

October 2014



Project Scope



- Develop routes/facilities to improve on-campus bicycle circulation, including reduction of conflicts with pedestrians
- Provide parking recommendations for quantity, siting, type and design
- Review programs and policies for bicycling and provide recommendations for improvement
- Assess new bike share opportunities to replace recycles upon phasing out

Bicycle Friendly University Program



- BFU designation given to applicants by the League of American Bicyclists
- BFUs fall in to four categories:
 - Bronze, Silver, Gold, Platinum
- Universities evaluated in five areas:
 - Engineering
 - Education
 - Encouragement
 - Enforcement
 - Evaluation and Planning



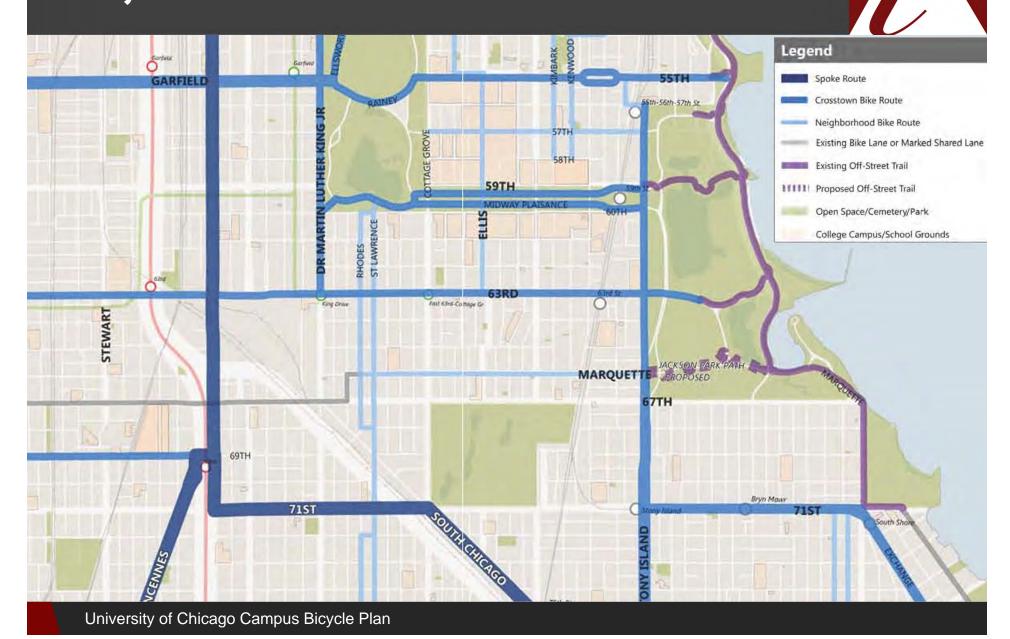
Engineering

- Creating safe and convenient places to ride and park
- Project team will assess:
 - Bicycle-pedestrian and bicycle-automobile conflict areas
 - Through campus and connecting bicycle routes
 - Parking supply, location, type





Project Context



Facility Toolkit: On and Off Street







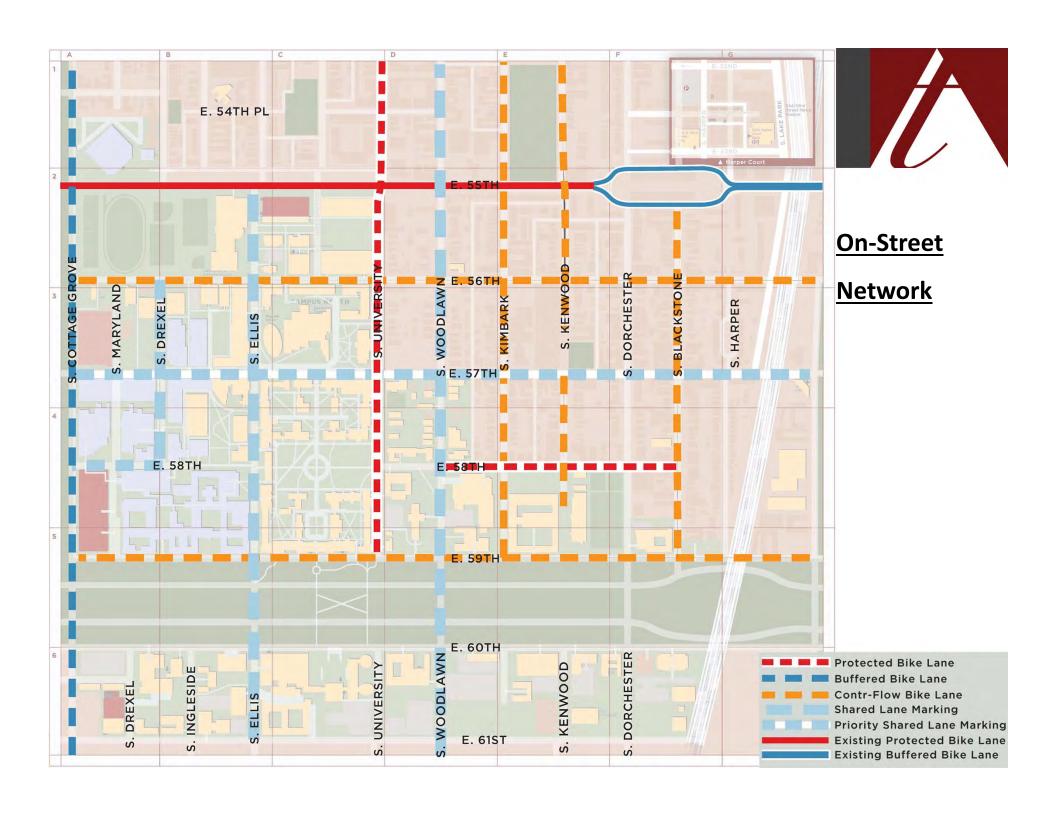




On-Street Facility Approach + Principles

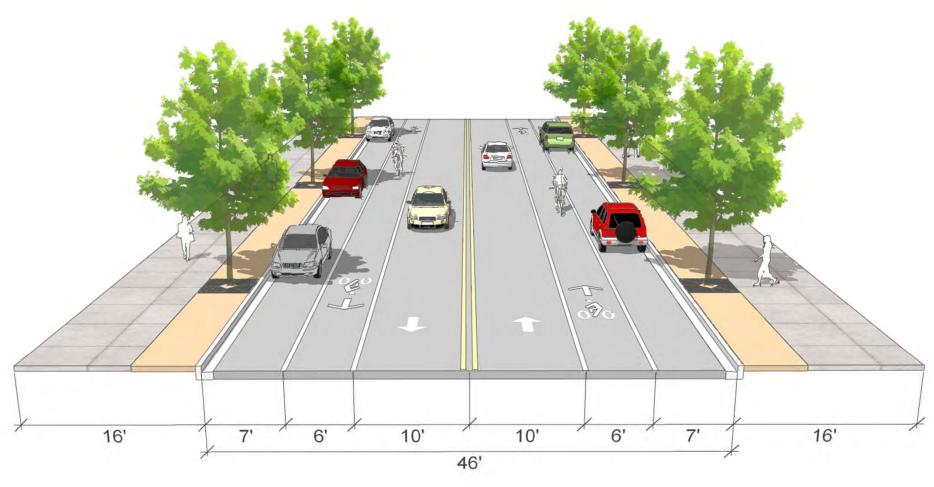


- Facilitate safe/comfortable/legal bi-directional travel
- 2. Work within existing curb lines
- 3. Narrow travel lanes to calm traffic and provide space for facilities
- 4. Provide solutions that do not preclude any future, ultimate designs for the streets
- 5. Use minimum 2' buffers, 6' bike lanes, 8' bi-directional lanes
- 6. Use parking removal as last resort



