



CONNECTING CAMPUS AND COMMUNITY

Comprehensive Transportation Planning at OSU

2016 Central Ohio Planning and Zoning Workshop // May 20th



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AGENDA

1. Plan Context + Challenges
2. Strategies that Enable Collaborations
 - Operations and Management
 - Comprehensive Transportation and Parking Planning
 - Making the Case for Implementation
 - Next Steps
3. Audience + Panel Discussion

Plan Context + Challenges

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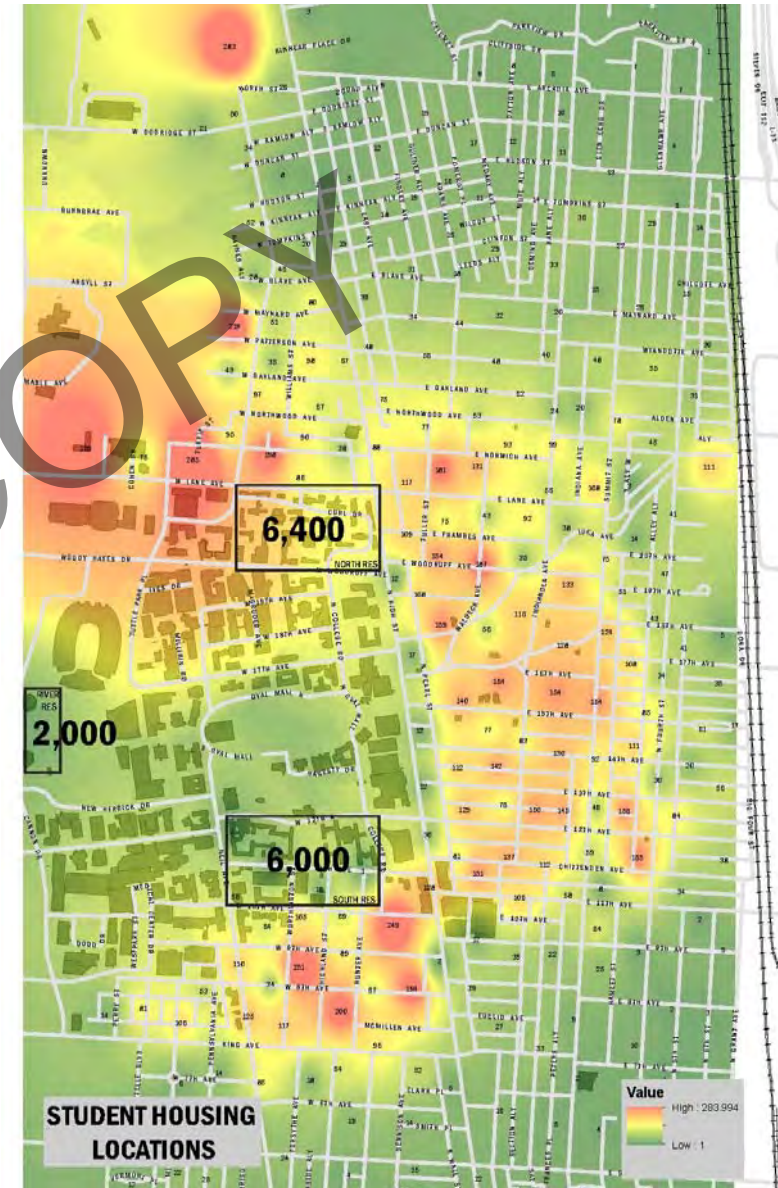
Columbus Campus by the Numbers

- 1,900 acres
- 58,000 students
- 44,400 faculty/staff
- 84,000 vehicles daily
- 36,000+ parking spaces
- 37 campus buses
- 5,000,000 passengers annually



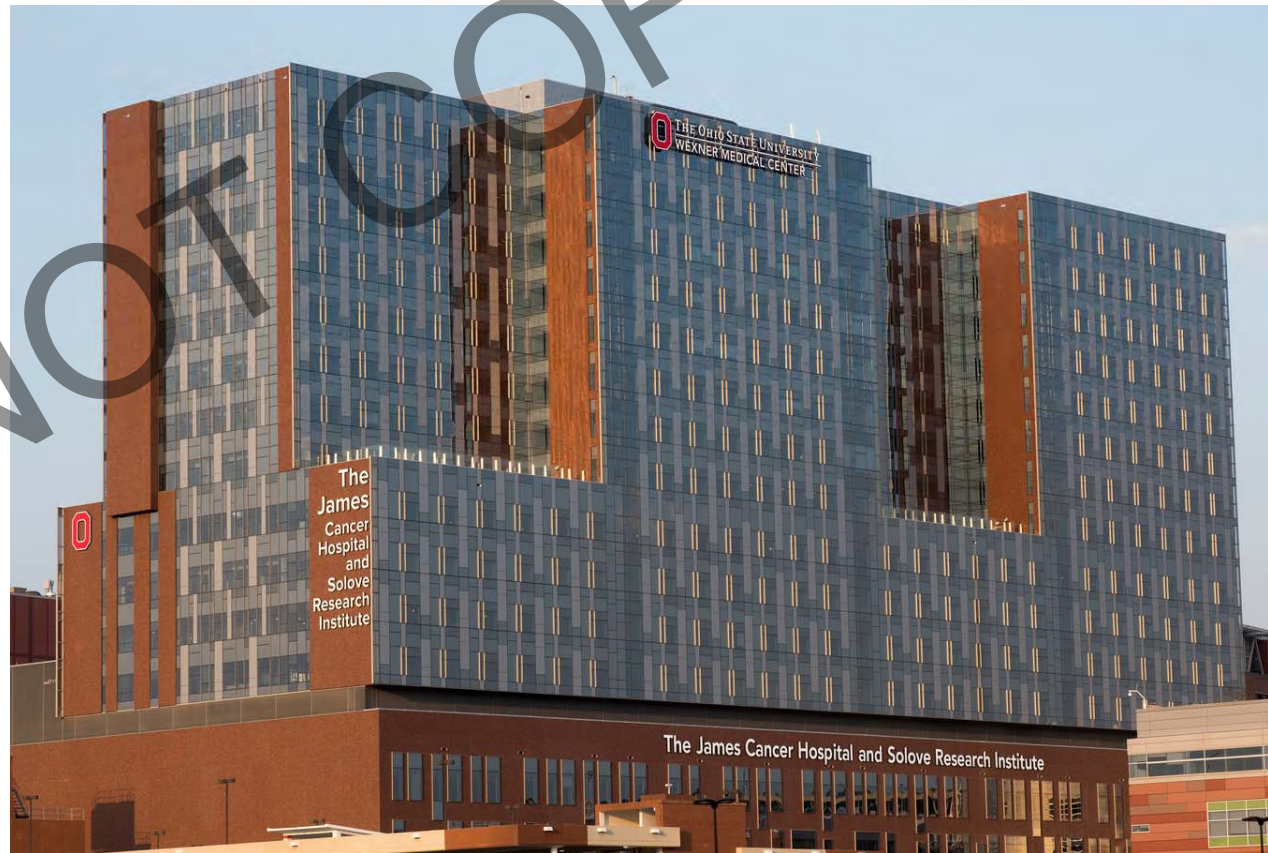
Student Housing Locations

- 14,000+ student beds on campus (2016)
- ~ 14,000 students living off-campus in University District
 - ~ 2,500 north
 - ~ 9,000 east
 - ~ 2,400 south



