

Circle-Heights Bicycle Network Plan and Missing Links Transportation Study

Public Meeting #1



Cleveland Museum of Natural History
Cleveland, Ohio

April 18, 2012



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Project Team



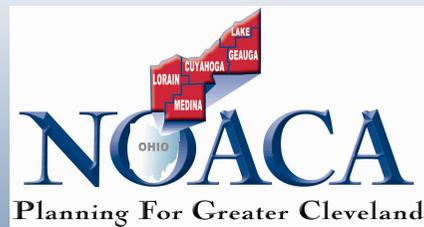
UNIVERSITY
CIRCLE INC

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CLEVELAND HEIGHTS

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Overview of Projects

Circle-Heights Bicycle Network Plan

Purpose:

Develop a plan for a bicycle that will better connect University Circle and Cleveland Heights and the adjacent communities to support mode shift.

Goals:

- Connect destinations with safe and convenient bikeways
- Establish bikeways that serve a variety of riders and skill levels (trails, bike lanes, sharrows)
- Integrate support amenities (bike parking, bike sharing...)
- Connect to alternate modes
- Incorporate existing and planned bikeways
- Implementation strategy



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Overview of Projects

Missing Links Transportation Study

Purpose:

Enhance services and facilities to support mode shift away from auto travel between Cleveland Heights and the greater University Circle area, with a focus on enhanced transit service.

Goals:

- Identify opportunities for mode shift
- Provide comprehensive transit service
- Complete streets enhancements
 - Mayfield/Kenilworth
 - Edgehill/Overlook



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Overview of Projects

Circle-Heights Bicycle Network Plan & Missing Links Transportation Study

Desired Outcomes:

- Facilitate alternate mode travel between Cleveland Heights, University Circle, and the adjacent communities
- Encourage mode shift away from auto travel



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Working Group & Steering Committee

WORKING GROUP

City of Cleveland-Planning
City of Cleveland-Traffic Engineering
City of Cleveland Heights
City of East Cleveland
City of Shaker Heights
GCRTA
Heights Bicycle Coalition
NOACA
University Circle Inc.

- Project development
- Oversight and guidance
- Decision-making
- Internal agency coordination
- Focus group involvement

STEERING COMMITTEE

Bike Cleveland
Case Western Reserve University
City of Cleveland-Planning
City of Cleveland-Traffic Engineering
City of Cleveland Heights
City of East Cleveland
City of Shaker Heights
Cleveland Clinic Foundation
Cuyahoga County Planning
GreenCityBlueLake Institute
GCRTA
Heights Bicycle Coalition
Little Italy Redevelopment Corp.
NOACA
ODOT
University Circle Inc.
University Hospitals



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Public Involvement

GET INVOLVED!

- Thoughts & ideas
- Understanding of study area
 - Issues
 - Concerns
 - What works, what doesn't
- Feedback

PUBLIC MEETINGS

April 17th – Cleveland Heights

April 18th – University Circle

ON-LINE SURVEY

Active April 16-May 15th



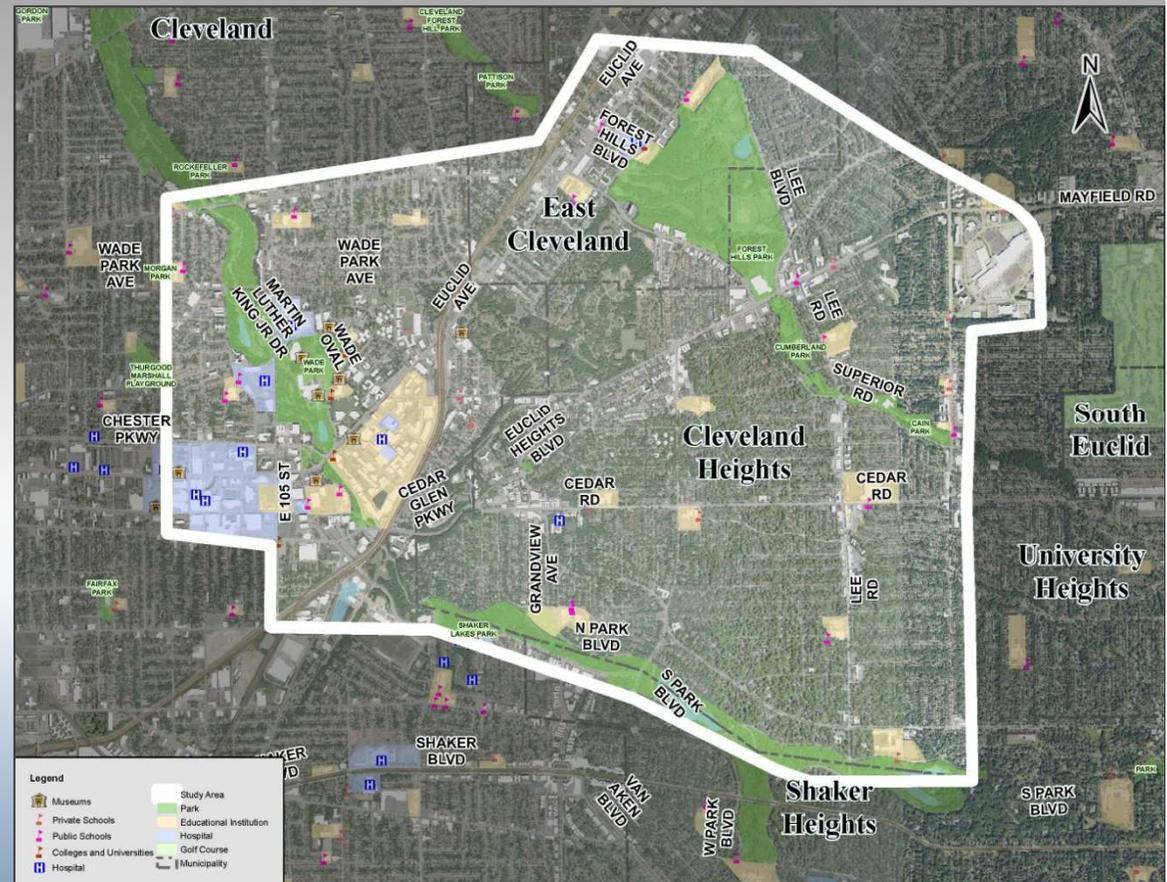
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Public Meeting #1

1. Introduction of Projects
2. Existing Conditions
 - Transit
 - Bikeways
3. Transit
4. Bikeway Corridors
5. On-Line Survey
6. Next Steps



Study Area



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Existing Conditions

October 19, 2011
Field View/Bike Ride



Existing Conditions

- Facilities and features
- Bicycle and pedestrian facilities and challenges
 - Mixing with vehicular traffic
 - Lack of identified bicycle facilities
 - The big hill



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Existing Conditions

- Transit services
 - RTA
 - Red, Blue and Green rail lines
 - Bus routes (7, 8, 9, 10, 32, 37, 38, 40, 48/48A, 58, HealthLine)
 - Circle Link and other University Circle area shuttles
 - Cleveland Clinic parking shuttles

