall of 2006



BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

APPENDIX A. – FACILITY STANDARDS AND PLANNING ASSUMPTIONS

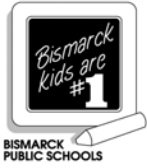
The following information was formulated from Bismarck Public Schools Administration in conjunction with data collected at the January 13, 2005 Community Forum.

- 1 Elementary School Spaces (design indices)
 - a. 20 students per class
 - b. 3.5 sections per grade
 - c. 900 sqft classrooms
 - d. 500 total students per school
 - e. 60 – 70,0000 sqft school (similar to Centennial)

- 2 Secondary School Sizes (High School)
 - a. 20 students per class
 - b. 165 sqft per student
 - c. 900 sqft classrooms
 - d. 1200 total students per school
 - e. 200,000 sqft school (similar to Century)

The following assumptions were used in developing the master plan

1. The horizon year for the long-range plan is 2020.
2. Revenue projections utilize 6% growth per year.
3. Probable building cost projections use 5% growth per year.
4. The plan will require periodic reassessment (preferable through a formal update process) and be revised as necessary.
5. The plan will be the basis for continuation of an extensive capital rehabilitation program to support the vision of the district.
6. Renovation and new construction of district facilities will comply with all relevant codes concerning health, safety and the well-being of all students.
7. Bismarck Public Schools will create a positive and stabilizing force in the neighborhoods in which they are located.
8. The district will commit to adequately maintain all building resources in the Bismarck Public School District inventory.

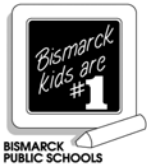


BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

APPENDIX B. – INVENTORY OF PROPERTIES

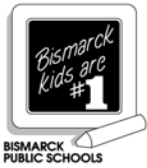
a. School Sites (2010)

ELEMENTARY SCHOOLS	Const. Date	Building Age (yrs)	Total Sq Ft	Site (Acres)
Centennial Elementary School	1988	22	71,610	15.7
Grimsrud Elementary School	1964	46	31,281	6.9
Highland Acres Elementary School	1958	52	18,314	2.8
Miller Elementary School	1978	32	67,484	9.3
Moses Elementary School	1970	40	69,415	7.5
Murphy Elementary School	1968	42	84,575	8.5
Myhre Elementary School	1972	38	46,347	6.4
Northridge Elementary School	1954	56	60,489	5.5
Pioneer Elementary School	1954	56	34,767	3.7
Prairie Rose Elementary School	1976	34	23,951	5.5
Riverside Elementary School	1955	55	25,565	4.7
Roosevelt Elementary School	1974	36	23,760	2.6
Saxvik Elementary School	1952	58	35,597	2.4
Solheim Elementary School	1986	24	71,706	13.6
Sunrise Elementary School	2010	0	76,659	14.0
Will Moore Elementary School	1950	60	60,434	3.4



BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

HIGH SCHOOLS	Const. Date	Building Age (yrs)	Total Sq Ft	Site (Acres)
Bismarck High School	1934	76	269,124	13.4
Century High School	1974	36	195,270	29.6
MIDDLE SCHOOLS				
Horizon Middle School	2001	9	153,156	57.9
Simle Middle School	1961	49	135,589	8.3
Wachter Middle School	1967	43	120,920	16.0
OTHER SCHOOL FACILITIES				
BECEP-Richholt	1949	61	48,205	3.0
Career Academy	2010	0	97,014	BSC
Hughes Education Center	1958	52	88,208	19.3
Facilities and Transportation	1966	44	43,492	7.9
TOTALS				
Totals			1,956,052	267.9



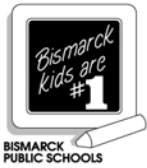
BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

b. Undeveloped Sites

Item No.	Township	Description	Acres	Location
1	Falconer Estates (T138N R80W)	Lot 23, less Lot A, Block 2	1.95	East of Prairie Rose
2	Hay Creek (T139N R80W)	Part of S ½ of Section 16	17.74	Corner of Washington and 57 th Street
3	Hay Creek (T139N R80W)	Part of NW ¼ of section 17	20	NW of Horizon Middle School
4	Lincoln (T139N R80W)	Lots 1,2,3,4 of Block 3 and Lots 1,2 of Block 4 Ridgeview Acres 2 nd Subdivision	10	West of Prairie Rose Elementary School
5	Apple Creek (T138N R79W)	SE ¼ of the SE1/4 of section 18	10	City of Lincoln

c. Rented Sites

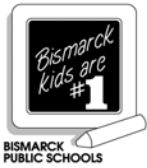
Description	Location
Career Academy	Bismarck State College



BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

APPENDIX C. – BUILDING CAPACITIES 2010/2011 SCHOOL YEAR

HIGH SCHOOLS	Total Sq Ft	Total Students		Sqft per Student	# of Modular Classrooms
Bismarck High School	269,380	1430		188	
Century High School	196,470	1109		177	
MIDDLE SCHOOLS	Total Sq Ft	Total Students			
Horizon Middle School	153,876	809		190	
Simle Middle School	134,797	832		162	1
Wachter Middle School	119,560	816		147	2
ELEMENTARY SCHOOLS	Total Sq Ft	Total Students	# of Sections per grade		# of Modular Classrooms
Centennial Elementary School	71,610	518	3.4	138	4
Grimsrud Elementary School	31,281	298	2	105	1
Highland Acres Elementary School	18,314	138	1	133	
Miller Elementary School	67,484	556	4	121	2
Moses Elementary School	69,415	430	3	161	
Murphy Elementary School	84,575	493	3.4	172	
Myhre Elementary School	46,347	277	2.3	167	
Northridge Elementary School	60,489	574	3.9	105	3
Pioneer Elementary School	34,767	286	2	122	1
Prairie Rose Elementary School	23,951	203	1.6	118	3
Riverside Elementary School	25,565	109	1.1	235	2
Roosevelt Elementary School	23,760	140	1	170	1
Saxvik Elementary School	35,597	244	2	146	1
Solheim Elementary School	71,706	516	3.6	139	
Sunrise Elementary School	76,659	462	3.1	166	
Will Moore Elementary School	57,650	382	2.7	151	3



