

Minnesota State Colleges & Universities
Facilities Master Plan Update for



June - 2016

*Hutchinson Main Campus
2 Century Ave SE
Hutchinson, MN 55350
(320) 234-8500*

*Business Development Center
980 2nd Ave. SE
Hutchinson, MN 55350*

*Willmar Campus
2101 15th Ave NW
Willmar, MN 56201
(320) 222-5200*

Document Prepared by:

Hay Dobbs, P.A.
Minneapolis, Minnesota

Acknowledgments to:

Minnesota State Colleges and Universities
Ridgewater College

Master Planning Committee:

Douglas Allen	President
Mike Boehme	Dean of Instruction
Sam Bowen	Dean of Customized Training & Continuing Education
Tim Furr	Chief Information Office
Dan Holtz	VP of Finance & Operations
Mike Kutzke	Dean of Instruction
Heidi Olson	Dean of Student Services
Kip Overson	Physical Plant Director
Ellen Roster	Director of Institutional Effectiveness
Alan Stage	Dean of Instruction
Betty Strehlow	V.P. of Academic & Student Affairs
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NOTE: This Comprehensive Facilities Master Plan merges Framework for Campus and Building Development into one section and is therefore comprised of five sections instead of six.

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SECTION I: FACILITY MASTER PLAN SUMMARY

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06/27, 2016

Mr. Daniel Holtz
Vice President of Finance and Operations
Ridgewater College
2101 15th Avenue NW
Willmar, MN 56201

Re: Ridgewater College Facilities Master Plan Update

Dear Mr. Holtz,

We are pleased to submit to you the Ridgewater College Facilities Master Plan. This document, approved by Ridgewater College, meets the requirements of the Minnesota State Colleges and Universities guide for master plan updates.

Please grant us this opportunity to thank you, the staff, and faculty who participated throughout the development of the Ridgewater College Facilities Master Plan. The development of a realizable Master Plan for the college was made possible through their engagement, enthusiasm, and constructive feedback. We look forward to seeing the future implementation of projects outlined within the capital plan, and assisting Ridgewater College in continuing this process.

Best Regards,

Thomas Dobbs, R.A., C.I.D., NCARB, LEED-AP

Principal

Hay Dobbs P.A.

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June 23, 2016

The Master Facilities Plan of Ridgewater College supports Minnesota State's strategic directions and is both a reflection of our mission and values and supportive of them. Ridgewater College's mission is to provide quality educational opportunities for diverse student learners in an inclusive, supportive and accessible environment.

We value a learning environment that:

- Focuses on student needs and student success.
- Equips students to think critically and creatively, solve problems, and adapt to a rapidly changing world.
- Embraces diversity of thought, diversity of individual background, and affirms the worth and dignity of each individual.
- Focuses on continuous improvement by establishing success indicators, measuring against those indicators and using the results to make strategic decisions.
- Promotes ethical and honest behavior and accountability at both an institutional and individual level.
- Demonstrates and reinforces the value of lifelong learning.
- Reaches beyond the college's walls to the community, the region, and the world.

A commitment to those values is reflected throughout the Facilities Master Plan and support directly and indirectly the college's master academic plan goals as well.

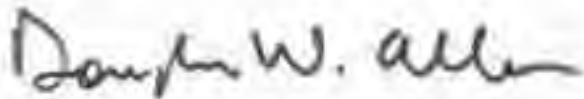
- Master Academic Plan Goal 1: Promote Access to the College
- Master Academic Plan Goal 2: Commit to Student Learning
- Master Academic Plan Goal 3: Promote Economic Vitality
- Master Academic Plan Goal 4: Exemplify Innovation and Collaboration

Master Facility Plan Goals

- Create More Places to Support a Culture of Collaboration
- Create a More Contemporary Feeling Campus
- Reduce Deferred Maintenance Backlog
- Create Multi-Functional/Flexible Spaces
- Express and Support the Ridgewater College Brand

All of Ridgewater's constituent groups, faculty, staff, and administration as well as community members were consulted in the process of developing this plan. The plan will guide Ridgewater College into the future and support our efforts to serve students and the region.

Sincerely,



Douglas W. Allen
President

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1.1 Executive Summary

Ridgewater College has campuses in Willmar, MN and Hutchinson, MN and primarily serves Central and West Central Minnesota. Ridgewater College was established in 1996 when the Willmar Community College merged with the Hutchinson-Willmar Regional Technical College. Ridgewater College was formed as a community and technical college, and has a headcount enrollment of 3,753. The college also serves an additional 7,837 learners through Customized Training and Continuing Education programs. The largest programs at Ridgewater College include, Advanced Manufacturing, Agriculture, Liberal Arts and Sciences, Nursing/Allied Health, Administrative Support and Veterinary Technology.

The planning process used to develop the Ridgewater College master plan update was based on a five-phase planning process unique to Hay Dobbs. During the early phases of the work extensive research, data collection, polling and listening were undertaken. Online surveys were used to gather input from faculty, staff and students from all of the campuses. During all phases of the master plan process, there were meetings, workshops, surveys, and presentations with the Master Planning Advisory Committee. The data, input, and information gathered throughout the process was instrumental in working with Ridgewater College to develop principles and initiatives that reflect the college's values, and both short and long-term goals. Meeting agendas, workshop information, and other supporting material can be found in the appendix.

The Ridgewater College campus locations are within Kandiyohi and McLeod counties. Kandiyohi County and the City of Willmar are seeing slow, but steady growth. McLeod County has shown a slightly faster, but equally as steady rate of growth. Ridgewater College's enrollment has fluctuated over the past 10 years, but has shown a slight decline overall. Current projections show enrollment stabilization at near 2,900 students by 2017. These trends continue to inform the current master plan update.

This Facilities Master Plan Update articulates necessary maintenance and facilities improvements at each of the Ridgewater College Campuses. The update is created within the context of working toward a long-term campus vision by implementing strategic short and mid-term projects. Ridgewater College has developed the following principles to guide projects that will support and strengthen top-tier programs, improve overall student success, and strengthen the Ridgewater College brand:

- Create more places to support a culture of collaboration
- Create a more contemporary feeling campus
- Reduce deferred maintenance backlog
- Create multi-functional / flexible spaces
- Express and support the Ridgewater College Brand

The industries served by many of the top programs at Ridgewater College are rapidly changing, and as such, the college must update its current facilities to ensure that graduates are well prepared to enter the workforce. Continuing the development of top-tier programs ensures that the Ridgewater College can remain a leader amongst peer institutions, helping to attract prospective students. Repurposing underutilized spaces into collaborative study and learning areas will enhance student success and create a more active and engaging collegiate environment. Future construction projects will reduce critical deferred maintenance needs while growing key programs that differentiate and define Ridgewater College while supporting recruiting and retention of students.

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1.2 Master Plan Update Summary

This Facilities Master Plan Update contains short and mid-term projects to address identified campus needs. The immediate implementation of facility improvements are necessary to ensure that the campus environment can support long-term college goals.



Ridgewater College is a multi campus college with unique program offerings and is a leader among peer institutions. Although the needs of the Hutchinson and Willmar campuses are different, the college has a strong, cohesive vision and a commitment to excellence. Through the Master Plan Update process, the Ridgewater College has identified a number of short and mid-term projects that will address current and future needs at all campus locations. Ridgewater College has developed the following principles to inform the master plan process:

- Create more places to support a culture of collaboration
- Create a more contemporary feeling campus
- Reduce deferred maintenance backlog
- Create multi-functional / flexible spaces
- Express and support the Ridgewater College Brand

Through the planning process, the guiding principles were used to provide a framework for discussion and develop a more specific set of initiatives. Ridgewater College developed the following initiatives to identify needs and solutions at all campus locations:

- Address deferred maintenance
- Convert underutilized common areas into collaborative spaces
- Introduce more collaborative classroom space
- Repurpose underutilized spaces
- Improve campus landscape
- Leverage robust programs

The master plan update identifies projects that address critical needs as identified by Ridgewater College. These projects are developed within the framework provided by the guiding principles and initiatives and are in pursuit of long-term campus goals. Ridgewater College is committed to strengthening top-tier programs and remaining a leader among peer institutions. Through the master plan process and with the participation of the campus community, projects were identified and prioritized for each respective campus. An implementation schedule was developed for each campus as well as for the college as a whole, for capital requests and other funding opportunities.

Improvement Opportunities

Improvement Opportunities - Hutchinson Campus:

The main Hutchinson Campus houses the growing Welding, Manufacturing, and Non-Destructive Testing programs. The Ridgewater College Business Development Center, formerly known as the Hutchinson East Campus, supports number of industry partnership opportunities and specialized training. There is significant need to expand the Advanced Manufacturing space to effectively prepare students for a rapidly growing and changing industry. Ridgewater College has identified key actions necessary to align the campus with long-term college goals:

- Reduce deferred maintenance
- Expand Welding and Advanced Manufacturing lab space
- Create additional collaborative spaces in common areas
- Replace roof at the Business Development Center
- Refresh classrooms and common areas
- Relocate and consolidate fragmented program elements
- Enhance east entry to improve appearance, wayfinding, and expression of the Ridgewater College Brand

An expanded discussion of improvement opportunities is available in Section IV



**Unless otherwise noted, projects listed are at the Hutchinson Main Campus*

Improvement Opportunities



Improvement Opportunities - Willmar Campus:

The Ridgewater College Willmar Campus is home to several of the college's top programs. The Agriculture and Sciences programs, located on the Willmar Campus, are in need of additional lab space to support growth and a rapidly changing industry need, driven largely by the infusion of robust technology into these industries. In addition to facility updates to support program growth, the campus will take advantage of underutilized common areas through repurposing them into collaborative learning spaces. Ridgewater College has identified a number of key improvement opportunities at the Willmar Campus:

- Reduce deferred maintenance
- Create collaborative Business Classrooms/Business Hub
- Develop new collaborative study spaces
- Construct a new Ag Mechanics lab to support a new Agricultural Equipment Service Technician program
- Construct a new teaching greenhouse to support growth and change in the Agriculture and Science programs
- Refresh classrooms and common areas
- Continue to renovate toilets throughout campus
- Upgrade and improve the gym entry

An expanded discussion of improvement opportunities is available in Section IV



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1.3 College Profile

College Location

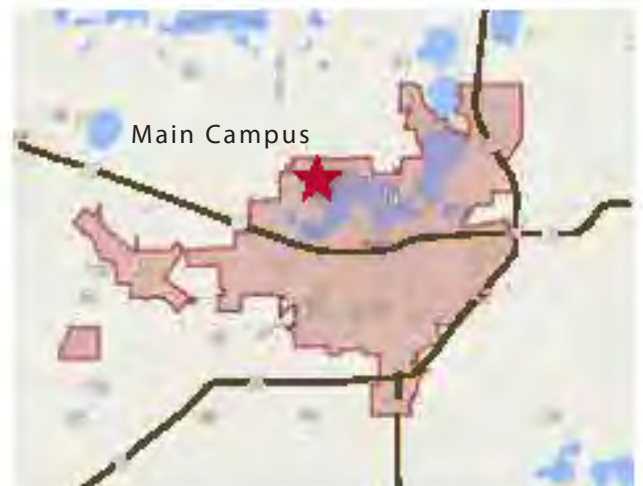
Ridgewater College includes campuses in Hutchinson, Minnesota and Willmar, Minnesota. The Hutchinson Campus is approximately 65 miles from Minneapolis/St. Paul and the Willmar Campus is approximately 100 miles from Minneapolis/St. Paul. The two campuses are approximately 50 miles apart.



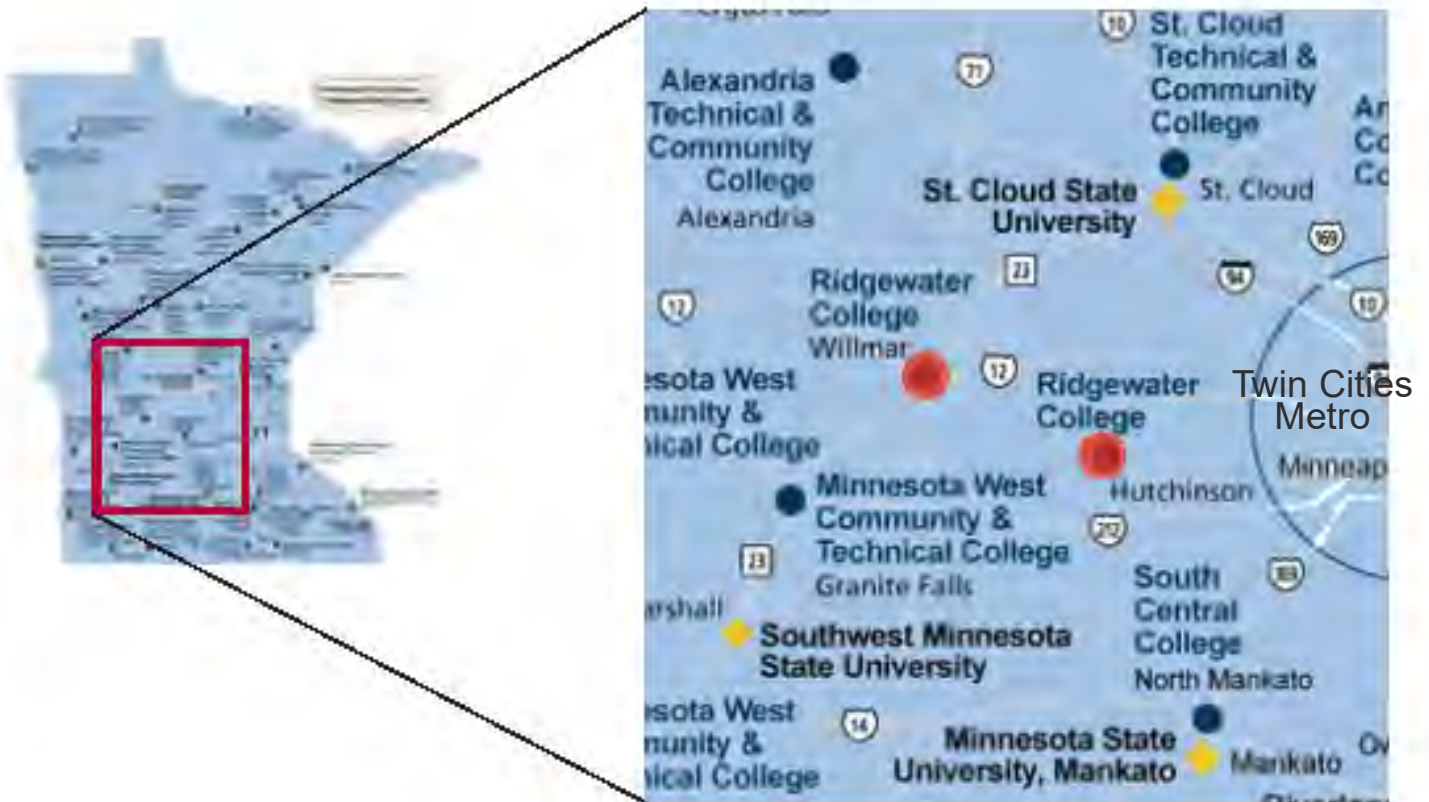
HUTCHINSON



WILLMAR



Campus Regional Context



Distance Between MnSCU Campuses*

	Ridgewater Hutchinson	Ridgewater Willmar	SCSU/SCTC	Alexandria TCC	MSU Mankato/SCC	SMSU	MnWest - Granite Falls	Twin Cities Metro
Ridgewater Hutchinson		50	57	110	67	100	69	65
Ridgewater Willmar	50		63	64	106	68	37	100
SCSU/SCTC	57	63						
Alexandria TCC	110	64						
MSU Mankato/SCC	67	106						
SMSU	100	68						
MnWest - Granite Falls	69	37						
Twin Cities Metro	65	100						

*Distances are in miles and approximate

Main (Site 1) and Business Development Center (Site 2)



Site 1: Main Campus Site 2: Business Development Center

Ridgewater College

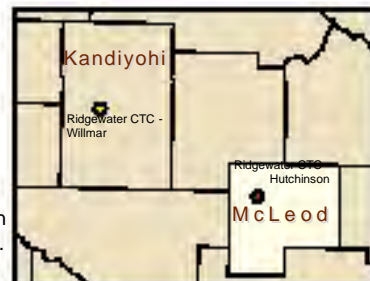
Hutchinson **Owned Property**



As of June 30, 2009

This map was created for display purposes only. It should not be used for accurate measurements or where a survey is required.

