

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

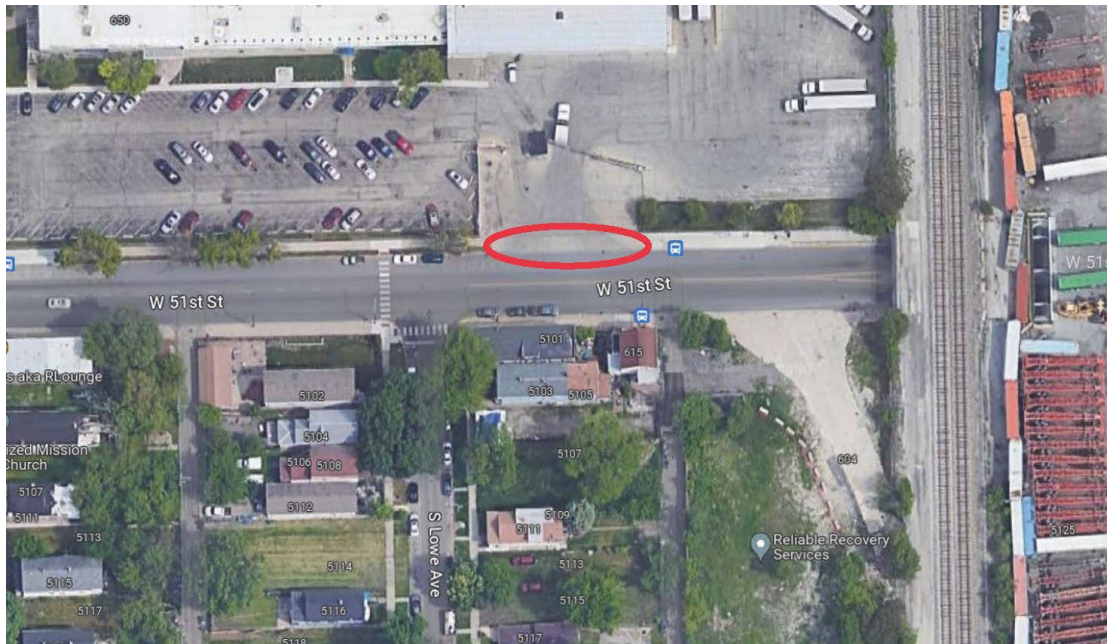


COUNT LOCATION: W. 51st Street, east of S. Lowe Ave.
New City

COUNT DATE: 05-16-2023

COUNT TYPE: 24-Hour Average Daily Traffic/Automatic Traffic Recorder

PROJECT LOCATION MAP



COUNT TYPE: 24-Hour Average Daily Traffic

Average Daily Traffic Counts (ADT), also referred to by Miovision as ATRs – Automatic Traffic Recorder (ATR) counts are used to capture the volume of vehicles that travel on a roadway over a given period of time. ADTs count all vehicles that travel through a specific point of a road over a short duration time period and are representative only of the time period and type of traffic volumes included. ADT is a standard measure of traffic volume used for traffic monitoring and forecasting.