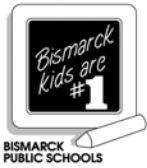
BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

APPENDIX D. – RECONFIGURATION (K-5, 6-8, 9-12)

We reviewed what would happen if we took grade 6 out of the elementary schools, added it to the middle schools, and created 9-12 senior highs. The issue comes at the high school level. A number of things would have to be considered before adding 9th graders to Bismarck and Century High Schools:

1. BHS currently has about 1,400 students. Judging by past enrollment trends, about 450 ninth graders would be added, creating a school of 1,850. At CHS, the student population would rise from 1,100 to 1,500. The National Association of Secondary School Principals currently recommends high school units of 600 students to maximize learning and minimize problems.
2. School would need to start earlier and end later; night classes are an option.
3. Labs, cafeterias, student commons, gyms, rest rooms & parking lot would need expansion.
4. The lunch hour would have to be extended to 3 class periods instead of 2.
5. A decision would have to be made whether to keep the open campus or have a closed campus. Currently, 9th graders cannot leave the middle schools during the school day, whereas students in grades 10-12 are allowed to leave for lunch, vocational programs, etc.

Another option would be to build a third high school. This would create three high schools with an average population of 1,200 students.



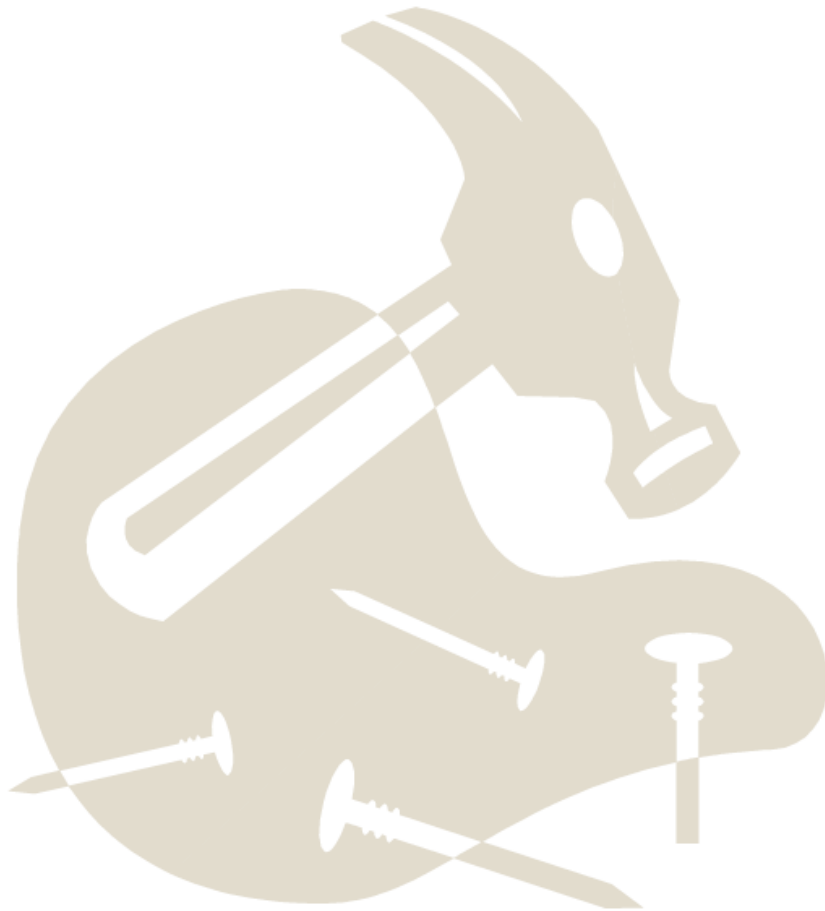
BISMARCK PUBLIC SCHOOLS FACILITIES MASTER PLAN

APPENDIX E. – BOARD REPRESENTATION ON PROJECTS

Year	Project	Architect
2002	Century High School Gym and PE Addition	Jiran
Selection Committee Marcia Olson Dan Kuntz		Construction Review Committee Dan Kuntz
Year	Project	Architect
2004	Miller/Murphy Classroom Additions	REH
Selection Committee Parrell Grossman Aruna Seth		Construction Review Committee Paul Govig
Year	Project	Architect
2005	Richholt Classroom Addition	Jiran Architects
Selection Committee Marcia Olson Dan Kuntz		Construction Review Committee Marcia Olson
Year	Project	Architect
2007	Simle North Wing Remodel	REH
Selection Committee Steve Marquardt Parrell Grossman		Construction Review Committee Marcia Olson
Year	Project	Architect
2009	Career Academy	Tvenge
Selection Committee Marcia Olson Paul Govig		Construction Review Committee Steve Marquardt
Year	Project	Architect
2009	Sunrise Elementary School	REH
Selection Committee Parrell Grossman Dan Kuntz		Construction Review Committee Marcia Olson

BISMARCK PUBLIC SCHOOLS

FACILITIES IMPROVEMENT
PLAN



UPDATED - SEPTEMBER 2010
APRIL 2008





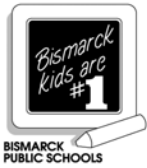
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BISMARCK PUBLIC SCHOOLS FACILITIES IMPROVEMENT PLAN

FACILITY MASTER PLAN COMMITTEE

Dr. John Salwei
Superintendent

Mike Heilman
Assistant Superintendent

Fran Rodenburg
Assistant Superintendent

Darin Scherr
Director of Facilities and Transportation

Don Roethler
Facilities Coordinator

The Facility Master Plan Committee shall meet every January to review current projects and make recommendations for the board's consideration for inclusion in the Facility Master Plan. The board may request that projects be placed on the master plan at any time.

