ACKNOWLEDGMENTS

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Envision UMR is the master plan for 10 acres of land in the heart of Downtown Rochester, MN, that will integrate UMR’s new educational facilities with instructional laboratories and other public/private partnerships.
OVERVIEW

The University of Minnesota Rochester (UMR), the newest campus in the University of Minnesota system, is focused on the innovative delivery of health science and biotechnology education. Innovating the curricular design, structure of coursework, deployment of faculty talent, and interlacing the campus into the community, according to author, Robert Zemsky, “and that ultimately is why UMR is such a harbinger of a better, more productive and responsive future for American higher education.”1

In its foundational years, UMR forged partnerships with the Mayo Clinic and other institutions to offer distinctive health sciences and biosciences education that prepares students for a broad spectrum of current and emerging careers, ranging from patient care to pure and applied research. UMR matriculated its first class in 2009 and currently serves approximately eight hundred undergraduate and graduate students.

In 2009, UMR prepared a master plan that envisioned an “Education District” in downtown Rochester that would foster collaborations in learning, research, and industry; and in the process contribute to the regeneration of downtown through the campus’ physical design and successful integration with the city.

In addition to envisioning an Education District, the ’09 UMR Plan called for the creation of a “comprehensive plan for downtown Rochester that contemplates the University’s presence, its need for partners in facilities, and its potential impact in stimulating demand for more retail and residential development.”2

Acting upon that recommendation, local leaders from the City of Rochester, Olmsted County, the Mayo Clinic, UMR, and other stakeholder organizations spearheaded the 2010 Downtown Rochester Master Plan (’10 Downtown Plan); which recognized and endorsed an emergent “Educational District” at the south end of downtown along 1st Avenue.

The shared vision of the ’09 UMR Plan and the ’10 Downtown Plan is the basis for Envision UMR, the plan that will guide UMR’s campus development over the next ten years as well as set a vision for the University’s long-term growth. The goals of Envision UMR are threefold:

1. A physical plan will situate a new UMR campus within the Education District, organizing buildings, open spaces and key connections to be developed by UMR and its partners.

2. The plan will identify a strategy for inclusion of partnerships within the Education District.

3. An implementation plan will lay out a timeline with key roles and next-steps.

Three other planning initiatives began in 2014 and ran concurrently with Envision UMR, each of which involved significant collaboration between the initiatives’ project teams. Destination Medical Center (DMC), which is described as “an innovative economic development initiative to secure Minnesota’s status as a global medical destination now and in the future,”3 is a six billion dollar initiative that could potentially fund myriad capital projects throughout downtown Rochester. Second, the Rochester Parks Department began a master plan for Soldiers Field Memorial Park, Rochester’s primary downtown city park and is located at the edge of the Education District. Third, the City of Rochester began the task of updating its comprehensive plan, which will set the City’s strategic direction and potentially lead to revisions to the City’s zoning code in support of strategic objectives.

These efforts, alongside Envision UMR, are poised to take the Education District from vision to reality. UMR has set a goal to construct its first academic building in the Educational District within six to eight years. This building will be the first phase of a dramatic regeneration of the site and a showcase of innovation in American higher education.

“Bigger is not better. If we focus on the better, the bigger will follow”

- Chancellor Stephen Lehmkuhle

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Chancellor Lehmkuhle leads the consultant team on a site walk of the UMR campus.

PROJECT TIMELINE

FEBRUARY/MARCH
Project kick-off, stakeholder interviews, site reconnaissance, launch of MyUMR survey

APRIL/MAY
Conceptual design formulation, public forum, ongoing stakeholder meetings

JUNE/JULY
Preparation of final master plan
AUGUST/SEPTEMBER
Submission of master plan to University of Minnesota Board of Regents.

**MASTER PLAN PROCESS**

Envision UMR is the product of a six-month engagement process beginning in February 2014. Stakeholders from the general public, the City of Rochester, Olmsted County, Mayo Clinic and other institutional partners, UM administration, the UMR community, and many others contributed knowledge, ideas, opinions, and other valuable input. Engagement and outreach included:

- A web-based survey of UMR students, faculty, and staff was conducted to better understand community engagement, lifestyle preferences, and other factors that influenced the physical design of the Education District. Nearly a quarter of the UMR community participated.

- Numerous meetings were held with key Rochester institutions; including the Mayo Clinic, the Rochester Area Family Y, Destination Medical Center, and others.

- The consultant team worked closely with UMR's Campus Planning Advisory Committee, which provided guidance throughout the master planning process.

- Three open forums were held for the UMR community, and a town hall meeting was held in May 2014.

For more detail on the outreach efforts undertaken under the planning process, please refer to Chapter 5.
THE COMMUNITY CAMPUS MODEL

From its founding, UMR has embraced a “community campus” model of physical and programmatic integration with the Rochester community. Beginning with University Square and continuing with Broadway Hall and 318 Commons, UMR has leased space in mixed-use buildings in a distributed pattern. The individual buildings vertically integrate UMR and non-UMR uses (e.g. classrooms above ground-floor retail). The streets and skyways act as conduits where UMR students, faculty, and staff intermix with the downtown community. UMR students often remark how they value rubbing shoulders with Mayo Clinic employees in the skyways. Neighboring organizations within and outside of these buildings contribute to the UMR experience even if not directly affiliated with the institution.

The distributed campus model was established as the preferred model under the 2009 UMR plan and will continue to guide the development of the Education District going forward.

“Seeing Mayo Clinic employees in the skyways is an inspiration for my career ambitions”
- UMR student

The master plan organizes the community campus model under three themes:

**Campus in the City**
Integrating UMR’s physical campus with the fabric of the city and creating synergistic relationships with partnership organizations

**Campus on the Park**
Envisioning the Education District as an open space link between downtown Rochester and Soldiers Memorial Field Park

**Campus Connectivity**
Providing access and multiple modes of transportation connecting UMR with its urban context
The University of Minnesota Rochester promotes learning and development through personalized education in a technology-enhanced environment. The University of Minnesota Rochester empowers undergraduate and graduate students to be responsible for their own learning and provides appropriate support to prepare them to succeed in a global and multicultural society. The University of Minnesota Rochester serves as a conduit and catalyst for leveraging intellectual and economic resources in Rochester and southeastern Minnesota through its signature academic, research, and public engagement programs in collaboration with other campuses of the University of Minnesota, other higher education institutions throughout the state and nation, governmental and non-profit organizations, and private enterprise.