Sources: McLeod County, Ridgewater College Master Plan (2005), USDA FSA DOQ (2008).



Main Campus Boundaries - Hutchinson



Ridgewater College

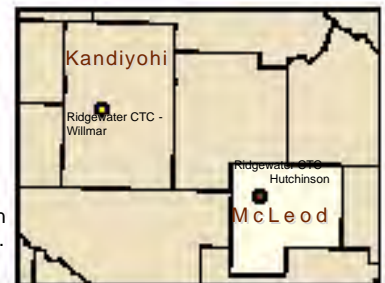
Hutchinson Main Campus



As of June 30, 2009

This map was created for display purposes only. It should not be used for accurate measurements or where a survey is required.

Sources: McLeod County, Ridgewater College Master Plan (2005), USDA FSA DOQ (2008).



Main Campus Boundaries - Willmar



Ridgewater College **Willmar Campus**



As of June 30, 2009

This map was created for display purposes only. It should not be used for accurate measurements or when a survey is required.

Sources: McLeod County, Ridgewater College Master Plan (2005), USDA FSA DOQ (2008).



College History

Ridgewater College was established in 1996 when Willmar Community College merged with the Hutchinson-Willmar Regional Technical College. Ridgewater College was formed as a community and technical college, and has an enrollment that has grown to more than 3,700 students(head count enrollment). As a comprehensive college, Ridgewater College offers students a wide array of programs that range from certificates to two-year associate degrees.

Willmar Community College was established on March 7, 1961, and is located on land and facilities formerly used by a United States Air Force Radar Station. Willmar Community College was a comprehensive institution offering technical programs, college transfer courses and continuing education classes.

In 1963, the Minnesota Legislature created a State Junior College Board authorized to develop and govern a system of public junior colleges. As a result of this action, Willmar Community College was divided (in 1965) into two campuses and identities: Willmar State Junior College and Willmar Area Vocational-Technical Institute. In 1969 when separate funding became available for new facilities at both institutions, the two schools hired the same architecture firm to maintain a consistent aesthetic at the two campuses. Several name changes occurred whereby Willmar State Junior College reassumed the name of Willmar Community College and Willmar Area Vocational-Technical Institute eventually became Willmar Technical College.

In 1969, The State Board of Technical Education designated Hutchinson as a location for a vocational technical institute which led to the opening of Hutchinson Area Vocational Technical Institute in 1972. The original facility was expanded in 1976 and 2001. In 1992, Willmar Technical College and Hutchinson Technical College were consolidated to create Hutchinson-Willmar Regional Technical College.

College Timeline:

1961: Willmar Community College was established on a former US Air Force Base.

1963: The 1963 Minnesota Junior College Act was passed

1965: The College was divided into two campuses (Willmar State Junior College, Willmar Area Vo-Tech Institute).

1969: The two schools hired the same architect to maintain a consistent aesthetic between the two campuses.

1969: The State Board of Technical Education designated Hutchinson as a location for a new vocational technical institute.

1972: Hutchinson Area Vocational Technical Institute opens.

1992: Willmar Technical College and Hutchinson Technical College consolidate to create Hutchinson-Willmar Regional Technical College.

1996: Hutchinson-Willmar Regional Technical College and Willmar Community College merged to form Ridgewater College.

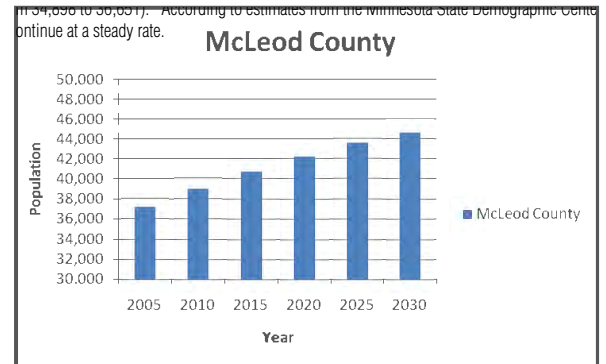
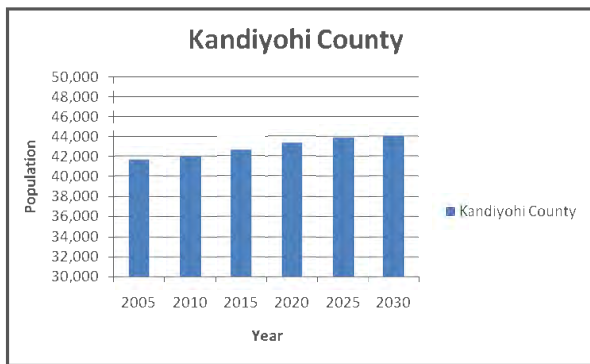
1.4 Regional Demographics

Kandiyohi County - Willmar Campus:

According to estimates from the Minnesota State Demographic Center, Kandiyohi County and the city of Willmar are seeing slow, but steady population growth. From 2000 to 2010, Kandiyohi County grew 2.5% (from 41,203 to 42,239). The Minnesota State Demographer expects to see continuing growth in Willmar and Kandiyohi County in the future. Projected population changes in Kandiyohi County mirror the state overall, but on a smaller scale. According to the 2010 Census, Kandiyohi County had a population of 42,239.

McLeod County - Hutchinson Campus:

According to the 2010 Census, McLeod County is seeing steady population growth. From 2000 to 2010, McLeod County grew 5% (from 34,898 to 36,651). According to estimates from the Minnesota State Demographic Center, this growth is expected to continue at a steady rate.



The ethnicity of the regional populations has changed significantly; a trend that is projected to continue. A report from the state demographer's office, "Minnesota Population Projections by Race and Hispanic Origin 2000-2005" included the following projections:

- Minnesota's nonwhite and Latino populations will grow substantially faster than the white population
- Nonwhite and Latino populations are younger and will continue to be so in the future
- In every racial and ethnic group, the middle-aged and older population will increase more rapidly than the younger population

Regional Demographics

Populations Growth Projections

	White	Black	Asian	American Indian	Mixed Race	Hispanic /Latino
Growth 2000-2015	11%	64%	69%	32%	98%	98%
Growth 2015-2030	6%	31%	31%	21%	73%	44%

Caucasian

- Older on average; by 2030, only 18% under age of 15 and 23% age 65 or older
- Suburban and north central counties showing highest rates of growth

African-American

- Will remain Minnesota's largest nonwhite racial group
- Will share in the general aging of the population
- Rate of growth is projected to be greater in suburban counties

Asian

- Number in Minnesota is very small
- Age distribution is currently very young
- Rates of growth will be extremely high in many suburban counties

American Indian/Alaskan Native

- Grow more slowly than other nonwhite populations
- Age structure will become older
- Little net in-migration from other states

Two or More Races

- Will grow dramatically in all parts of Minnesota
- Will remain much younger, on average, than other racial or ethnic groups
- Proportion of births is increasing

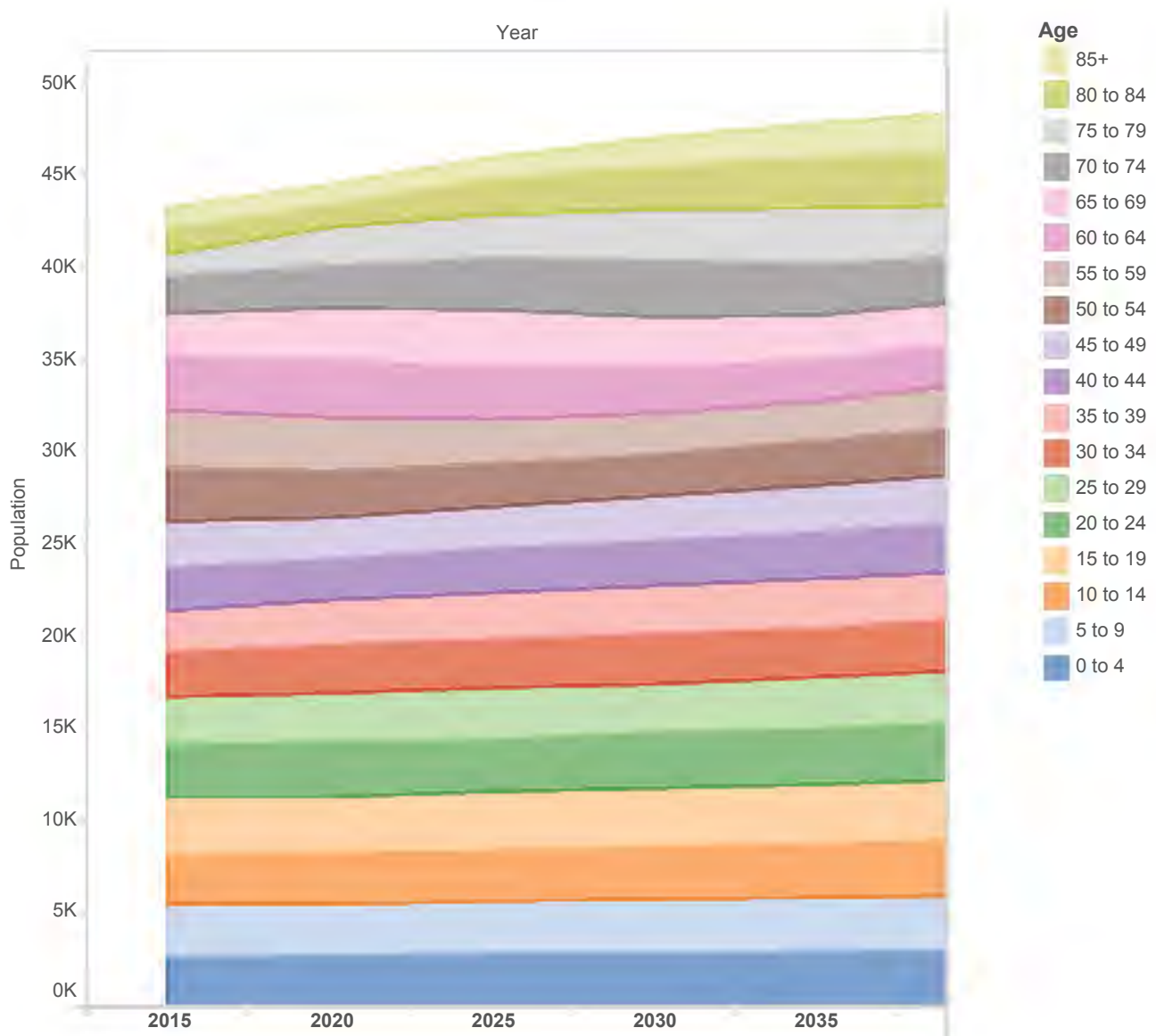
Latino

- Will grow rapidly
- Growth attributed to in-migration and high rate of natural increase

Regional Demographics

KANDIYOHI COUNTY - WILLMAR CAMPUS

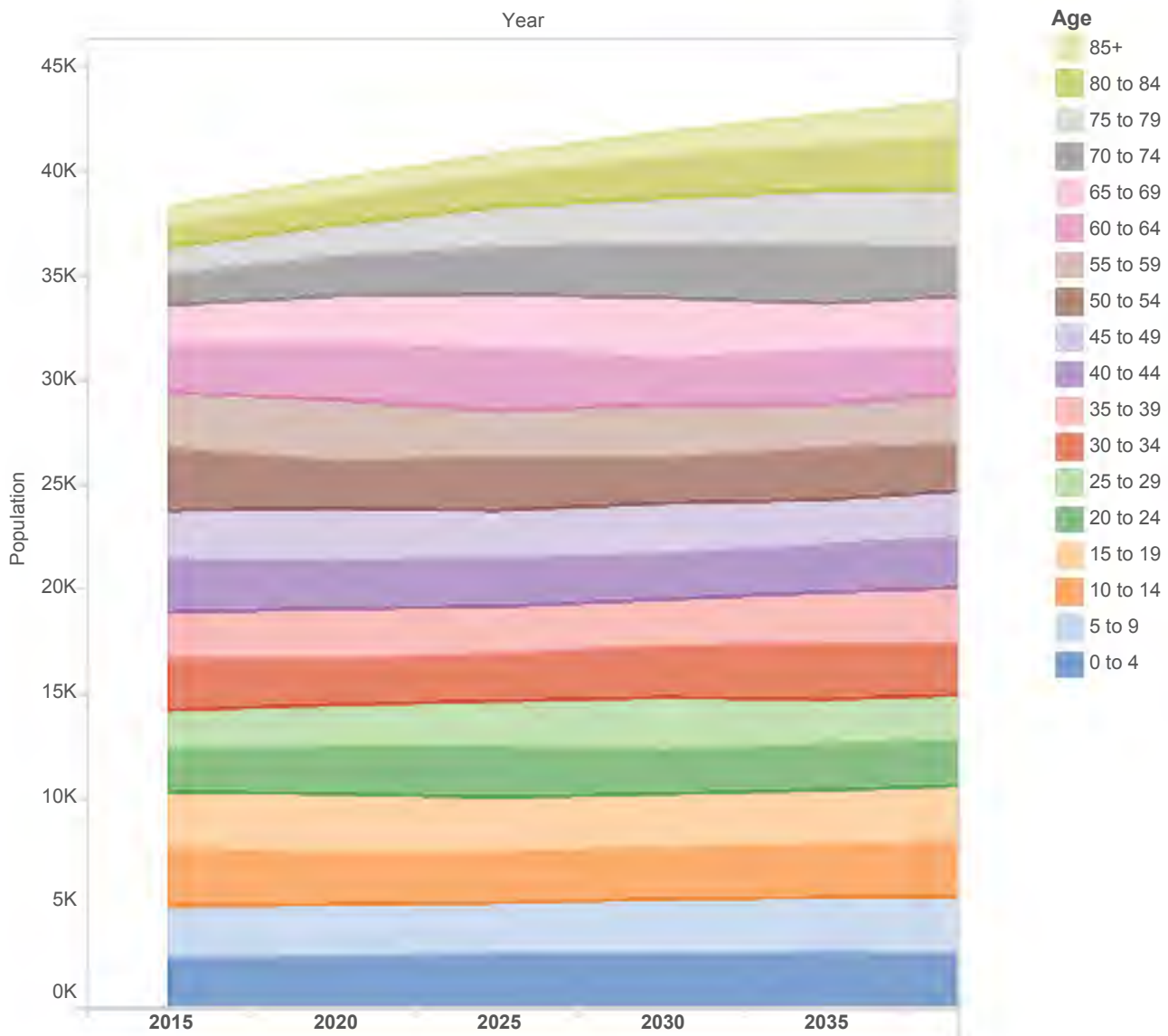
Population projections, by age, through 2045



Regional Demographics

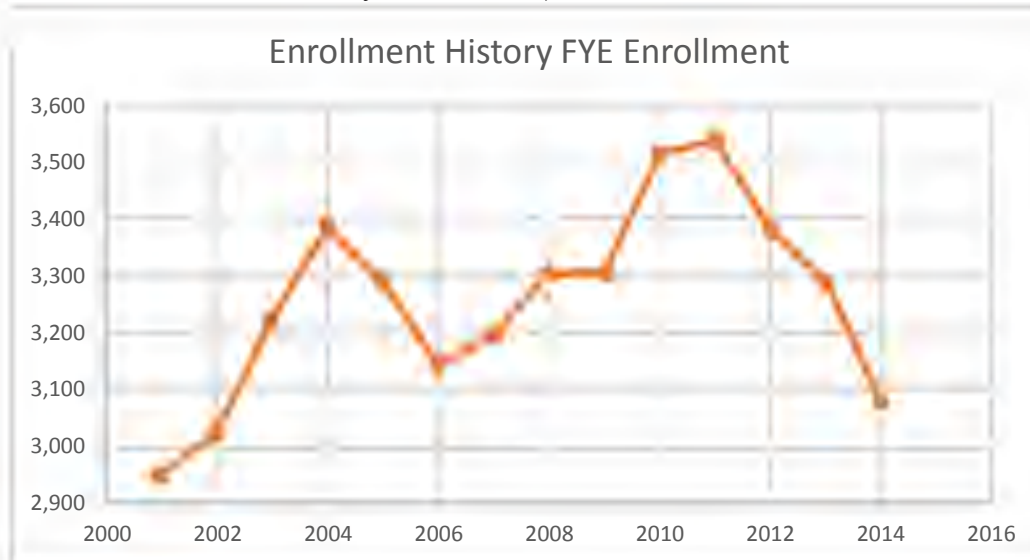
MCLEOD COUNTY - HUTCHINSON CAMPUS

Population projections, by age, through 2045



1.5 Enrollment

Enrollment History and Projections



FYE- Historic & Projections												
	Actual FY 2006	Actual FY 2007	Actual FY 2008	Actual FY 2009	Actual FY 2010	Actual FY 2011	Actual FY 2012	Actual FY 2013	Actual FY 2014	Projected FY 2015	Projected FY 2016	Projected FY 2017
Ridgewater	3,145	3,196	3,304	3,306	3,514	3,537	3,381	3,288	3,077	2,825	2,750	2,900

Source: MnSCU Finance Division as of February 2015

Fiscal Year Equivalent by Campus					
	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015*
Hutchinson Campus	1094.032	1043.733	1013.818	905.750	837.049
Willmar Campus	2035.617	1916.783	1801.701	1669.367	1530.234
Online	407.167	418.467	471.500	502.100	492.400
Ridgewater	3537.000	3381.000	3287.019	3077.217	2859.683

* Preliminary as of 6/25/15

New/Returning Students by Full/Part-Time Status Fall 2014						
	Part-Time		Full-Time		Total	
	Count	Percent	Count	Percent	Count	Percent
New*	572	33.8%	849	41.2%	1421	37.9%
Returning	1118	66.2%	1214	58.8%	2332	62.1%
Total	1690		2063		3753	

*New student in the summer or fall.

