

Campus Mobility Plan

Improved Campus Mobility
and
Student Success

Mobility Survey Rationale

Help identify and guide implementation of changes to...

- Enhance mobility and convenience
- Position MSU as a recognized mobility leader
- Improve MSU community and visitor experience
- Influence behavior and find new ways to optimize mobility
- Increase student success
- Provide a high-quality educational and work environment
- Increase safety
- Promote positive on-campus experiences for students, faculty, staff, and visitors
- Encourage environmentally sound practices
- Support cutting-edge research



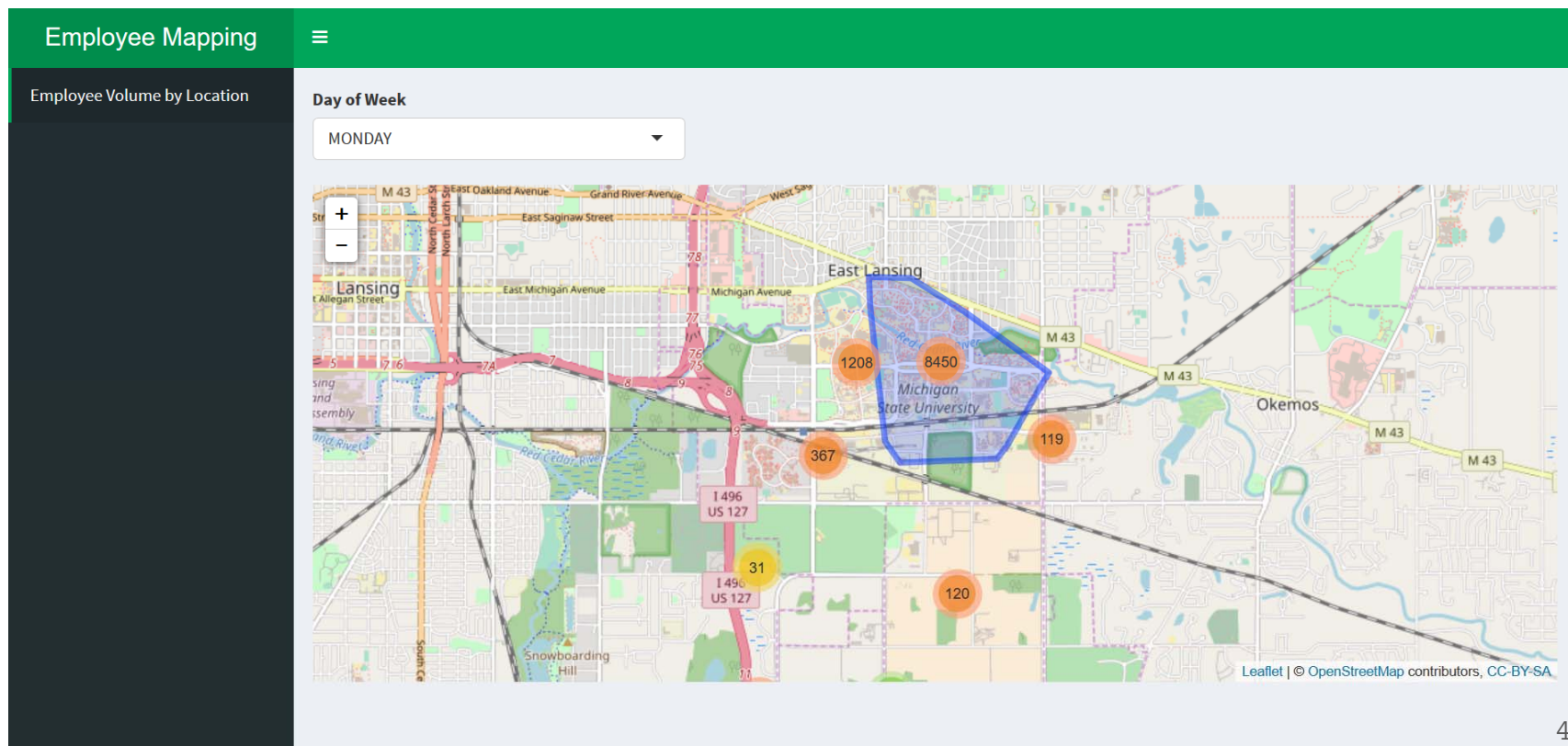
Mobility Survey Background

- Collaborative, cross-unit inquiry and interpretation for greatest university-wide impact
- July 2017, sent to approximately 11,000 MSU faculty and staff employees who work on the East Lansing campus
- 2,571 survey responses received from all major MAUs on campus
- Respondents self-identified as:
 - 55% support staff
 - 22% as faculty
 - 10% as academic specialist
 - 9% as administration/executive management

