CHICAGO - DELIVERING ZERO EMISSIONS COMMUNITIES (DZEC) TRUCK COUNTING PROJECT

COUNT LOCATION: W. Garfield Blvd./55th St. (WB)/S. Normal Blvd.

Englewood

COUNT DATE: 05-16-2023

COUNT TYPE: Turning Movement Counts (TMC)



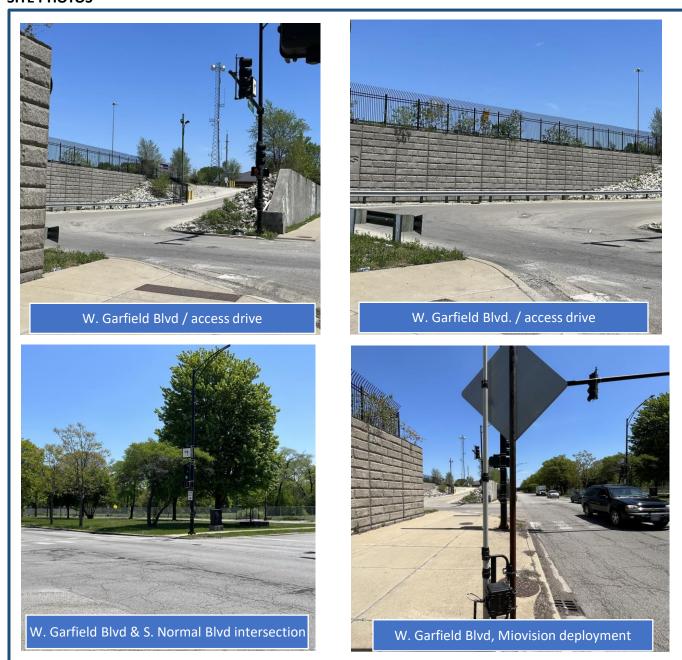
PROJECT LOCATION MAP



COUNT TYPE: Intersection Turning Movement

Turning Movement Counts, or TMC, are also typically known as an Intersection Count. In a TMC, vehicle movements (e.g., left, through, and right turns) and volumes for all legs of the intersection are captured, for a specific period of time.

SITE PHOTOS



SUMMARY DATA REPORTS

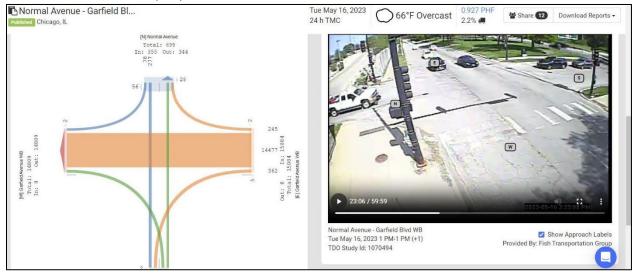
Truck traffic data was collected utilizing Miovision Scout video data collection (cameras). Video data was collected for a 24-hour period on a typical, non-holiday weekday. Miovision DataLink was used to generate reports and data visualizations to analyze traffic and truck count data. In addition, FTG generated truck-specific data reports. Summary data reports from both Miovision Datalink and FTG are described and presented below.

Miovision Datalink Reports

The following information is provided as generated from the Miovision Datalink portal:

- 1. Detailed PDF report presenting raw traffic volumes summarized by:
 - Time increments (i.e., 15-minute, 60-minute)
 - Length of count (i.e., Peak hour counts, 12-hour counts, 24-hour counts)
 - Data tables presented as: full count length summary, AM peak period, midday, PM peak period
 - vehicle classifications: autos, light (single-unit) trucks & buses, heavy (multi-unit trucks)
 - all turning movements
- 2. Summary PDF presenting:
 - Percent by approach
 - Percent by vehicle classifications
 - Peak Hour Factor
- 3. Intersection data plot (movement visualization) showing Intersection diagram (vehicles entering and exiting the intersection)

Example from Miovision Datalink Portal W. Garfield Blvd./55th St. (WB)/S. Normal Blvd.



