



# *Indiana State University Campus Master Plan*



**Indiana State  
University**

*More. From day one.*





INDIANA STATE UNIVERSITY

# Campus Master Plan

DECEMBER 18, 2009 / PREPARED BY RATIO



## MESSAGE FROM THE PRESIDENT

Our campus master plan will guide the physical growth and development of the Indiana State University campus for the next 15 to 20 years. Developed in conjunction with the university's new strategic plan, "The Pathway to Success," the master plan provides a blueprint for campus improvements in the near and mid-term and an overriding philosophy for the long term.

Guided by the tenets detailed in this publication, our plan will help advance the university's strategic goals by creating the infrastructure and environment needed to carry out Indiana State University's mission and ultimately achieve our vision. Primary components of the plan include:

- Meeting the functional needs of academic programs while ensuring that our non-residential facility square footage remains constant.
- Improving our student housing options.
- Serving as a partner and catalyst to the redevelopment of Terre Haute.
- Improving vehicular and pedestrian circulation systems and wayfinding.
- Supporting the redevelopment of the riverfront.
- Providing athletic facilities that are competitive with peers; and
- Responding to contemporary and practical sustainable design practices.

Many campus and community leaders have helped shape our plan. I would like to express my appreciation to everyone involved in developing our master plan during the past year, and I would like to especially thank RATIO Architects for leading the effort.

It is an exciting time to be at Indiana State University, and I am looking forward to working together with campus and community leaders to build a stronger university and community.

Sincerely,

Dr. Daniel J. Bradley  
President, Indiana State University

## **MASTER PLAN PREPARED FOR:**

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### **ACKNOWLEDGEMENTS**







# 1: THE CAMPUS MASTER PLANNING PROCESS



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## THE CAMPUS MASTER PLANNING PROCESS

### Master Planning Process Overview

The master planning process proceeded in an overlapping sequence of six phases focused on the intention to provide a general guideline for future improvements to the physical environment of the Indiana State University campus. The process included an initial assessment of the general campus condition, interviewing key stakeholders including faculty, staff, students and civic leaders, testing conceptual approaches, refinement of the concepts, focused study of a limited number of primary improvements and the compilation of the final plan.

### Scope of Master Plan

The scope of the master plan has been limited to improvements at the capital project level. Adaptation projects (an alteration of building space or systems to meet new program requirements) are typically noted but generally not addressed in a detailed manner. Maintenance and renovation and refurbishment level projects have not been included within the plan.

Sycamore Towers was reviewed relative to the feasibility of reducing the number of floors of the respective buildings in lieu of total demolition or renovation. The College of Nursing, Health and Human Services (CNHHS) facility (formerly known as HHP) was reviewed to confirm the ability to expand the north gymnasium for the inclusion of an NCAA certified 200 meter and/or 300 meter indoor track competition venue and the ability to fit the new CNHHS program on the site. Condition assessments were performed on the CNHHS Building, Normal Hall, the lower level (swimming pool) at Tirey Hall, Gillum Hall, and the Family and Consumer Sciences Building. No other buildings were reviewed in detail for rehabilitation feasibility or conditions assessment. Condition assessments will likely be made to additional buildings in the near future.

The geographic limits of the master plan are bounded by the railroad tracks on the north and east, Cherry Street (US 40, The National Road) on the south (except for limited areas immediately south of Cherry), and US 41 (3rd Street) on the west with the inclusion of the area between the Wabash River, Eagle Street, US 41 (3rd Street) and Sycamore Street. Additional exceptions include the off-campus University Apartments and the existing football and baseball stadiums.



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### Planning Horizon

The calendar horizon for the master planning effort is fifteen to twenty years. The proposed facility improvements noted on the master plan are thought to be possible to realize within this window. A number of facility improvements are desired that are likely beyond the window. A list of long term master planning issues has been prepared. The list identifies possible improvements beyond the calendar horizon. It should be noted these are not as completely considered in their content, cost implications or geographic location and impact.

### Relationship to Prior Facility Assessments

Kent & Company of Bloomington, Indiana prepared a Deferred Renewal Plan in 2007 for the Indiana State University academic, administrative, library and service facilities. It indicated a deferred renewal need in excess of \$101 million dollars. RATIO utilized this study for the purpose of determining the general condition of the University's facilities.

### Relationship to the Strategic Plan

Indiana State University hired Stratus, Heery International, Inc., a strategic planning consultant, to concurrently prepare a strategic plan to guide the development of the physical facilities master plan. RATIO has relied upon the Strategic Plan and dozens of key person interviews to identify the programs requiring additional facilities.

### Facility Utilization

The ISU leadership is monitoring the utilization rates of the various university facilities. The master plan has been developed based upon the institutional knowledge of these issues. It is recognized that ISU has been responding to the need to reduce the amount of gross building square footage on a per student basis as it compares to ISU's peer institutions. Given the importance of this issue, it would be beneficial to prepare a detailed study to more fully understand the context of the problem.

### Past Master Plans

Sasaki Associates prepared an ISU facilities master plan in 1986 with subsequent updates by the University staff in the interim. The physical environment of the institution has been notably improved since the 1986 master plan was published with many important and successful changes. This master plan seeks to build upon the successes of the prior plans.







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## 2: MASTER PLAN TENETS



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## MASTER PLAN TENETS

A number of tenets were discussed and refined during the master planning process. The following list survived the rigor of the process.

### **1. Satisfy the functional needs of the academic programs while ensuring the non-residential facility square footage remains at or below the 2009 level.**

The strategic plan “The Pathway to Success” has identified six strategic goals for the University including:

- increasing enrollment to 12,000, through enhanced recruiting and improvements in student retention
- increasing experiential learning opportunities
- increasing learning through community engagement
- leveraging academic programs of promise
- diversifying revenue through philanthropy and grants and contracts
- recruiting and retaining great faculty and staff

The academic facilities will need to be improved to ensure the strategic goals are supported.

### **2. Offer more market friendly student housing options while ensuring the bed count does not increase significantly.**

Today’s youth are demanding more and more space, privacy and amenities. Many of ISU’s student housing options are antiquated and in need of a major refurbishment.

### **3. Improve the existing vehicular and pedestrian circulation systems to realize a more logical and user friendly pattern, particularly for first-time visitors.**

The existing road network should be improved to facilitate a more intuitive circumnavigation of the campus. Of importance in this effort will be a review of all the one-way pairs for possible conversion to two-way traffic.

### **4. Maintain and improve the compact campus form building upon the valued pedestrian friendly aspect of the existing environs.**

ISU has evolved into a cohesive, moderately scaled, pedestrian-oriented campus where buildings and open space form a reasonably tight and pleasing weave of urban fabric. Future improvements should seek to limit the geographic growth of the academic, administration and housing land uses in favor of a pedestrian-oriented compact built form.

### **5. Improve the campus in a manner that supports the redevelopment of the riverfront in downtown Terre Haute.**

### **6. Provide a growth option for the campus that supports the provision of on-campus athletic facilities that are competitive with the ISU peer group in the Missouri Valley Conference.**

### **7. Improve the campus in a manner that supports the continued development of downtown Terre Haute with the intent of realizing a vital college town atmosphere.**

A successful and urbane mixed use central business district will enhance the perceptions of the ISU campus. The new uses should include additional housing, offices and retail.

### **8. Improve the campus in a manner that responds to contemporary and practical sustainable design practices.**

ISU embraces an increasingly sustainable existence. This may impact nearly every aspect of operations and may include intense scrutiny on energy consumption, but may also reflect the importance of water resources, fauna and flora, air quality and more. Projecting a progressive posture on these issues will enhance ISU.

As society becomes increasingly sensitive to sustainability, institutions of higher learning are expected to provide a leadership role to lead the general populace in these matters. It has become common for universities to expend effort to project an environmentally friendly image.

2-3





### **3: THE CAMPUS MASTER PLAN**

## THE CAMPUS MASTER PLAN

The master plan tenets drove much of the decision making during the development of the master plan. The tenets were developed to guide decision makers during the master planning effort as well as future project-specific planning efforts and day to day operations. An exciting vision is established for continuing the on-going improvement to the Indiana State University campus. The proposed improvements include:

- A renovated housing stock that offers a number of market friendly products.
- First year housing options that are focused on being holistic learning environments from which young adults can safely launch into more independent living options.
- New housing facilities that are intended to fully address the demands for more space, amenities and independence for the upper classmen.
- Upgraded academic facilities for the CNHHS.
- Upgraded academic facilities for the College of Arts and Sciences.





- Upgraded academic facilities for the Donald W. Scott College of Business.
- The opportunity to realize a new visitor friendly campus front door that seeks to feature the newly formed CNHHS.
- The opportunity to grow the University without losing the valued compact campus form and walkable environment.
- Opportunities for the athletics department to improve their competition, practice and training facilities as funding allows.
- Opportunities to support the City's and County's agendas for the redevelopment of the adjacent neighborhoods and riverfront, and the improvement of the central business district (CBD).

The combination of the new campus entry, new CNHHS facilities and a renovated Sycamore Towers Complex offers an uncommon opportunity to substantially embellish the ISU identity. The collective agendas, when fully realized, will offer exciting new and energized academic tracks, new economic development opportunities for Terre Haute and Vigo County and new market-driven student housing focused on a holistic learning environment...all within a progressive 21st century physical context that serves to nurture and support the pursuit of excellence in life.





**CAMPUS MASTER PLAN ILLUSTRATIVE**

-  Capital Projects
-  Existing ISU Buildings
-  Not University Owned
-  Open Space



## ACADEMIC FACILITIES

3-4

### 01 **Donald W. Scott College of Business**

The Donald W. Scott College of Business is slated to move into the former Federal Building. The College's administrators have expressed a need for more classroom space than afforded in the rehabilitated former federal building. It has been suggested that a new pedestrian bridge to the John T. Myers Center for Technology may improve the inter-disciplinary interaction. Further evaluations of the long-term programmatic needs may need to be made as the new facility moves closer to being realized.

### 02 **College of Nursing, Health and Human Services**

The newly formed College of Nursing, Health and Human Services has been identified as offering significant potential for growth and enhancing the profile of the University. As a result, a major upgrade of the CNHHS Facility is included in the Master Plan. This upgrade includes moving the nursing departments to the CNHHS Building.

A draft CNHHS facility program was developed by the CNHHS faculty and staff over the course of the preparation of the campus master plan. The program is complex and suggests there is a need for a full renovation of the existing building with a sizeable addition and an opportunity to build new satellite CNHHS facilities within the Rural Health Innovation Collaborative (RHIC) District. The final program will need to be evaluated and modified by a building program development specialist to ensure the space utilization is adequately considered.

A new simulation laboratory has also been discussed for the CNHHS. The lab, if realized, will house expensive teaching aid manikins capable of effectively simulating human response to surgical procedures. The simulations lab will be shared with the Indiana University School of Medicine and Ivy Tech.

Given the importance of the new campus front door, it is imperative the architecture of the renovated and expanded CNHHS be representative of the desired future of ISU. Nearly every prospective student and faculty and staff member will form their first in-person impression of ISU while

passing the proposed CNHHS facility. The design of this new facility will be one of the most important improvements established by this master plan.

### 03 **College of Arts and Sciences**

The proposed capital (and study) projects for the College of Arts and Sciences include:

- A new 3D art facility to replace the current Art Annex.
- A new 500 seat performance facility with a proscenium stage.
- A replacement facility for theater performances.
- A new 2D art facility to replace the current facility at Fairbanks Hall.
- A thorough, comprehensive study of all four adjacent art facilities (New Art Annex facility, the Fine Arts Building, the Center for Performing and Fine Arts, and the historically significant 1904 Fairbanks Hall (formerly the City of Terre Haute Public Library)) to improve on space utilization and creative collaborative partnerships within the department.
- A comprehensive renovation of the Science Building.

The renovation of the 1960-68 Science Building appears to be the highest priority project in the above list. The renovation of the CNHHS Building may necessitate the replacement of the Art Annex, but neither the Science Building nor Art Annex project is likely to occur in the near term.

### 04 **Bayh College of Education**

The Bayh College of Education moved into a newly rehabilitated home (University Hall) at the start of the 2009-2010 school year. The new facility reportedly satisfies the space needs for the College for the foreseeable future with the exception of a new home for the Early Childhood Development Center currently located off campus in the University Apartments complex. A new Center is delineated on the master plan in the area north of the new Bayh College of Education.

### 05 **College of Graduate and Professional Studies**

No capital scale projects have been identified for the College of Graduate and Professional Studies.