UMR serves as a conduit and catalyst for leveraging intellectual and economic resources in Rochester and southeastern Minnesota.

PRINCIPLES

1. LEVERAGE PUBLIC-PRIVATE PARTNERSHIPS TO BUILD CAPITAL PROJECTS, DELIVER EDUCATIONAL PROGRAMS, AND CREATE RESEARCH OPPORTUNITIES

2. ESTABLISH A “FRONT DOOR” OPENING FROM DOWNTOWN ROCHESTER INTO THE EDUCATION DISTRICT AND A GATEWAY FROM THE EDUCATION DISTRICT TO SOLDIERS MEMORIAL FIELD PARK

3. MAINTAIN TRANSPARENT AND ACTIVE GROUND FLOOR USES

4. MAINTAIN A CONNECTED AND PEDESTRIAN-FRIENDLY DISTRICT THROUGHOUT

5. CREATE A STRONG ARCHITECTURAL IDENTITY ALONG BROADWAY AND 6TH STREET

6. ENCOURAGE WALKING, CYCLING, TRANSIT USE, AND OTHER ALTERNATIVES TO PRIVATE VEHICLES

7. HOLD ALL CAPITAL PROJECTS TO UM’S B3 SUSTAINABILITY GUIDELINES
2

MASTER PLAN
The Education District is poised to be Rochester’s hub of learning, research, and collaboration. The master plan envisions a district that fosters synergies between UMR and its partners by bringing students together with the institutional and industry leaders of the medical health professions. Through physical proximity to organizations like the Mayo Clinic and through direct collaborative programs with its partners, UMR and its new facilities in the Education District stand to enhance the total learning environment provided to students both inside and outside the classroom. The Education District—urban and integrated into the downtown fabric—is designed specifically to facilitate this type of educational experience.

1st Avenue will be the spine of this new district. The ’10 Downtown Plan recommended the cultivation of 1st Avenue as Rochester’s “main street.” This notion will be extended into the Education District by orienting the district along First Avenue, closing the street to vehicular traffic, and enhancing it with various pedestrian-oriented amenities.

In addition, a series of new open spaces will provide a supplementary organizing framework. These spaces—both plaza and park—will serve as the fabric of the district, tying together and organizing the buildings so that the district imbues a unified sense of place.

**LEGEND**

1. UMR-1  
2. UMR-2  
3. 6th Street bridge connection  
4. Spill-out plaza  
5. Partnership building  
6. Campus lawn  
7. 1st Avenue pedestrianization  
8. Parking ramp  
9. Partnership building  
10. Bus drop-off and handicap parking  
11. Campus open space  
12. Partnership building  
13. Gateway plaza  
14. Stormwater landscape
### SITE PROFILE

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<td>Total development</td>
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<td>Floor/Area Ratio</td>
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<td>Parking capacity</td>
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### DEVELOPMENT SITES

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<tr>
<td>F</td>
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</tr>
<tr>
<td>G</td>
<td>Partnership</td>
<td>127,000</td>
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Total development: 587,000 GSF

Increase in open space: 5.1 acres
DEVELOPMENT CAPACITY

At full buildout, the 10-acre Education District can accommodate more than a half million gross square feet of development. This level of development is in keeping with the urban design guidelines of the ’10 Downtown Plan, which called for seven-to-eight story buildings along 6th Street stepping down to three-to-four story buildings adjacent to Soldiers Memorial Field Park. This proposed massing, along with new campus open spaces, will yield a 1.4 floor-to-area ratio (FAR). FAR is a measure of density that compares the total floor area of all buildings within a district to the surface area of that district. By way of comparison, the FAR of the main quad at UM Twin Cities’ is 1.5, and the FAR of the Mayo Clinic campus is 7.0.

In addition to new buildings, 5.1 acres of new open space will be created. 1st Avenue will be transformed into a pedestrian street that will connect a succession of green spaces and plazas. A new campus green, located south of Development Site A, will connect 1st Avenue to Soldiers Field Memorial Park. And a large open space will be incorporated into the partnership building planned for the site adjacent to the Zumbro River (G).

A parking garage (D) is planned for the Education District to support the new development and replace existing surface parking. At two bays and four stories, the capacity of the garage will be approximately 280 spaces. The garage could be expanded to include a third bay of parking by replacing the adjacent partnership building (E), yielding a capacity of roughly 500 spaces.

At full buildout, the Education District can accommodate approximately 587,000 gross square feet of development.

1st Avenue looking north toward downtown Rochester
The purpose of Education District urban design guidelines is to capture the design intent of the master plan and provide urban design guidance as new buildings and public spaces are developed over time.

The four principles listed below describe the broad goals for the built environment that will comprise the Education District. These principles are intended to guide the design of individual buildings and landscapes toward a cohesive and distinctive sense of place for the district as a whole. They are consciously structured to support UMR’s mission and reinforce the ’10 Downtown Plan.

**URBAN DESIGN GUIDELINES**

**PRINCIPLE 1: URBAN DENSITY**

Maximize development potential to create a vibrant urban district while maintaining a human-scaled and high-quality public realm.

**PRINCIPLE 2: PUBLIC REALM**

Design buildings to create well-defined edges that frame streets, plazas, and open spaces and establish a comfortable, human-scaled, and connected public realm.

**PRINCIPLE 3: FUNCTIONALITY**

Balance pedestrian needs with functional needs of drop-off, service, emergency, and vehicular requirements within the district.

**PRINCIPLE 4: QUALITY OF PLACE**

Design with a palette of landscape elements, ground-floor treatments and equipment-screening techniques to give the district a sense of place.
**SITE PROFILE**

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587,000
PRINCIPLE 1: URBAN DENSITY

Maximize development potential to create a vibrant urban district, while maintaining a human-scaled and high-quality public realm.

Development Sites
The urban design framework for the Education District aspires to utilize the Rochester urban grid within the district and to create a strong pedestrian network with connections to Soldiers Memorial Field Park.

Scale and Building Heights
The Education District’s development should be responsive to its surrounding context with a building height transition from downtown Rochester to Soldiers Memorial Field Park. As a goal, the establishment of a height of no more than four stories before a step-back will give the district an overall human-scaled pedestrian quality. Building heights that step back along 6th Street should be no more than eight stories and should transition to four stories when adjacent to Soldiers Memorial Field Park. To ensure a human scale, large expanses of uniform façade treatment (especially top to bottom) should be avoided in favor of more responsiveness to context and building function.