FTG Summary Reports

Truck volume summary reports were generated by FTG using Jamar PetraPro Software. The following reports were prepared for each count location:

- 1. Hourly truck volumes (all trucks)
 - Volumes tabulated by hour, approach, vehicle movement
- 2. Hourly heavy truck volumes
 - Summary of articulated truck volumes by hour, approach, vehicle movement

Both Miovision and FTG reports are attached below.

Tue May 16, 2023

Full Length (1 PM-1 PM (+1))

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians,

Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1070494, Location: 41.794472, -87.637867

Leg Direction	Normal Southbo	ound				Westbo					Normal Northbo	und				Garfield B Eastbound		
Time	R	T	U	App	Ped*	R	T	L		Ped*	Т		U	App	Ped*	App	Ped*	
2023-05-16 1:00PM	4	15	0	19	3		802	15	851	1	13	9	0	22	0		0	892
2:00PM	19	49	0	68	3	_	1130	29	1169	1		17	0	21	0		0	1258
3:00PM	1	14	0	15	7		1337	49	1392	0		56	0	60	0		0	1467
4:00PM	2	23	0	25	7	3	1508	43	1554	0		17	0	20	0		0	1599
5:00PM	6	7	0	13	0		1313	20	1334	0		11	0	13	0		0	1360
6:00PM	3	8	0	11	6	10	1054	23	1087	0	7	9	0	16	0	0	0	1114
7:00PM	0	8	0	8	6		673	13	691	0	2	0	0	2	0	0	0	701
8:00PM	1	1	0	2	2	3	532	5	540	0	1	5	0	6	0	0	0	548
9:00PM	6	14	0	20	3	28	469	9	506	1	13	5	0	18	1	0	0	544
10:00PM	3	25	0	28	2	11	424	10	445	0	2	3	0	5	0	0	0	478
11:00PM	1	5	0	6	2	3	321	0	324	0	2	4	0	6	0	0	0	336
2023-05-17 12:00AM	1	4	0	5	1	2	228	6	236	1	1	1	0	2	1	0	0	243
1:00AM	0	2	0	2	0	3	130	9	142	0	2	2	0	4	0	0	0	148
2:00AM	5	4	0	9	0	0	88	4	92	0	3	0	0	3	0	0	0	104
3:00AM	2	2	0	4	6	2	72	3	77	0	0	1	0	1	0	0	0	-
4:00AM	0	3	0	3	0	6	101	0	107	0	2	1	0	3	0	0	0	113
5:00AM	3	4	0	7	2	60	205	3	268	0	17	2	0	19	0	0	0	294
6:00AM	7	30	0	37	2	22	343	7	372	0	6	6	0	12	0	0	0	421
7:00AM	4	8	0	12	6	8	754	33	795	2	0	38	0	38	0	0	0	
8:00AM	2	5	0	7	6	1	706	22	729	1	2	15	0	17	0	0	0	753
9:00AM	2	13	0	15	9	5	582	13	600	0	1	11	0	12	0	0	1	627
10:00AM	3	15	0	18	5	8	401	14	423	0	9	17	0	26	0	0	0	467
11:00AM	0	4	0	4	2	9	635	15	659	0	3	8	0	11	0	0	0	674
12:00PM	3	14	0	17	4	5	669	17	691	0	0	16	0	16	0	0	1	724
Total	78	277	0	355	84	245	14477	362	15084	7	99	254	0	353	2	0	2	15792
% Approach	22.0%	78.0%	0%	-	-	1.6%	96.0%	2.4%	-	-	28.0%	72.0%	0%	-	-	-	-	-
% Total	0.5%	1.8%	0%	2.2%	-	1.6%	91.7%	2.3%	95.5%	-	0.6%	1.6%	0%	2.2%	-	0%	-	-
Lights	76	273	0	349	-	241	14137	355	14733	-	96	247	0	343	-	0	-	15425
% Lights	97.4%	98.6%	0% 9	98.3%	-	98.4%	97.7%	98.1%	97.7%	-	97.0%	97.2%	0%	97.2%	-	-	-	97.7%
Articulated Trucks	0	0	0	0	-	1	6	0	7	-	0	1	0	1	-	0	-	8
% Articulated Trucks	0%	0%	0%	0%	-	0.4%	0%	0%	0%	-	0%	0.4%	0%	0.3%	-	-	-	0.1%
Buses and Single-Unit Trucks	2	3	0	5	-	3	324	4	331	-	3	6	0	9	-	0	-	345
% Buses and Single-Unit Trucks	2.6%	1.1%	0%	1.4%	-	1.2%	2.2%	1.1%	2.2%	-	3.0%	2.4%	0%	2.5%	-	-	-	2.2%
Bicycles on Road	0	1	0	1	-	0	10	3	13	-	0	0	0	0	-	0	-	14
% Bicycles on Road	0%	0.4%	0%	0.3%	-	0%	0.1%	0.8%	0.1%	-	0%	0%	0%	0%	-	-	-	0.1%
Pedestrians	-	-	-	-	78	-	-	-	-	7	-	-	-	-	2	-	1	
% Pedestrians	-	-	-	-	92.9%	-	-	-	-	100%	-	-	-	-	100%	-	50.0%	-
Bicycles on Crosswalk	-		-	-	6	-	-	-	-	0	-	-	-	-	0	-	1	
% Bicycles on Crosswalk	-	-	-	-	7.1%	-	-	-	-	0%	-	-	-	-	0%	-	50.0%	-