SITE PHOTOS



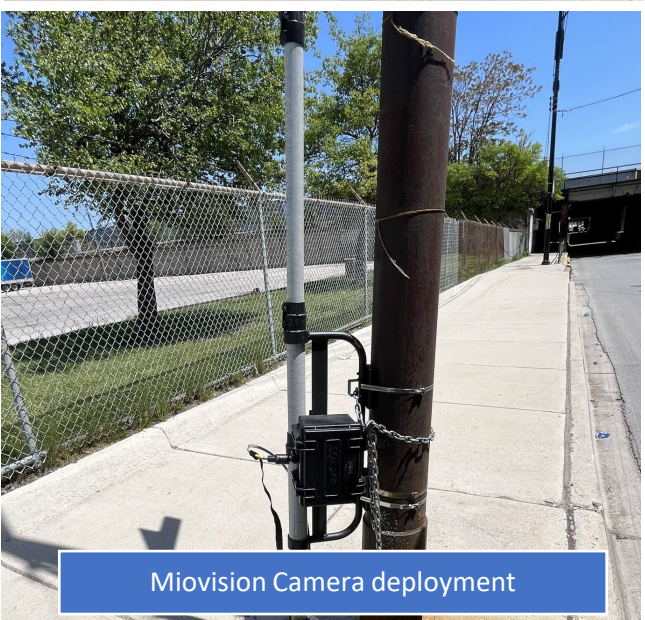
W. 51st St, driveway view



W. 51st St., driveway view



W. 51st St., east view from driveway



Miovision Camera deployment

SUMMARY DATA REPORTS

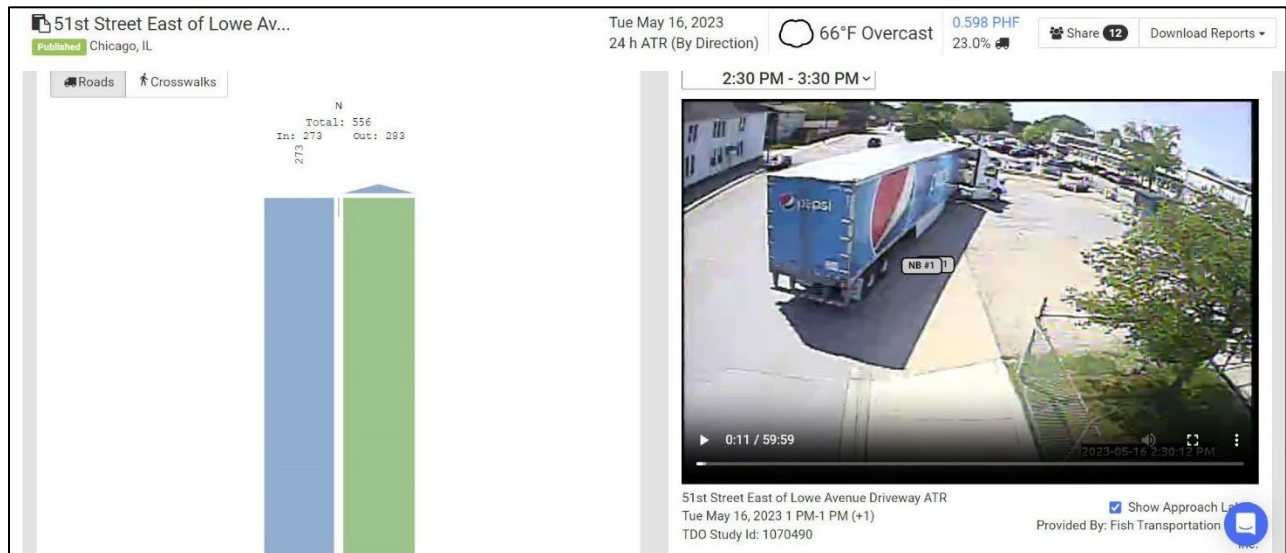
Truck traffic data was collected utilizing Miovision Scout video data collection (cameras). Video data was collected for a 24-hour period on a typical, non-holiday weekday. Miovision DataLink was used to generate reports and data visualizations to analyze traffic and truck count data. In addition, FTG 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
2. Intersection data plot (movement visualization) showing Intersection diagram (vehicles entering and exiting the intersection)

Example from Miovision Datalink Portal
W. 51st St. east of S. Lowe Ave.



FTG Summary Reports

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

- Hourly truck volumes, tabulated by
 - Hour
 - Direction
 - Truck classification

Both Miovision and FTG reports are attached below.