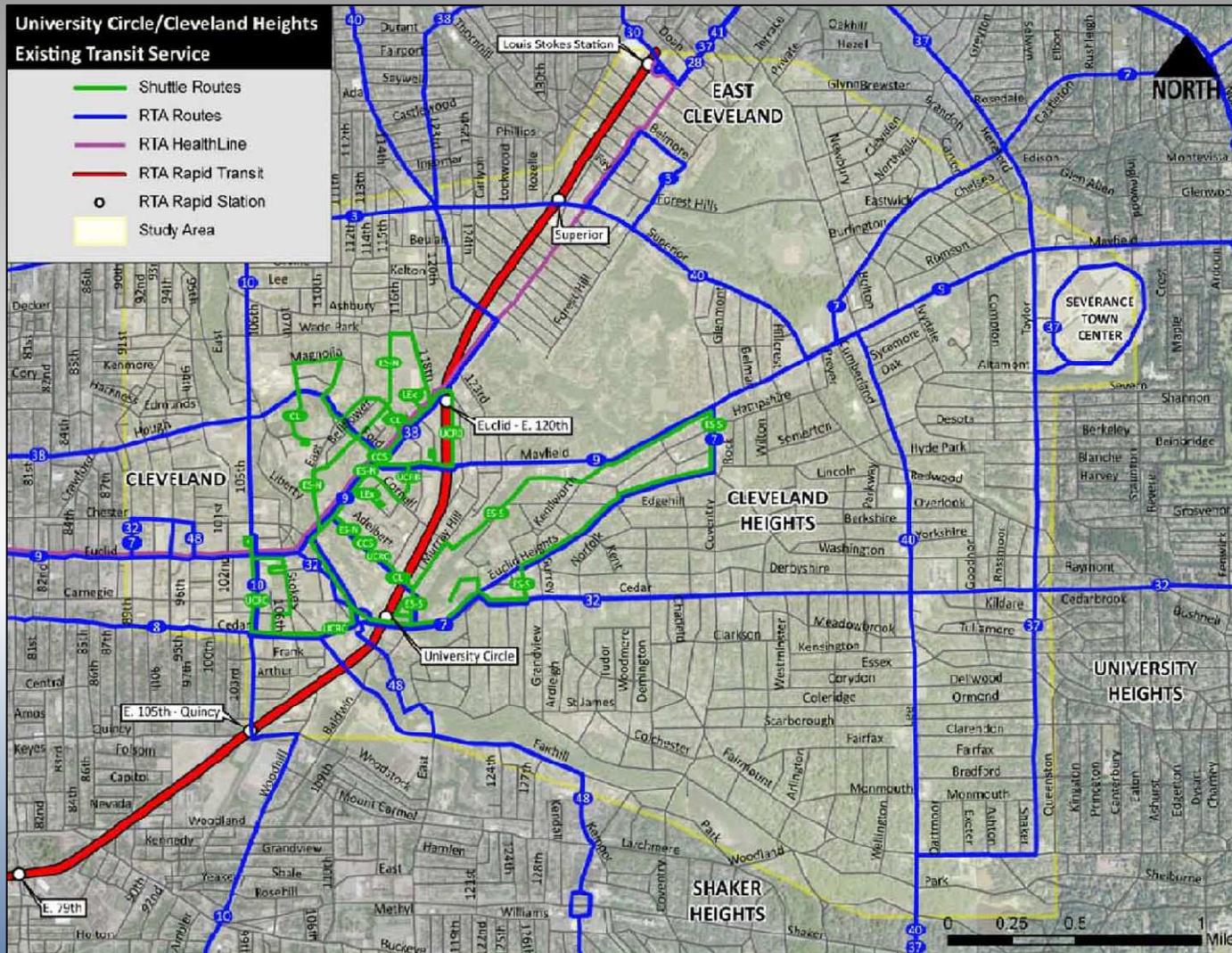


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Existing Conditions - Transit



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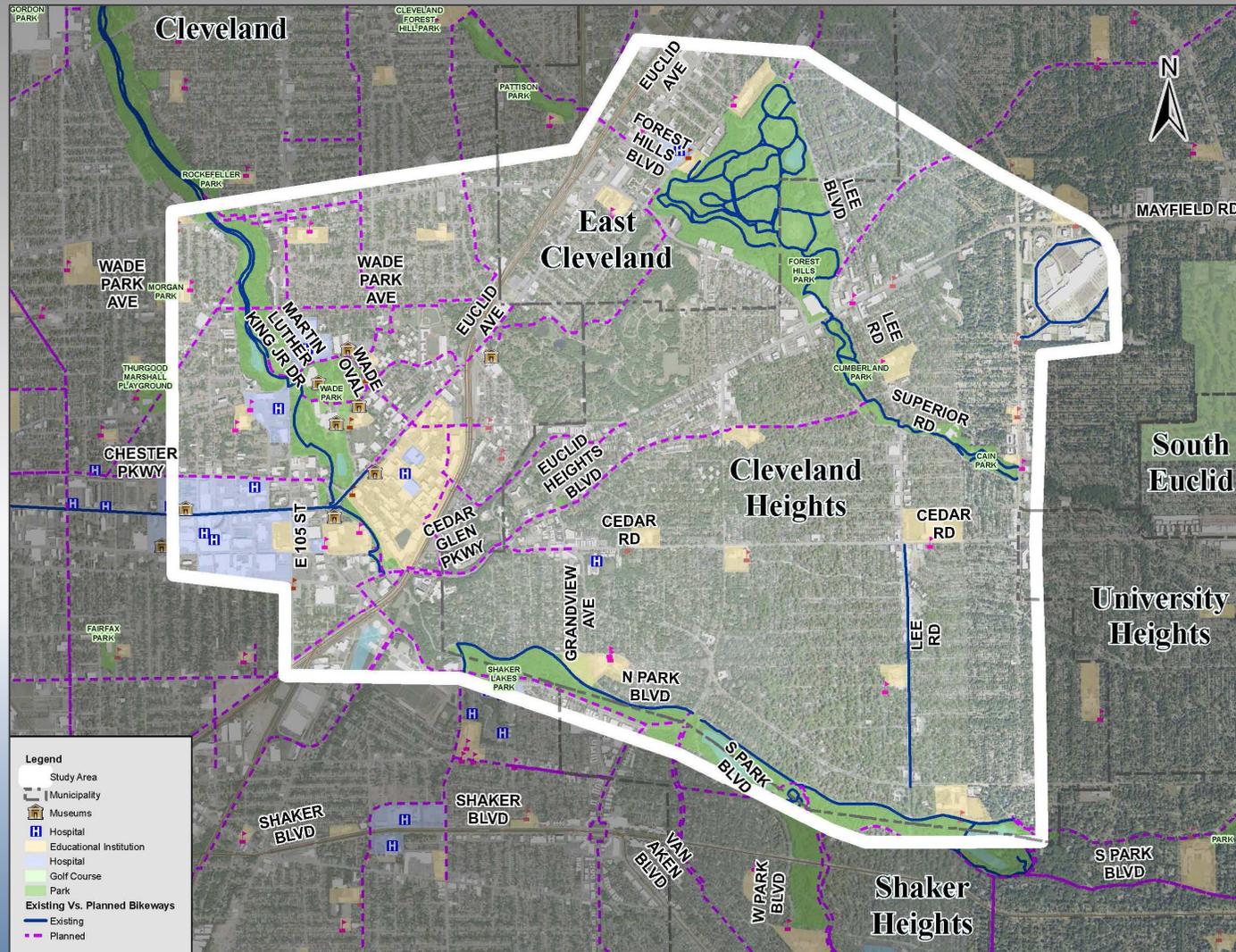