Wexner Medical Center Growth

- Academic Medical Center
- 7 Health Science Colleges
- 1.6M outpatient visits
- 1,250 patient beds
- 57,000 patient admissions
- 19,500 WMC employees



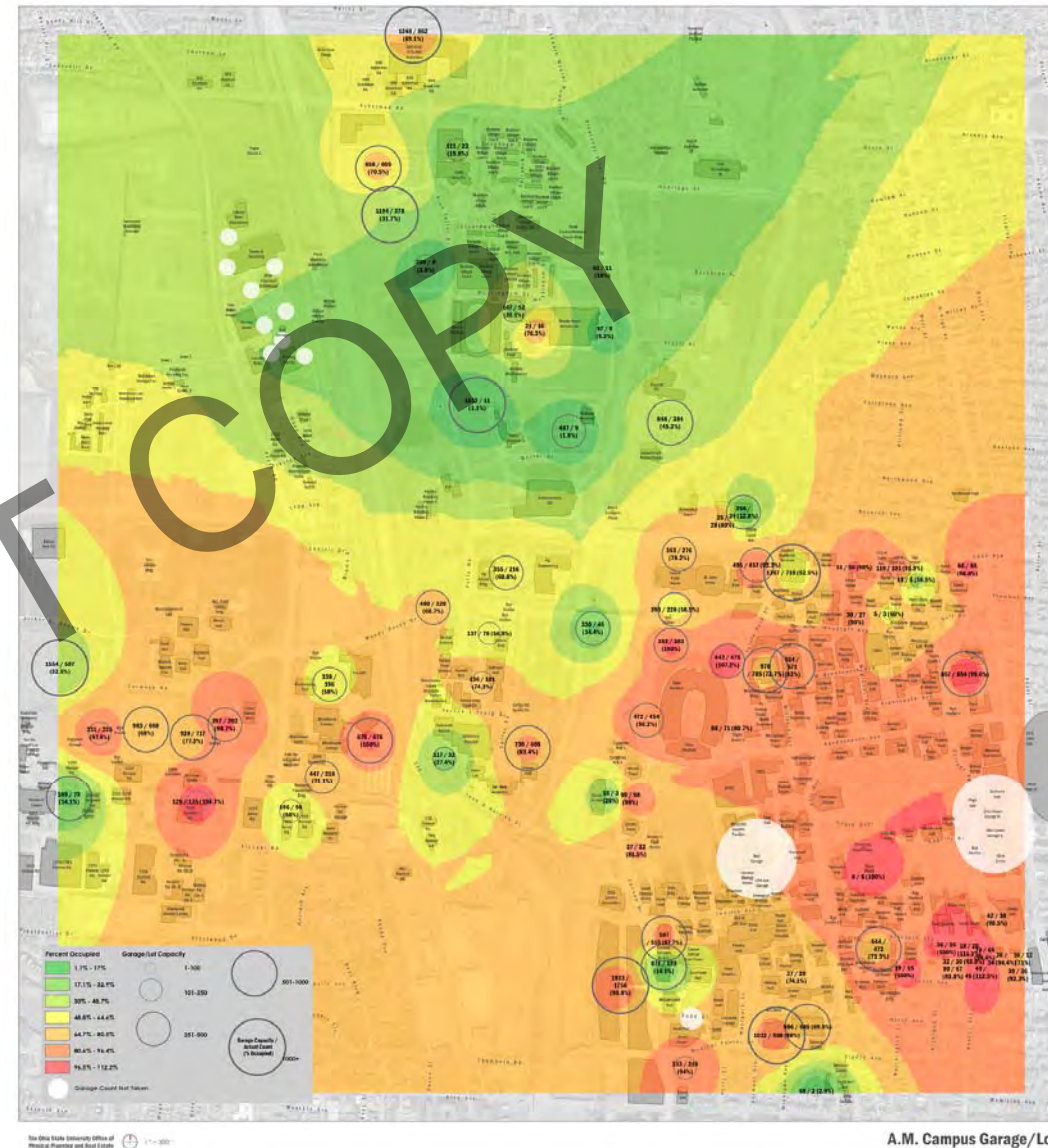
Relocation of Cannon Drive

- Creates flood protection
- Enhances greenspace adjacent to river
- Creates ~12 developable acres
- Displaces ~2,000 parking spaces
- Construction - summer 2017 (phase 1)



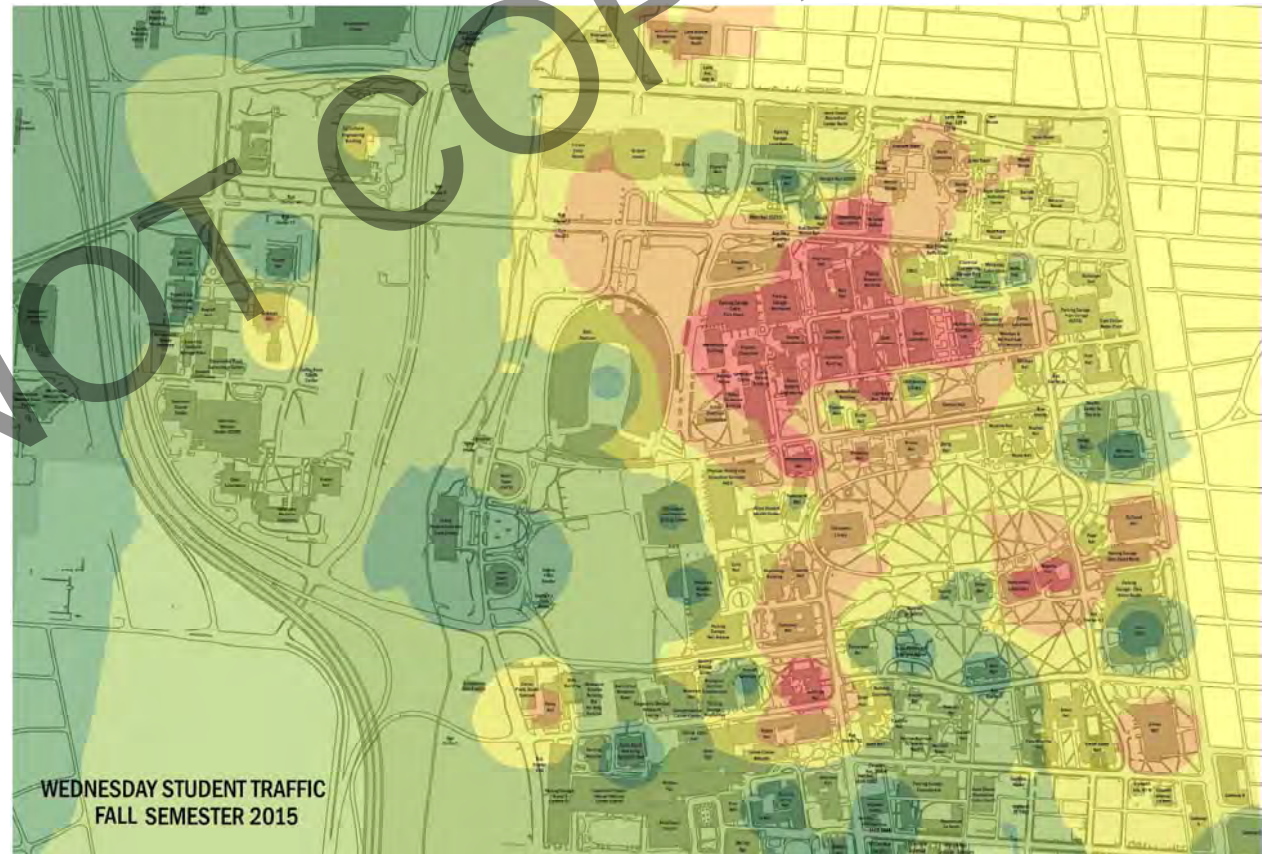
“Park Once”