BUDGET/PRICING DISCLAIMER

Estimated costs included in the Facility Improvement and Master Plans are probable estimates and should be considered as such. More accurate architectural and/or engineering costs estimates could be obtained at the request of the board and/or the superintendent.

**Bismarck Public Schools
Facility Improvement Plan**

School	Project	Budget	Department	Type	Description
Centennial Elementary School	Irrigation	\$5,000	Grounds	I	Up-grade irrigation system on Little League Field.
Centennial Elementary School	Carpet in Gym	\$30,000	Facilities	DM	Replace carpet in gym with tile.
Centennial Elementary School	Sidewalk on Springfield Street	\$30,000	Grounds	I	438' of new sidewalk on Springfield Street.
	Subtotal	\$65,000			
Grimsrud Elementary School	Parking	\$30,000	Grounds	I	Add additional staff parking.
Grimsrud Elementary School	Playground Surfacing	\$40,000	Grounds	DM	Continue asphalt replacement on playground to concrete.
Grimsrud Elementary School	Lights and Ceiling	\$140,000	Facilities	DM	Suspended ceiling in classrooms/new light fixtures.
Grimsrud Elementary School	Irrigation	\$5,000	Grounds	I	Expand irrigation to include lawn.
Grimsrud Elementary School	Sidewalk on Marion Drive	\$17,000	Grounds	I	558' of new sidewalk on Marion Drive.
Grimsrud Elementary School	Sidewalk on Nagel Drive	\$9,000	Grounds	I	300' of new sidewalk on Nagel Drive.
Grimsrud Elementary School	Fire Alarm	\$10,000	Facilities	DM	Replace fire alarm.
Grimsrud Elementary School	Building Addition	\$300,000	Facilities	I	Add specialist space along hall corridors.
Grimsrud Elementary School	Air Conditioning	\$303,345	Facilities	DM	Air conditioning.
	Subtotal	\$854,345			
Highland Acres Elementary School	Building Addition	\$500,000	Facilities	I	Building Addition – kitchen, music & multipurpose room.
Highland Acres Elementary School	Playground Surfacing	\$27,000	Grounds	DM	New asphalt surface for basketball courts.
Highland Acres Elementary School	Stage Curtain	\$12,000	Facilities	DM	Replace stage curtain.
Highland Acres Elementary School	Irrigation	\$5,500	Grounds	I	Expand irrigation to include front lawn and east side.
Highland Acres Elementary School	Fencing	\$8,000	Grounds	I	Additional fencing around playground.
Highland Acres Elementary School	Casework	\$12,000	Facilities	DM	Casework in classrooms.
Highland Acres Elementary School	Lights and Ceiling	\$90,000	Facilities	DM	New suspended ceiling and lights.
	Subtotal	\$654,500			

**Bismarck Public Schools
Facility Improvement Plan**

School	Project	Budget	Department	Type	Description
Miller Elementary School	Playground Surfacing	\$9,000	Grounds	DM	Possible asphalt replacement – playground (chip seal).
	Subtotal	\$9,000			
Moses Elementary School	Parking Lot	\$45,000	Grounds	DM	Repave parking lot - overlay.
Moses Elementary School	Irrigation	\$5,000	Grounds	I	Expand irrigation to include front lawn.
Moses Elementary School	Office Remodel	\$150,000	Facilities	I	Move/remodel office.
Moses Elementary School	Air Conditioning	\$184,000	Facilities	DM	Air conditioning.
	Subtotal	\$384,000			
Murphy Elementary School	Playground Surfacing	\$35,000	Grounds	DM	Resurface asphalt playground.
Murphy Elementary School	Office Remodel	\$350,000	Facilities	I	Remodel office.
Murphy Elementary School	Locker Room Remodel	\$10,000	Facilities	I	Remodel locker room.
Murphy Elementary School	Roof Top	\$2,600	Facilities	DM	Replace the roof top for office.
Murphy Elementary School	Roof Top	\$4,100	Facilities	DM	Replace the roof top for the common area
	Subtotal	\$401,700			
Myhre Elementary School	Parking Lot	\$10,000	Grounds	DM	Resurface asphalt parking lot.
Myhre Elementary School	Playground Field	\$42,000	Grounds	I	Playground field reconstruction.
Myhre Elementary School	Irrigation	\$21,000	Grounds	I	Irrigation for site.
Myhre Elementary School	Gym Floor	\$75,000	Facilities	DM	Reconstruct gym floor.
	Subtotal	\$148,000			