Transit

- Upcoming Tasks
 - Develop concepts and assess feasibility
 - Consider collaborative trolley service
 - Other concepts to enhance transit service
 - Engage transit agencies and organizations
 - Potential routes
- Transit Focus Group
 - Working Group members
 - GCRTA
 - CWRU
 - Standard Parking
 - Cleveland Clinic
 - University Hospitals
 - Student User Groups
 - Security (UCPD, CHPD, RTA transit police)



Existing Conditions - Bikeways

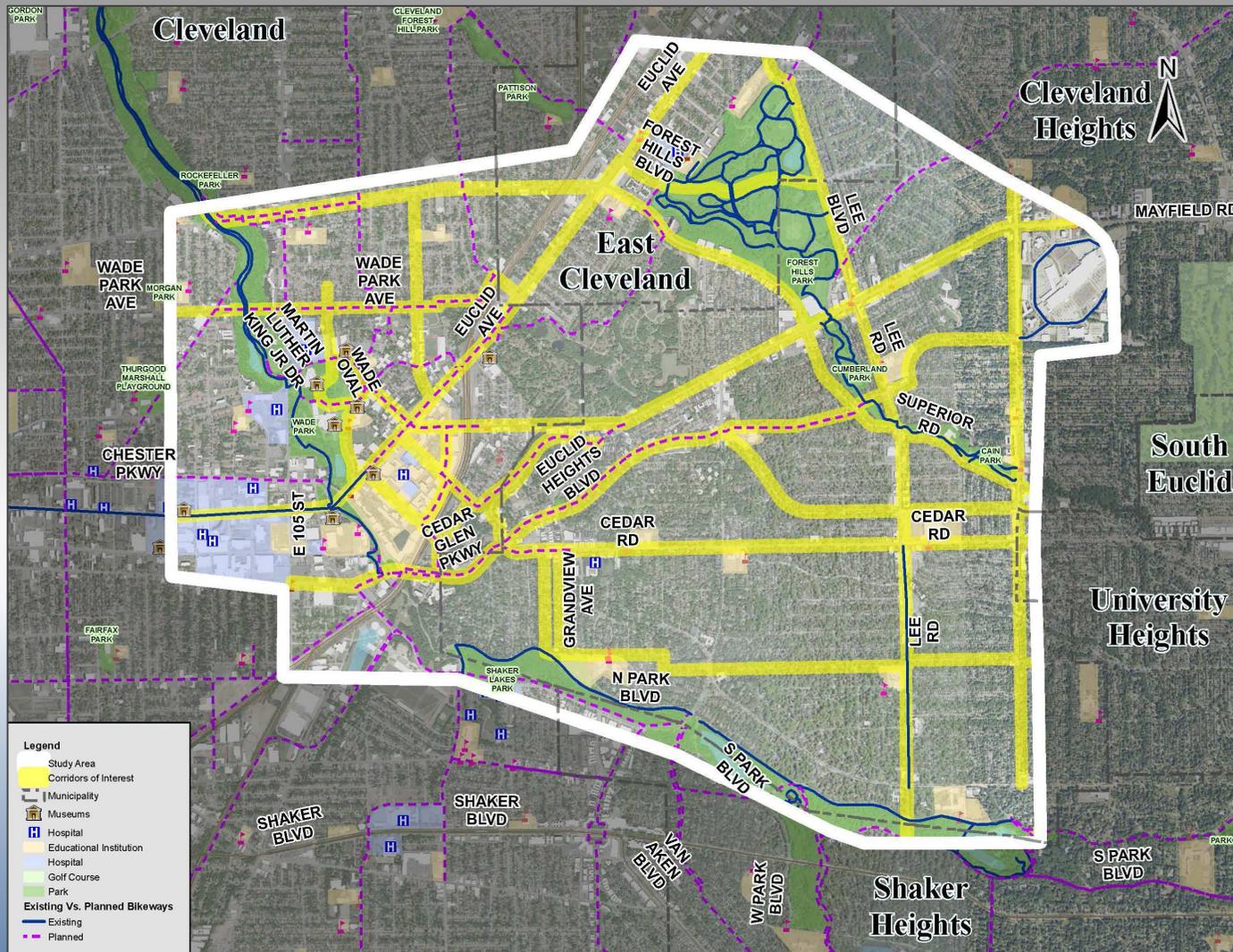


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Bikeway Corridors



Bicycle Facilities

Design Standards and Guides

User Groups

Bike Lanes

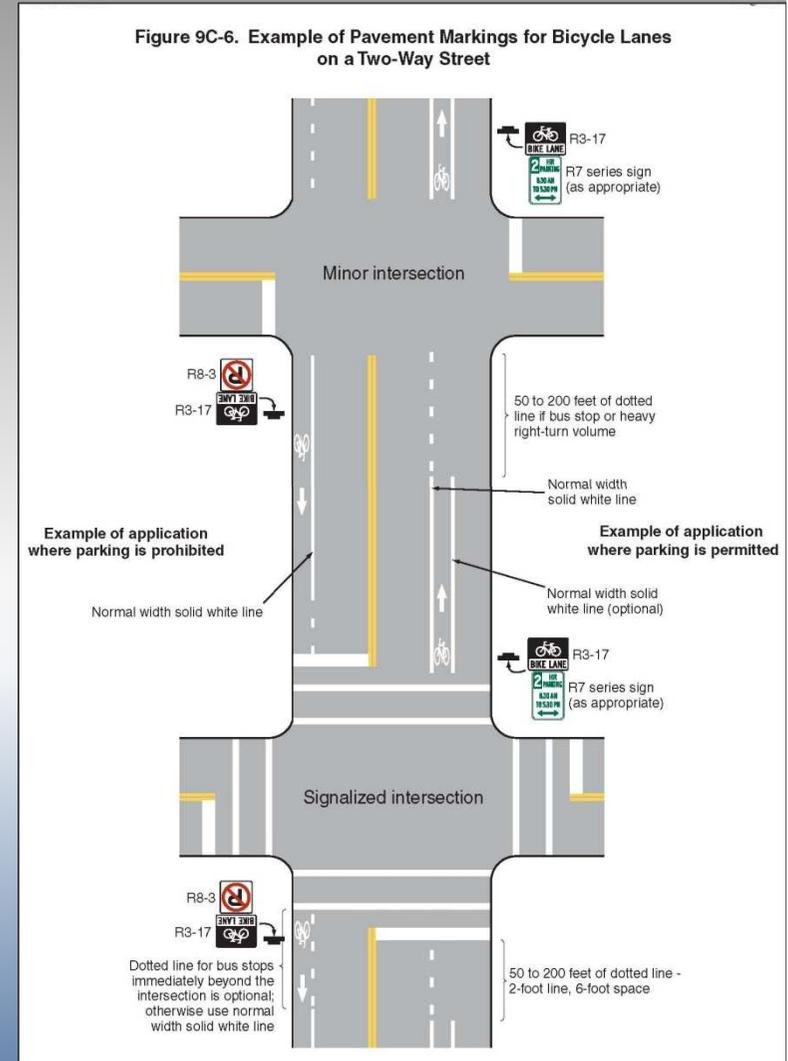
- Conventional Bike Lanes
- Buffered Bike Lanes
- Contraflow Bike Lanes
- Left Side Bike Lanes

