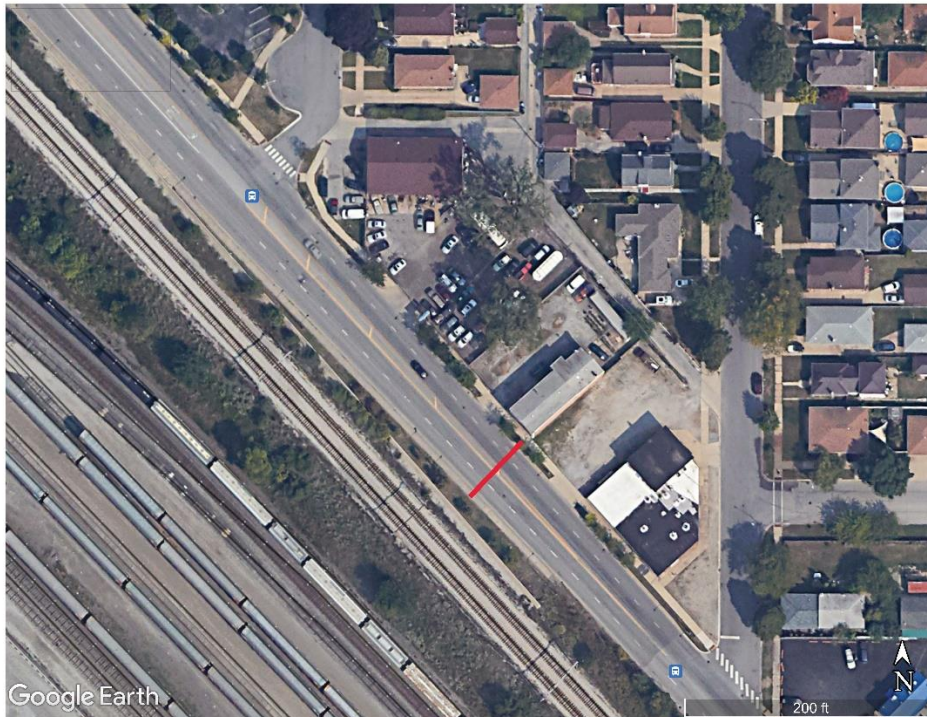


**CHICAGO - DELIVERING ZERO EMISSIONS COMMUNITIES (DZEC)
TRUCK COUNTING PROJECT**



COUNT LOCATION: S. Brainard Avenue, southeast of S. Torrence Ave.
Hegewisch
COUNT DATE: 08-01-2023
COUNT TYPE: 24-Hour Average Daily Traffic/Automatic Traffic Recorder