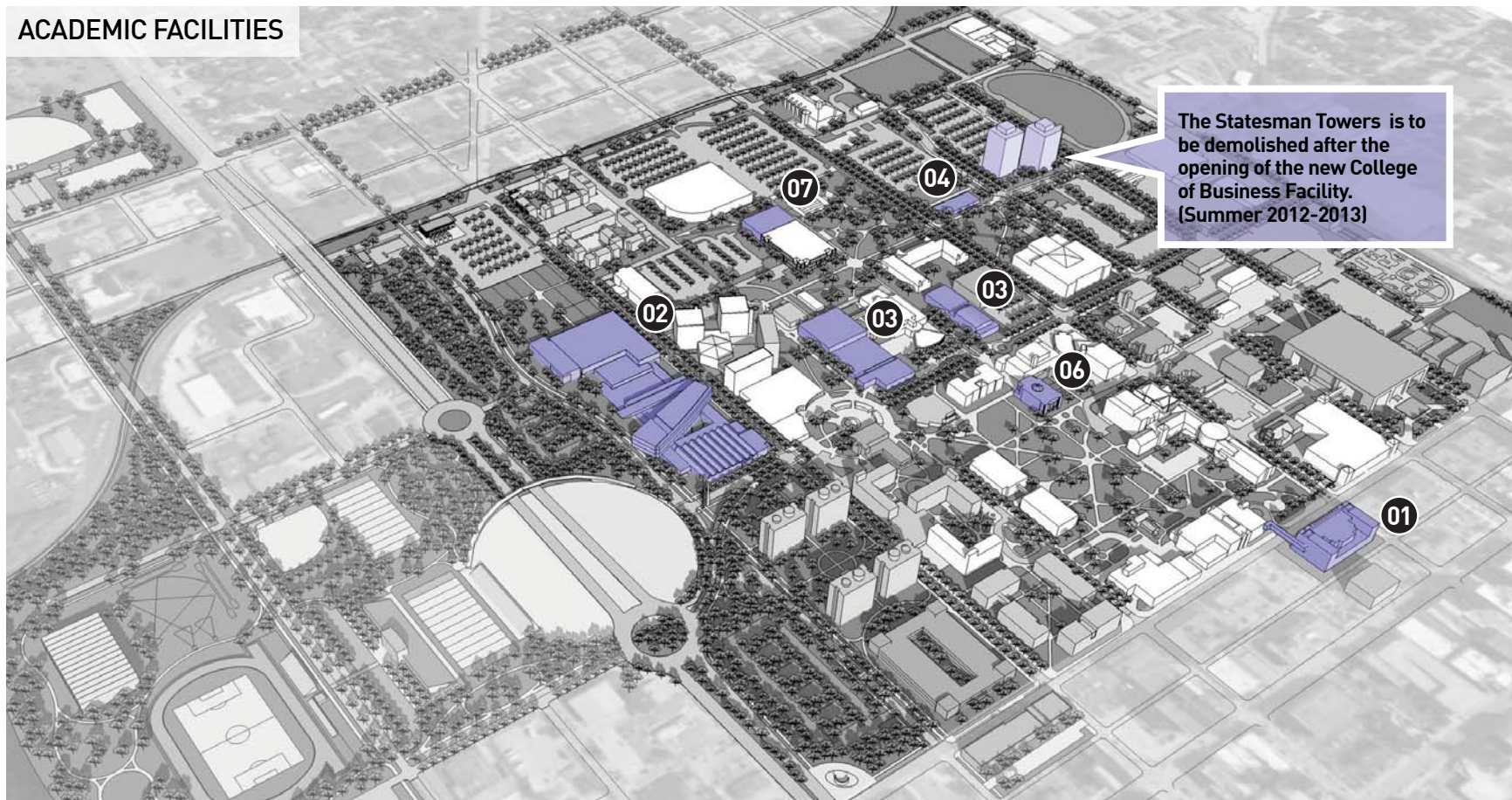
**06 Student Academic Success Center**

A new student academic success center is proposed to be located at Normal Hall. This facility will offer out-of-classroom support services with the intent of improving student retention and graduation rates. Normal Hall is the oldest remaining structure built for use by the University and is considered an architecturally significant resource. This location will allow the University to feature the facility to prospective students and their parents while conveniently serving the students most at risk of not graduating.

**07 Library Services and Information Technology Facilities**

A need has been identified for the expansion of the current library facility. This improvement may not occur within the planning horizon of this master planning process.

The need for existing Student Computing Center Building may likely be displaced in the near to mid-term as a result of the proliferation of laptop technology. As a result, there is a desire to locate a dramatically-down-sized facility in the library.

**ACADEMIC FACILITIES**

3-5

## RESIDENTIAL LIFE

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### **08 First Year Housing**

In the interest of offering more market-friendly options to prospective students, the master plan indicates the first-year housing will be focused on the Jones, Hines, Sandison and Erickson, Burford, Pickert Complexes. The recent renovation of Burford Hall to a two-bed unit with a private bath has been met with a large demand and is the model for the proposed renovations of Erickson and Pickert Halls. Hines and Jones Halls also offer two-bed units with private baths. The renovation of Sandison Hall was underway at the time of the development of the master plan and will offer two-bed units with a private bath configuration.

### **09 Lincoln Quad / Greek Housing**

Lincoln Quad is also in need of renovation. The complex, including the dining hall, is tired and suffers from out-dated systems. The master plan indicates this complex is to be renovated at which time the University leadership will evaluate the option of converting all of the two-bed/room units into one-bed/room units.

The greek community has indicated their preference to occupy a distinct greek village. However, the greek community has indicated there is not a broad financial capacity for such a product. Assuming the greek village concept is not affordable, the greek community has indicated a renovated Lincoln Quad would be their second choice. This will result in a reduction in density at Lincoln Quad and the concept will need to be tested with a feasibility study.

### **10 On-Campus Infill Housing**

A loss in bed count or desire for more beds will be addressed with new third-party apartment style housing units. The master plan delineates new mid-rise housing units in the area between 5th and 6th Streets, immediately north of US 40 (Cherry Street, National Road). It is important to note that any third-party housing will need to respond to the campus and adjacent urban context avoiding inappropriate architectural styles and building materials. Poorly executed product in this location will hurt the University's effort to strengthen the image of the campus and the Terre Haute central business district.

### **11 Off-Campus Housing**

Infill housing within the central business district (CBD) of Terre Haute is encouraged. Such housing would ideally offer distinct lifestyle options to the students, staff and faculty of ISU, while supporting the improvement of the CBD. Because specific locations were not delineated on the plan, locations should be evaluated as the intent to provide this product option matures.

### **12 Sycamore Towers**

Major upgrades are planned for Sycamore Towers, shifting the first year student population to more popular product types in other complexes. The density in Sycamore Towers will be reduced by changing the product from double rooms with shared showers and rest rooms to a suite configuration. With the change to suites and improved building systems, it is believed the Sycamore Towers facility will be more readily consumed by the marketplace of sophomore, junior and senior students. The lost beds will be replaced by new infill housing units, the renovation of Sandison and the conversion of Erickson Hall to housing.

More detailed building modification plans should be developed in the near future for the purpose of validating the concept and its costs. The master plan assumes all four towers will be renovated. This assumption will need to be re-visited as part of the more detailed study.

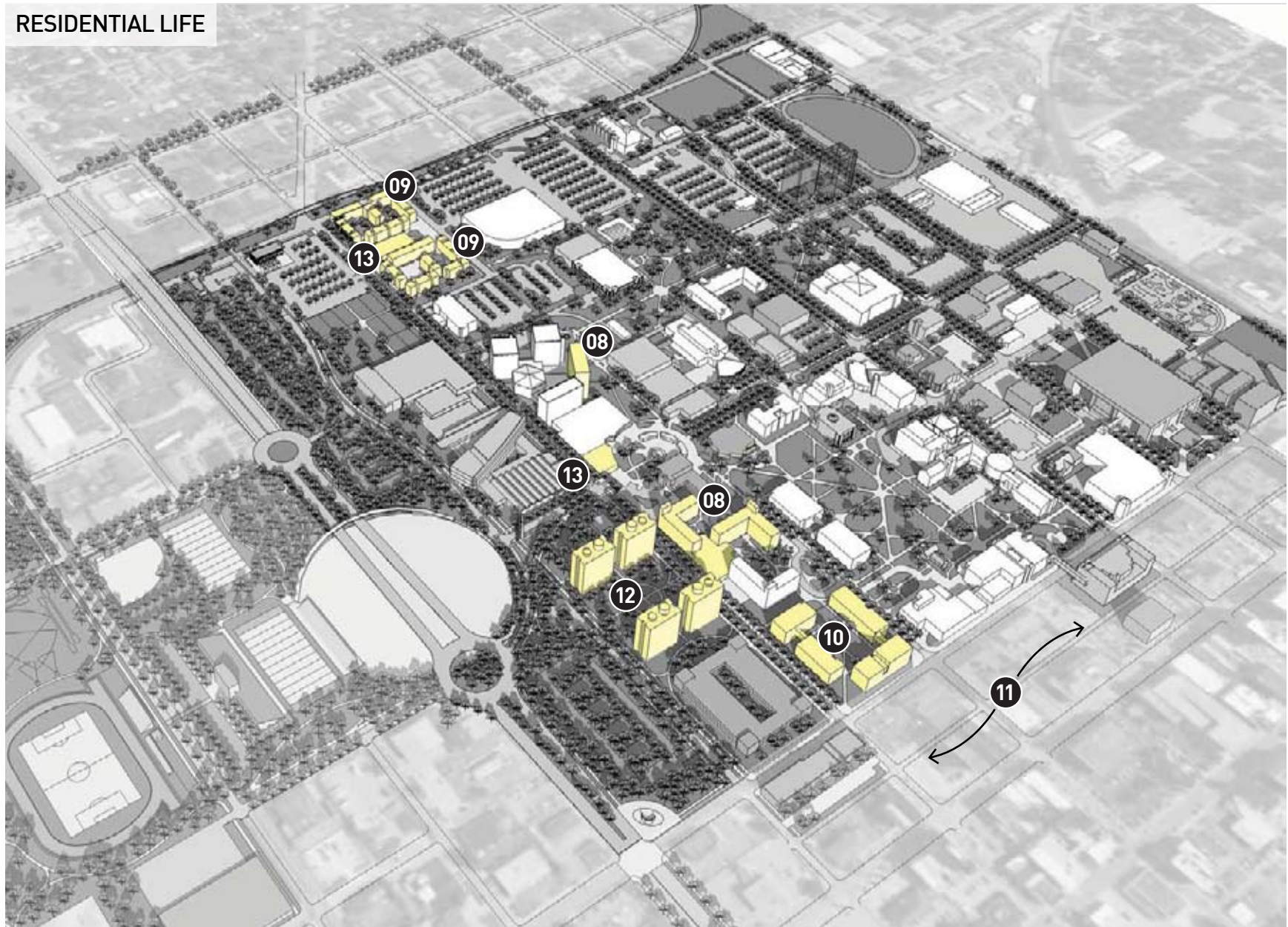
### **13 Dining Services**

Sodexo has indicated the existing dining hall at Sycamore Towers is an antiquated and oversized facility. Sodexo has expressed a strong interest in occupying the southwestern end of the Hulman Memorial Student Union (HMSU) now occupied by the bookstore. Should the space prove to be adequate for their needs, Sodexo believes the addition of a 500-seat dining banquet facility in this space will be a successful tool for ensuring the on-going financial viability of the food court area. For the purpose of this master planning exercise, it was assumed the dining hall would be moved to the HMSU and the existing dining hall at Sycamore Towers would be demolished. It is feasible to allow the dining services to remain at Sycamore Towers.

Sodexo has indicated the dining hall in Lincoln Quad is functioning very well, but could use a renovation to improve effectiveness and ability to more fully penetrate the marketplace.



**RESIDENTIAL LIFE**



3-7

3-8



Gillum Hall



The Master Plan assumes the current administration offices in the Rankin and Parson Hall complex will largely remain in place.



Normal Hall

## ADMINISTRATION FUNCTIONS

### 14 Administration Offices

The master plan assumes the current administration offices in the Rankin and Parson Hall complex will largely remain in place. However, the administration functions currently located in Erickson Hall are planned for relocation to facilitate the re-purposing of Erickson Hall for first-year housing.

The administration functions currently located at Erickson Hall are planned to be relocated to a number of facilities including, but not limited to, Normal Hall, Gillum Hall and the current Student Computing Complex.