Intersections

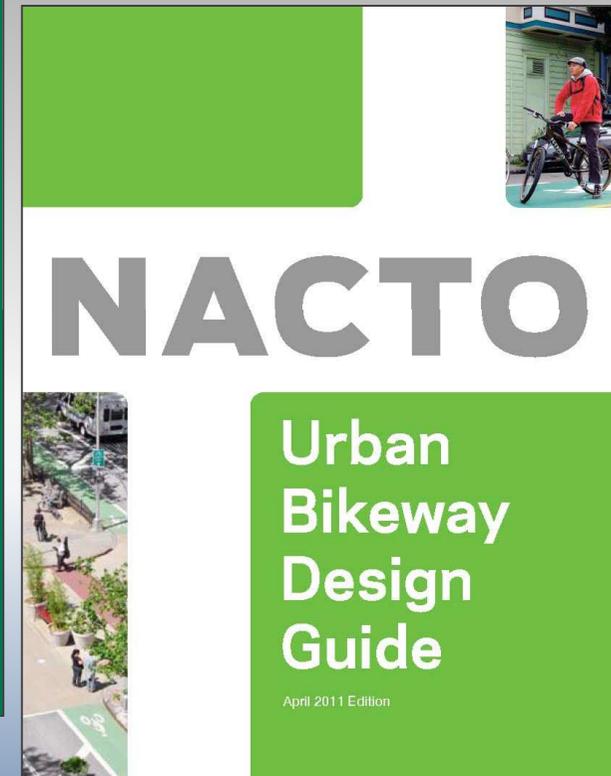
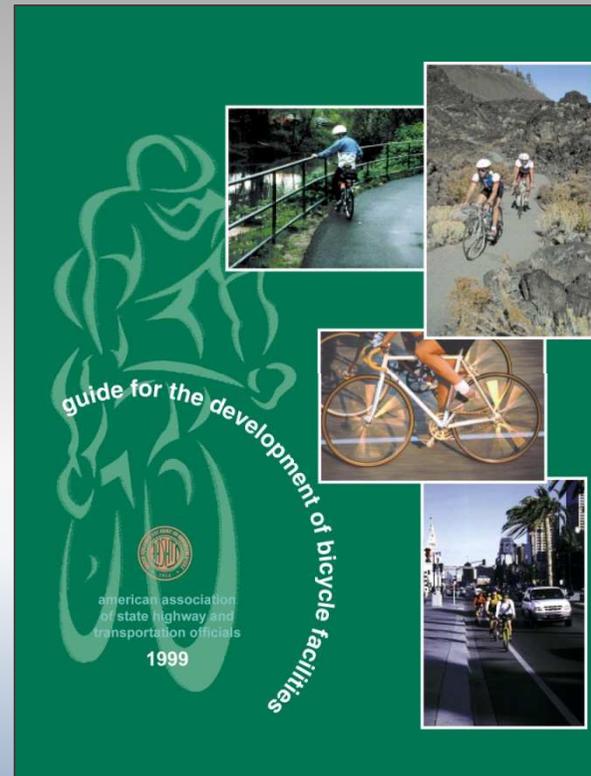
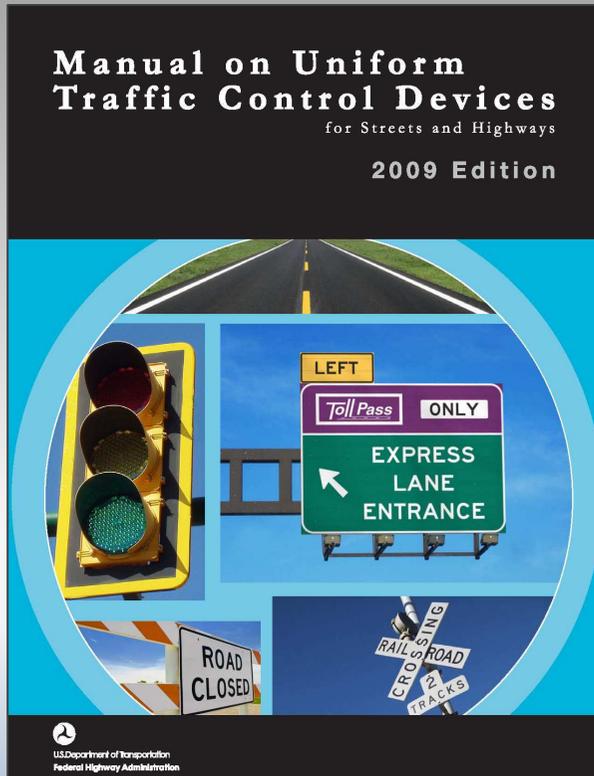
- Median Refuge Island
- Through Bike Lanes

Bikeway Signing & Marking

- Wayfinding
- Colored Bike Facilities
- Shared Use Lane Markings



Design Standards & Guides



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User Groups

1. Strong & Fearless

- Very few

2. Enthused & Confident

- <10%

3. Interested but Concerned

- Majority of bicyclists

4. No Way, Now How

- About 30% of population

(City of Portland research)



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Bike Lanes

Conventional Bike Lanes

Designate exclusive space for bicyclists with pavement markings and signage.



Bike Lanes

Buffered Bike Lanes



Bike Lanes

Contra-Flow Bike Lanes

- Bicyclists ride in opposite direction of motor vehicles
- One-way street converted to two-way; yellow center line striping
- Potential design challenges
- Potential for additional conflict points; driver expectations



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Bike Lanes

Left Side Bike Lanes

Conventional bike lanes placed on the left side of one-way streets or left side of two-way median divided streets.



