

Initial Findings: Kinzie Street Protected Bike Lanes

Supplemental Data

CDOT Field Survey of bicyclists conducted July 2011 by Bike Ambassadors found the following:

How safe do you feel riding in the protected bike lane?
(1 to 5: 5 being very safe, 1 being not safe at all)

Most reported answer: 5
Average of answers: 4.4

<u>Response</u>	<u>Total</u>	<u>Percentage</u>
1:	0	0.0%
2:	2	2.1%
3:	8	8.5%
4:	30	31.9%
5:	51	54.3%

How safe do you feel riding in a standard bike lane?
(1 to 5: 5 being very safe, 1 being not safe at all)

Most reported answer: 3
Average of answers: 2.9

<u>Response</u>	<u>Total</u>	<u>Percentage</u>
1:	2	2.1%
2:	22	23.4%
3:	52	55.3%
4:	15	16.0%
5:	1	1.1%

Was Kinzie part of your normal route prior to the protected bike lane?

<u>Response</u>	<u>Total</u>	<u>Percentage</u>
Yes:	56	59%
No:	39	41%

Do you consider motorist behavior safer?

<u>Response</u>	<u>Total</u>	<u>Percentage</u>
Yes:	44	49%
No:	29	33%
Indifferent/Don't Know/First Time:	16	18%

Traffic counts on Kinzie at Clinton found the following:

Count 1, Bikes only:

Location: 540 W. Kinzie St.
Date: May 15, 2011
Time: 7 AM- 9 AM
Weather: 70° cloudy, light breeze

Findings:	<u>Direction</u>	<u>Number</u>	<u>Percent of total bike traffic</u>
	Eastbound:	348	84%
	Westbound:	65	16%
	Total:	413	

Count 2, Bikes only:

Location: 540 W. Kinzie St.
Date: July 12, 2011
Time: 7 AM- 9 AM
Weather: 80° full sun, light to no breeze

Findings:	<u>Direction</u>	<u>Number</u>	<u>Percent of total bike traffic</u>
	Eastbound:	556	85%
	Westbound:	100	15%
	Total:	656	

Count 3, Bikes and Cars, AM:

Location: 540 W. Kinzie St.
Date: August 10, 2011
Time: 7 AM- 9 AM
Weather: 65° full sun, strong breeze

Findings:	<u>Bicyclists:</u>	<u>Number</u>	<u>Percent of total bike traffic</u>
	Eastbound:	520	83%
	Westbound:	103	17%
	Total:	623	

	<u>Automobiles:</u>	<u>Number</u>	<u>Percent of total automobile traffic</u>
	Eastbound:	466	39%
	Westbound:	725	61%
	Total:	1191	

Modal Breakdown:

EB Bicyclists: 28.67%
WB Bicyclists: 5.68%

EB Automobiles: 25.69%
WB Automobiles: 39.97%

EB Modal Breakdown:
Bicyclists: 52.74%
Automobiles: 47.26%

Count 3, Bikes and Cars, PM:

Location: 540 W. Kinzie St.
Date: August 10, 2011
Time: 4 PM- 6 PM
Weather: 65° showers/thunderstorms

Findings:

<u>Bicyclists:</u>	<u>Number</u>	<u>Percent of total bike traffic</u>
Eastbound:	102	21%
Westbound:	382	79%
Total:	484	

<u>Automobiles:</u>	<u>Number</u>	<u>Percent of total automobile traffic</u>
Eastbound:	361	23%
Westbound:	1185	77%
Total:	1546	

Modal Breakdown:
EB Bicyclists: 5%
WB Bicyclists: 19%
EB Automobiles: 18%
WB Automobiles: 58%

WB Modal Breakdown:
Bicyclists: 24%
Automobiles: 76%

Change in Bicycle Ridership:

AM Rush Hour pre- construction:

May 10, 2011: 413 total bicyclists east and westbound

AM Rush Hour post-construction:

July 12, 2011: 656 total bicyclists east and westbound

August 10, 2011: 623 total bicyclists east and westbound

Average post-construction, 640

Automobile travel time studies found the following:

Pre-construction, AM:

Location: Kinzie St., Milwaukee/Desplaines to Wells

Date: June 2, 2011

Time: 7:15 AM- 8:30 AM

Average travel time, eastbound: 2:50

Average travel time, westbound: 2:45

Post-construction, AM:

Location: Kinzie St., Milwaukee/Desplaines to Wells

Date: August 19, 2011

Time: 7:15 AM- 8:30 AM

Average travel time, eastbound: 3:47

Average travel time, westbound: 2:37

Average Time Differential:

AM Eastbound: 0:56 increase

AM Westbound: -0:07 decrease

EASTBOUND

Pre-Const.	Post-Const.		Pre-Const.	Post-Const.	
Run 1	Run 1	Difference	Run 5	Run 5	Difference
7:18 AM	7:17am		7:54 AM	7:59am	
2:32	2:49	0:17	2:46	3:44	0:58
Run 2	Run 2	Difference	Run 6	Run 6	Difference
7:26 AM	7:27am		8:02 AM	8:10am	
2:53	2:39	-0:14	3:03	3:35	0:32
Run 3	Run 3	Difference	Run 7	Run 7	Difference
7:35 AM	7:37am		8:11AM	8:22am	
2:24	2:47	0:23	3:27	6:37	3:10
Run 4	Run 4	Difference			
7:43 AM	7:47am				
2:50	4:18	1:28			

WESTBOUND

Pre-Const.	Post-Const.		Pre-Const.	Post-Const.	
Run 1	Run 1	Difference	Run 4	Run 4	Difference
7:21 AM	7:23am		7:49 AM	7:54am	
2:57	2:08	-0:49	3:24	2:45	-0:39
Run 2	Run 2	Difference	Run 5	Run 5	Difference
7:31 AM	7:33am		7:57 AM	8:06am	
2:33	2:31	-0:02	3:03	2:44	-0:19
Run 3	Run 3	Difference	Run 6	Run 6	Difference
7:38 AM	7:43am		8:06 AM	8:17am	
2:01	2:25	0:24	2:33	3:12	0:39

Pre-construction, PM:

Location: Kinzie St., Milwaukee/Desplaines to Wells

Date: June 2, 2011

Time: 4 PM- 5:30 PM

Average travel time, eastbound: 3:04

Average travel time, westbound: 2:53

Post-construction, PM:

Location: Kinzie St., Milwaukee/Desplaines to Wells

Date: September 1, 2011

Time: 4 PM- 5:30 PM

Average travel time, eastbound: 3:00

Average travel time, westbound: 2:47

Average Time Differential:

PM Eastbound: -0:03 decrease

PM Westbound: -0:06 decrease

EASTBOUND

Pre-Const.	Post-Const.		Pre-Const.	Post-Const.	
Run 1	Run 1	Difference	Run 5	Run 5	Difference
4:02 PM	4:04pm		4:50 PM	4:45pm	
2:12	2:19	0:07	3:36	3:42	0:06
Run 2	Run 2	Difference	Run 6	Run 6	Difference
4:11 PM	4:12pm		5:02 PM	4:55pm	
2:31	2:42	0:11	3:20	3:09	-0:11
Run 3	Run 3	Difference	Run 7	Run 7	Difference
4:25 PM	4:23pm		5:14 PM	5:07pm	
3:01	2:44	-0:17	3:23	2:56	-0:27
Run 4	Run 4	Difference			
4:34 PM	4:34pm				
3:25	3:30	0:05			

WESTBOUND

Pre-Const.	Post-Const.		Pre-Const.	Post-Const.	
Run 1	Run 1	Difference	Run 5	Run 5	Difference
4:07 PM	4:08pm		4:58 PM	4:52pm	
2:12	2:22	0:10	3:49	2:10	-1:39
Run 2	Run 2	Difference	Run 6	Run 6	Difference
4:20 PM	4:18pm		5:09 PM	5:02pm	
2:44	2:25	-0:19	3:33	3:35	0:02
Run 3	Run 3	Difference	Run 7	Run 7	Difference
4:29 PM	4:29pm		5:20 PM	5:14pm	
2:27	2:56	0:29	4:17	4:43	0:26
Run 4	Run 4	Difference			
4:44 PM	4:42pm				
2:38	3:15	0:37			