51st Street East of Lowe Avenue Driveway ATR - ATR

Tue May 16, 2023

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

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

All Channels

ID: 1070490, Location: 41.801741, -87.641325

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

Leg Direction	North Southbound		South Northbound		Int
	T	App	T	App	
Time					
2023-05-16 1:00PM	17	17	27	27	44
2:00PM	38	38	12	12	50
3:00PM	19	19	7	7	26
4:00PM	13	13	6	6	19
5:00PM	13	13	14	14	27
6:00PM	15	15	8	8	23
7:00PM	5	5	7	7	12
8:00PM	4	4	8	8	12
9:00PM	10	10	26	26	36
10:00PM	26	26	14	14	40
11:00PM	7	7	6	6	13
2023-05-17 12:00AM	3	3	4	4	7
1:00AM	9	9	9	9	18
2:00AM	8	8	6	6	14
3:00AM	5	5	6	6	11
4:00AM	3	3	17	17	20
5:00AM	5	5	36	36	41
6:00AM	22	22	10	10	32
7:00AM	7	7	11	11	18
8:00AM	6	6	8	8	14
9:00AM	7	7	12	12	19
10:00AM	8	8	10	10	18
11:00AM	11	11	8	8	19
12:00PM	12	12	11	11	23
Total	273	273	283	283	556
% Approach	100%	-	100%	-	-
% Total	49.1%	49.1%	50.9%	50.9%	-
Lights	207	207	221	221	428
% Lights	75.8%	75.8%	78.1%	78.1%	77.0%
Articulated Trucks	56	56	52	52	108
% Articulated Trucks	20.5%	20.5%	18.4%	18.4%	19.4%
Buses and Single-Unit Trucks	10	10	10	10	20
% Buses and Single-Unit Trucks	3.7%	3.7%	3.5%	3.5%	3.6%

*T: Thru

51st Street East of Lowe Avenue Driveway ATR - ATR

Tue May 16, 2023

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

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

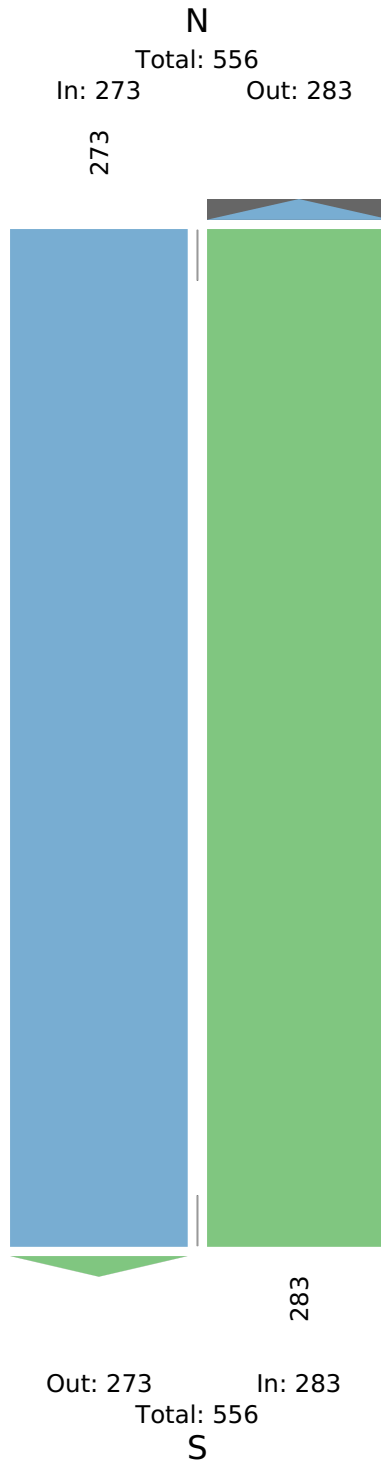
All Channels

ID: 1070490, Location: 41.801741, -87.641325

Provided by: Fish Transportation Group Inc.