Intersections

Through Bike Lanes



Figure 9C-4. Example of Bicycle Lane Treatment at a Right Turn Only Lane

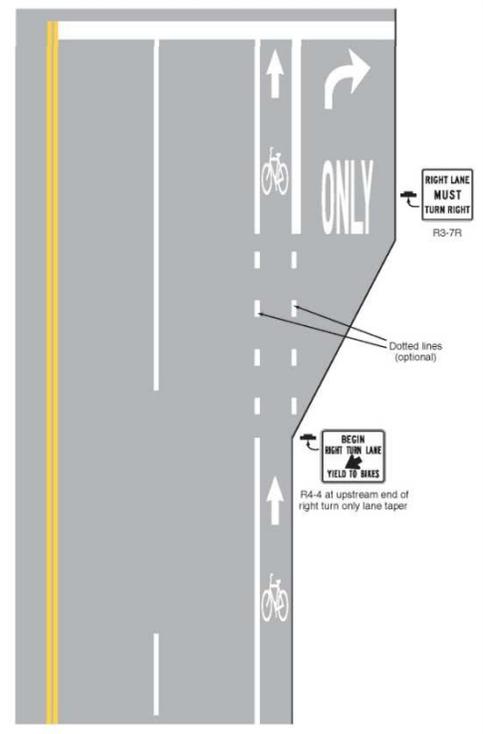
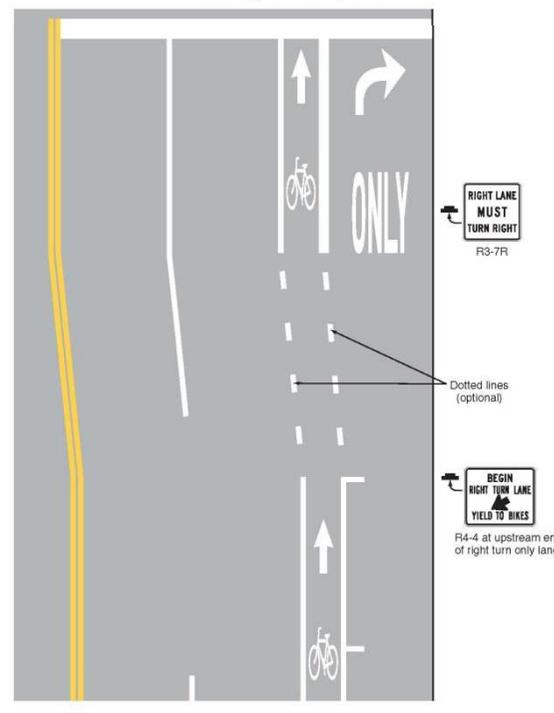


Figure 9C-5. Example of Bicycle Lane Treatment at Parking Lane into a Right Turn Only Lane



Intersections

Median Refuge Island



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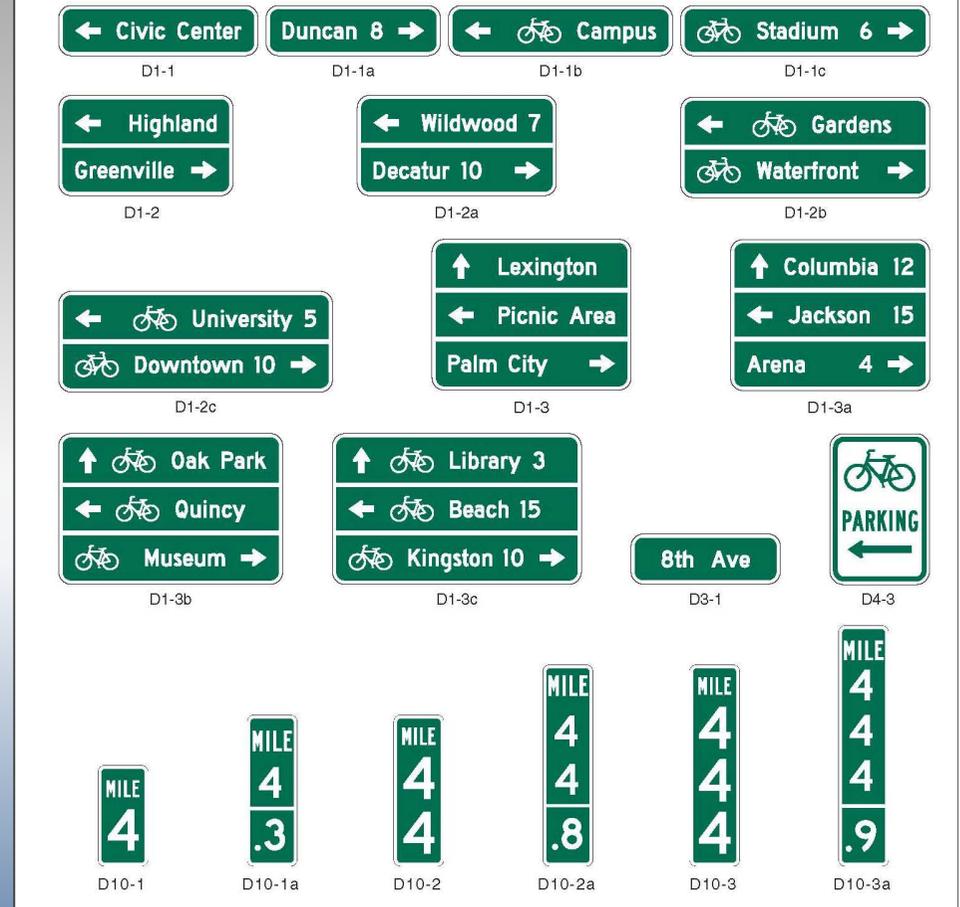


Bikeway Signing & Marking

Bike Route Wayfinding Signage and Marking



Figure 9B-4. Guide Signs and Plaques for Bicycle Facilities (Sheet 1 of 2)