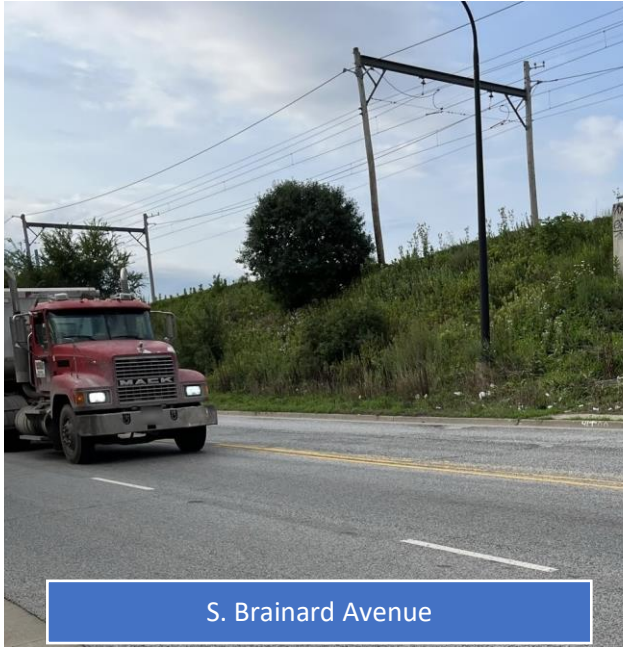
PROJECT LOCATION MAP



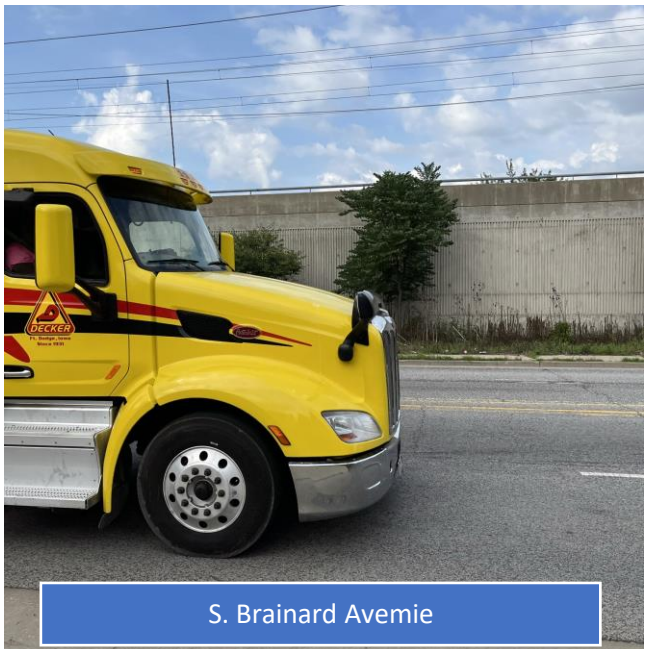
COUNT TYPE: 24-Hour Average Daily Traffic

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.

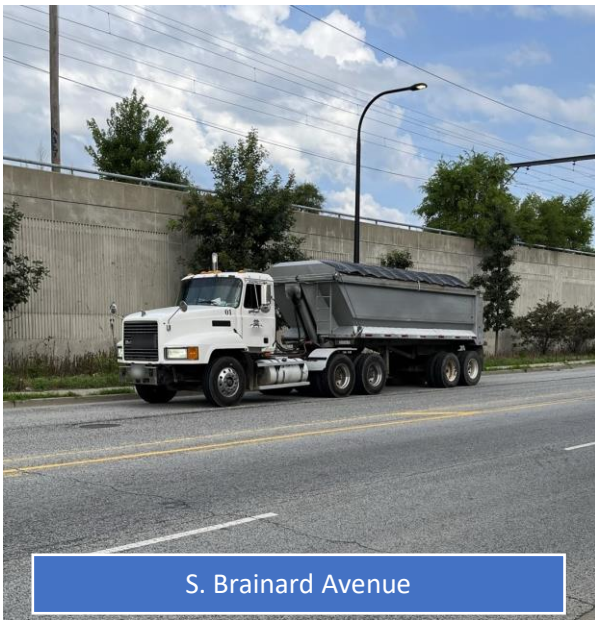
SITE PHOTOS



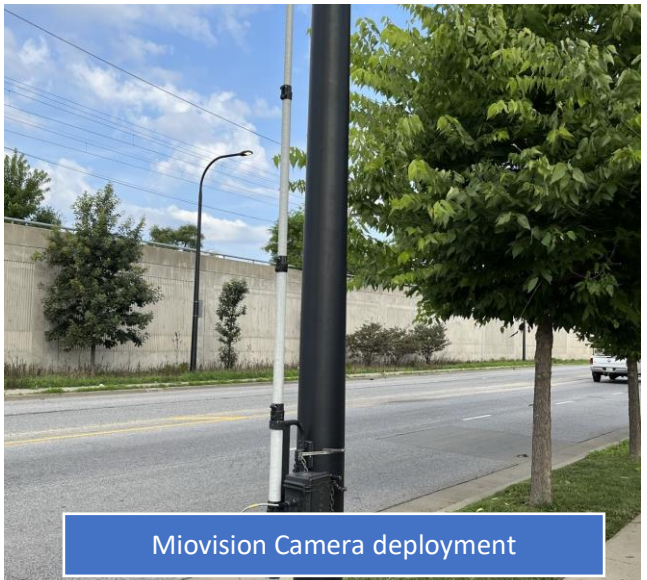
S. Brainard Avenue



S. Brainard Avenue



S. Brainard Avenue



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.