Building Orientation
Buildings in the district should be oriented in alignment with the Rochester street grid strengthening the urban realm of streets, plazas, and open spaces. Where possible, buildings should be oriented with the long axis east-west to limit east- and west-facing façade areas and maximize north- and south-facing façades. This will limit exposure to the most intense solar heat gain, assuming south facing façades incorporate sun shading or other technologies. When a building’s long façade needs to face east or west to meet program requirements and/or reinforce a street edge or public space, sunshades and other architectural devices should be used to limit solar gain.
PROPOSED BUILD-TO LINES
- BUILD-TO LINE
- DEVELOPMENT BLOCK
- OPEN SPACE

PROPOSED ACTIVE EDGES
- ACTIVE EDGE
- DEVELOPMENT BLOCK
- OPEN SPACE
PRINCIPLE 2: PUBLIC REALM

Design buildings to create well-defined edges that frame streets, plazas, and open spaces and establish a comfortable, human-scaled, and connected public realm.

Build-to-Lines

Several build-to-lines, where buildings come right to the edge of the street or public space, are recommended to create a strong sense of enclosure in certain areas of the district. Buildings along 6th Street and Broadway should reinforce the street, providing an urban street wall from downtown Rochester to the district. Buildings should allow for a minimum of fourteen-foot sidewalks to accommodate tree plantings, seating, and transit shelters. Generally, ground-level treatment along these edges should be transparent, with visual access to active uses and commercial uses.

Setbacks and Step-backs

In some instances, setbacks from the property line will allow for a more generous entry court at the public entrances to buildings. For example, the strategic partnership building located at 1st Avenue and 6th Street may be setback to accommodate a more generous entry plaza area along the district’s “Main Street” corridor.

In general, throughout the district, a ten- to fifteen-foot step-back at a four-story building height along active streets and other public places is recommended to ensure a pedestrian scale.

Walkability

“A combination of the cold Minnesota climate and the operational needs of a medical center have resulted in the proliferation of a subway and skyway system throughout the downtown Rochester core. While this system of underground tunnels and above grade enclosed bridges offers pedestrians shelter from an often harsh climate and from difficult or congested street crossings, it also has the unfortunate side effect of drawing energy and vitality from the exterior street level, a zone that – in most cities – is the main opportunity for the chance encounters that lend excitement and interest to the urban experience.”

As recommended in the 2010 Downtown Rochester Master Plan, the urban design of the UMR Education District creates a vibrant, accessible public realm at street level. Building on the Downtown Master Plan’s identification of 1st Avenue as an important mixed-use spine, UMR community-oriented and active uses are clustered along the 1st Avenue pedestrian “main street”, as well as along 6th Street and Broadway frontages to enliven walking along these streets. Rather than privatizing and hiding community-oriented facilities in the upper levels of buildings, cafes, study commons, and retail are located at the ground level; building facades are designed to be as transparent as possible to reveal the activities within; outdoor gathering spaces are located adjacent to these indoor activity nodes to allow spill-out in temperate seasons and a beautiful view to the outdoors in winter; and buildings are located close together and joined into a coherent, navigable campus fabric by green spaces designed to enhance walking and offer users an opportunity to connect with the natural environment.

FUNCTIONALITY ZONES

- PEDESTRIAN
- OPEN SPACE
- ZUMBRO RIVER AREA
- SERVICE
- SHARED
PRINCIPLE 3: FUNCTIONALITY

Balance pedestrian needs with functional needs of drop-off, service, emergency, and vehicular requirements within the district.

Functionality Zones

The Education District must function with a network of pedestrian, emergency, and service needs all intertwined within the same compact geography. The success of the district relies on the careful and distinct design of specific zones and the coordination of pedestrian and vehicular movements within and between them.

The diagram to the left illustrates three zones: pedestrian, shared, and service. The following describes the design recommendations for each zone:

Pedestrian zones should have extensive shade throughout to create a cooler, more comfortable microclimate for people walking in the district. Pathways, seating areas, pedestrian lighting, and other pedestrian amenities should be carefully located within the pedestrian zones of the district. Ground floors of buildings facing onto the pedestrian zones to the extent possible should be transparent and accommodate a range of active uses.

Shared zones, areas for pedestrian and vehicular movement, should provide shaded sidewalks. Curb, bollards, and special paving should be used to delineate pedestrian zones that are safe and well protected from vehicular traffic and service vehicles. It is highly recommended that an operational system to schedule delivery and pick up trips be coordinated to regulate and limit the number of large vehicles driving in the district during peak pedestrian times.

Within the shared zone, special attention should be paid to shepherding pedestrians to specific points of crossing. Critical to the functionality of the Education District is the creation of well-defined and safe areas where pedestrian and vehicle paths cross. Bus drop-off for district stakeholders should be studied to accommodate proper turning radii and an appropriate size for the drop-off area.

Service zones need to provide optimized functionality for service and emergency vehicles as well as for access to loading docks. Roadways need to have proper width and turning radii for large service trucks to access loading docks. Loading areas should accommodate all of the service, storage, trash, and recycling needs of the district facilities. Ensuring that the operational needs of the users in the district are met is critical to its long-term success and functionality.
Race Street Pier | Philadelphia, USA (above)
Stationsstraat | Sint-Niklaas by Grontmij, Belgium (below)
PRINCIPLE 4: QUALITY OF PLACE

Design with a palette of landscape elements, ground-floor treatments and equipment-screening techniques to give the district a sense of place.

Shady Streets and Open Spaces

The Education District’s site location provides an exciting opportunity to reinforce Rochester’s streetscape improvements and to create open spaces that connect to Soldiers Memorial Field Park.

Extensive planting of shade trees both on streets and in plazas and quads is an important recommendation for the district. The urban design principles of urban density and public realm will ensure that buildings are organized within the grid of streets and pathways to create significant shade. Trees should be planted to supplement and provide continuous shade in pedestrian areas.

Providing open spaces in the district will greatly enhance the quality of place. Forty to fifty percent of the overall district should be devoted to open space. The southeast area of the district, between “Main Street” and Broadway, provides an opportunity for the district to engage the Zumbro River and create a vibrant green space. This southeast area should be developed as fifty to sixty percent open space.