Bikeway Signing & Marking

Colored Bike Facilities



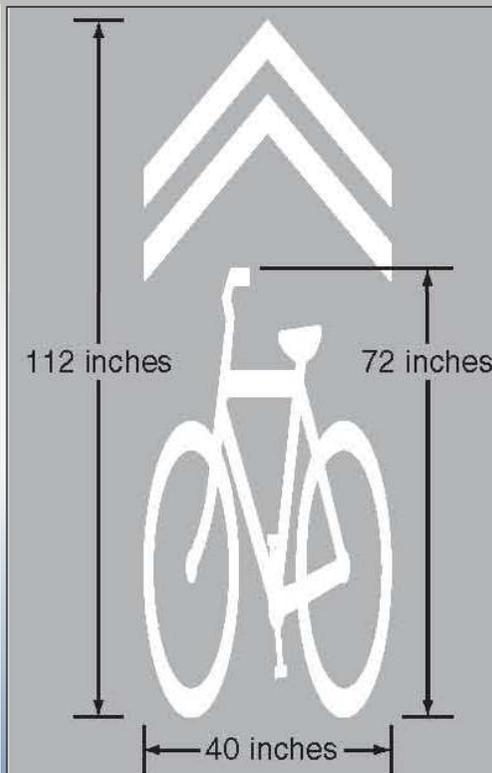
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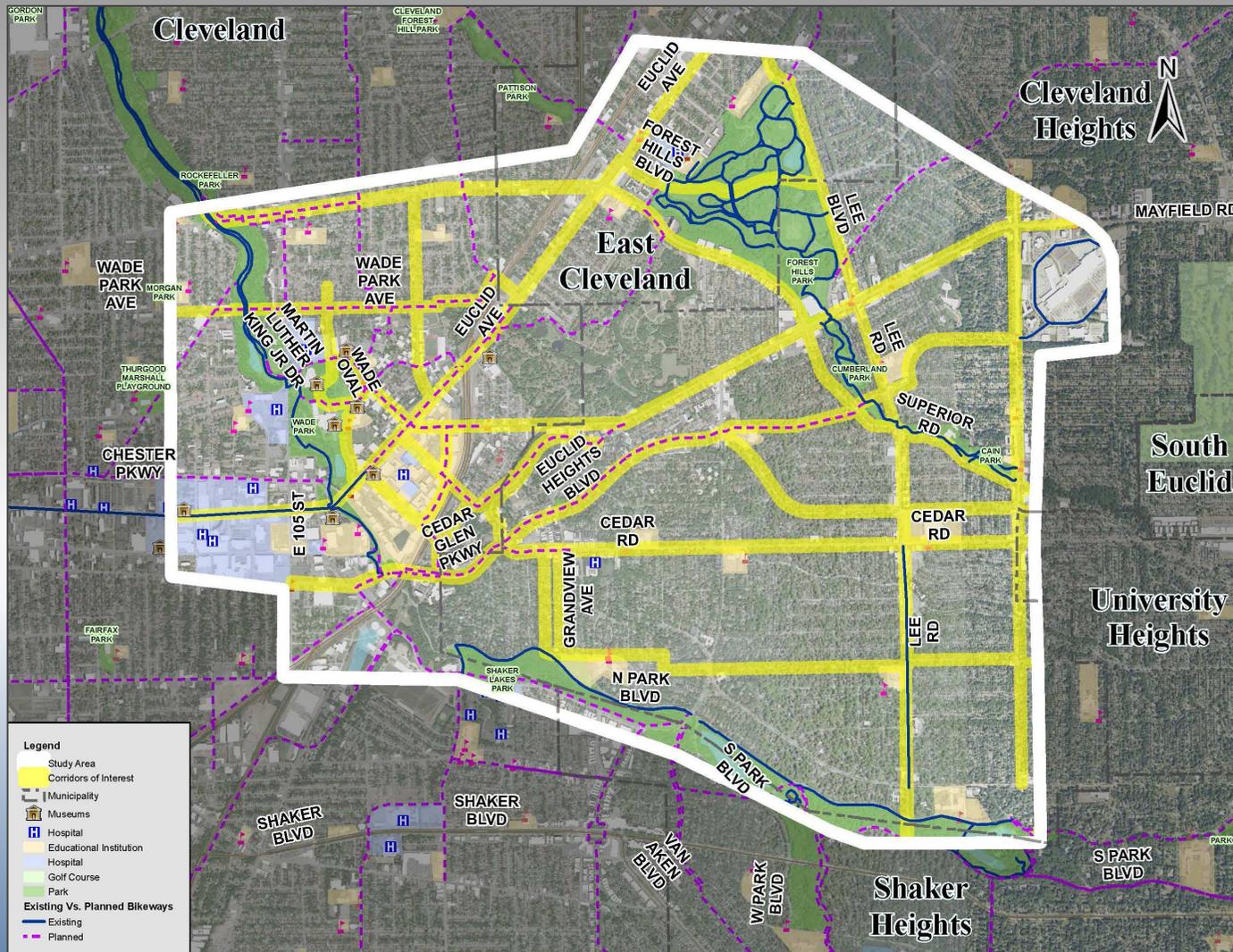


Bikeway Signing & Marking

Shared Lane Markings (“sharrows”)



Bikeway Corridors



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Bikeway Corridors

- Superior (west of Euclid)
- **Superior** (Euclid to Mayfield)
- Euclid (west of MLK-Chester)
- Euclid (MLK to Adelbert)
- Euclid (Adelbert to E.123rd)
- Euclid (E.123rd to Superior)
- Mayfield (Euclid to Murray Hill)
- **Mayfield** (Murray Hill to Kenilworth)
- Mayfield (north of Kenilworth)
- Circle Drive
- Adelbert Road & Bridge
- Cornell Road & Bridge
- Wade Oval
- **East Blvd**
- E.105th St
- E.108th St
- E.115th St
- Lakeview
- **Wade Park**
- MLK/Stokes/Fairhill
- Cedar (west of MLK)
- **Cedar Hill** (MLK to Euclid Heights)
- Cedar (Euclid Hts to Fairmount)
- Cedar (east of Fairmount)
- Bellfield-Grandview
- Scarborough
- Euclid Heights
- Coventry
- Taylor
- Lee
- Washington
- Edgehill (Murray Hill to Kenilworth)
- Overlook (Kenilworth to Cedar)
- Kenilworth



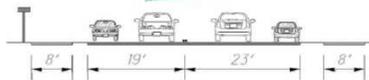
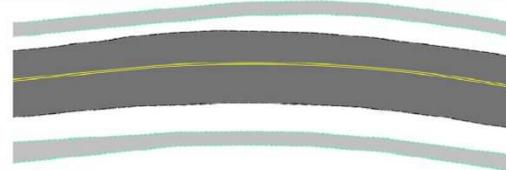
Bicycle Corridor Alternatives

East Blvd

East Blvd.

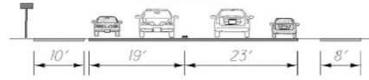
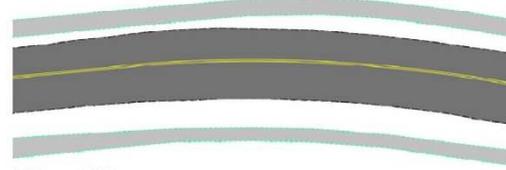


Alt 1



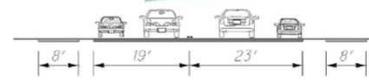
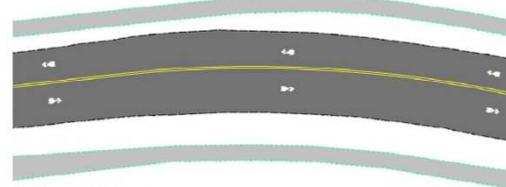
Add Signage on Existing Path

Alt 2



Widen to 10' Path, Add Signage

Alt 3



Add Sharrows In Travel Lane



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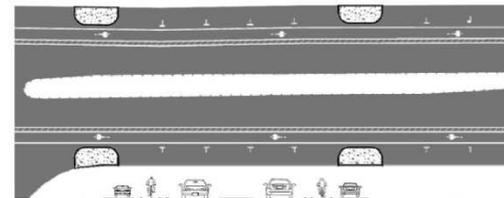
Bicycle Corridor Alternatives

Superior (Euclid to Mayfield)

Superior (Coventry to Mayfield)

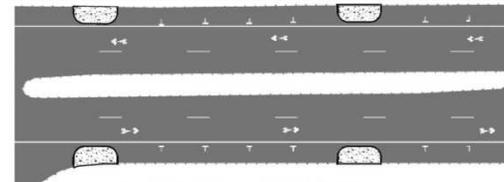


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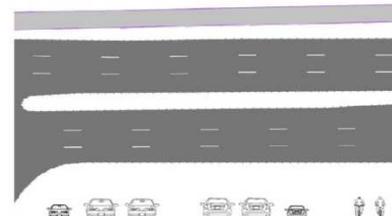
8' 5' 14' 9' 14' 5' 8' Bike Lanes and Parking

Alt 2



10' 11' 10' 9' 10' 11' 10' Sharrows and Parking

Alt 3



11' 10' 10' 9' 10' 10' 11' 8' 10' Widen West Sidewalk to Trail



Bicycle Corridor Alternatives

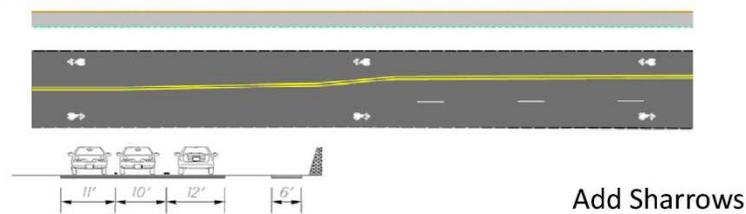
Mayfield (Murray Hill to Kenilworth)