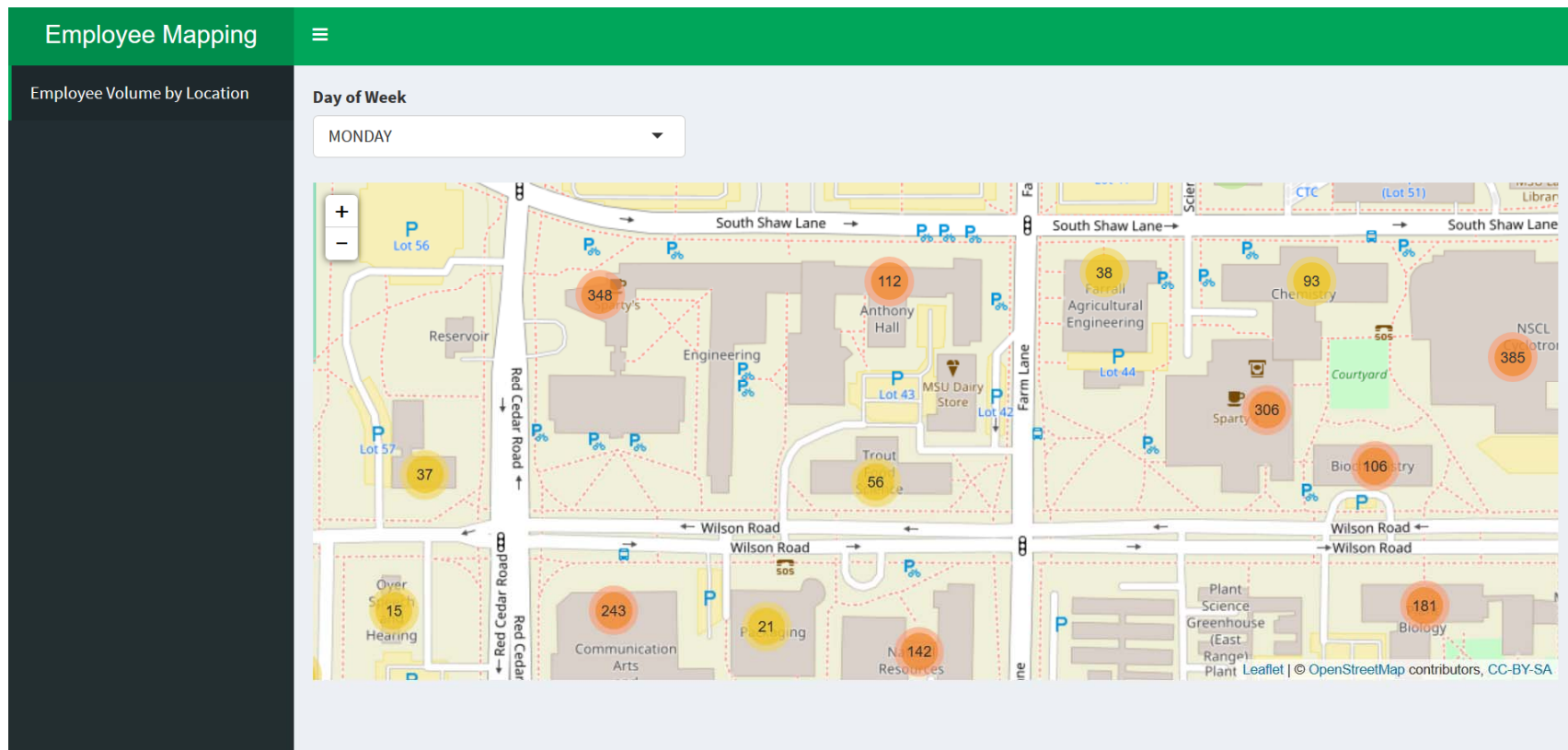


Utilizing Data for consideration of Dedicated Video Conference Locations

Utilization of Data to map MSU Employee locations for potential consideration of dedicated virtual meeting spaces. MSU Mobility Plan support from Danielle Barnes, Lead Data Scientist & Data Analytics Architect – MSU IT