Ground Level Treatment and Building Entrances

It is critical to the vibrancy of the new district that the streets and public spaces are activated by the uses in the ground level of buildings. Retail, food and beverage, and other active and visually interesting uses should face the streets and public spaces as indicated in the attached “Active Edges” diagram. Activating “Main Street” by providing visual transparency and vibrant uses is an opportunity to extend Rochester’s 1st Avenue into the district as an animate promenade. Wherever possible, primary building entrances should face onto the active edges to contribute to the animation of these key public spaces in the district.

Screening of Equipment

Critical to the success of a compact, urban district is the careful screening of the extensive utility and service equipment and infrastructure that will be required to service its buildings and users. Service areas and outdoor equipment must be screened from public view using architectural walls, screens, and hedges where possible. Street entrances to loading areas should be screened.
More than five acres of new open space is planned for the Education District. The 1st Avenue pedestrian street (D) will become a spine connecting new open spaces and serving as the “main street” of the district. A gateway plaza (A) will provide a flexible space for farmers’ markets, food trucks, a pop-up skating rink, and other uses. A shaded plaza (B) will transition from the busy entrance to UMR-1 to 1st Avenue. The University’s main campus green (C) will be located just south of UMR-1. This will be the signature green space for UMR and an important connection to Soldiers Memorial Field Park. A second green space (E) will take the form of a flexible lawn and be incorporated into the development of the partnership site adjacent the Zumbro River. A rain garden (G), a planted depression that attenuates and treats stormwater, will be incorporated into the landscape south of the Y. Finally, a second gateway plaza (F) will mark the seam between the Education District and Soldiers Memorial Field Park.

LEGEND
A. Gateway plaza
B. “Spill out” plaza/grove
C. Campus green
D. Pedestrian “Main Street”
E. Flexible lawn
F. Gateway plaza
G. Rain garden
The Plaza at Harvard University | Cambridge, USA (above)
PPG Place | Pittsburg, PA (left)
Stakeholder input, both anecdotal and through the MyUMR survey, indicated a strong desire for a walkable campus. Over 47 percent of survey respondents identified walking as their preferred means of getting around, more than any other mode (including driving). In response, the Education District has been designed for pedestrians. Building upon the ‘10 Downtown Plan’s concept of extending the “main street” character of 1st Avenue south into the Education District, 1st Avenue (south of 6th Street) will be transformed into a pedestrian street lined with trees and framed by active ground-floor uses. It will link together the various components of the district and connect it to Soldiers Memorial Field Park and downtown Rochester.

Walking was the most-desired way to get around: 47% of respondents indicated walking was their preferred mode.
The 1st Avenue pedestrian street will be designed with features that encourage walking, people-watching, and other pedestrian activities. Shade, outdoor furniture, and special pavers are some of the design components that can be used to create a great walking environment for this district “main street.”

The street will be wide enough that cyclists and pedestrians can share the street without conflict. Emergency vehicles, deliveries, and other limited vehicular activity will also be accommodated.

As the primary connection between the Education District, 318 Commons, and University Square; the quality of the public realm from a pedestrian’s perspective will be vital.
COMPARATIVE WALK DISTANCES

UM Rochester

UM Twin Cities
All corners of UMR’s campus—University Square, 318 Commons, and the Education District—are within easy walking distance of each other. Able-bodied humans walk at a pace of roughly three miles per hour. At that rate, University Square and 318 Commons are roughly 3.4 minutes apart. 318 Commons and the Education District are roughly 2.8 minutes apart.

These walk times are comparable to the time it takes to walk the main quad at UM Twin Cities. There, it takes 3.2 minutes to walk from the Northrop Auditorium to the Coffman Union.

A combination of short distances between buildings and the pedestrian-oriented streetscape improvements described previously stand to create a high level of walkability at UMR.
Over the past decade, bicycle use in the United States has increased significantly and has been embraced as a practical, reliable, and economical mode of transportation. Across the United States, bicycle culture is strongest in college towns. In Davis, California, bicycles account for 19.1 percent of journeys to work (or school). Minneapolis is also a leader in the bicycle movement. It ranks second nationally in share of bicycle commuters, behind only bicycle haven, Portland, OR. Moreover, ridership in Minneapolis has grown 179 percent since 1990.¹

Interest in cycling is strong at UMR as well: 26 percent of MyUMR respondents identified cycling as their first or second most desired means of getting around. The Education District is positioned well to receive the demand given its location on the Zumbro River ped/bike path, an important route in metro Rochester’s regional path network. The provision of bicycle infrastructure within the Education District is planned to improve the safety and convenience of bicycle commuting.

Pier 6 | Brooklyn, USA (above)
Nice Ride bicycle station, Minneapolis, USA (left)
A sizeable portion (17%) of MyUMR survey respondents identified transit as their first or second most preferred means of getting around. UMR offers discounted transit passes to UMR students, which boosts ridership. However, the Rochester’s transit system is currently designed around professional commuters rather than students. Buses have limited service in the evenings, limited Saturday service, no service on Sundays, and they do not go to several destinations important to students.

While addressing the City’s transit system’s shortcomings is outside the scope of Envision UMR, discussions are taking place on how to make improvements. A new transit hub is being considered for 6th Street adjacent to the Education District. This, and a new bus stop on Broadway would greatly improve the utility of the bus network from UMR’s perspective.
Students board Metro Transit buses in South Minneapolis (above).

Car-sharing programs like Car-to-Go (pictured right) provide affordable access to private vehicles without the hassle and cost of ownership. Recent research has found that every car-sharing vehicle replaces six private vehicles, thus reducing traffic, parking demand, pollution, and other negative externalities.
The car is the dominant mode of transport in Rochester, and the UMR community by-and-large relies on the private automobile to access the existing campus. While the Education District has been planned to prioritize pedestrians, convenient car access has been built into the design.

An interior street will be located behind the buildings lining 1st Avenue and Broadway. Motorists will be able to access a drop-off loop, handicap parking, and a 280-space parking garage off of this street. Service and emergency access will be accommodated through the new interior street and the 1st Avenue pedestrian street.

An analysis of both demand-side and supply-side parking economics was conducted to determine an appropriate supply of parking for the Education District. Although it is conventional to study only the supply-side, understanding the generators of parking demand is an important part of the equation.

UMR has promising potential to reduce car-dependency by reducing the need to drive in the first place. Of MyUMR respondents, 72 percent indicated that they prefer to live downtown or in downtown-adjacent neighborhoods that are within walking or cycling distance to the Education District. Moreover, 47 percent of respondents ranked walking as their preferred mode of transportation.
primary means of transportation (driving was second with 42 percent). These preferences are already evident in parking utilization, particularly among students. UMR leases just one parking space for every 8.2 students, evidence that students are choosing car-free or car-limited lifestyles.