### 15 Welcome Center

The master plan indicates the existing Welcome Center is to move to a more central location. One possibility is the current home of the Family and Consumer Sciences (FCS) Department. The FCS Building appears to be well suited to become the initial destination for many visitors including the very important prospective student and parents. The new campus entry will facilitate a direct and impressive vehicular route from US 41 (3rd Street) to the existing visitor parking lot immediately west of the FCS Building. Once out of the car, the visitors will walk through Dede Plaza and into the FCS Building. A suitable location for the FCS department must be identified.

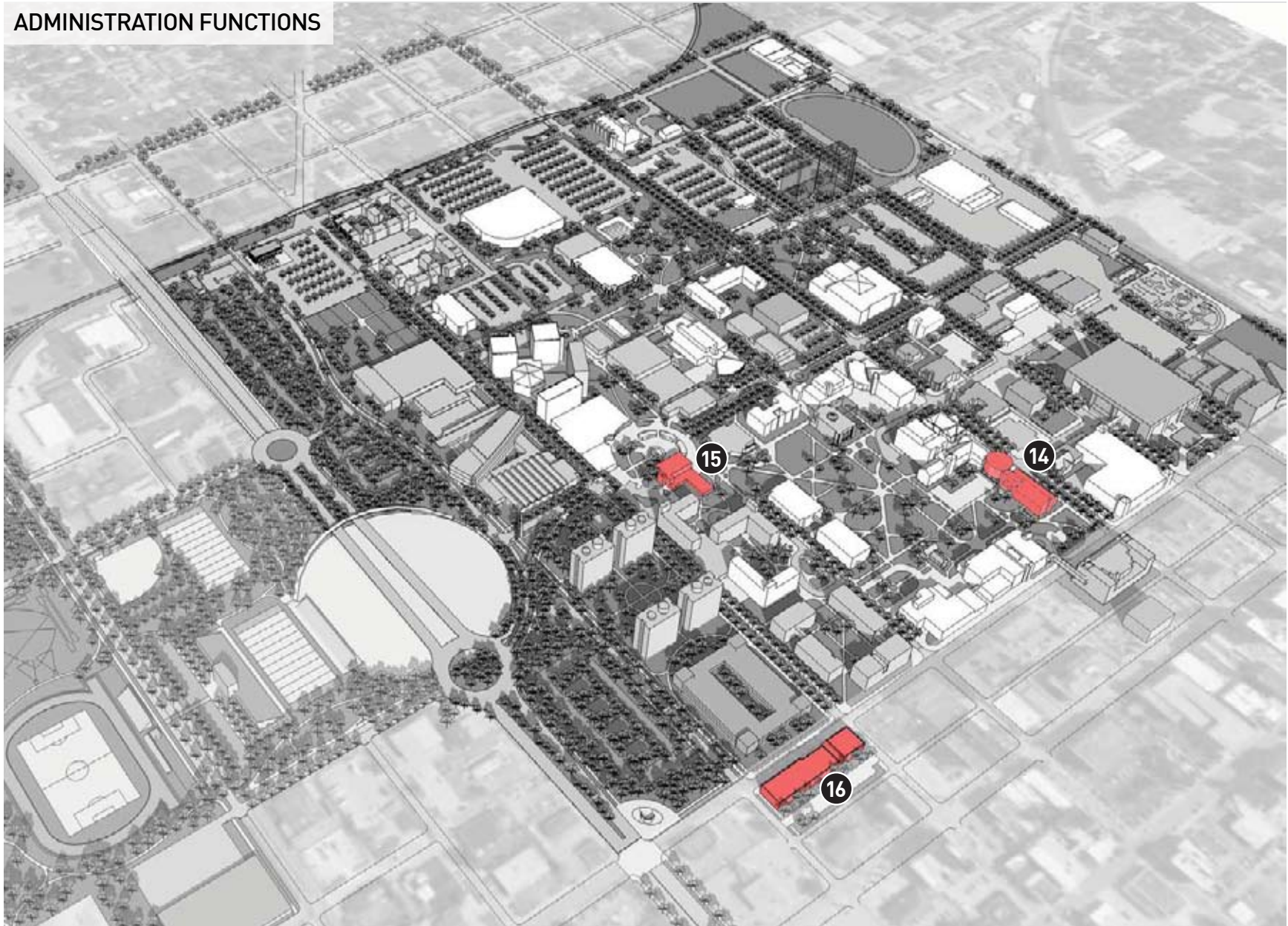
The FCS Building will need some work to bring the mechanical and electrical systems and ADA accommodations to an appropriate level. However, once updated, the building should lay out fairly well, offering good functionality and a strong orientation to Dede Plaza. The existing outdoor space south and west of the FCS Building should also be readily usable for outdoor meeting and gathering spaces.

### 16 The New Foundation Offices

The master plan assumes the existing Foundation Offices be relocated from the current location in Gillum Hall to the new facility at 5th Street and US 40 (Cherry Street, National Road).



**ADMINISTRATION FUNCTIONS**



3-9

## ATHLETICS

The condition of the ISU athletic facilities is such the University has little choice but to begin planning for a number of new facilities and major renovations. Many of the existing competition facilities are ranked at or near the bottom of the Missouri Valley Conference.

The under-utilized land west of US 41 (3rd Street) has been identified as the appropriate location for the development of new athletic competition and training facilities. This important decision rests on the relative proximity to the existing training facilities at the CNHHS building, the availability of large contiguous tracts of land, the relative ease for providing building services, and the tenet to support the City's efforts to revitalize the riverfront.

### 17 Basketball

ISU athletics enjoys a great deal of affinity for the basketball program. The historic strength of the program offers a sound foundation upon which to continue to build success and profile. The Hulman Center will need a major renovation within the planning horizon of this master plan. The renovations will include all of the building systems, replacement of the failing skin and the desired inclusion of a modest number of suites.

### 18 Track and Field

ISU has historically enjoyed a great deal of success with the track and field teams. The current outdoor track surface and facility is in need of repair and is sited in a location that dramatically constrains the provision of amenities for the fans. These issues, in combination with the planned campus entry improvements led, to a proposed new track and field facility on property west of US 41 (3rd Street).

### 19 Indoor Track

The existing indoor track facility is not suitable for an NCAA sanctioned event. Therefore, the master plan indicates the existing building is to be expanded as required to realize a quality division one competition and training facility. Ideally, such an expansion will occur in a manner that does not require 4th Street to be re-routed.

### 20 Soccer

The master plan suggests a new soccer competition field be built in the center of the proposed track stadium. The Home Depot Center in Los Angeles has been cited as an example of how a good competition soccer field can be built inside a superior track stadium. Sharing the stadium facilities will bring large initial and operational cost savings to the University, and allow for the realization of a high quality soccer facility that otherwise may not be achievable.

### 21 Softball

A new competition and practice softball field is depicted on the master plan. The existing fields are constrained in size and are likely to be negatively impacted by changes to the 4th Street right of way. Therefore, the master plan suggests a new field be built west of US 41 (3rd Street).

### 22 Baseball

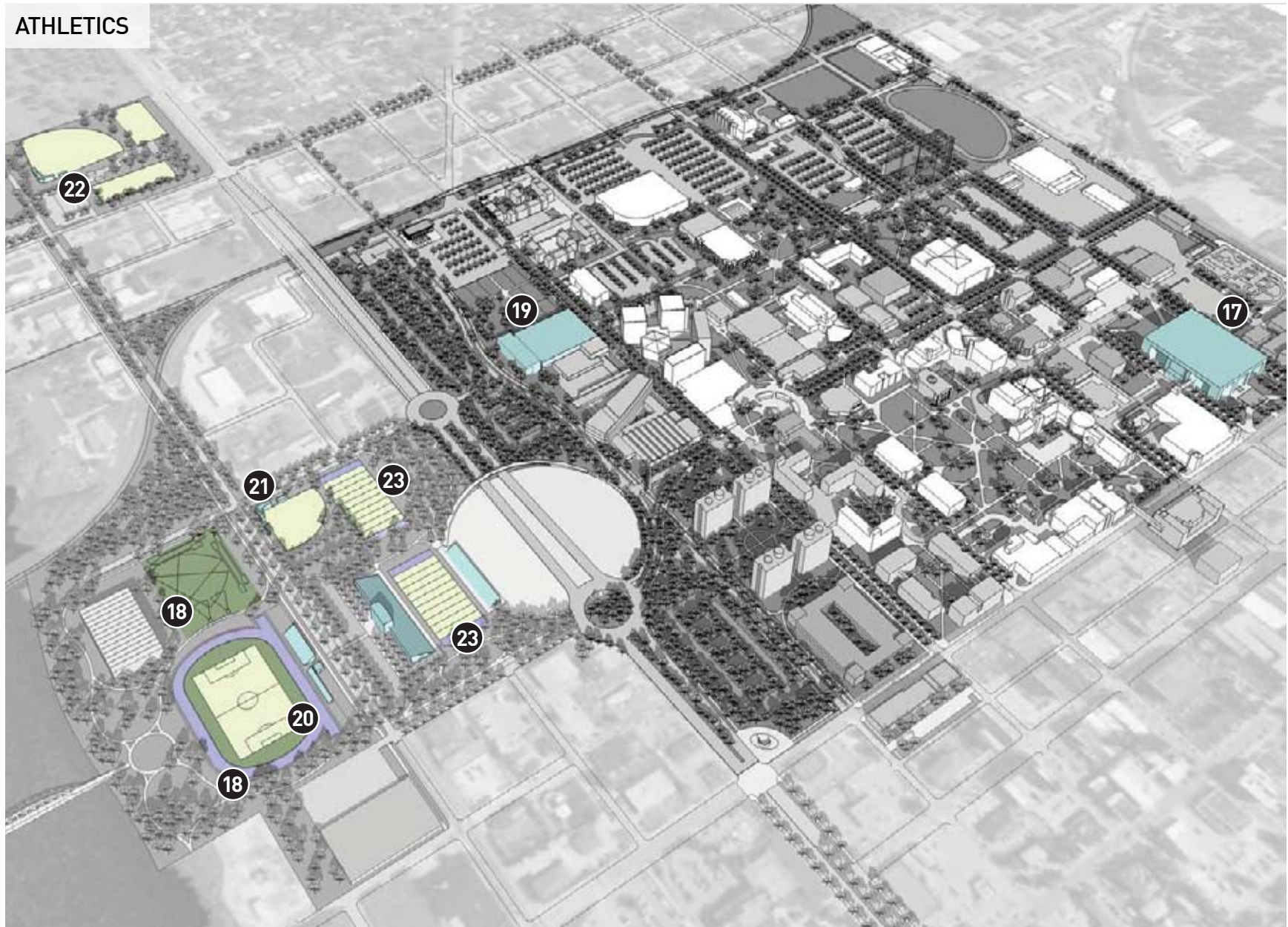
Sycamore Field was in the process of being improved at the time of this master plan's development. As such, no further improvements are planned for the facility. Improved pedestrian connections to Sycamore Field are indicated elsewhere in this document.

### 23 Football

Memorial Stadium is in need of a major upgrade and is remote from campus. A new stadium is depicted in a prominent location west of US 41 (3rd Street). It should be noted this facility may be phased in over a number of years. The proposed location is suitable for the building of a facility that can begin to improve the program and offer an important culture-building opportunity for students, staff, faculty and alumni.



**ATHLETICS**



3-11

## WAYFINDING

**“Improve the existing vehicular and pedestrian circulation systems to realize a more logical and user friendly pattern, particularly for first time visitors.”**

3-12

The ability for visitors to travel to and around the ISU campus was a focus of the master planning process as illustrated by the inclusion of the above tenet. The leadership of ISU is interested in ensuring the visitors and residents of the University are able to circumnavigate the campus in an intuitive and comfortable manner. Of particular importance is the quality of the experience for the first-time visitors who are being recruited to the institution.

Realizing success with wayfinding requires change in the vehicular and pedestrian circulation systems as well as the manner in which information is made available to residents and visitors. Visitors may need clear directions and a modest amount of well-considered signs at the important vehicular approach routes.

US 41(3rd Street) plays an important part in the arrival sequence to the community and campus. It is important the University maintain a leadership role with the City of Terre Haute and Vigo County to ensure the community maintains an awareness of the importance of this issue. Improving the corridor is a long-term and challenging process, but necessary.

Once in the vicinity of the campus, it is important visitors are able to relate the map information to recognizable landmarks in the landscape, effectively finding their way to their destination. In many cases, the destination will be the proposed Welcome Center., in some cases, the initial destination may be the administration offices. Wherever the destination, it is important the visitors are able to quickly form a cognitive map of the campus.

Once the visitor has located a suitable parking space and left their car, the process of orienting the pedestrian will require yet another layer of detail. Pedestrian scaled paths, open spaces and architectural landmarks supplemented by a well-considered sign system will form the framework of this wayfinding system.