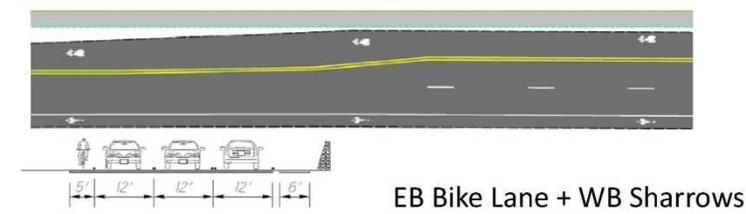
Mayfield Road (Murray Hill to Kenilworth)



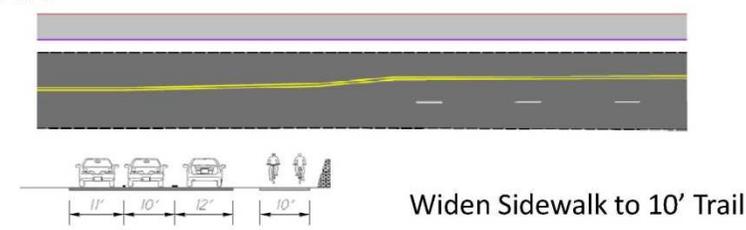
Alt 1



Alt 2



Alt 3



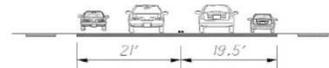
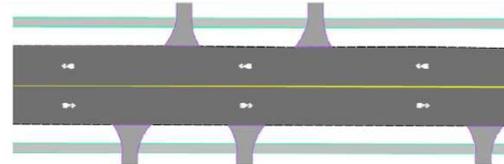
Bicycle Corridor Alternatives

Wade Park

Wade Park

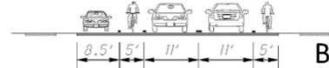
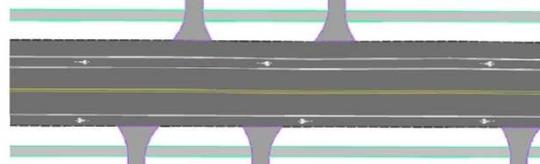


Alt 1



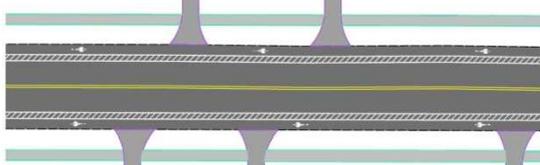
Sharrows (keep on-street parking)

Alt 2



Bike Lanes, On-Street Parking One Side

Alt 3



Buffered Bike Lanes, No Parking



Bicycle Corridor Alternatives

Cedar Hill

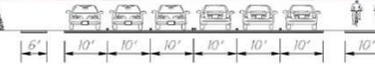
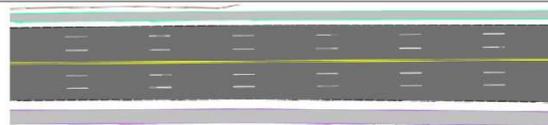
(Cedar-Glenn Pkwy)



Cedar Hill

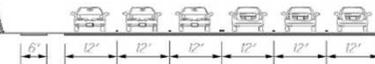


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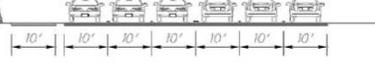
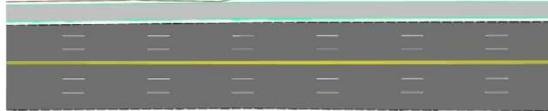
South Side Bike Trail

Alt 2



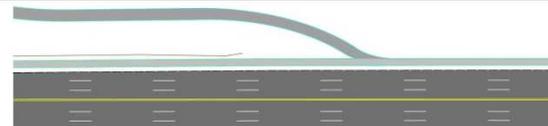
Uphill Bike Lane,
Downhill Sharrow

Alt 3



Widen North Sidewalk
to 10' Trail

Alt 4



Elevated Off Road Trail



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Bicycle Corridor Alternatives

Bike Share Program



Bike Station

- Showers
- Storage
- Repairs
- Rentals



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Home > Metro - cleveland.com > Real Time News

Downtown Cleveland has a new tenant -- bike station aims to boost two-wheeled commutes

Published: Friday, August 26, 2011, 10:00 PM

By Tom Breckenridge, The Plain Dealer

Recommend 104 recommendations. Sign up to see what your friends recommend.

Comment 23

Tweet 19

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Bicyclists willing to tackle an urban commute have a new haven in downtown Cleveland.

The Bike Rack opened in the Gateway district Friday, offering riders such as lawyer Jim Dixon a secure place to store their bikes and shower, for a fee.

"It's huge for people who care about this sort of thing," said Dixon, 42, a lawyer who bikes from Shaker Heights.

Dixon was the Bike Rack's second customer Friday morning.

View full size Scott Shaw / The PD

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110 Fixing our fatherless culture is the mission of upcoming symposium

75 Was Sherrod Brown really the crucial 60th vote for 'Obamacare'? It depends on how you count

73 President Barack Obama to return to Cleveland area Wednesday

61 President Barack Obama to discuss economy Wednesday at Lorain County Community College

Most Active Users What's this?

Users with the most Metro - cleveland.com comments in the last 7 days

0 Jonnychepe



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On-Line Survey

<http://www.clevelandheights.com/>

<http://chml.metroquest.com/>

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On-Line Survey

P.2 Priorities

CH ML - MetroQuest - Windows Internet Explorer

http://chnl.metroquest.com/

CH ML - MetroQuest

Circle-Heights Bicycle Network Plan & Missing Links Transportation Study

Progress Compare Yourself

1 INTRODUCTION

2 PRIORITIES

Higher Priority ↑

Drag your highest priorities above this line.

- Cost
- Safety
- Walking Options
- Biking Options
- Travel Time
- Environmental Impact
- Transit Options

A set of objectives will help us to understand and prioritize the planning, development, and operation of the transportation system.

Drag your highest priorities above the line, in order of preference. Click on items to learn more about them.

3 SURVEY

4 MAP

5 ABOUT YOU



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On-Line Survey

P.3 Survey

CH ML - MetroQuest - Windows Internet Explorer
http://chnl.metroquest.com/

Circle-Heights Bicycle Network Plan & Missing Links Transportation Study

Progress Compare Your

1 INTRODUCTION

2 PRIORITIES

3 SURVEY **Tell us what you think**

4 MAP

A: **Bicycling** B: Bicycle Routes C: Transit D: Walking

Please tell us about your experience biking within and between Cleveland Heights and University Circle:

Bicycling Frequency

When did you last **bicycle** to or within University Circle and/or Cleveland-Heights?