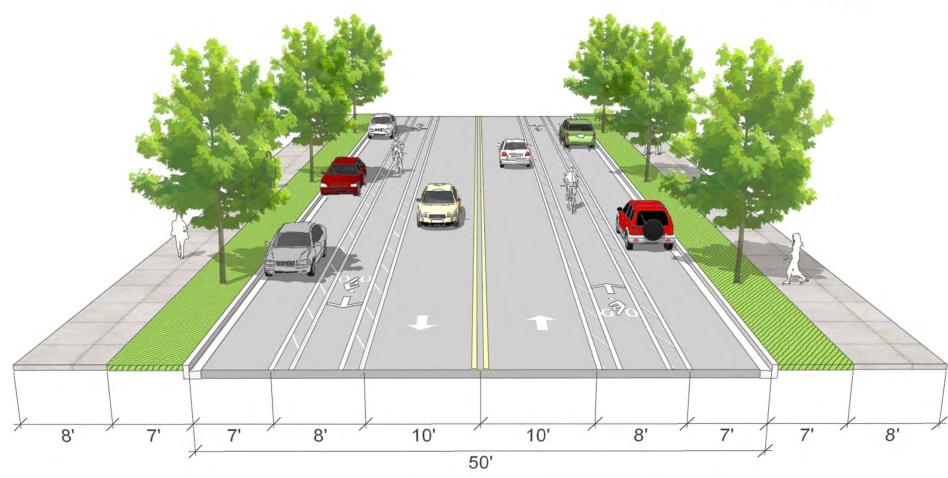


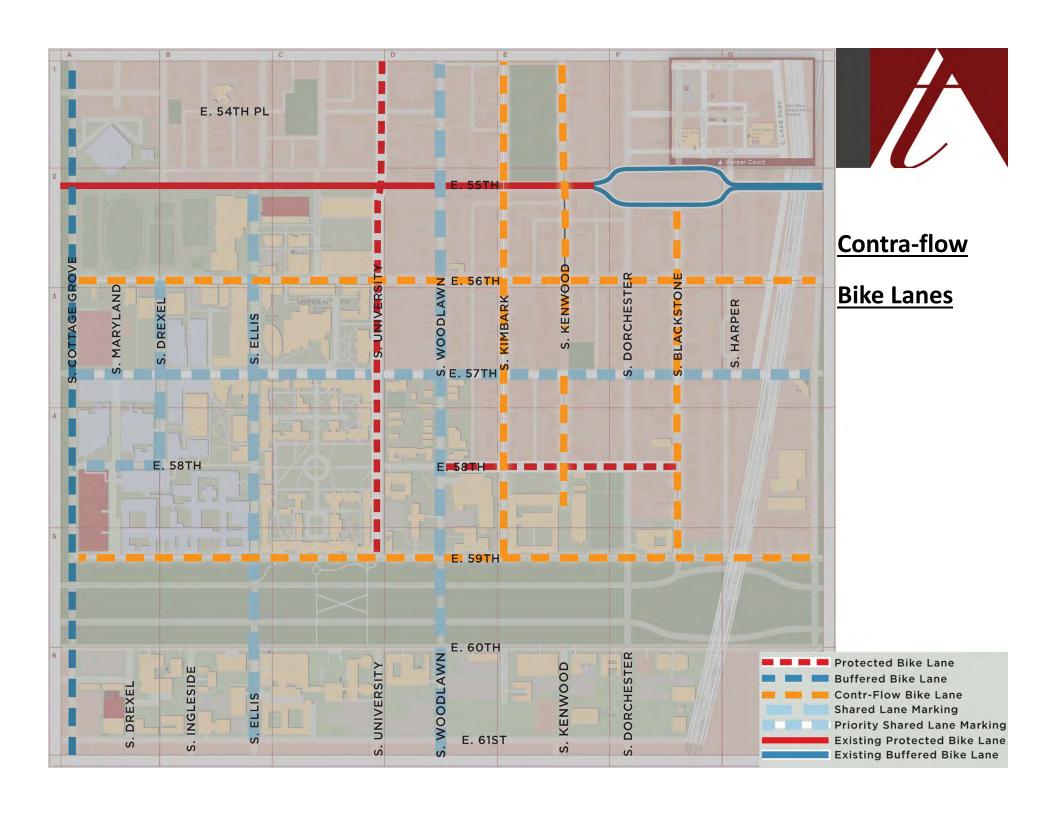
53rd Street – Proposed – Bike Lanes











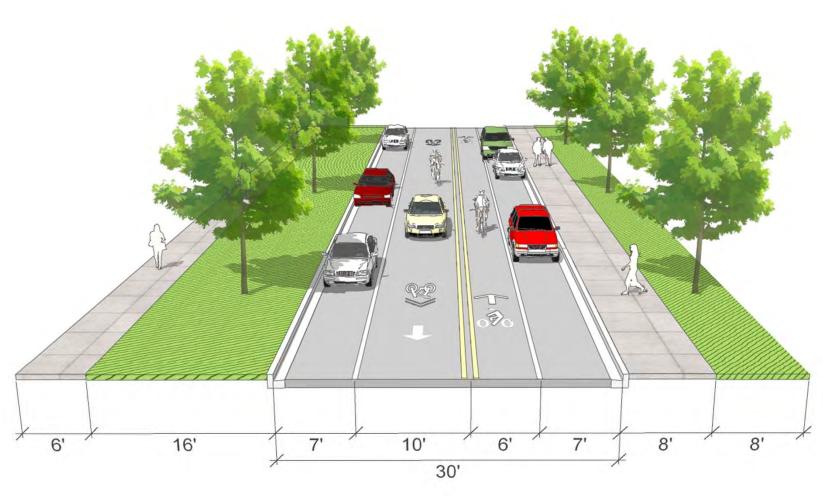
Contraflow Bike Lane



University of Chicago Campus Bicycle Plan

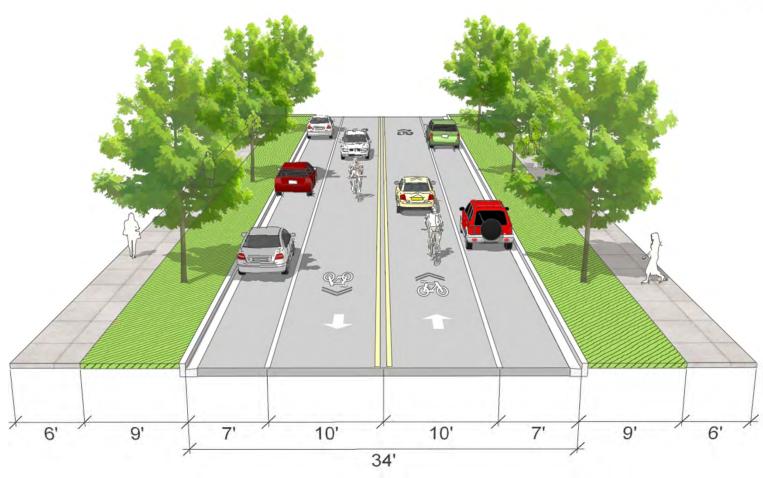
56th, 59th, Kimbark, Kenwood, Blackstone – Proposed – Contra-flow Bike Lane

