

CITY OF MILWAUKEE
BUBLR BIKE SHARE
PROPOSED SYSTEM EXPANSION
2016

Jeff Polenske, P.E., City Engineer

Kristin Bennett, AICP, Bicycle/Pedestrian Transportation Coordinator

Milwaukee – Facts and Stats

- Densely developed urban community
 - 600,000 residents live in 96 sq. miles
 - Thousands more work, recreate, visit daily
- 8% use transit to access their jobs
- 4% walk to work
- 21% households = no access to car
 - 9th fastest growth in car-free households
- 1% bike-to-work mode share
 - 200% growth in bike commuting (2000-12)



Transportation, Lifestyle Trends

- Millennials, Latinos and African-Americans all prefer close-in, mixed use neighborhoods with a variety of travel options
- 61% of Americans prefer more diverse housing, shorter commutes
- Jobs are available but often located in areas with limited transit or “last mile” challenges
- Average cost to own/operate a car is over \$9,000/year (assuming 15,000 miles of driving)



New Approach – A Comprehensive Multi-Modal Transportation Strategy



Increasing Investment in Bicycling

- ❑ Over 90 miles of bike lanes
- ❑ Growing off-street trails network
- ❑ Bike racks on all MCTS buses
- ❑ Community bicycle education
- ❑ Frequent bicycling events



What is Bike Sharing?

- New transportation option
- Station-based with shared bicycle fleet
- Pick up a bike and return to the same station or to any other station
- Ideal for short trips
- Available 24/7, 365 days/year
- Over 870 systems worldwide, including more than 75 systems operating in the US and Canada



How Does Bike Sharing Work?



BUY a pass
(monthly or
annual)
OR
just take rides
as needed
("walk-up
user")

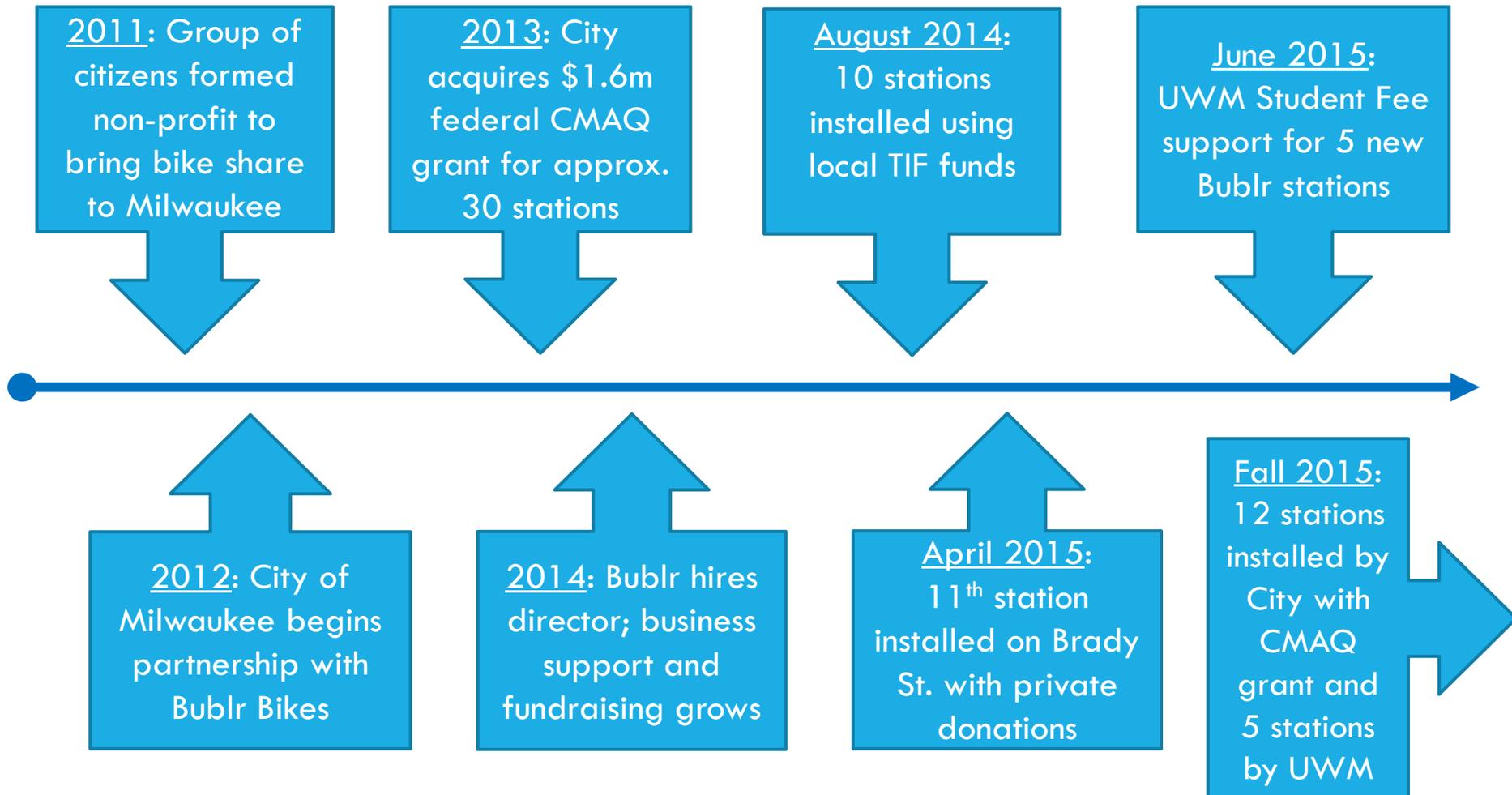
TAKE an
available
bike using
your Bublr
pass key or
unlock code
obtained at
the kiosk

RIDE the bike
to run an
errand, grab
lunch, head to
a meeting or
even commute
to work or
school

RETURN the
bike at any
Bublr station.
Once the green
light shows on
the dock, the
bike is locked
and your trip is
over.

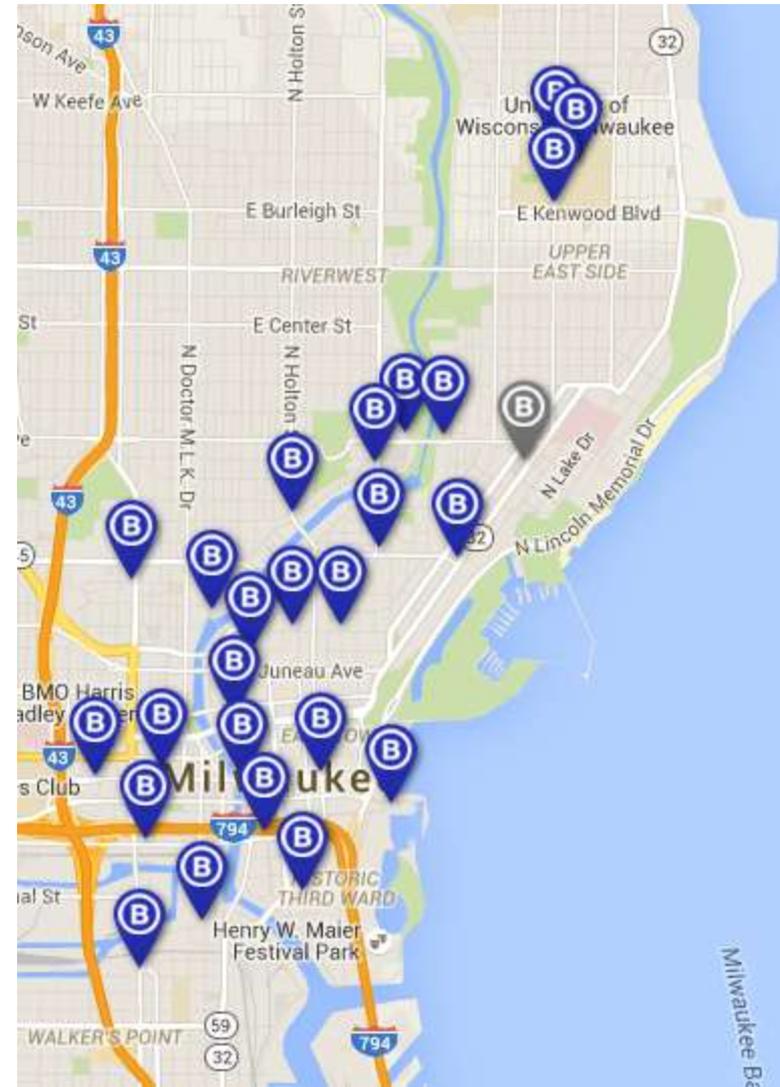
REPEAT as a
monthly or
annual pass
holder or
whenever
needed as a
per ride walk-
up user.

How did Bike Share come to Milwaukee?



Current BublR Bike System

- 28 stations currently in operation in Milwaukee
- 6 more stations scheduled for Spring 2016 installation:
 - Wells/15th (Marquette)
 - KK/Ward (Bay View)
 - Water/Pleasant
 - S. 2nd / Washington
 - Old World 3rd/Highland
 - Pleasant/Commerce



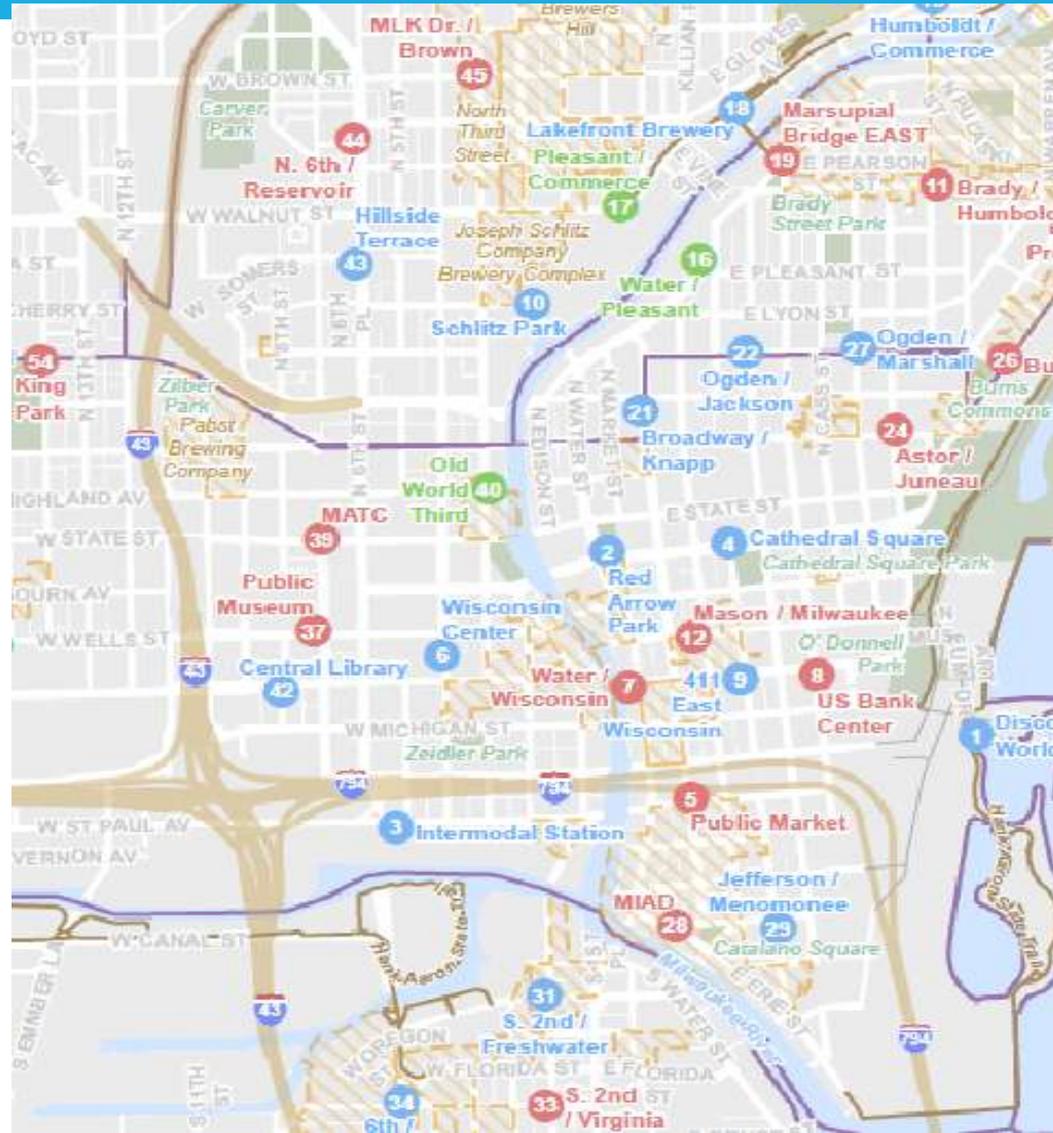
System Management/Maintenance

- Bublr Bikes staff oversees system operations
 - Customer service
 - Maintenance of bicycles, stations
 - Partnerships with Boys & Girls Club, Dream Bikes
 - Advertising, sponsorships, fundraising
 - Coordination with new communities, partners



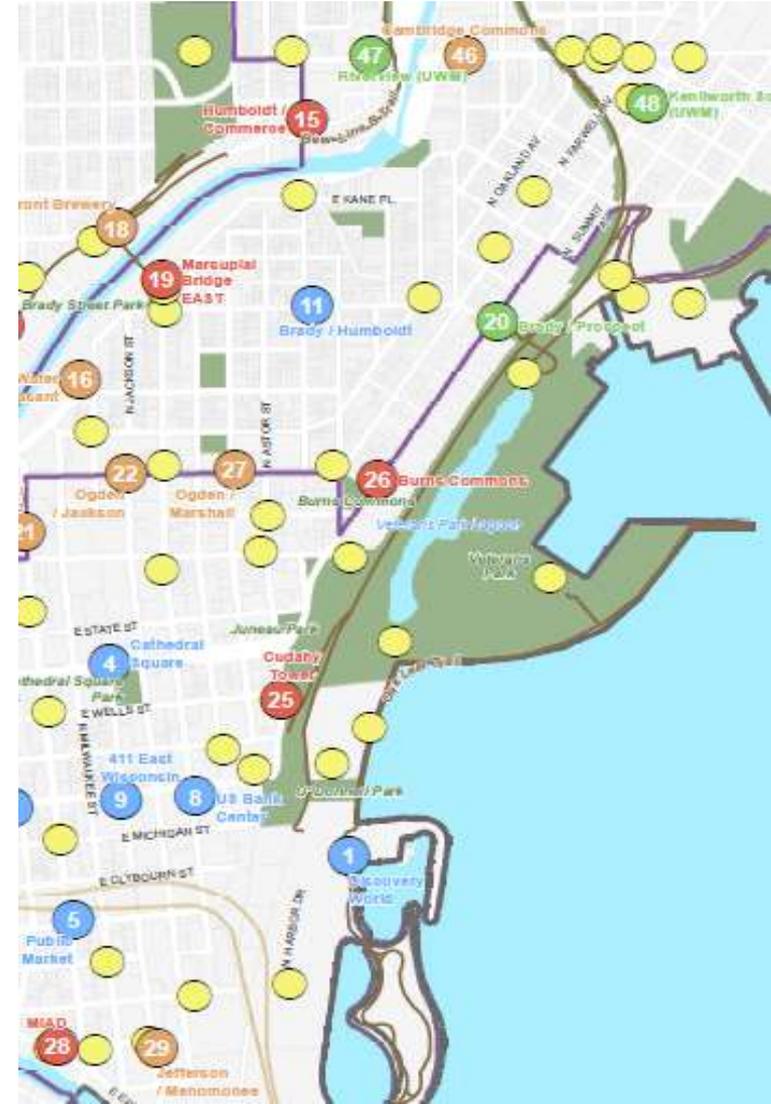
City's Proposed Expansion

- Up to 32 more stations
- Use remainder of \$1.6 million federal grant to fund as many of the 32 proposed locations as possible in 2016
- Adds more density to system in high use areas
- Grow into neighborhoods surrounding downtown



Identifying Proposed Station Locations

- Suggestions from the public
- City Development staff
- Business Districts/
Neighborhood Associations
- Aldermanic input
- Convenience
 - Where people work/go to school, live, shop and play
 - Close walking distance of each other ($\frac{1}{4}$ - $\frac{1}{2}$ mile apart)



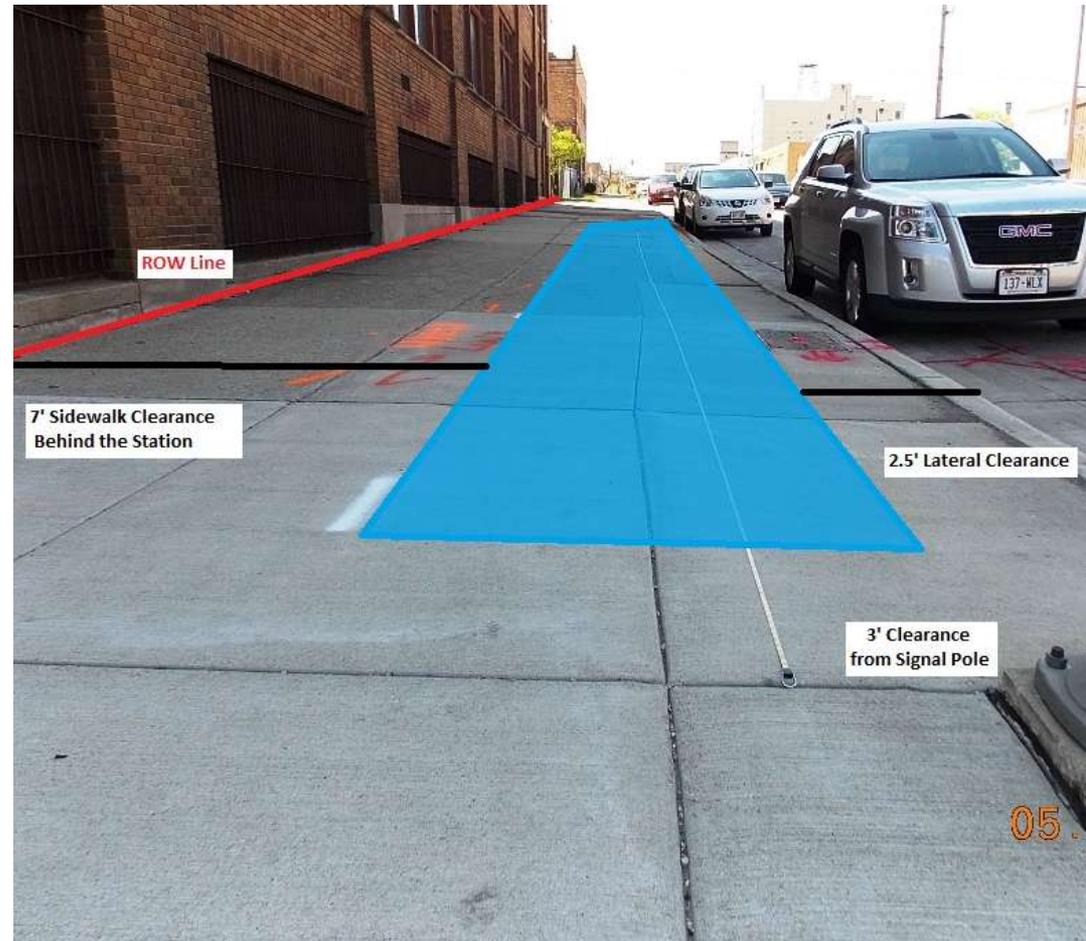
Identifying Proposed Station Locations

- In/Near Downtown
- Public rights-of-way
- Other considerations
 - ▣ Service access
 - ▣ Transit stops, sidewalk cafes, other sidewalk uses
 - ▣ Hollow sidewalks, surface grates and vents
 - ▣ Historic districts, sites
 - ▣ Parkland