In addition, shared parking is expected within the district, which will further reduce demand. For example, a UMR student may patronize district retail and attend class in a UMR building, but will only park once. Users visiting district retail, as well as YMCA users, are not storing their cars on-site all day - YMCA and retail-oriented parking will have a high turnover rate.

If existing patterns of driving behavior continue, UMR will initially generate demand for less than 60 parking spaces. The bulk of parking demand will be generated by partnership entities. That partnership parking demand will depend on a number of variables not known at this time including: type of use, amount of space built, and availability of parking near the Education District.
The University of Minnesota’s sustainability guidelines—Buildings, Benchmarks, and Beyond (B3)—set standards for capital projects throughout the UM system. Among the B3 standards, the University calls for Best Management Practices (BMPs) for storm water runoff rate control, volume control, and water quality that will apply to campus development. The BMPs include: green roofs, permeable pavements, rain water harvest, rain gardens, underground detention, and ponds. These BMPs will be used to develop the UMR Storm Water Management Plan.

The City is updating its storm water management policies similar to B3 standards. The City policies are changed periodically, so UMR development must be flexible to adapt to the City’s changing policies.

**Storm Water Fee**

The City charges a monthly fee based on a property’s impervious surface area. A lump sum charge is also required when impervious surface area is added during construction.

UMR will be converting existing impervious surface area into interim green space (pervious area) as properties are acquired in the campus planning area. UMR will determine the most cost-effective method to benchmark current...
impervious areas so that future development is not penalized. Through any method, UMR development will result in a reduction to the existing impervious surface area.

Water Main
The City’s distribution system is capable of providing for the domestic and fire protection needs for the UMR Campus. As the UMR campus is developed the replacement of the 1st Avenue SW water Main will be required.

Sanitary Sewer
In anticipation of UMR development the City constructed a relief line to the west of the proposed campus. As development occurs the replacement of the existing sanitary sewers located within the UMR campus will be required.

Five acres of hardscape will be reclaimed as pervious surfaces that will attenuate stormwater flow during major storm events and filter out harmful pollutants.
Generating and distributing energy at a district scale rather than building-by-building greatly improves energy efficiency, reduces carbon emissions, and decreases life-cycle costs among other benefits. District energy systems produce steam, and/or hot or chilled water at a central plant; then pipe it underground to individual buildings for space heating, domestic hot water, heating, and air conditioning.¹

There are two district energy systems in place in Rochester: one maintained by Olmsted County, the other by Mayo Clinic. The Education District lies between the two systems and could potentially link them together.

Olmsted County’s system extends to the intersection of 4th St. SE and 3rd Ave SE. A proposal to extend it across the Zumbro River.

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is in the planning stage. The County’s system generates energy from a waste-to-energy plant two miles east of downtown. This system provides significant environmental benefits given the plant qualifies as a carbon sink: a reservoir that accumulates and stores carbon-containing compounds through the process of carbon sequestration.²

The Mayo Clinic also maintains a district energy system, which extends to the intersection of 3rd St SW and 3rd Avenue SW. The institution’s long-term expansion plans call for approximately ten million square feet of new development, mostly southwest of downtown (as depicted in the ‘10 Downtown Plan). Extending the district energy system to serve this development will bring it to the extents of the County system as well as the Education District.

It is here that UMR can plug into the dichotomous systems. This will require minimal investment on the part of UMR (which does not intend to own any district energy infrastructure in Rochester). Other than underground distribution lines, no dedicated district energy facilities are required within the Education District. Individual buildings can simply plug into the distribution lines.

Expanding and linking the County and Mayo clinic distribution networks will require significant investment and coordination, possibly in conjunction with transportation infrastructure projects. For example, the 6th Street Bridge as proposed under the ‘10 Downtown Plan is the optimal connection point between the County’s network east of the Zumbro River, Mayo Clinic’s planned expansion, and the Education District.

UMR will continue to coordinate with its public and institutional partners around district energy.

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PARTNERSHIP EVALUATION CRITERIA

1. MUST BE AN EXISTING, FINANCIALLY-SOLVENT ENTITY
2. MUST HAVE A COMMUNITY-BASED CONSTITUENCY
3. STRENGTH AND RELEVANCE OF BRAND IDENTITY
4. INTEREST IN SHARED/FLEX SPACE
5. SYNERGY POTENTIAL
6. FULFILLMENT OF THE “PROXIMITY PRINCIPLE”
PARTNERSHIPS

Through partnerships with metro Rochester institutions, organizations, and the city itself; UMR can leverage its resources to deliver a high-quality educational experience to its students while simultaneously contributing to the economic growth of downtown Rochester.

UMR already has active partnerships in place. In an educational collaboration with the Mayo Clinic School of Health Sciences, UMR offers a B.S. in Health Professions whose curriculum focuses on the science foundations, liberal education, and prerequisite courses selected to meet the need for deeper academic preparation in health professions.

UMR maintains space in 318 Commons, a privately-developed mixed use building. Within the building UMR maintains faculty office space, study space, classrooms and laboratories, and six floors of apartments. These uses are intermixed with non-affiliated uses, including restaurants and retail at the ground level and a health clinic at the skyway level.

The health clinic in 318 Commons is another active partnership. UMR contracts with the Olmsted Medical Center to provide medical services to UMR students.

UMR partners with the Rochester Area Family Y to provide sport and recreation amenities to students through student service fees. These partnerships allow UMR to provide amenities and opportunities to its community that it would not otherwise have the resources or student customer base to support independently. They are examples of the community campus model in action.

In selecting future partner organizations, two prerequisite criteria must be met. The organization: must be an existing, financially-solvent entity, and it must have a community-based constituency. Once these conditions are met, the organization should be evaluated on: the strength and relevance of its brand identity; its interest in shared/flex space; its synergy potential; and its fulfillment of the “proximity principle,” i.e. the degree to which the partner organization’s presence strengthens UMR’s mission to prepare students for their lives and future health-related careers.

“Higher education can no longer stand apart, but must be collaborative and partnership-driven.”

- 2009 UMR Plan
IMPLEMENTATION
UMR is in the incremental process of purchasing the properties that comprise the Education District. It currently owns 2.7 acres and the Y owns another 2.7. Together they control over half (55%) of the 9.8-acre district. The University’s intention to acquire a contiguous tract of land for its planned expansion is intentionally public and transparent.