- One Ohio State Framework Principle from 2010
- “Park once, using remote reservoirs, then use alternative modes of transportation”
- Parking is available on campus
- Academic Core and Wexner Medical Center at capacity



Bicycle and Pedestrian Traffic

- Increased amount of student traffic in the Academic Core
- Framework recommendation to pedestrianize the core
- Increased number of students living on campus
- Need safer environment for everyone





Strategies that Enable Collaborations

DO NOT COPY

Operations and Management

Operations and Management

What We Do In Transportation and Traffic Management

- Campus Area Bus Service (CABS)
- On-Demand Paratransit Service
- Charter Bus for University Departments and Organizations
- Vehicle Rentals for University Departments and Organizations
- University Fleet Services
- Campus Traffic Management (including events and construction impacts)
- Alternate Transit Options (carsharing, vanpooling, bicycle amenities)
- Crosswalk Analysis and Siting

Operations and Management



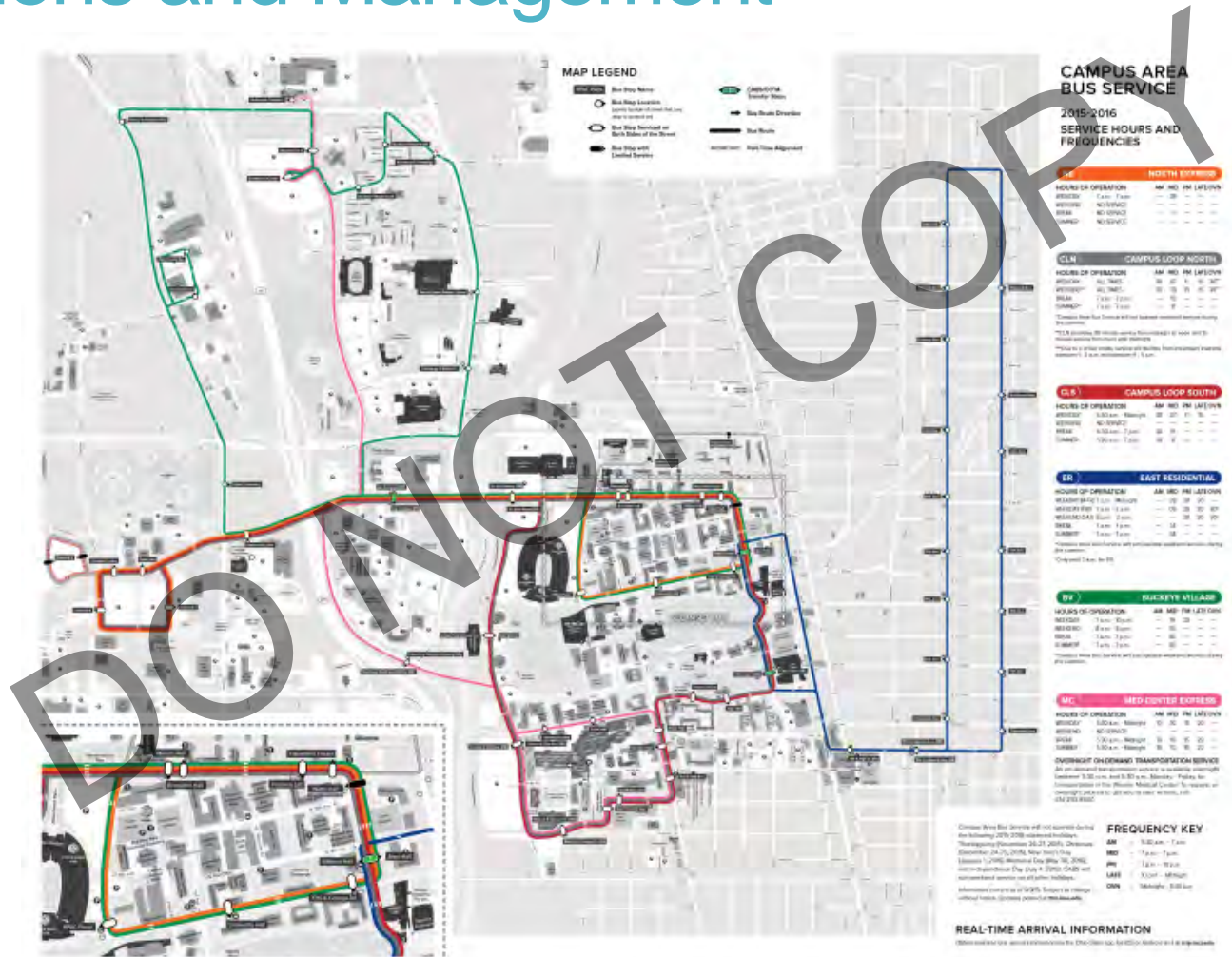
Operations and Management



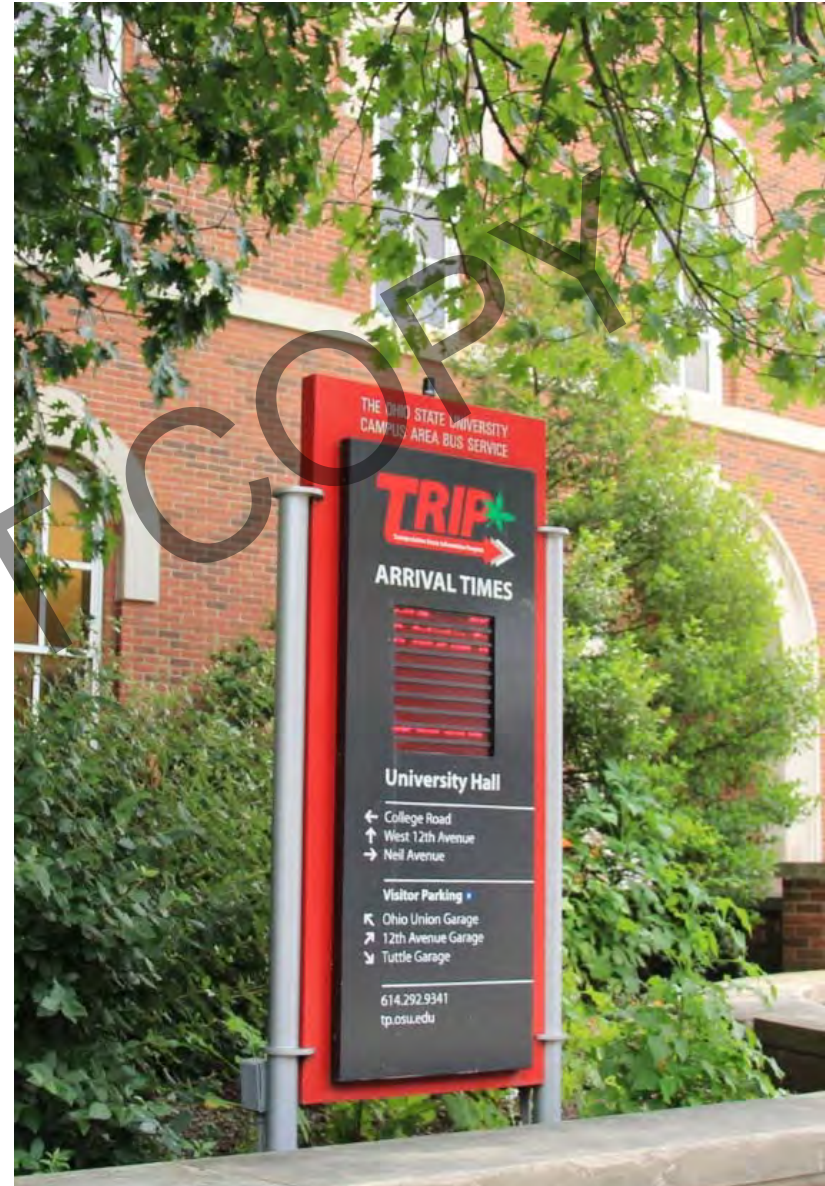
Wexner Medical Center Patient Courtesy Shuttle Service