Identifying Proposed Station Locations

- Good visibility
- Space Needed
 - ▣ 36' – 63' long
 - ▣ 6' deep for station plus 5' maneuver zone
 - ▣ Maintain clear walkways
 - ▣ At least 2' behind curb
- Power sources
 - ▣ Street lights, traffic signals
 - ▣ Solar in limited locations



ADA Access and Bike Share

- Americans with Disabilities Act (ADA-1990) prohibits discrimination on basis of disability
- Applies to local governments, its contractors (Title II)
- ADA likely applies to bike sharing, but there is no current specific guidance on how to accommodate
 - Bike share is not considered “public transportation”
 - Modifications may not create undue burden or fundamentally alter what is being provided

Milwaukee's Efforts to Improve Access

- ❑ Researched ADA and bike share, contacting other US cities, the US Dept. of Transportation, etc.
- ❑ Participated in County Disabilities Commission meetings
- ❑ Reviewed adaptive equipment options currently available – not compatible with Bulbr equipment
- ❑ Siting stations to maintain clear walkways, bus stops, etc.
- ❑ BulbrBikes.com web site upgraded to ensure accessibility
- ❑ Text-based customer service offered
- ❑ Closed captioning of “How To Bulbr” videos online
- ❑ Good service practices in Bulbr employee handbook

Next Steps

- If needed, modify proposed locations per public input
- Final station sites
 - ▣ Order station equipment
 - ▣ Complete required historic, archeological reviews
 - ▣ Site preparation – concrete pads, electrical power
 - ▣ Install during Spring, Summer and Fall 2016



Future BublR System Expansions

- Shorewood, Wauwatosa, and West Allis
 - ▣ Federal transportation grants to expand there (20+ stations)
 - ▣ Expected in 2017
- Regional Medical Center
 - ▣ Mitigation for Zoo Interchange project impacts
 - ▣ ~8 stations in later 2016



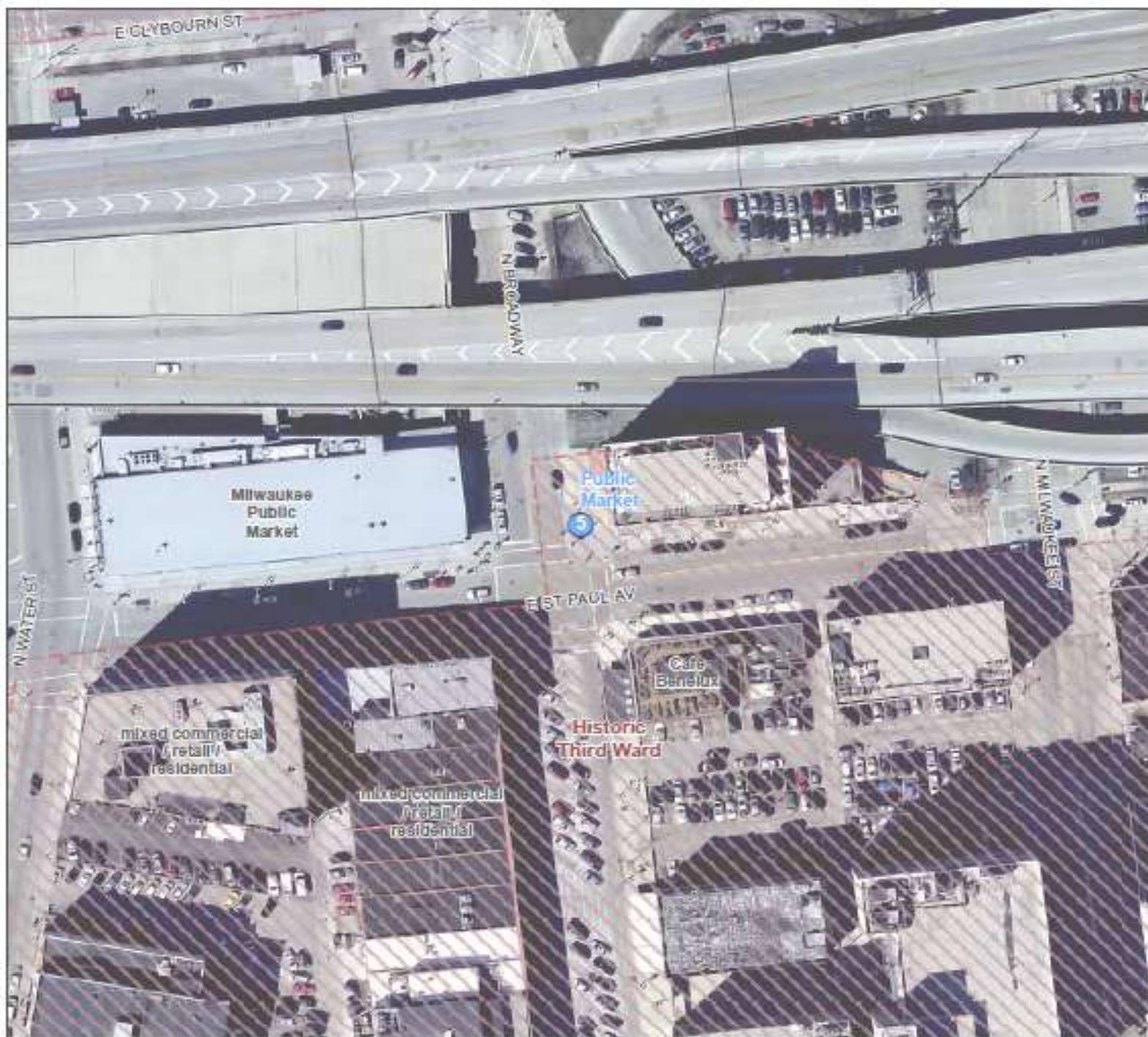
Future Expansions in City of Milwaukee

- Bublr Bikes – continued fundraising, seeking sponsorships, grants
- Additional federal grant applications submitted for Phases 2 and 3
 - ▣ Another \$2.5 million requested
 - ▣ 80% federal, 20% local
- Seeking opportunities with developments, capital projects



**SHARE YOUR COMMENTS, IDEAS,
QUESTIONS BY MARCH 4, 2016**

**COMPLETE PUBLIC COMMENT FORM
OR
BICYCLING@MILWAUKEE.GOV**



**Bike Share Station #5
Public Market**

-  Existing Bubar Bike Station
-  Designated Historic Site
-  Historic District
-  Park
-  Off-Street Trail
-  Freeway



Data Source: City of Milwaukee
 004-7940-004, 09W, 022, WPC
 Prepared by City of Milwaukee
 004-7940-004a, 10/10/2018





ROW LINE

10' Sidewalk Width

4' Lateral Clearance

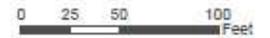
10' Wide Concrete Terrace

#5 – Public Market (possible expansion of existing station)

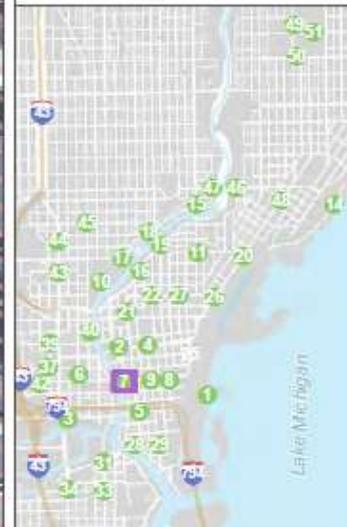
12.28.2015

Bike Share Station #7 Water / Wisconsin

- # Proposed 2018 Bike Station
- * Designated Historic Site
- ▨ Historic District
- Park
- ~ Off-Street Trail
- ▬ Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, OCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 10/13/2015





DUBLR BETTER.
The City of Dublin
Get the Dublin app
Download Dublin
DUBLIN WATER

6' Sidewalk Clearance

ROW LINE

8' Lateral Clearance

**#7 - Water/Wisconsin
(possible expansion of
existing station)**

**Bike Share Station #8
US Bank Center**

-  Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Park
-  Off-Street Trail
-  Freeway



Data Sources: City of Milwaukee
DDA-ITMO-GIS, DPW, OGD, HPC
Prepared by City of Milwaukee
DDA-ITMO-GIS-pg. 10/13/2015





ROW Line

8' Sidewalk Clearance

4' Lateral Clearance

**#8 - US Bank Center
(possible expansion of
existing station)**

Bike Share Station #11 Brady / Humboldt

- Existing Bublr Bike Stations
- Proposed 2015 Bike Stations
- Proposed 2016 Bike Stations
- Designated Historic Site
- Historic District
- Parks
- Off-Street Bike Trails
- Freeway



0 25 50 100 Feet



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, OGD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 7/17/2015





BURLI BETTER



8' Sidewalk Clearance plus 2.5' Lateral Clearance to Curb

ROW Line - <1' out from Building Wall

#11 – Brady/Humboldt
(possible expansion of existing station)

Bike Share Station #12 Mason / Milwaukee

-  Existing Bike Station
-  Station Scheduled for 2016 Installation
-  Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Parks
-  Off-Street Bike Trails
-  Freeway



Data Source: City of Milwaukee
DOA-TMD-GIS, DPW, DOD, WPC
Prepared by City of Milwaukee
DOA-TMD-GIS-gis, 12/29/2015

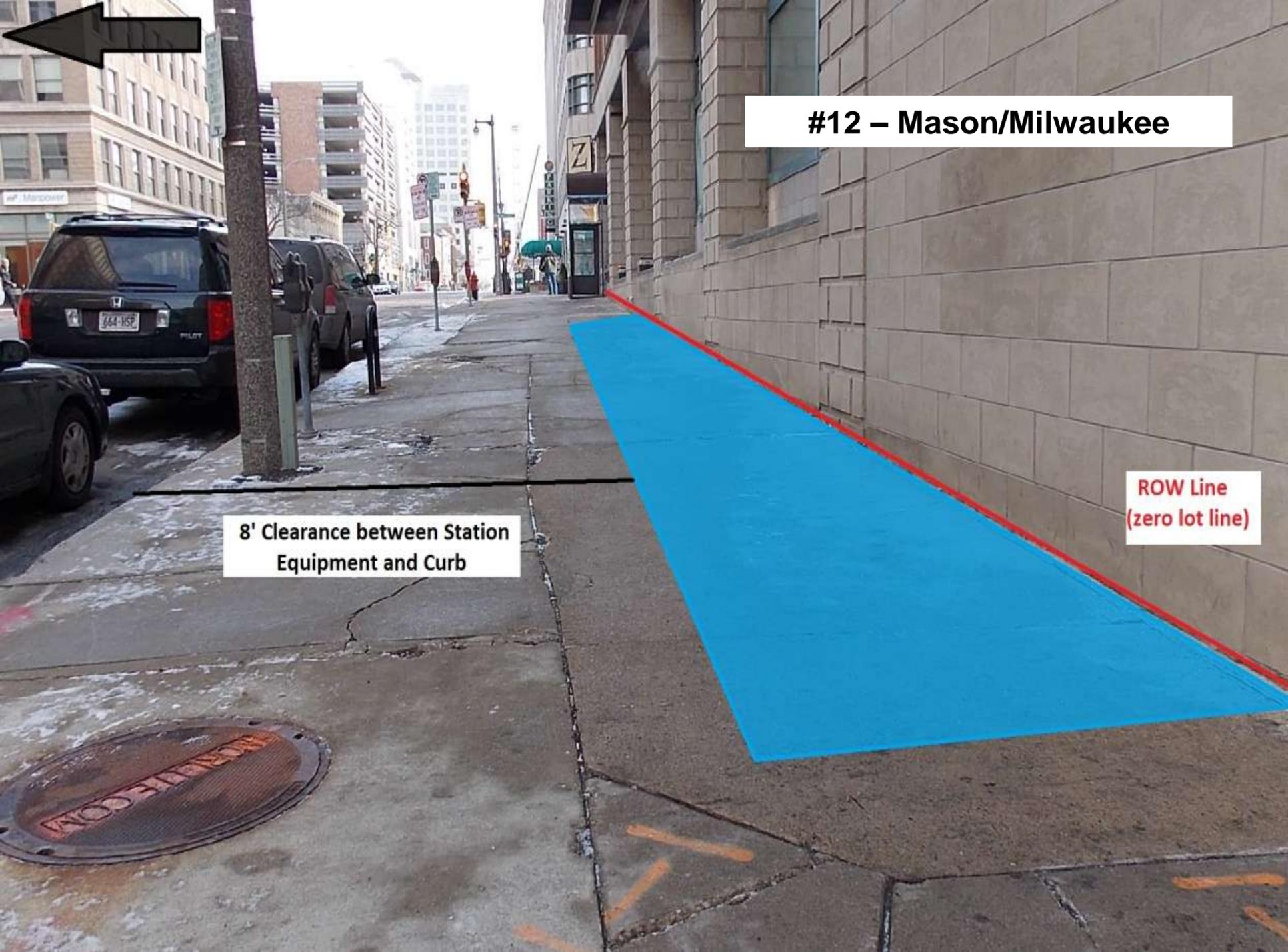




#12 – Mason/Milwaukee

**8' Clearance between Station
Equipment and Curb**

**ROW Line
(zero lot line)**

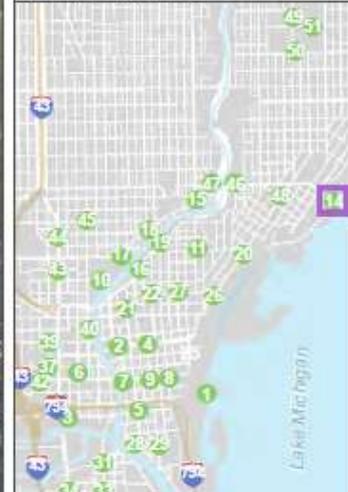


Bike Share Station #14 Bradford Beach

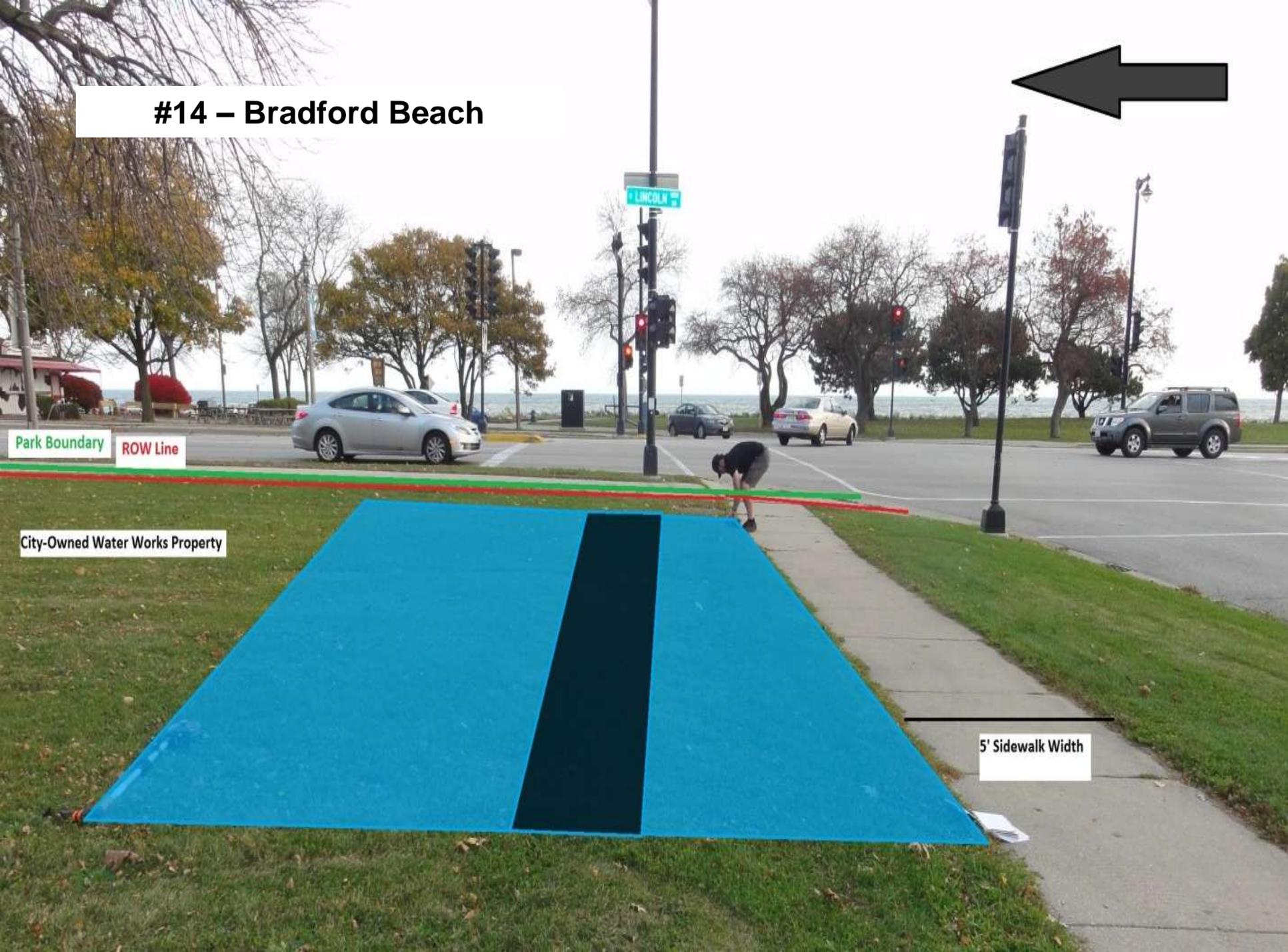
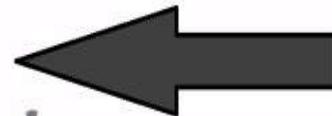
-  Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Park
-  Off-Street Trail
-  Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, OGD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 10/13/2015