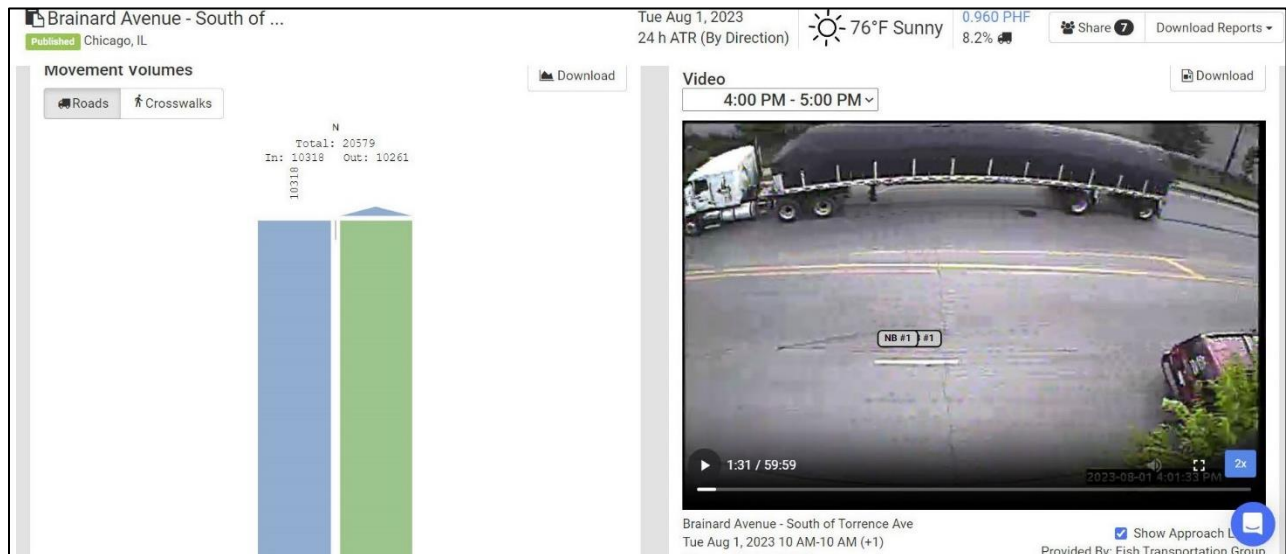
Miovision Datalink Reports

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

S. Brainard Avenue, southeast of S. Torrence Avenue



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.

Brainard Avenue - South of Torrence Ave - ATR

Tue Aug 1, 2023

Full Length (10 AM-10 AM (+1))