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51st Street East of Lowe Avenue Driveway ATR - ATR

Tue May 16, 2023

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

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

All Channels

ID: 1070490, Location: 41.801741, -87.641325

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

Leg Direction	North Southbound		South Northbound		Int
	T	App	T	App	
Time					
2023-05-16 1:00PM	3	3	3	3	6
1:15PM	3	3	3	3	6
1:30PM	6	6	8	8	14
1:45PM	5	5	13	13	18
Total	17	17	27	27	44
% Approach	100%	-	100%	-	-
% Total	38.6%	38.6%	61.4%	61.4%	-
PHF	0.708	0.708	0.519	0.519	0.611
Lights	11	11	20	20	31
% Lights	64.7%	64.7%	74.1%	74.1%	70.5%
Articulated Trucks	4	4	5	5	9
% Articulated Trucks	23.5%	23.5%	18.5%	18.5%	20.5%
Buses and Single-Unit Trucks	2	2	2	2	4
% Buses and Single-Unit Trucks	11.8%	11.8%	7.4%	7.4%	9.1%

*T: Thru

51st Street East of Lowe Avenue Driveway ATR - ATR

Tue May 16, 2023

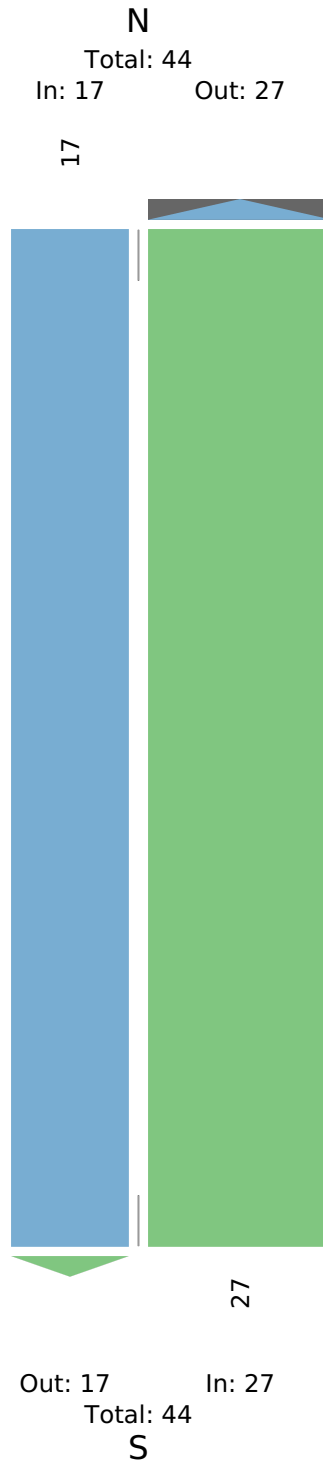
Midday Peak (May 16 2023 1PM - 2 PM)

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

All Channels

ID: 1070490, Location: 41.801741, -87.641325

Provided by: Fish Transportation Group Inc.
1950 N Washington Street, Suite 211,
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51st Street East of Lowe Avenue Driveway ATR - ATR
 Tue May 16, 2023
 PM Peak (May 16 2023 1:45PM - 2:45 PM) - Overall Peak Hour
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks)
 All Channels
 ID: 1070490, Location: 41.801741, -87.641325

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

Leg Direction	North Southbound		South Northbound		Int
	T	App	T	App	
Time					
2023-05-16 1:45PM	5	5	13	13	18
2:00PM	4	4	2	2	6
2:15PM	5	5	3	3	8
2:30PM	20	20	3	3	23
Total	34	34	21	21	55
% Approach	100%	-	100%	-	-
% Total	61.8%	61.8%	38.2%	38.2%	-
PHF	0.425	0.425	0.404	0.404	0.598
Lights	26	26	16	16	42
% Lights	76.5%	76.5%	76.2%	76.2%	76.4%
Articulated Trucks	5	5	3	3	8
% Articulated Trucks	14.7%	14.7%	14.3%	14.3%	14.5%
Buses and Single-Unit Trucks	3	3	2	2	5
% Buses and Single-Unit Trucks	8.8%	8.8%	9.5%	9.5%	9.1%