Historic enrollment from area high schools feeding the largest number of students to Ridgewater College

	Number of Students Attending Ridgewater College					
	Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
Atwater-Cosmos-Grove City Hs	13	18	17	14	18	11
Benson Senior High School	13	14	19	8	4	7
Bold High School	14	21	17	11	10	13
Dassel-Cokato High School	18	26	18	15	18	20
Glencoe-Silver Lake High Sch	13	21	31	21	19	19
Hutchinson High School	30	33	36	27	40	44
Kerkhoven Murdock Sunburg Hs	10	16	23	9	13	12
Litchfield Senior High School	22	22	16	18	21	21
Maccray High School	9	27	20	16	13	8
New London-Spicer High School	31	37	30	26	19	26
Willmar Senior High School	71	84	70	82	70	68

2014: Ridgewater College Institutional Effectiveness Office

Predictions of high school graduating class size per county

	High School Graduation Class Size Estimates by County												
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Kandiyohi	393	406	412	479	439	381	430	419	430	414	432	403	445
McLeod	465	387	420	413	395	399	402	401	398	380	399	364	361
Meeker	266	257	272	251	261	274	243	250	263	255	239	259	261
Renville	127	142	147	144	131	139	132	142	113	147	134	148	128
Swift	107	124	132	91	101	102	127	107	107	121	113	126	124
Wright	2,104	1,943	2,093	2,002	2,009	2,009	2,061	2,103	2,016	2,099	2,147	2,026	1,970
Total	3,462	3,259	3,476	3,380	3,336	3,304	3,395	3,422	3,327	3,416	3,464	3,326	3,289

Source: 2015-2028: Minnesota Department of Education, Student Data Reports and Analytics, 2014-15 Enrollment by Ethnicity/Gender, retrieved 3/22/2015

Predictions of high school graduating class minority population per county

	High School Graduation Class Minority Enrollment Size Estimates by County												
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Kandiyohi	84	116	147	229	150	144	165	161	174	176	175	174	185
McLeod	51	38	58	37	49	54	52	54	48	65	51	64	50
Meeker	19	17	20	17	20	19	23	22	28	21	26	20	23
Renville	14	23	30	38	37	27	38	33	30	27	20	35	23
Swift	8	11	10	13	12	10	9	11	11	15	16	16	19
Wright	151	156	150	147	161	151	167	180	169	191	183	199	176
Total	327	361	415	481	429	405	454	461	460	495	471	508	476

Source: 2015-2028: Minnesota Department of Education, Student Data Reports and Analytics, 2014-15 Enrollment by Ethnicity/Gender, retrieved 3/22/2015

Program Enrollment Highlights *As of 2015, Minimum of 10 FYE*

TOP TEN ENROLLED PROGRAMS

<u>Program</u>	<u>FYE</u>	<u>% of Total FYE</u>
Agriculture	247	8.86 %
English	181	6.34 %
Mathematics	156	5.47 %
Non Destructive Testing	132	4.61 %
Farm Business Management	120	4.19 %
Communication Studies	116	4.07 %
Psychology	111	3.89 %
Biology	110	3.83 %
Nursing	110	3.83 %
Veterinary Technology	91	3.19 %

TOP TEN 5 YR. PROGRAM GROWTH %

<u>Program</u>	<u>FYE</u>	<u>Program Growth</u>
Health Information Tech.	27	+ 41%
Geography	21	+ 39%
Early Childhood Education	24	+ 32%
Non Destructive Testing	132	+ 28%
Philosophy	37	+ 21%
Computer Aided Draft/Des.	42	+ 21%
Agriculture	247	+ 20%
Machine Tool Tech.	18	+ 17%
Welding	74	+ 12%
Activity Director	16	+ 4%

TOP TWELVE 5 YR. PROGRAM GROWTH FYE

<u>Program</u>	<u>FYE</u>	<u>FYE Gain</u>
Agriculture	247	+ 40
Emergency Medical Services	57	+ 31
Non Destructive Testing	132	+ 29
Reading	24	+ 24
Welding	74	+ 8
Health Information Tech.	27	+ 8
Computer Aided Draft/Des.	42	+ 7
Philosophy	37	+ 7
Early Childhood Education	24	+ 6
Geography	21	+ 6
Machine Tool Technology	18	+ 3
Engineering Technology	11	+ 3

TOP TWELVE 5 YR. PROGRAM REDUCTION %

<u>Program</u>	<u>FYE</u>	<u>Program Loss</u>
Public Health	12	- 68%
Multimedia Design Tech	14	- 61%
Accounting	22	- 59%
Admin. Support Careers	59	- 53%
Business	17	- 53%
Auto Mechanics Technology	34	- 51%
Auto Body Collision Tech	35	- 49%
Human Services	17	- 47%
Computer Systems Tech.	58	- 44%
History	38	- 41%
Carpentry	16	- 34%
Law Enforcement	33	- 33%

1.6 College Demographics

Gender by Age Group - Fall 2014								
	Female		Male		Unknown		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Under 18	235	12%	104	6%	0	0%	339	9%
18-20	664	34%	792	44%	3	25%	1,459	39%
21-24	351	18%	272	15%	2	17%	625	17%
25-29	241	12%	185	10%	0	0%	426	11%
30-39	255	13%	210	12%	1	8%	466	12%
40 and older	212	11%	206	12%	2	17%	420	11%
No response	3	0%	11	1%	4	33%	18	0%
Total	1,961		1,780		12		3,753	

Average Age by Full-Time and Part-Time			
	All Students Mean	Full-Time Mean	Part-Time Mean
Fall 2009	27	23	32
Fall 2010	27	24	31
Fall 2011	27	24	31
Fall 2012	26	23	30
Fall 2013	25	23	29
Fall 2014	25	22	29

Student Headcount By Fall Term and Age Category										
	Fall 2010		Fall 2011		Fall 2012		Fall 2013		Fall 2014	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Under 18	226	5%	231	6%	272	7%	274	7%	339	9%
18-20	1647	38%	1625	39%	1583	39%	1570	42%	1459	39%
21-24	773	18%	709	17%	729	18%	642	17%	625	17%
25-29	514	12%	421	10%	438	11%	407	11%	426	11%
30-39	544	12%	519	13%	447	11%	457	12%	466	12%
40 and older	655	15%	624	15%	579	14%	409	11%	420	11%
No response	16	0%	21	1%	20	0%	7	0%	18	0%
Total	4375		4150		4068		3766		3753	

Race/Ethnicity Student Headcount										
	Fall 2010		Fall 2011		Fall 2012		Fall 2013		Fall 2014	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Asian	32	1%	52	1%	35	1%	36	1%	41	1%
Black	102	2%	113	3%	127	3%	165	4%	164	4%
Hispanic	165	4%	152	4%	142	3%	179	5%	187	5%
Indian/Alaskan	32	1%	35	1%	24	1%	26	1%	22	1%
Non-Citizen	2	0%	1	0%	3	0%	1	0%	4	0%
Pacific Islander	6	0%	6	0%	7	0%	4	0%	3	0%
Unknown [coded]	19	0%	16	0%	7	0%	3	0%	22	1%
Unknown [uncoded]	46	1%	44	1%	26	1%	22	1%	61	2%
White	3971	91%	3731	90%	3697	91%	3330	88%	3249	87%
Total	4375		4150		4068		3766		3753	

New* Students by Admission Status

	Fall 2010		Fall 2011		Fall 2012		Fall 2013		Fall 2014	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
High School	2	0.1%	5	0.4%	8	0.6%	10	0.8%	14	1.0%
PSEO Regular	145	10.1%	164	11.7%	153	11.8%	206	15.6%	244	17.2%
UNDG Prev Degree	19	1.3%	22	1.6%	14	1.1%	15	1.1%	28	2.0%
Undergrad Regular	814	56.8%	796	56.6%	654	50.3%	665	50.4%	659	46.4%
Undergrad Transfer	347	24.2%	307	21.8%	353	27.2%	332	25.2%	337	23.7%
Undergrad Unclassified	107	7.5%	113	8.0%	117	9.0%	91	6.9%	139	9.8%
Total	1434		1407		1299		1319		1421	

*New student in the summer or fall.

Average Credit Load by Term

	Fall 2010 Mean	Fall 2011 Mean	Fall 2012 Mean	Fall 2013 Mean	Fall 2014 Mean
Part-time	6.2	6.4	6.4	6.8	6.5
Full-time	14.8	14.8	14.8	14.7	14.8
Average	11.6	11.5	11.4	11.6	11.1

Student Class Headcount by End of Fall Term

	Hutchinson Campus				Willmar Campus				All of Ridgewater				Ridgewater Total Hdct
	Freshman	Previous Degree	Sophomore	Special Student	Freshman	Previous Degree	Sophomore	Special Student	Freshman	Previous Degree	Sophomore	Special Student	
Fall 2010	520	33	842	225	952	42	1561	200	1472	75	2403	425	4375
Fall 2011	466	40	853	253	852	34	1450	202	1318	74	2303	455	4150
Fall 2012	456	35	880	247	776	28	1381	265	1232	63	2261	512	4068
Fall 2013	451	35	817	226	764	24	1238	211	1215	59	2055	437	3766
Fall 2014	460	41	756	271	751	39	1152	283	1211	80	1908	554	3753

1.7 Academic/Workforce

Future development at Ridgewater College is driven by a number of workforce and academic factors. The following is a summary of needs that have been identified by the college and are addressed through the implementation of projects identified in subsequent sections of the master plan:

- **Advanced Manufacturing:** Ridgewater College is currently redesigning and expanding the Advanced Manufacturing Program to meet the growing needs of industry. This industry relies heavily on graduates that are highly skilled in automation and specialized manufacturing. A key factor guiding the change is the Minnesota Advanced Manufacturing Partnership (MnAMP) DOL grant. The research done for the grant, and subsequent LMI data identifies a significant shortage of skilled technicians in Automation and Mechatronics, Welding, and Machining. In addition to the DOL Grant and LMI data, a recent report by Real Time Talent shows advertised manufacturing jobs are up 16% since 2014. Ridgewater College has identified that the current facilities are a significant barrier to the growth of these programs.
- **Welding:** Based on regional industry demand for welders, the college has increased the capacity of the welding program in Hutchinson by approximately 40%. This increase was accomplished by adding afternoon/evening class sections. Despite the scheduling changes, Ridgewater College is desperately short on space and struggling with critical health/safety issues. To resolve these issues, the welding shop area must be expanded by approximately 50%. This expansion would be accomplished by remodeling existing space.
- **Automated Systems and Robotics (Mechatronics):** The current lab space is overcrowded with equipment and student projects. Ridgewater College expanded the lab space two years ago, but has recently outgrown that additional space. To adequately meet the needs of this growing program, the amount of lab space should be doubled.
- **Agriculture:** At Ridgewater College the Agriculture Program offerings have the largest combined enrollment of any technical program at the Willmar campus. Currently, because of facility limitations, we are not meeting the needs of industry in two areas – agriculture equipment service, and laboratory courses related to agronomy and related crop sciences.
- **Biology:** There currently is a connection between the Science and Agriculture programs at Ridgewater College. The addition of a new teaching greenhouse space will strengthen the connection between the Sciences and Agriculture and better prepare graduates for careers within the rapidly changing agricultural industry.



SECTION II: EXISTING SITE CONDITIONS

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2.1 Hutchinson Main Campus

HUTCHINSON MAIN CAMPUS



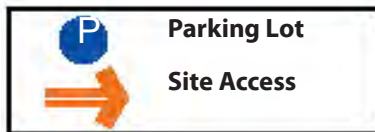
Campus Acreage:

Main Campus	37.0
Tillable Acres	14.1
Wetland	1.2
Total:	52.3 Acres

SITE ACCESS AND PARKING



Campus Parking Capacity: 642 Stalls



The current parking capacity is adequate to serve students, faculty, staff and visitors.

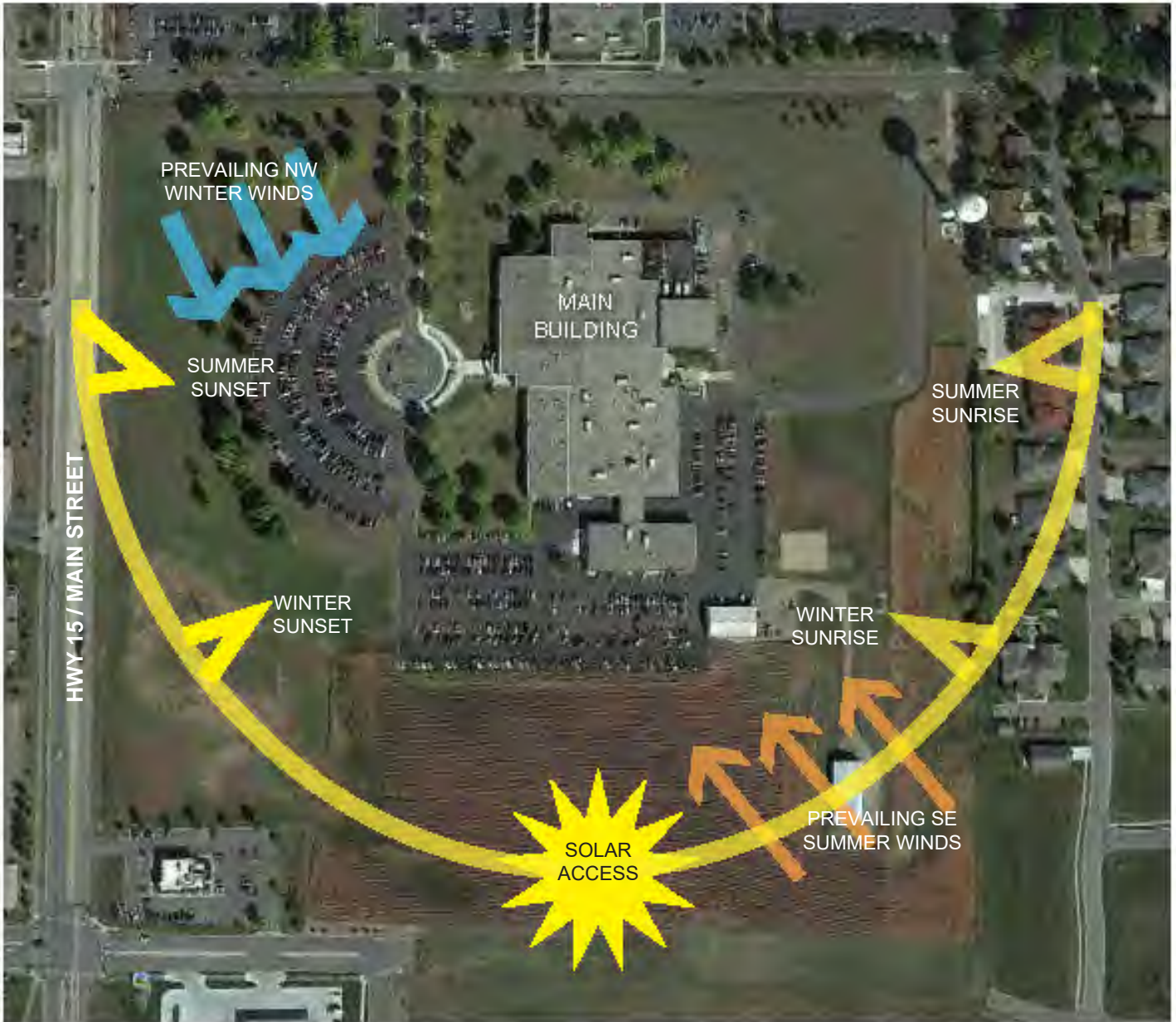


CAMPUS EXTERIOR SIGNAGE AND WAYFINDING

There is good exterior signage to support wayfinding on the main Hutchinson campus. Signage consists of a monument sign with a readerboard near the adjacent roadway, campus entry directory signage and on-site directory signage as well as building signage at the current primary entry on the west side of the building.