- today
- in the last week
- in the last month
- more than a month ago
- never

Proximity

- I live close enough to **bicycle** to school/work.
- I live close enough to **bicycle** to shopping/dining.
- I live close enough to **bicycle** to entertainment/recreation.
- I live close enough to **bicycle** to other destinations.
- I regularly **bicycle** to school/work.

MAP

Higher Priority ↑

Drag your top priorities above this line

- Mayfield Rd.
- Lee Rd.
- Cedar Rd.**
- North Park Blvd.
- Kenilworth Rd.
- Adelbert Rd.-Circle Dr.-Cornell Rd.
- Edgehill Rd.-Overlook Rd.
- Euclid Ave.
- Euclid Heights Blvd.
- East Blvd E. 105th St.
- MLK Dr.-Stokes Blvd.-Fairhill Rd.
- Superior Rd.

Cedar Rd.
West of MLK to east of Fairmont



On-Line Survey

P.5 About You

The screenshot shows a web browser window with the URL <http://chml.metroquest.com/>. The page title is "Circle-Heights Bicycle Network Plan & Missing Links Transportation Study". A progress bar is visible, and there is a "Compare Yourself" button. The survey is divided into five sections: 1. INTRODUCTION, 2. PRIORITIES, 3. SURVEY, 4. MAP, and 5. ABOUT YOU. The "ABOUT YOU" section is currently active and contains the following content:

About You Please tell us about yourself

Thank you for participating in the University Circle-Cleveland Heights survey.

We look forward to using your input to make this area more bikable, walkable, and transit-friendly!

Input Form

Gender Age Zip Code

Please check all that apply:

I am a resident of:

- University Circle
- Cleveland Heights

I have access to:

- Car
- Bicycle
- Transit

I go to work / school in:

- University Circle
- Cleveland Heights

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Powered by MetroQuest



Project Schedule

CIRCLE HEIGHTS PROJECT SCHEDULE		MISSING LINKS PROJECT SCHEDULE	
Duration	Task	Duration	Task
Sept 2011	Task 1: Working Group Kick-Off		
Sept 2011 – Feb 2012	Task 2: Existing Conditions	Jan 2012	Task 1: Project Kick-Off
March – May 2012	Task 3: Conceptual Alternatives	Jan-Mar 2012	Task 2: Existing Conditions
April 2012	Task 4: Public Involvement Public Meeting #1	April-June 2012	Task 3: Public Involvement Public Meeting #1
April-July 2012	Task 5: Alternatives Evaluation	June-Sept 2012	Task 4: Concept Development
Aug. – Sept. 2012	Task 6: Draft Bikeway Plan and Mapping		
Sept. 2012	Task 7: Public Meeting #2	Sept-Nov 2012	Task 5: Public Meeting #2
Oct. 2012	Task 8: Bikeway Plan and Map		
		Dec 2012	Task 6: Recommendations and Project Documentation



**Thanks for being here
and sharing your thoughts!**

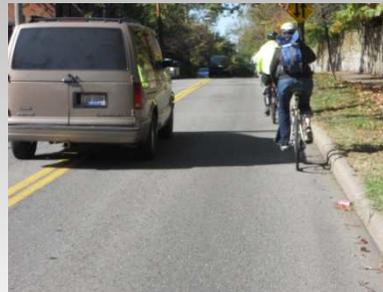


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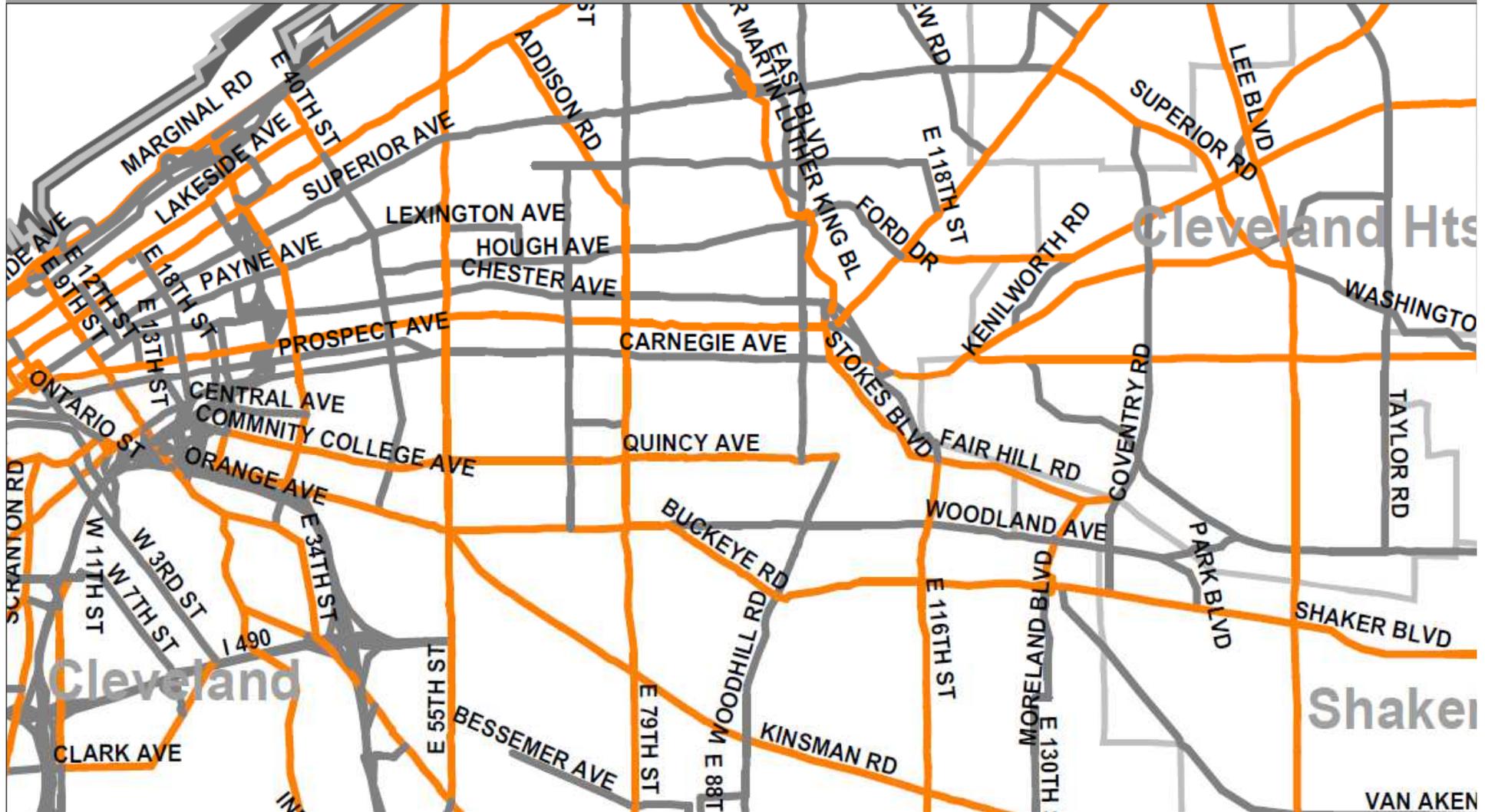
Extra photos



er



NOACA Bicycle Facility Priority Plan



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