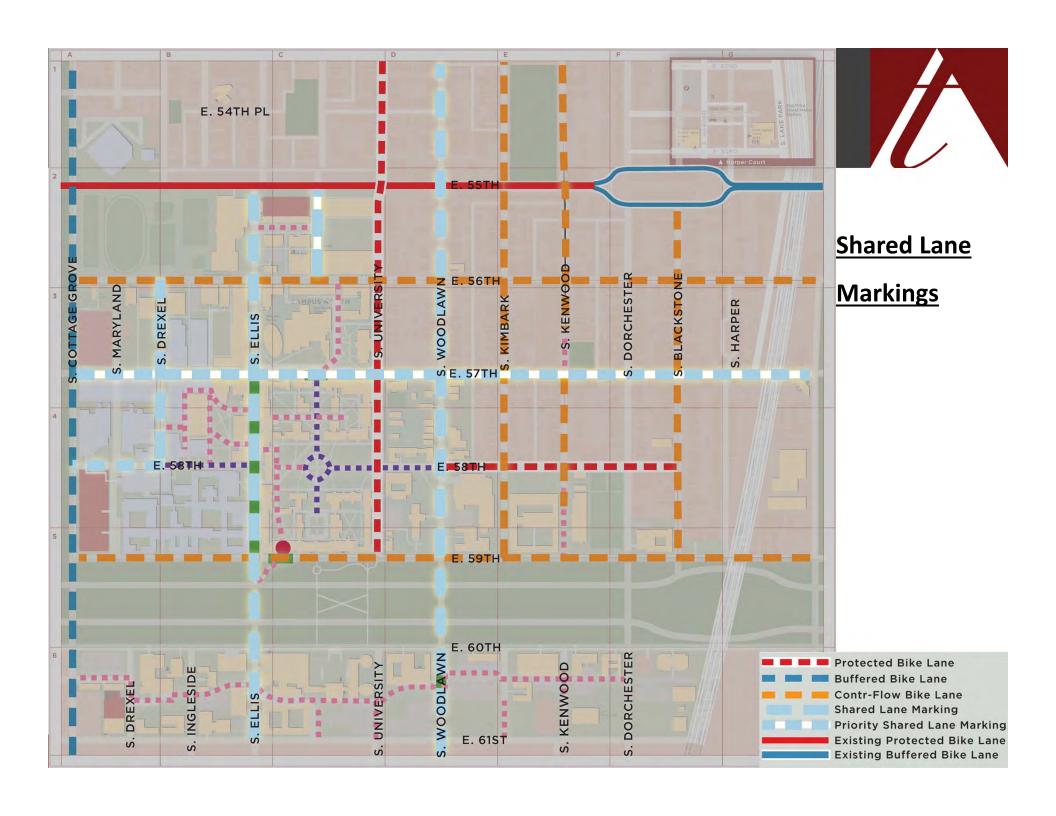




Blackstone, Kenwood and Kimbark Avenue Potential 2-way Restoration

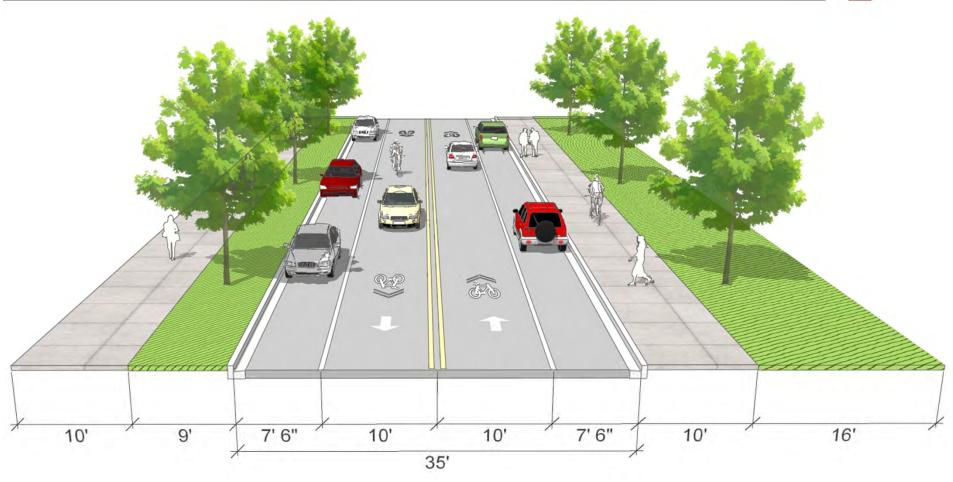






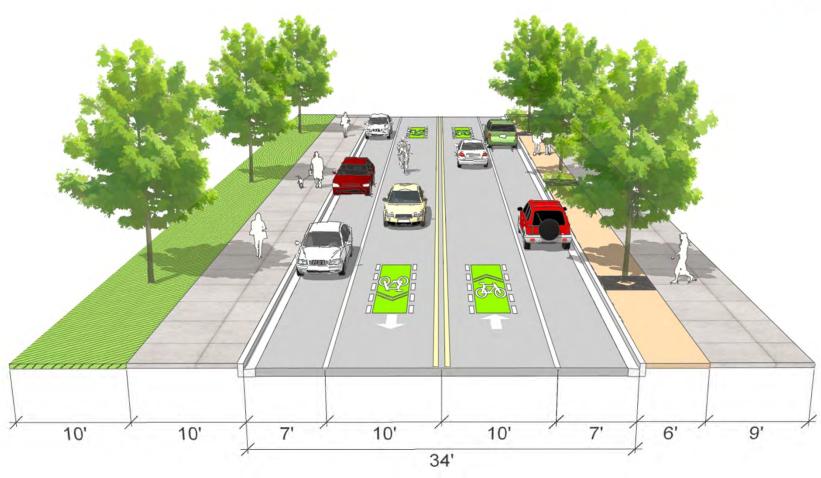
Woodlawn and Ellis - Proposed – Shared Lane Markings