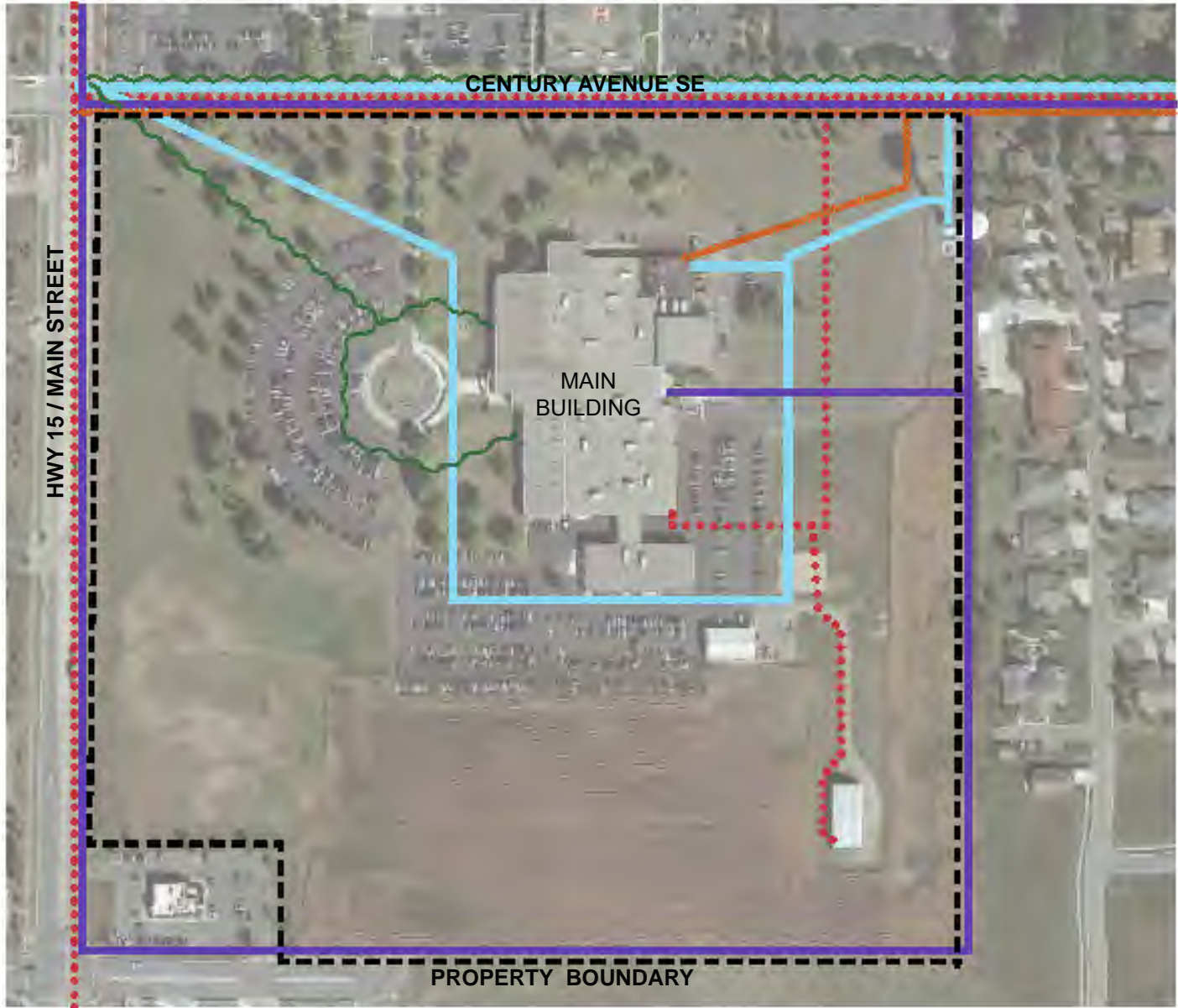
ENVIRONMENTAL FACTORS



OUTDOOR SPACES AND USES



UTILITIES



Gas Line

Power

Storm Sewer

Sanitary Sewer

Water Supply

2.2 Hutchinson Business Development Center

HUTCHINSON BUSINESS DEVELOPMENT CENTER

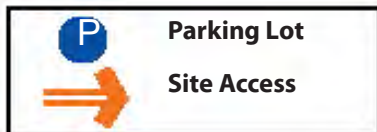


Campus Acreage:
Hutchinson Business Development Center 6.6 Acres

SITE ACCESS AND PARKING



Campus Parking Capacity: 86 Stalls



The current parking capacity is adequate to serve students, faculty, staff and visitors.



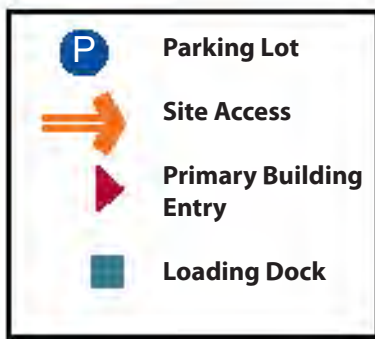
2.3 Willmar Campus

WILLMAR CAMPUS



Campus Acreage:	
Campus	145.3
Tillable Acres	57.7
Total:	203 Acres

SITE ACCESS AND PARKING



Campus Parking Capacity: 1,562 Stalls

The current parking capacity is adequate to serve students, faculty, staff and visitors.



CAMPUS EXTERIOR SIGNAGE AND WAYFINDING

There is good exterior signage to support wayfinding on the Willmar campus. Signage consists of a monument sign with a readerboard near the adjacent roadway, campus entry directory signage and on-site directory signage as well as building signage at the current primary entry of the building.



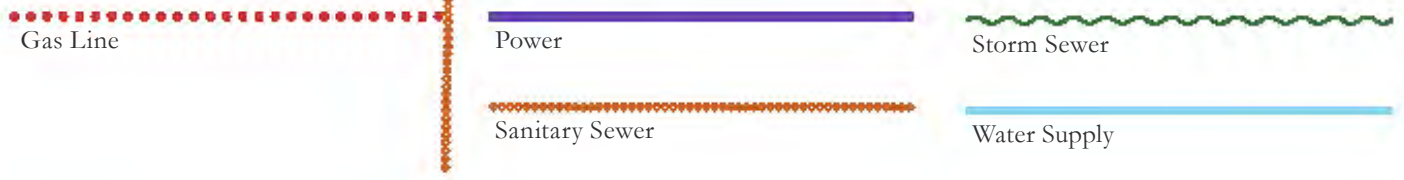
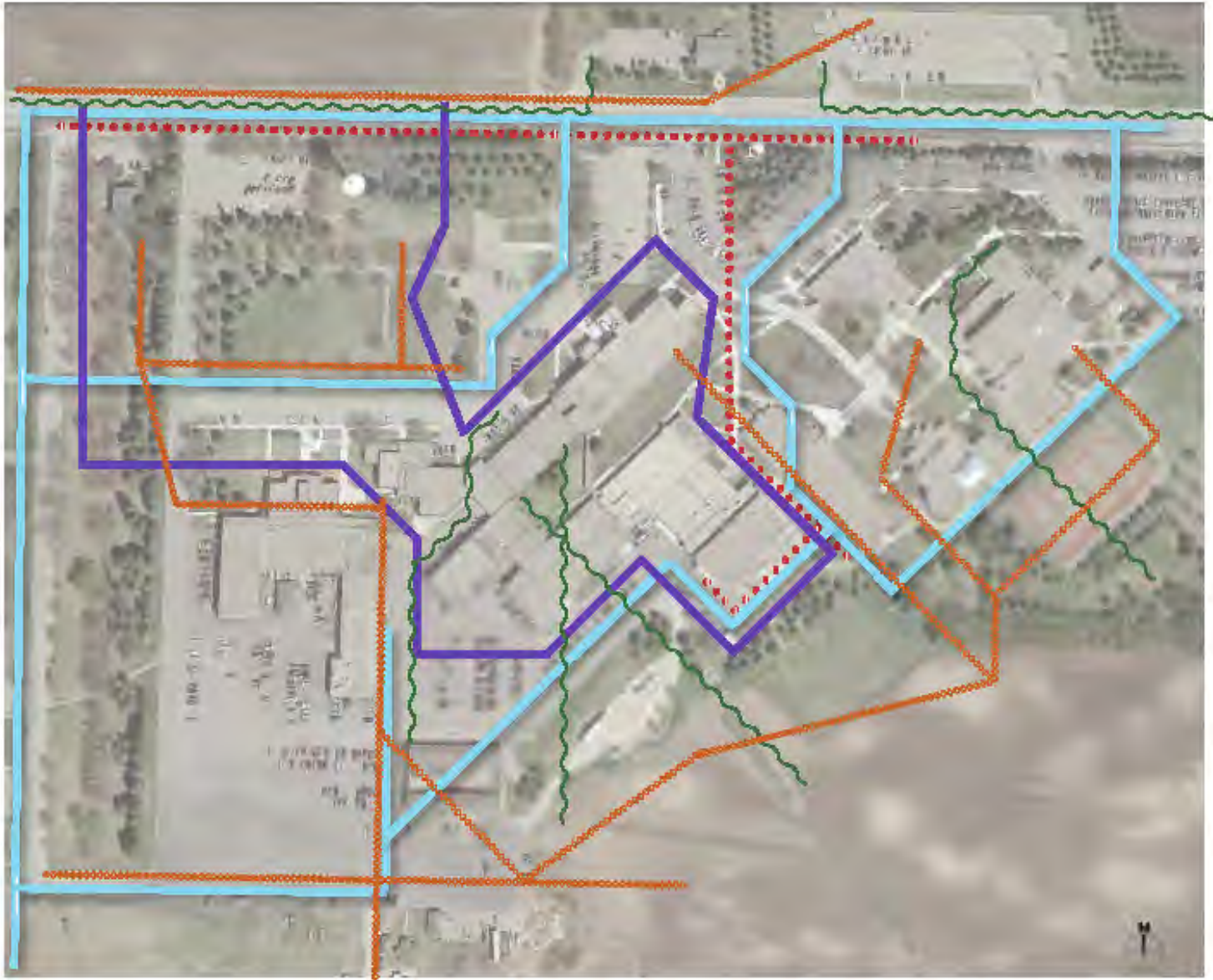
ENVIRONMENTAL FACTORS



OUTDOOR SPACES AND USES



UTILITIES





SECTION III: EXISTING BUILDING CONDITIONS

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3.1 Hutchinson Main Campus

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/Common Area



Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.



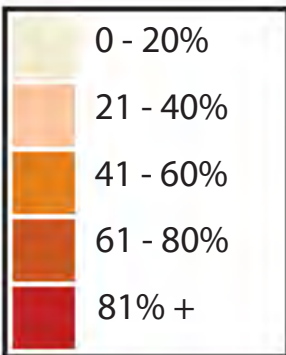
FALL 2015 EXISTING SPACE UTILIZATION OF CLASSROOMS AND LABS



Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	852	47%	43%
210	557	38%	29%

Utilization Key



MAIN BUILDING

Current Uses:

Classrooms, Labs, Offices, Bookstore, Commons, Library, Food Service, Student Support, Workforce Center

Suitability Summary:

The current building is well suited to most current uses and programmatic needs. Several spaces, however, are poorly configured or undersized for current uses/needs.

Current GSF:

177,406 SF

CRV (\$000's)

\$50,126

Backlog (\$000's)

\$649

Facilities Condition Index (FCI)

0.013



View of current main entry on west side of building



View of east side of the building



View of secondary entry on east side of the building



View of southwest corner of building



Main Entry Lobby



Main Entry Lobby



315-317



315-317



Corridor near Non Destructive Testing



360



Circulation near Chemistry Lab 370



340



381-383



Commons looking toward bookstore



Fitness Center



235-237



270



247



Library - Northwest Corner



Library looking southwest



Library looking northeast



201 - Fine Art Gallery

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3.2 Hutchinson Business Development Center

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/Common Area



Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.

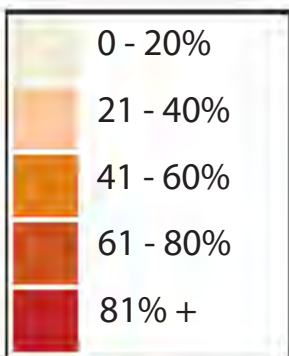
FALL 2015 EXISTING SPACE UTILIZATION CLASSROOMS AND LABS



Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	90	29%	17%
210	33	0%	0%

Utilization Key



BUSINESS DEVELOPMENT CENTER BUILDING

Current Uses:

Classrooms, Labs, Offices, Job Training Center, Customized Training

Suitability Summary:

The current building is well suited to the current uses and programmatic needs.

Parking Capacity:

89 stalls plus non-striped areas

Current GSF:

18,500 SF

CRV (\$000's)
\$5,610

Backlog (\$000's)
\$707

Facilities Condition Index (FCI)
0.126



Land Size: 6.6 acres



View of current main entry on north side of building



View of east side of the building



View of overhead doors on west side of building



View of secondary entry on south side of building

HUTCHINSON



Main Corridor looking south



Reception



Main Corridor looking north



Corridor near 510



Counter in circulation near 509



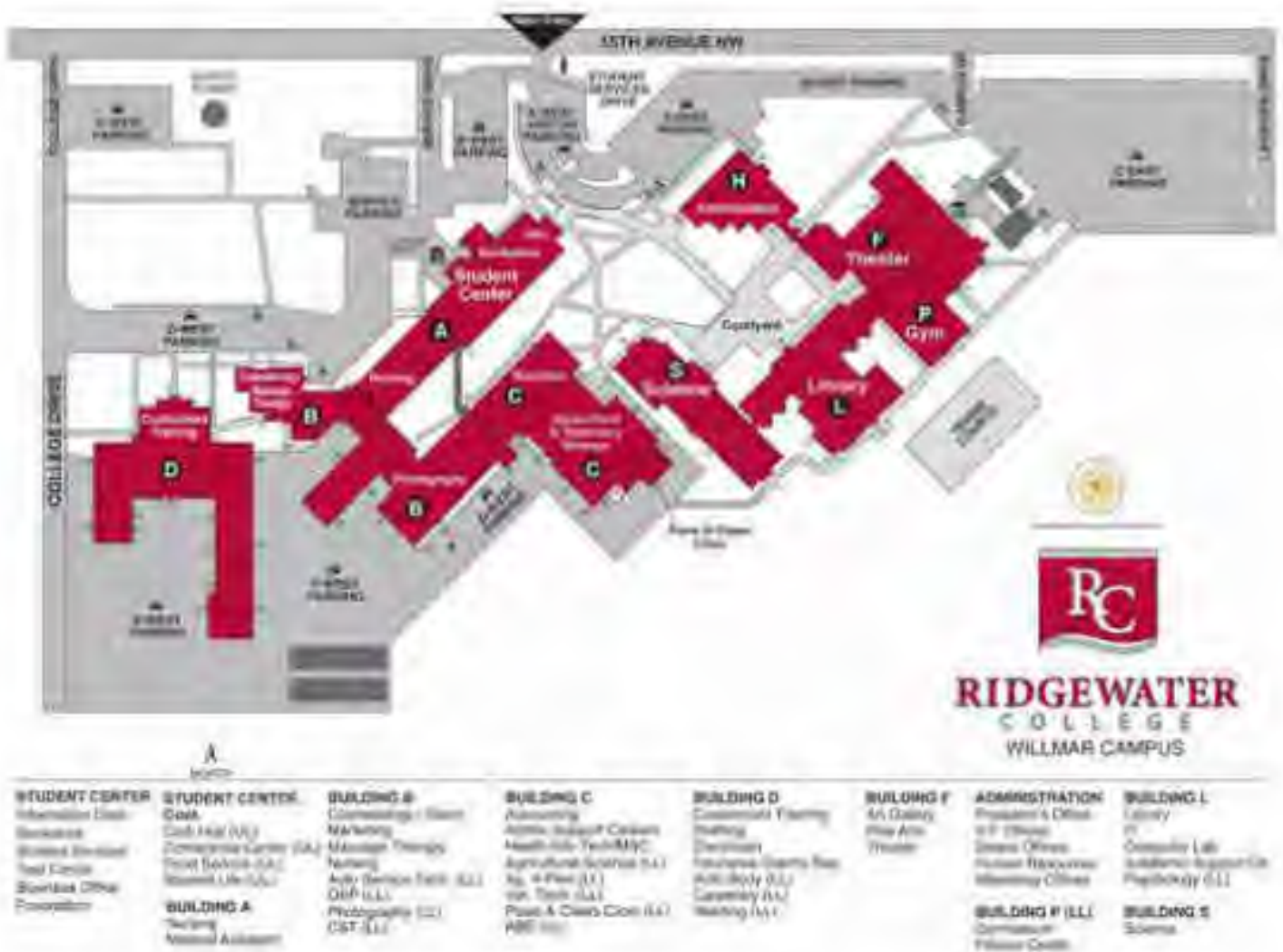
509

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3.3 Willmar Campus

EXISTING FACILITY USES



Building A - Student Center/Nursing- Main Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	STUDENT SUPPORT
	STUDENT SUPPORT
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/COMMON AREA

Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.