#14 – Bradford Beach



Park Boundary ROW Line

City-Owned Water Works Property

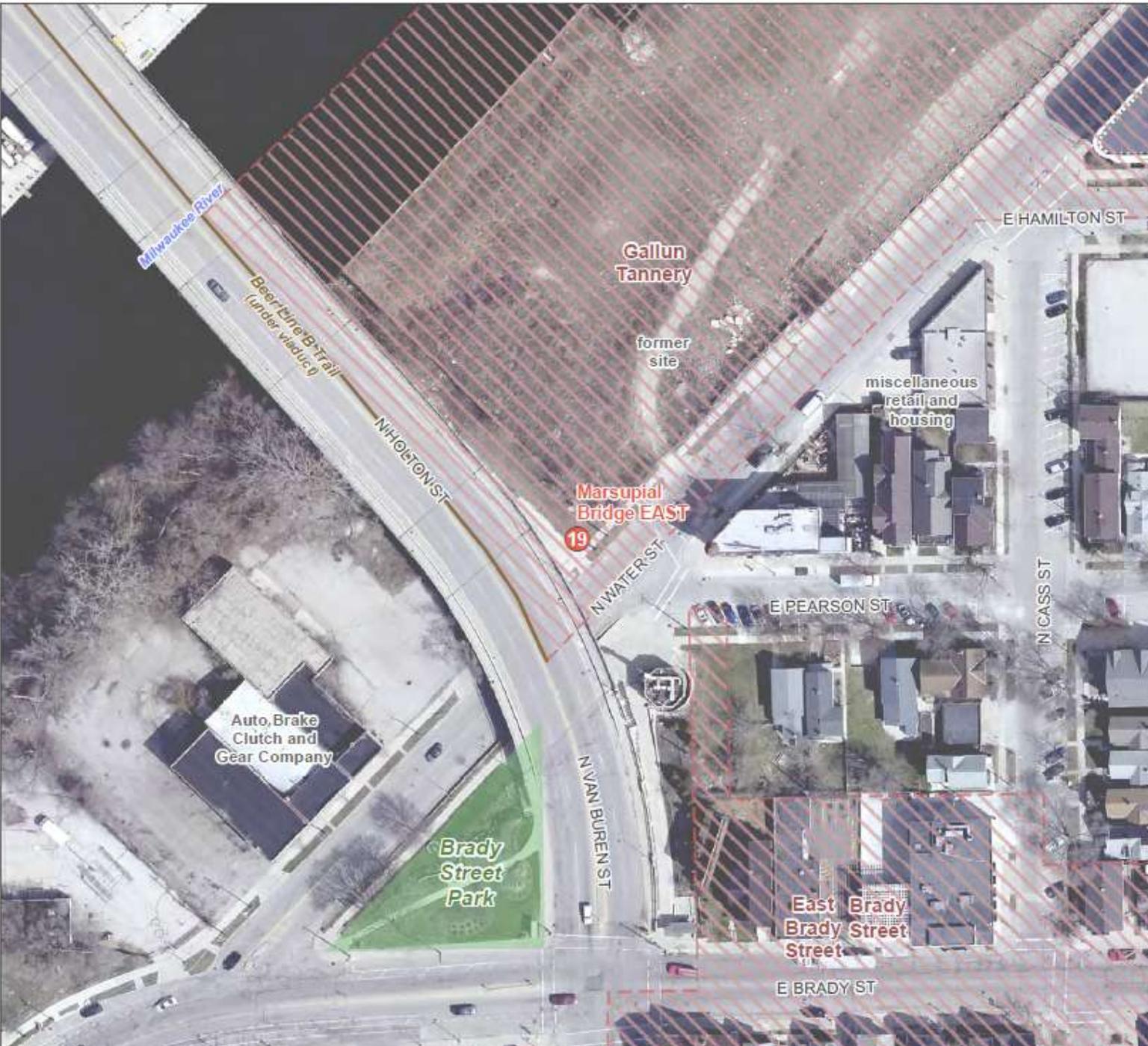
5' Sidewalk Width

**Bike Share Station #19
Marsupial Bridge EAST**

-  Proposed 2018 Bike Station
-  Designated Historic Site
-  Historic District
-  Park
-  Off-Street Trail
-  Freeway



Data Sources: City of Milwaukee
DOA-TMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-TMD-GIS-gis, 10/14/2015



#19 – Marsupial Bridge East



Two (2) bike racks relocated due to new Riverwalk access construction (by developer)

ROW Line

12' Clearance behind Station

5' Sidewalk Width

Additional 14' Lateral Clearance - Terrace plus Curb Extension constructed here in 2015 by City (outside CMAQ project)



Bike Share Station #20 Brady / Prospect

-  Existing BublR Bike Station
-  Designated Historic Site
-  Historic District
-  Park
-  Off-Street Trail
-  Freeway



0 25 50 100 Feet



Data Sources: City of Milwaukee
DOA-TMD-GIS, CPW, OGD, HPC
Prepared by City of Milwaukee
DOA-TMD-GIS-jm, 10/13/2015



East
Brady
Street

N FARWELL AV

E BRADY ST

N PROSPECT AV

Brady /
Prospect

20

Oak Leaf Trail

Oak Leaf Trail

**#20 – Prospect/Brady
(possible station expansion)**

6' Sidewalk Clearance

6' Lateral Clearance
to Sidewalk



**Bike Share Station #24
Astor / Juneau**

-  Existing Bike Station
-  Station Scheduled for 2016 Installation
-  Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Parks
-  Off-Street Bike Trails
-  Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DOD, WPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 1/29/2015



#24 – Astor/Juneau

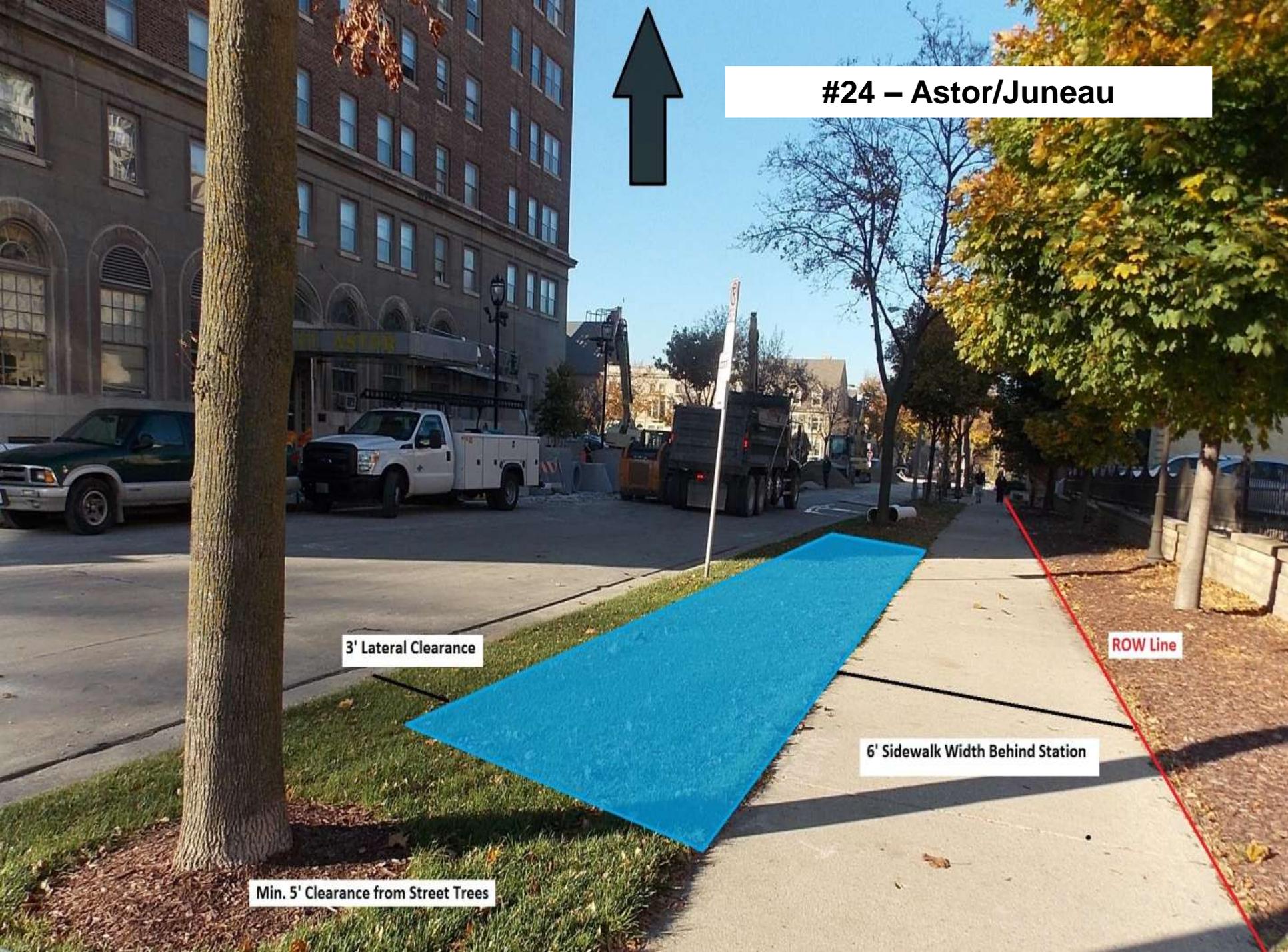


3' Lateral Clearance

ROW Line

6' Sidewalk Width Behind Station

Min. 5' Clearance from Street Trees



**Bike Share Station #26
Burns Commons**

- # Proposed 2018 Bike Station
- ✳ Designated Historic Site
- ▭ Historic District
- Park
- ~ Off-Street Trail
- ▬ Freeway



Data Source: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 10/13/2012



#26 – Burns Commons



ROW Line

5' Sidewalk Clearance

3' Lateral Clearance





Bike Share Station #28 MIAD

- # Proposed 2016 Bike Station
- Designated Historic Site
- Historic District
- Park
- Off-Street Trail
- Freeway



Data Sources: City of Milwaukee
DOA-IT&D-GIS, DPW, DOD, HPC
Prepared by City of Milwaukee
DOA-IT&D-GIS-gis_10/13/2015



#28 – MIAD



6' Sidewalk Width Behind Station

3' Lateral Clearance

6' Sidewalk Width Behind Station

12.28.2015

**Bike Share Station #30
S. 1st / Greenfield**

-  Existing Bike Station
-  Station Scheduled for 2016 Installation
-  Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Parks
-  Off-Street Bike Trails
-  Freeway



Data Source: City of Milwaukee
DOA-IT&C-GIS, DP&I, DOD, I&PC
Prepared by City of Milwaukee
DOA-IT&C-GIS-gis_12/24/2012





ROW Line

5' Sidewalk Clearance

5.5' Lateral Clearance

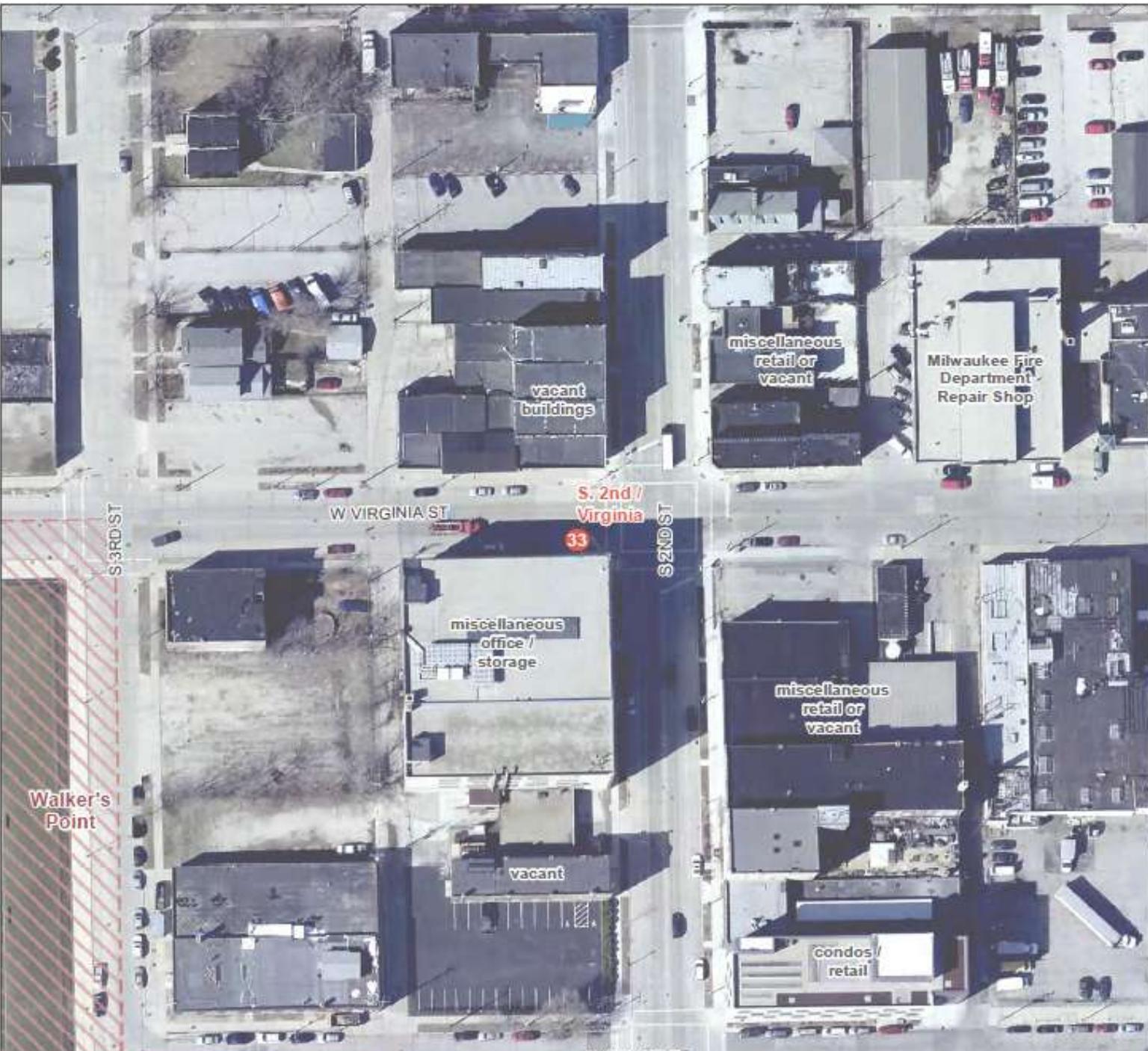
#30 – S. 1st/Greenfield

Bike Share Station #33
S. 2nd / Virginia

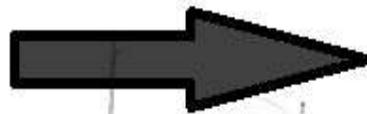
-  Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Park
-  Off-Street Trail
-  Freeway



Data Sources: City of Milwaukee
DOA-TMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-TMD-GIS-gis, 10/13/2015



#33 – S. 2nd/Virginia

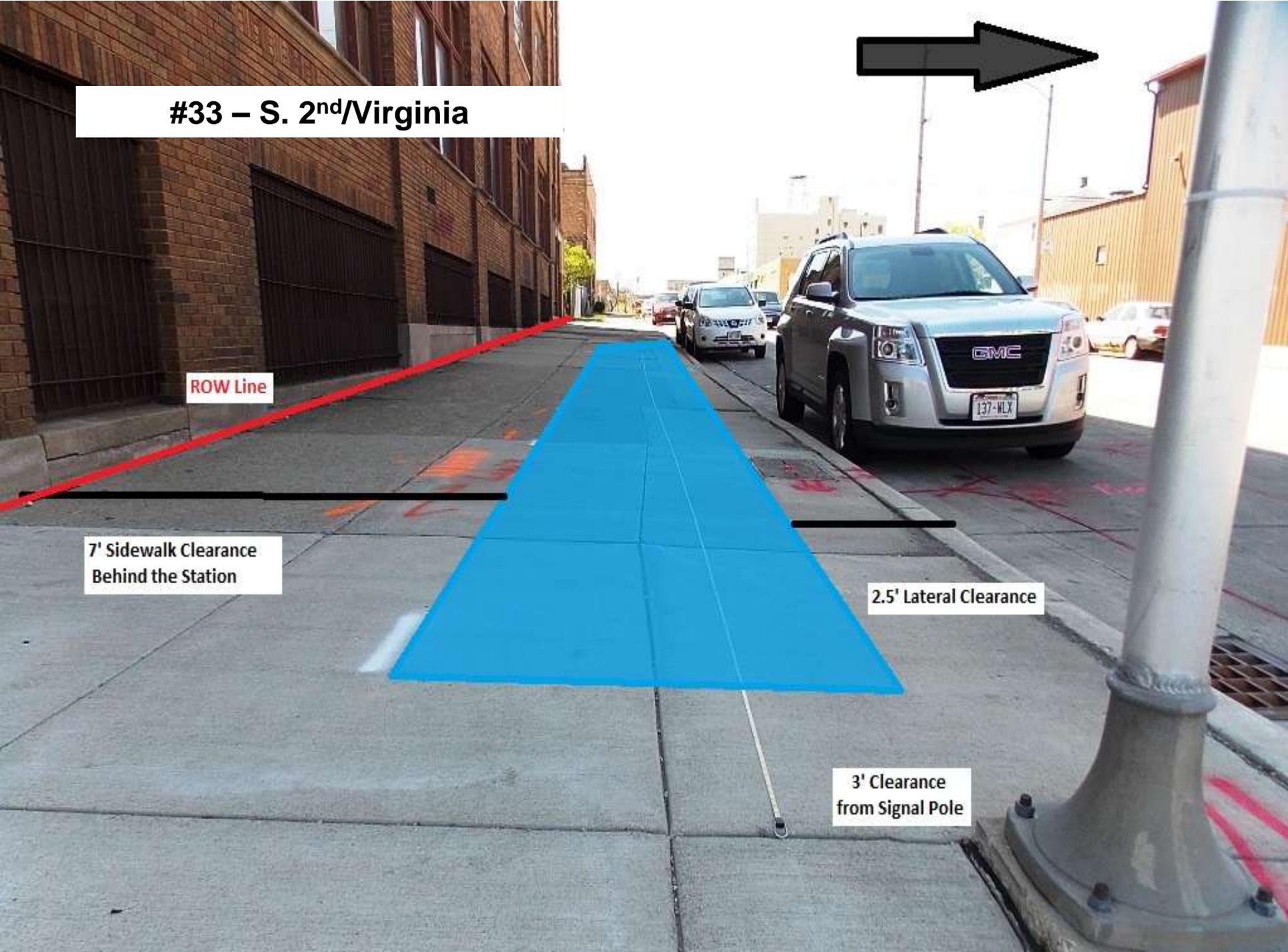


ROW Line

7' Sidewalk Clearance
Behind the Station

2.5' Lateral Clearance

3' Clearance
from Signal Pole



Bike Share Station #35 Superior / Russell

- Existing Bike Station
- Station Scheduled for 2016 Installation
- Proposed 2016 Bike Station
- Designated Historic Site
- Historic District
- Parks
- Off-Street Bike Trails
- Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 12/29/2015



#35 – Superior/Russell



ROW line not reflected because the proposed station site is on a large City-owned parcel

5' Sidewalk Width Behind Station

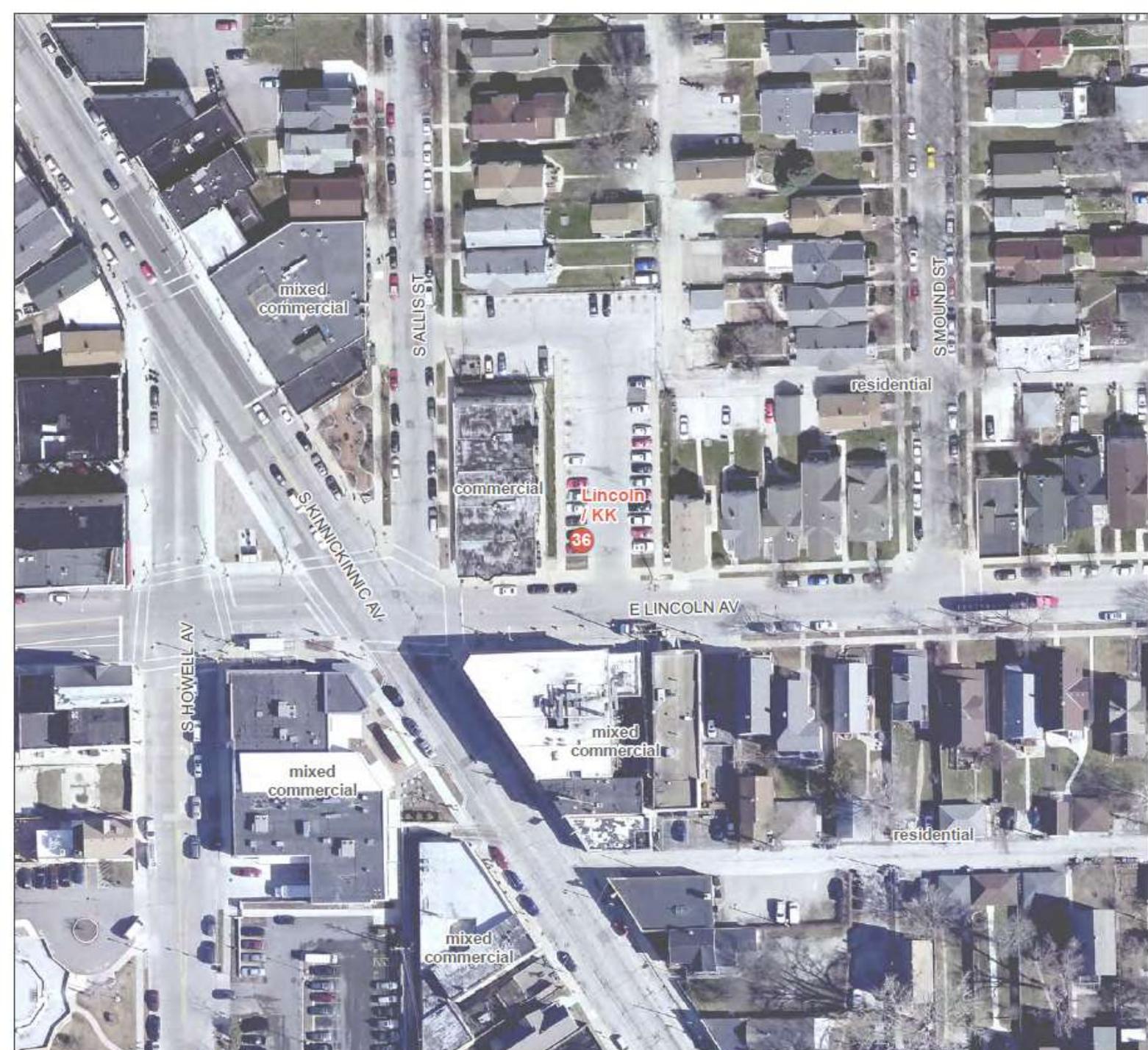


**Bike Share Station #36
Lincoln / KK**

- # Existing Bike Station
- # Station Scheduled for 2016 Installation
- # Proposed 2016 Bike Station
- ✳ Designated Historic Site
- ⊠ Historic District
- Parks
- ~ Off-Street Bike Trails
- ~ Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 12/29/2015