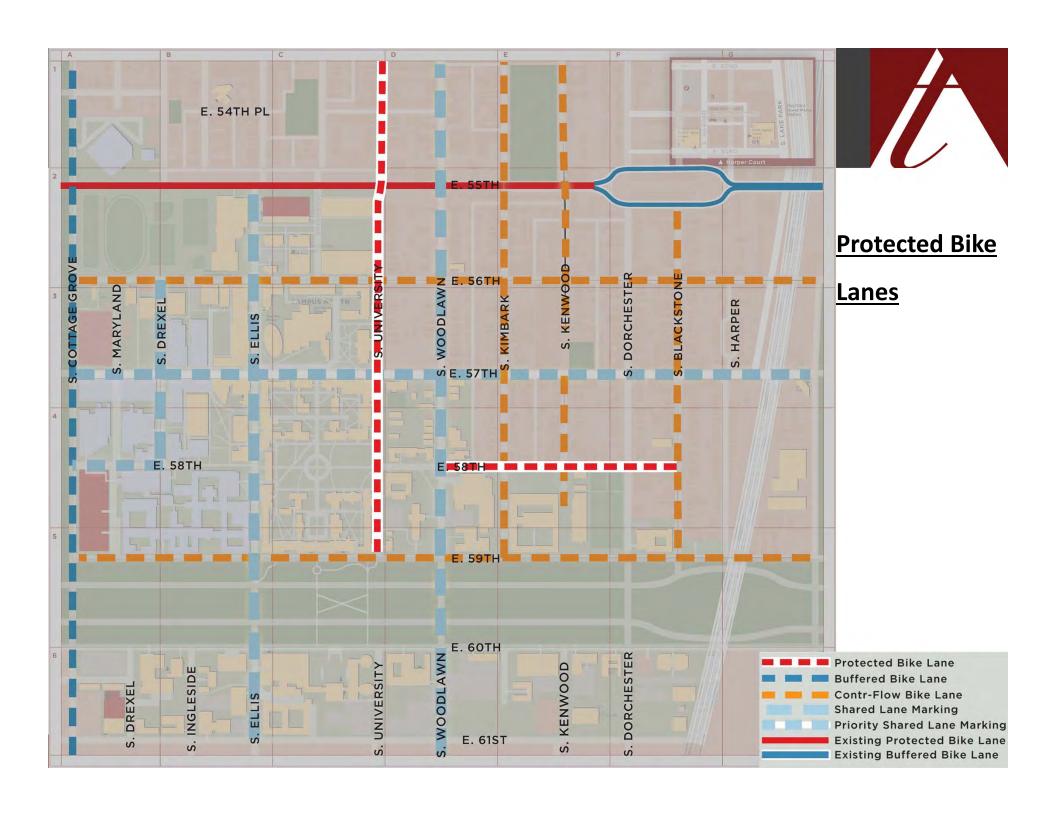




57th Street – Proposed – Priority Shared Lane Marking

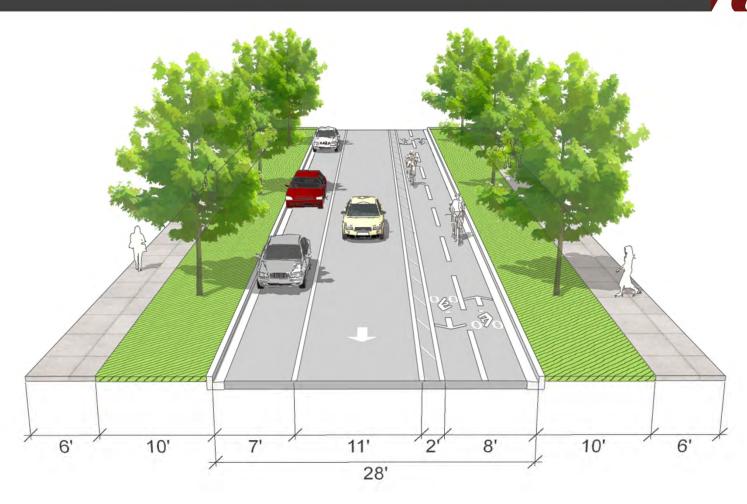






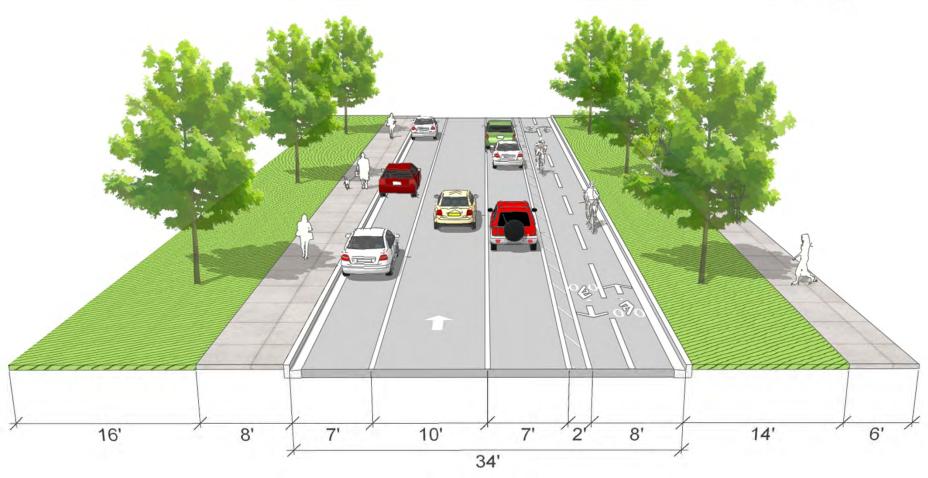


58th Street – Proposed – Buffered Bi-Directional Bike Lane



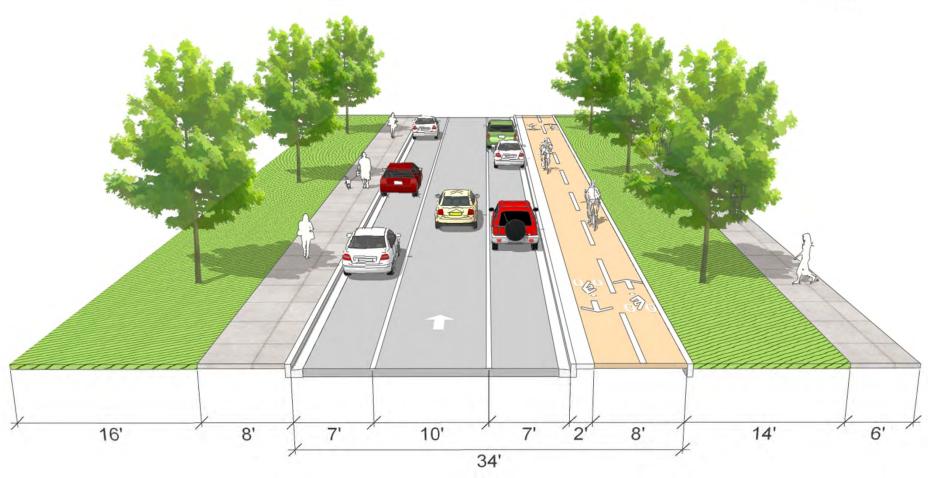
University Avenue – Proposed A – Protected Bi-Directional Bike Lane





University Avenue – Proposed B – Raised Cycle Track





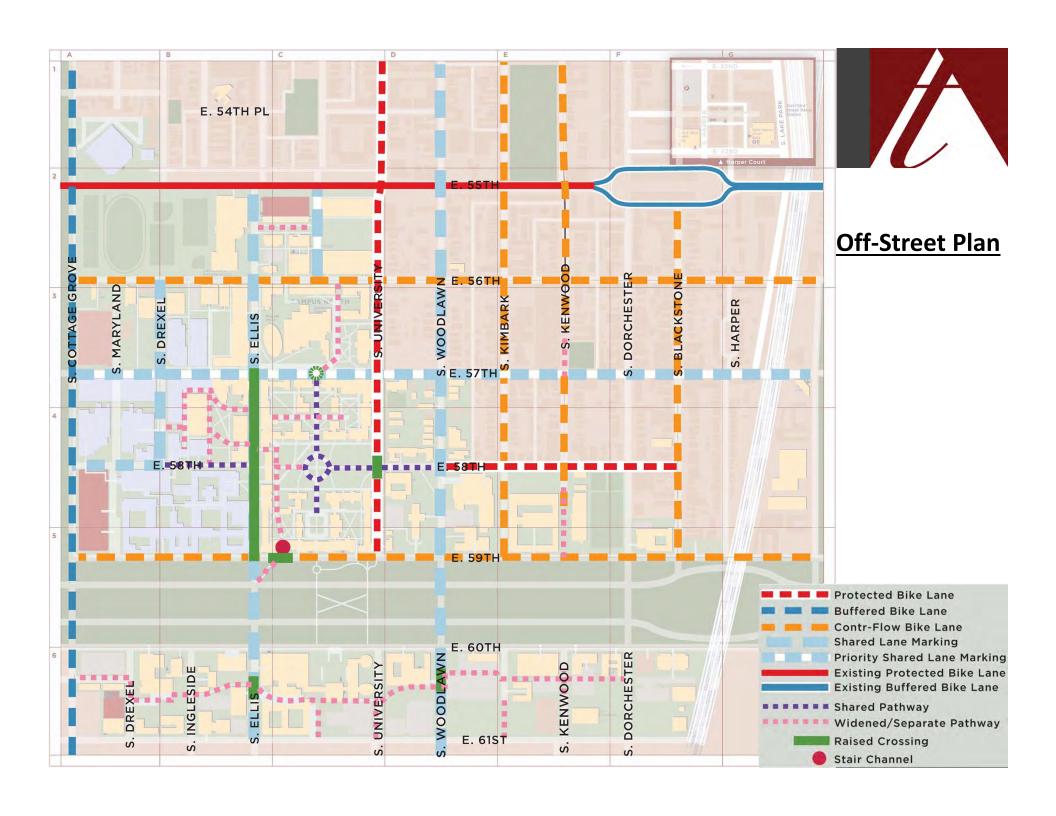
Off-Street Facility Approach + Principles