The parcels that the Y building occupies will remain Y-owned. UMR’s vision for the Education District respects the current boundaries of Soldiers Memorial Field Park.

### LAND OWNERSHIP AS OF JULY 1, 2014

<table>
<thead>
<tr>
<th>Property</th>
<th>Acreage</th>
</tr>
</thead>
<tbody>
<tr>
<td>UMR holdings</td>
<td>2.65</td>
</tr>
<tr>
<td>YMCA holdings</td>
<td>2.74</td>
</tr>
<tr>
<td>City-owned R-O-W</td>
<td>1.8</td>
</tr>
<tr>
<td>Other privately-held parcels</td>
<td>2.58</td>
</tr>
<tr>
<td>Education District total</td>
<td>9.77</td>
</tr>
</tbody>
</table>
Project Description

A  Conduct site testing and analysis to inform decisions about structure types, and environmental conditions. Construct UMR-1, a mixed use building containing classrooms, labs, office space, study/gathering space, and partnership space.

B  Complete first section of 1st Avenue pedestrianization. Coordinate with the City and local property owners to ensure access, including service and emergency vehicles. If necessary, these improvements could be designed and constructed separately from UMR-1.

C  Adjust Broadway parcel to meet future needs for parking

D  Complete UMR campus green. Verify parking needs, UMR-1 construction staging and park programming as part of the design of the campus green.

E  Construct interim parking facilities as needed to serve UMR-1 pending future phases. Coordinate street access with City.
PHASE 1

The buildout of the Education District can begin at the corner of 1st Avenue and 6th Street on land currently owned by UMR. This location has been identified for UMR-1: the University’s first purpose-built facility. UMR-1 and associated site improvements are anticipated to be designed and constructed within approximately six to eight years of this plan, but the actual implementation schedule will depend on funding, enrollment growth and local partnerships.

The pedestrianization of 1st Avenue can also begin during Phase 1. Since the street will always be accessible to certain vehicles (i.e. service and emergency vehicles), during interim phases general traffic can be permitted to enter. This will not interfere with planned public realm improvements.

Once parking is redistributed, the campus green (D) can be completed under Phase 1. Minor site improvements to UMR’s Broadway parcels may be required to ready them for parking purposes.
**Project** | **Description**
---|---
A | Construct UMR-2, a mixed-use building for the long-term expansion of the University. Consult with CPPM and local partners to determine building program and space needs.
B | Create a temporary open space. Evaluate interim parking needs prior to site improvements. Remove or abandon existing water main if feasible. Several easements cross the site, particularly between Broadway and 1st Avenue SW. Prior to redevelopment, these should be resolved with the relevant parties, including Rochester Public Utilities and the City.
C | Complete second section of 1st Avenue pedestrianization while maintaining access to parking and buildings on south end of site.
PHASE 2

Phase 2 involves the construction of UMR-2: the University’s second purpose-built facility. UMR-2 is envisioned as a mixed-use building that accommodates the long-term expansion of the University and space for to-be-determined partnerships.

The second section of the 1st Avenue pedestrianization project can also be completed during Phase 2. Pending land acquisition, a temporary open space can be created to connect UMR-1, UMR-2, the Y, and Soldiers Memorial Field Park.

The timing of UMR-2 and other Phase 2 projects has not yet been determined and will depend on property acquisition, enrollment growth and local partnerships.
### Project Description

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Complete interior street and vehicular drop-off. Consult with transit providers and local alternative-transportation programs to identify appropriate street design.</td>
</tr>
<tr>
<td>B</td>
<td>Construct parking garage. Consult with the City and other partners to determine space needs, technical and regulatory factors (such as flood zone ordinances) and potential cost-sharing. The design should consider access from Broadway as well as the potential for adding levels to the parking structure as a future phase.</td>
</tr>
<tr>
<td>C</td>
<td>Construct mixed-use partnership building containing ground-floor retail and/or food and beverage, with office and flex space above</td>
</tr>
<tr>
<td>D</td>
<td>Complete the third and final section of 1st Avenue pedestrianization</td>
</tr>
<tr>
<td>E</td>
<td>Create temporary open spaces at the YMCA and Condominium sites</td>
</tr>
</tbody>
</table>
PHASES 4 + 5

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Construct a mixed-use partnership building for the long-term expansion of the University and partner uses</td>
</tr>
<tr>
<td>B</td>
<td>Construct a partnership building for a to-be-determined program</td>
</tr>
</tbody>
</table>
Planned enrollment growth is the main driver of UMR expansion into the Education District. Over ten years, enrollment will grow to approximately 1,400 from today’s enrollment of 794. The entirety of that growth will come from UMR programs. Enrollment in partner programs, which currently accounts for 35 percent of the UMR student body, will remain steady.

Approximately 30 faculty and 12 staff will be hired to accommodate the influx of students, bringing the total faculty headcount to 76 and the total staff headcount to 75.
75 planned staff headcount

6 existing (partner)

12 growth (UMR)

57 existing (UMR)

76 planned faculty headcount

5 existing (partner)

30 growth (UMR)

41 existing (UMR)

UMR [existing] headcount x10

UMR [forecasted] headcount growth x10

PARTNER [existing] headcount x10
### UMR-1: PLANNED INTERIOR SPACE

<table>
<thead>
<tr>
<th>Program type</th>
<th>Floor Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom</td>
<td>18,500</td>
</tr>
<tr>
<td>Instructional Laboratory</td>
<td>13,000</td>
</tr>
<tr>
<td>Study/gathering</td>
<td>29,000</td>
</tr>
<tr>
<td>Faculty office and support space</td>
<td>10,500</td>
</tr>
<tr>
<td>Staff office and support space</td>
<td>4,500</td>
</tr>
<tr>
<td>Retail/food &amp; beverage</td>
<td>10,000</td>
</tr>
<tr>
<td><strong>Net assignable square footage</strong></td>
<td><strong>85,500</strong></td>
</tr>
<tr>
<td><strong>Gross square footage</strong></td>
<td><strong>120,000</strong></td>
</tr>
</tbody>
</table>
UMR-1 PROGRAM

Approximately 85,500 net assignable square feet of new space will be necessary to accommodate UMR’s planned enrollment growth. This space—a mix of classrooms, laboratories, study spaces, office space, and other types of space—will generate the program for the first newly-constructed building in the Education District: UMR-1.