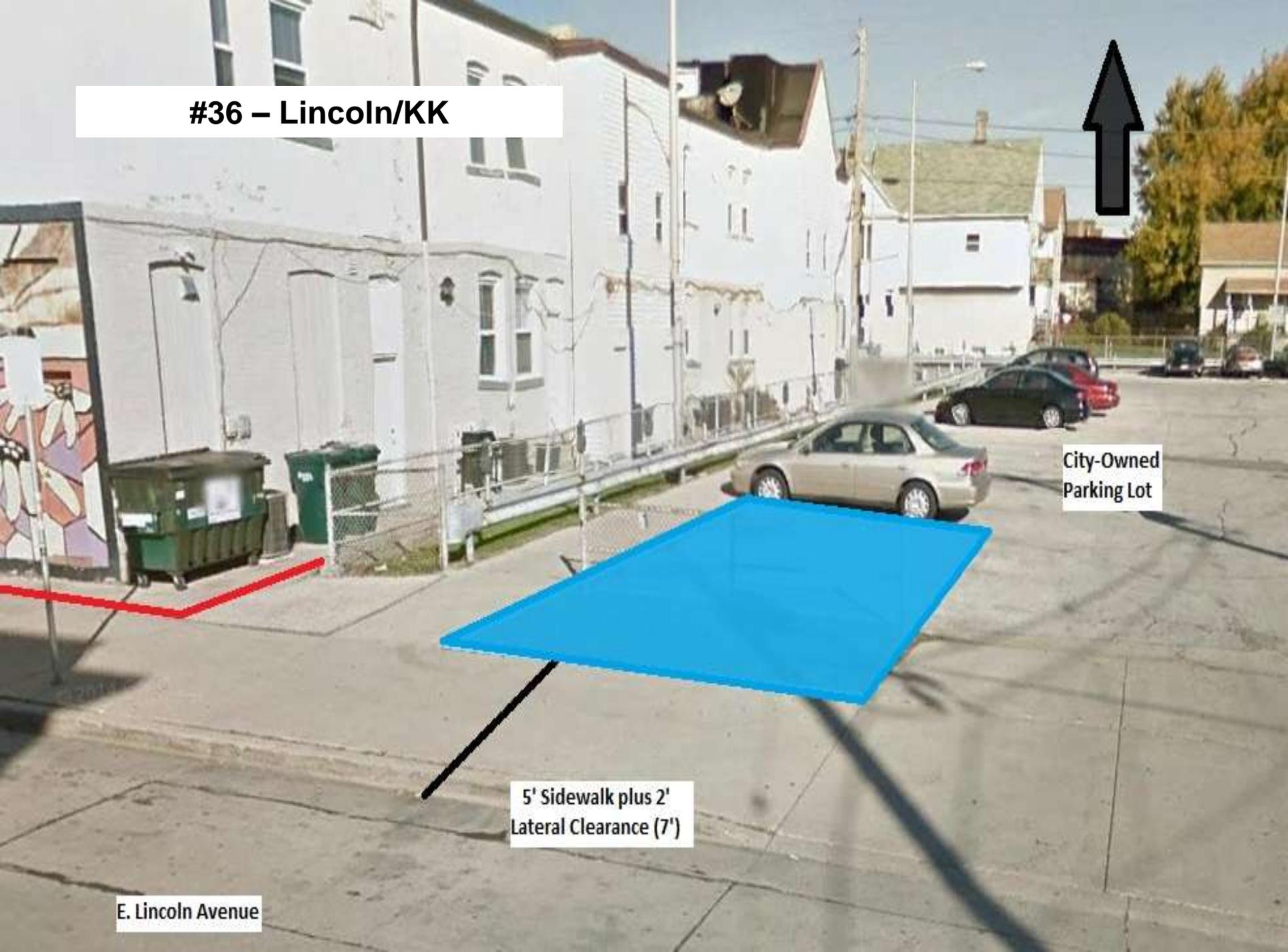
#36 – Lincoln/KK



City-Owned
Parking Lot

5' Sidewalk plus 2'
Lateral Clearance (7')

E. Lincoln Avenue



Bike Share Station #37 Public Museum

-  Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Park
-  Off-Street Trail
-  Freeway

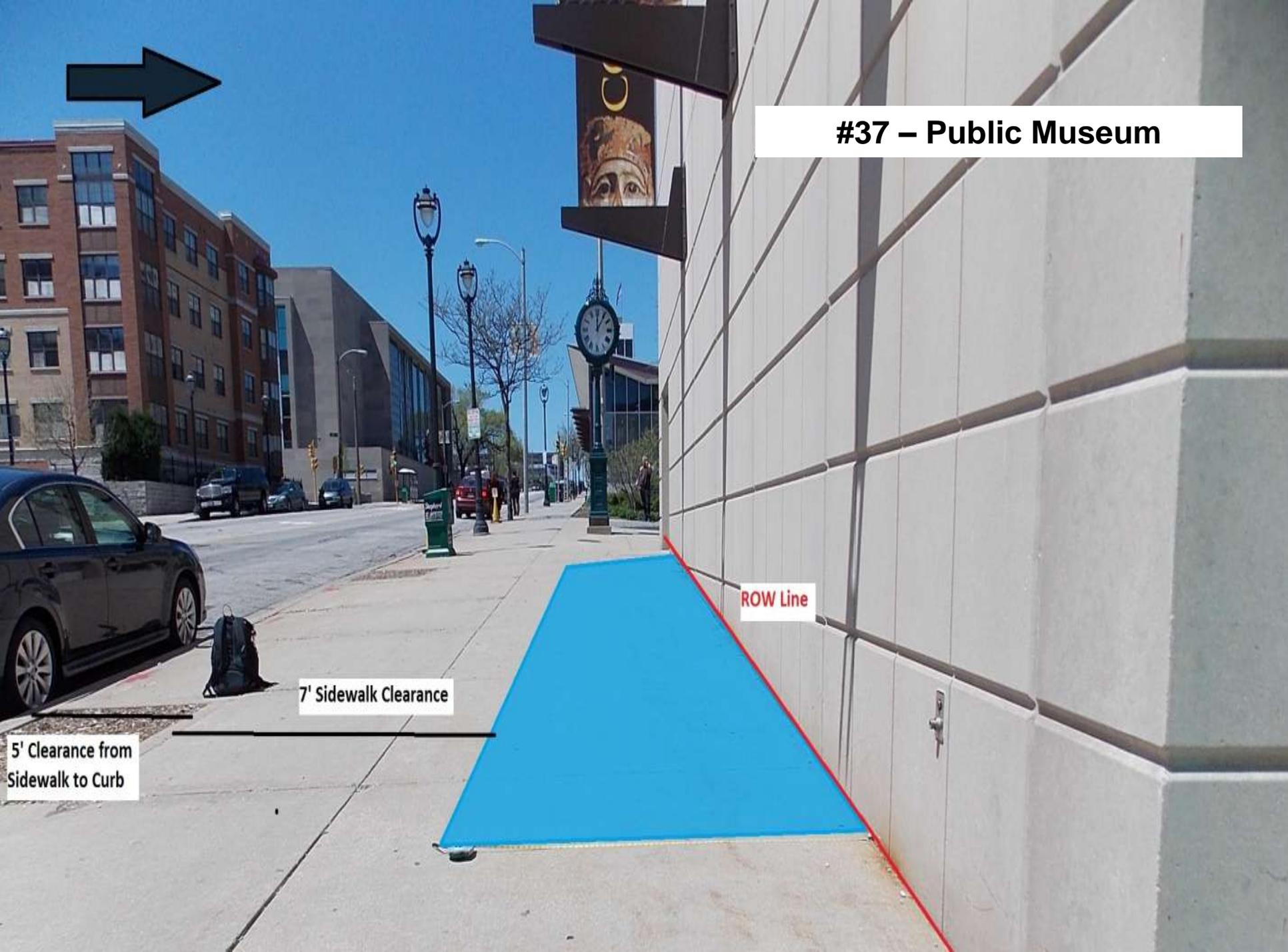


Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-jps, 10/14/2015





#37 – Public Museum



ROW Line

7' Sidewalk Clearance

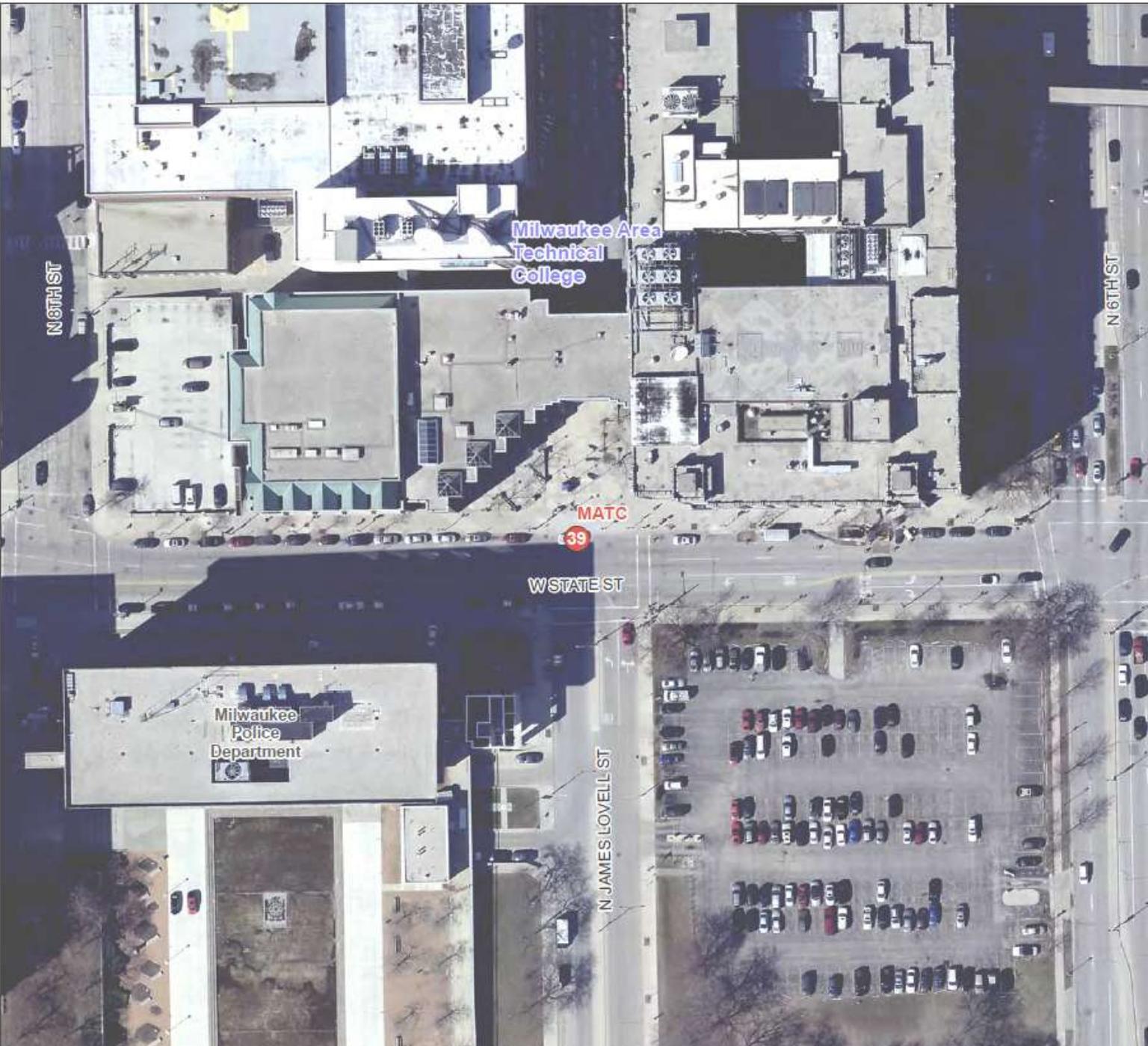
5' Clearance from Sidewalk to Curb

**Bike Share Station #39
MATC**

-  Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Park
-  Off-Street Trail
-  Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 10/14/2015



Milwaukee Area
Technical
College

MATC
39

W STATE ST

N JAMES LOVELL ST

Milwaukee
Police
Department

N 8TH ST

N 6TH ST

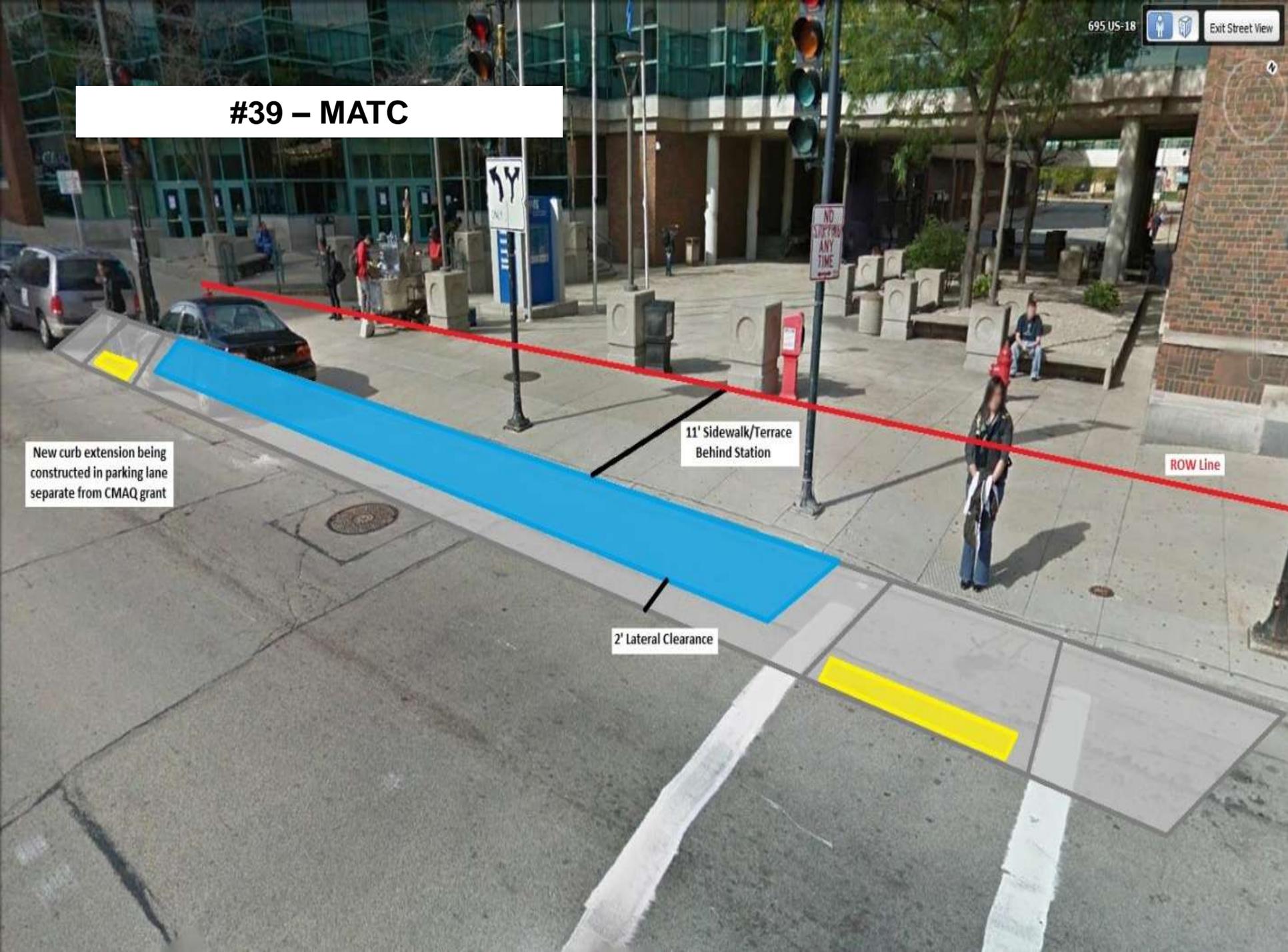
#39 – MATC

New curb extension being constructed in parking lane separate from CMAQ grant

11' Sidewalk/Terrace Behind Station

2' Lateral Clearance

ROW Line



**Bike Share Station #41
North / MLK**

- Existing Bike Station
- Station Scheduled for 2016 Installation
- Proposed 2016 Bike Station
- Designated Historic Site
- Historic District
- Parks
- Off-Street Bike Trails
- Freeway