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

All Channels

ID: 1095611, Location: 41.655566, -87.555081

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

Leg Direction	North Southbound	South Northbound		
Time	T	App	T	App Int
2023-08-01 10:00AM	493	493	601	601 1094
11:00AM	559	559	612	612 1171
12:00PM	549	549	618	618 1167
1:00PM	607	607	526	526 1133
2:00PM	689	689	585	585 1274
3:00PM	732	732	649	649 1381
4:00PM	916	916	677	677 1593
5:00PM	822	822	721	721 1543
6:00PM	643	643	514	514 1157
7:00PM	535	535	397	397 932
8:00PM	474	474	375	375 849
9:00PM	397	397	325	325 722
10:00PM	299	299	252	252 551
11:00PM	279	279	182	182 461
2023-08-02 12:00AM	192	192	102	102 294
1:00AM	123	123	95	95 218
2:00AM	80	80	84	84 164
3:00AM	102	102	120	120 222
4:00AM	149	149	286	286 435
5:00AM	252	252	541	541 793
6:00AM	331	331	554	554 885
7:00AM	333	333	519	519 852
8:00AM	356	356	512	512 868
9:00AM	406	406	414	414 820
Total	10318	10318	10261	10261 20579
% Approach	100%	-	100%	-
% Total	50.1%	50.1%	49.9%	49.9%
Lights	9445	9445	9451	9451 18896
% Lights	91.5%	91.5%	92.1%	92.1%
Single-Unit Trucks	216	216	254	254 470
% Single-Unit Trucks	2.1%	2.1%	2.5%	2.5%
Articulated Trucks	619	619	531	531 1150
% Articulated Trucks	6.0%	6.0%	5.2%	5.2%
Buses	36	36	23	23 59
% Buses	0.3%	0.3%	0.2%	0.2%
Bicycles on Road	2	2	2	2 4
% Bicycles on Road	0%	0%	0%	0%

*T: Thru

Brainard Avenue - South of Torrence Ave - ATR

Tue Aug 1, 2023

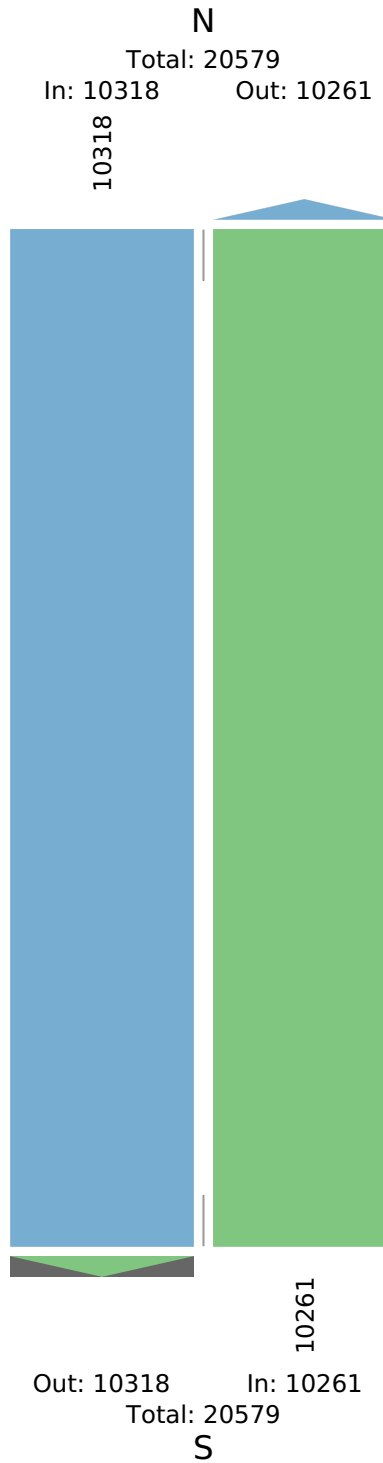
Full Length (10 AM-10 AM (+1))

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

All Channels

ID: 1095611, Location: 41.655566, -87.555081

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



Brainard Avenue - South of Torrence Ave - ATR

Tue Aug 1, 2023

AM Peak (Aug 01 2023 10AM - 11 AM)