Utilizing Data for consideration of Dedicated Video Conference Locations



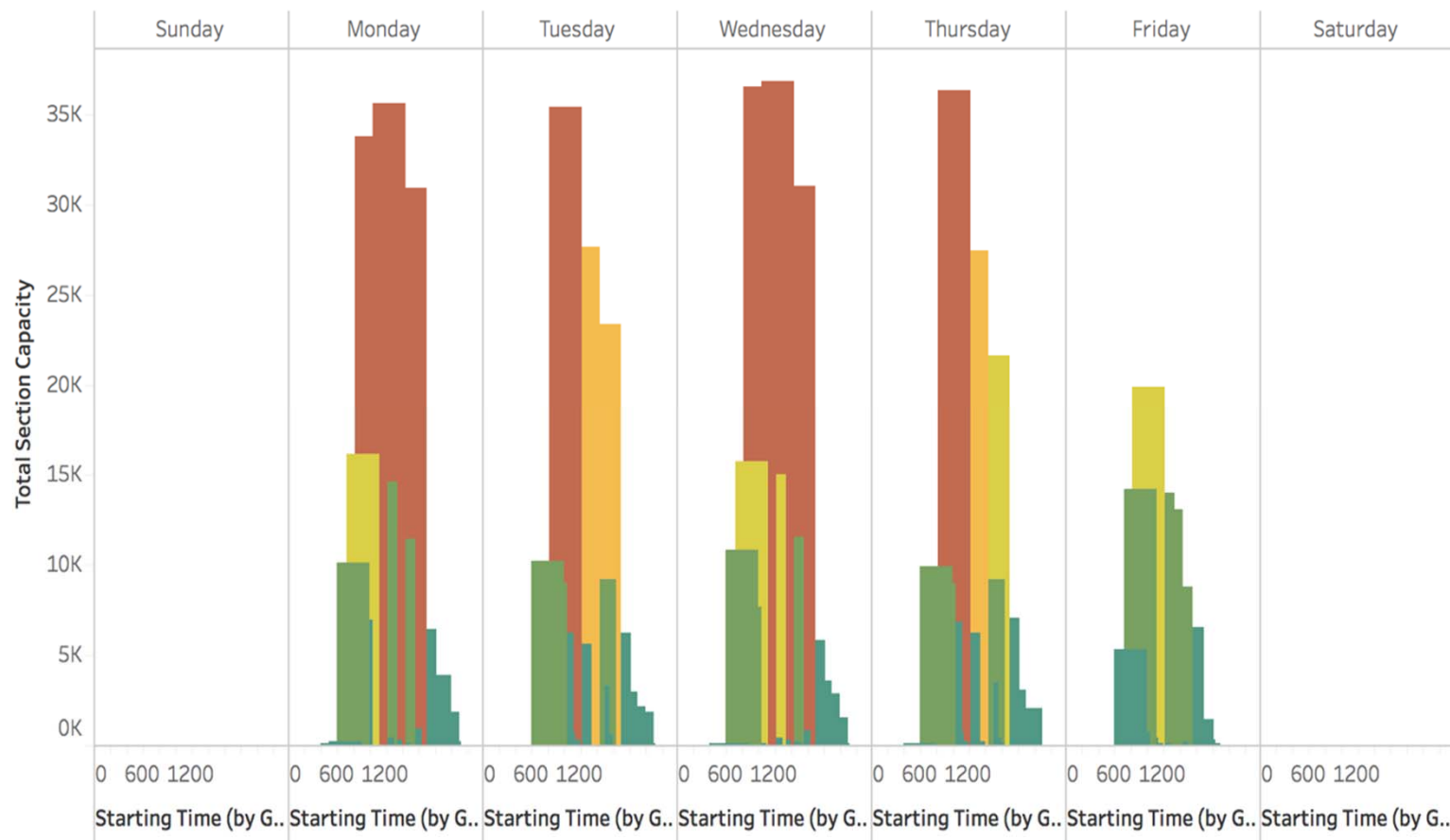
Key Mobility Survey Takeaways

- 89% of respondents drive a personal vehicle to work
- More members of the MSU community move cars for meetings than for lunch
- Face-to-face meetings contribute to campus congestion
- Current course scheduling configurations contribute to campus congestion, for faculty and students
- The traditional 8-5 work schedule contributes to campus congestion
- Supervisors not already granting flex-time are perceived as being unsupportive of potentially granting flex-time
- A culture change related to longstanding practices and perceptions of course scheduling, attending meetings, and work schedules is needed



Mobility and Course Scheduling

- An overwhelmingly large number of courses are scheduled to start between the hours of 10:20 a.m. and 3:00 p.m., especially on Mondays and Wednesdays
- 72% of scheduled seats in Fall 2017 were in classes that began within this five-hour window