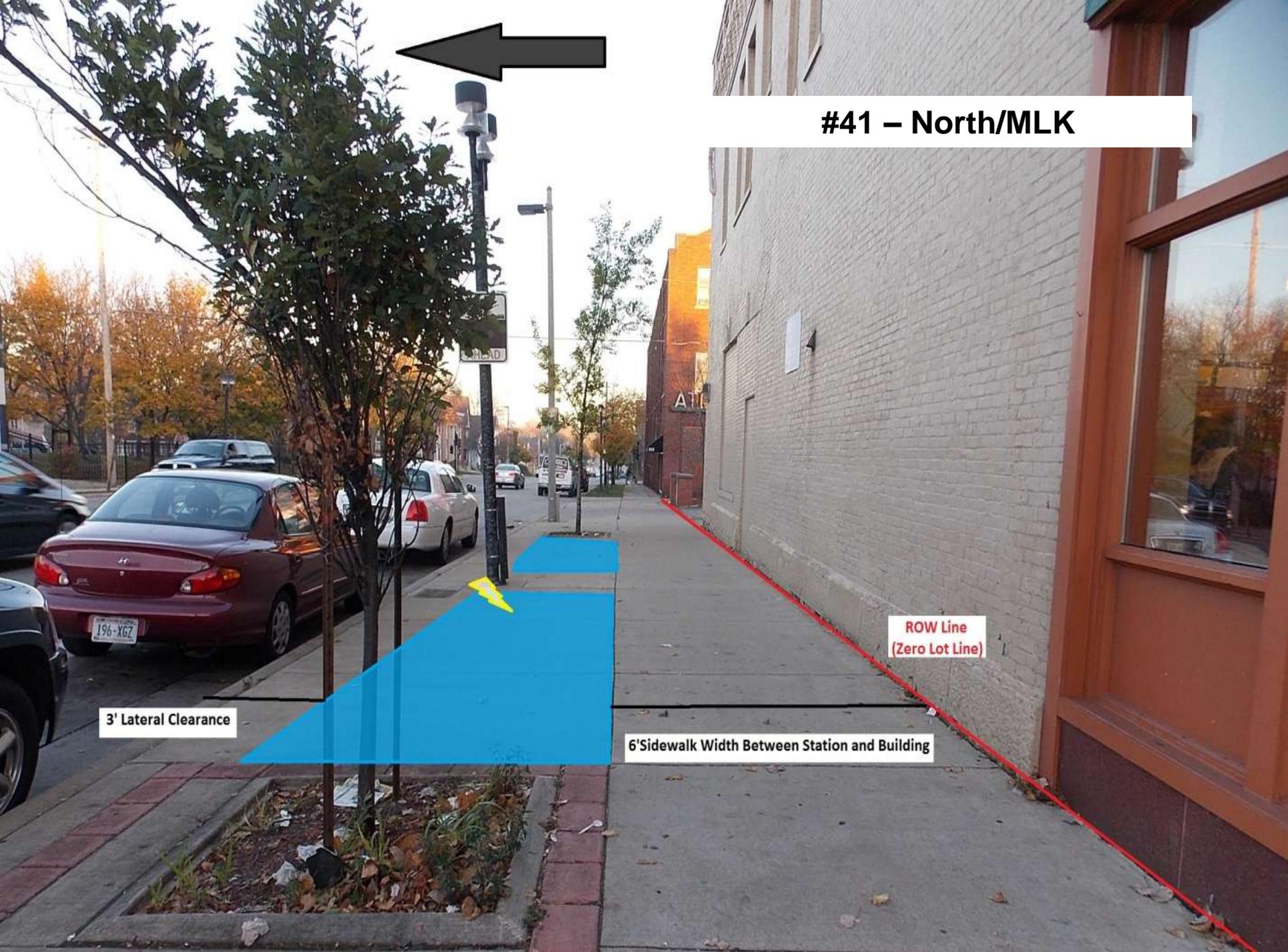


Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 12/29/2015





#41 – North/MLK



3' Lateral Clearance

6' Sidewalk Width Between Station and Building

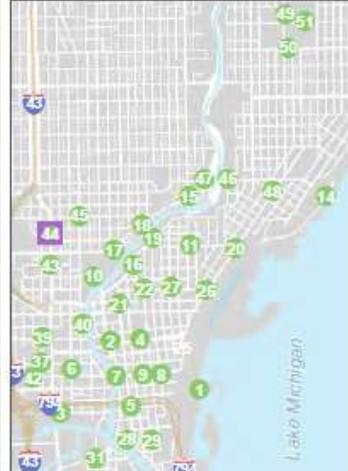
ROW Line
(Zero Lot Line)

**Bike Share Station #44
N. 6th / Reservoir**

-  Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Park
-  Off-Street Trail
-  Freeway



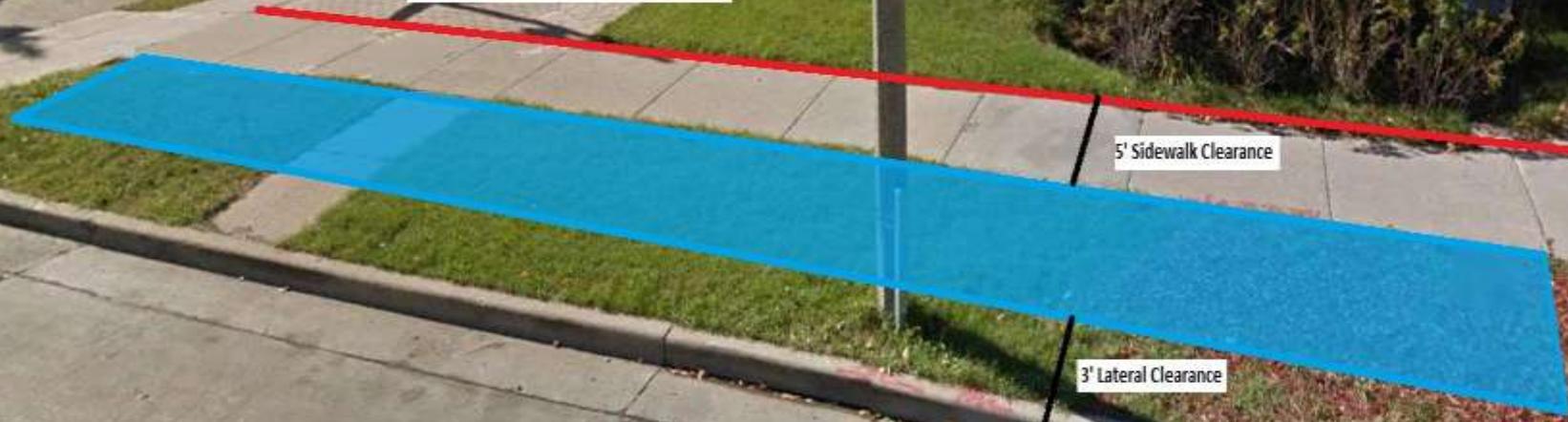
Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
004-ITMD-018-gis, 10/14/2015



#44 – N. 6th/Reservoir



ROW Line (although property is City-owned)



5' Sidewalk Clearance

3' Lateral Clearance

**Bike Share Station #45
MLK Dr. / Brown**

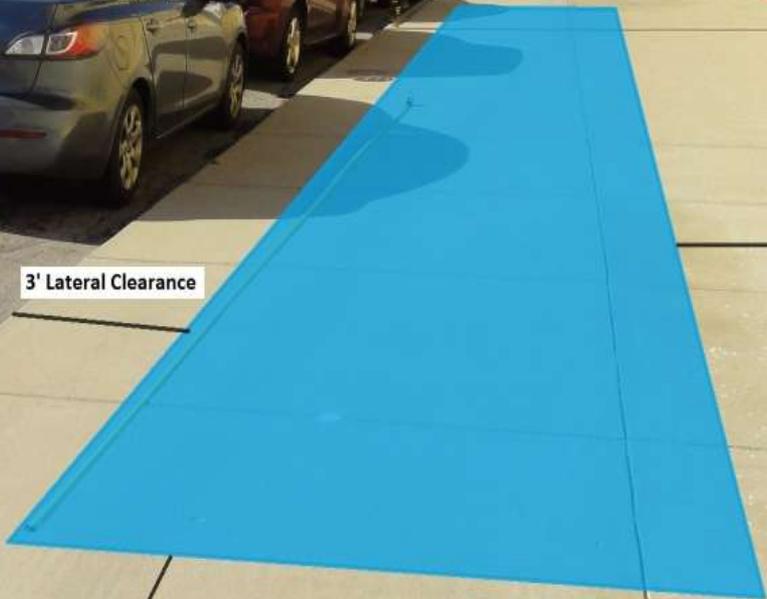
-  Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Park
-  Off-Street Trail
-  Freeway



Data Sources: City of Milwaukee
DOA/ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
004-ITMD-018-gis, 10/14/2015



#45 – MLK/Brown

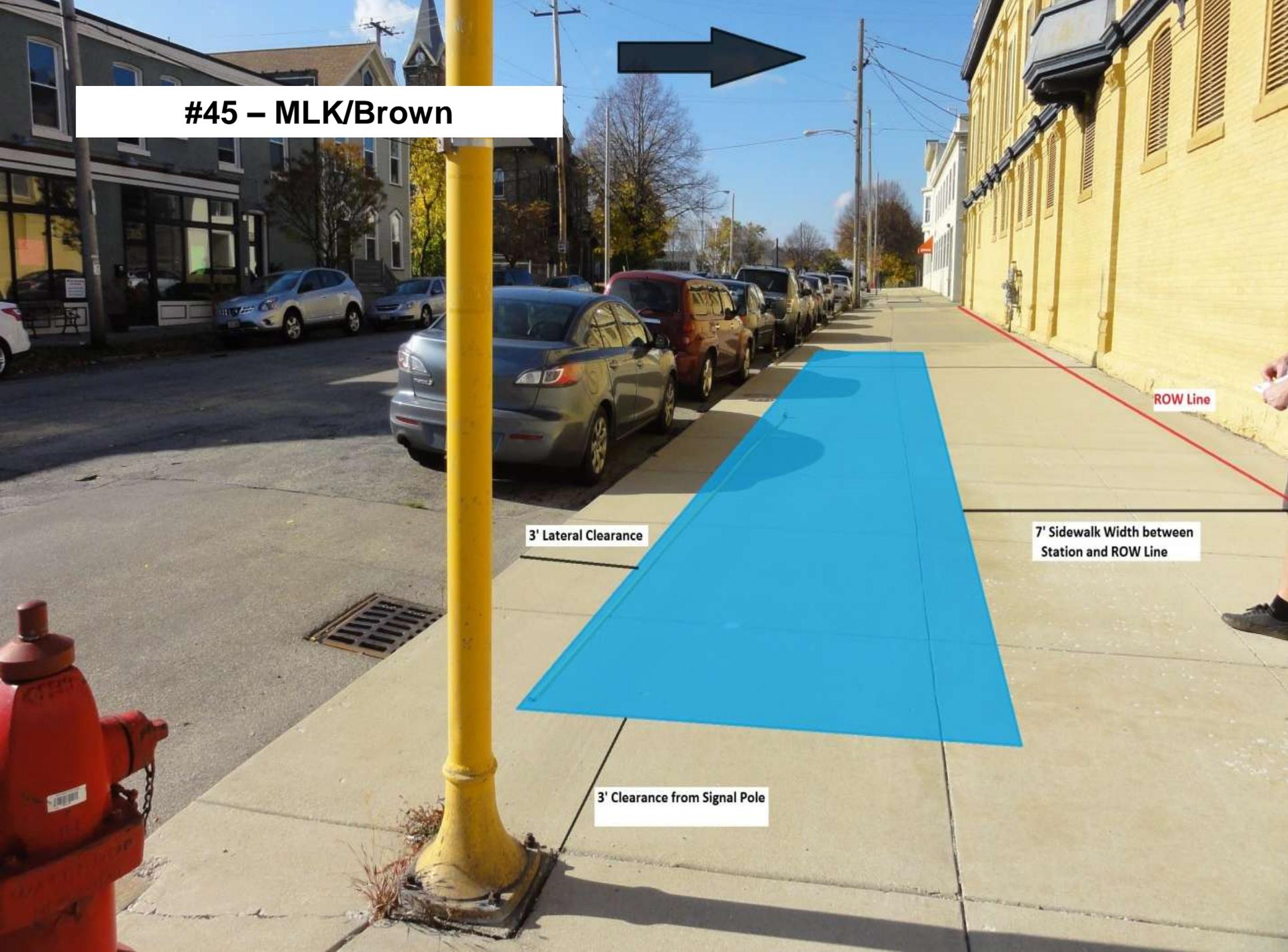


3' Lateral Clearance

7' Sidewalk Width between Station and ROW Line

3' Clearance from Signal Pole

ROW Line

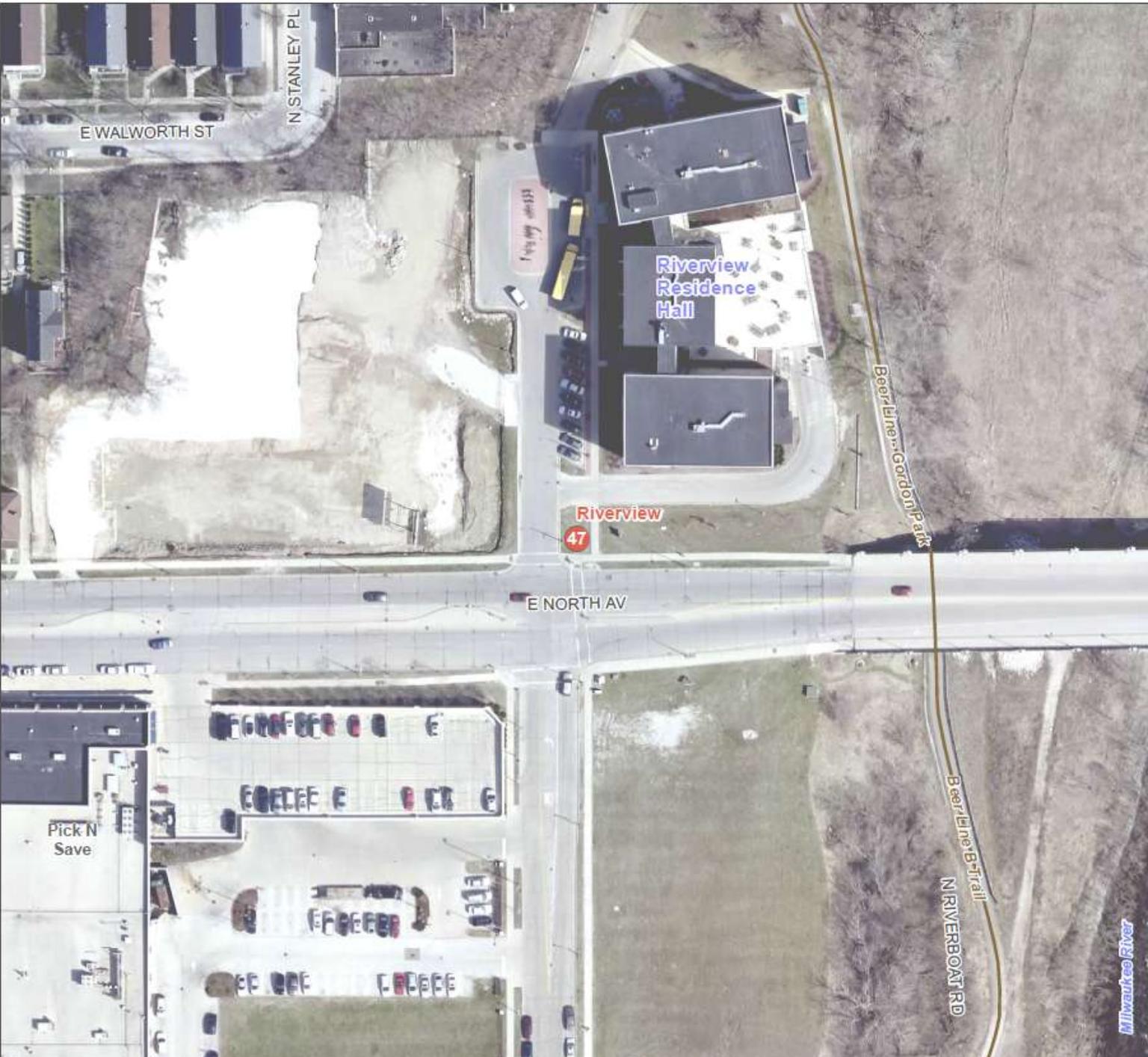


Bike Share Station #47 Riverview

- # Existing Bike Station
- # Station Scheduled for 2016 Installation
- # Proposed 2016 Bike Station
- ✳ Designated Historic Site
- # Historic District
- Parks
- ~ Off-Street Bike Trails
- ~ Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 1/8/2016



5' Sidewalk Clearance
along North Ave. for
side of station

5.5' Lateral Clearance
to Concrete Pad

ROW Line

12' wide concrete pad in City ROW

5' Sidewalk Clearance

**#47 – Riverview Residence Hall
(possible station expansion)**

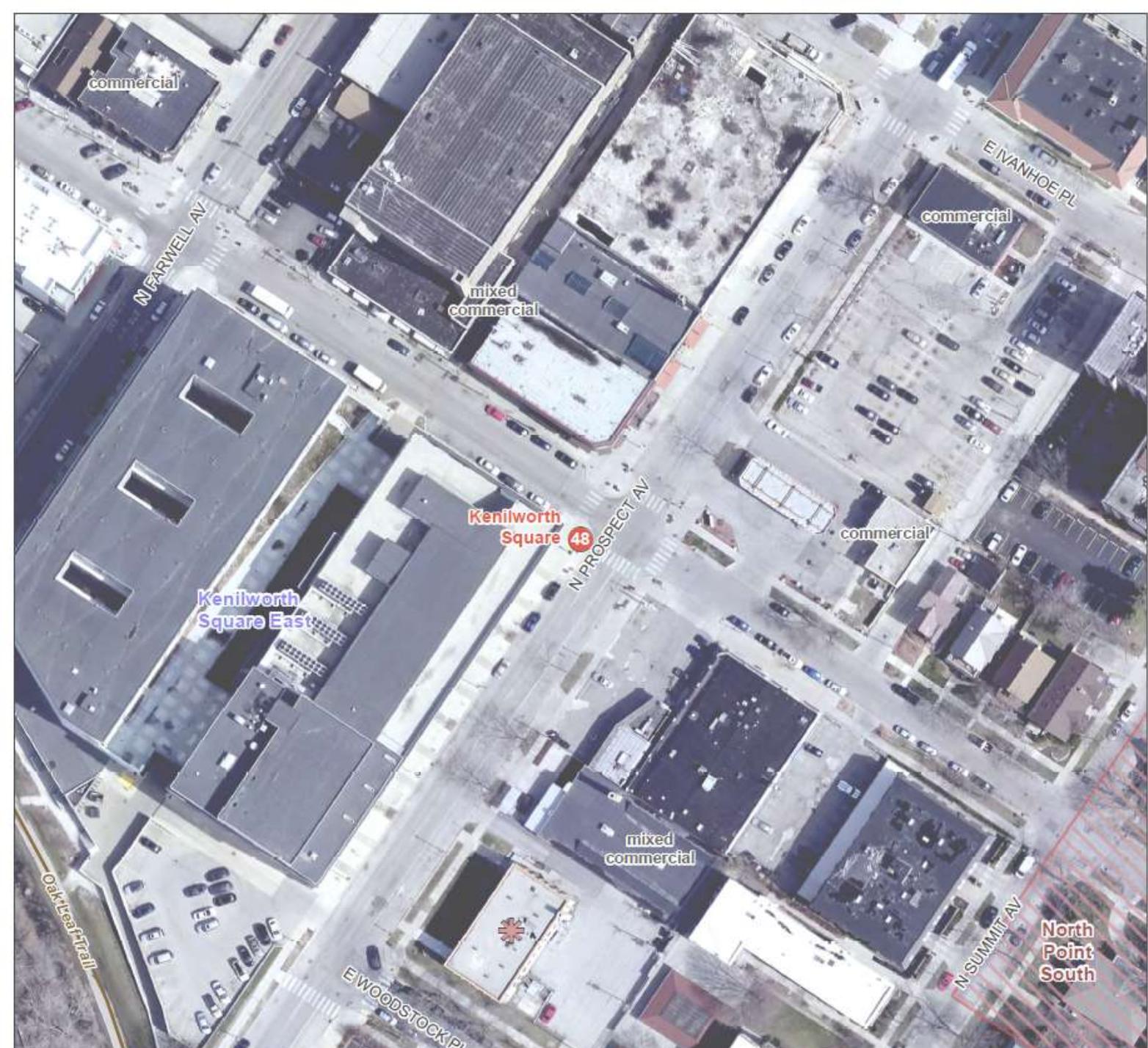


Bike Share Station #48 Kenilworth Square

- # Existing Bike Station
- # Station Scheduled for 2016 Installation
- # Proposed 2016 Bike Station
- ✳ Designated Historic Site
- ▭ Historic District
- Parks
- ~ Off-Street Bike Trails
- ~ Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 1/8/2018