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

All Channels

ID: 1095611, Location: 41.655566, -87.555081

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

Leg Direction	North Southbound		South Northbound		
Time	T	App	T	App	Int
2023-08-01 10:00AM	114	114	137	137	251
10:15AM	127	127	170	170	297
10:30AM	119	119	149	149	268
10:45AM	133	133	145	145	278
Total	493	493	601	601	1094
% Approach	100%	-	100%	-	-
% Total	45.1%	45.1%	54.9%	54.9%	-
PHF	0.927	0.927	0.884	0.884	0.921
Lights	430	430	528	528	958
% Lights	87.2%	87.2%	87.9%	87.9%	87.6%
Single-Unit Trucks	14	14	20	20	34
% Single-Unit Trucks	2.8%	2.8%	3.3%	3.3%	3.1%
Articulated Trucks	47	47	52	52	99
% Articulated Trucks	9.5%	9.5%	8.7%	8.7%	9.0%
Buses	2	2	1	1	3
% Buses	0.4%	0.4%	0.2%	0.2%	0.3%
Bicycles on Road	0	0	0	0	0
% Bicycles on Road	0%	0%	0%	0%	0%

*T: Thru

Brainard Avenue - South of Torrence Ave - ATR

Tue Aug 1, 2023

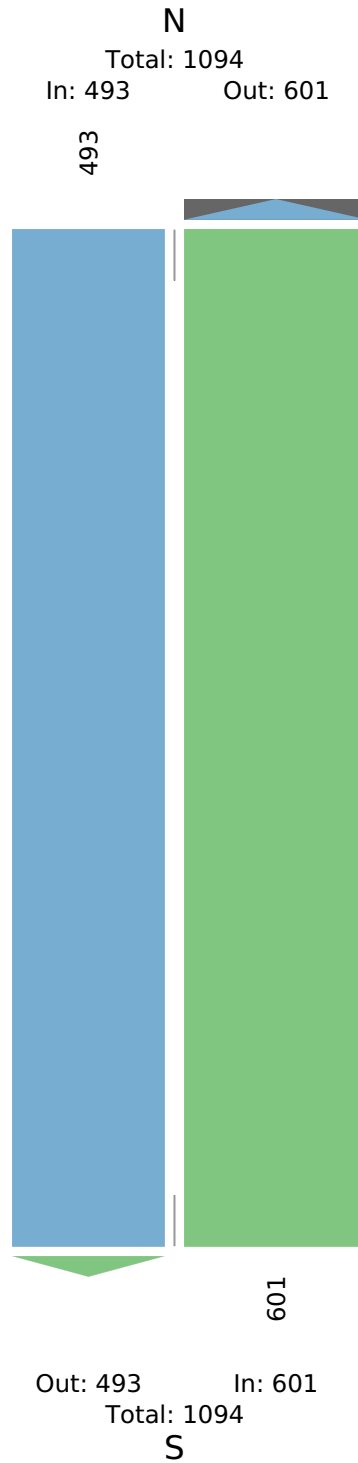
AM Peak (Aug 01 2023 10AM - 11 AM)

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

All Channels

ID: 1095611, Location: 41.655566, -87.555081

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



Brainard Avenue - South of Torrence Ave - ATR

Tue Aug 1, 2023

Midday Peak (Aug 01 2023 12:15PM - 1:15 PM)

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

All Channels

ID: 1095611, Location: 41.655566, -87.555081

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

Leg Direction	North Southbound		South Northbound		
Time	T	App	T	App	Int
2023-08-01 12:15PM	146	146	137	137	283
12:30PM	122	122	168	168	290
12:45PM	143	143	163	163	306
1:00PM	161	161	142	142	303
Total	572	572	610	610	1182
% Approach	100%	-	100%	-	-
% Total	48.4%	48.4%	51.6%	51.6%	-
PHF	0.888	0.888	0.906	0.906	0.965
Lights	504	504	551	551	1055
% Lights	88.1%	88.1%	90.3%	90.3%	89.3%
Single-Unit Trucks	21	21	33	33	54
% Single-Unit Trucks	3.7%	3.7%	5.4%	5.4%	4.6%
Articulated Trucks	45	45	23	23	68
% Articulated Trucks	7.9%	7.9%	3.8%	3.8%	5.8%
Buses	2	2	2	2	4
% Buses	0.3%	0.3%	0.3%	0.3%	0.3%
Bicycles on Road	0	0	1	1	1
% Bicycles on Road	0%	0%	0.2%	0.2%	0.1%