Operations and Management



Communication Tools



Management Tools



Management Tools

The Ohio State University Boardings by Time of Day

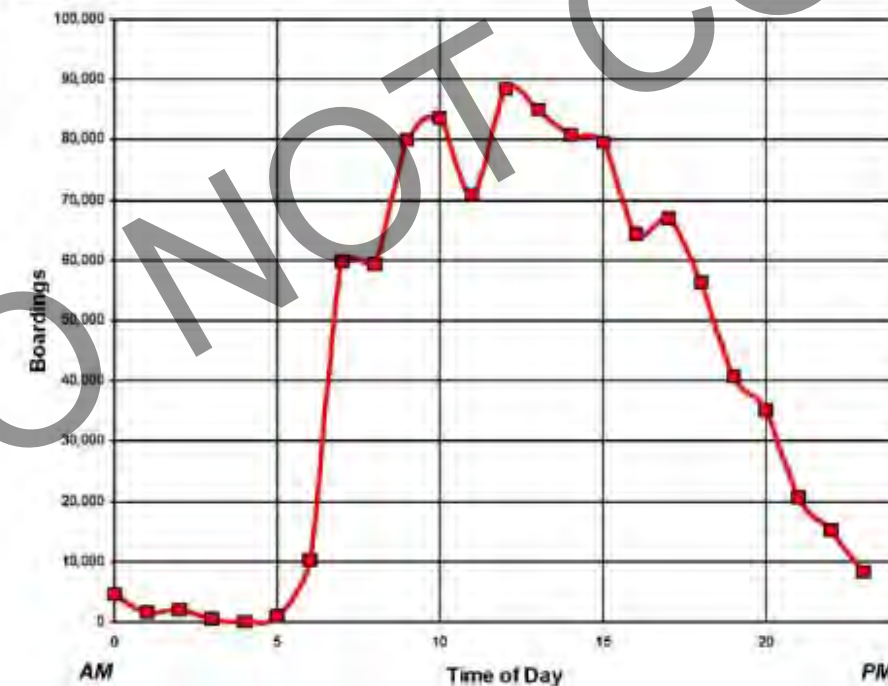
Rt 19; AU14; NEW FILTER

Ridecheck Plus

CLN
CIRCULAR

Vehicle Trips	72,972	Boardings Per Mile	7.59	TP Ontime	215,623
Boardings	1,013,193	Boardings Per Hour	59.6	TP Early	34,002
Revenue Miles	133,606.4	Schedule Speed (MPH)	9.8	TP Late	22,608
Revenue Hours	16,995.0	Actual Speed (MPH)	10.7	Ontime (%)	79.3

Boardings



Game Day Operations



Comprehensive Transportation and Parking Planning

CTPP 1 2014

COMPREHENSIVE TRANSPORTATION & PARKING PLAN



THE OHIO STATE UNIVERSITY
AUGUST 2014

CTPP 1: Comprehensive Mobility System Planning

Comprehensive Transportation and Parking Plan (CTPP 1), 2014

PARKING SYSTEM	Align the existing parking resources to better meet the campus needs. To achieve this goal requires more efficient use of the Carmack and Buckeye lots, increased predictability of available parking, and supporting transit service.
TRANSIT SYSTEM	Support the campus through a robust transit system that includes express shuttle service to parking, a campus core circulator system, shuttles serving other portions of the campus and service during off-peak hours.
CAMPUS STREET NETWORK	Make strategic improvements to the existing road system, carefully add additional road segments and implement a limited street management program to help balance vehicular, bicycle and pedestrian traffic.
REGIONAL STREET NETWORK	Work closely with Ohio Dept. of Transportation (ODOT) and the City of Columbus to plan for and implement upgrades and improvements to the regional road system including expansion of road capacity, design of campus gateways, and signage and wayfinding systems. Improve campus connections both to and from SR315 and I-71.
BICYCLE SYSTEM	Expand and support creation of a comprehensive and safe bicycle network with supporting facilities that provide regional access and connectivity throughout the campus.
PEDESTRIAN SYSTEM	Expand and support creation of a comprehensive pedestrian network that encourages pedestrian access and improved safety, particularly areas west of the Olentangy River.
IMPLEMENTATION	Establish an implementation strategy that provides a flexible and thoughtful approach to implementing improvements in a phased sequence.

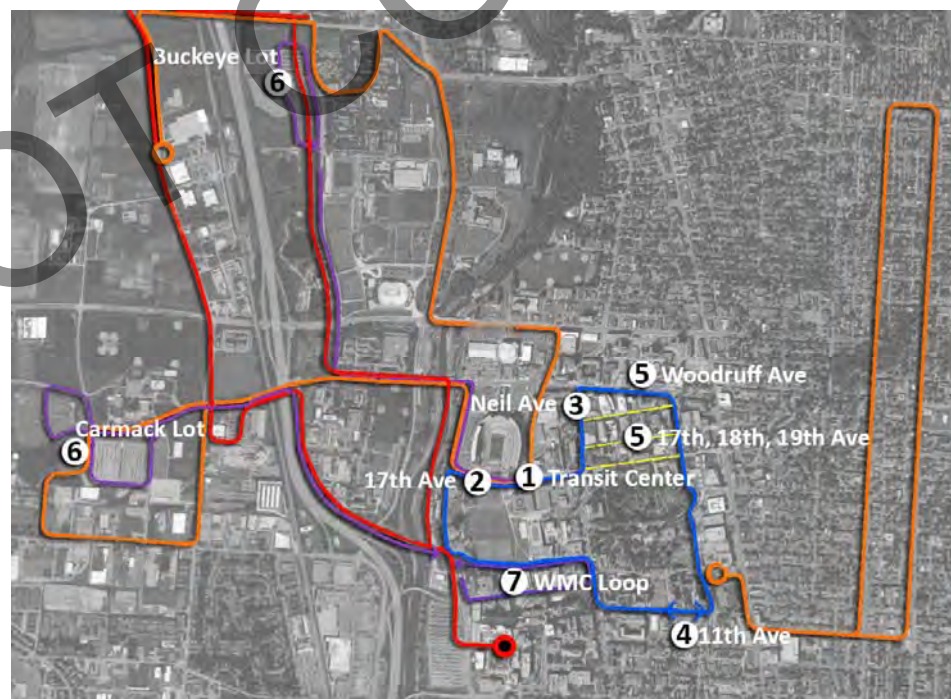


Multi-phase roadway, transit, and parking recommendations

CTPP 2: Further Study Near-Term Priority Projects

Transportation Plan – Engineering & Design Study Phase 1 (CTPP 2), 2015

1. TRANSIT HUB
2. ANNIE & JOHN GLENN AVE. EXTENSION
3. NEIL AVENUE EXTENSION
4. 11th AVENUE CONVERSION
5. TRAFFIC MANAGEMENT
6. ENHANCED BUS SHELTERS
7. WEXNER MEDICAL CENTER TRANSIT LOOP



CTPP 2 2015

Making the Case for Implementation

The study of strategic locations on the OSU campus to improve the transport of students, staff, and campus community while enhancing the campus environment and experience.