*T: Thru

51st Street East of Lowe Avenue Driveway ATR - ATR

Tue May 16, 2023

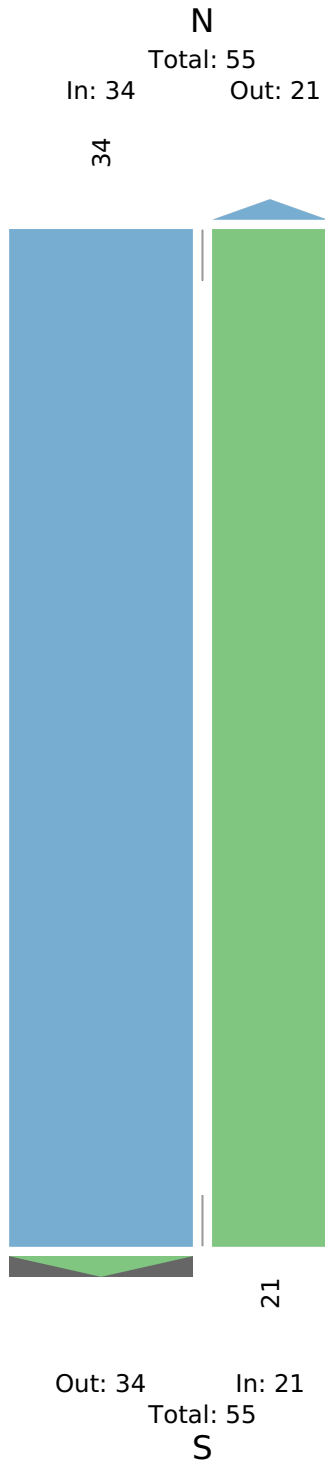
PM Peak (May 16 2023 1:45PM - 2:45 PM) - Overall Peak Hour

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

All Channels

ID: 1070490, Location: 41.801741, -87.641325

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51st Street East of Lowe Avenue Driveway ATR - ATR

Wed May 17, 2023

AM Peak (May 17 2023 5:45AM - 6:45 AM)

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

All Channels

ID: 1070490, Location: 41.801741, -87.641325

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

Leg Direction	North Southbound		South Northbound		Int
	T	App	T	App	
Time					
2023-05-17 5:45AM	0	0	20	20	20
6:00AM	2	2	2	2	4
6:15AM	1	1	2	2	3
6:30AM	19	19	3	3	22
Total	22	22	27	27	49
% Approach	100%	-	100%	-	-
% Total	44.9%	44.9%	55.1%	55.1%	-
PHF	0.289	0.289	0.338	0.338	0.557
Lights	20	20	25	25	45
% Lights	90.9%	90.9%	92.6%	92.6%	91.8%
Articulated Trucks	2	2	2	2	4
% Articulated Trucks	9.1%	9.1%	7.4%	7.4%	8.2%
Buses and Single-Unit Trucks	0	0	0	0	0
% Buses and Single-Unit Trucks	0%	0%	0%	0%	0%

*T: Thru

51st Street East of Lowe Avenue Driveway ATR - ATR

Wed May 17, 2023

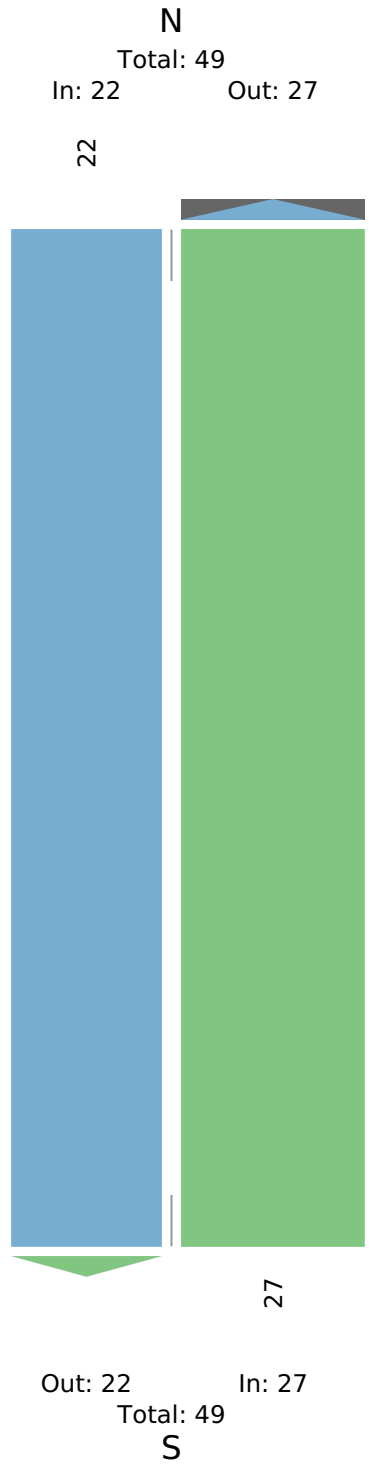
AM Peak (May 17 2023 5:45AM - 6:45 AM)