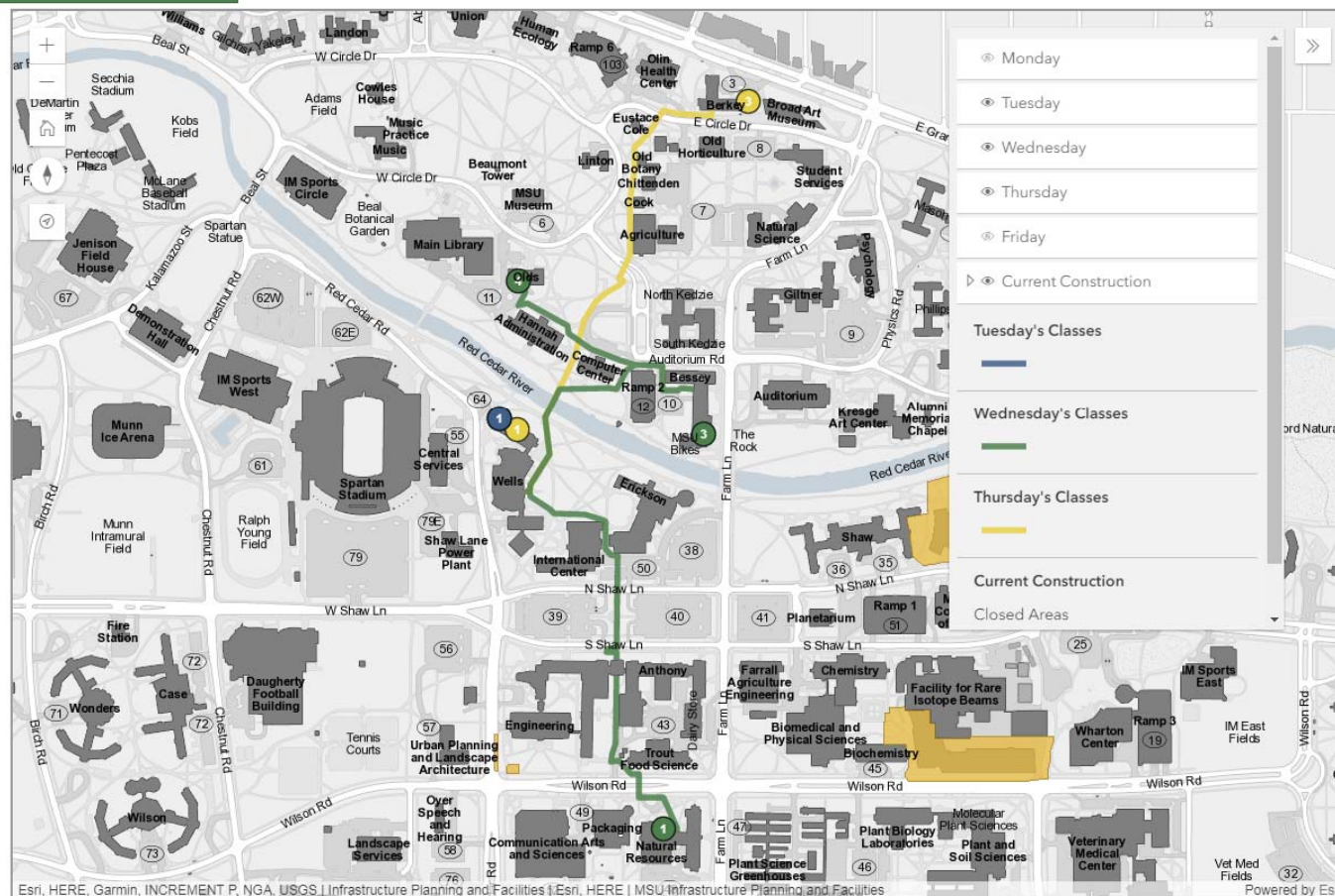


Schedule of Courses “Walking Map”