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

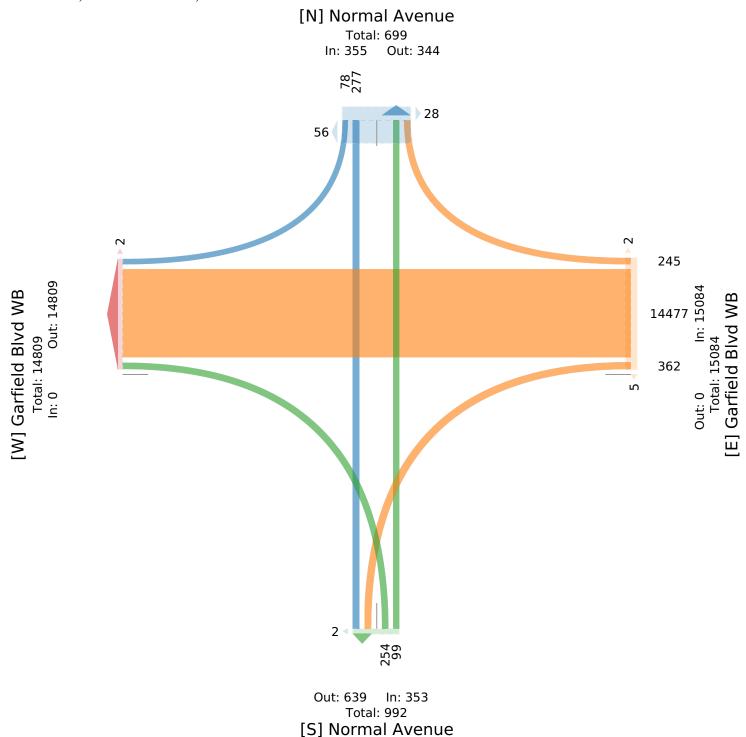
Provided by: Fish Transportation Group Inc. 1950 N Washington Street, Suite 211, Naperville, IL, 60563, US Tue May 16, 2023

Full Length (1 PM-1 PM (+1))

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1070494, Location: 41.794472, -87.637867



Tue May 16, 2023

Midday Peak (May 16 2023 1PM - 2 PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians,

Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1070494, Location: 41.794472, -87.637867