1. Routes to connect on-street facilities

2. Routes to connect major destinations

3. Locate where enough width is available to avoid conflict with pedestrians



Main Quadgrangle



University of Chicago Campus Bicycle Plan

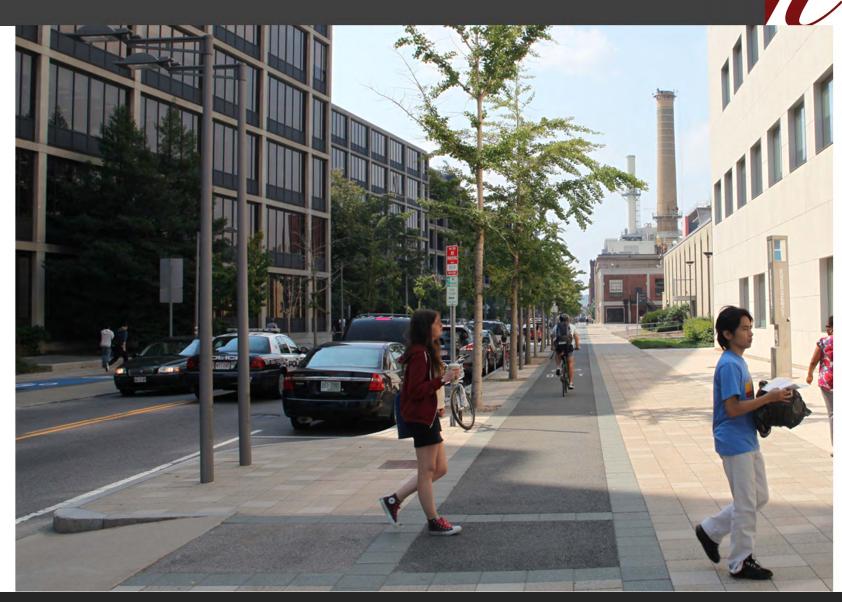
Main Quadrangle



Purdue University



MIT



Colorado State University

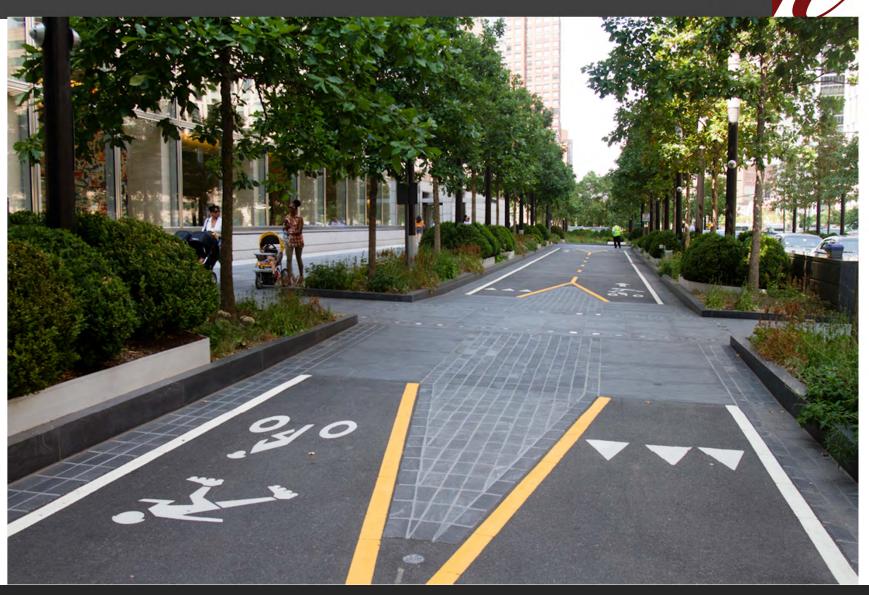


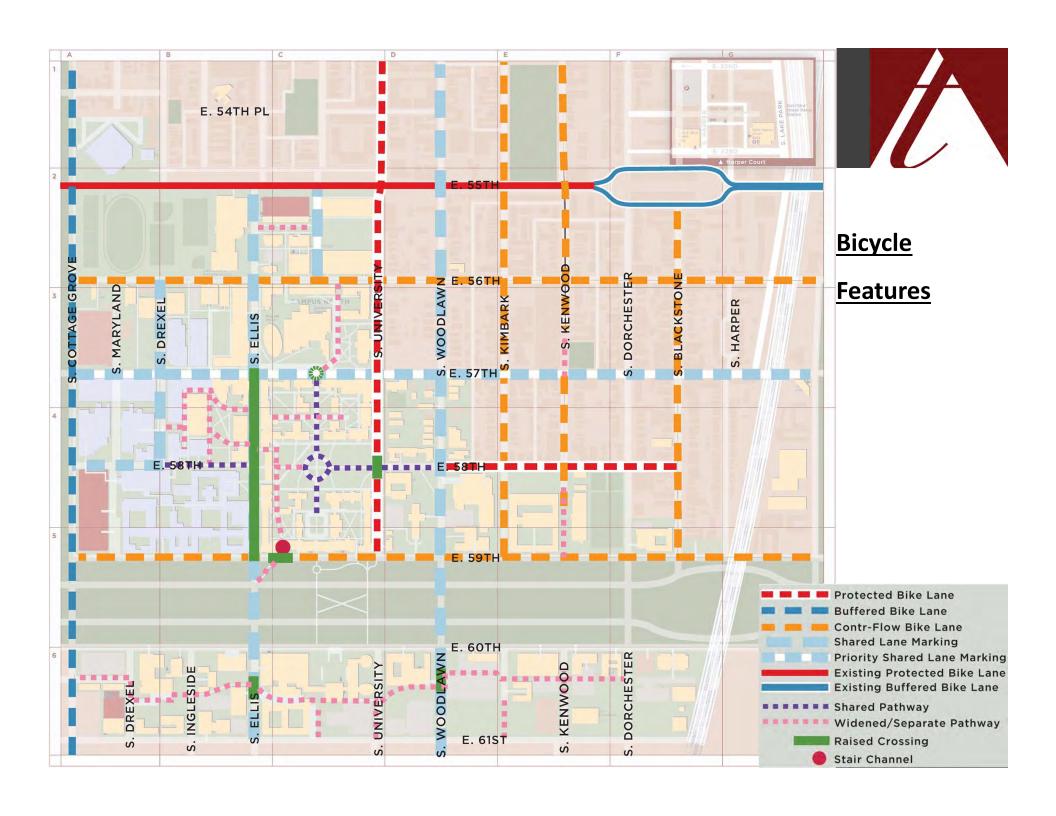
Purdue University



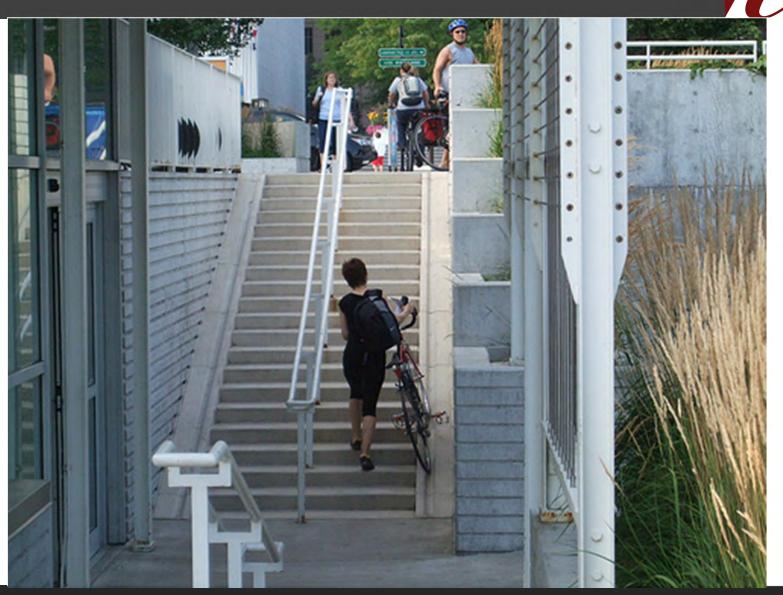
University of Chicago Campus Bicycle Plan

Hudson River Greenway, NYC





Chicago Bike Station



University of Toronto



Orlando, Fla.