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

All Channels

ID: 1070490, Location: 41.801741, -87.641325

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Fish Transportation Group Inc.
 1950 N Washington Street
 Suite 211
 Naperville, Illinois, United States 60563
 708-660-0305

Count Name: 51st Street
 East of Lowe Avenue
 Driveway ATR
 Site Code:
 Start Date: 05/16/2023
 Page No: 1

Direction (Southbound)

Start Time	Lights	Mediums	Articulated Trucks	Total
1:00 PM	11	2	4	17
2:00 PM	29	2	7	38
3:00 PM	14	1	4	19
4:00 PM	12	0	1	13
5:00 PM	11	1	1	13
6:00 PM	13	0	2	15
7:00 PM	4	0	1	5
8:00 PM	2	0	2	4
9:00 PM	8	0	2	10
10:00 PM	25	0	1	26
11:00 PM	4	0	3	7
05/17/2023 12:00 AM	2	0	1	3
1:00 AM	5	0	4	9
2:00 AM	6	0	2	8
3:00 AM	2	0	3	5
4:00 AM	2	0	1	3
5:00 AM	3	1	1	5
6:00 AM	20	0	2	22
7:00 AM	4	0	3	7
8:00 AM	5	0	1	6
9:00 AM	2	1	4	7
10:00 AM	4	1	3	8
11:00 AM	8	1	2	11
12:00 PM	11	0	1	12
Total	207	10	56	273
Total %	75.8	3.7	20.5	100.0
AM Times	5:00 AM	5:00 AM	1:00 AM	5:00 AM
AM Peaks	3	1	4	5
PM Times	10:00 PM	1:00 PM	2:00 PM	2:00 PM
PM Peaks	25	2	7	38



Fish Transportation Group Inc.
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 Naperville, Illinois, United States 60563
 708-660-0305

Count Name: 51st Street
 East of Lowe Avenue
 Driveway ATR
 Site Code:
 Start Date: 05/16/2023
 Page No: 2

Direction (Northbound)

Start Time	Lights	Mediums	Articulated Trucks	Total
1:00 PM	20	2	5	27
2:00 PM	7	1	4	12
3:00 PM	4	1	2	7
4:00 PM	5	0	1	6
5:00 PM	10	1	3	14
6:00 PM	8	0	0	8
7:00 PM	6	0	1	7
8:00 PM	4	0	4	8
9:00 PM	24	0	2	26
10:00 PM	14	0	0	14
11:00 PM	3	0	3	6
05/17/2023 12:00 AM	2	0	2	4
1:00 AM	6	0	3	9
2:00 AM	5	0	1	6
3:00 AM	4	0	2	6
4:00 AM	15	0	2	17
5:00 AM	35	1	0	36
6:00 AM	7	0	3	10
7:00 AM	7	0	4	11
8:00 AM	7	1	0	8
9:00 AM	8	1	3	12
10:00 AM	7	1	2	10
11:00 AM	5	1	2	8
12:00 PM	8	0	3	11
Total	221	10	52	283
Total %	78.1	3.5	18.4	100.0
AM Times	5:00 AM	5:00 AM	1:00 AM	5:00 AM
AM Peaks	35	1	3	36
PM Times	10:00 PM	1:00 PM	2:00 PM	2:00 PM
PM Peaks	14	2	4	12



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Count Name: 51st Street
East of Lowe Avenue
Driveway ATR
Site Code:
Start Date: 05/16/2023
Page No: 3