KEY PLAN



Building A - Student Center/Nursing - Upper Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/COMMON AREA



Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.

KEY PLAN



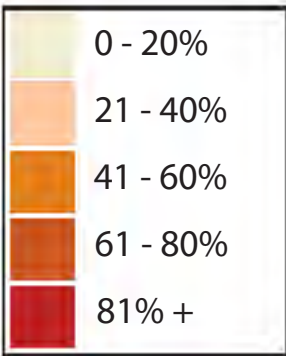
Building A - Student Center/Nursing- Main Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	196	16%	25%
210	34	32%	28%

Utilization Key



KEY PLAN



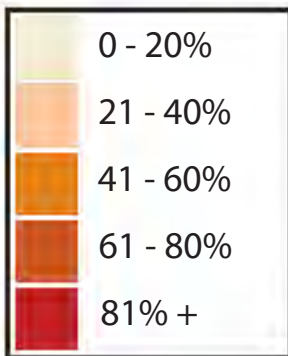
Building A - Student Center/Nursing - Upper Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	196	16%	25%
210	34	32%	28%

Utilization Key



KEY PLAN



Building A - Student Center/Nursing

Current Uses:

Food Service, Bookstore,
Classrooms, Labs, Offices,
Student Support Space/Student
Services

Current GSF:

45,099 SF

CRV (\$000's):

\$13,577

Suitability Summary:

The current building is well
suited to the current uses and
programmatic needs.

Backlog (\$000's):

\$764

Facilities Condition Index (FCI):

0.056

KEY PLAN



View of current main entry on northeast side of building



View of current main entry on northeast side of building



View of southeast side of the building facing primary open space



View of southeast side of building



Reception area inside ground floor entry



Reception area looking northeast towards main entry



Seating area near main entry



Small seating area in main entry vestibule



Primary stairway inside main entry



View of Bookstore on the main floor



Dining Area on second floor looking southeast



Dining Area on second floor looking northeast



A215 Meeting Room on second floor



Second floor dining area with A215 Meeting Room beyond



Pool and Ping Pong area on second floor northwest corner



Casual seating area around a television on second floor near dining area



A246 Classroom on second floor



Casual seating area on second floor near southwest stairway



Corridor coming from Building B to Building A



A158 Nursing Simulation Lab



Seating areas along ground floor corridor













A152

Building B - Cosmetology/ Nursing/Photography/Auto - Main Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/Common AREA

Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.



KEY PLAN



Building B - Cosmetology/ Nursing/Photography/Auto - Lower Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/COMMON AREA

Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.



KEY PLAN



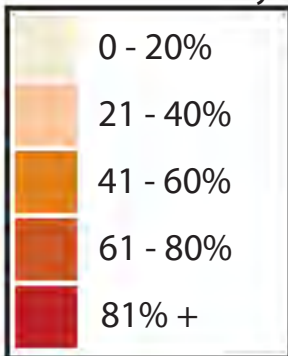
Building B - Cosmetology/ Nursing/Photography/Auto - Main Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%

Utilization Key



KEY PLAN



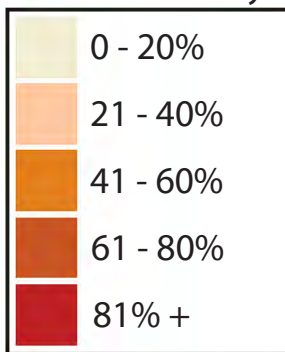
Building B - Cosmetology/ Nursing/Photography/Auto - Lower Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%

Utilization Key



KEY PLAN



Building B - Cosmetology/ Nursing/Photography/Auto

Current Uses:
Labs, Classrooms, Offices

Current GSF:
105,587 SF

Suitability Summary:
The current building is adequate to suit current uses and programmatic needs.

CRV (\$000's):
\$31,792

Backlog (\$000's):
\$3,214

Facilities Condition Index (FCI):
0.101

KEY PLAN



Southwest end of auto mechanics with massage/cosmetology to left



View of southeast side of the building looking northwest



View of area outside of Auto Mechanics



View of southwest side of building



B162B



B35



B35



B40 Photography Studio



B40 Photography Studio



Lower level corridor outside of Photography Studio looking southwest



Lower level corridor



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B167 Cosmetology Studio



Main level corridor



B39 Veterinary Tech Anatomy Lab



B56 Auto Mechanics













B54 Auto Mechanics

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Building C - Ag/Business/Veterinary Technology - Main Level

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/Common Area

Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.













KEY PLAN



Building C - Ag/Business/Veterinary Technology - Lower Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/Common Area

Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.



KEY PLAN



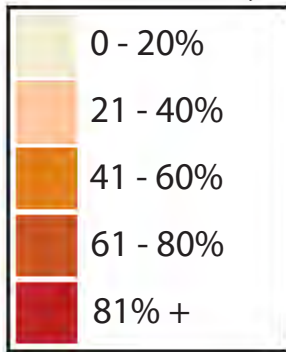
Building C - Ag/Business/Veterinary Technology - Main Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%

Utilization Key



KEY PLAN



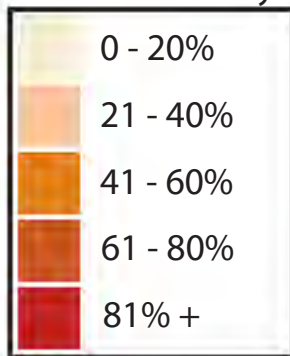
Building C - Ag/Business/Veterinary Technology - Lower Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%

Utilization Key



KEY PLAN



Building C - Ag/Business/Veterinary Technology

Current Uses:
Labs, Classrooms, Offices

Current GSF:
109,016 SF

Suitability Summary:
The current building is well suited to the current uses and programmatic needs but additional high bay labs would allow for program growth.

CRV (\$000's):
\$32,133

Backlog (\$000's):
\$4,595

Facilities Condition Index (FCI):
0.143

KEY PLAN



View of main entry on northeast side of building



View of northeast side of the building



Paws & Claws clinic on southeast side of the building



View of southwest side of building



C40B



Corridor



C34 Dairy Classroom



C11 Ag Shop



C11 Ag Shop



C29 and C35 Ag Quad Room



C18



Corridor



C128



C124



C38













Corridor

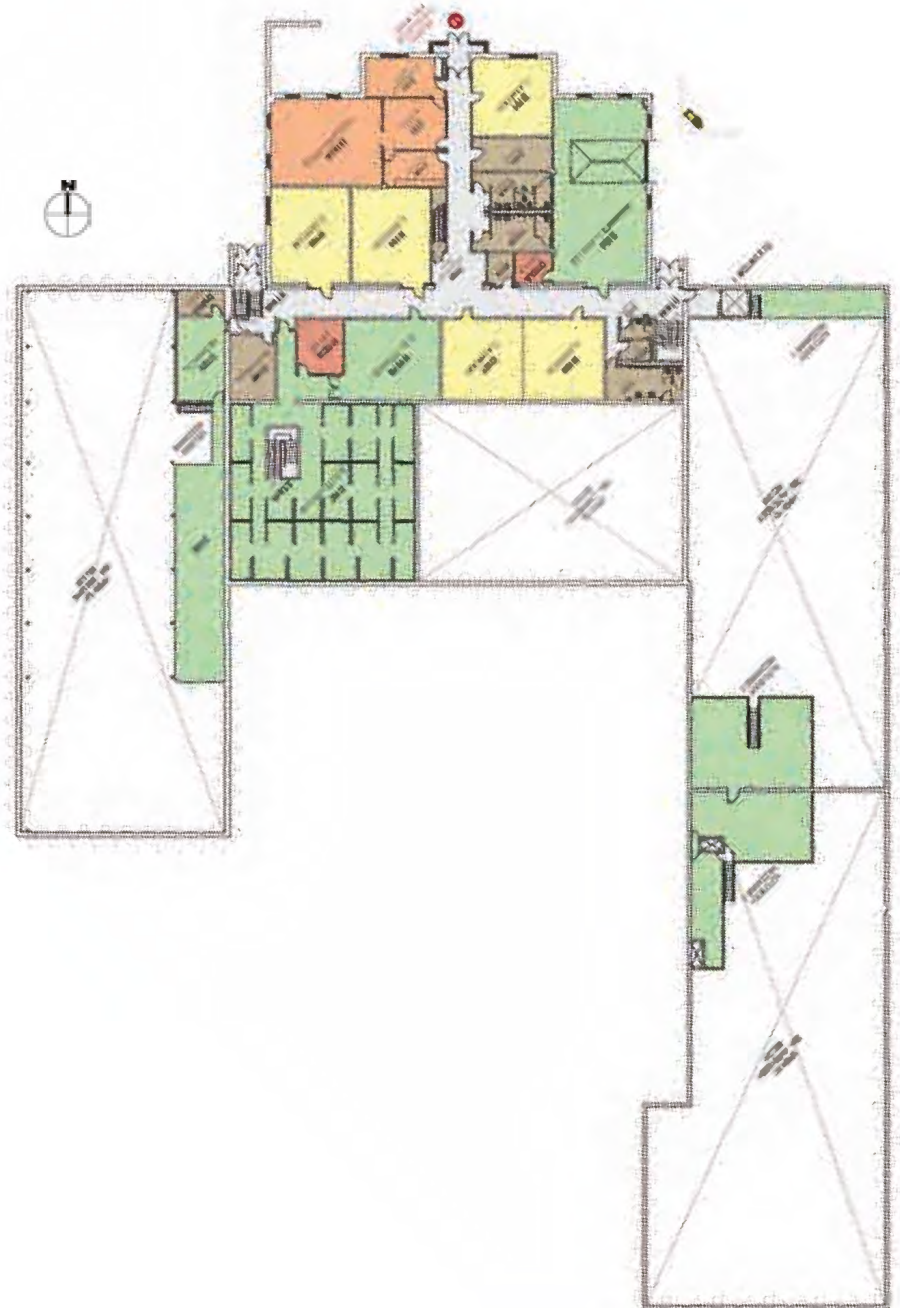
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Building D - Customized Training/Auto/Trades - Main Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/Common Area



Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.

KEY PLAN



Building D - Customized Training/Auto/Trades - Lower Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/Common AREA



Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.

KEY PLAN



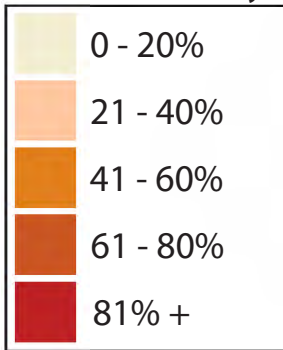
Building D - Customized Training/Auto/Trades - Main Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

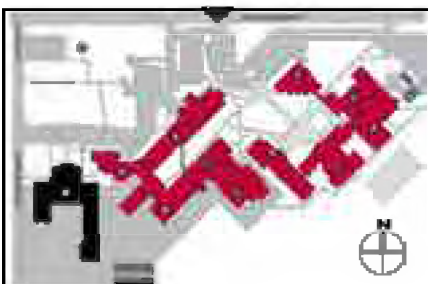
Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%

Utilization Key



KEY PLAN



Building D - Customized Training/Auto/Trades - Lower Level

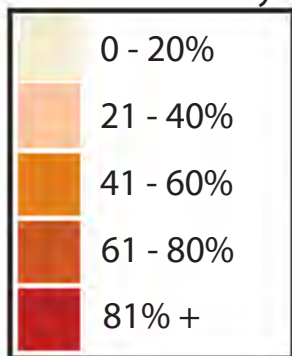
FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%



Utilization Key



KEY PLAN



Building D - Customized Training/Auto/Trades

Current Uses:

Customized Training, Labs
(Electrician, Auto, Carpentry,
Welding), Classrooms, Offices

Suitability Summary:

The current building is adequate
to suit current uses and
programmatic needs.

Current GSF:

26,398 SF

CRV (\$000's):

\$6,975

Backlog (\$000's):

\$2,111

Facilities Condition Index (FCI):

0.303

KEY PLAN



View of east side of building



View of south side of the building outside D84 Carpentry



View outside of D80 Auto Body



View of north side of building with customized training entry to right



D185



D184 Computer Aided Drafting and Design



Main Level Corridor



D193



D192 Conference Room



View of D Building from B Building looking west



D197 Electrician Program Main Level



D86 Electrician Program Lower Level



D88 Welding



D80 Auto Body looking south



D81 Auto Body looking northeast



Paint Booth in D80 Auto Body

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Buildings F & P - Theater/Arts/Athletics/Gym - Main Level

EXISTING FACILITY USES

ROOM USE KEY

- STUDENT SUPPORT
- ATHLETIC FACILITIES
- CLASSROOM - LAB
- CLASSROOM - PRACTICUM
- CLASSROOM - THEORY
- ADMIN./FACULTY SUPPORT
- ADMIN./FACULTY OFFICES
- BUILDING SERVICES
- OTHER/UNDEFINED/CHANGING
- CIRCULATION/Common Area

Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.



KEY PLAN



Buildings F & P - Theater/Arts/Athletics/Gym - Lower Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/COMMON AREA

Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.



KEY PLAN



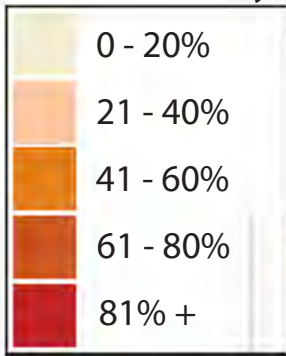
Buildings F & P - Theater/Arts/Athletics/Gym - Main Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%

Utilization Key



KEY PLAN



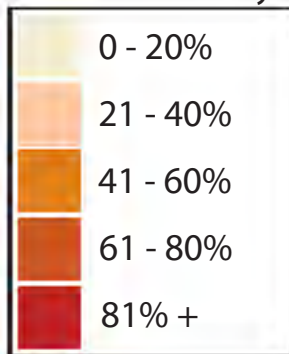
Buildings F & P - Theater/Arts/Athletics/Gym - Lower Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%

Utilization Key



KEY PLAN



Buildings F & P - Theater/Arts/Athletics/Gym - Main Level

Current Uses:

Art Gallery, Fine Arts, Theater, Classrooms, Offices, Community Outreach Rooms, Gymnasium, Fitness Center

Current GSF:

85,764 SF

CRV (\$000's):

\$25,857

Suitability Summary:

The current building is adequate to suit current academic uses and programmatic needs.