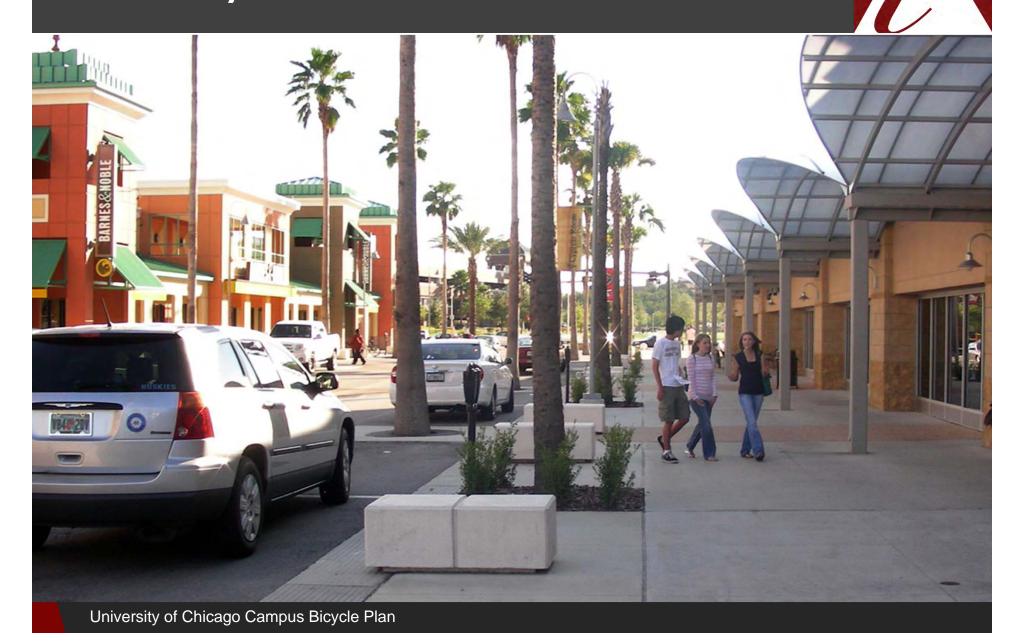


Orlando, Fla.

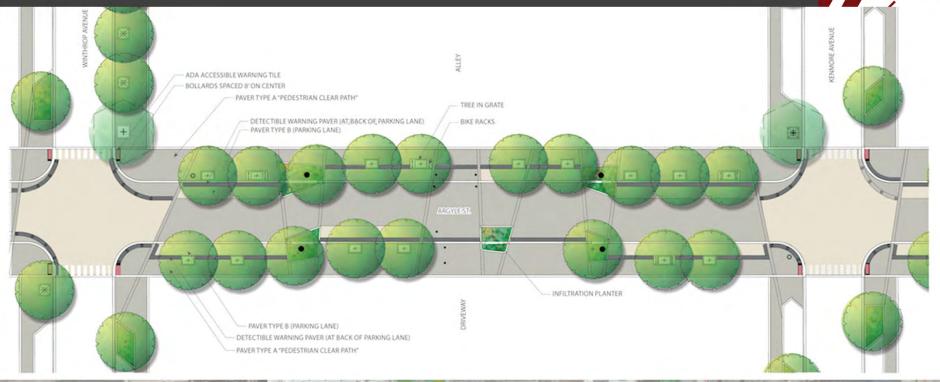


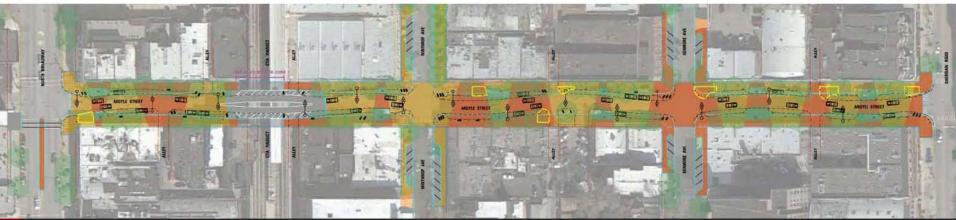
University of Chicago Campus Bicycle Plan

University of Central Florida



Argyle Street, Chicago





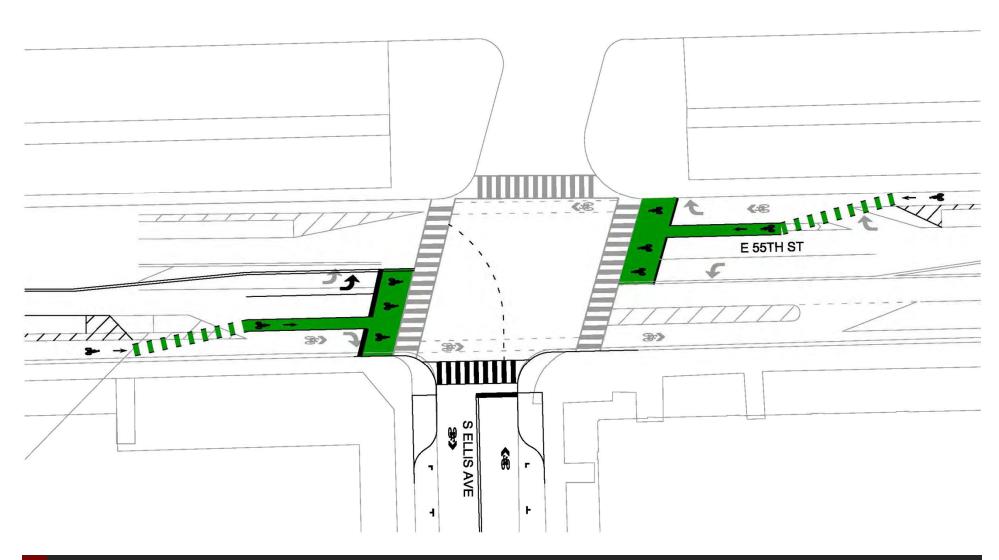
55th and Ellis: Existing Conditions



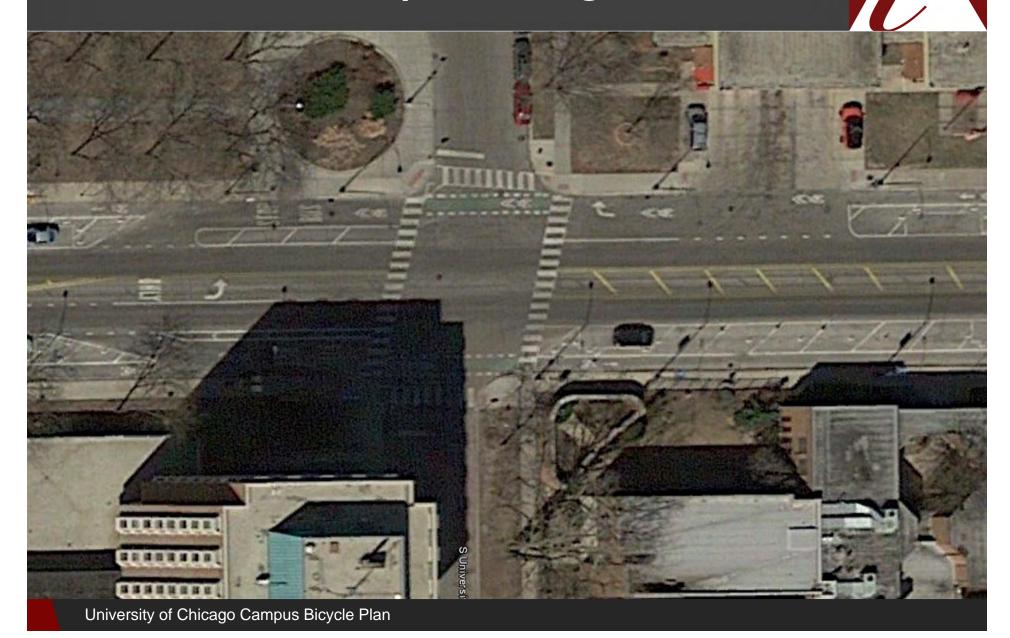
University of Chicago Campus Bicycle Plan