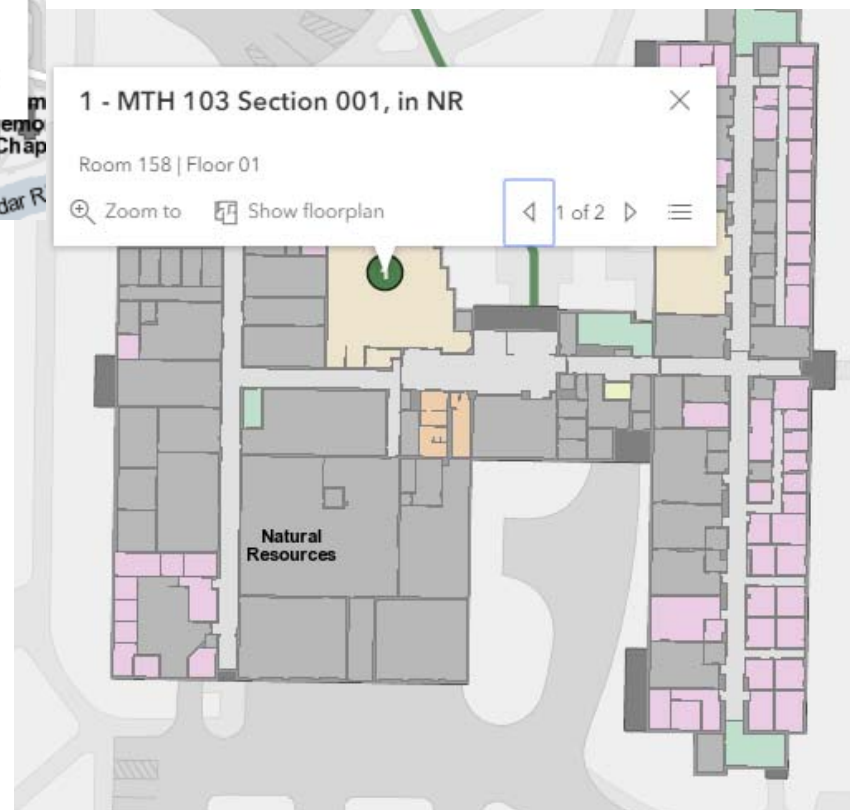
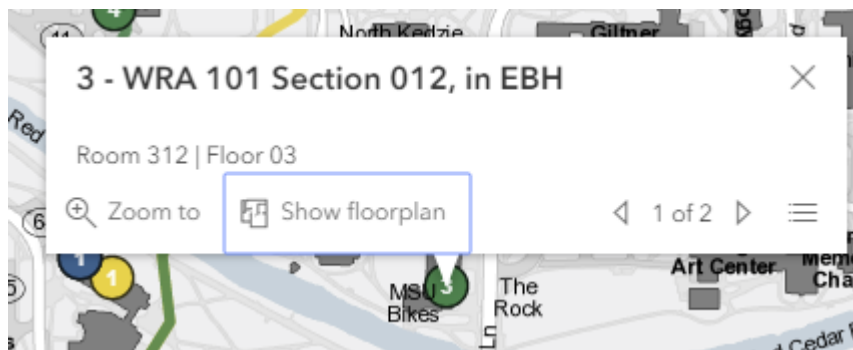
RO and IPF working together refined and enhanced the Schedule of Courses map to include many features:

☒ Use routes with accessible entrances?

[VIEW ON CAMPUS MAP](#)



Schedule of Courses “Walking Map” Location of Student’s Class



Anyone with an MSU Net ID and
password can try it:
Go to the Schedule of Courses at
<https://schedule.msu.edu/>

Mobility Issues Relevant to Student Success Efforts

- Current scheduling patterns create significant mobility issues for everyone on campus.
- The Go Green, Go 15 effort revealed the difficulties many students had in arranging workable schedules.
- APUE,RO, and OPB's Institutional Studies are working to find ways to visualize each unit's distribution of courses throughout the day and across the week.
- Pilot program is being undertaken with two colleges on scheduling high-demand courses (especially at the 100- and 200-level) to distribute more broadly throughout the week and across a larger portion of the day.
- Students are not merely moving from one class to another during this time and are likely moving on and off campus, further increasing mobility problems.
- Distributing classes more broadly throughout the day and week will improve a student's ability to scheduled classes they need and decrease campus congestion.
- Improve a student's ability to schedule courses closer to one another, alleviating the need for them to leave and return to campus.

Potential Mobility Plan Deliverables, Next Steps

- Increased use of tele-meetings and other electronic methods to connect over face-to-face meetings
- Improved use of technology to facilitate off-site work and business processes
- Improved Course Scheduling: Diversification of the schedule of courses, moving away from peak travel congestion times and support Student Success
- Increased support for and use of flex-time
- Education of supervisors and employees on rationale of and benefits related to flex-time, and ways to make flex-time work within their unit
- Staggered start and stop times outside of 8-5/peak travel times
- Incentives for carpooling, biking, walking, taking the bus to and from campus

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Questions

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