Leg	Normal						d Blvd V	VВ			Normal		!			Garfield Blvd	WB	
Direction	Southbo					Westbo					Northbo	ound				Eastbound		
Time	R	T	U	App	Ped*	R	T	L	App	Ped*	T	L	U	App	Ped*	App	Ped*	Int
2023-05-16 1:00PM	1	2	0	3	0	5	189	0	194	0	0	3	0	3	0	0	0	200
1:15PM	1	3	0	4	0	8	181	1	190	0	3	0	0	3	0	0	0	197
1:30PM	2	2	0	4	0	7	214	5	226	1	8	5	0	13	0	0	0	243
1:45PM	0	8	0	8	3	14	218	9	241	0	2	1	0	3	0	0	0	252
Total	4	15	0	19	3	34	802	15	851	1	13	9	0	22	0	0	0	892
% Approach	21.1%	78.9%	0%	-	-	4.0%	94.2%	1.8%	-	-	59.1%	40.9%	0%	-	-	-	-	
% Total	0.4%	1.7%	0%	2.1%	-	3.8%	89.9%	1.7%	95.4%	-	1.5%	1.0%	0%	2.5%	-	0%	-	-
PHF	0.500	0.469	-	0.594	-	0.607	0.920	0.417	0.883	-	0.406	0.450	-	0.423	-	-	-	0.885
Lights	4	15	0	19	-	34	763	15	812	-	12	7	0	19	-	0	-	850
% Lights	100%	100%	0%	100%	-	100%	95.1%	100%	95.4%	-	92.3%	77.8%	0%	86.4%	-	-	-	95.3%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%
Buses and Single-Unit Trucks	0	0	0	0	-	0	39	0	39	-	1	2	0	3	-	0	-	42
% Buses and Single-Unit Trucks	0%	0%	0%	0%	-	0%	4.9%	0%	4.6%	-	7.7%	22.2%	0%	13.6%	-	-	-	4.7%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%
Pedestrians	-	-	-	-	3	-	-	-	-	1	-	-	-	-	0	-	0	
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	0	
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	-	-	-	-

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Tue May 16, 2023

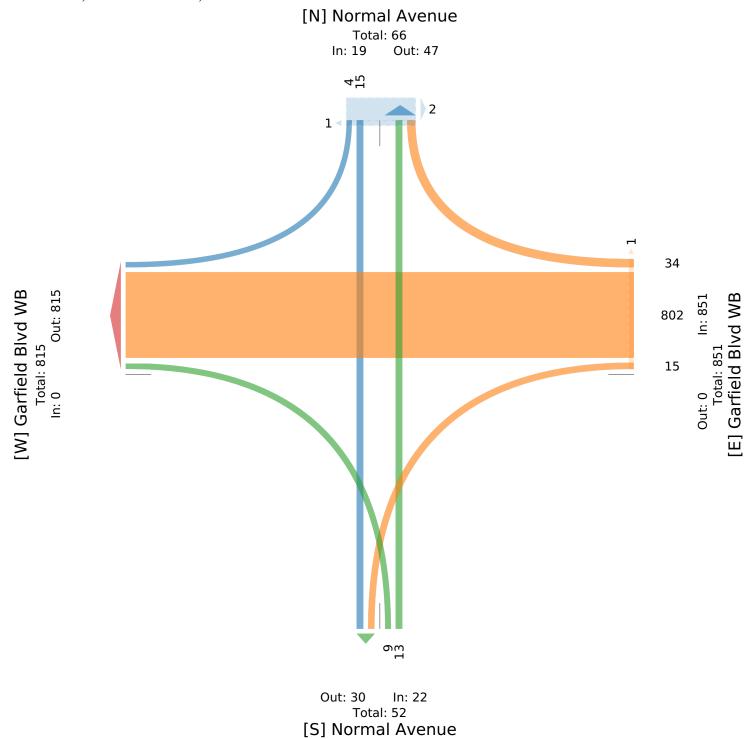
Midday Peak (May 16 2023 1PM - 2 PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians,

Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1070494, Location: 41.794472, -87.637867



Tue May 16, 2023

PM Peak (May 16 2023 4PM - 5 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians,

Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1070494, Location: 41.794472, -87.637867