Backlog (\$000's):

\$2,415

Facilities Condition Index (FCI):

0.093

KEY PLAN



Loading/ service area adjacent maintenance space on main level northeast side



Fine Arts entry on southwest side as seen from main quad



Tennis courts southeast of Fine Arts and Gymnasium



Chillers located north of Fine Arts building



F134



F102 and F101 Community Outreach rooms



Outdoor Art Studio outside of F132



F133 Theater Workroom/Dressing Room



F130 Art Studio



Connection from F Building to H Building



F Building lower level corridor



F Building Box Office Area



P Building (lower level of F) lower level corridor



P1 Gymnasium



P18 Men's Locker Room






P18E

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Buildings H - Administration - Main Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/Common Area



KEY PLAN



Buildings H - Administration - Main Level

Current Uses:
Offices, Meeting Rooms

Current GSF:
18,281 SF

Suitability Summary:
The current building is well suited to the current uses and programmatic needs.

CRV (\$000's):
\$5,449

Backlog (\$000's):
\$944

Facilities Condition Index (FCI):
0.173

KEY PLAN



View of current main entry on south side of building



View of current main entry on south side of building



View from main entry looking west



View of linkway between F and H building from the north looking south



H Building as seen looking northeast from main entry to A Building



Corridor inside main entry



H130 Administration



Corridor leading to F building



H139 Conference Room













Small sitting area near linkway to F Building

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Buildings L - Library - Main Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/COMMON AREA

Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.









KEY PLAN



Buildings L - Library - Lower Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/Common AREA

Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.



KEY PLAN



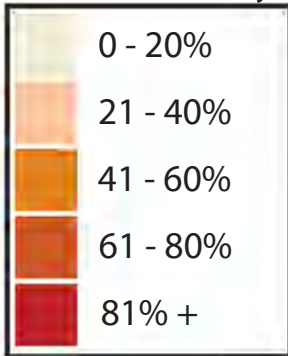
Buildings L - Library - Main Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%

Utilization Key



KEY PLAN



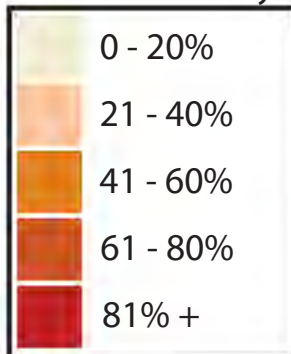
Buildings L - Library - Lower Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%

Utilization Key



KEY PLAN



Buildings L - Library

Current Uses:

Classrooms, Labs, Offices,
Library, Meeting Rooms,
Academic Support Space

Current GSF:

31,601 SF

CRV (\$000's):

\$9,357

Suitability Summary:

The current building is adequate
to suit current uses and
programmatic needs.

Backlog (\$000's):

\$2,056

Facilities Condition Index (FCI):

0.220

KEY PLAN



View of current main entry on southwest side of building facing quad



View southwest towards S (Science) Building from outside of Library entry



Historic illustration of "Willmar Tech"



Stairway inside main entry connecting main and lower level



L10 circular classroom on lower level



L18



Outside of room L16



L15



L14



L34 ITV studio/classroom



Landing inside main entry



L110, I.T. Offices, (former computer lab)



Circulation desk to the left upon entering library



Group study area with views outside to the southeast



Stacks













L107 Quiet Study Area

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Buildings S - Science- Main Level

EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/Common AREA

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KEY PLAN



Buildings S - Science- Lower Level

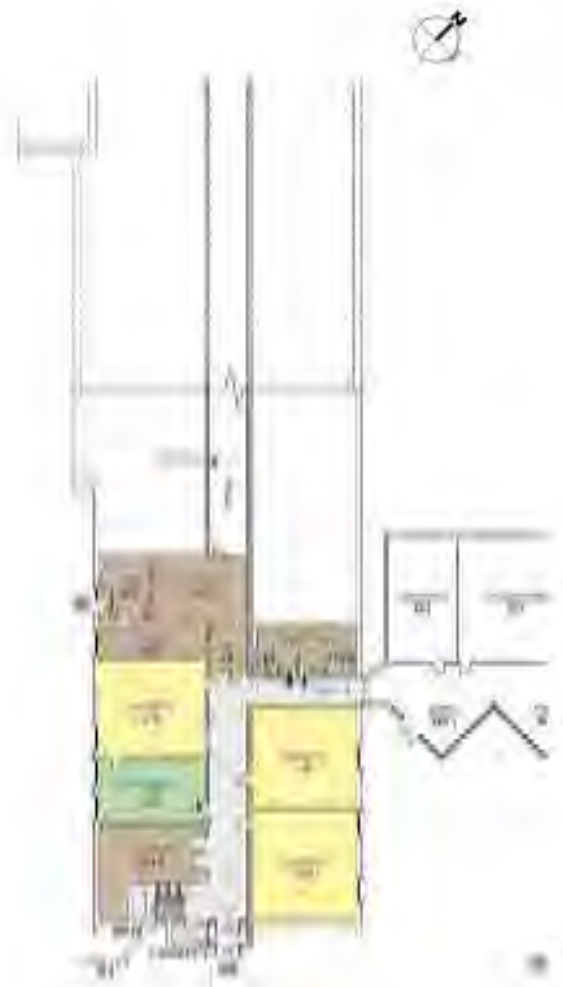
EXISTING FACILITY USES

ROOM USE KEY

	STUDENT SUPPORT
	ATHLETIC FACILITIES
	CLASSROOM - LAB
	CLASSROOM - PRACTICUM
	CLASSROOM - THEORY
	ADMIN./FACULTY SUPPORT
	ADMIN./FACULTY OFFICES
	BUILDING SERVICES
	OTHER/UNDEFINED/CHANGING
	CIRCULATION/Common Area

Note: Not all rooms labeled as classrooms are used to calculate overall utilization. Only those classified as 110 or 210 classrooms are used in these calculations. Those shown as classrooms on the use diagrams, but not included in the following utilization diagrams are program specific or classified something other than a 110 or 210 room.

KEY PLAN



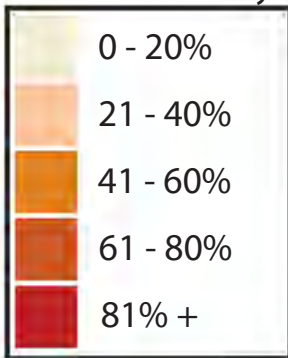
Buildings S - Science- Main Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%

Utilization Key



KEY PLAN



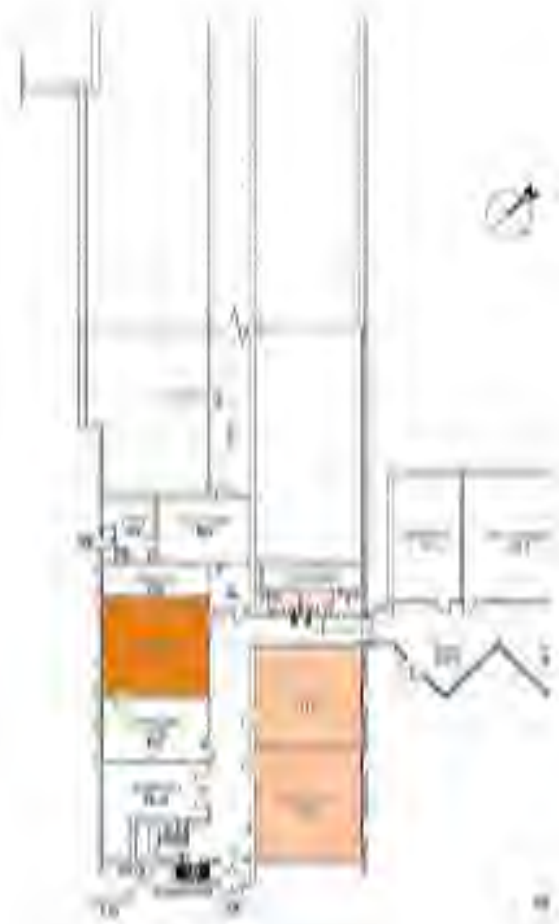
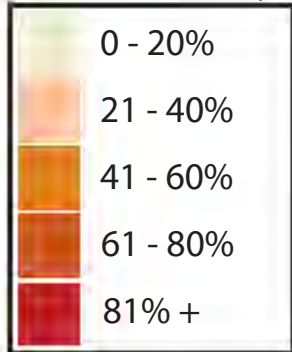
Buildings S - Science- Lower Level

FALL 2015 EXISTING SPACE UTILIZATION
CLASSROOMS AND LABS

Utilization by Facility Type

Facility Type	Capacity	% Seats	% Hours
110	565	34%	38%
210	314	39%	42%

Utilization Key



KEY PLAN



Buildings S - Science

Current Uses:
Classrooms, Labs and Offices

Current GSF:
36,237SF

Suitability Summary:
The current building is adequate to suit current uses and programmatic needs.

CRV (\$000's):
\$14,462

Backlog (\$000's):
\$2,876

Facilities Condition Index (FCI):
0.199

KEY PLAN



View of current main entry on southwest side of quad



View of entry looking southwest



View of main entry



Aquarium inside main entry



S131-S157 Faculty Offices



S131 Faculty Work Room



S105



Main level corridor



S104 Physics Lab



S103 Chemistry Lab



Seating area on southeast end of main floor corridor



S14 Veterans Resource Center



Lower level connection to Library (L Building)



S107 Biology Classroom



S107B Greenhouse



S118 History Center



SECTION IV: FRAMEWORK FOR CAMPUS & BUILDING DEVELOPMENT

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4.0 Framework for Development

INTRODUCTION

Ridgewater College's investment needs range from focused short-term repair and maintenance needs to strategically driven long-term projects at both campus locations. The college recognizes a need for updated, collegiate, and flexible facilities to keep pace with peer institutions and drive future enrollment. There is also a need to consolidate and strengthen top-tier programs. Despite the need for program growth and updating facilities, the college understands the importance of resource stewardship and will focus efforts on repurposing underutilized space and reducing deferred maintenance backlogs before investing in new construction. By carefully focusing repurposing efforts on areas of high need and high impact, the college can make better use of its existing facilities while creating a more effective learning environment. Improved facilities can lead to increased enrollment and retention rates. When a growing, unique, or otherwise critical program at Ridgewater College is in need of facilities that cannot be accommodated through the repurposing existing space, new construction will be a carefully considered option. The design and construction of new space at Ridgewater College will be based on an effective use of available resources and will not be undertaken at the expense of existing assets. The following framework for development is based on this balanced approach to resource allocation for addressing current and upcoming college needs.

PRINCIPLES GUIDING FACILITY CAPITAL INVESTMENT DECISIONS

- Create more places to support a culture of collaboration
- Create a more contemporary feeling campus
- Reduce deferred maintenance backlog
- Create multi-functional / flexible spaces
- Express and support the Ridgewater College Brand

INITIATIVES GUIDING FACILITY CAPITAL INVESTMENT DECISIONS

- Address deferred maintenance
- Convert underutilized common areas into collaborative spaces
- Introduce more collaborative classroom space
- Repurpose underutilized spaces
- Improve campus landscape
- Leverage robust existing programs



4.1 Hutchinson Campus

Principles & Initiatives

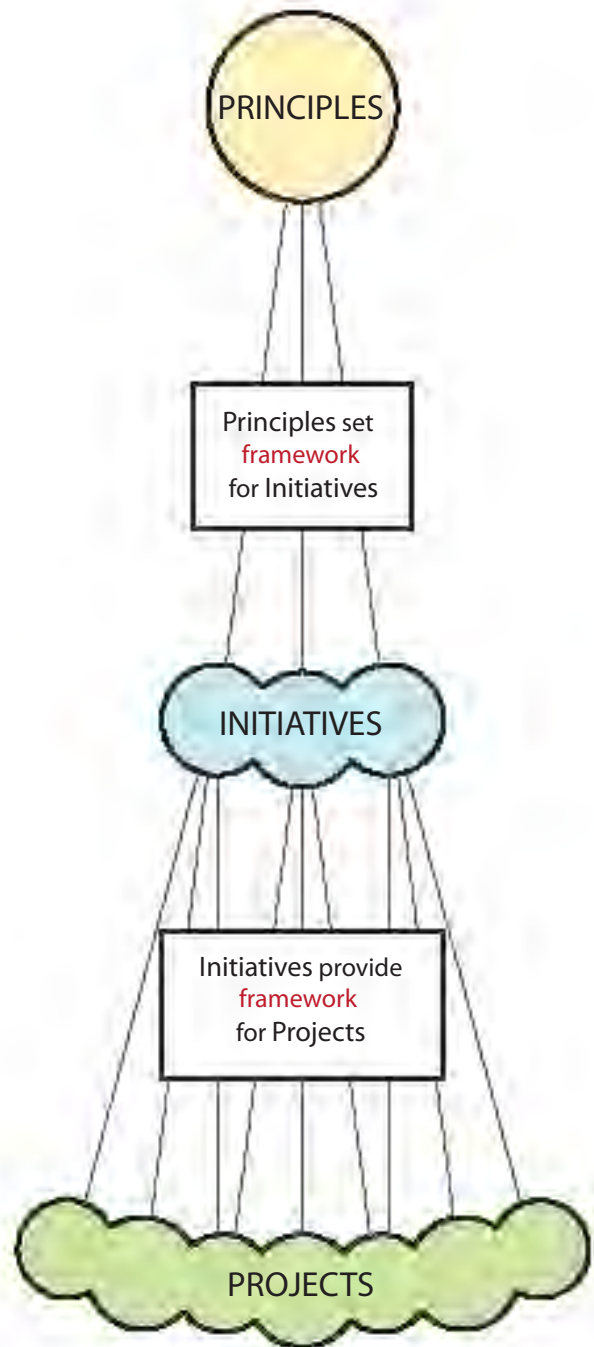
GENERAL HUTCHINSON CAMPUS MASTER PLAN PRIORITIES

Principles

- Create more places to support a culture of collaboration
- Create a more contemporary feeling campus
- Reduce deferred maintenance backlog
- Create multi-functional / flexible spaces
- Express and support the Ridgewater College Brand

Initiatives

- Address deferred maintenance
- Convert underutilized common areas into collaborative spaces
- Introduce more collaborative classroom space
- Repurpose underutilized spaces
- Improve campus landscape
- Leverage robust existing programs



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Main Building

LONG TERM MASTER PLAN FRAMEWORK

- 1) HEAPR
- 2) Update predesign for Advanced Manufacturing/Welding Hub expansion to include restructuring seating in auditorium, replacing Automated Systems & Robotics with Business Classrooms and move closer to Manufacturing. Repurpose Audio classrooms into alternative program space.
- 3) Predesign to remove & replace ceiling in main Commons, create one-stop shop for Student Services/Support, create collaborative/study spaces near North & South Commons, tactical remodel to 'freshen' selected classrooms & common areas
- 4) Design for Advanced Manufacturing/Welding Hub expansion to include restructuring seating in auditorium, replacing Automated Systems & Robotics with Business Classrooms and move closer to Manufacturing. Repurpose Audio classrooms into alternative program space.
- 5) Replace roof on Business Development Center
- 6) Remove & replace ceiling in main Commons, create one-stop shop for Student Services/Support, create collaborative/study spaces near North & South Commons, tactical remodel to 'freshen' selected classrooms & common areas
- 7) Construct Advanced Manufacturing/Welding Hub expansion to include restructure seating in auditorium, replace Automated Systems & Robotics with Business Classrooms and move closer to Manufacturing. Repurpose Audio classrooms into alternative program space.
- 8) Create built-in study/collaborative spaces in corners of main commons.
- 9) Explore expanding existing Academic Support and increase visibility
- 10) Space plan and design for Academic Support and increase visibility.
- 11) Repurpose existing kitchen & food service into Student Life & Student Senate. Incorporate convenience food service. Relocate Art Gallery into main concourse
- 12) Construct Academic Support
- 13) Enhance east entry, create additional plaza / outdoor collaborative space

Main Building

LONG TERM MASTER PLAN FRAMEWORK



EXPAND WELDING SHOP



Repurposing underutilized space to expand and update the existing welding shop will provide a premiere program with space needed to support future growth. Students will be able to learn in a safe and modern environment. Current acoustical concerns need to be addressed and will improve the learning environment in adjacent spaces.