*T: Thru

Brainard Avenue - South of Torrence Ave - ATR

Tue Aug 1, 2023

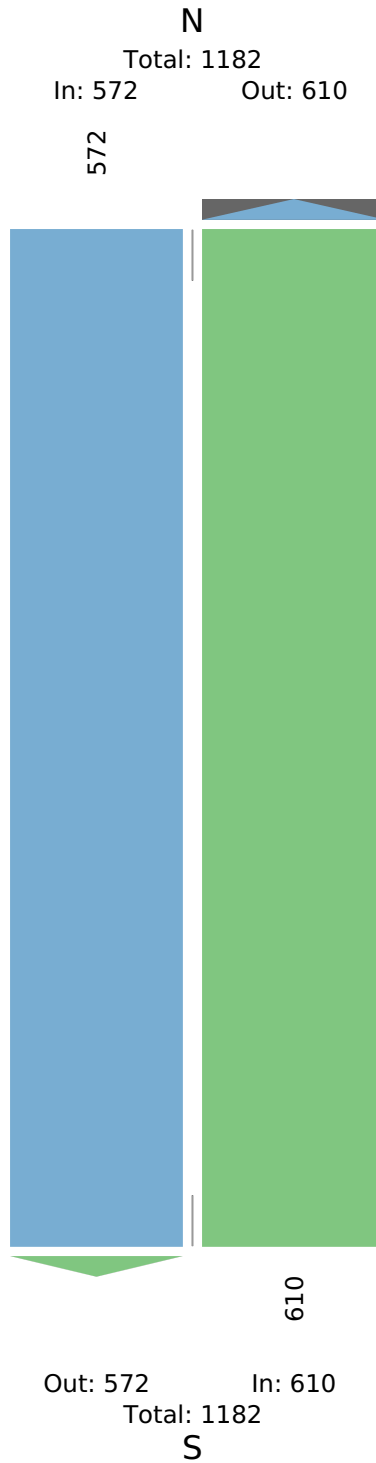
Midday Peak (Aug 01 2023 12:15PM - 1:15 PM)

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

All Channels

ID: 1095611, Location: 41.655566, -87.555081

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



Brainard Avenue - South of Torrence Ave - ATR

Tue Aug 1, 2023

PM Peak (Aug 01 2023 4:30PM - 5:30 PM) - Overall Peak Hour

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

All Channels

ID: 1095611, Location: 41.655566, -87.555081

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

Leg Direction	North Southbound		South Northbound		
Time	T	App	T	App	Int
2023-08-01 4:30PM	240	240	192	192	432
4:45PM	226	226	195	195	421
5:00PM	240	240	190	190	430
5:15PM	199	199	177	177	376
Total	905	905	754	754	1659
% Approach	100%	-	100%	-	-
% Total	54.6%	54.6%	45.4%	45.4%	-
PHF	0.943	0.943	0.967	0.967	0.960
Lights	886	886	726	726	1612
% Lights	97.9%	97.9%	96.3%	96.3%	97.2%
Single-Unit Trucks	4	4	6	6	10
% Single-Unit Trucks	0.4%	0.4%	0.8%	0.8%	0.6%
Articulated Trucks	14	14	21	21	35
% Articulated Trucks	1.5%	1.5%	2.8%	2.8%	2.1%
Buses	1	1	1	1	2
% Buses	0.1%	0.1%	0.1%	0.1%	0.1%
Bicycles on Road	0	0	0	0	0
% Bicycles on Road	0%	0%	0%	0%	0%

*T: Thru

Brainard Avenue - South of Torrence Ave - ATR

Tue Aug 1, 2023

PM Peak (Aug 01 2023 4:30PM - 5:30 PM) - Overall Peak Hour

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

All Channels

ID: 1095611, Location: 41.655566, -87.555081

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





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

Count Name: Brainard
 Avenue - South of
 Torrence Ave
 Site Code:
 Start Date: 08/01/2023
 Page No: 1