## VEHICULAR CIRCULATION

The master plan delineates significant changes to the campus and adjacent road system. The largest change is proposed for the US 41 Corridor, a state owned right of way with important circulation changes for Cherry, Eagle, Sycamore, 1st, 4th, 5th, 8th and 9th Streets.

### **24 US 41 (3rd Street) Corridor**

The character of the US 41 Corridor should be addressed with a continuation of the proactive posture with the City and County. The portion of the Corridor immediately west of the ISU campus should be addressed in an aggressive manner intended to realize a campus edge and primary entry that is capable of forming a positive cognitive map within the minds of ISU visitors. The large, pure, circle-formed green space, supported by enhanced medians and round-a-bouts in the US 41(3rd Street) Corridor, is a very strong answer that clearly delineates the ISU campus entry while allowing the University to send a powerful message about quality-of-life issues.

### **25 4th and 5th Street Corridors**

The balance of the road system has been evaluated for potential improvements. 4th, 5th, 8th and 9th are proposed to be studied for a change to two-way traffic. The clear priority will be the combination of 4th and 5th Streets. The University should consider removing the on-street parking from both 4th St and 5th Streets while adding traffic calming features and amenities.

### **26 Cherry Street Corridor**

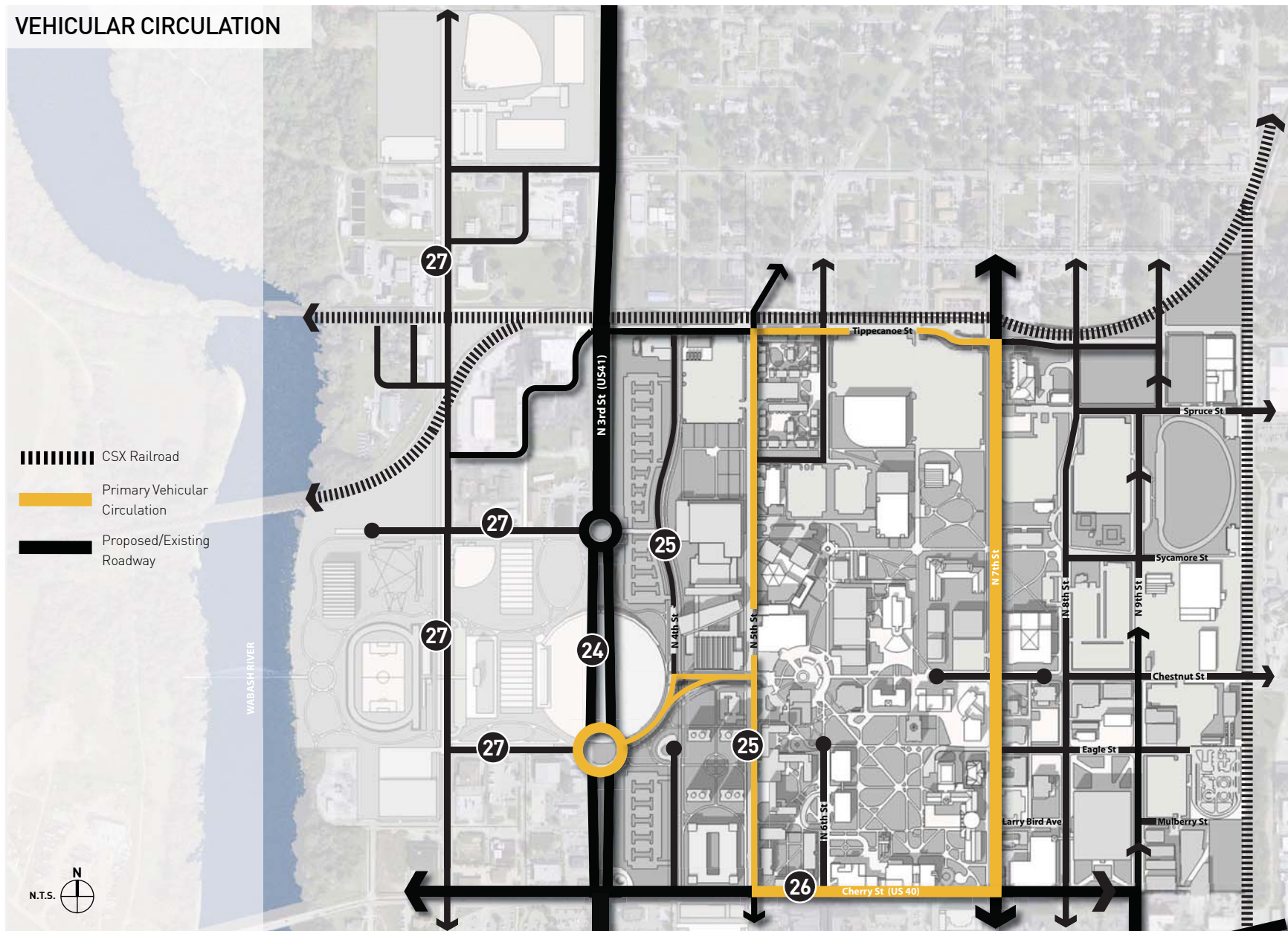
Cherry Street is proposed to be converted to two-way traffic also. However, Cherry Street is a state-owned right of way and will be a more complex endeavor as a result. The time frame for this change is most likely measured in years. It should be noted the City and State are involved in early conversations about the transfer of the right of way to City control. Should this happen, the two-way transition will be more achievable.

### **27 West of US 41(3rd Street)**

Several streets west of US 41 will be upgraded to ensure a suitable character. Eagle, Sycamore and 1st Streets will be improved to serve the area. The improvements will consider on-street parking. The 1st Street corridor will be improved to facilitate pedestrian and alternative transportation connections to the baseball facility.



## VEHICULAR CIRCULATION



## PARKING

Campus-wide, ISU has a sufficient quantity of parking spaces. However, students and staff have been requesting more parking spaces on the west side of campus. The desire is to have more spaces that are more proximate to the destinations. The inclusion of the proposed infill housing and athletics administration and strength and conditioning training facility will further exacerbate this issue.

### 28 Parking Garage

The master plan delineates a new parking garage to be located between 4th and 5th Streets immediately north of US 40 (Cherry Street, National Road). The City of Terre Haute and the downtown advocacy group have expressed an interest in a garage in this general location. It is reasonable to believe the facility may benefit from a modest level of public use if so designed. It appears the garage will need to contain 400 to 500 spaces to satisfy the needs of ISU. Additional reviews of parking space demands are warranted prior to moving forward with detailed design.

The parking garage is sited in a prominent location. A new garage in this location will need to respond to important campus and urban design issues including:

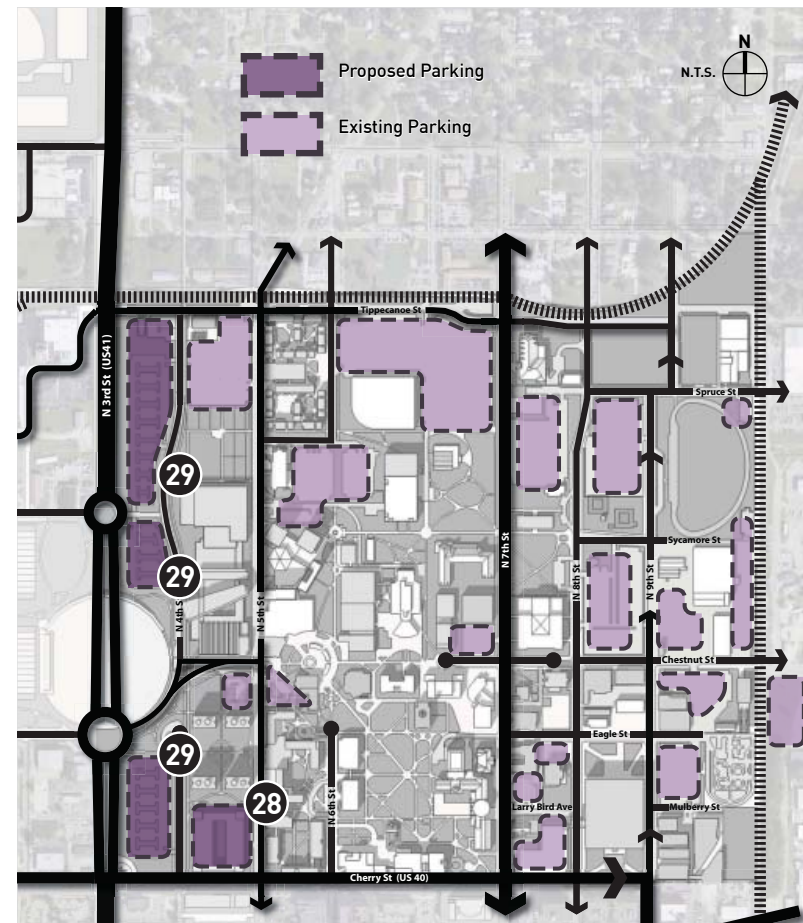
- A street level academic, office or retail use along US 40 (Cherry Street, National Road)
- Utilization of appropriate façade materials
- An appropriately scaled facility that does not overwhelm the surrounding architecture
- The preservation of many of the quality trees in the block
- Locating the sloped ramps within the inner bays of the garage
- Thoughtfully placed vertical circulation options to facilitate use by the visitors to downtown as well as ISU

### 29 Surface Parking – West of 7th Street

A number of surface parking lots will occupy the land west of 7th Street. The master plan depicts parking lots that are heavily vegetated and pulled back away from the street and sidewalk edges. Some of the lots are existing and will need to be renovated, others are new.

### 30 Surface Parking – East of 7th Street

The parking lots on the east side of campus are much less heavily used than those in the center or west side of campus. Therefore, the master plan does not depict any new parking facilities east of 5th Street. However, the existing surface parking lots should be enhanced with new vegetation where possible. When feasible, the rain water drainage from the existing lots should be upgraded to include more natural systems applications such as raingardens and infiltration basins.

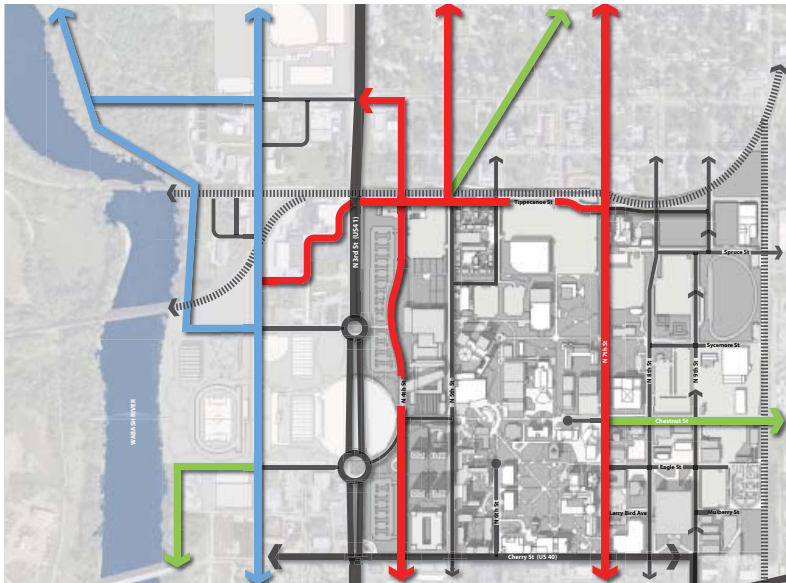




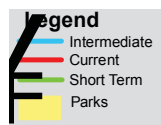
## ALTERNATIVE TRANSPORTATION

Societal trends suggest alternative transportation facilities will become more and more important as time passes. ISU intends to implement further improvements on the campus and will advocate for the community's efforts to implement bike facilities in 1st Street and in the areas of the riverfront improvements. Specifically, the University leadership is interested in:

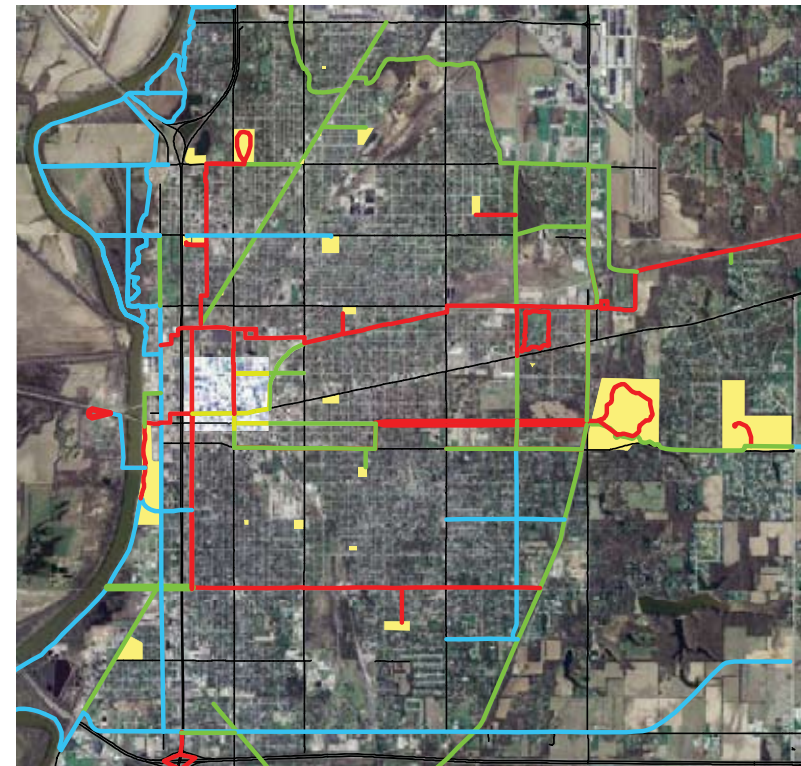
- A pedestrian and bicycle friendly route to the proposed Wabashiki Wetland Area west of the Wabash River,
- An improved alternative transportation route to the University Apartments. The abandonment of the rail facilities in the 1st Street right of way will allow the City to develop a high quality complete street with facilities for alternative modes of travel.