The Ohio State University
Comprehensive Transportation and Parking Plan (CTPP) 2

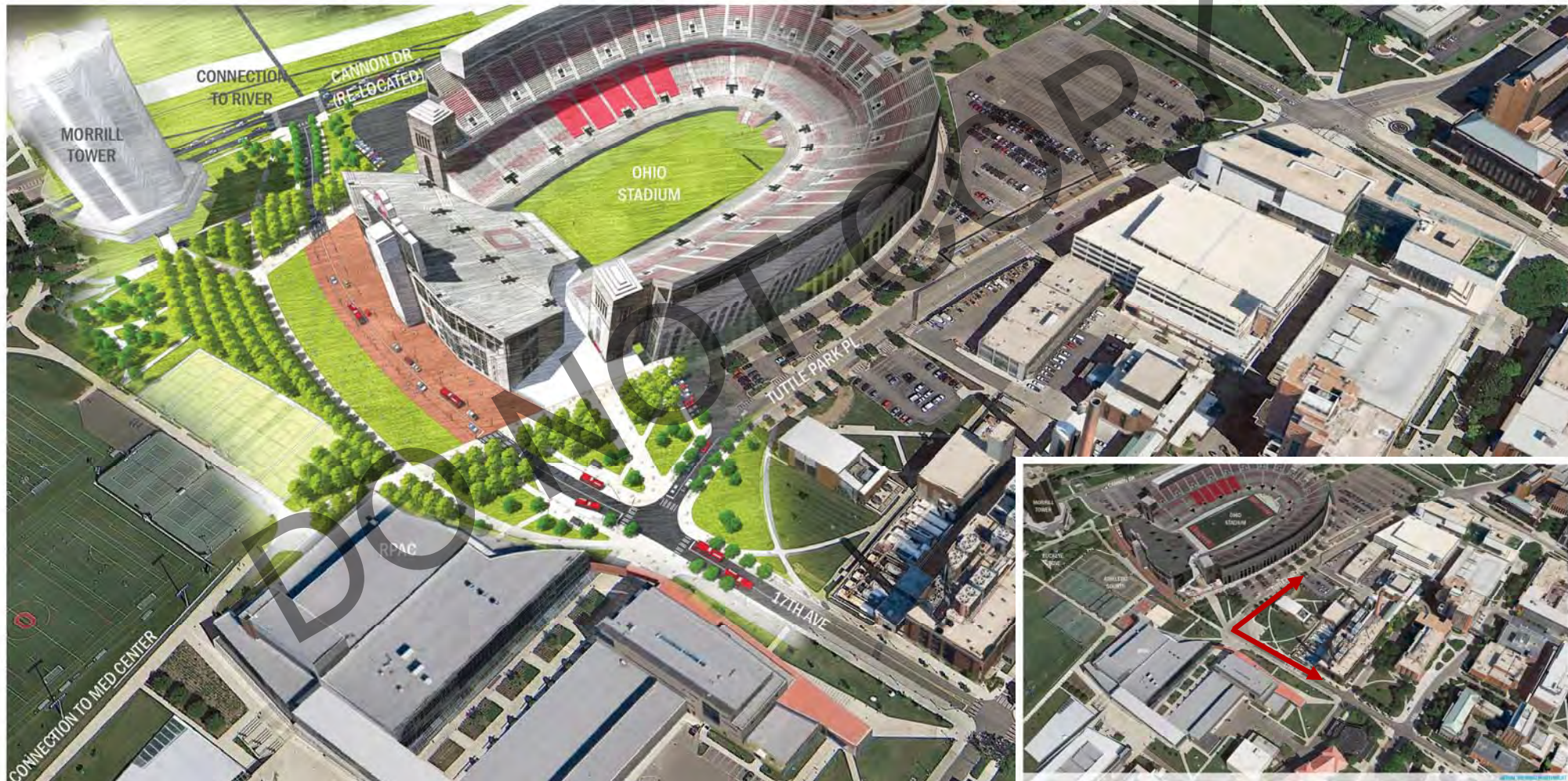


December 2015 | nbbj

Making the Case

- Are the recommendations still valid?
- Is there an alternative?
- What will it conceptually look like?
- How will it impact traffic patterns - in and around campus?
- How will it impact campus experience?
- What do stakeholders / end users have to say?
- What will it cost?
- What will it take to get there?

Annie & John Glenn Ave Extension (Former 17th Ave)