STUDY AREAS IN NORTH & SOUTH COMMONS



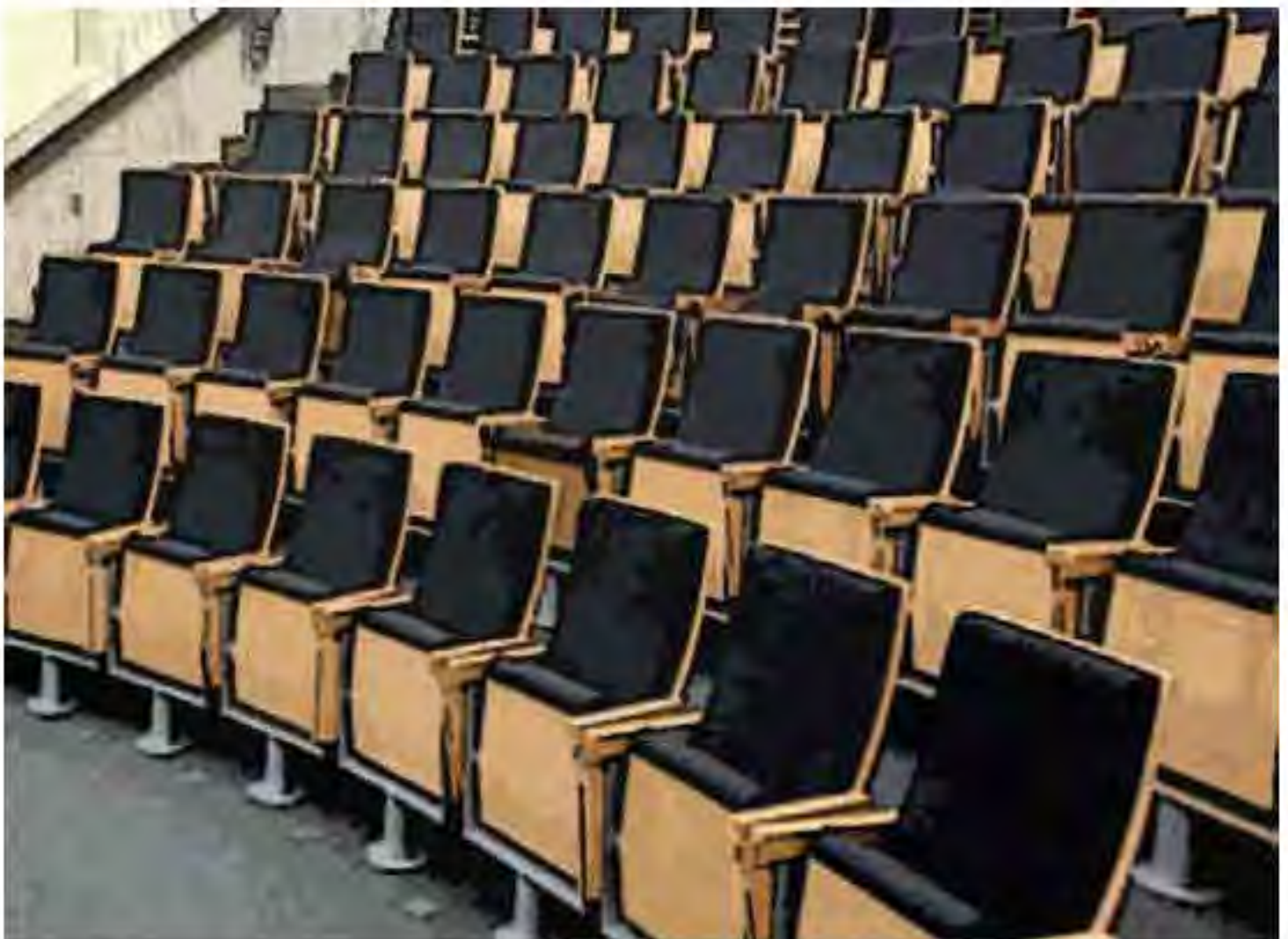
New collaborative study spaces turn an otherwise unused, awkward space into a vibrant node within the campus environment. Semi-private booths allow for small group discussions while helping to diffuse some of the distractions caused by a close proximity to an active corridor.

STUDY AREAS IN MAIN COMMONS



New student collaborative spaces located along the eastern edge of the Main Commons will enhance and provide a space for students to gather and collaborate, increasing the energy and usage of the space. Several levels of privacy, and types of space should be provided to embrace differences in group and personal study dynamics.

RESTRUCTURE SEATING IN AUDITORIUM



Replacing the existing out-dated , worn, and uncomfortable seating in the Auditorium will improve the function and overall appearance of the space dramatically.

ENHANCE EAST ENTRY



An enhancement of the East Entry to the Hutchinson Main Campus will improve the visibility of the Ridgewater College brand. The addition of outdoor student collaborative / plaza space will allow students to meet, discuss, and work together in a unique environment.

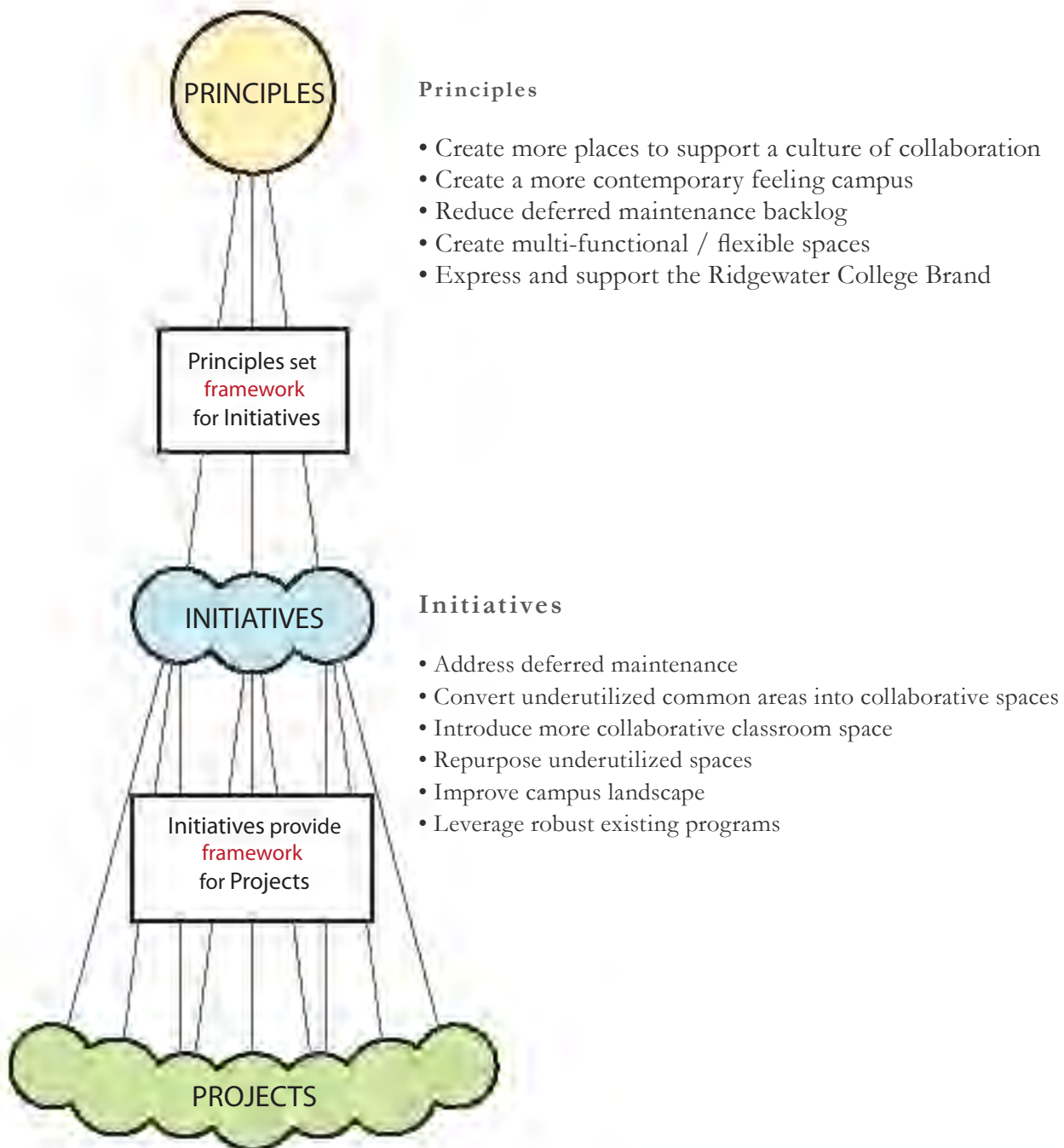
Hutchinson Campus Projects

#	Description	IMPLEMENTATION STRATEGY				TIMEFRAME				FUNDING					COST Prob. Cost (1,000s)
		PHASE I : 0 - 2	PHASE II : 3 - 6	PHASE III : 7 - 15	PHASE IV : 16 - 20	HEAPR	Bonding	College	City	Other					
HUTCHINSON CAMPUS															
1	HEAPR 0-2 (Both Campuses)	X				X								\$3,000	
	HEAPR 3-6 (Both Campuses)		X			X								\$10,000	
	HEAPR 7-15 (Both Campuses)			X		X								TBD	
2	Update predesign for Advanced Manufacturing/ Welding Hub expansion to include restructuring seating in Auditorium, replacing Automated Systems & Robotics with Business Classrooms and move closer to Manufacturing. Repurpose Audio Classrooms into alternative program space	X							X					\$25	
3	Predesign to remove & replace ceiling in main Commons, create one-stop shop for Student Services/Support, create collaborative/study spaces near North & South Commons, tactical remodel to 'freshen' select classrooms and common areas	X							X					\$20	
4	Design for Advanced Manufacturing/Welding Hub expansion, restructuring seating in Auditorium, replacing Automated Systems & Robotics with Business Classrooms and move closer to Manufacturing. Repurpose Audio Classrooms into alternative program space	X						X						\$200	
5	Replace roof on Business Development Center	X				X								\$754	
6	Remove & replace ceiling in Commons, Create one-stop shop for Student Services/Support, Create collaborative/study spaces near North & South Commons, Tactical remodel to 'freshen' classrooms and select common areas.		X	X				X	X					\$560	
7	Construct Advanced Manufacturing/Welding Hub expansion, Restructure seating in Auditorium, Replace Automated Systems & Robotics with Business Classrooms and move closer to Manufacturing, Repurpose Audio Classrooms into Alternative Program Space		X			X	X							\$1,650	
8	Create built-in study/collaborative space in corners of main commons		X					X	X					\$35	
9	Explore expanding existing Academic Support and increase visibility			X					X					\$100	
10	Space plan and design for Academic Support and increased visibility			X					X					\$15	
11	Repurpose existing kitchen & food service into student life & student senate. Incorporate convenience food service. Relocate Fine Art Gallery into concourse.			X		X	X							\$150	
12	Construct Academic Support			X					X					\$500	
13	Enhance east entry, create additional plaza / outdoor collaborative space			X		X	X							\$175	

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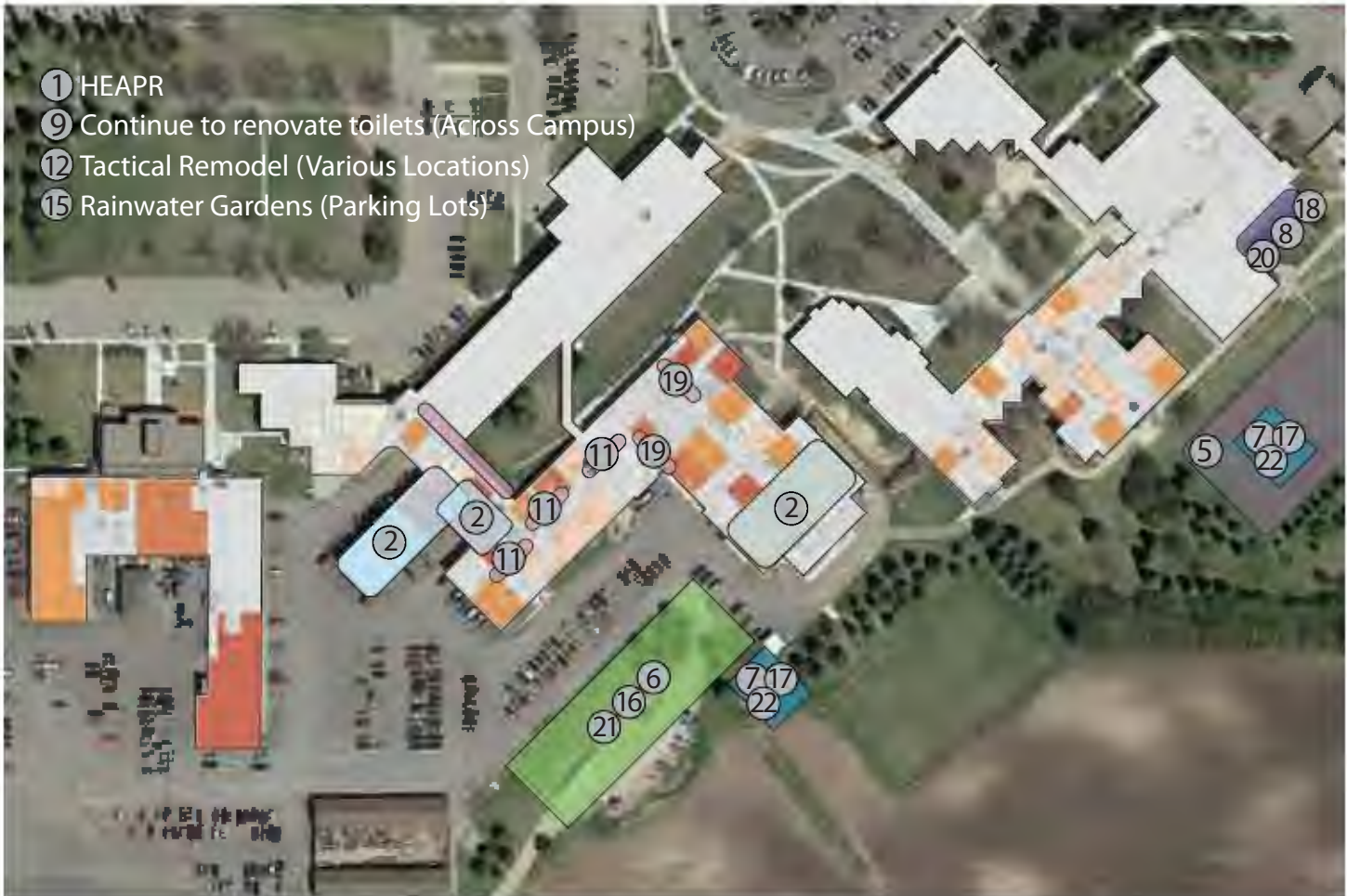
Principles & Initiatives

GENERAL WILLMAR CAMPUS MASTER PLAN PRIORITIES



Lower Level

LONG TERM MASTER PLAN FRAMEWORK



- | | | |
|---|--|--|
| 1) HEAPR | 5) Demo tennis courts | 10) Create collaborative classroom in Nursing classrooms A162A & A162B and/or B166 & B168. |
| 2) Install CO2/NO2 sensors in Auto Tech, Ag, and HVAC control. | 6) Predesign for new Ag Mechanics Lab | 11) Develop new collaborative/study spaces in lower level of building 'B.' |
| 3) Reconfigure room C133 & adjacent rooms into one office suite. | 7) Predesign for Teaching Greenhouse | 12) Tactical remodel to 'freshen' classrooms & select common areas. |
| 4) Develop new business collaborative/study space in upper level of building 'C.' | 8) Predesign for Gym entry addition | |
| | 9) Continue to renovate toilets across campus. | |

Main Level

LONG TERM MASTER PLAN FRAMEWORK



- | | |
|--|--|
| 13) Develop new collaborative/study spaces in upper level of building 'B.' | 17) Design Teaching Greenhouse |
| 14) Develop new collaborative/study spaces in upper level of building 'F.' | 18) Design new Gym entry addition |
| 15) Introduce rainwater gardens in parking lots. | 19) Develop new collaborative/study spaces in lower level of building 'C.' |
| 16) Design new Ag Mechanics lab | 20) Construct new Gym entry addition |
| | 21) Construct new Ag Mechanics lab |
| | 22) Construct Teaching Greenhouse |

COLLABORATIVE NURSING CLASSROOM



Develop new collaborative Nursing classroom space. Providing new and flexible space allows the college to embrace current and future pedagogy. Updated classrooms and the ability to utilize new technology and teaching methods will help Ridgewater College stand out to prospective students.