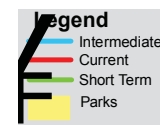
City's alternative transportation plan overlay on the ISU campus master plan.



DEC. 18, 2009



Alternative transportation plan - City of Terre Haute.



INDIANA STATE UNIVERSITY CAMPUS MASTER PLAN

3-16



### 31 WAYFINDING SIGNS

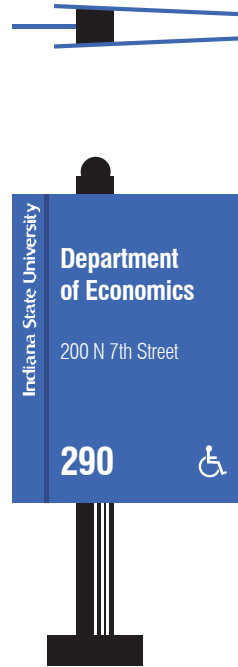
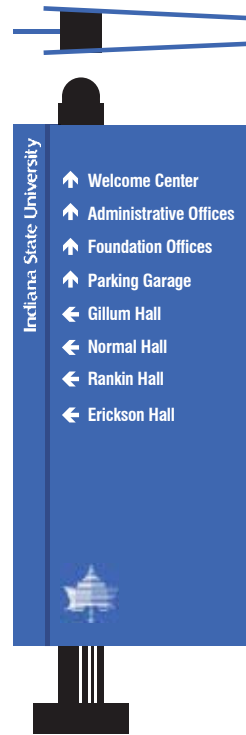
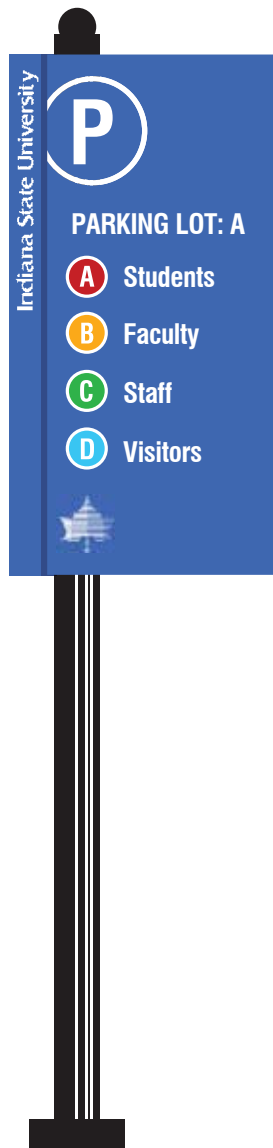
Guiding or directing visitors, students and faculty alike is not only a safety issue, it can also provide a certain level of comfort for those traveling to or within the ISU campus. A system of informational and directional signage is often referred to as “wayfinding” signage. This section outlines some general recommendations to guide the development of a cohesive wayfinding system. Issues related to quality sign design include:

- Provide a minimum amount of information on each sign,
- Present such information in a logical manner,
- Use easy-to-read lettering or graphic elements.

The placement of signage should be coordinated to ensure there are not safety concerns due to blocked sight lines for both motorists and pedestrians. The view of the sign(s) should not be obstructed by other elements as well. Signage should be located ahead of where turns need to be made, and the overall system must be cohesive. It is important to consider designing a wayfinding system as part of, or complementary to other streetscape elements on campus.

Proposed Wayfinding Signage







3-18



## GENERAL CAMPUS IMPROVEMENTS

### Proposed Landscape Character

As society becomes increasingly sensitive to sustainability, institutions of higher learning are expected to provide a leadership role to lead the general populace in these matters. It has become common for universities to expend effort to project an environmentally friendly image. ISU has already started this process as evidenced by the recycling center amongst other successes.

Extending this momentum to a discussion about the landscape leads to conversations about the naturalized landscapes that require less embodied energy and are more completely capable of supporting native fauna. Developing a more sustainable landscape is one of the most visible ways to impact an institution's image. This master plan seeks to start a few important changes:

- **A reduction in the use of cultivated lawns.** The intent would be to lean toward limiting the use of cultivated lawns to areas where people will use a lawn (frisbee throwing, etc.)
- **With the reduction of cultivated lawns comes the opportunity to substitute plant materials that are more capable of thriving without irrigation.**
- **Greater reliance upon native plant materials.** Native fauna has evolved with a reliance upon a native plant food source. Displacing native plants with exotic species reduces the stability of the native fauna and is considered a contributor to the reduction in biodiversity.

### 32 7th Street Median

The 7th Street corridor has recently been enhanced with center medians providing traffic calming for pedestrian safety. The continuation of this improvement is encouraged.

### 33 Campus Gateways at North and East Edges

A new campus gateway has recently been constructed at the 7th and US 40 (Cherry Streets, National Road). New gateways are desired for the north, east and west campus edges. The west gateway will be located in the vicinity of Chestnut Street and US 41 (3rd Street) (refer to the "Wayfinding" section). Chestnut Street is the likely location for the east gateway while it is possible to also consider Spruce Street. The north gateway could be located at intersection of 5th, 6th, or 7th with Tippecanoe Streets. The location for the east and north gateways should be studied further prior to beginning design work.

**Dede Plaza****Rankin Hall Plaza****34 Renovation of Dede Plaza**

Dede Plaza has been a success in many ways. However, the twenty years of age have led to conversations about the need to freshen the look. Certainly, as greater and greater importance is brought to this place with the inclusion of the new campus entry and welcome center, ISU should consider some modifications to make the look more contemporary and improve the performance of the plant material.

**35 Lighting**

ISU has recently selected new campus lighting standards that will be used throughout campus. The standards should be evaluated as it relates to sustainable design issues such as dark sky and migratory bird impacts and the evolving LED lamp technology. The LED lamps offer large energy savings and the public is more aware of the impact of unrestrained light.

3-19

**36 Rankin Hall Plaza Renovation**

The plaza west of Rankin Hall is in need of major renovation. The plaza serves as a roof over the campus computing center and the roof is a permanent leak threat with potential for significant water intrusion.

**37 Entry Marker**

The master plan depicts an entry marker at the intersection of Chestnut and 4th Streets. An entry marker at this location will aid in wayfinding for visitors as well as add to the collegiate character.

**38 Satellite Chilled Water Plant**

ISU has designed a proposed satellite chilled water plant to be located at the intersection of 4th and Tippecanoe Streets. The plant will have a 2500-ton capacity with an opportunity to be expanded an additional 2500 tons.

**39 Railroad Grade Separation**

A number of community leaders have expressed an interest in building a grade-separated crossing of the CSX railroad tracks at 7th Street. This will be an expensive undertaking and will likely have a large impact on the character of the area. This project should be scrutinized for cost and visual impact as the conversations move closer to becoming a real project.

**40 Conference Center**

The University and community desire to build a small conference center south of Hulman Center. The location is supported by the presence of the adjacent existing hotels and parking structure. The viability of this effort will be closely tied to further architectural studies of the Hulman Center and how the two facilities will function together.







## 4: SYNERGISTIC ACTIVITIES



4-2



The Rural Health Innovation Collaborative will be anchored by the Union Hospital campus to the north and the Indiana State University campus to the south.



The Wabashiki Fish and Wildlife (Wetlands)

## SYNERGISTIC ACTIVITIES

A number of important community planning efforts were underway at the same time as the development of the ISU master plan and have been referenced within the body of the master plan document. A brief description of those efforts has been included.

### **Rural Health Innovations Collaborative (RHIC)**

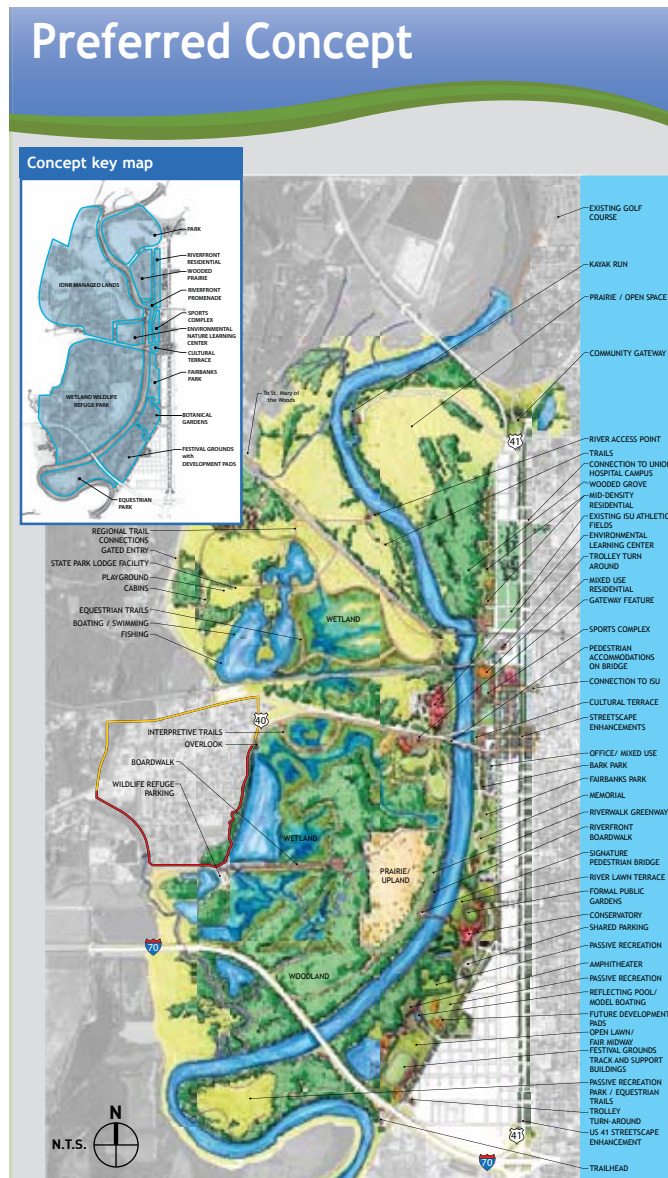
Union Hospital and its Richard G. Lugar Center for Rural Health, Indiana University School of Medicine - Terre Haute, Indiana State University and Ivy Tech Community College Wabash Valley each have successful programs to recruit students into health care focused careers and particularly to prepare them for service in rural areas. Building on this nationally-recognized record of success, the Founding Partners are jointly developing a Rural Health Innovation Collaborative in Terre Haute, to respond to the current and worsening health care worker shortages. In addition to addressing workforce needs, the development of the Collaborative will result in neighborhood revitalization and economic development, including physical infrastructure build-out, business expansion and attraction, and the increase of rural health care services, training and research.

The Collaborative will be anchored by the Union Hospital campus to the north and the Indiana State University campus to the south. This largely distressed area will become the site of an unique and expanding constellation of mixed-use commercial and residential property, as well as multidisciplinary, rural-focused training and research sites. As such, the Collaborative and the focused redevelopment will make critical contributions to the health and economic vitality of the local community, the region, and the state.