**Bismarck Public Schools
Facility Improvement Plan**

School	Project	Budget	Department	Type	Description
Northridge Elementary School	Lower Level Remodel	\$150,000	Facilities	I	Remodel lower level.
Northridge Elementary School	Windows/Remodel	\$50,000	Facilities	I	Replace glass block windows with energy efficient windows.
Northridge Elementary School	Portable Maintenance	\$16,000	Facilities	DM	Re-side portable classrooms.
Northridge Elementary School	Intercom	\$8,000	Facilities	DM	Update intercom.
Northridge Elementary School	Playground Resurfacing	\$37,000	Grounds	DM	Resurface playground – drainage.
Northridge Elementary School	Lights and Ceiling	\$275,000	Facilities	I	Install suspended ceilings in classrooms/new light fixtures.
	Subtotal	\$536,000			
Pioneer Elementary School	Irrigation	\$7,000	Grounds	I	Irrigate south and west sides.
Pioneer Elementary School	Playground Resurfacing	\$21,000	Grounds	DM	Resurface playground.
Pioneer Elementary School	Lights and Ceiling	\$90,000	Facilities	I	Suspended ceiling in upper classrooms/new light fixtures
Pioneer Elementary School	Casework	\$90,000	Facilities	I	New case work and sinks in classrooms.
Pioneer Elementary School	Outdoor Classroom Site	\$10,000	Facilities	I	Outdoor classroom site.
	Subtotal	\$218,000			
Prairie Rose Elementary School	Irrigation	\$35,000	Grounds	I	Possible irrigation for site.
Prairie Rose Elementary School	Property Development	\$75,000	Grounds	I	Develop property east of playground.
Prairie Rose Elementary School	Buss Drop Off	\$73,000	Grounds	I	Bus drop off.
Prairie Rose Elementary School	Storage Addition	\$100,000	Facilities	I	Storage room (lunch tables)
	Subtotal	\$283,000			
Riverside Elementary School	Irrigation	\$13,000	Grounds	I	Possible irrigation for site.
Riverside Elementary School	Lights and Ceiling	\$115,000	Facilities	I	Suspending ceilings in classrooms/new light fixtures.
Riverside Elementary School	Playground Resurfacing	\$9,500	Grounds	DM	Resurface playground.
Riverside Elementary School	Casework	\$50,000	Facilities	I	Casework for remaining classrooms.
Riverside Elementary School	Air Conditioning	\$279,000	Facilities	I	Air conditioning.
	Subtotal	\$466,500			

**Bismarck Public Schools
Facility Improvement Plan**

School	Project	Budget	Department	Type	Description
Roosevelt Elementary School	Translucent Walls	\$100,000	Facilities	I	Replace glass block wall with energy efficient windows and wall.
Roosevelt Elementary School	Gym Acoustical Replacement	\$18,000	Facilities	I	Remove existing acoustical material in gym and resurface.
Roosevelt Elementary School	Classroom Walls and Doors	\$100,000	Facilities	I	Classroom walls and doors.
Roosevelt Elementary School	Sidewalk on Avenue A	\$9,000	Grounds	I	303' of city sidewalk on Avenue A
Roosevelt Elementary School	Switchgear Contactors	\$3,000	Facilities	DM	Move contactors out of switchgear.
Roosevelt Elementary School	HVAC and doors	\$81,000	Facilities	DM	Redo the HVAC and add doors.
	Subtotal	\$230,000			
Saxvik Elementary School	Irrigation	\$6,500	Grounds	I	Site irrigation.
Saxvik Elementary School	Casework	\$50,000	Facilities	I	New casework in classrooms.
Saxvik Elementary School	Lights	\$50,000	Facilities	DM	New light fixtures.
Saxvik Elementary School	Air Conditioning	\$639,500	Facilities	DM	Air Conditioning.
	Subtotal	\$746,000			
Solheim Elementary School	Gym Floor	\$15,000	Facilities	DM	Remove carpet in gym and replace with tile.
Solheim Elementary School	Playground Resurfacing	\$5,000	Grounds	DM	Resurface asphalt playground.
	Subtotal	\$20,000			
Will-Moore Elementary School	Playground Resurfacing	\$5,000	Grounds	DM	Resurface Playground
	Subtotal	\$5,000			

**Bismarck Public Schools
Facility Improvement Plan**

School	Project	Budget	Department	Type	Description
BECEP @ Richholt	Playground Resurfacing	\$8,000	Grounds	DM	Resurface playground.
BECEP @ Richholt	Parking Lot	\$30,000	Grounds	DM	Resurface parking lot.
BECEP @ Richholt	Casework	\$40,000	Facilities	DM	Casework in classrooms.
BECEP @ Richholt	Locks	\$5,000	Facilities	DM	Classroom locks in the east and northeast wings.
BECEP @ Richholt	Parent Place remodel	\$100,000	Facilities	I	Remodel Parent Place.
BECEP @ Richholt	Roof Top	\$6,800	Facilities	DM	Replace the roof top serving Parent Place.
	Subtotal	\$189,800			
Horizon Middle School	Addition	\$50,000	Facilities	I	Storage addition.
Horizon Middle School	Irrigation	\$10,000	Grounds	I	Additional water source for existing irrigation system.
	Subtotal	\$60,000			
Simle Middle School	Gym Wall	\$75,000	Facilities	DM	Replace dividing wall in gym.
Simle Middle School	Lower Level Flooring	\$36,000	Facilities	DM	Lower level athletic flooring.
	Subtotal	\$111,000			
Wachter Middle School	HVAC Controls Upgrade	\$50,000	Facilities	DM	HVAC control upgrades.
Wachter Middle School	Irrigation	\$37,000	Grounds	I	Expand irrigation system to include north and west sides.
Wachter Middle School	Parking Lot Resurfacing	\$100,000	Grounds	DM	Resurface parking lot.
Wachter Middle School	Parking Lot	\$54,045	Grounds	I	Parking lot.
Wachter Middle School	Locker Replacement	\$75,000	Facilities	I	Replace the lockers int the building.
	Subtotal	\$316,045			