55th and Ellis: Proposed Design



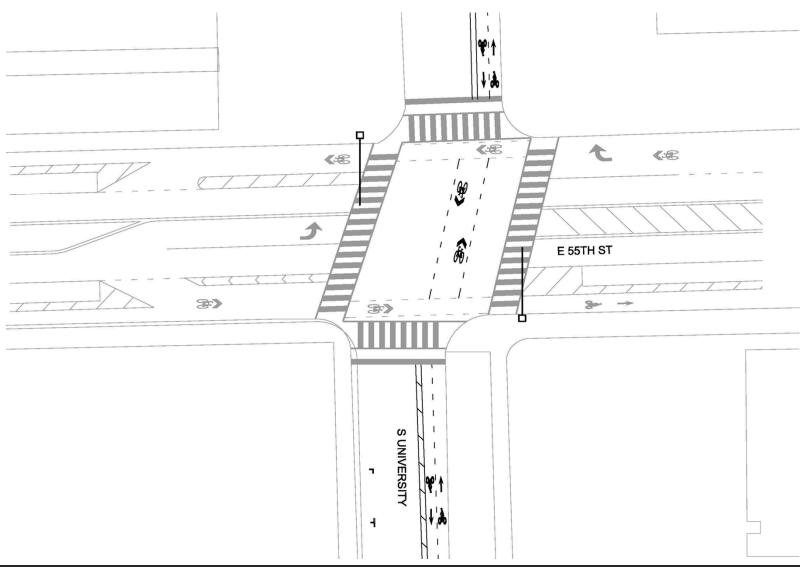


55th and University: Existing Conditions



55th and University: Proposed Design





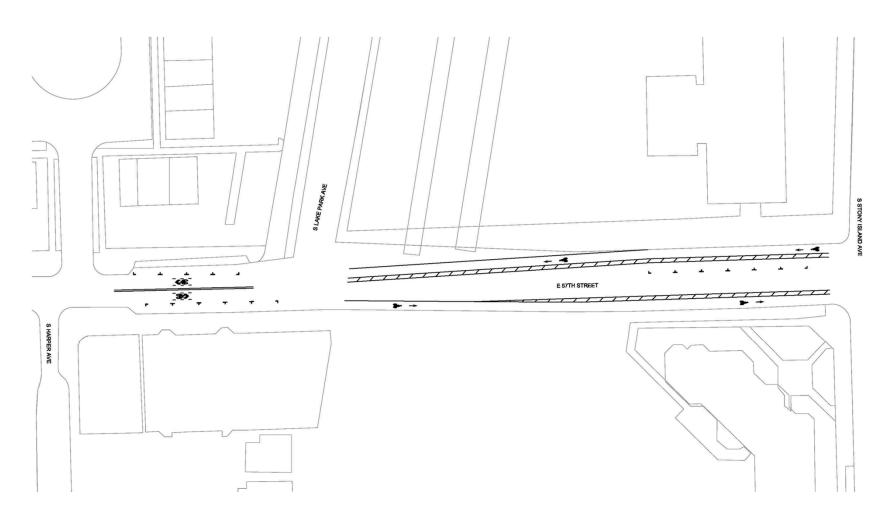
57th Street Metra Underpass

57th Street Metra Underpass



57th Street: Proposed Design





Bike Parking Needs



- Parking surveys and field visit indicate several hot spots needing more capacity
- Most bicyclists desire parking as close to destination as possible
- Current "wave" rack standard leads to damaged bicycles, lower capacity and use of poor locks



Bike Parking Type



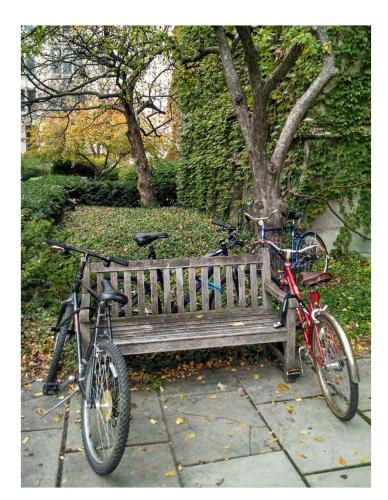
- As possible, retrofit existing parking new recommended rack types
- Use new racks for additional installations at highdemand locations



Bike Parking Location



- Add parking in high-need locations where space exists
- Add covered parking to all three parking garages and gauge interest in secure storage