### **riverSCAPE**

The City of Terre Haute and County of Vigo have been engaged in riverfront redevelopment planning activities. The intent is to create mixed use/park areas on the east bank of the Wabash. The efforts include large tracts of underutilized land and will require decades to realize. The proposed improvements include the area west of the ISU campus.





riverSCAPE Plan Graphic - HNTB

**Wabashiki Fish and Wildlife Area (Wetland)**

A wetland reserve is being planned for large areas of the Wabash River flood plain including areas immediately west of the ISU campus. This will provide high-quality natural areas for ISU students, faculty and staff to enjoy and utilize for teaching purposes.

**Terre Haute Central Business District Planning**

The City of Terre Haute has been working with Downtown Terre Haute, Inc. in an effort to realize a more vital central business district. The groups are interested in preserving the historic fabric, while employing good urban design practices to achieve a more active and pedestrian friendly core.

**US 41 (Third Street) Planning**

The City of Terre Haute has been engaged in conversations to build a US 41 (3rd Street) bypass around the east side of Terre Haute. When realized, the bypass should relieve the corridor of a part of the burdensome truck traffic and a portion of the automobile traffic. This should enable the State or City to make significant improvements in the 3rd Street corridor as there may be excess capacity at that point.

**Alternative Transportation**

A number of public agencies within Vigo County have been involved with the planning and construction of an alternative transportation system. Included within the system is the:

- National Road Heritage Trail
- riverSCAPE
- Future bike lanes to the Wabashiki Fish and Wildlife Area (Wetland)

**Rail Line Relocation & Improvement Project**

Several civic and government organizations in Terre Haute have been engaged in railroad (CSX) relocation conversations for the past several years. The discussions have not progressed to a point where it is clear there is a practical solution for the hoped for relocation of the rail line. The CSX lines in question are heavily trafficked by freight trains.







## **5: ANALYSES - EXISTING CONDITIONS**



5-2



Aerial of ISU Campus - 1937



## ISU: PAST & PRESENT

### History of Indiana State University

Indiana State University was established by the Indiana General Assembly on December 20, 1865 as the Indiana State Normal School in Terre Haute. Normal schools were formed to train teachers and establish the standardized educational “norms”. The school awarded its first baccalaureate degrees in 1908 and master’s degrees were first granted in 1928. In 1929, the Indiana State Normal School was renamed the Indiana State Teachers College. In 1961, the Institution became Indiana State Teachers College, and four years later was renamed by the State Assembly to “Indiana State University” in recognition of increased enrollment.

### Present Day Indiana State University

Indiana State University continues to serve the people of Indiana, the United States and international community as a multi-functional and comprehensive institution of higher education. The University is organized into six academic departments: College of Arts and Sciences, Donald W. Scott College of Business, Bayh College of Education, College of Nursing, Health and Human Services, College of Technology and College of Graduate and Professional Studies. Through these colleges, students are offered courses of study in approximately 150 undergraduate majors and programs

Enrollment numbers have varied over the years, peaking at 13,533 in 1970. Enrollment for the fall 2009 semester saw a modest increase to 10,534. Eighty percent of the students attending in the 2009-2010 school year are in-state students. ISU enjoys a level of diversity that exceeds many of its peer schools. Approximately 18 percent declared themselves as minority students. It is important to note the primary geographic market area for the students attending ISU. The west central portion of Indiana is the dominant home locale for ISU. Clearly ISU draws from well beyond this region but, the University’s potential for meaningful shifts in enrollment numbers will be influenced by demographic dynamics in this region.

The University’s 50+ academic, administrative and service facilities total over 4 million gross square feet of space. Residential Life offers more than 3000 beds in seven facilities. The renovation of Sandison Hall will bring the number of on campus facilities to eight and beds to 3312. Additionally, married student housing is provided off campus in a 382 unit complex offering one to three bedroom configurations.

During the preparation of the master plan, construction was completed on the rehabilitation of the former University School building for the purpose of housing the Bayh College of Education. The vacant United States Federal Building is slated to be rehabilitated for the purpose of housing the Donald W. Scott College of Business. As a result, the Statesman Tower complex will be scheduled for demolition.

5-3



Normal Hall - built as a library



Fairbanks Hall

DEC. 18, 2009

5-4



The functional core of the ISU campus is the historic quad. The Quad is bounded by academic and administration uses.



The proposed School of Business resides within the central business district on the south limits of the academic core.

## FUNCTIONAL DIAGRAM - EXISTING CONDITIONS

The functional core of the ISU campus is the historic quad. The Quad is bounded by academic and administration uses. To the north of the quad is the balance of the academic facilities. The only academic buildings currently residing outside of the area bounded by Sycamore Pedestrian Way and 6th, 7th and US 40 (Cherry Streets, National Road) are the College of Nursing, Health and Human Services, the Art Annex, the new Bayh College of Education and the existing (and proposed) Donald W. Scott College of Business. The exceptions all reside in close proximity with the CNHHS facility being the most distant at one block away.

The student housing is concentrated on the western edge of the current campus primarily clustered along the 5th Street Corridor. The University Apartments are the sole exception, and are located 0.75 miles south on US 41 (3rd Street).

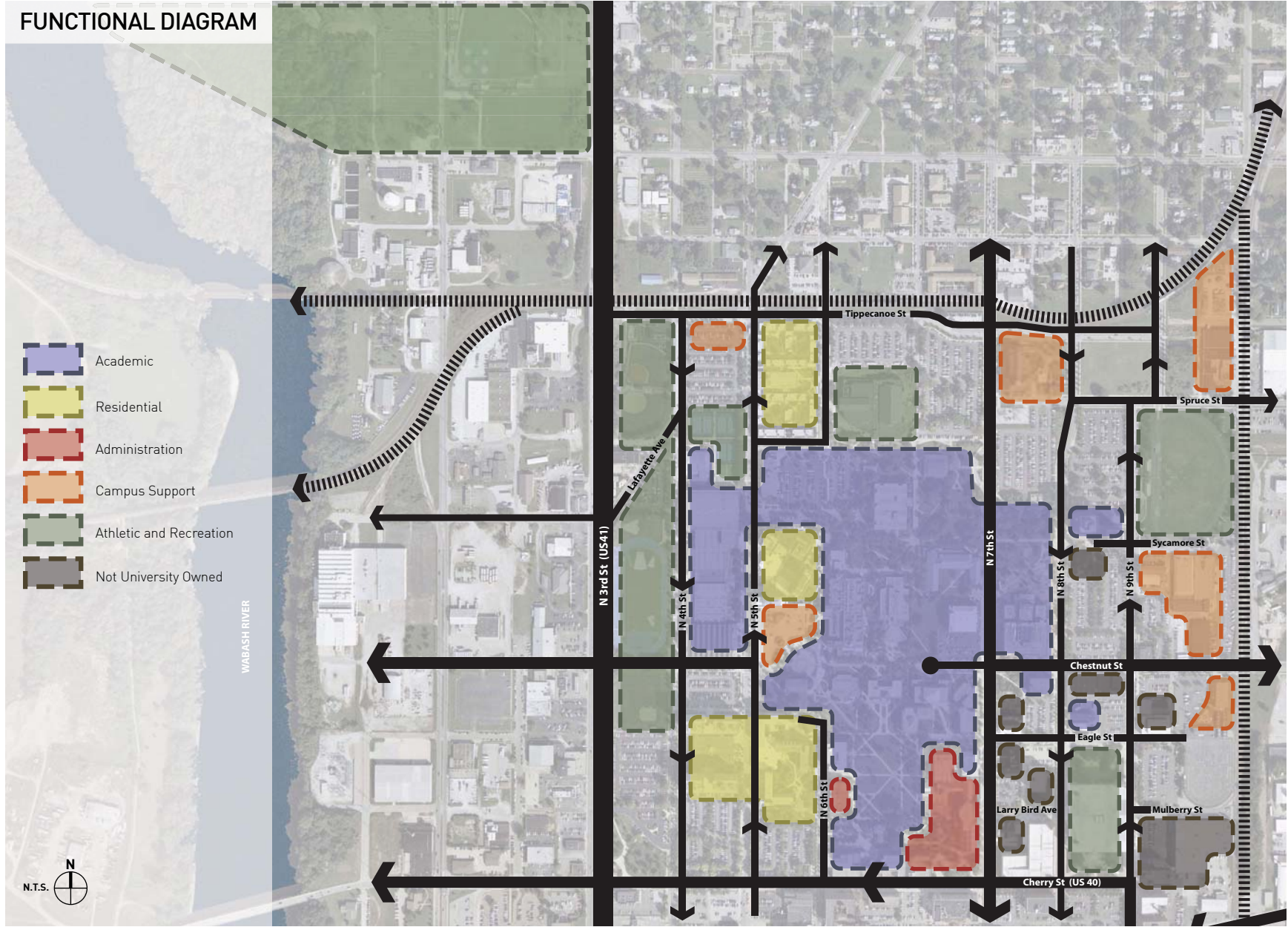
The Student Union is located at the nexus of the student housing and academic activities. The Union and Dede Plaza serve as a central gathering place during the day and, to a lesser degree, in the evening.

The athletic facilities are the most dispersed campus improvements. With the football/soccer complex 2.5 miles to the east of campus and the baseball fields north of the tracks and west of 3rd Street, the athletic facilities are functionally remote effectively diminishing their positive impact on the campus culture.

Administration offices are generally clustered around the historic quadrangle. The Parsons Hall, Rankin Hall, Tirey Hall complex contains many of the offices. Erickson Hall also contains a large number of administrative personnel including the Welcome Center. Gillum Hall houses administration groups with the Foundation scheduled for relocation to the Terre Haute central business district.

The facilities management functions are primarily located on the eastern edge of campus, immediately west of the railroad tracks. This location works well as it offers a functional buffer to the tracks and ready access to the campus.







5-6



The remote location of Memorial Stadium diminishes the positive impact the football program could have on the culture of ISU.



The location of University Apartments makes the pedestrian and bicyclist commute challenging due to traffic utilizing US 41 (3rd Street).

## OFF-CAMPUS FACILITIES

### Memorial Stadium (Football and Soccer)

The football and soccer practice and competition facility is located approximately 2.5 miles east of the main campus on US 40 (National Road). The remote location of this facility diminishes the positive impact these programs could have on the culture of the institution and reduces the opportunity for alumni and visitors to more completely engage the campus during game events. The distance of this facility forces the vast majority of the commutes to campus to be a vehicular mode.

Memorial Stadium is antiquated and in need of a major renovation. Some of the facility needs were being addressed during the course of the preparation of the master plan. The athletics administration indicated that new, on-campus competition and practice venues are required to make the ISU facilities competitive in the Missouri Valley Conference.

### Sycamore Field (Baseball)

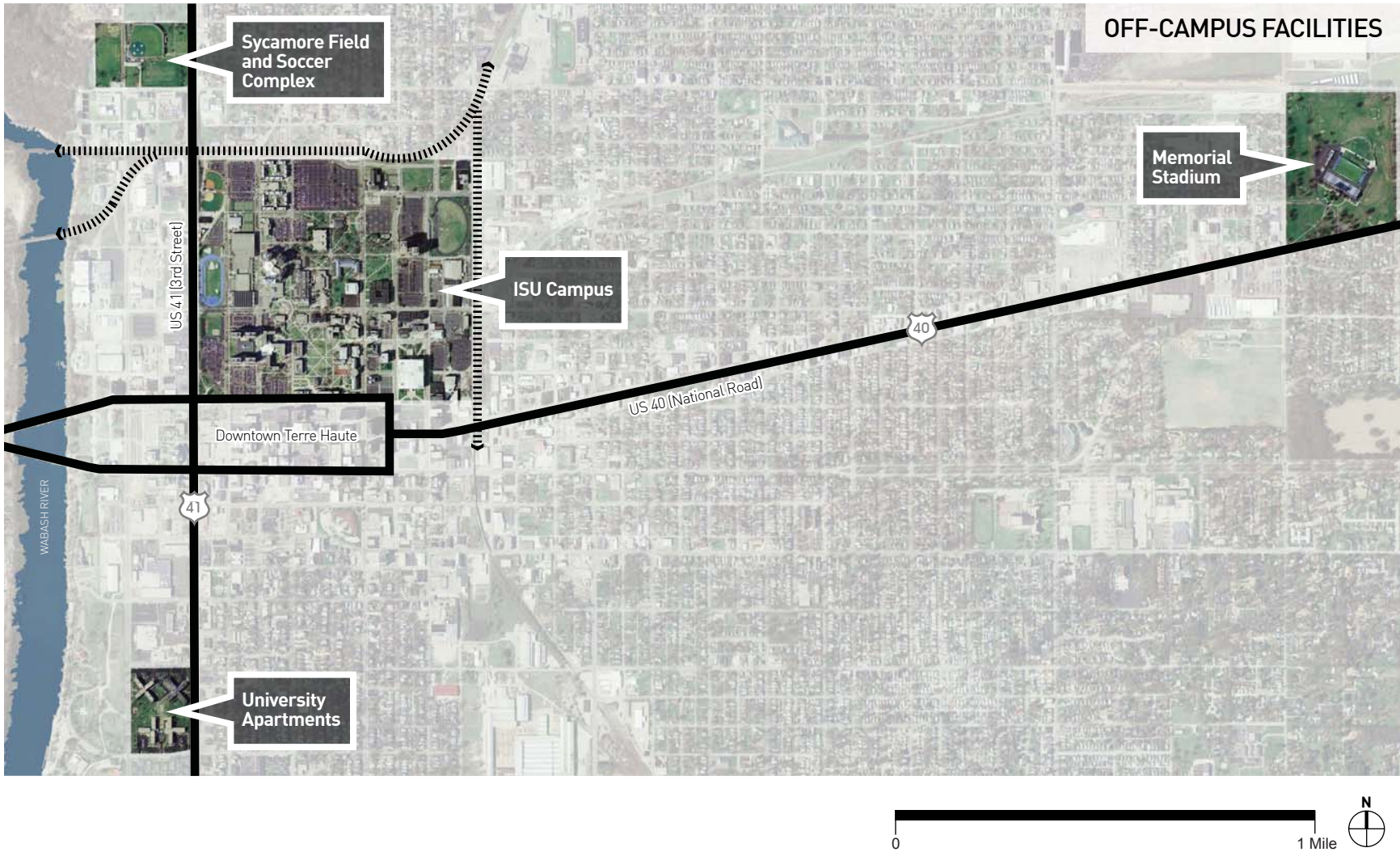
The baseball practice and competition facilities are located approximately three blocks northwest of the main campus. The baseball complex is under renovation with the intent of making the baseball program more competitive with those of peer schools.