**Bismarck Public Schools
Facility Improvement Plan**

School	Project	Budget	Department	Type	Description
Century High School	Office Remodel	\$150,000	Facilities	I	Remodel office area.
Century High School	HVAC Upgrade	\$25,000	Facilities	DM	HVAC upgrade in tech building.
Century High School	Gym Floor	\$50,000	Facilities	DM	Resurface gym floors.
Century High School	Parking Lots	\$100,000	Grounds	DM	Resurface parking lots.
Century High School	Athletic Field	\$55,000	Grounds	DM	Reconstruct main athletic field.
Century High School	Running Track	\$20,000	Grounds	DM	Reconstruct running track.
Century High School	Irrigation	\$40,000	Grounds	DM	Upgrade of existing irrigation for athletic fields.
Century High School	Scoreboards	\$25,000	Facilities	DM	Upgrade scoreboards in gym.
Century High School	HVAC Controls Upgrade	\$40,000	Facilities	DM	HVAC control upgrades.
Century High School	Locker Replacement	\$45,000	Facilities	DM	Athletic locker replacement.
Century High School	Auditorium Walls	\$35,000	Facilities	DM	Repair auditorium partition walls.
	Subtotal	\$585,000			
Bismarck High School	Parking Lots	\$68,000	Grounds	DM	Resurface parking lots.
Bismarck High School	Carpet	\$200,000	Facilities	DM	Carpet for entire building.
Bismarck High School	Locker Replacement	\$50,000	Facilities	DM	Replace athletic lockers.
Bismarck High School	HVAC Controls Upgrade	\$100,000	Facilities	DM	HVAC Controls Upgrade
	Subtotal	\$418,000			
Hughes Educational Center	Gym Floor	\$75,000	Facilities	I	Install wood floor in gym.
Hughes Educational Center	Lower Level Remodel	\$100,000	Facilities	I	Lower level remodel for South Central.
Hughes Educational Center	Lockers	\$5,000	Facilities	I	Lockers.
Hughes Educational Center	Fencing	\$14,200	Grounds	I	Fencing around Hughes Field.
	Subtotal	\$194,200			
Facilities and Transportation	Parking Lot	\$56,000	Grounds	DM	Resurface parking lot.
Facilities and Transportation	Parking Lot	\$10,000	Grounds	DM	Additional crushed asphalt in storage lot.
	Subtotal	\$66,000			
	Grand Total	\$6,961,090			

BISMARCK PUBLIC SCHOOLS

Roofing Plan

BUILDING NAME	Roof Designator	Description	Roof Type	Square Feet	Year	Cost
Bismarck High	A	Main-South	BU	12625	2029	63125
Bismarck High	B	Main - Middle	BU	16982	2006	84910
Bismarck High	C	Main - North	BU	10185	2006	50925
Bismarck High	D	Industrial Art Addition	BU	16270	2011	81350
Bismarck High	E	Entrance/Commons	BU	5200	2011	26000
Bismarck High	F	New Classrooms	BU	5286	2023	26430
Bismarck High	G	New Hallway	BU	5458	2020	27290
Bismarck High	H	Penthouse	BU	1976	2023	9880
Bismarck High	I	Music Addition	BU	6945	2023	34725
Bismarck High	J	Lynch Gym	BU	6258	2023	31290
Bismarck High	K	Karlgaard	BU	13495	2023	67475
Century High	A	1998 Classroom Wing	BU	26702	2028	133510
Century High	B	1998 Classroom Wing	BU	7082	2028	35410
Century High	C	1998 Classroom Wing	BU	2184	2028	10920
Century High	D	Original Building	BU	29750	2040	148750
Century High	E	Original Building	FA	5734	2039	28670
Century High	F	Original Building	FA	6631	2039	33155
Century High	G	Original Building	FA	7713	2039	38565
Century High	H	Original Building	FA	7401	2039	37005
Century High	I	Original Building	FA	6895	2039	34475
Century High	J	Original Gym	FA	13282	2033	66410
Century High	K	Original Building	FA	1276	2039	6380
Century High	L	Original Building	FA	14149	2039	70745
Century High	M	New Gym Addition	BU	6484	2033	32420
Century High	N	New Penthouse	BU	886	2033	4430
Century High	O	New Gym	BU	7459	2033	37295
Horizon	A	Main Entry	BU	424	2026	2120
Horizon	B	Kitchen Wing	BU	1721	2026	8605
Horizon	C	East Entry	BU	1378	2026	6890
Horizon	D	Music	BU	7986	2026	39930
Horizon	E	East Center	BU	6057	2026	30285
Horizon	F	Locker Rooms	BU	4088	2026	20440
Horizon	G	Lower Center	BU	10982	2026	54910
Horizon	H	NE Pod	BU	6089	2026	30445
Horizon	I	NW Pod	BU	6168	2026	30840
Horizon	J	W Center	BU	8800	2026	44000
Horizon	K	E Center	BU	6002	2026	30010
Horizon	L	SE Pod	BU	6082	2026	30410
Horizon	M	SW Pod	BU	6035	2026	30175
Horizon	N	West Entry	BU	1151	2026	5755
Simle	A	1960 North	BU	14638	2023	73190
Simle	B	1960 Middle	BU	8818	2023	44090
Simle	C	Middle	BU	9941	2023	49705
Simle	D	Tech Wing	BU	17898	2017	89490
Simle	E	New Middle	BU	7313	2017	36565