BUSINESS COLLABORATIVE/STUDY SPACE



Create new student collaborative/study space adjacent to business classroom. Providing a close proximity “break-out” study space allows collaboration among students immediately before or after class time and makes use of an otherwise under-utilized space. It can also function as a semi-public meeting space for students and faculty.

COLLABORATIVE/STUDY SPACES IN BUILDING F



Converting an underutilized space into collaborative/small group study space will provide additional space for students to work together to solve problems and discuss ideas. Developing more study/collaborative areas will strengthen the overall collegiate atmosphere on campus and may help attract prospective students.

TACTICAL REMODEL TO REFRESH COMMON AREAS & CLASSROOMS



Tactical remodeling of common areas and classroom spaces around the Willmar Campus will present a more contemporary aesthetic. Spaces that are currently dated and worn, become fresh and inviting to prospective and current students. The college can also use tactical remodeling to create additional student collaborative spaces, creating a more active and collegiate feeling throughout the campus.

NEW AG MECHANICS LAB



A new Ag Lab space will enhance student experience and allow expansion of a current top-tier program. Having improved facilities will help build the college's reputation as a leader in Ag Programs, which could lead to an increase in overall enrollment.

NEW AG MECHANICS LAB

A new Ag Mechanics Laboratory will provide Ridgewater College with the facilities needed to prepare students for employment within a rapidly changing industry. The current facility was designed and constructed when the primary focus of the agricultural equipment service industry was on diesel/combustion engine repair and rebuilding, knowledge of power trains, and general mechanical skills. Now, more than ever, the ability to diagnose, troubleshoot, and repair complex electrical, hydraulic and computer based systems is paramount for success.

Ridgewater College has recognized the importance of developing an Agricultural Service Technician degree to meet current and future agricultural industry service technician needs. The focus/content of the Ridgewater College Agricultural Service Technician degree is as follows:

- Agricultural Service Technician degree
(CIP 2000 01.0205 Agricultural Mechanics and equipment/Machine Technology)
- Focus – precision agricultural equipment service
Electrical, hydraulic and mechanical systems
Technology-based mechanical systems and the interaction between systems
Diagnosis, trouble-shooting and repair
- General – agricultural mechanical repair
Combustion, power sources and general mechanical repair

Ridgewater College has identified the need for an Ag Service Technician degree based on employment data and regional industry input. The United States Department of Labor has ranked 49-3041 - Farm Equipment Mechanics and Service Technicians as a “Top” rated occupation. The following specific data is current for May, 2016:

Employment	Employment RSE	Mean Hourly Wage	Mean Annual Wage	Wage RSE
37,080	2.5%	\$18.52	\$38,510	0.6%

Percentile	10%	25%	50% (Median)	75%	90%
Hourly Wage	\$11.48	\$14.29	\$17.82	\$22.33	\$27.15
Annual Wage	\$23,870	\$29,720	\$37,050	\$46,450	\$56,470

NEW AG MECHANICS LAB

On February 26, 2016 Ridgewater College hosted an Ag Service Technical advisory board meeting. At this meeting the following current and future agricultural service industry needs were confirmed:

- Electronic Systems Troubleshooting
- Electronics and Automation
- Cross-Trained Technicians
- Precision Specialist is a salesman, technicians are doing precision work
- Computer Skills
- High Demand for technicians

The current Ag Mechanics Lab facilities at Ridgewater College do not provide the space and technology support needed to expand course offerings to better prepare students to fill current and future industry needs. Ridgewater College has proposed that the existing Ag shop will continue to be used for the instruction of diesel engine/combustion engine repair and rebuilding, knowledge of power trains, and general mechanical skills, while the new Ag Mechanics Lab space would support the instruction of electronic service, hydraulic service, computer-based service and systems integration. Employment data and regional industry feedback strongly support the current need, and future sustainability of an Agricultural Service Technician Program at Ridgewater College, placing emphasis on the importance of a new Ag Mechanics Lab. The proposed new Ag Mechanics Lab will provide the facilities necessary to prepare Ridgewater College graduates with the skills to succeed in a rapidly changing industry.

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NEW TEACHING GREENHOUSE



A new greenhouse space will provide additional learning environment for both the Agriculture and Biology Programs. This facility will provide a unique learning environment, expanding Ridgewater College's role as a leader among peer institutions.

NEW TEACHING GREENHOUSE

Ridgewater College is requesting for the addition of a greenhouse on the Willmar Campus. The greenhouse would provide critical support for current and future student learning opportunities within both the Agricultural and Science programs. Based on current enrollment, there are currently 225 students enrolled in the Agricultural program and an additional 390 students enrolled in related Science courses that would benefit from the addition of a greenhouse.

MnSCU is partnering with the Minnesota Department of Agriculture to provide agriculture-related education state-wide. Organic production, sustainable farming, aquaponics, and water quality have been identified as areas in need of more robust agricultural-related education programs. The addition of a greenhouse at Ridgewater College will allow the currently established Agriculture and Science programs to provide hands-on and experiential learning in areas of educational need.

The addition of a greenhouse would allow hands-on learning opportunities and help students develop a deeper understanding and provide exposure to a greater range of soils, water, seeds, plants, herbicides, fungicides, and pests within a controlled environment. The greenhouse would extend the growing season throughout the entire academic year, providing students with an opportunity to explore, experiment, and learn about the life cycle and stages of plant growth. Extending the growing season provides the opportunity to highlight the importance of environmental stewardship and identify possible improvements to current production practices, throughout the entire production continuum. The addition of a greenhouse would also allow faculty, staff, and students to study ideas and discover opportunities to improve food safety in the Minnesota food production industry and continue to learn about the connection between food and water quality in Minnesota.

- The addition of a greenhouse creates and enhances the following educational opportunities:
- Hydroponics
- Aquaponics
- Sustainable ag production
- Improving water quality using bio-filters and soil filtration
- Botany
- Ecology
- Nutrient Management
- Irrigation
- Expanding Ag Education
- Urban Ag Development
- Food Security
- Organic Food Production
- Water Management
- Alternative Energy Solutions in Greenhouse Production

NEW TEACHING GREENHOUSE

The Ridgewater College greenhouse could provide an opportunity for expanding research opportunities on campus by providing a space that could be used as a simulation lab and testing facility.

The following is a list of Agriculture and Science courses that have potential to benefit from the addition of a greenhouse space at Ridgewater College:

- AGRI 1650 Soils and Fertility Management
- AGRI 1660 Introduction to Agronomy
- AGRI 1670 Integrated Pest Management
- AGRI 1680 Crop Scouting Techniques
- AGRI 1681 Crop Scouting Techniques Lab
- AGRI 1700 Crop Protection Recommendations
- AGRI 1720 Corn and Soybean Production
- AGRI 1730 Forage Production
- AGRI 1740 Specialty Crops
- AGRI 1761 Ag Water Management
- AGRI 1771 Introduction to Precision Ag
-
- BIOL 100 – Introduction to Biology
- BIOL 141 – Environmental Science
- BIOL 200 – General Biology
- BIOL 201 – General Biology II
- BIOL 215 – Microbiology

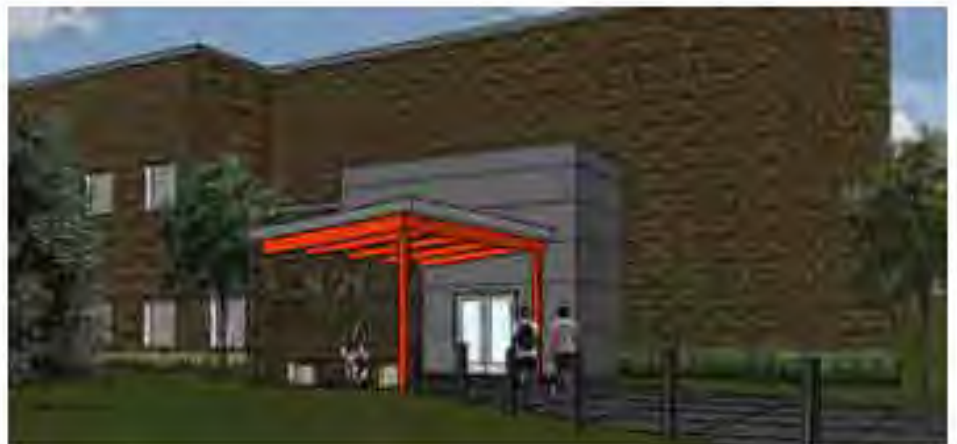
Ridgewater College recognizes the importance that Minnesota places on all spaces of agricultural production, from backyard gardens, community gardens, family farms, and commercial farms. Ridgewater College also understand the need for a broad range of experiences and knowledge in plant/crop production, environmental sustainability, small scale/organic production, state-wide water quality and the interactions between them. Students enrolled in general science courses would have the space and technology needed to explore and experiment with the impacts of soils, water, fertilizers, herbicides, germicides, water quality and other environmental conditions within a controlled environment. Ridgewater college is committed to being a leader in agriculture related education and in connecting students and communities with the information they need to make the best decisions related to all levels of plant/crop production, food safety, and environmental stewardship. The addition of a greenhouse would provide Ridgewater College with modern space and current technology to maximize student learning, enhance community outreach, and develop and support partnerships with learning institutions and community groups state-wide.

INTRODUCE RAINWATER GARDENS
IN PARKING LOT



Reduce impervious surface area in parking lot by introducing rainwater gardens.

NEW GYM ENTRY



The new gym entry is proposed to further improve wayfinding on campus. Currently, the gym entry is uninviting and causes confusion for visitors. By updating the facade, the gym will become yet another focal point on campus. The simple addition will revamp this area of campus and promote foot traffic.

Willmar Campus Projects

#	Description	TIMEFRAME				FUNDING					Prob. Cost (1,000s)
		PHASE I : 0 - 2	PHASE II : 3 - 6	PHASE III : 7 - 15	PHASE IV : 16 - 20	HEAPR	Bonding	College	City	Other	
WILLMAR CAMPUS											
1	HEAPR 0-2 (Includes Full Campus)	X				X					\$1,000
	HEAPR 3-6 (Includes Full Campus)		X			X					\$4,000
	HEAPR 7-15 (Includes Full Campus)			X		X					TBD
2	Install CO2/NO2 sensors in Auto Tech and Ag and HVAC control	X				X					\$33
3	Reconfigure classroom C133 & adjacent rooms into one office suite	X						X			\$75
4	Develop new business collaborative/study space in upper level of building 'C'	X						X			\$20
5	Demo tennis courts	X						X			\$40
6	Predesign for new Ag Equipment Service Lab	X						X			\$40
7	Predesign for Teaching Greenhouse	X						X			\$25
8	Predesign for new Gym entry addition	X						X			\$5
9	Continue to renovate toilets across campus	X	X	X				X			\$75
10	Create collaborative classroom in Nursing classrooms B162A & B162B and/or B166 & B168		X					X			\$50
11	Develop new collaborative/study spaces in lower level of building 'B'		X					X			\$20
12	Tactical remodel to 'freshen' classrooms & select common areas		X					X	X		\$250
13	Develop new collaborative/study spaces in upper level of building 'B'		X					X			\$25
14	Develop new collaborative/study spaces in upper level of building 'F'		X					X			\$10
15	Introduce rainwater gardens in parking lots		X					X			\$70
16	Design new Ag Equipment Service Lab		X			X	X				\$500
17	Design Teaching Greenhouse		X			X	X				\$200
18	Design new Gym entry addition		X					X			\$15
19	Develop new collaborative/study spaces in the lower level of building 'C'			X				X			\$20
20	Construct new Gym entry addition			X		X	X				\$1,750
21	Construct new Ag Equipment Service Lab			X		X	X				\$6,750
22	Construct Teaching Greenhouse			X		X	X				\$2,000



SECTION V: CAPITAL INCREMENTAL IMPROVEMENT PROGRAM

5.1 Capital Plan Improvements

PROJECTS AND PHASING

#	IMPLEMENTATION STRATEGY	TIMEFRAME				FUNDING					COST
		PHASE I : 0 - 2	PHASE II : 3 - 6	PHASE III : 7 - 15	PHASE IV : 16 - 20	HEAPR	Bonding	College	City	Other	
	<input type="checkbox"/> Hutchinson Campus <input type="checkbox"/> Willmar Campus										
	Description										Prob. Cost (1,000s)
0	HEAPR 0-2 (Both Campuses)	X				X					\$3,000
	HEAPR 3-6 (Both Campuses)		X			X					\$10,000
	HEAPR 7-15 (Both Campuses)			X		X					TBD
1	Update predesign for Advanced Manufacturing/ Welding Hub expansion to include restructuring seating in Auditorium, replacing Automated Systems & Robotics with Business Classrooms and move closer to Manufacturing. Repurpose Audio Classrooms into alternative program space	X						X			\$25
2	Install CO2/NO2 sensors in Auto Tech and Ag and HVAC control	X				X					\$33
3	Predesign to remove & replace ceiling in main Commons, create one-stop shop for Student Services/Support, create collaborative/study spaces near North & South Commons, tactical remodel to 'freshen' select classrooms and common areas	X						X			\$20
4	Design for Advanced Manufacturing/Welding Hub expansion, restructuring seating in Auditorium, replacing Automated Systems & Robotics with Business Classrooms and move closer to Manufacturing. Repurpose Audio Classrooms into alternative program space	X					X				\$200
5	Reconfigure classroom C133 & adjacent rooms into one office suite	X						X			\$75
6	Develop new business collaborative/study space in upper level of building 'C'	X						X			\$20
7	Demo tennis courts	X						X			\$40
8	Predesign for new Ag Equipment Service Lab	X						X			\$40
9	Predesign for Teaching Greenhouse	X						X			\$25
10	Predesign for Gym entry addition	X						X			\$20
11	Replace roof on Business Development Center	X				X					\$754
12	Continue to renovate toilets across campus	X	X	X				X			\$75
13	Remove & replace ceiling in Commons, Create one-stop shop for Student Services/Support, Create collaborative/study spaces near North & South Commons, Tactical remodel to 'freshen' classrooms and select common areas.	X	X	X			X	X			\$560

PROJECTS AND PHASING

#	DESCRIPTION	TIMEFRAME				FUNDING					COST Prob. Cost (1,000s)
		PHASE I : 0 - 2	PHASE II : 3 - 6	PHASE III : 7 - 15	PHASE IV : 16 - 20	HEAPR	Bonding	College	City	Other	
	<input type="checkbox"/> Hutchinson Campus <input type="checkbox"/> Willmar Campus										
14	Construct Advanced Manufacturing/Welding Hub expansion, Restructure seating in Auditorium, Replace Automated Systems & Robotics with Business Classrooms and move closer to Manufacturing, Repurpose Audio Classrooms into Alternative Program Space		X			X	X				\$1,650
15	Create collaborative classroom in Nursing classrooms A162A & A162B and/or B166 & B168		X					X			\$50
16	Develop new collaborative/study spaces in lower level of building 'B'		X					X			\$20
17	Tactical remodel to 'freshen' classrooms & select common areas		X				X	X			250
18	Develop new collaborative/study spaces in upper level of building 'B'		X					X			\$25
19	Create built-in study/collaborative space in corners of main commons		X				X	X			\$35
20	Develop new collaborative/study spaces in upper level of building 'F'		X					X			\$10
21	Design new Ag Equipment Service Lab		X			X	X				\$500
22	Design Teaching Greenhouse		X			X	X				\$200
23	Design new Gym entry addition		X					X			\$15
24	Introduce rainwater gardens in parking lot			X				X			\$70
25	Explore expanding existing Academic Support and increase visibility			X				X			\$100
26	Develop new collaborative/study spaces in the lower level of building 'C'			X				X			\$20
27	Space plan and design for Academic Support and increased visibility			X				X			\$15
28	Repurpose existing kitchen & food service into student life & student senate. Incorporate convenience food service. Relocate Fine Art Gallery into concourse.			X		X	X				\$150
29	Construct new Gym entry addition			X		X	X				\$1,750
30	Construct new Ag Equipment Service Lab			X		X	X				\$6,750
31	Construct Teaching Greenhouse			X		X	X				\$2,000
32	Construct Academic Support			X				X			\$500
33	Enhance east entry, create additional plaza / outdoor collaborative space			X		X	X				\$175