Enhancing Campus Experience



VIEW LOOKING WEST FROM PROPOSED TUTTLE PARK PLACE AND ANNIE & JOHN GLENN AVENUE INTERSECTION

Multi Modal

MORRILL
TOWER

OHIO STADIUM
SOUTH STANDS

CONNECTION
TO RIVER

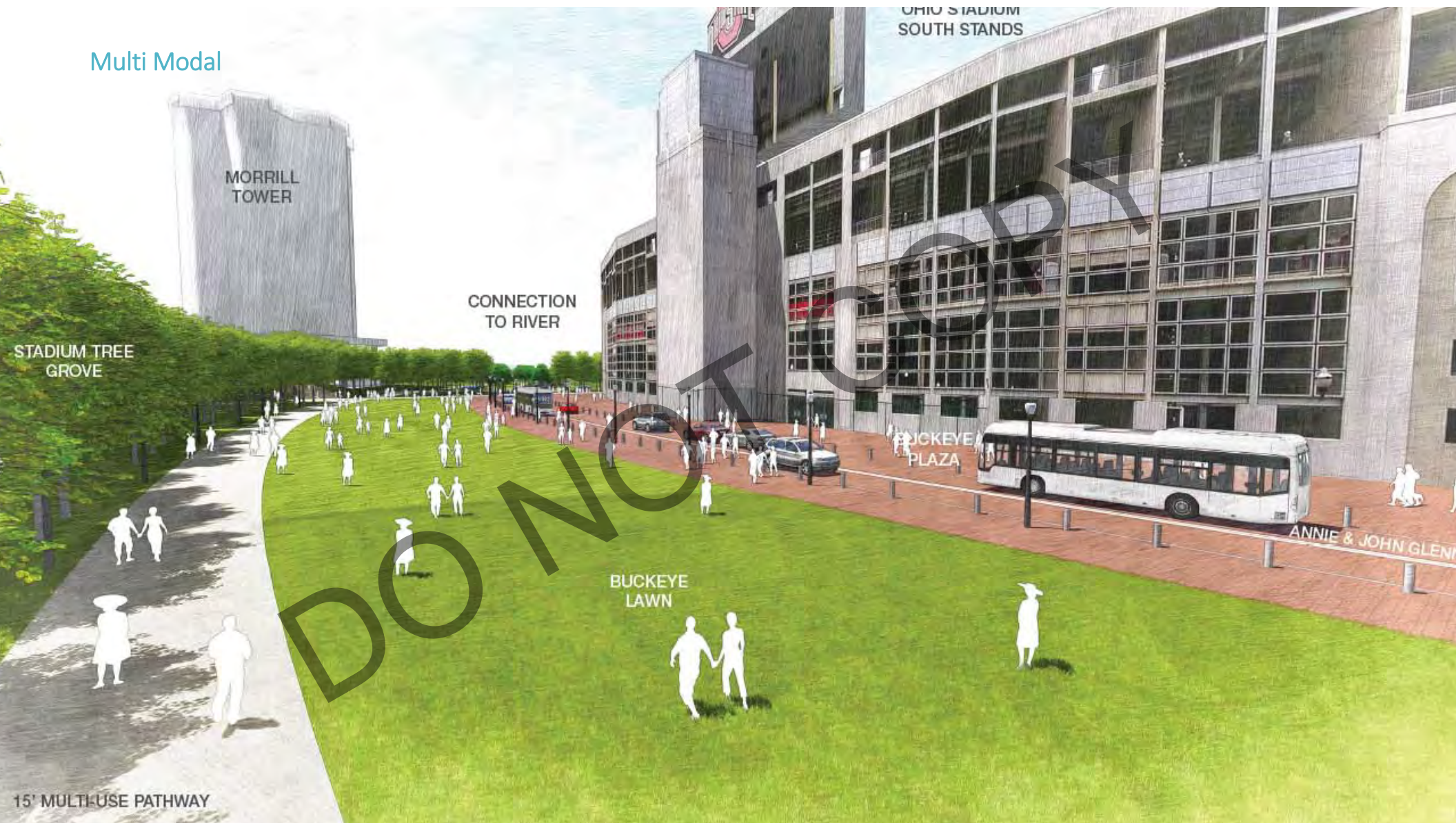
STADIUM TREE
GROVE

BUCKEYE
PLAZA

BUCKEYE
LAWN

ANNIE & JOHN GLEN

15' MULTI-USE PATHWAY

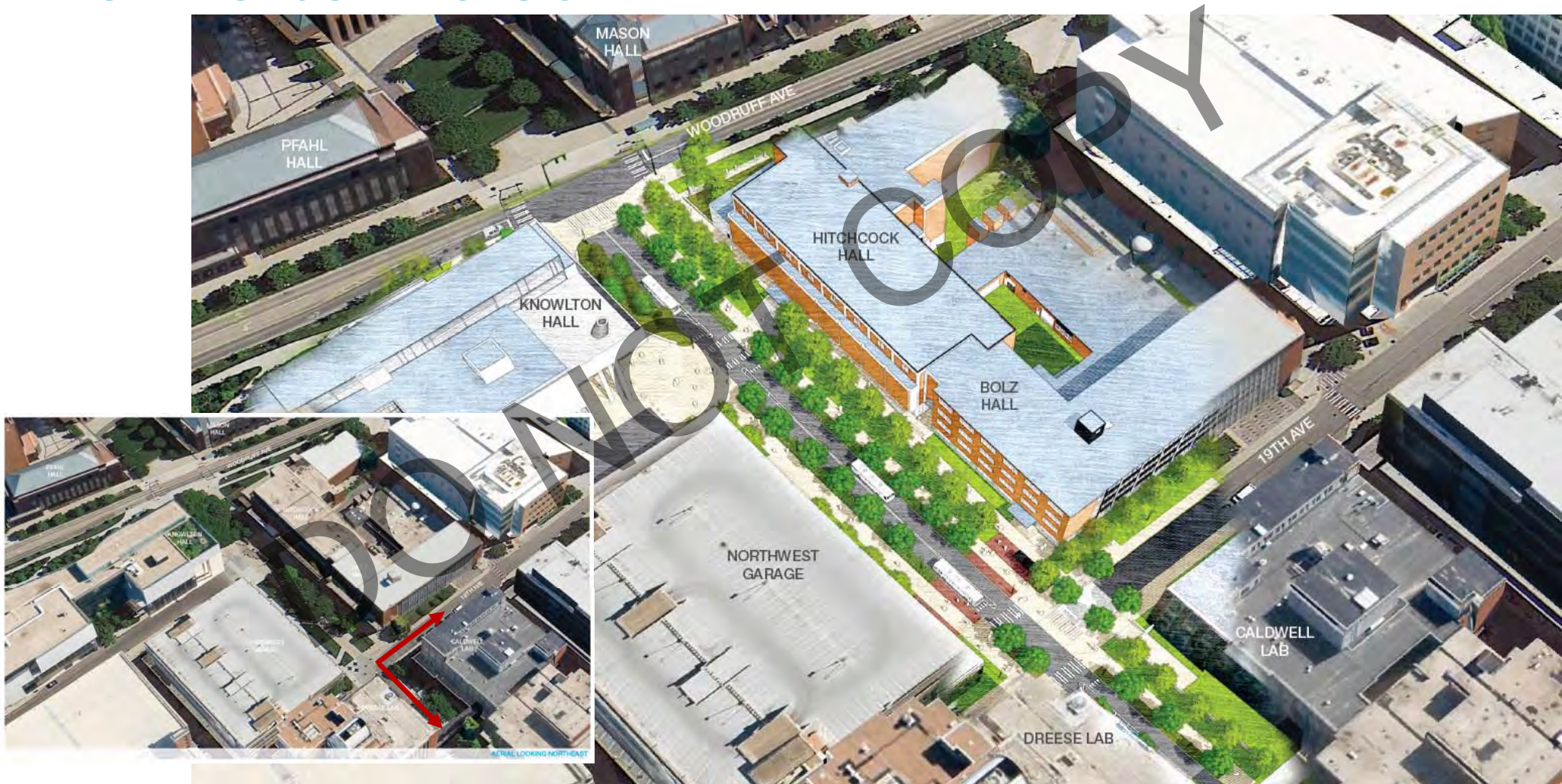




(WALK TO WEXNER MEDICAL CENTER
AND RECREATION FIELDS)

