

EVANSTON, ILLINOIS

Bicycle & Pedestrian Improvements



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2014 Bicycle Plan Recommendations

27 Corridors Identified
For Analysis

8 Corridors Selected
For Further
Refinement

3 Corridors Already
Under Consideration
& Planning



Bike Lane Projects

- Connect the City E-W & N-S
 - McCormick and Lake Front paths
 - Church St
 - Davis St
 - Chicago Bike Lanes to Wilmette
 - Dodge Ave
 - Chicago Ave & Sheridan Rd





Dodge Avenue Bike Lanes

NEED FOR PROTECTED BIKE LANES

1. Location/Connections

- Primary route for Evanston Township High School
 - 323 parked bicycles on 9/7 @2:30pm
- Adjacent to Dewey Elementary School
- Adjacent to two community centers + James Park
- Adjacent to multiple shopping areas



2. Accident Data

- 2008 – 2012: 20 crashes involving bicyclists
- 5 crashes at Dodge & Main, including 1 fatality

NEED FOR PROTECTED BIKE LANES

Dodge Avenue Bicycle Use Data*

Intersection	2001 Sept	2013 Oct	2014 June	2016 8/29 - 9/7	% Increase 2014 - present
Dodge & Church	34	29	44	92	109%
Dodge & Dempster			41	226	451%
Dodge & Main			60	123	105%
Dodge & Oakton	18	51	45	106	136%

Protected Bike Lane Installation
in June 2016

* (bicycle counts taken on a weekday for a 2 hour period, either 7-9am or 8-10am)

Project History

Timeline	Activity
February 2013	CMAQ Grant Application
September 2014	City Council Approval for Revisions
November 2014	Public Engagement Meeting (Mason Park)
December 2014	Public Engagement Meeting (Levy Center)
January 2015	Parking and Transportation Committee Approval
February 2015	City Council Approval of Final Project
April 2015 – February 2016	Project Bid and Award
June 2016	Project Construction
September 2016	City Council Presentation – Potential Modifications
October 2016	City Council Presentation – Results from Modifications
April 2018	City Council Discussion – Discussion of Removal of Bicycle Lanes in Limited Areas (denied)

Public Concern No. 1: Bus Stops Causing Conflict

Concern – Frequent bus stops are blocking traffic, and new lane configuration prevents buses from pulling off to the side.

Potential Solution:
Work with CTA to eliminate flag stops and implement ¼ mile bus stops. Define these stops with infrastructure.



Public Concern No. 1 Bus Stops Causing Conflict

Concern – Frequent bus stops are blocking traffic, and new lane configuration prevents buses from pulling off to the side.

Potential Solution:
Create a space for bus to pull out of traffic. Results in loss of approx. 2 – 5 parking spaces for each stop.

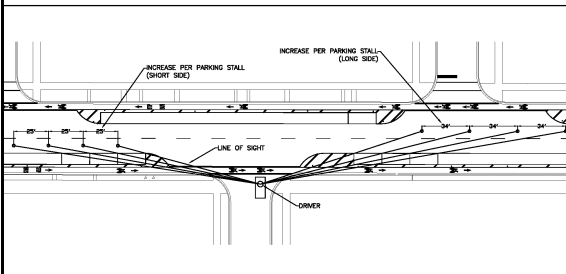
Public Concern No. 2 Reduced Visibility at Intersections

Concern – With the parking lane moved further from the curb line, there is decreased visibility for cars pulling out from cross streets

Potential Solution:
Remove 2 – 4 parking spaces at each intersection to improve visibility.



Public Concern No. 2 Reduced Visibility at Intersections



Public Concern No. 3 Emergency Vehicle Access

Concern – How will motorists be able to pull out of traffic so that emergency vehicles can get through?

Potential Solution:
Remove the bollards around the areas striped for "No Parking" to provide visibility at each intersection.



Public Concern No. 4 Street Cleaning and Snow Removal

Concern – How will the protected bike lanes have debris and snow removed?

Potential Solution:
Similar to other protected bike lanes in Evanston, specialized equipment will be used to remove debris, leaves and snow. Bollards will be removed from October through April to facilitate cleaning.



Public Concern No. 5 Cost of Protected Bike Lane Removal

Concern – Can the project be reversed and put back the way it was?

Potential Solution:
Yes – the project can be reversed, but at a significant cost to the City. Because the City received a Congestion Mitigation Air Quality (CMAQ) grant, the City's share of the construction cost was \$92,000.

To reconfigure the traffic lanes, the grant would need to be repaid and the City would bear the entire construction cost.

Description	Cost
Construction	\$450,000
Grant Repayment	\$364,149
Contingency (15%)	\$122,122
Total	\$940,000

Summary of Potential Modifications

1. Work with CTA to eliminate flag stops and implement bus stops at ¼ mile spacing. **Ongoing – currently implementing pilot at 1/8 mile and eliminating flag stops**
2. Work with CTA to create pull-off areas for buses, reducing parking by 2 – 5 spaces at each stop. **Complete**
3. Remove additional 2 – 4 parking spaces at each cross street to improve visibility. **Complete**
4. Remove the bollards around the areas striped for "No Parking" at each intersection. **Complete**

Accident Data Analysis

Type of Accident	2015	2017	Change
Pedestrian	2	3	1
Bicyclist	10	3	-7
Head-On	4	1	-3
Angle	17	5	-12
Side-Swipe (Same Direction)	14	14	0
Side-Swipe (Opposite Direction)	1	1	0
Turning	21	20	-1
Parked Vehicle	11	32	21
Rear-End	55	34	-21
Other	5	2	-3
TOTAL	140	115	-25
Injuries	27	11	-16



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Chicago & Sheridan Bike Lanes