Sycamore Field is within easy walking and biking distance but two major obstacles exist. US 41 (3rd Street) and the CSX railroad lines must be crossed to commute from the campus to the complex. A convenient alternative transportation route does not exist and thus, the vast majority of the commuting is by car. The facility would benefit from an enhanced bike and pedestrian connection along 1st, 4th, and/or 5th Streets.

### University Apartments

The University Apartments complex is located approximately 0.75 miles south of campus on US 41 (3rd Street). The location of the complex makes the pedestrian and bicyclist commute experience challenging due to the intensity of automobile and truck traffic utilizing US 41 (3rd Street). A bike trail has recently been constructed on the nearby 4th Street corridor and improves the alternative transportation experience. However, the bicyclists and pedestrians are still required to cross the six-lane US 41 (3rd Street) corridor. A shuttle service is offered for the residents but is lightly used.

While the University Apartments are a profitable operation and a popular residence, their condition will warrant attention within the master plan horizon. A number of University administrators have expressed an interest in a similar product type closer to or within campus.





5-8



US 41 (3rd Street) is a very heavily trafficked, highly commercialized, visually chaotic corridor with a right of way totally optimized for vehicular transportation.



Numerous faculty and staff have commented on the absence of a clear point of campus entry for visitors

## VEHICULAR CIRCULATION & PARKING

Accessing the ISU campus is readily achievable from many different locations. The presence of the I-70, US 41 (3rd Street), US 40 (Cherry Street, National Road) and State Roads 42, 46, 63 and 150 corridors makes the community and campus an easy destination from all directions.

It is believed that most campus visitors, especially first-time visitors, are arriving via US 41 (3rd Street) from the north or south. Those approaching from the south are thought to be commuting via the I-70 corridor. The Terre Haute portion of US 41 (3rd Street) is a heavily trafficked, highly commercialized, visually chaotic corridor with a right of way totally optimized for vehicular transportation. The abundance of truck traffic adds to the intensity of the place.

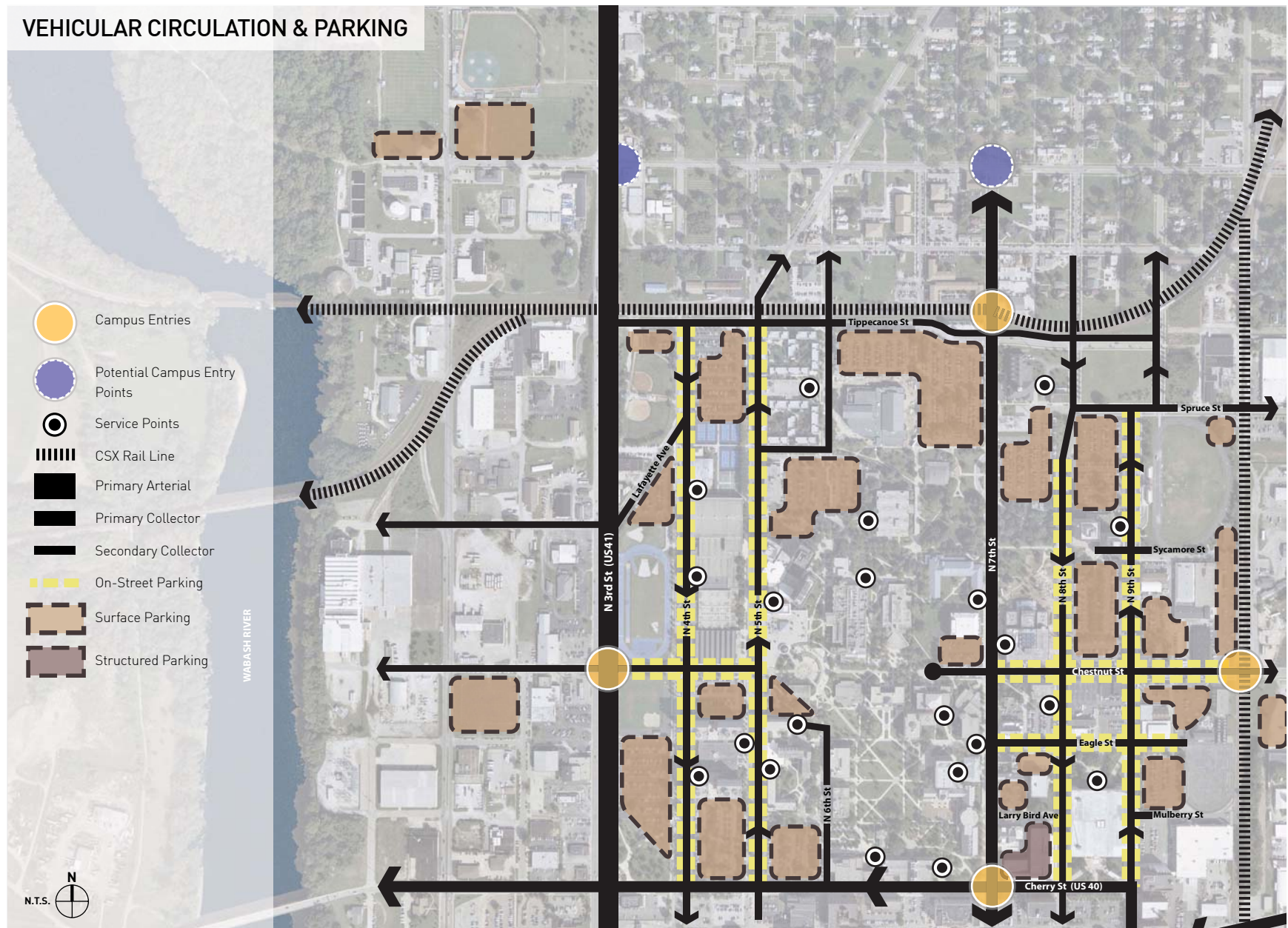
Community activists and planners have been engaged in the Terre Haute Long Range Transportation Planning effort which depicts the construction of a US 41 (3rd Street) bypass along the east side of Terre Haute. Reducing the intensity of the truck traffic on the existing route would certainly improve the experience of the typical visitor to the ISU campus. Should the traffic pressures be reduced it may be possible to re-apportion the right of way to create a richer and more pleasing character with the inclusion of alternative transportation facilities.

Numerous faculty and staff have commented on the absence of a clear point of campus entry for visitors. Of particular importance are the prospective students, parents and faculty. Many people indicated the University could be more successful with recruitment efforts if this were addressed.

The local streets within and abutting the campus provide the primary means for circulating through and around campus. The University has aggressively pursued a reduction in the number of streets passing through the campus over the past twenty years, effectively reducing the impact of the automobile on the heart of the academic zone. The west and east portions of campus are laced with one-way paired through streets that make the circumnavigating process challenging and disorienting. The south edge of campus abuts one-way paired streets that further complicates the cognitive understanding of the context.

Consistent with campus planning norms, the vast majority of the University's parking has been made available on the periphery of the campus core. The facilities staff has noted the surface parking lots on the west side of the campus (the area surrounding the majority of the student housing) are the most heavily used. The surface lots on the east side of the campus are the least heavily used, particularly the recently built stone surfaced lot east of the railroad tracks.





5-10



Corner of US 41 (3rd Street) and US 40 (Cherry Street, National Road)



ISU Football Stadium

## WAYFINDING (OFF CAMPUS)

It is important to note that a good wayfinding system is more than signs. There are a number of queues that can be employed as part of a wayfinding system that can help travelers navigate. The queues can include the large circle element that is proposed to form the basis of the new campus entry and the bell tower at Chestnut Street that will allow visitors to quickly recognize they are moving on a path consistent with the directions they were provided ("go through the large round-about, to the entry marker and turn right").

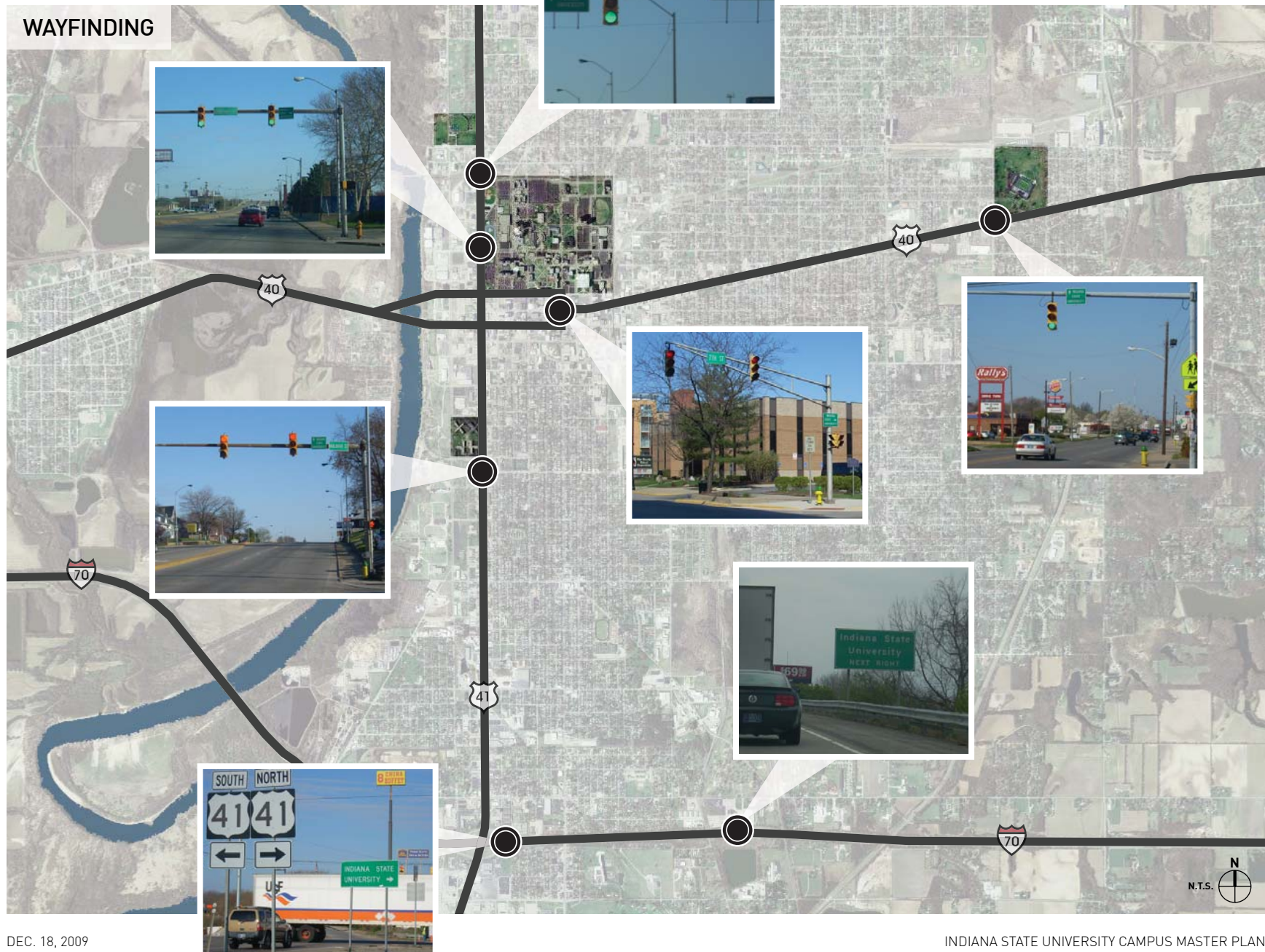
Signage is minimal on the routes to the ISU campus. ISU directional signage is located a mile in advance of the US 41 (3rd Street) exit from I-70 and adjacent to the roadway when approaching on US 41 (3rd Street). Traveling northbound on US 41 (3rd Street), directional overhead signage is attached to traffic signals and found in two locations between I-70 and upon the arrival of campus - first at Hulman Street and again at Chestnut Street.