PERSPECTIVE VIEW LOOKING NORTHEAST FROM RPAC

Neil Avenue Extension





LOOKING SOUTHWEST TO KNOWLTON HALL



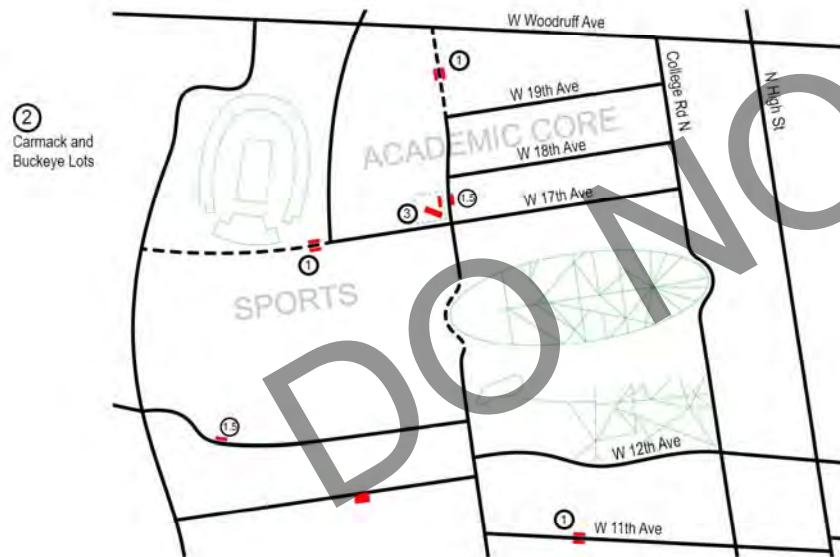
LOOKING NORTHEAST



LOOKING NORTH FROM 19TH AND NEIL

Making the Case: Transit System / Amenities

BUS SHELTER STRATEGY



① 8' x 15'

①.5 12' x 30'