Leg Direction	Normal Southb	l Avenue ound	5			Garfiel Westbo	d Blvd V ound	VΒ			Normal Northbo					Garfield Blvd Eastbound		
Time	R	T	U	App	Ped*	R	T	L	App	Ped*	Т	L	U	App	Ped*	App	Ped*	Int
2023-05-16 4:00PM	2	11	0	13	0	1	348	12	361	0	1	7	0	8	0	0	0	382
4:15PM	0	2	0	2	1	0	420	7	427	0	0	2	0	2	0	0	0	431
4:30PM	0	4	0	4	4	1	364	10	375	0	1	5	0	6	0	0	0	385
4:45PM	0	6	0	6	2	1	376	14	391	0	1	3	0	4	0	0	0	401
Total	2	23	0	25	7	3	1508	43	1554	0	3	17	0	20	0	0	0	1599
% Approach	8.0%	92.0%	0%	-	-	0.2%	97.0%	2.8%	-	-	15.0%	85.0%	0%	-	-	-	-	-
% Total	0.1%	1.4%	0%	1.6%	-	0.2%	94.3%	2.7%	97.2%	-	0.2%	1.1%	0%	1.3%	-	0%	-	-
PHF	0.250	0.523	-	0.481	-	0.750	0.898	0.768	0.910	-	0.750	0.607	-	0.625	-	-	-	0.927
Lights	2	22	0	24	-	3	1481	43	1527	-	3	17	0	20	-	0	-	1571
% Lights	100%	95.7%	0%	96.0%	-	100%	98.2%	100%	98.3%	-	100%	100%	0%	100%	-	-	-	98.2%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%
Buses and Single-Unit Trucks	0	1	0	1	-	0	27	0	27	-	0	0	0	0	-	0	-	28
% Buses and Single-Unit Trucks	0%	4.3%	0%	4.0%	-	0%	1.8%	0%	1.7%	-	0%	0%	0%	0%	-	-	-	1.8%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-		-	0%
Pedestrians	-	-	-	-	6	-	-	-	-	0	-	-	-	-	0	-	0	
% Pedestrians	-	-	-	-	85.7%	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	1	-	-	-	-	0	-	-	-	-	0	-	0	
% Bicycles on Crosswalk	-	-	-	-	14.3%	-	-	-	-	-	-	-	-	-	-	-	-	-

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Tue May 16, 2023

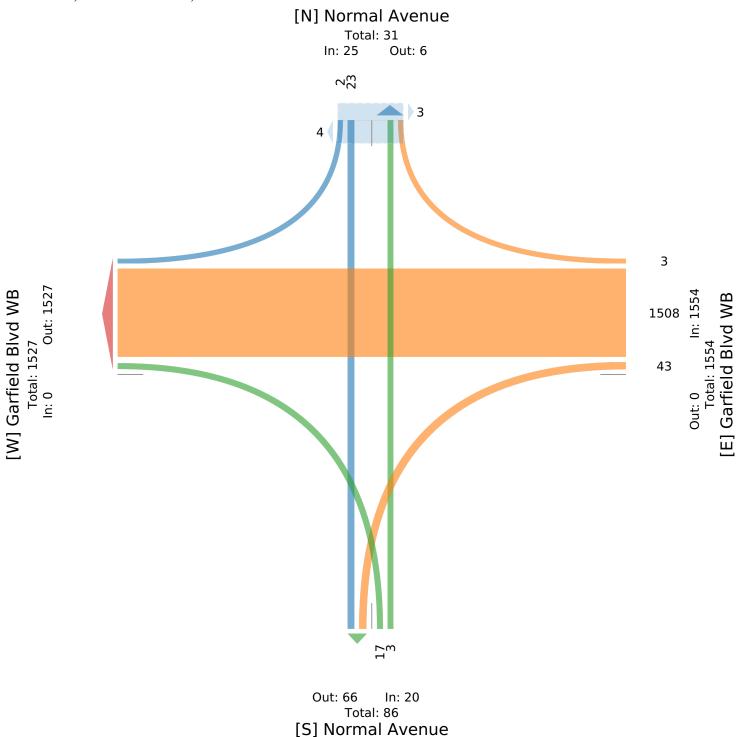
PM Peak (May 16 2023 4PM - 5 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians,

Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1070494, Location: 41.794472, -87.637867



Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Wed May 17, 2023

AM Peak (May 17 2023 7:15AM - 8:15 AM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians,

Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1070494, Location: 41.794472, -87.637867