Traveling to campus from the areas north, ISU-related signage is missing on St Rd 63 and US 41 (3rd Street) beyond Locust Street. Traveling southbound via US 41 (3rd Street), typical overhead signage is used at Locust Street and Chestnut Street.

Those who are approaching from the east are thought to be commuting via US 40 (Cherry Street, National Road). The first glimpse of ISU signage is that from the football stadium located 2.5 miles from campus. Directional overhead signage is used on the street at Brown Avenue heading west. Upon arrival at the intersection of Wabash Avenue and 7th Street, directional signage is located on the side of a traffic signal pole.

In general, the off-campus signage is small, lacks distance references, and is hard to distinguish from the other city signs.







5-12



Building Signage on Campus



Chestnut Street Signage

## WAYFINDING (ON CAMPUS)

Upon arrival at the ISU campus, there are a number of gateway signs at the more prominent points of entry to campus. The 7th Street gateway signage provides a sense of arrival when approaching campus from the south, while two gateway signs that are located on 3rd Street (US 41) announce the ISU campus from the west.

Secondary signage is located on campus to provide directions to points of interest and to provide parking and building information to visitors, students and staff. Minimal signage is made available and is sometimes difficult to locate. It is important that vegetation is maintained to allow clear legibility of these wayfinding signs.





5-14



As society trends further toward sustainable design practices, the use of exotic species and unrestrained cultivated lawns will be more challenging to continue.



The planted understory is typically loosely defined, often times a mix of woody and perennial plant material, and used to direct pedestrian traffic patterns.

## LANDSCAPE CHARACTER

The character of the ISU landscape has continuously evolved since its inception, largely responding to the influences of fashion trends and building programs. In many instances, the planting design reinforces the structure of the campus improvements through the ordered placement of trees consistent with the layout of the adjacent architecture and hardscape, both of which typically respond to the former urban grid. Many of the informal green spaces break from the geometric patterns and offer a more casual respite.

The planted understory is typically loosely defined, often times a mix of woody and perennial plant material, and used to direct pedestrian traffic patterns. More often than not, the ground plane is an irrigated lawn. The plant materials are a mix of exotic and native species and a mix of evergreen and deciduous.

As society trends further toward sustainable design practices, the use of exotic species and unrestrained cultivated lawns will be more challenging to continue. There are numerous reasons why ISU will feel the need to alter planting design practices including:

- Water resources will become more highly valued and will likely cause many midwestern institutions to use more efficient irrigation systems and to limit irrigation to premium green spaces.
- Cultivated lawns require the application of problematic chemicals in order to acquire and retain the desired lush green appearance.
- Cultivated lawns require frequent mowing resulting in the consumption of fossil fuels.
- Native species offer a much more complete food source for the native fauna, helping to increase bio-diversity.
- The use of native plant associations is an easy way for institutions to project an environmentally progressive image.
- The use of native and adapted plant associations can result in lower maintenance costs.

It should be noted that native plant associations, particularly the alternatives to cultivated lawns, result in a different aesthetic for the landscape. Some individuals may find the alternative look less attractive though acceptance often results from an awareness of the environmental benefits.



Proposed chilled water plant intended to serve the west portion of campus



Existing substation to serve the west portion of campus

## UTILITY FACILITIES

The campus is served by the following utility providers:

- Water: Indiana American Water.
- Sanitary Sewer: connection to Terre Haute sanitary sewer system that is still mostly combined sewer. Waste water treatment plant is 5 miles south of campus.
- Electric: Duke Energy brings service to campus via two (2) circuits to the Water Street Substation and the Spruce Street Substation.
- Gas: Vectren Gas.
- Telephone: Verizon to campus – on site campus is University owned.
- Cable: University System

5-15

Campus facilities include an existing Chilled Water Plant with a 4,540-ton capacity, a Central Heating Plant constructed in 2001, and a future Chilled Water Plant with an planned additional capacity of 2,500 tons with the ability to expand to 5,000 tons.

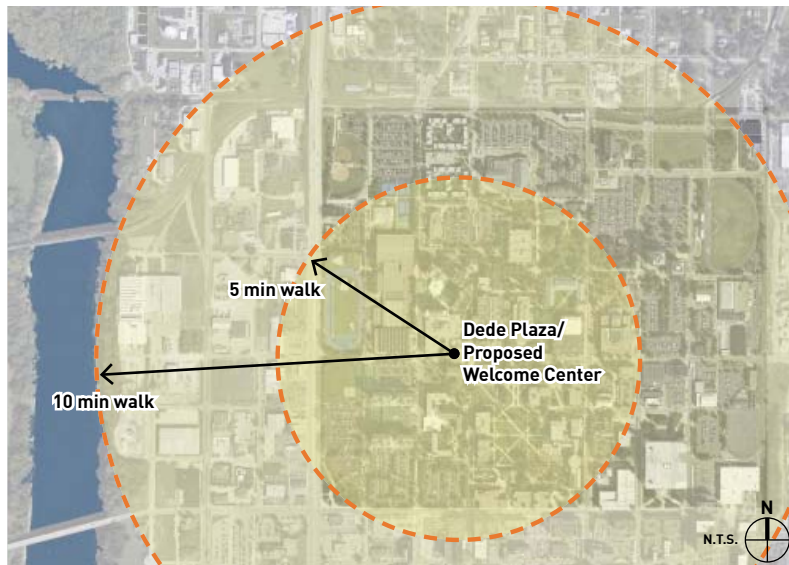
Utility tunnels exist on campus to carry steam, condensate, compressed air, chilled water, fiber, and 12.4Kv distribution cabling .

Considerations for campus expansion in regards to utilities are following:

- Desire to remove overhead utility lines that are crossing the campus.
- For University-provided utilities, the existing systems are close to capacity, therefore expansion would require new stand-alone systems with a few exceptions as noted below:
  - 1 If expansion was to be west, the existing Water Street Substation would suffice for electric.  
If it was to go north or east, a new utility substation would be required at significant expense.
  - 2 If expansion was to be to the north, the University would run fiber and cable from the existing system. There is a spare in the existing raceway from the 6th Street infrastructure available for this use.



5-16



### CAMPUS DENSITY & CAPACITY

The ISU students, faculty, staff and visitors are able to enjoy and benefit from a compact campus form. The moderate density of the existing environment facilitates convenient pedestrian and bicyclist commutes across the entire breadth of the main campus and the central business district. In addition to the sustainable forms of transportation, the current density levels foster the development of a vibrant and character filled physical environment in which buildings shape outdoor green respites.

The main campus core (4th to 8th Streets and Tippecanoe to US 40 (Cherry Street, National Road)) retains a significant amount of space that is suitable for the development of new buildings and high-quality open spaces. The surface parking lots and some of the green spaces within the campus core should be considered to be land banked property for the purpose of future facility development.



### ALTERNATIVE TRANSPORTATION & MASS TRANSIT

Indiana State University has developed components of an alternative transportation system and has been involved with building momentum in the greater Terre Haute community for such facilities. Bike lanes have been established along the north edge of campus linking the campus to a planned rail-trail project serving the east side of Terre Haute.

The recently provided bike lanes link to a bike trail located on 4th Street. The bike lanes effectively link the campus to the near south side of Terre Haute and to the University Apartments. Planned additions to the trail system offer the opportunity to link to the planned riverfront parks on the east and west banks of the Wabash adjacent to downtown Terre Haute.

Terre Haute's new multi-modal facility transportation is located on the ISU campus at the corner of 7th Street and US 40 (Cherry Street, National Road). Bus service is available at the multi-modal facility and a shuttle serving the ISU campus operates out of the facility.



## RAIL LINES

Heavily used freight rail lines exist on the eastern and northern edges of the ISU campus, frequently disrupting vehicular, pedestrian and bicycle traffic. An overpass has been built on US 41 (3rd Street), allowing vehicular traffic to avoid the train disruptions.

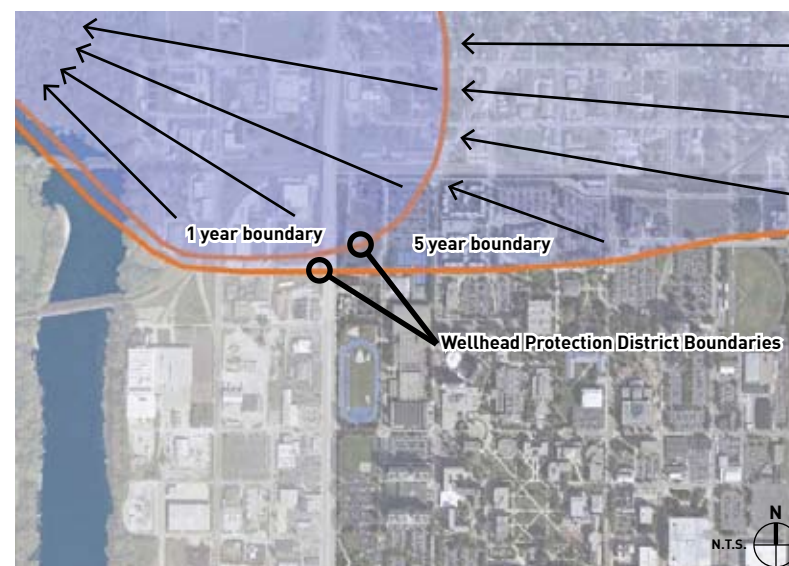
Several civic and government organizations in Terre Haute have been engaged in railroad relocation conversations. The discussions have not progressed to a point where it is clear there is a practical solution for the hoped for relocation of the rail line away from the ISU campus. For the purposes of this master plan, it has been assumed the rail lines will stay in place for the foreseeable future.

The master planning process included discussions about the development of more overpasses or underpasses on select local vehicular corridors, most specifically 7th Street. It is apparent that such a development will have a large impact on the character of the selected streets due to the amount of geographic area and large retaining walls required to negotiate the required grade change.

The existing rail line in 1st Street is expected to be abandoned in the near future.

DEC. 18, 2009

## SECTION 05: ANALYSES - EXISTING CONDITIONS



## RAINWATER MANAGEMENT

The recent evolution of the Clean Water Act and trends in sustainable design have led to substantial changes in the way large institutions, like ISU, are managing rain water. No longer are we seeking to discharge rain water as quickly as possible. Good practices in the early 21st century include efforts to minimize runoff and to cleanse the rain water before we do discharge it to our neighbors downstream.

ISU has been utilizing infiltration basins the past couple of decades for the purpose of returning rain water to the aquifer, an environmentally sound practice that has effectively taken large tracts of land off the City's combined sewer system as well as saved meaningful amounts of money for ISU. This practice should continue to be used.

The northern limits of the campus lie within a wellfield protection district. Special care will need to be taken when working in these areas as direct discharges of polluted rain water into the aquifer cannot be allowed to happen. In many cases, the answer may be as simple as pushing the rain water through a vegetated area with a deep bed of pervious soil. Functioning much like a septic system, the soil microbes will consume the pollutants.

INDIANA STATE UNIVERSITY CAMPUS MASTER PLAN





**Indiana State University**

We would like to thank the many campus members who contributed to the development of this plan including the President's Cabinet, the President's Council, the Faculty Senate, the Support Staff Council, the Student Government Association and other individuals.

**Civic Organizations**

Office of the Mayor, Terre Haute, Indiana  
The riverSCAPE Commission  
Chamber of Commerce  
Downtown Terre Haute Design Committee

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# ACKNOWLEDGEMENTS











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