

Campus Transportation Advisory Committee (CTAC)

University of Illinois at Urbana-Champaign

Facilities & Services, December 3, 2021

Chair – Morgan White

Acting Director of Capital Programs

Associate Director of F&S for Sustainability



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Welcome!



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Agenda

- Introduction – Morgan White (5 minutes)
- F&S TDM updates – Stacey DeLorenzo and Sarthak Prasad (20 minutes)
- Vision Zero update – Sarthak Prasad (5 minutes)
- Walkability Audit FY22 presentation and discussion – Sarthak Prasad (25 minutes)
- Community Updates – Morgan White or Stacey DeLorenzo (5 minutes)



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Introduction - Members

Morgan White, chair

Staff

AC Barb Robbins
Det. Tara Hurless
Yasmin Ofiana
Zach Acton
Marty Paulins
Brent Lewis
Pete Varney
Jake Benjamin
Matt Brown
Laura Bleill
Dana Decair
Sammy Yoo
Meredith Moore

My linda Netherton
Allison Kushner

Faculty

Ray Benekohal
Bumsoo Lee
Lindsey Braun
Bill Sullivan
Shelly Zhang
Yanfeng Ouyang

Community representatives

David Happ, Champaign
Shannon Beranek, Urbana
Jay Rank, MTD
Roland White, Savoy

Rita Morocoima-Black, CCRPC

Students

Sinead Soltis
Natalie Hill
Briana Barr
Sutapa Banerjee
Avery Maloto
Pranjali Shah
Thomas Valencia
Apoorva Sethuraman
Katrina Halfaker

Stacey DeLorenzo, ex-officio

Sarthak Prasad, ex-officio



CTAC Responsibilities

- Review aspects of surface transportation on campus, including
 - pedestrian safety,
 - bicycle facilities,
 - transit,
 - automobile traffic,
 - the interaction of all modes of travel on campus
- Responsibilities include items such as:
 - Help identify needs and share information about pedestrian safety initiatives and priorities.
 - Review and make recommendations for prioritizing bicycle infrastructure, education, and enforcement on campus.
 - Provide advisory input to the Commuter Program under development.
 - Review and comment on matters relating to student, faculty, and staff transportation, when needed.



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F&S TDM Updates – Bike at Illinois

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Bike Shelter near Ikenberry Commons

- Bike Shelter – completed
 - 96 bicycle capacity
 - Side-stage (vertical) bike racks



1

Position Vertically



2

Flip Handlebars Either Up or Down for Side-by-Side



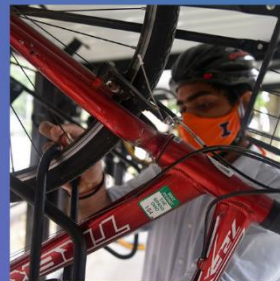
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Hang By Tire



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Secure U-Lock Through Bike and Rack



Inspiration · Innovation · Leadership · Perseverance · Agility

Bike Day – September 14, 2021

- Bike to Work Day – morning event
 - 16 locations in the Champaign county, 9 on campus
 - Record-breaking registration (952)
- Light the Night – evening event
 - 3 locations on campus
 - Installed bike lights on almost 750 bicycles
- Next year's event will be organized in September again in the same week – Bike Week 2022
- Other events too during the Bike Week 2022



Inspiration · Innovation · Leadership · Perseverance · Agility

Bike Registration and raffle

- Number of registrations so far – 1086
- Incentivizing those who register their bicycle
- Started doing monthly raffle
 - Two winners each month
 - Prizes include:
 - High-quality U-lock
 - Bike at Illinois Helmet
- Learn more about the rules and algorithm used to select winners on the [Bike Registration Raffle](#) page
- A talking point at the tabling events
- View the Raffle Winners name from the past:
<https://bike.illinois.edu/register-your-bike/bicycle-registration-raffle/previous-raffle-winners/>