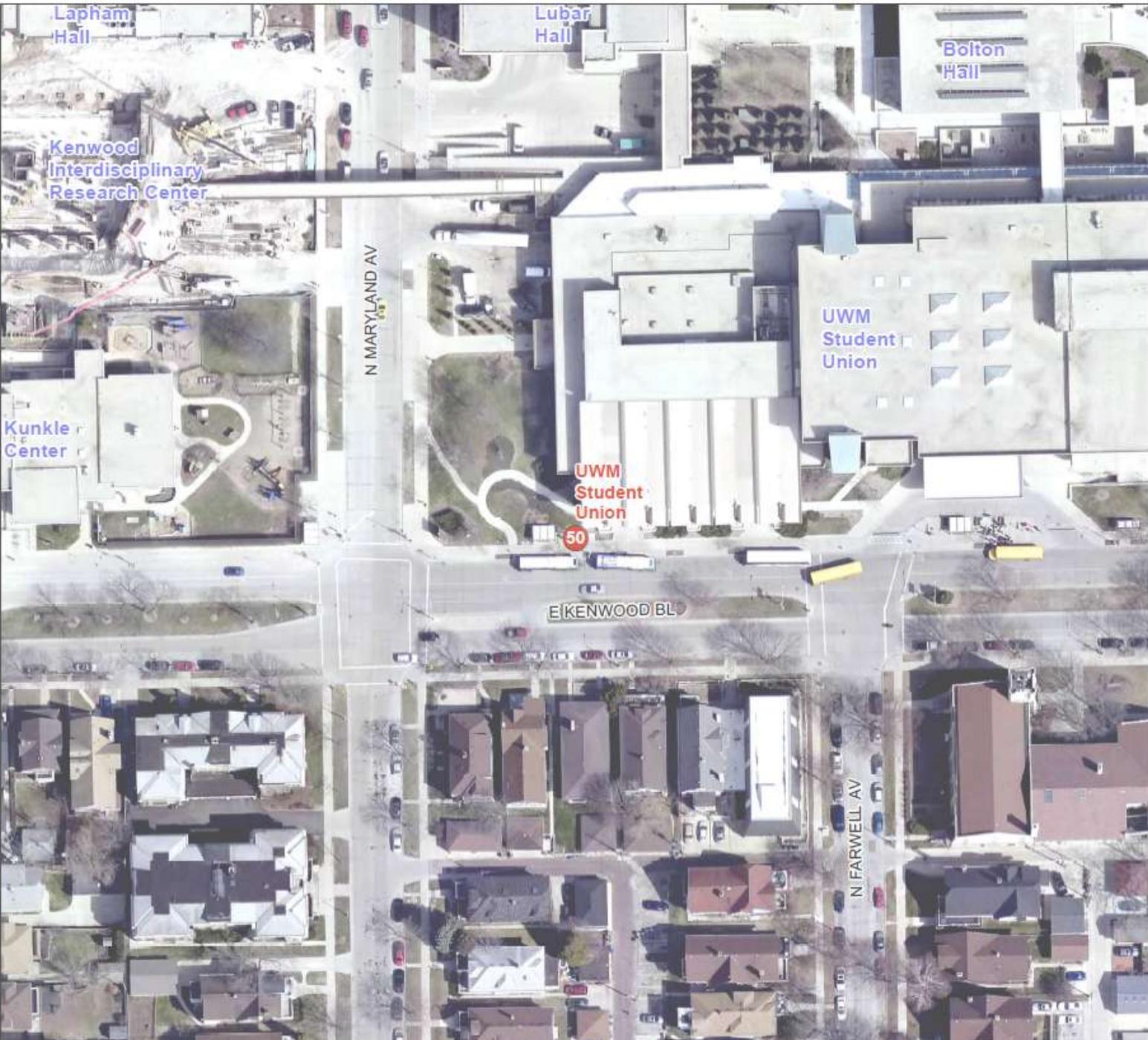


ROW Line

8' Sidewalk Clearance

4.5' Lateral Clearance

**#48 – Kenilworth Square
(possible station expansion)**



Bike Share Station #50 UWM Student Union

- # Existing Bike Station
- # Station Scheduled for 2016 Installation
- # Proposed 2016 Bike Station
- Designated Historic Site
- Historic District
- Parks
- Off-Street Bike Trails
- Freeway



0 25 50 100 Feet



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 1/6/2015





ROW Line

8' Sidewalk Width

3' Lateral Clearance

3.5' Clearance to
Street Light Pole

**#50 – UWM Student Union
(possible station expansion)**



Bike Share Station #54 King Park

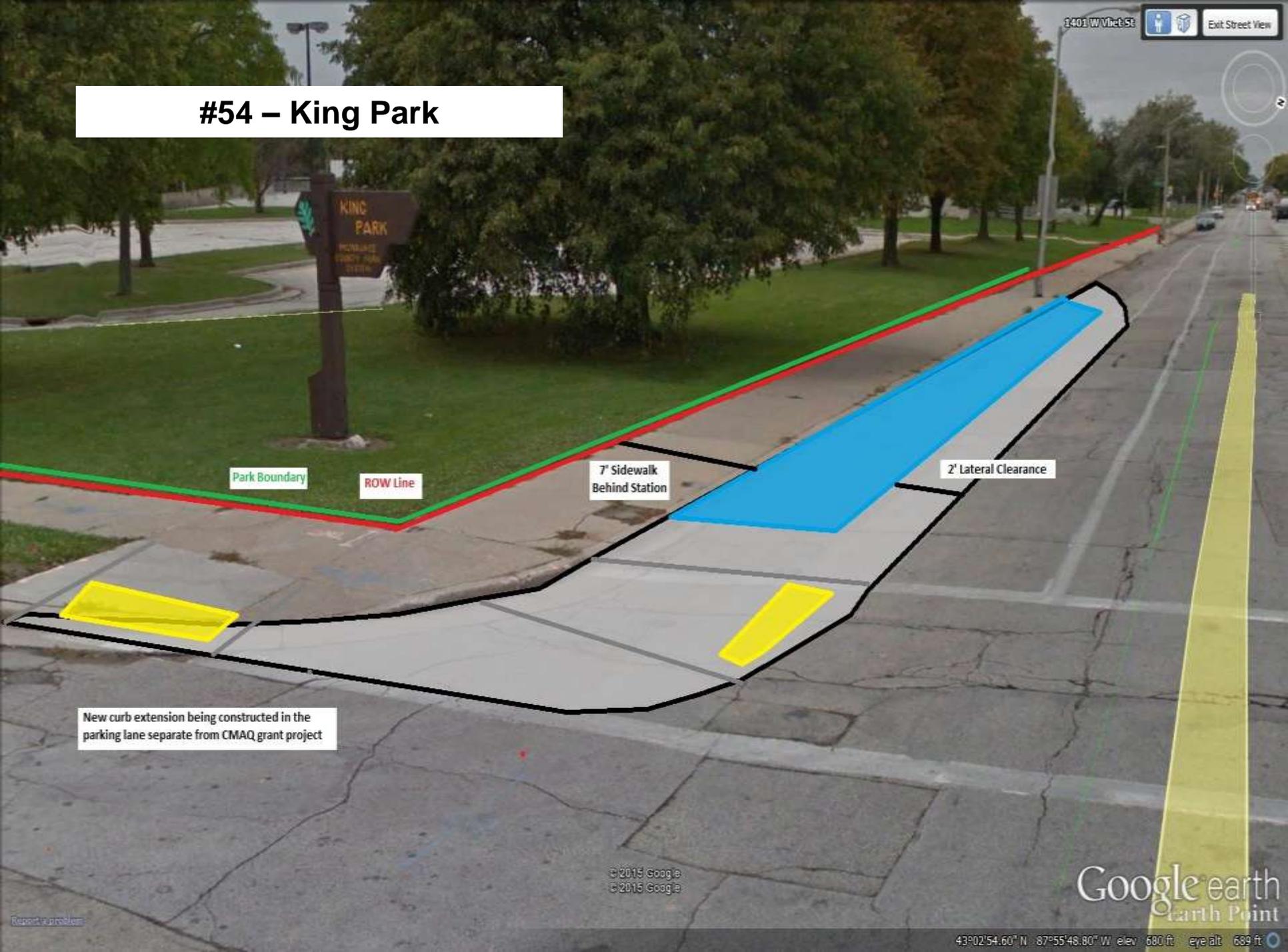
- # Existing Bike Station
- # Station Scheduled for 2016 Installation
- # Proposed 2016 Bike Station
- ✳ Designated Historic Site
- # Historic District
- Parks
- ~ Off-Street Bike Trails
- ~ Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 1/8/2016



#54 – King Park



Park Boundary

ROW Line

7' Sidewalk Behind Station

2' Lateral Clearance

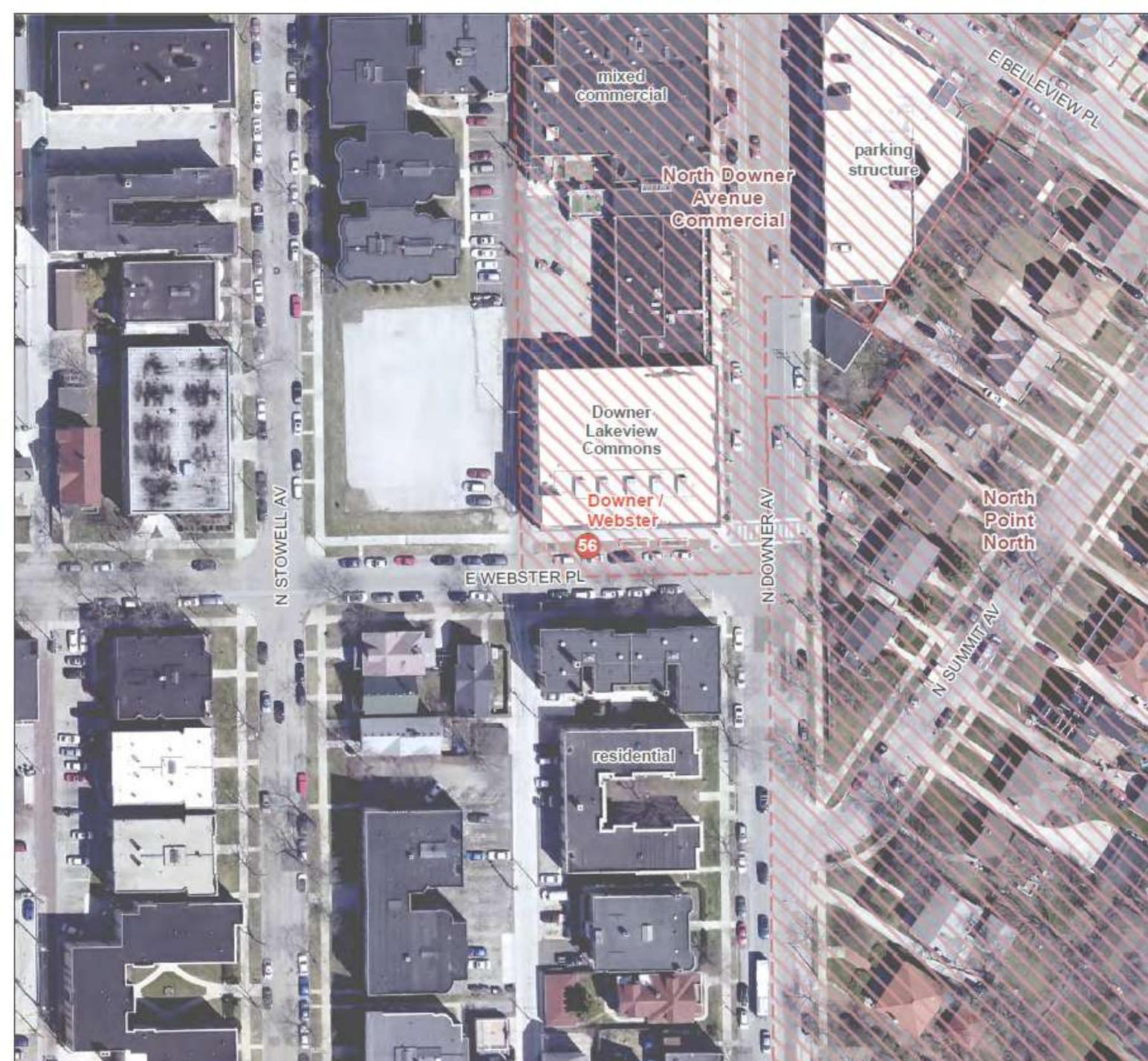
New curb extension being constructed in the parking lane separate from CMAQ grant project

Bike Share Station #56 Downer / Webster

- # Existing Bike Station
- # Station Scheduled for 2016 Installation
- # Proposed 2016 Bike Station
- ✳ Designated Historic Site
- ▭ Historic District
- Parks
- ~ Off-Street Bike Trails
- ~ Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 12/29/2015



#56 – Downer/Webster



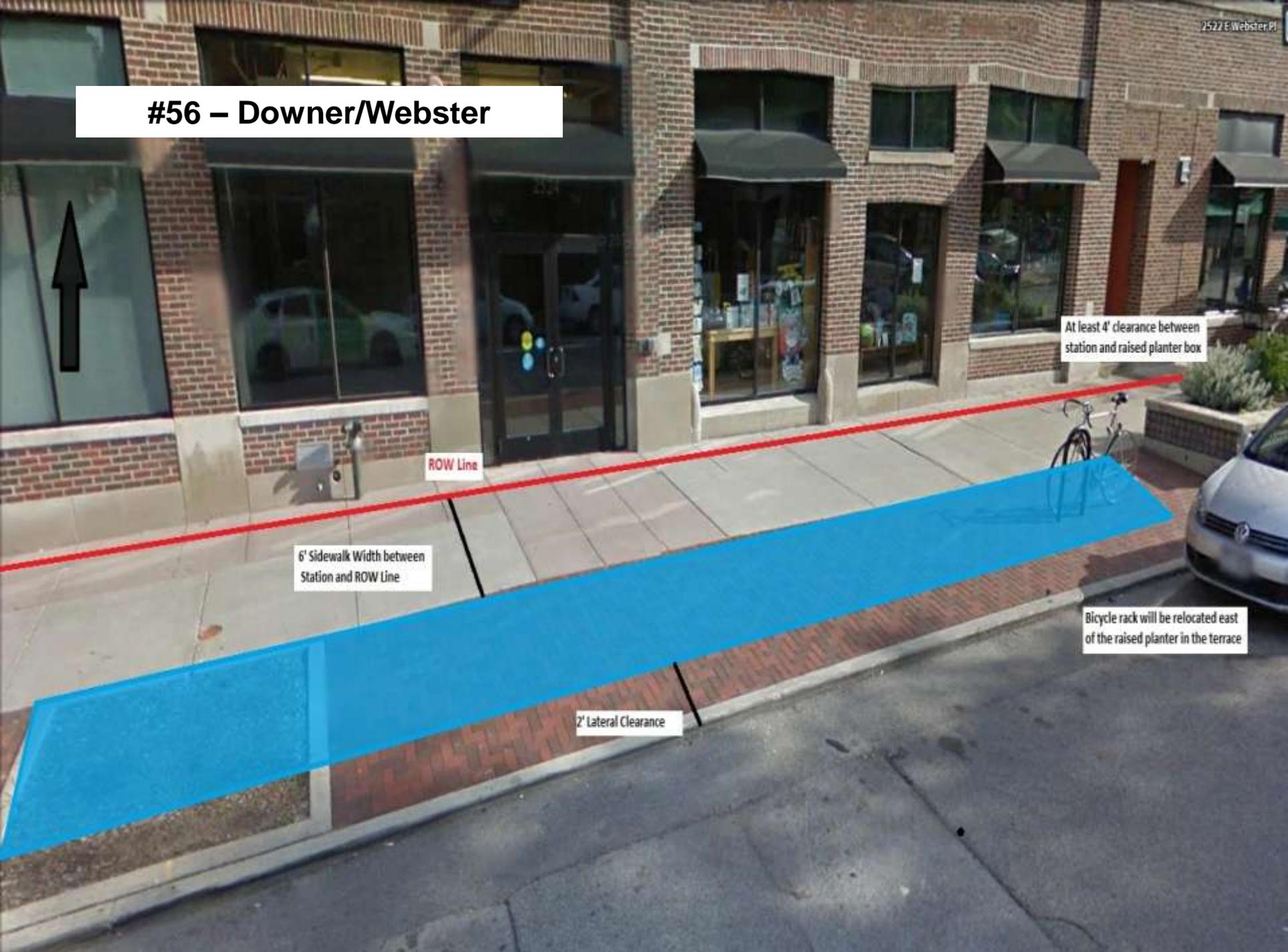
At least 4' clearance between station and raised planter box

ROW Line

6' Sidewalk Width between Station and ROW Line

Bicycle rack will be relocated east of the raised planter in the terrace

2' Lateral Clearance

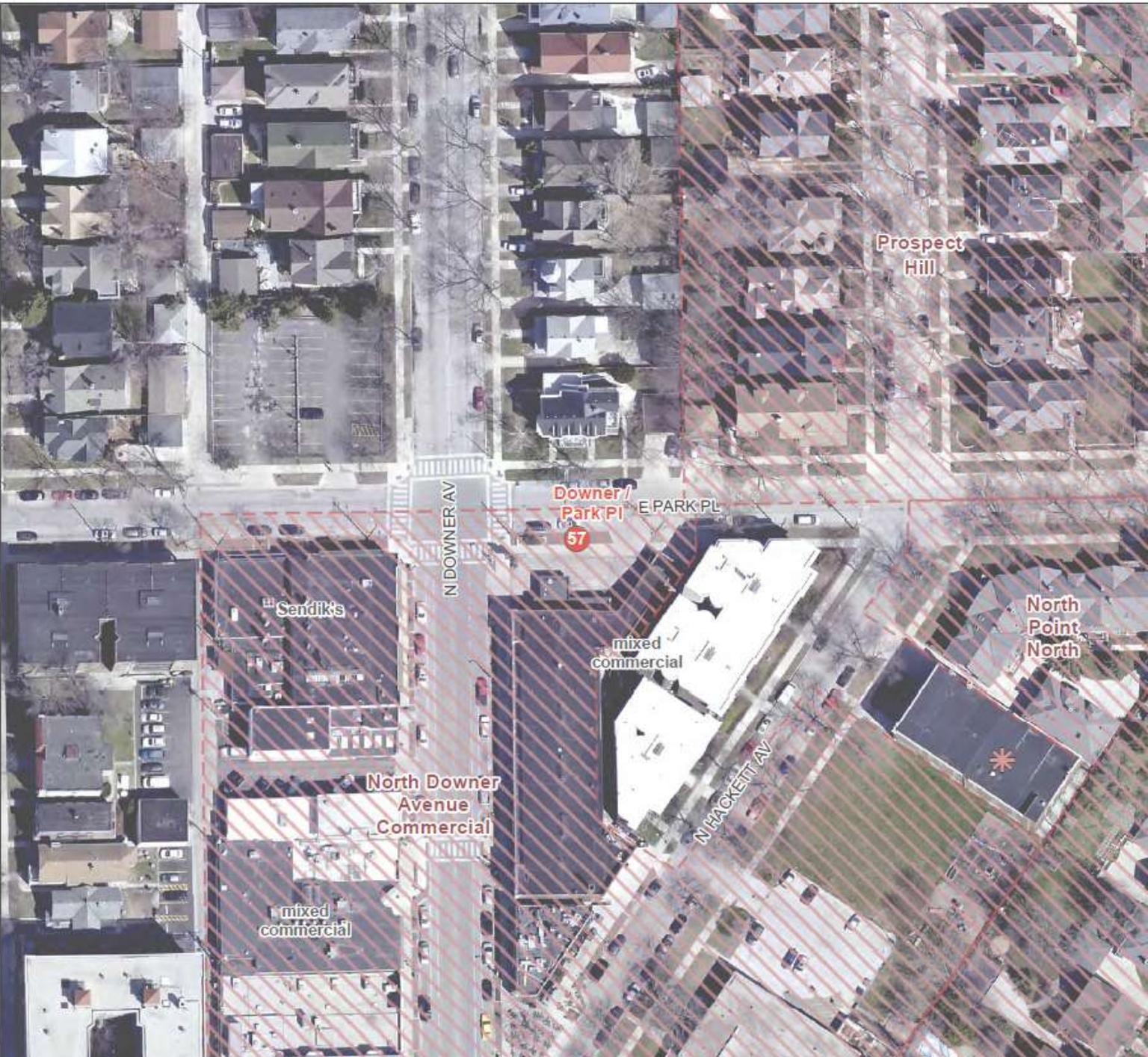


**Bike Share Station #57
Downer / Park Pl**

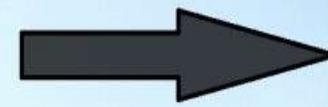
- Existing Bike Station
- Station Scheduled for 2016 Installation
- Proposed 2016 Bike Station
- Designated Historic Site
- Historic District
- Parks
- Off-Street Bike Trails
- Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 12/29/2015