BISMARCK PUBLIC SCHOOLS

Roofing Plan

BUILDING NAME	Roof Designator	Description	Roof Type	Square Feet	Year	Cost
Simle	F	Gym Wing	BU	18917	2017	94585
Wachter	A	Classroom	BU	21782	2021	108910
Wachter	B	First Addition - Gym	BU	10410	2025	52050
Wachter	C	First Addition - Office	BU	10596	2025	52980
Wachter	D	2nd Addition - Auditorium	BU	7621	2016	38105
Wachter	E	2nd Addition - Classroom	BU	10504	2018	52520
Wachter	F	3rd Addition	BU	35478	2011	177390
Richholt	A	Gymnasium	SP	5289	2030	26445
Richholt	B	Office/Kitchen	SP	8381	2030	41905
Richholt	C	Library	FA	2400	2030	12000
Richholt	D	Old Front	FA	6253	2030	31265
Richholt	E	North Wing	SP	3724	2030	18620
Richholt	F	West Wing	BU	4899	2013	24495
Richholt	G	New Wing	FA	6114	2031	30570
Centennial	A	Classroom	BU	22414	2013	112070
Centennial	B	Main Hallway	BU	3512	2013	17560
Centennial	C	Gym	BU	5695	2013	28475
Centennial	D	Kitchen Area	BU	2922	2013	14610
Centennial	E	Apartment	BU	1855	2013	9275
Hughes Education Center	A	South	BU	10253	2026	51265
Hughes Education Center	B	Gym Area	BU	10507	2015	52535
Hughes Education Center	C	Administration	BU	10379	2029	51895
Hughes Education Center	D	Breezeway	BU	1228	2026	6140
Hughes Education Center	E	North	BU	17780	2027	88900
Facilities and Transportation	A	Office	FA	7921	2031	39605
Facilities and Transportation	B	Bus Shop	FA	11846	2031	59230
Facilities and Transportation	C	Warehouse & Carpenter	BU	13756	2029	68780
Facilities and Transportation	D	Food Service	FA	3465	2029	17325
Grimsrud	A	Main Area	FA	10190	2033	50950
Grimsrud	B	West Pod	FA	9700	2033	48500
Grimsrud	C	East Pod	FA	9700	2033	48500
Grimsrud	D	Gymnasium	Asphalt	4440	2017	22200
Highland Acres	A	Main	BU	5252	2030	26260
Highland Acres	B	Entrance	FA	270	2032	1350
Highland Acres	C	Classroom	FA	8185	2032	40925
Highland Acres	D	Gymnasium	FA	4314	2032	21570
Miller	A	Entry	SP	6028	2025	30140
Miller	B	NW	SP	8776	2025	43880
Miller	C	NE	SP	9010	2024	45050
Miller	D	Gymnasium	SP	6850	2025	34250
Miller	E	South	SP	13734	2013	68670
Miller	F	New Classroom	FA	13241	2031	66205
Miller	G	Penthouse	FA	926	2031	4630
Miller	H	New Entry	FA	655	2031	3275
Miller	I	Multi-purpose	FA	4973	2031	24865

BISMARCK PUBLIC SCHOOLS

Roofing Plan

BUILDING NAME	Roof Designator	Description	Roof Type	Square Feet	Year	Cost
Moses	A	Gymnasium	BU	5998	2018	29990
Moses	B	Orgininal	BU	25510	2020	127550
Moses	C	1976 Addition	BU	14579	2026	72895
Moses	D	1979 Addition	BU	18733	2015	93665
Moses	E	1995 Addition	BU	3555	2020	17775
Murphy	A	Original	BU	9970	2016	49850
Murphy	B	Boiler Room	BU	1306	2016	6530
Murphy	C	Raised Original	BU	2274	2016	11370
Murphy	D	Gymnasium	BU	7212	2017	36060
Murphy	E	Apartment	BU	839	2024	4195
Murphy	F	Old Kitchen	BU	3811	2017	19055
Murphy	G	Multi-Purpose	BU	2359	2031	11795
Murphy	H	Hallway	BU	3428	2028	17140
Murphy	I	Phase II	BU	8222	2017	41110
Murphy	J	Phase III	BU	9735	2017	48675
Murphy	K	New Classroom	BU	8794	2031	43970
Murphy	L	Music Room	BU	1488	2031	7440
Murphy	M	Library	BU	3953	2031	19765
Myhre	A	Office	BU	2208	2017	11040
Myhre	B	Office Outer	BU	5958	2017	29790
Myhre	C	Phase I North	BU	4379	2019	21895
Myhre	D	Phase I Middle	BU	4304	2019	21520
Myhre	E	Phase I South	BU	3868	2019	19340
Myhre	F	Phase II North	BU	4263	2019	21315
Myhre	G	Phase II Middle	BU	6625	2019	33125
Myhre	H	Phase II South	BU	4987	2019	24935
Myhre	I	Phase III East	BU	4261	2019	21305
Myhre	J	Phase III Gym	BU	8300	2018	41500
Northridge	A	Main-West	BU	4461	2033	22305
Northridge	B	Main - East	BU	8504	2026	42520
Northridge	C	North Classroom	BU	6952	2012	34760
Northridge	D	Gymnasium	BU	4583	2030	22915
Northridge	E	Office	BU	3192	2030	15960
Northridge	F	Boiler Room	BU	653	2026	3265
Northridge	G	Stairwell	BU	488	2026	2440
Pioneer	A	Classroom	FA	13804	2034	69020
Pioneer	B	Center	FA	1708	2034	8540
Pioneer	C	Gymnasium	BU	4500	2025	22500
Prairie Rose	A	Original Phase	SP	4455	2020	22275
Prairie Rose	B	Original Phase - Gym	FA	2659	2031	13295
Prairie Rose	C	Phase 2 - South	BU	3903	2024	19515
Prairie Rose	D	Phase 3 - North	BU	3940	2023	19700
Prairie Rose	E	Penthouse	FA	430	2030	2150
Riverside	A	East Classroom	FA	5783	2031	28915
Riverside	B	Office	BU	3218	2028	16090