F&S TDM Updates – Eco- Counters

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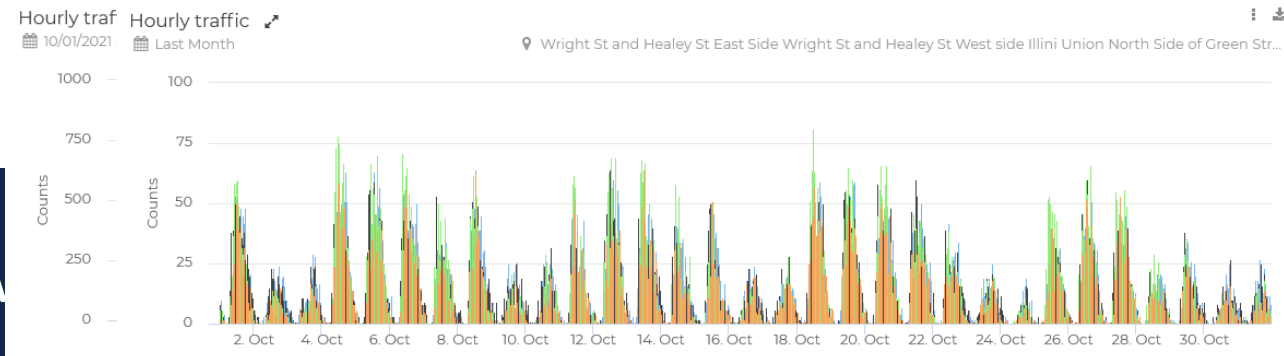
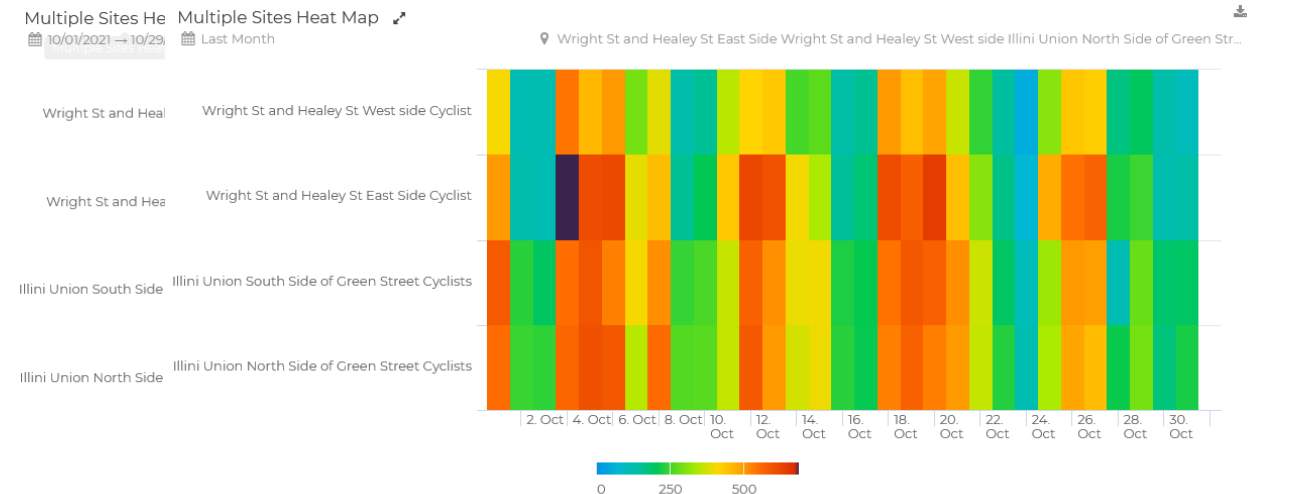
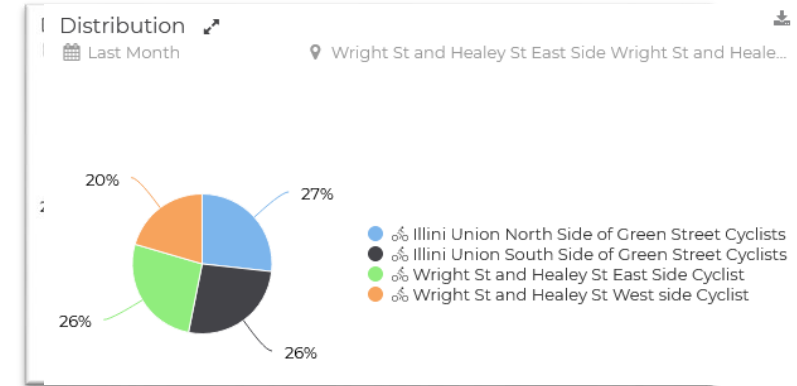