UMR-1 is intentionally planned as a mixed-use building. Active uses that are open to the public will fill the ground floor, like at 318 Commons, where ground floor uses include retail and food/beverage venues. Specific tenants should be appropriate and synergistic to the UMR educational experience.

The next three floors will include a mix of classrooms and study/gathering spaces. Classrooms should be located on lower floors to avoid elevator queuing during class change periods.

The upper three floors will include faculty and staff office space with instructional laboratories above. Office space should be located on upper floors because it generates relatively little foot traffic. Labs should be located on the top floor(s) to minimize the length of ducting necessary to reach ventilation outfalls on the roof.

The new space in UMR-1 will not replace all of the University’s existing space. Assignable square feet will be maintained in existing facilities to support administration, partnership programs, and some academic support functions. Downtown locations will remain important, especially for partnership programs and connectivity to the Mayo Clinic.

Approximately 85,500 net assignable square feet of new space will be necessary to accommodate UMR’s planned enrollment growth.
FUTURE GATEWAY TO THE EDUCATION DISTRICT

1st Avenue and 6th Street (pictured above) will be the signature gateway to the Education District. UMR will construct the institution’s first dedicated building at this important intersection. The building will announce the institution and welcome the city with an active ground floor that is accessible to the public.
Classroom design influences student outcomes, student engagement, creativity and faculty interest in teaching in an active format. Classroom design impacts the efficiency and effectiveness of the educational process. Both efficiency and effectiveness are elements that define UMR efforts to innovate undergraduate education. The spaces in UMR-1 will accommodate many different activities, but the classrooms for undergraduate education will support a proven design for active learning classrooms. Within these classrooms technology will further enhance the student experience and bolster academic outcomes.
Seventy percent of American office workers work in open plan office space.¹ Research on the effects of open plan offices frequently cite improved staff communication, idea flow, and camaraderie. Moreover, open plan office space is more space-efficient than private office plans.

To reduce the impact of noise on productivity, flexible spaces are typically provided away from workstations for impromptu and informal collaboration. Office hoteling can also be employed to provide quiet space for times when solitary focus is needed.

MyUMR survey respondents reported that students found the open plan office space in 318 Commons to render faculty more accessible than the private offices in Broadway Hall.

“The faculty offices at 318 Commons are great for student interaction. This is the model.”

- MyUMR Survey respondent

¹ International Management Facility Association
UMR-1’s interior spaces should be designed with flexibility in mind. Flexible spaces allow for greater utilization than single-purpose spaces, and they are more adaptable to future changes in pedagogy. For example, large assembly spaces are used only on occasion. If tiered seating is designed to be collapsible, the assembly space can double as a classroom.
UC Santa Barbara | Santa Barbara, USA (above)
Moray College | Elgin, Scotland (left)
University of Copenhagen | Copenhagen, Denmark (opposite)
To enhance engagement on campus, circulation space should be designed to be more than simple hallways. Circulation space is where people mix, and it should be designed to facilitate interaction. Informal gatherings, classroom spill-out, light study, and other activities thrive in circulation space when furniture and layout allow for them. A student and professor may want to revisit a topic after class, or a student may be early for a lecture and choose to review notes with a fellow student. These types of activities are best-suited for circulation space, and they contribute to the vitality of public spaces on campus.
In accordance with the ‘09 UMR Plan and the ‘10 Downtown Plan, the ground floor of UMR-1 should contain active and publicly-accessible uses. These types of uses activate the street and strengthen the vitality of the surrounding neighborhood. As an institution that is integrated into the fabric of the city, UMR has an opportunity to program its buildings to be positive contributors to the urban life of downtown Rochester.

Retail, food and beverage, and exhibition space are a few examples of active uses that would be appropriate in UMR-1. Tenants should be evaluated on how relevant, appropriate, and affordable their goods and services are to the UMR community.
ALTERNATIVE DEVELOPMENT SCENARIOS

The Envision UMR planning process was intentionally structured to allow for the evaluation of alternative development scenarios. During the planning process, two major variables were in play that would affect the way the district would be built out.

First, the Rochester Area Family Y was in the midst of a strategic planning process that, among other directives, would determine whether it would pursue construction of a new facility or renovate in place. The design of the Education District as it has been described in the preceding pages of this document considers a baseline scenario (Scenario A) wherein the Y chose the latter option. However, if the Y chooses to develop anew, Scenario C could take place wherein the new Y building is located along the Zumbro River and a partnership building is constructed at the current Y site.

Second, the Rochester Department of Parks & Recreation was in the midst of a master plan for Soldiers Memorial Field Park. The prospect of a land swap was discussed, wherein land could be reallocated toward the mutual benefit of park, campus, and city; so long as resulting parkland was net positive in terms of acreage. If this were to come to pass, a configuration as shown in Scenario B is most likely. A UMR/partnership building would be constructed at 2nd Avenue and 6th Street while new parkland would be opened up along the Zumbro River.
An anonymous, web-based survey of UMR students, faculty, and staff was conducted in February and March 2014 to: 1) better-understand the important issues, values, priorities as seen by the UMR community; and 2) to map how the UMR community currently interacts with the campus and the City of Rochester.

Over 23 percent of UMR’s 906 students, faculty, and staff responded to the survey, which was sufficient to produce statistically significant observations at a 6.1 percent margin of error. To encourage participation, prizes were raffled to student respondents only. An iPad Mini was given as a grand prize and six $10 iTunes gift cards were given as runner-up prizes.

Respondents were asked to map indicators of their behavior patterns: things such as their transportation routes, favorite study spots, preferred meeting venues, and so on. They were also asked to rank their preference for things like transportation mode, type and location of residence, campus qualities, and so on.

The results informed a set of alternative design concepts for the Education District that were presented back to the UMR community at an open forum in March 2014; and ultimately the final master plan as depicted in the preceding pages.
KEY LESSONS FROM MYUMR SURVEY

STUDENTS PREFERRED URBAN-STYLE HOUSING. FACULTY AND STAFF PREFERRED DETACHED SINGLE FAMILY HOUSING, BUT WITH PROCLIVITY TOWARD DOWNTOWN-ADJACENT HOUSING.

MOST STUDYING AND SOCIALIZING WAS HAPPENING IN UMR BUILDINGS, BUT A FEW “OFF-CAMPUS” LOCATIONS WITHIN THE BROADWAY/1ST AVE/3RD ST BLOCKS WERE POPULAR TOO.