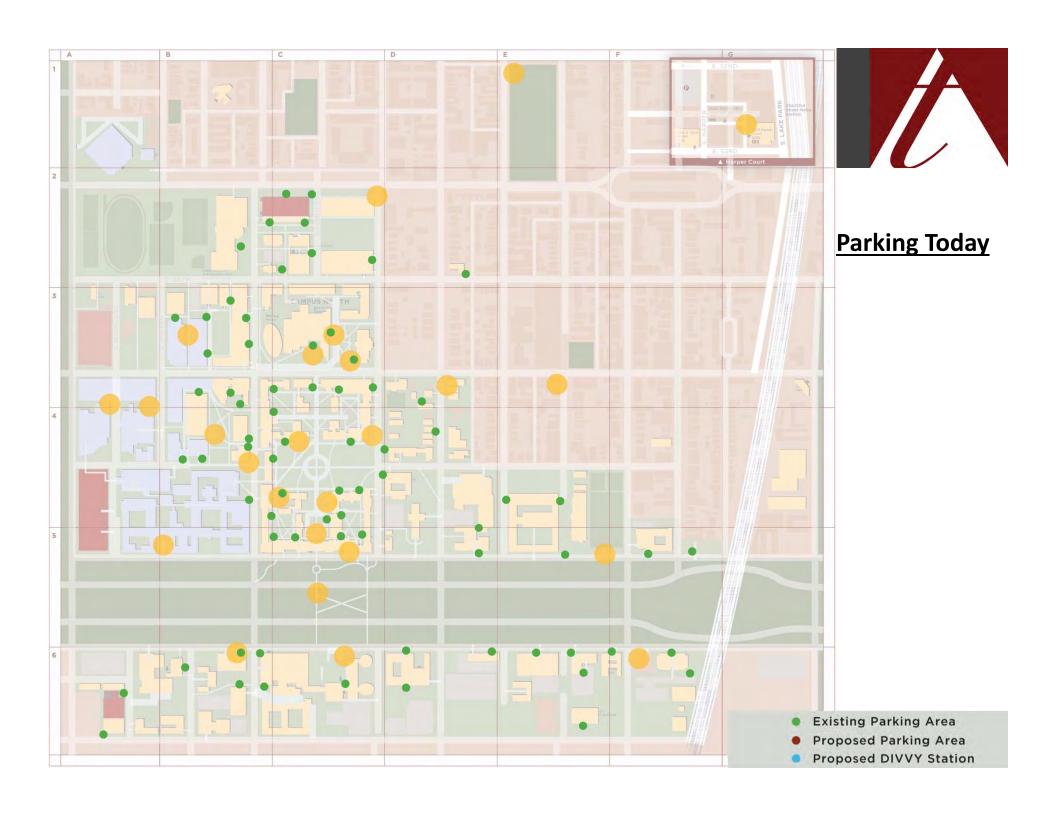
Bike Parking Location

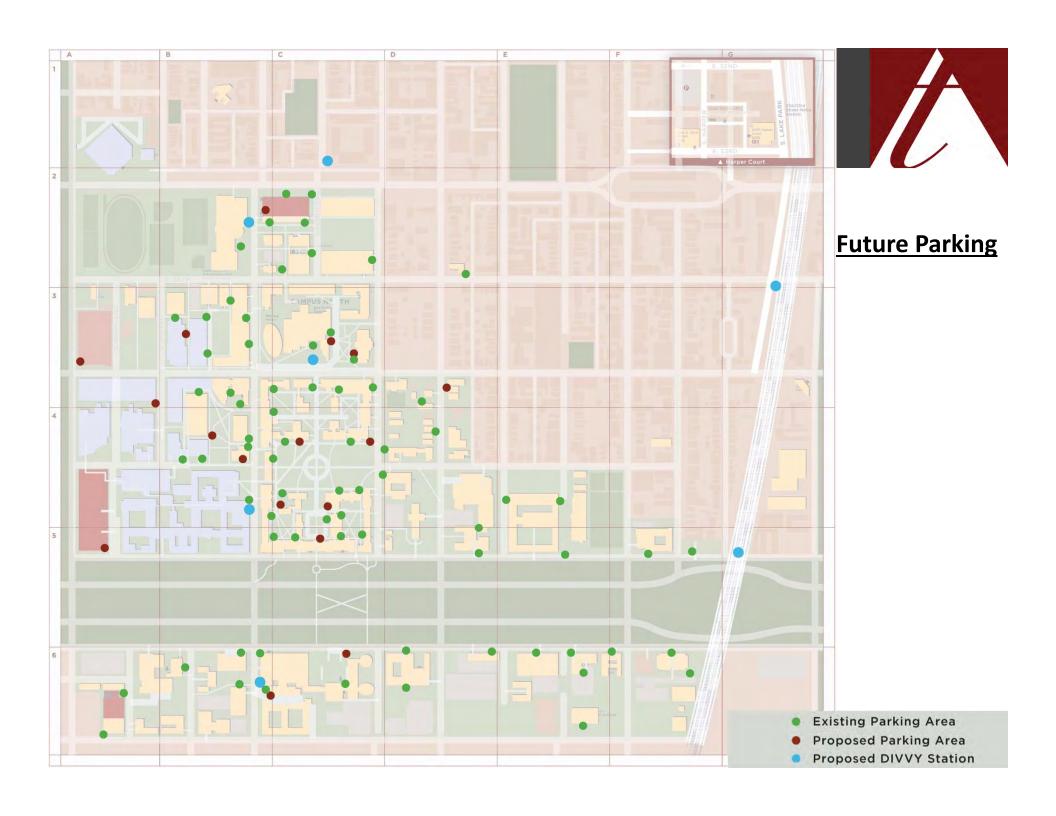


- Take advantage of existing covered spaces to add parking that is sheltered
 - E.g., Gordon Center breezeway



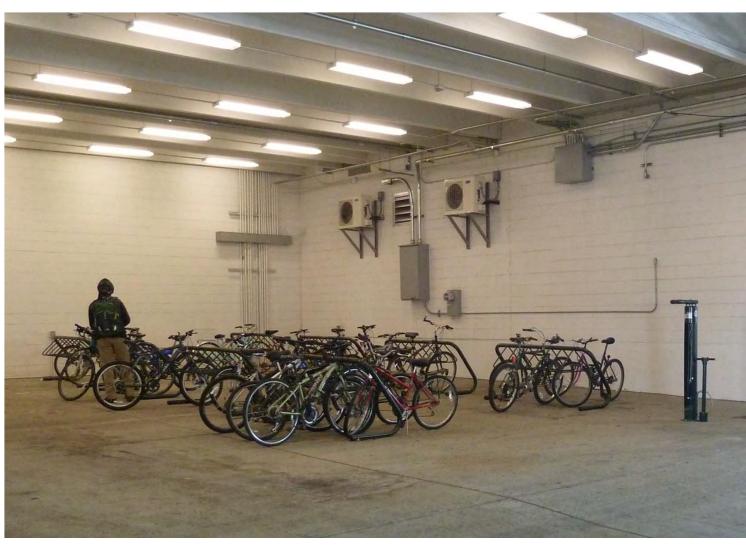






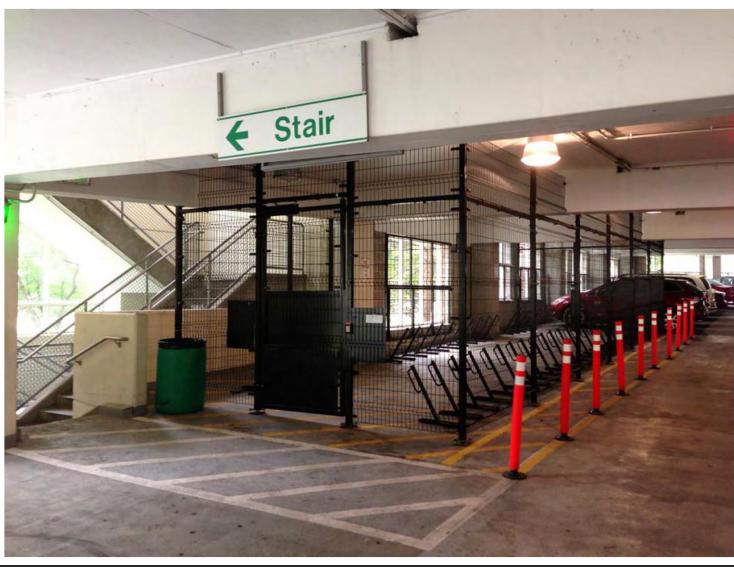
Colorado State University





Michigan State University





Harvard Law School





Education Recommendations



- Revise "Bicycles on Campus" brochure and distribute widely
- Create bicycle webpage that includes information on policies, safety, parking, locking technique
- Provide education regarding bicyclist rights and responsibilities to delivery drivers, food truck drivers, other campus visitors



Encouragement Recommendations



- Include information about biking in SAGE Ambassador training and outreach
- Hold semi-annual fun rides to encourage affiliates to explore by bike and learn traffic laws
- Continue and enhance partnership with Blackstone Bicycle Works and Divvy
- Add bicycle commuters to occasional parker program



Enforcement Recommendations



- Highlight proper use of new infrastructure that legalizes twoway riding
- Continue campaign to encourage riding in direction of traffic until two-way facilities implemented
- Create reporting system for abandoned bicycles to take burden off grounds staff



Evaluation + Planning Recommendations



- Consider bicycle
 accommodations in all future
 campus development, both
 landscape and buildings
- Update plan document as bicycling increases
- Measure metrics for transportation included in sustainability plan



Discussion questions: Network



- I. What are the top 3 locations in need of improvement for bicycles?
- 2. Can automobile parking be consolidated or removed in order to develop a comprehensive bicycle network?
- 3. Of the bicycle and pedestrian projects completed in the past few years, which do you feel has created the most benefit?
- 4. Where are 3 priority corridors or connections that should be improved in the next 5 years for bicyclists?

Discussion questions: Parking



I. Where are 3 locations that should have additional or new bicycle parking added to them?

2. Would you be more inclined to ride a bike on campus if you were provided a protected indoor parking location, even if it meant you had to walk to your destination and not park immediately outside on a rack?

Discussion question: Other "Es"



I. What's the best way to reach the student (undergraduate and graduate) audience with bike info? Staff and Faculty?

Questions and Answers







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