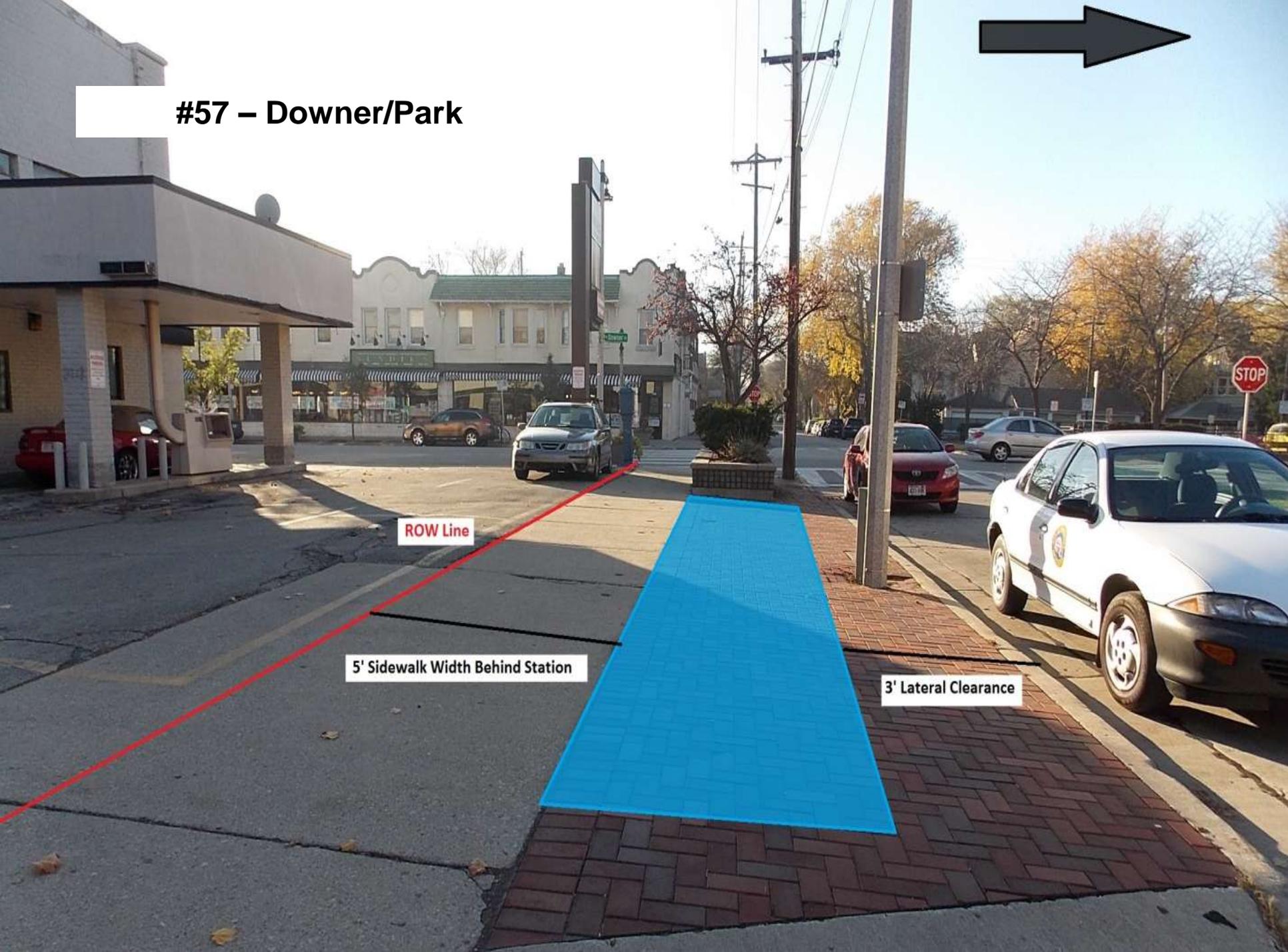
#57 – Downer/Park



ROW Line

5' Sidewalk Width Behind Station

3' Lateral Clearance

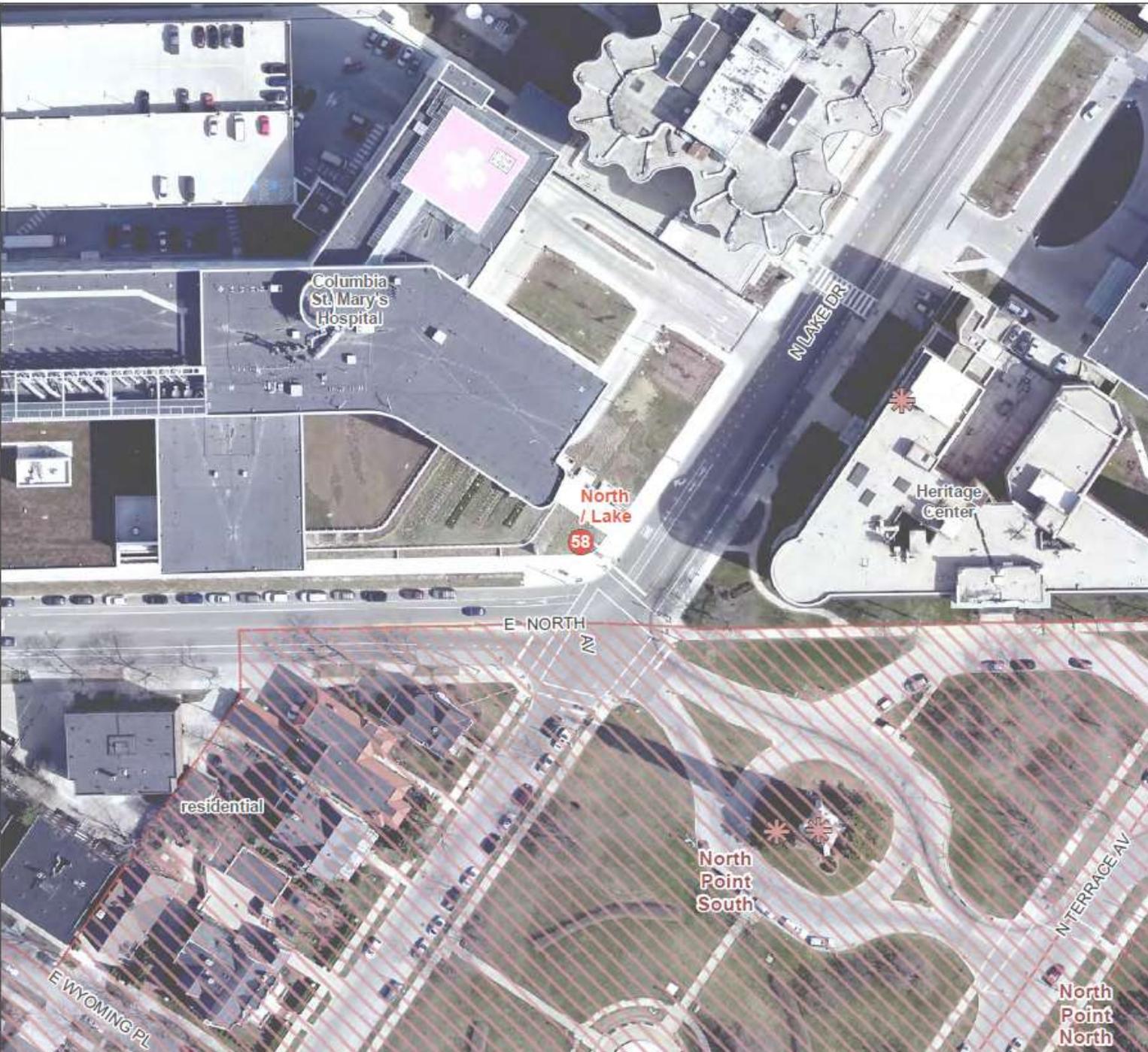
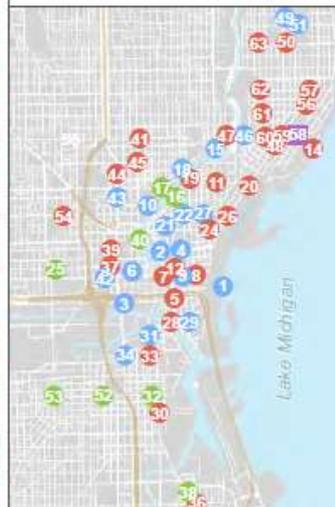


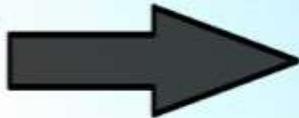
Bike Share Station #58 North / Lake

- # Existing Bike Station
- # Station Scheduled for 2016 Installation
- # Proposed 2016 Bike Station
- ✳ Designated Historic Site
- ▭ Historic District
- ▭ Parks
- ~ Off-Street Bike Trails
- ~ Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 12/29/2015



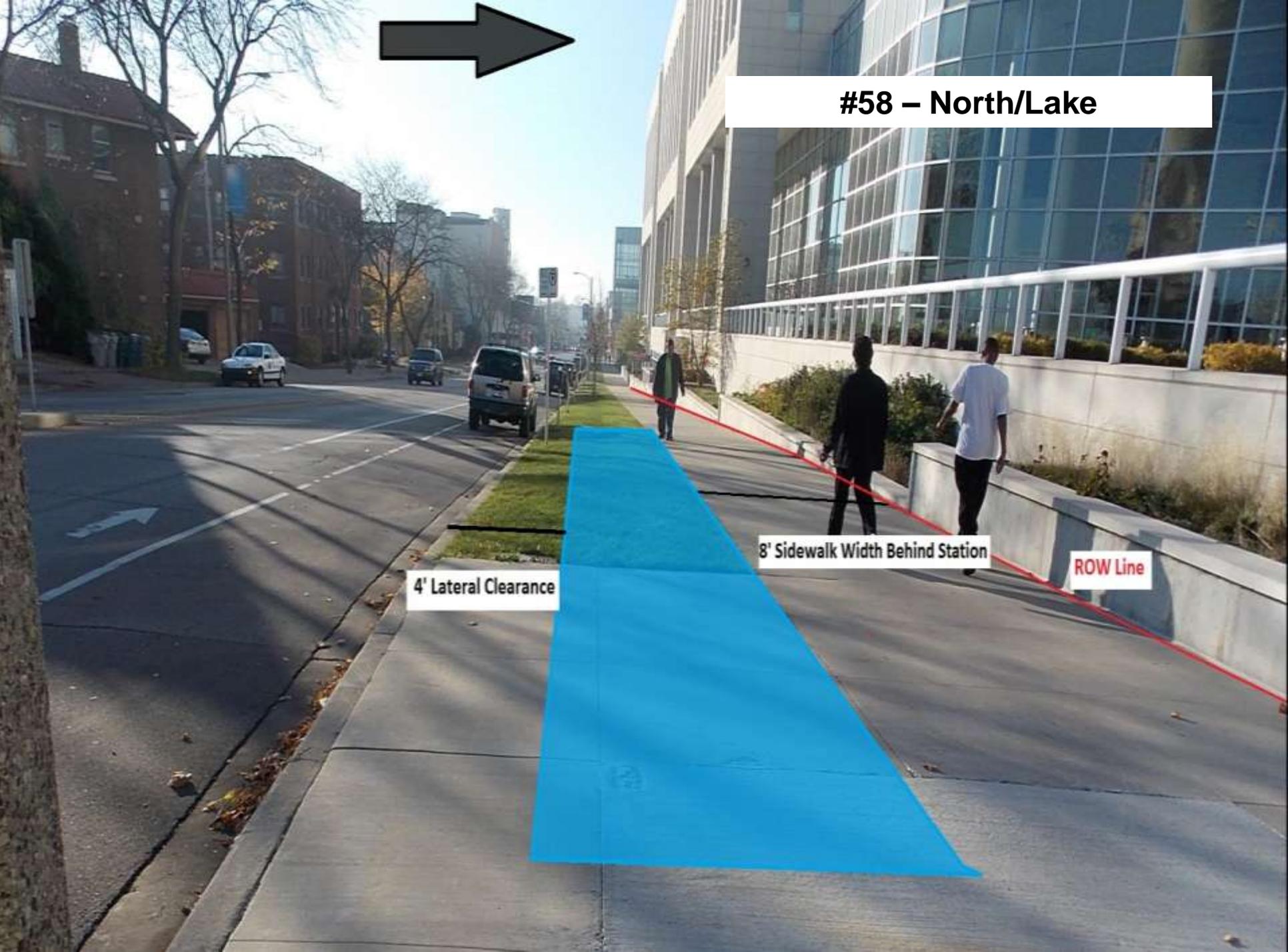


#58 – North/Lake

4' Lateral Clearance

8' Sidewalk Width Behind Station

ROW Line

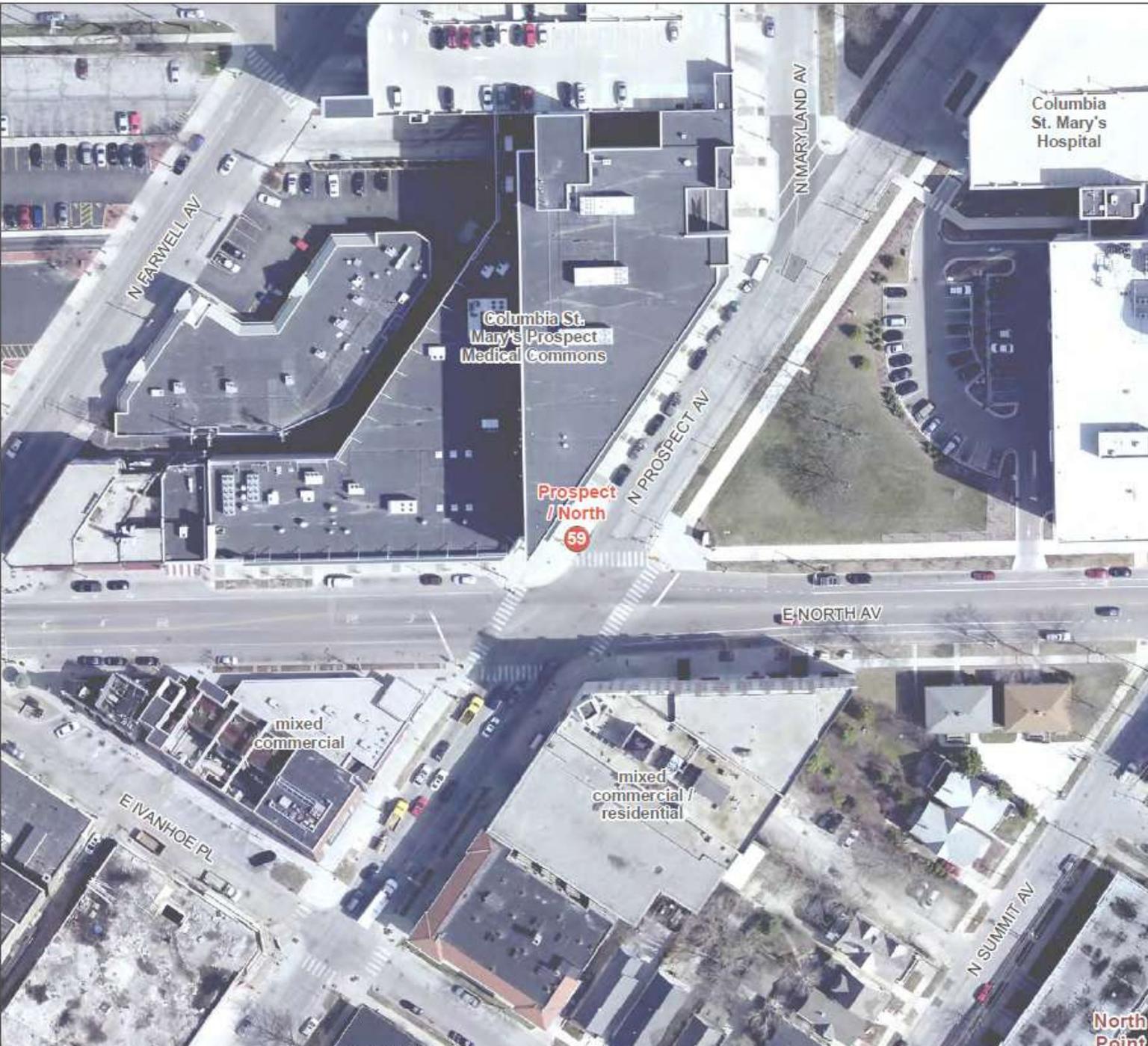


Bike Share Station #59 Prospect / North

- # Existing Bike Station
- # Station Scheduled for 2016 Installation
- # Proposed 2016 Bike Station
- ✳ Designated Historic Site
- # Historic District
- Parks
- ~ Off-Street Bike Trails
- ~ Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 12/29/2015