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Eco-Counter – Bike/Ped Counters

- MCORE requires us to monitor pedestrian and bicyclist traffic at 12 pre-determined corridors following the project completion
- Installed at
 - Illini Union
 - Intersection of Wright St and Healey St
- New installation expected this FY
 - Intersection of Armory Ave and Sixth St
 - Intersection of Green St and Goodwin Ave
- Future locations (funding requested)
 - Intersection of Wright St and White St
 - Intersection of Wright St and John St
 - Intersection of Fourth St and Armory Ave
- Monthly data is posted on the iCAP Portal: [Pedestrian and Bicycle Counts](#)



F&S TDM Updates – Pavement projects

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Pavement projects

- St. Mary's Road Project – substantially completed
- Goodwin Ave Extended – Completed
- Sharrows on Pennsylvania Ave (from Fourth Street all the way to Lincoln Ave), Sixth Street (from Pennsylvania Ave to Sixth St), and Peabody (between First and Fourth St)



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Vision Zero update

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Vision Zero project – Final report from Dr. Benekohal's group

- Vision Zero survey conducted in spring and fall 2020
- Dr. Benekohal's group received nearly 500 responses
 - Analyzed the data
 - Conducted 2 focus group studies
- Presented the results to F&S TDM in October 2021
 - [Vision Zero - Final report presentation by Ray and Jacob + meeting recording](#)



Vision Zero by Resilience iCAP Team

- [iCAP 2020](#) objective 8.6 is to "Support Vision Zero as a county-wide goal for safe and sustainable transportation."
- Resilience iCAP Team has worked on a discussion report and potential recommendations related to this objective
- Learn more about it on:
<https://icap.sustainability.illinois.edu/project/vision-zero>