②

③



Standard Shelter

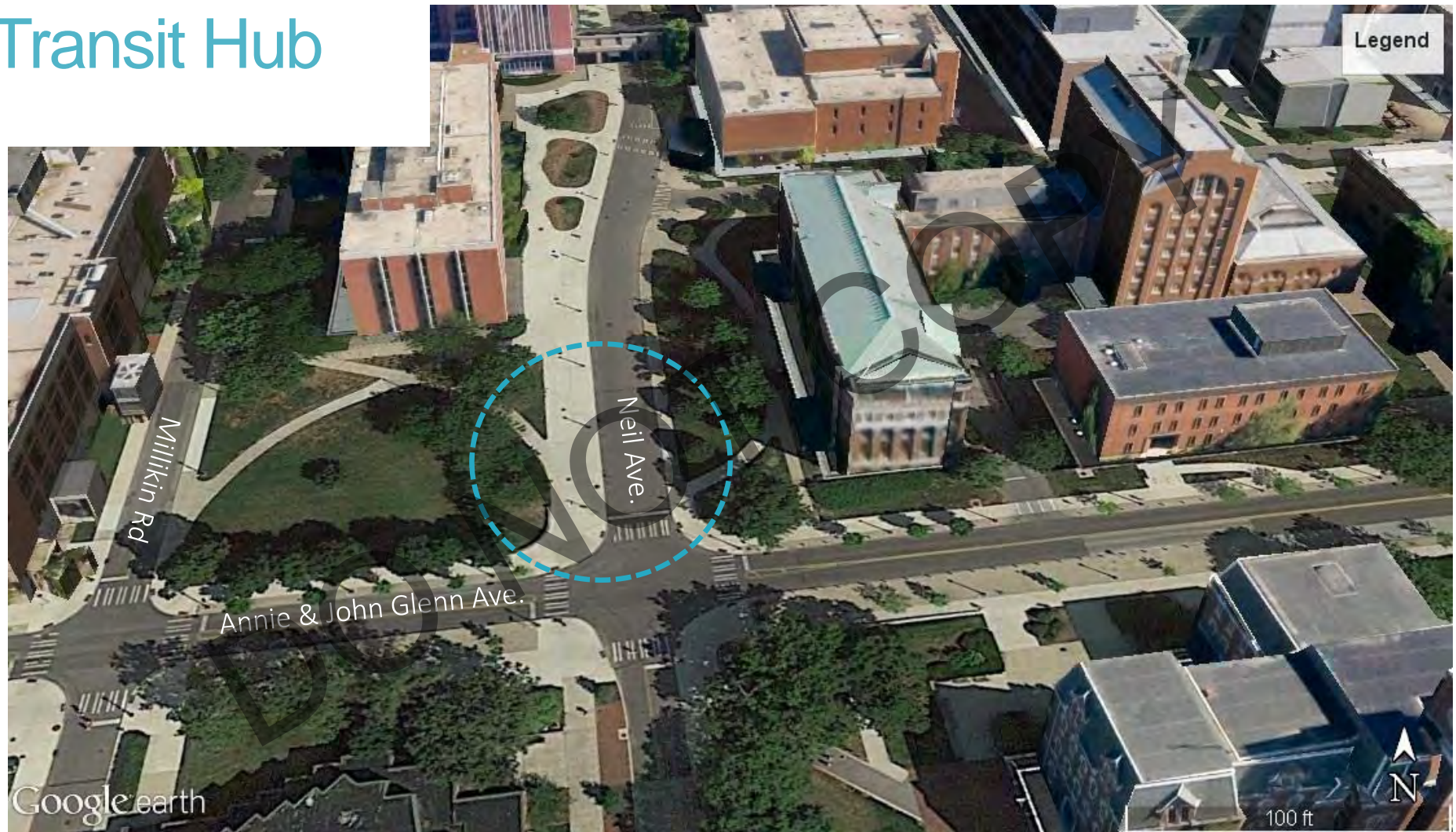


Enhanced Shelter



Transit Hub

Transit Hub



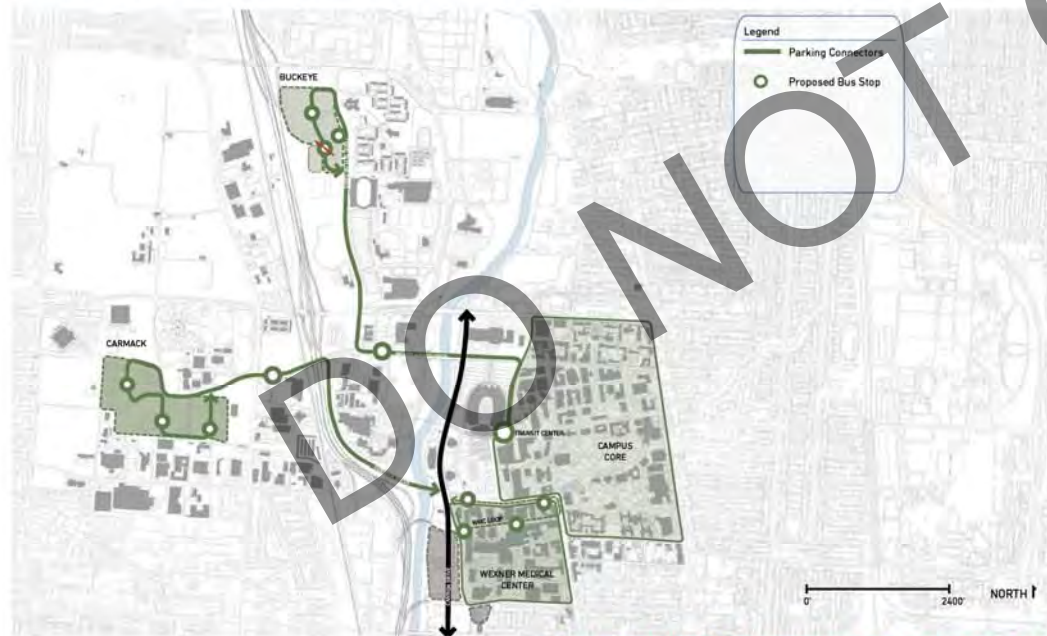


VIEW LOOKING NORTHEAST

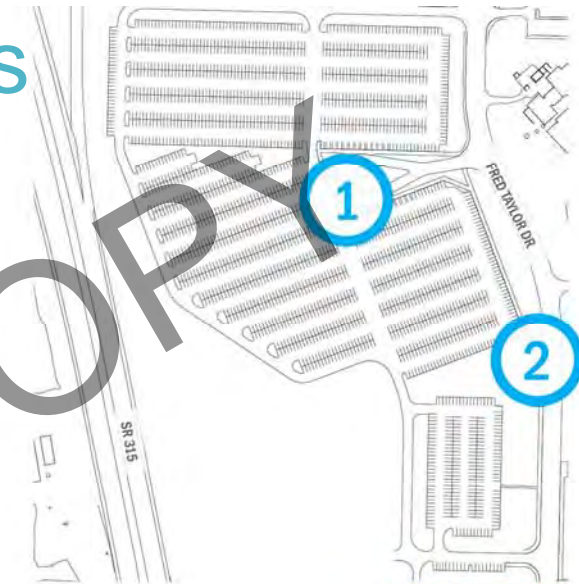


Parking System/Transit Amenities

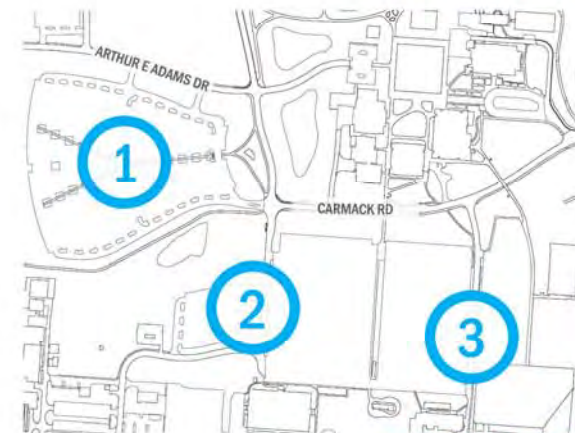
PROJECTED CARMACK AND BUCKEYE LOT PARKING



OSU CTPP1 PROPOSED PARKING FOR BUCKEYE AND CARMACK LOTS



BUCKEYE LOT LOCATIONS



CARMACK LOT LOCATIONS

Academic Core Traffic Management

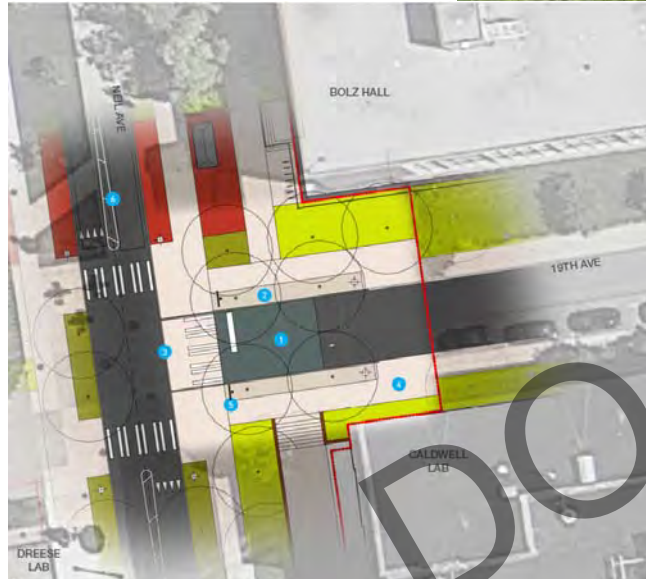
Future Traffic Distribution



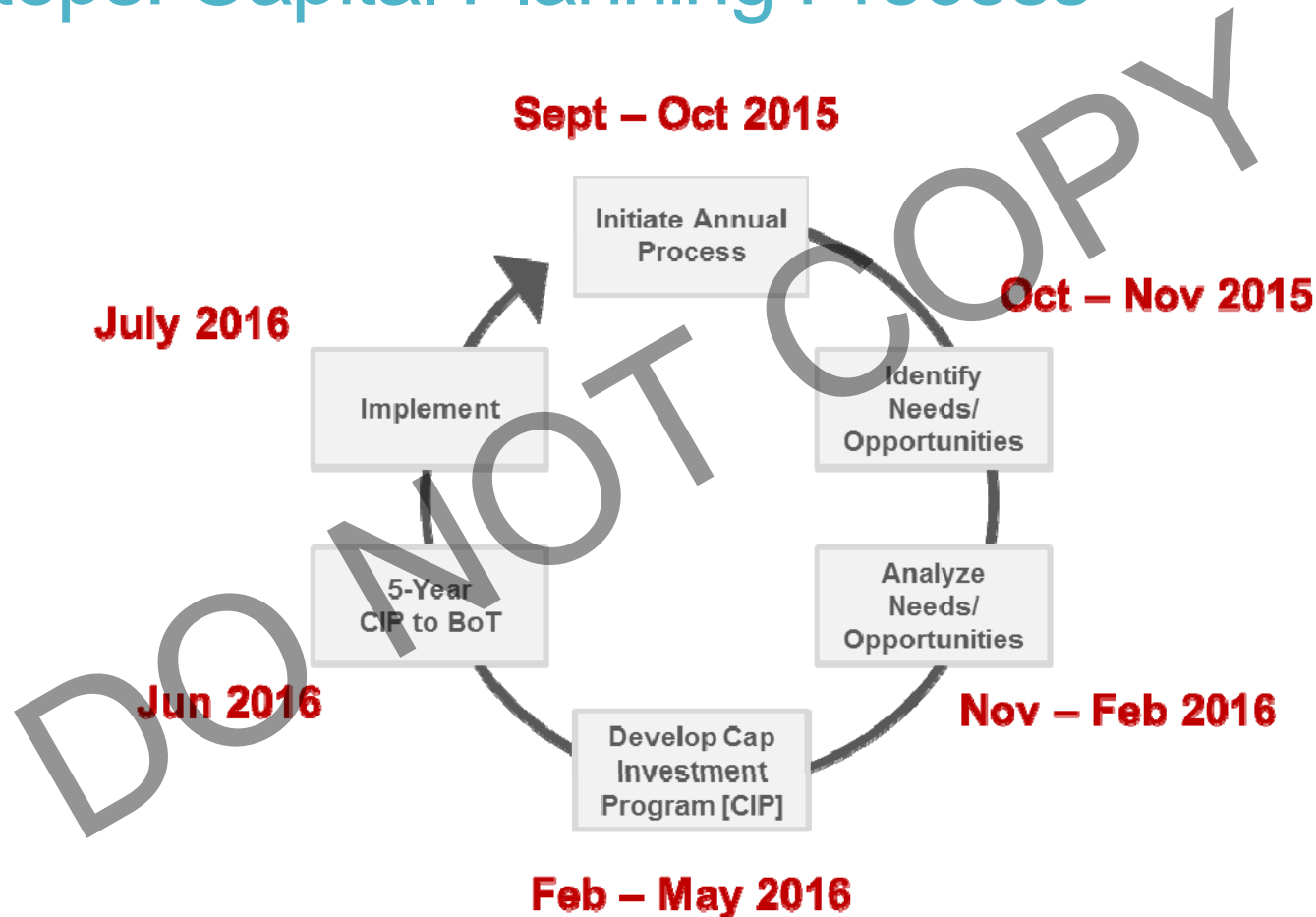
Future Levels of Service



Traffic Management Through Design



Next Steps: Capital Planning Process





THANK YOU!

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