#59 – Prospect/North



3' Lateral Clearance

ROW Line

6' Sidewalk Width Behind Station

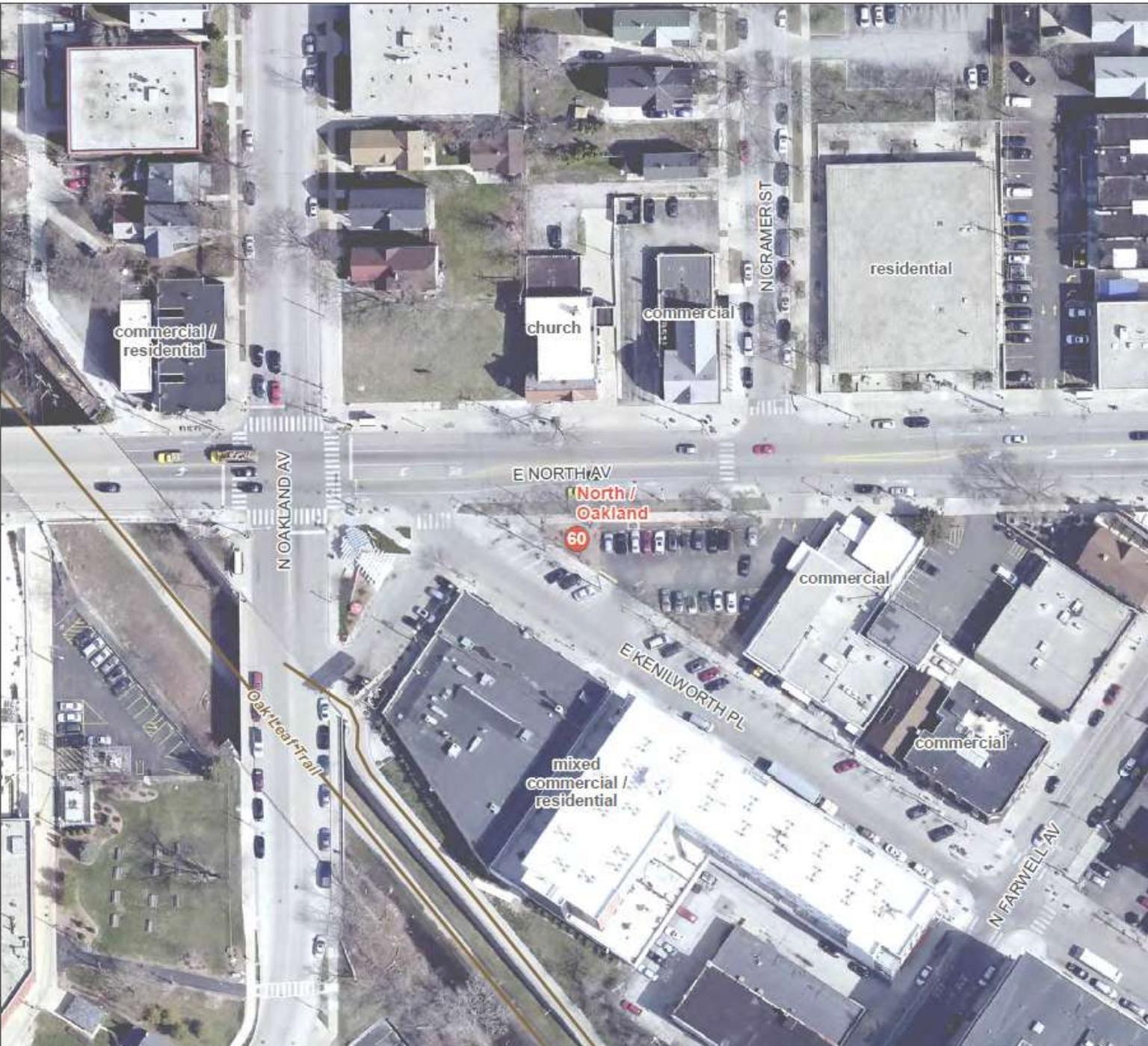
11.03.2015

Bike Share Station #60 North / Oakland

- # Existing Bike Station
- # Station Scheduled for 2016 Installation
- # Proposed 2016 Bike Station
- ✳ Designated Historic Site
- # Historic District
- Parks
- ~ Off-Street Bike Trails
- ~ Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 12/29/2015



#60 – North/Oakland

CURB
LANE
BICYCLES
& PARKING
ONLY

30

3' Lateral Clearance

ROW LINE

6' Sidewalk Width Behind Station

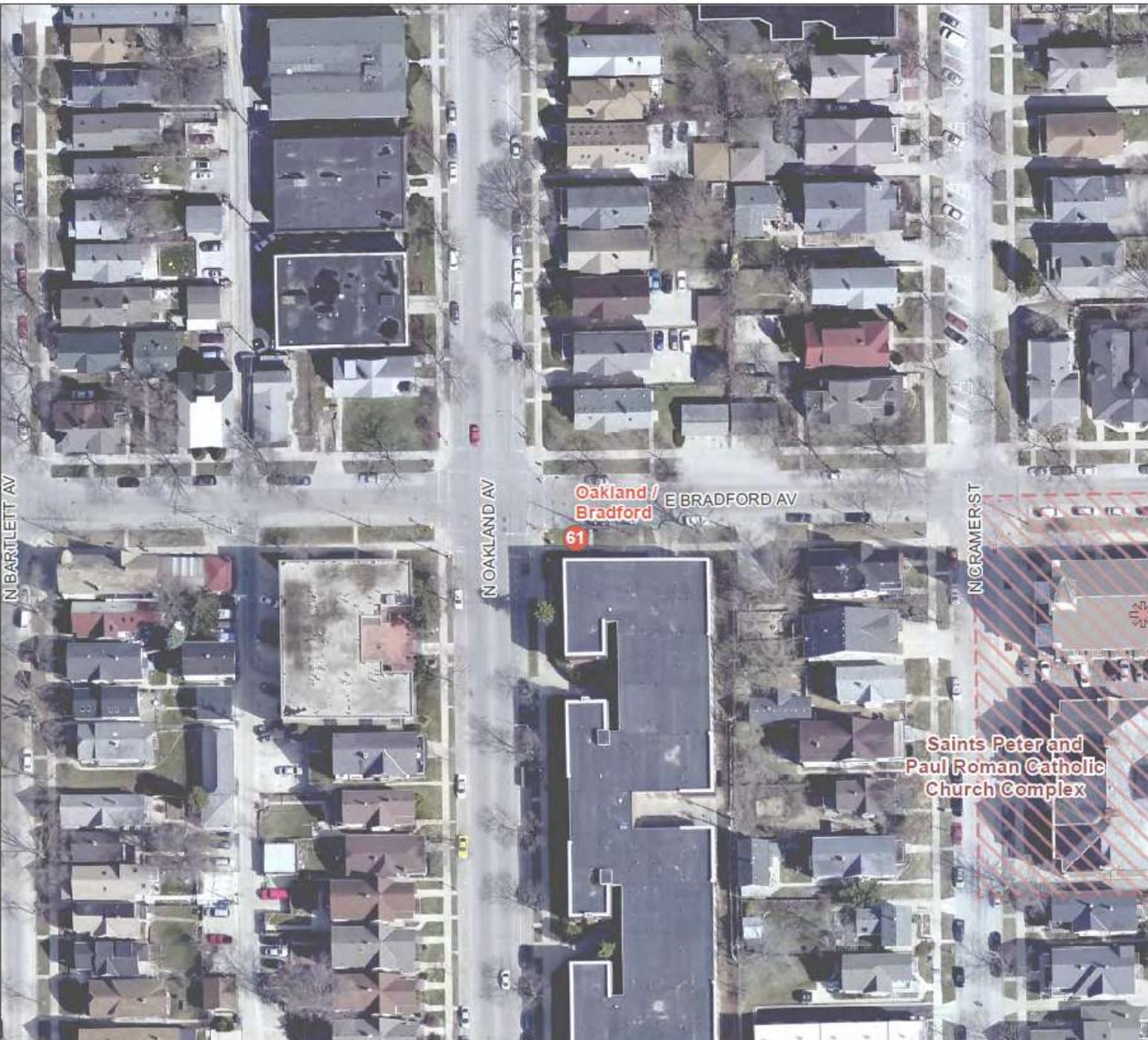


**Bike Share Station #61
Oakland / Bradford**

- # Existing Bike Station
- # Station Scheduled for 2016 Installation
- # Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Parks
-  Off-Street Bike Trails
-  Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 12/30/2015



#61 – Oakland/Bradford

3' Lateral Clearance from Rear of Second Row of Bicycles

3' Clearance from Signal Cabinet

ROW Line

5' Sidewalk Width Behind Station

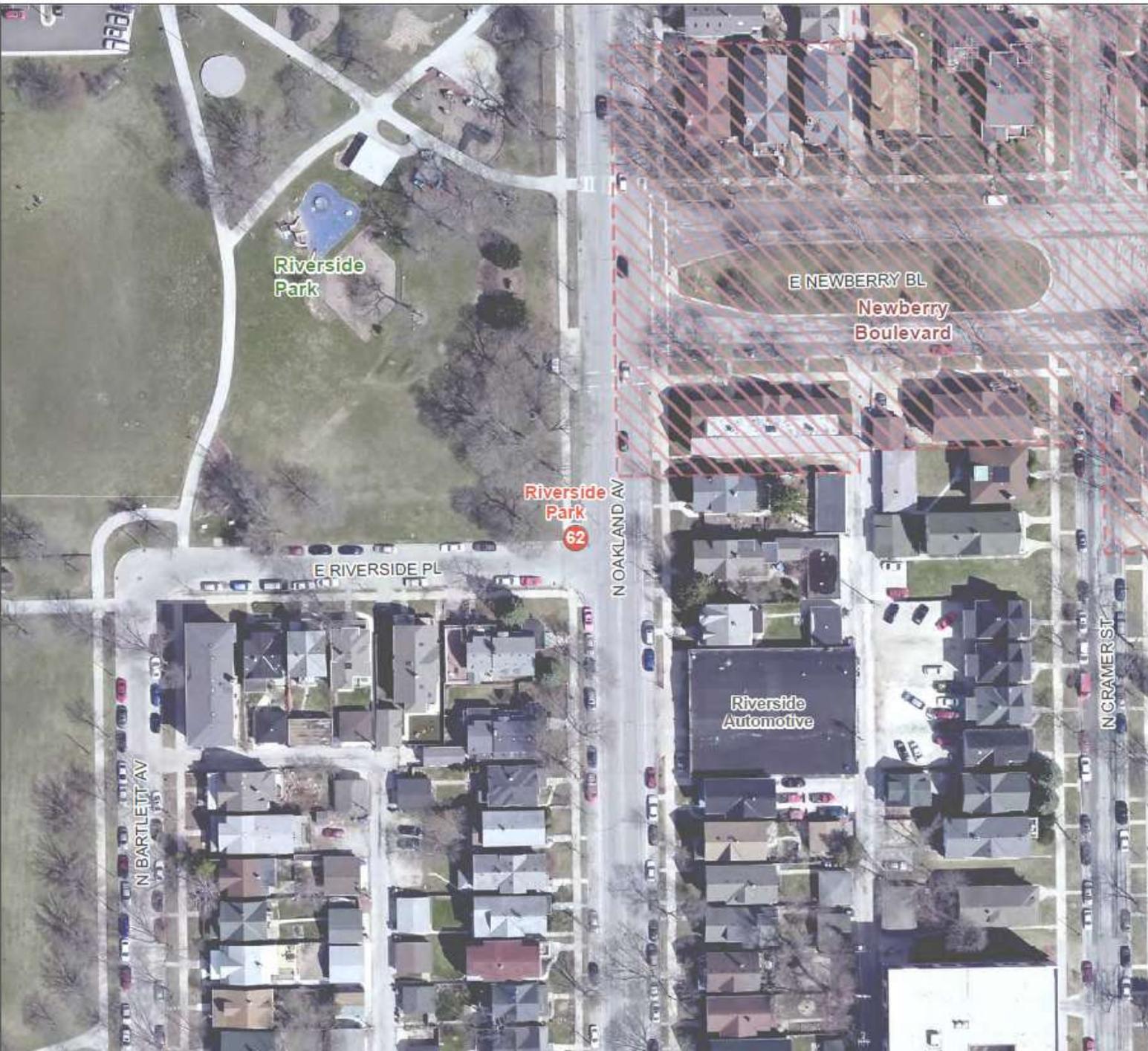
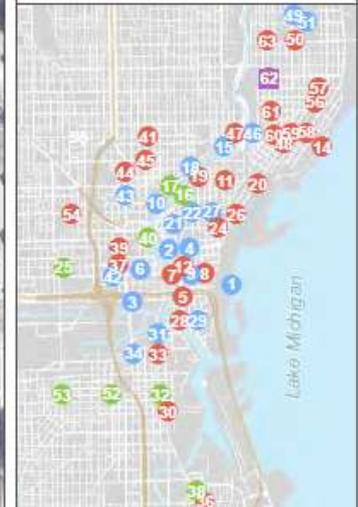
11.03.2015

Bike Share Station #62 Riverside Park

- # Existing Bike Station
- # Station Scheduled for 2016 Installation
- # Proposed 2016 Bike Station
-  Designated Historic Site
-  Historic District
-  Parks
-  Off-Street Bike Trails
-  Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 12/30/2015



#62 – Riverside Park

Min. 3' Clearance
from Fire Hydrant

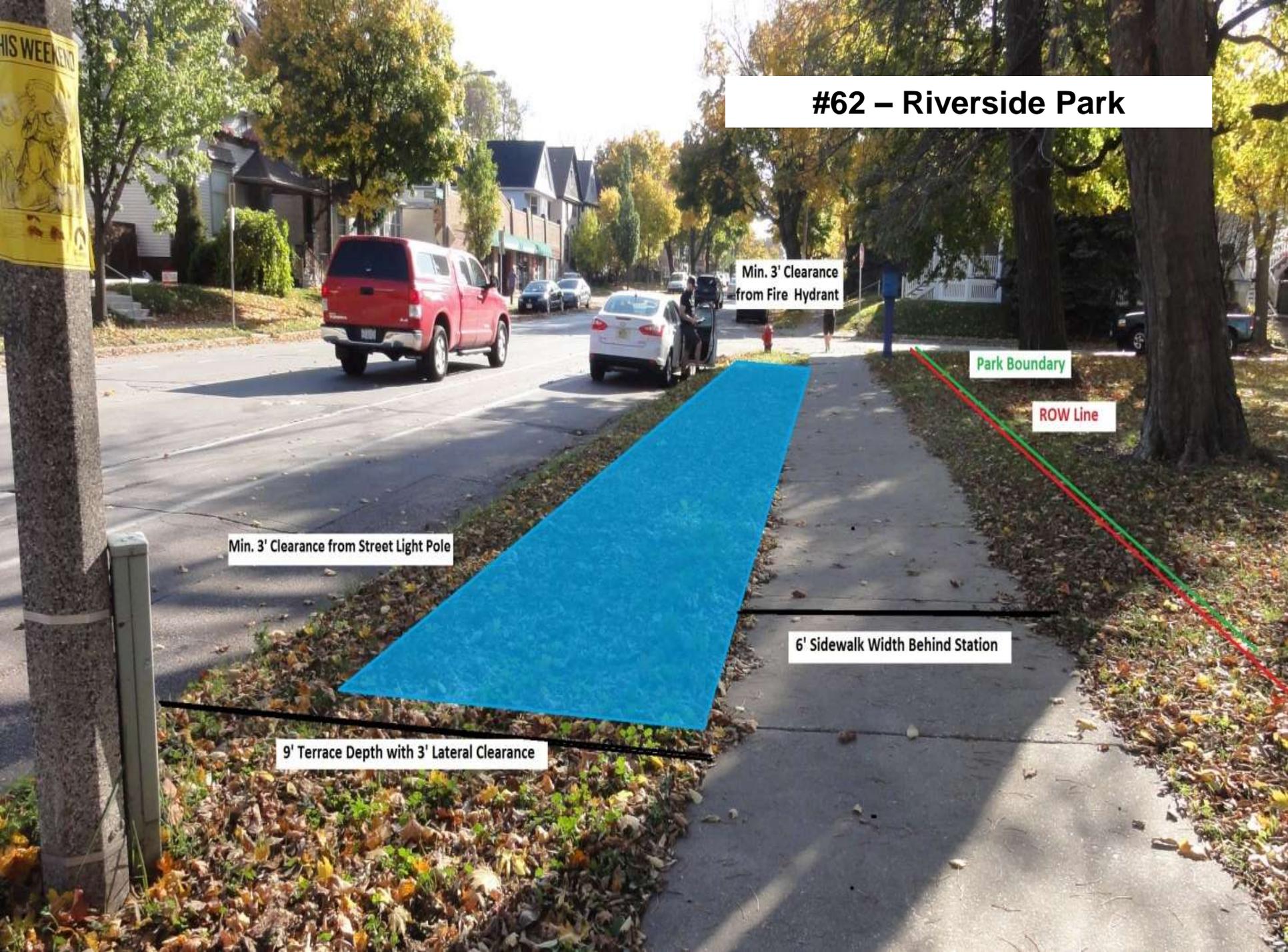
Park Boundary

ROW Line

Min. 3' Clearance from Street Light Pole

6' Sidewalk Width Behind Station

9' Terrace Depth with 3' Lateral Clearance

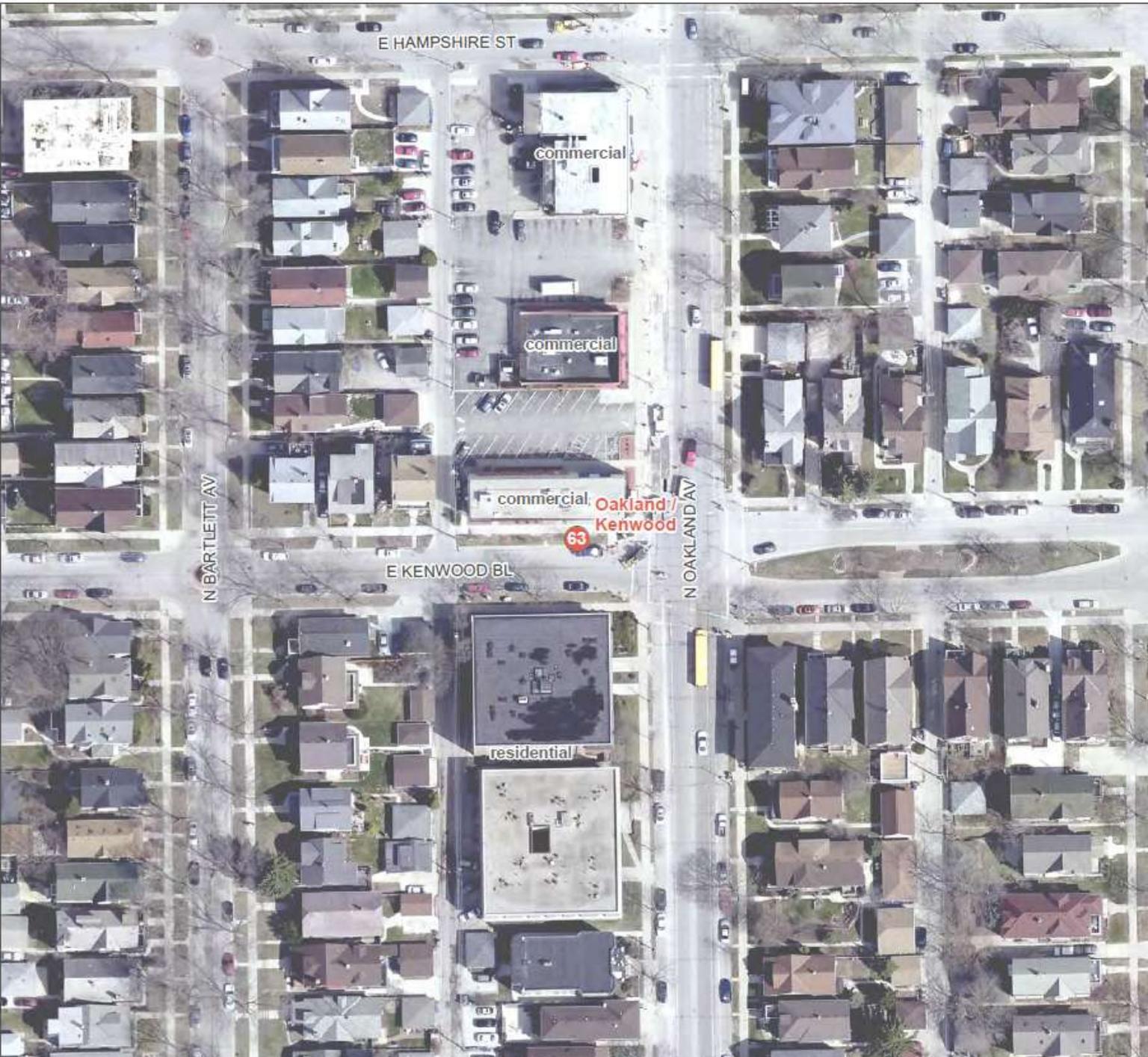


**Bike Share Station #63
Oakland / Kenwood**

- Existing Bike Station
- Station Scheduled for 2016 Installation
- Proposed 2016 Bike Station
- Designated Historic Site
- Historic District
- Parks
- Off-Street Bike Trails
- Freeway



Data Sources: City of Milwaukee
DOA-ITMD-GIS, DPW, DCD, HPC
Prepared by City of Milwaukee
DOA-ITMD-GIS-gis, 12/30/2015



#63 – Oakland/Kenwood



2' Lateral Clearance

5' Sidewalk Width Behind Station

ROW Line