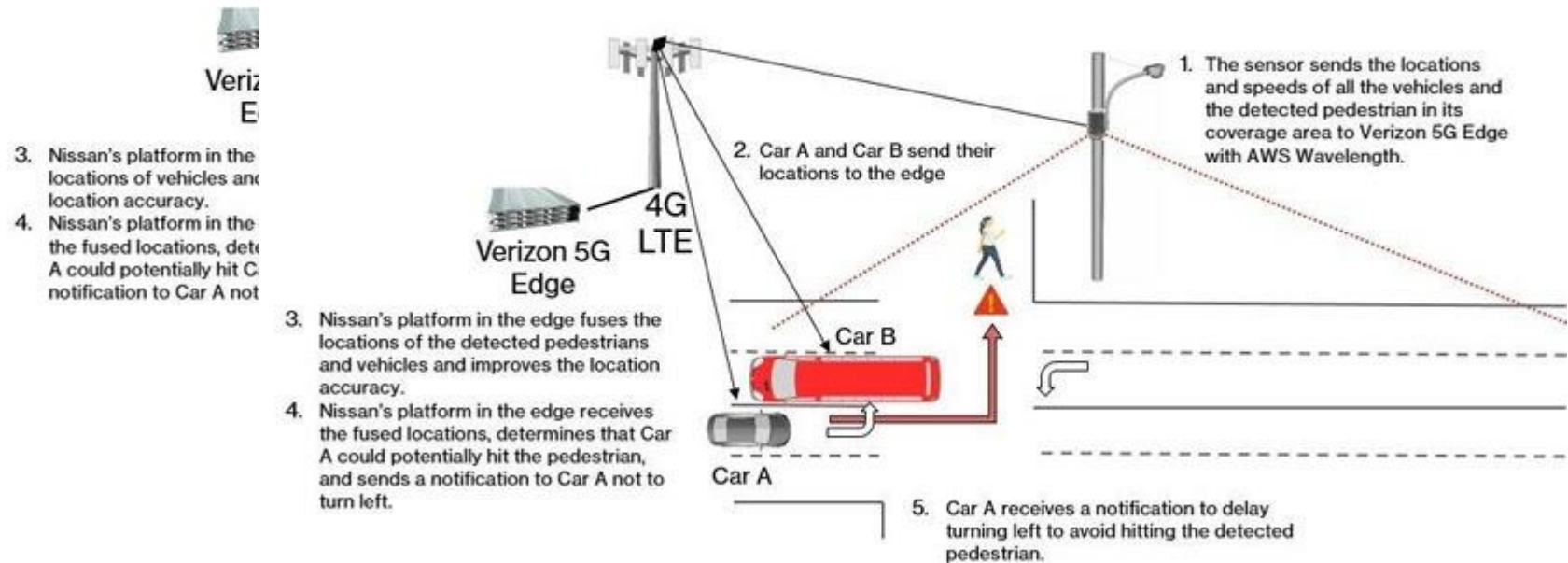


Verizon's VRSU (Virtual Road Side Unit) technology

Use Case 1 : Unprotected Left Turn

- Smart camera(s) at intersections to monitor and provide real-time feedback on unsafe movement behavior of pedestrians, bicyclists and motorists
- It uses 4G/5G data
- Video/data is not recorded anywhere

Use Case 2 : Pedestrian Unprotected Left Turn



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Walkability Audit

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Outline

- Project Description
- Current Status
- Future plans
- Discussion



Project Description

- The University of Illinois Urbana-Champaign aims to
 - increase walkability on campus;
 - increase physical activity and promote healthy lifestyles;
 - ensure the safety of those using walkways
 - make our campus 100% ADA compliant
- This project aims to assess the condition of our walking infrastructure to identify areas that are good for walking and areas that require attention
- This project will have two data collection surveys:
 - Walkability Audit survey focuses on the general walkability for a small block in the campus
 - Deficiency reporting focuses on identifying specific faults
- Volunteers will cover the sidewalk network, entrances to buildings, and ADA accessibility.
- Using ArcGIS Survey123 for data collection



Current Status

- Collaborating with several campus entities
 - A second year MUP student helping with project
- Divided the campus in 29 map blocks, and further divided them in smaller blocks (e.g. 1a, 1b, 1c, 2a, 2b, 2c,...)
- 9 teams of volunteers finishing the data collection
 - Each team consisting on 3-4 volunteers
 - 2-3 volunteers collected the general walkability audit survey for each small block
 - 1 volunteer collected the deficiency reporting survey for each small block
- Blocks completed
 - High priority = 68.75% (Deficiency Reporting); 75% (Walkability Audit)
 - Moderate priority = 80% (Deficiency Reporting); 70% (Walkability Audit)
 - Low priority = 33% (Deficiency Reporting); 67% (Walkability Audit)

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Future plans

- December 2021 – March 2022
 - Develop a scoring system for the general walkability audit survey
 - Analyze the data for both surveys
- April – May 2022
 - Finish data collection for remaining map blocks
 - Create a report with existing data
 - Create a priority list of walkways preservation and improvement projects
- May – June 2022
 - Present the findings of this study to campus and community stakeholders
 - The Campus Landscape Master Plan is currently being drafted
 - Begin planning for the development of a Campus Walking Master Plan
 - It will be based on the Campus Landscape Master Plan
 - Goal of publishing this plan in FY23



Discussion

- How can we use this data to improve the sidewalk conditions in the community?
- Show some data
- Any question, comment, suggestion?



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Community updates

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Major projects from the community

- [Florida Ave corridor study](#) – CCRPC
- Lincoln Ave – City of Urbana
 - Any update
- First St shared-use path from Curtis to Windsor – Village of Savoy
- University Ave – In progress
 - It is an IDOT project
- MTD
 - 2 Hydrogen-fuel cell buses
 - 24 Link route connecting Engineering campus to Research Park



Thank you!



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