Leg Direction	Normal Southbo					Garfiel Westbo	d Blvd V ound	WB			Norma Northb	l Avenue	•			Garfield Blvd Eastbound	l WB	
Time	R	T	U	Арр	Ped*	R	T	L	Арр	Ped*	Т	L	U	Арр	Ped*	Арр	Ped*	Int
2023-05-17 7:15AM	2	1	0	3	2	3	183	7	193	0	0	5	0	5	0	0	0	201
7:30AM	0	2	0	2	2	2	235	7	244	0	0	13	0	13	0	0	0	259
7:45AM	1	2	0	3	1	1	204	15	220	2	0	15	0	15	0	0	0	238
8:00AM	1	0	0	1	1	0	175	9	184	0	1	4	0	5	0	0	0	190
Total	4	5	0	9	6	6	797	38	841	2	1	37	0	38	0	0	0	888
% Approach	44.4%	55.6%	0%	-	-	0.7%	94.8%	4.5%	-	-	2.6%	97.4%	0%	-	-	-	-	-
% Total	0.5%	0.6%	0%	1.0%	-	0.7%	89.8%	4.3%	94.7%	-	0.1%	4.2%	0%	4.3%	-	0%	-	-
PHF	0.500	0.625	-	0.750	-	0.500	0.847	0.633	0.861	-	0.250	0.617	-	0.633	-	-	-	0.856
Lights	3	5	0	8	-	6	775	38	819	-	1	37	0	38	-	0	-	865
% Lights	75.0%	100%	0%	88.9%	-	100%	97.2%	100%	97.4%	-	100%	100%	0%	100%	-	-	-	97.4%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%
Buses and Single-Unit Trucks	1	0	0	1	-	0	21	0	21	-	0	0	0	0	-	0	-	22
% Buses and Single-Unit Trucks	25.0%	0%	0%	11.1%	-	0%	2.6%	0%	2.5%	-	0%	0%	0%	0%	-	-	-	2.5%
Bicycles on Road	0	0	0	0	-	0	1	0	1	-	0	0	0	0	-	0	-	1
% Bicycles on Road	0%	0%	0%	0%	-	0%	0.1%	0%	0.1%	-	0%	0%	0%	0%	-	-	-	0.1%
Pedestrians	-	-	-	-	6	-	-	-	-	2	-	-	-	-	0	-	0	
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	0	
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	-	-	-	-

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

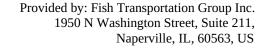
^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

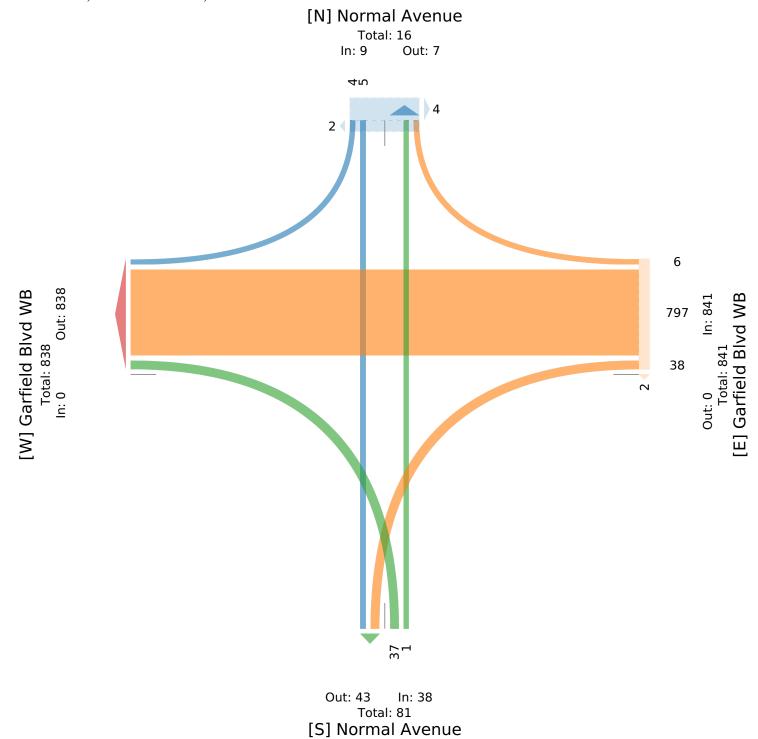
AM Peak (May 17 2023 7:15AM - 8:15 AM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 1070494, Location: 41.794472, -87.637867