BISMARCK PUBLIC SCHOOLS
Roofing Plan

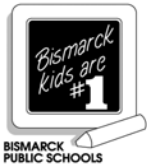
BUILDING NAME	Roof Designator	Description	Roof Type	Square Feet	Year	Cost
Riverside	C	West Classroom	FA	5278	2031	26390
Riverside	D	Gymnasium	BU	5128	2026	25640
Riverside	E	West/Middle Classroom	FA	5278	2031	26390
Roosevelt	A	Classroom	BU	7648	2014	38240
Roosevelt	B	Office	BU	2739	2020	13695
Roosevelt	C	Gymnasium	BU	3854	2014	19270
Saxvik	A	Main	Asphalt	9655	2022	48275
Saxvik	B	South	Asphalt	3937	2022	19685
Saxvik	C	Gym	Asphalt	3730	2022	18650
Saxvik	D	North	BU	8196	2028	40980
Saxvik	E	East	BU	8001	2017	40005
Solheim	A	Office	BU	7092	2012	35460
Solheim	B	Gymnasium	BU	5823	2012	29115
Solheim	C	Kitchen	BU	5337	2012	26685
Solheim	D	Classroom	BU	29250	2012	146250
Solheim	E	Classroom	BU	12897	2012	64485
Solheim	F1	North Addition	BU	1750	2016	8750
Solheim	F2	North Addition	BU	1750	2016	8750
Solheim	G1	East Addition	BU	1775	2016	8875
Solheim	G2	East Addition	BU	1775	2016	8875
Solheim	H	South Addition	BU	1775	2016	8875
Will-Moore	A	Two Story	BU	11065	2032	55325
Will-Moore	B	Primary Wing	BU	8260	2032	41300
Will-Moore	C	Gymnasium	BU	6220	2031	31100
Will-Moore	D	Mechanical Room	BU	1100	2032	5500



BISMARCK PUBLIC SCHOOLS FACILITIES IMPROVEMENT PLAN

CARPET REPLACEMENT SCHEDULE

Work in progress



BISMARCK PUBLIC SCHOOLS FACILITIES IMPROVEMENT PLAN

MODULAR CLASSROOM ASSESSMENT

District ID	Location	General Condition	Indoor Air Quality Concerns	Foundation	Siding / Doors / Windows	Lights	HVAC
210	Centennial	3	2	Yes	4	3	4
222	Centennial	3	2	Yes	4	1	4
224	Centennial	4	4	Yes	4	4	4
227	Centennial	4	4	Yes	4	4	4
217	Grimsrud	3	2	Yes	4	1	4
225	Miller	4	4	Yes	4	4	4
226	Miller	4	4	Yes	4	4	4
205	Moses	3	2	Yes	4	2	3
219	Northridge	2	2	Yes	1	3	2
220	Northridge	2	2	No	1	3	3
221	Northridge	2	2	Yes	1	3	2
204	Pioneer	2	2	Yes	1	4	1
206	Prairie Rose	3	2	Yes	2	1	4
211	Prairie Rose	3	2	Yes	2	1	4
213	Prairie Rose	3	2	Yes	2	1	4
208	Riverside	1	1	No	1	3	2
209	Riverside	1	1	No	1	3	2
212	Roosevelt	2	2	No	4	1	1
229	Saxvik	4	4	Yes	4	4	4
224	Simle	4	4	No	4	4	4
203	Wachter	3	2	Yes	4	1	1
223	Wachter	3	2	Yes	4	1	1
207	Will-Moore	3	2	Yes	4	3	4
218	Will-Moore	3	2	Yes	4	1	4
228	Will-Moore	4	4	Yes	4	4	4

1 - Needs replacement or major work
 2 - Average
 3 - Good
 4 - New



BISMARCK PUBLIC SCHOOLS FINANCIAL INFORMATION

FUNDING OPTIONS

Bismarck Public Schools has the following options available for funding building projects.

1. **Bond Issue Election**

Most large construction projects in the Bismarck School District are funded by voters authorizing the district to borrow money and pay the loan back by an increase in taxes. Horizon Middle School would be the most recent example of a bond issue.

Pros

- Several projects can be completed in a short timeline because a large amount of money can be raised.
- A positive vote on a bond issue indicates a high level of support (60%) for the project by the community.
- Because the taxable valuation is rising by at least 5% per year, the mills required to pay back the bond issue will be less each year.

Cons

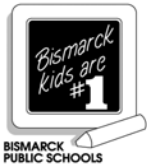
- A bond issue requires a majority of 60% of the voters, many of which may not have children in school. If a bond issue was voted down, the School Board may be reluctant to proceed with the projects.
- A bond issue requires a specific number of years of commitment, usually 10 to 20.
- There are costs associated with bond issues, including consultant and attorney fees and the interest paid over the life of the bond.

2. **Pay as You Go**

Since the School Board has the authority to levy in the General Fund, they could authorize 8 or more mills per year (8 mills funded the recently retired bond issue) for building projects. That revenue would be combined with other existing revenue such as revenue from the Building Fund. Projects would be completed as revenue became available from existing sources.

Pros

- The district would not borrow money so would not obligate the Sinking and Interest Fund nor the Building Fund.
- This option would not require a vote of the people; the School Board could authorize the revenue.
- The Board has the flexibility to adjust the funding plan according to dramatic demographic shifts or other unforeseen events.



BISMARCK PUBLIC SCHOOLS FINANCIAL INFORMATION

Cons

- The projects would take longer to complete because projects would only be started as revenue became available.
- There is not a clear indication of support by the community that an election gives.

3. Borrow from the State School Construction Loan Fund

The School Board could authorize 8 or more mills of revenue from the General Fund, and then borrow money for each project from the State School Construction Loan Fund. State law allows a school district to borrow \$2.5 million from the Fund for each authorized project. The loan is paid back through the Building Fund.

Pros

- Projects can be completed more quickly than by Pay as You Go, because there is another source of revenue.
- The loans could be paid back over time out of the Building Fund.
- The loans are low interest and offered by the State of North Dakota.