Direction (Southbound)

Start Time	Lights	Buses	Single-Unit Trucks	Articulated Trucks	Bicycles on Road	Total
10:00 AM	430	2	14	47	0	493
11:00 AM	468	2	19	70	0	559
12:00 PM	479	2	18	50	0	549
1:00 PM	511	3	23	70	0	607
2:00 PM	633	0	29	27	0	689
3:00 PM	701	3	7	21	0	732
4:00 PM	887	1	9	19	0	916
5:00 PM	803	2	6	11	0	822
6:00 PM	621	1	1	20	0	643
7:00 PM	511	1	6	17	0	535
8:00 PM	458	0	1	15	0	474
9:00 PM	384	0	4	9	0	397
10:00 PM	291	0	2	6	0	299
11:00 PM	267	0	2	10	0	279
08/02/2023 12:00 AM	178	0	0	14	0	192
1:00 AM	110	0	1	12	0	123
2:00 AM	73	0	0	7	0	80
3:00 AM	89	1	3	8	1	102
4:00 AM	132	2	11	4	0	149
5:00 AM	224	2	2	24	0	252
6:00 AM	286	3	10	32	0	331
7:00 AM	280	4	18	30	1	333
8:00 AM	295	5	17	39	0	356
9:00 AM	334	2	13	57	0	406
Total	9445	36	216	619	2	10318
Total %	91.5	0.3	2.1	6.0	0.0	100.0
AM Times	11:00 AM	8:00 AM	8:00 AM	9:00 AM	11:00 AM	11:00 AM
AM Peaks	468	5	17	57	0	559
PM Times	4:00 PM	3:00 PM	12:00 PM	1:00 PM	12:00 PM	4:00 PM
PM Peaks	887	3	18	70	0	916



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

Count Name: Brainard
 Avenue - South of
 Torrence Ave
 Site Code:
 Start Date: 08/01/2023
 Page No: 2

Direction (Northbound)

Start Time	Lights	Buses	Single-Unit Trucks	Articulated Trucks	Bicycles on Road	Total
10:00 AM	528	1	20	52	0	601
11:00 AM	577	2	11	21	1	612
12:00 PM	544	4	40	29	1	618
1:00 PM	464	0	32	30	0	526
2:00 PM	511	2	17	55	0	585
3:00 PM	590	4	27	28	0	649
4:00 PM	645	1	9	22	0	677
5:00 PM	695	1	5	20	0	721
6:00 PM	496	2	8	8	0	514
7:00 PM	385	1	2	9	0	397
8:00 PM	359	0	5	11	0	375
9:00 PM	310	0	3	12	0	325
10:00 PM	243	0	3	6	0	252
11:00 PM	168	1	2	11	0	182
08/02/2023 12:00 AM	90	0	2	10	0	102
1:00 AM	81	0	2	12	0	95
2:00 AM	74	0	2	8	0	84
3:00 AM	109	0	2	9	0	120
4:00 AM	266	0	7	13	0	286
5:00 AM	512	0	8	21	0	541
6:00 AM	510	1	8	35	0	554
7:00 AM	478	1	8	32	0	519
8:00 AM	460	1	20	31	0	512
9:00 AM	356	1	11	46	0	414
Total	9451	23	254	531	2	10261
Total %	92.1	0.2	2.5	5.2	0.0	100.0
AM Times	11:00 AM	8:00 AM	8:00 AM	9:00 AM	11:00 AM	11:00 AM
AM Peaks	577	1	20	46	1	612
PM Times	4:00 PM	3:00 PM	12:00 PM	1:00 PM	12:00 PM	4:00 PM
PM Peaks	645	4	40	30	1	677



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

Count Name: Brainard
Avenue - South of
Torrence Ave
Site Code:
Start Date: 08/01/2023
Page No: 3