Fish Transportation Group

1950 N Washington Street Suite 211 Naperville, Illinois 60563

Chicago Normal Avenue & Garfield Blvd - 55th St WB 05-16-23

Groups Printed- Articulated Trucks

				Group	s Printed- A	rticulated	Irucks					
		mal Avenue om North			Garfield Blv				nal Avenue om South		Garfield Blvd WB From	
						ast					West	
Start Time	Right	Thru	Peds	Right	Thru	Left	Peds	Thru	Left	Peds	Peds	Int. Total
01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
02:00 PM	0	0	0	0	1	0	0	0	1	0	0	2
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
06:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
09:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
01:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
02:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
03:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
04:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
05:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
06:00 AM	0	0	0	1	1	0	0	0	0	0	0	2
07:00 AM	0	0	0	0	1	0	0	0	0	0	0	1
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
09:00 AM	0	0	0	0	1	0	0	0	0	0	0	1
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM	0	0	0	0	1	0	0	0	0	0	0	1
12:00 PM	0	0	0	0	1	0	0	0	0	0	0	1
Grand Total	0	0	0	1	6	0	0	0	1	0	0	8
Apprch %	0	0	0	14.3	85.7	0	0	0	100	0	0	
Total %	0	0	0	12.5	75	0	0	0	12.5	0	0	

Fish Transportation Group

1950 N Washington Street Suite 211 Naperville, Illinois 60563

Chicago Normal Avenue & Garfield Blvd - 55th St WB 05-16-23

Groups Printed- Mediums - Articulated Trucks

				Groups Print	ted- Mediur	ns - Articula	ated Fruck	(S				
		nal Avenue om North		•	Garfield Blv From E				nal Avenue om South		Garfield Blvd WB From West	
Start Time	Right	Thru	Peds	Right	Thru	Left	Peds	Thru	Left	Peds	Peds	Int. Total
01:00 PM	0	0	0	0	39	0	0	1	2	0	0	42
02:00 PM	0	0	0	0	33	0	0	0	2	0	0	35
03:00 PM	0	0	0	0	37	1	0	0	0	0	0	38
04:00 PM	0	1	0	0	27	0	0	0	0	0	0	28
05:00 PM	0	0	0	0	12	1	0	0	0	0	0	13
06:00 PM	0	0	0	0	15	0	0	0	0	0	0	15
07:00 PM	0	0	0	0	9	1	0	0	0	0	0	10
08:00 PM	0	0	0	0	6	0	0	0	0	0	0	6
09:00 PM	0	0	0	0	4	0	0	0	0	0	0	4
10:00 PM	0	0	0	0	4	0	0	0	0	0	0	4
11:00 PM	0	0	0	0	1	0	0	0	0	0	0	1
12:00 AM	0	0	0	0	3	0	0	0	0	0	0	3
01:00 AM	0	0	0	0	2	0	0	0	0	0	0	2
02:00 AM	0	0	0	0	1	0	0	0	0	0	0	1
03:00 AM	0	1	0	0	1	0	0	0	0	0	0	2
04:00 AM	0	0	0	0	3	0	0	0	0	0	0	3
05:00 AM	0	0	0	0	4	0	0	0	0	0	0	4
06:00 AM	0	0	0	1	12	1	0	0	0	0	0	14
07:00 AM	1	0	0	1	21	0	0	0	0	0	0	23
08:00 AM	0	0	0	0	19	0	0	0	0	0	0	19
09:00 AM	0	0	0	1	16	0	0	0	2	0	0	19
10:00 AM	0	0	0	0	13	0	0	1	0	0	0	14
11:00 AM	0	0	0	0	29	0	0	1	0	0	0	30
12:00 PM	1	1	0	1	19	0	0	0	1	0	0	23
Grand Total	2	3	0	4	330	4	0	3	7	0	0	353
Apprch %	40	60	0	1.2	97.6	1.2	0	30	70	0	0	
Total %	0.6	0.8	0	1.1	93.5	1.1	0	0.8	2	0	0	
Mediums	2	3	0	3	324	4	0	3	6	0	0	345
% Mediums	100	100	0	75	98.2	100	0	100	85.7	0	0	97.7
Articulated Trucks	0	0	0	1	6	0	0	0	1	0	0	8
% Articulated Trucks	0	0	0	25	1.8	0	0	0	14.3	0	0	2.3