Cons

- The Building Fund is obligated for a long period of time. Caution is needed or the Building Fund becomes unavailable for other needs.
- There is not a clear indication of support by the community that an election gives.

BUILDING FUND PROJECTION

	<u>ACTUAL</u> <u>2009-2010</u>	<u>2010-2011</u>	<u>2011-2012</u>	<u>2012-2013</u>	<u>2013-2014</u>	<u>NOTES</u>
BEGINNING BUILDING FUND BALANCE	\$ 6,080,481	\$ 1,185,151	\$ 813,375	\$ 3,104,541	\$ 5,489,270	
<u>REVENUE:</u>						
Property Tax Receipts	\$ 2,340,200	\$ 2,430,000	\$ 2,527,200	\$ 2,628,288	\$ 2,733,420	Growth @ 4% / Year
Interest Income	(96)	0	0	0	0	
State School Construction Loan						
TOTAL REVENUE	\$ 2,340,104	\$ 2,430,000	\$ 2,527,200	\$ 2,628,288	\$ 2,733,420	
<u>EXPENDITURES:</u>						
<u>LOAN PAYMENTS</u>						
Principal Payment on 1999 G.O. Bonds	\$ 45,000	\$ 50,000	\$ 55,000	\$ 65,000	\$ 65,000	Until 2019 @ 4.64% Bal = \$430,000
Interest Payment on 1999 G.O. Bonds	32,960	30,935	28,685	26,210	23,285	
Principal Payment on 2001 G.O. Bonds	78,989	80,919	82,897	84,923	86,998	Until 2021 @ 2.45% Bal = \$669,941
Interest Payment on 2001 G.O. Bonds	26,555	24,624	22,647	20,621	18,545	
Principal Payment on 2003 G.O. Bonds	30,396	31,338	32,309	33,311	34,344	Until 2023 @ 3.10% Bal = \$361,187
Interest Payment on 2003 G.O. Bonds	16,409	15,467	14,496	13,494	12,461	
Subtotal	\$ 230,309	\$ 233,283	\$ 236,034	\$ 243,559	\$ 240,633	
SUNRISE CONSTRUCTION	2,911,296	554,850				
CAREER ACADEMY CONSTRUCTION	4,083,704	1,367,150				
OTHER MAINT & REPAIR PROJECTS	10,125	646,493				
TOTAL COMMITMENTS	\$ 7,235,434	\$ 2,801,776	\$ 236,034	\$ 243,559	\$ 240,633	Total From B. F.
ENDING BUILDING FUND BALANCE	\$ 1,185,151	\$ 813,375	\$ 3,104,541	\$ 5,489,270	\$ 7,982,057	\$7,982,057
<u>PLUS: 15 MILLS FROM GENERAL FUND</u>						
For 08-09 a mill = \$229,323						Total From G. F.
Assuming Growth @ 6% / Year	\$ 3,344,612	\$ 3,225,000	\$ 3,418,500	\$ 3,623,610	\$ 3,841,027	\$17,452,749
TOTAL FUNDS AVAILABLE FOR CONST.	\$ 4,529,763	\$ 7,382,987	\$ 13,092,653	\$ 19,100,992	\$ 25,434,805	\$25,434,805
<u>LESS: EST. COST OF CONST. PROJECTS</u>						
						\$0
						\$0
REMAINING FUNDS AVAILABLE	\$ 4,529,763	\$ 7,382,987	\$ 13,092,653	\$ 19,100,992	\$ 25,434,805	\$0

Comparison of the 16 Study Council School Districts in North Dakota

Student Counts, Taxable Valuations, and Average Cost*

School District Name	Fall Enrollment 2009-2010	Total Avg Daily Membership 2008-2009	Taxable Valuation 2009	Taxable Value Per Pupil (Enrollment)	Avg Cost Per Pupil 2008-2009	Rank	Gen. Fund Mill Levy	Rank	*Total Mill Levy	Rank
Bismarck 1	10,719	11,143.58	243,653,423	22,731	7,744	8	124.60	2	142.03	8
Fargo 1	10,492	10,504.29	249,466,881	23,777	9,625	1	191.31	1	221.77	1
Grand Forks 1	6,925	7,268.07	149,239,508	21,551	8,784	2	123.96	3	139.35	9
West Fargo 6	6,848	6,753.40	162,305,976	23,701	7,641	9	110.00	4	170.64	2
Minot 1	6,623	6,760.47	113,430,597	17,127	8,026	5	108.92	15	133.40	12
Mandan 1	3,169	3,251.98	58,806,685	18,557	7,502	12	109.98	13	157.17	5
Dickinson 1	2,586	2,508.64	50,487,354	19,523	7,970	6	110.00	4	122.36	13
Williston 1	2,275	2,275.53	31,558,091	13,872	7,618	10	109.08	14	121.02	14
Jamestown 1	2,164	2,263.55	38,452,496	17,769	7,377	13	110.00	4	161.39	4
Devils Lake 1	1,678	1,719.89	22,457,948	13,384	8,031	4	110.00	4	133.53	11
Wahpeton 37	1,178	1,280.15	23,472,371	19,926	7,079	15	110.00	4	134.08	10
Valley City 2	1,079	1,102.24	23,514,378	21,793	7,132	14	110.00	4	145.66	6
Grafton 3	869	871.35	11,032,032	12,695	8,068	3	110.00	4	164.46	3
Beulah 27	674	692.40	11,947,833	17,727	7,520	11	110.00	4	142.51	7
Bottineau 1	603	673.69	19,994,511	33,158	7,942	7	73.63	16	85.98	16
Rugby 5	567	565.03	11,618,978	20,492	6,919	16	110.00	4	121.00	15
Statewide Averages				22,664	8,516.89		119.21		144.61	