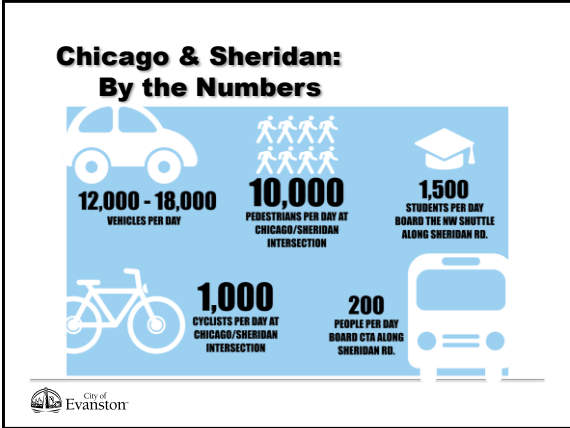


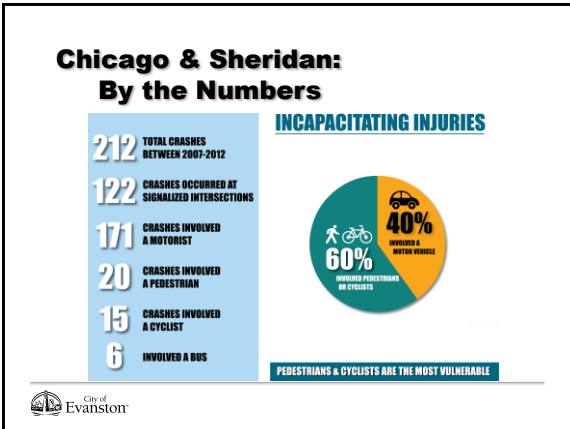
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Chicago & Sheridan: Existing Conditions

- Major north-south arterial
 - Connecting North Shore with Chicago and Northwestern University
- Jurisdiction transferred to the City from IDOT in 2008
- Multi modal corridor – pedestrians, bikes, buses, TNPs, taxis, cars...
- Best example of a complete street corridor





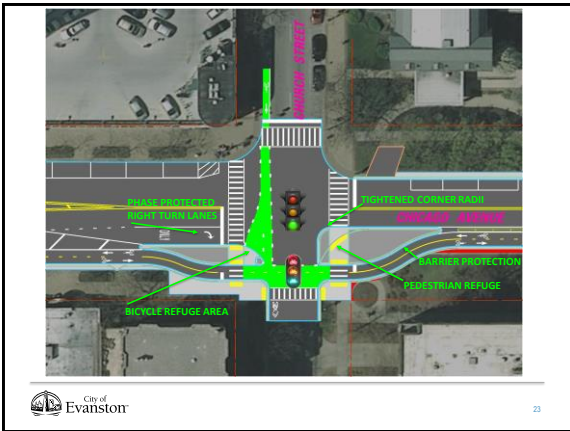


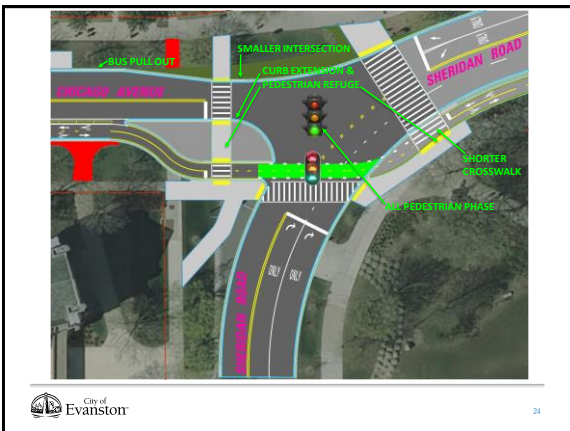
COMMUNITY INVOLVEMENT

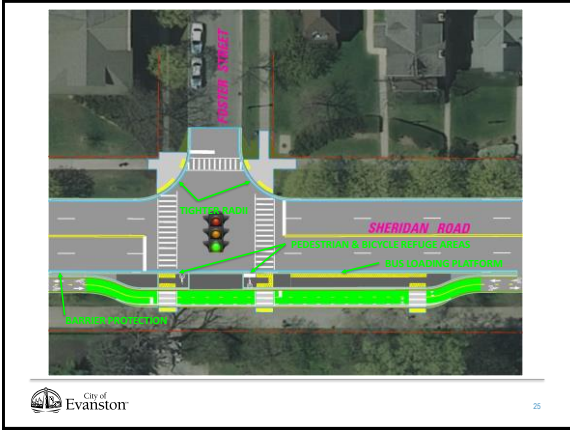
MAY 29, 2014	1 st Steering Committee Meeting	
JUNE 3, 2014	1 st Ward Meeting	
JULY 10, 2014	2 nd Steering Committee Meeting	
JULY 14, 2014	A&PW Presentation	
JULY 19, 2014	Corridor Bike Ride	
JULY 19, 2014	Public Information Meeting	
AUG. 4, 2014	3 rd Steering Committee Meeting	
AUG. 28, 2014	7 th Ward Meeting	
SEPT. 10, 2014	4 th & 9 th Ward Meeting	
SEPT. 11, 2014	2 nd Ward Meeting	
SEPT. 17, 2014	Northwestern Student Government Association	
SEPT. 18, 2014	5 th Ward Meeting	
APR. 23, 2015	4 th Steering Committee Meeting	

City of Evanston













Future Projects

- Continue to connect the City E-W & N-S
 - McCormick and Lake Front paths
 - Complete Church St
 - Main St Improvements
 - Bike boulevard on low stress streets
 - Chicago Bike Lanes to Wilmette
 - Complete Chicago Ave



Questions?



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