THE INTERIOR DESIGN OF UMR BUILDINGS WAS THE MOST VALUED CAMPUS FEATURE.

RESPONDENTS PREFERRED WALKING OVER OTHER MODES, BUT SOME DESTINATIONS (E.G. AN AFFORDABLE GROCER) APPEAR UNREACHABLE ON FOOT.

SEVERAL DATA INDICATED A SENTIMENT THAT THE CITY OF ROCHESTER SHUTS DOWN TOO EARLY, BOTH IN TERMS OF NIGHTLIFE AND TRANSIT.
MyUMR Survey

Most valued campus qualities

All respondents
1 = most valued

Observation: interior design, not access to Mayo, is most valued campus quality
MyUMR Survey

Preferred housing type

- Apartment or condominium located downtown
- Detached house in a downtown-adjacent neighborhood
- Detached house in an outlying neighborhood
- Any housing type in Minneapolis

All respondents
1 = most preferred

Observation: strong desire for urban living

n = 986
response rate = 23%
MyUMR Survey
Dining and socializing preferences

Observation: strong inclination toward domestic life

MyUMR Survey
Mobility Preferences

Observation: strong desire to walk, and walkability can be improved
MyUMR Survey
Goods + Services

**Observation:**
Several outlying shopping plazas as popular as downtown retail

**Implication:**
Consider providing transportation access via car-sharing and/or form partnerships to bring more competitive retail downtown

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MyUMR Survey
Living

**Observation:**
47% of respondents live within walking distance (20-min walk)

69% of respondents live within cycling distance (3 miles)

**Implication:**
Strong potential to reduce dependency on cars for commuting
MyUMR Survey

Socializing

Observation:
318 commons and University Square are at the heart of social life, but the Broadway/1st Ave/3rd St blocks are also integral.

Implication:
Seems to be appetite for after hours urban amenities

MyUMR Survey

Primary Pedestrian Routes

Observation:
1st Avenue and the Skyways are the most trafficked routes. Others are important too, including: W Center St, 1st St SW, 2nd St SW, 4th St SE, and 7th St SW

Implication:
Consider partnering with the City of Rochester to improve walkability along key routes
MyUMR Survey
Primary Bicycle Routes

Observation:
27% of respondents indicated they actively cycle

1st Ave, W Center St, 2nd St SW, and 4th St SE are the most heavily-trafficked.

Implication:
Consider partnering with the City of Rochester to improve bicycle infrastructure along key routes.
**OPEN SPACE NETWORK**

**Analysis**

- The education district has the potential to act as a portal between downtown Rochester and Soldiers Memorial Field.
- The district’s pedestrian ways and open spaces will be shared between UMR campus users and the larger Rochester community.
- There are great opportunities to bring a park-like character into areas of the education district to help integrate the park and the city.

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>MASTER PLAN PHASE</th>
<th>ENVIRONMENTAL EXPLORATION</th>
<th>GEOTECHNICAL EXPLORATION</th>
<th>CURRENT MPCA STATUS</th>
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</thead>
<tbody>
<tr>
<td>617 S. Broadway (Rico Mex)</td>
<td>Phase 2</td>
<td>Phase I and II ESA</td>
<td></td>
<td>Enrolled in VIC; NAD letter on file</td>
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<tr>
<td>701 S. Broadway (China Dynasty)</td>
<td>Phase 2</td>
<td>Phase I and II ESA</td>
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<tr>
<td>601 First Ave. SW (KTTC)</td>
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<td>Phase I ESA</td>
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<tr>
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<td>Phase I ESA</td>
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<td>615 First Ave. SW (O’Connor)</td>
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</table>
Prior to developing alternative design concepts, an analysis of the site and its urban context was conducted. Physiography, open space, mobility, infrastructure, and property ownership among other themes were studied.

The analysis informed understanding of the development capacity of the site, strategies for managing stormwater during storm events (the site lies within a FEMA-designated 500-year flood zone), and the relationship the site has with downtown Rochester and Soldiers Memorial Field Park.

The outcomes of this analysis produced a body of intelligence that was combined with other areas of study to inform alternative design concepts for the Education District. As noted previously, these “alternatives” were presented to and critiqued by the UMR community in March. Ultimately, they evolved into the final master plan.

Environmental and geotechnical explorations completed to-date suggest that site conditions in the Education District present some challenges to development. The area was formerly used as a mill district and a landfill, and prior to development was crossed by meanders of the Zumbro River. As a result, subsurface conditions are variable, with deposits of organic material, silt, urban fill and other soils. Groundwater in some areas of the district is known to be approximately 20 feet below surface elevation. Early design phases should commission further exploration and analysis to determine the best approach for excavations, foundations and structural systems.
PUBLIC TRANSIT
Analysis Existing Conditions

- Rochester public transit is a “hub and spoke” bus system
- Limited transportation after 6 pm and on weekends
- Downtown Core and existing UMR facilities are well-served by existing bus network
- Education district may be served by future bus stops along 1st Avenue and South Broadway
- The 2010 Downtown Rochester Master Plan’s suggested moving to a “grid” vs “hub & spoke” bus network to provide multiple transfer opportunities and cross-town service
- Potential future transportation hub located close to UMR’s new campus

VEHICULAR CIRCULATION
Analysis Existing Conditions

- South Broadway has recently been converted from a state highway to a primary north-south City street. It has recently been improved with pedestrian crossings and signal. Future planned “Complete Streets” improvements include a median and curb bump-outs.
- 6th Street is a major east-west vehicular route to the education district, with a potential future extension to the east, across the Zumbro River.
- 1st Avenue is the “Main Street” of Rochester and a major pedestrian route from University Square to the education district. Recent improvements include wider sidewalks and more street trees. A bike lane will be added in the future.
- 6th Street and 1st Avenue will be major access streets for the education district.
PEDESTRIAN CIRCULATION

Analysis Existing Conditions

- Subways and skywalks are well used and provide shelter for pedestrians from the harsh winter climate and congested street crossings.
- Education district is a 5-minute walk from the skyway network and an 8-minute walk from University Square.
- Goal will be to reinforce pedestrian activity at street level as part of a vibrant urban campus experience.

BIKE ROUTES

Analysis Existing Conditions

- The existing Rochester bike and trail network provides connectivity within the city’s open space system.
- Several of these off-street pathways connect to the education district.
- Planned and future bike routes, on 2nd Avenue SW and 6th Street SW, have the potential to help future community campus users commute to the campus.