

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



COUNT LOCATION: E. 130<sup>th</sup> Street & S. Ellis Ave./S. Cottage Grove Ave.  
Riverdale  
COUNT DATE: 08-01-2023  
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



E. 130th St & S. Ellis Ave intersection EB



E. 130th St & S. Ellis Ave intersection EB



E. 130th St & S. Ellis Ave intersection WB



E. 130th St & S. Ellis Ave intersection EB

## 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.

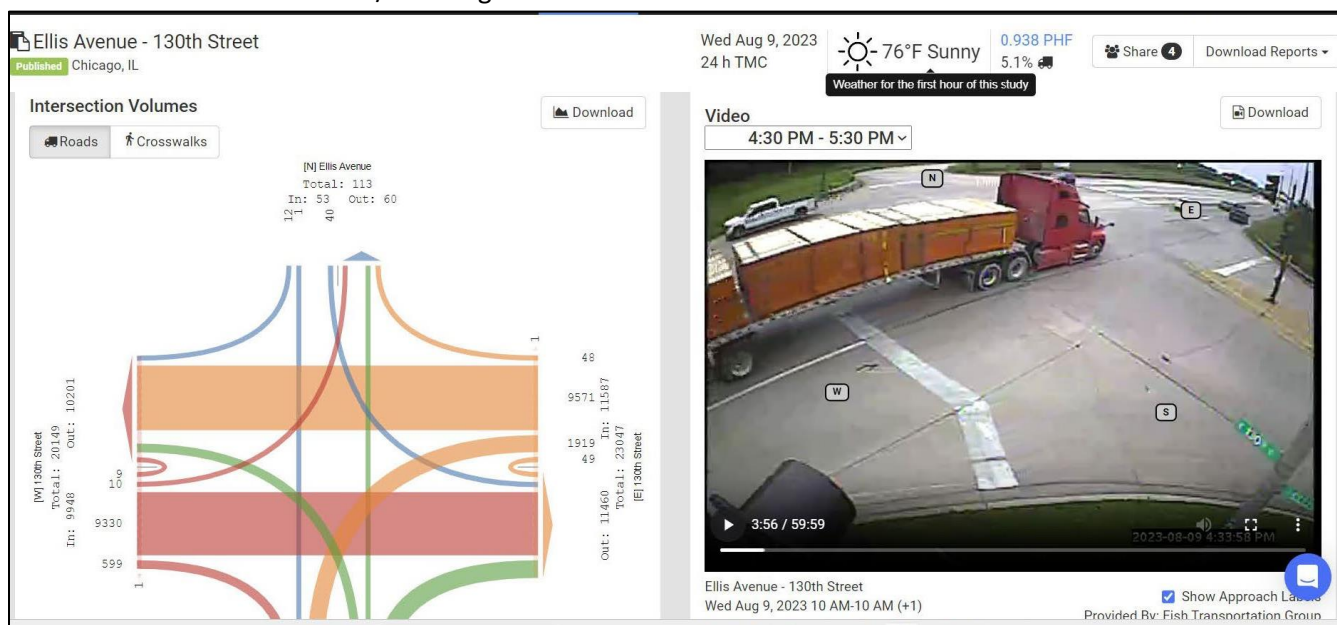
## Miovision Datalink Reports

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

E. 130<sup>th</sup> Street & S. Ellis Avenue/S. Cottage Grove Avenue



### **FTG Summary Reports**

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

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

Both Miovision and FTG reports are attached below.

**Ellis Avenue - 130th Street - TMC**

Wed Aug 9, 2023

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

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

All Movements

ID: 1096856, Location: 41.659441, -87.597699

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

Leg Direction	Ellis Avenue Southbound					130th Street Westbound					Ellis Avenue Northbound					130th Street Eastbound					Int				
Time	R	T	L	U	App Ped*	R	T	L	U	App Ped*	R	T	L	U	App Ped*	R	T	L	U	App Ped*	Int				
2023-08-09 10:00AM	0	0	3	0	3	0	1	405	97	4	507	0	100	0	31	6	137	0	37	490	0	1	528	0	1175
11:00AM	0	1	3	0	4	0	4	506	114	1	625	0	114	0	37	9	160	0	36	457	0	0	493	0	1282
12:00PM	1	0	3	0	4	0	4	524	133	4	665	1	117	0	41	2	160	0	57	467	0	0	524	0	1353
1:00PM	1	0	3	0	4	0	1	518	138	2	659	0	162	0	52	2	216	0	54	535	0	0	589	0	1468
2:00PM	1	0	0	0	1	0	4	590	113	4	711	0	170	1	46	4	221	0	28	613	1	0	642	0	1575
3:00PM	1	0	3	0	4	0	2	611	126	5	744	0	169	0	53	1	223	0	37	813	1	0	851	0	1822
4:00PM	0	0	3	0	3	0	1	760	122	6	889	0	146	0	41	1	188	1	29	795	1	1	826	0	1906
5:00PM	2	0	3	0	5	0	0	619	107	6	732	0	147	0	47	1	195	0	52	651	0	0	703	0	1635
6:00PM	2	0	1	0	3	0	1	556	117	2	676	0	98	0	40	0	138	0	38	534	2	1	575	0	1392
7:00PM	1	0	0	0	1	0	0	474	85	0	559	0	99	1	31	0	131	0	36	424	0	0	460	0	1151
8:00PM	0	0	1	0	1	0	1	449	91	2	543	0	89	0	24	0	113	0	31	420	0	1	452	0	1109
9:00PM	0	0	0	0	0	0	0	326	75	2	403	0	84	0	27	0	111	0	32	317	0	0	349	0	863
10:00PM	0	0	0	0	0	0	0	315	67	2	384	0	78	0	10	0	88	0	14	320	0	0	334	0	806
11:00PM	0	0	0	0	0	0	0	215	52	1	268	0	49	0	14	0	63	0	16	188	0	1	205	0	536
2023-08-10 12:00AM	0	0	0	0	0	0	0	166	40	0	206	0	46	0	12	0	58	0	8	156	0	1	165	0	429
1:00AM	0	0	0	0	0	0	0	98	22	0	120	0	10	0	9	0	19	0	2	96	0	1	99	0	238
2:00AM	0	0	0	0	0	0	0	72	13	1	86	0	14	0	1	0	15	0	5	67	1	0	73	0	174
3:00AM	0	0	1	0	1	0	0	68	11	0	79	0	9	0	5	0	14	0	4	65	0	0	69	0	163
4:00AM	0	0	3	0	3	0	1	134	17	1	153	0	24	0	2	0	26	0	6	99	1	0	106	0	288
5:00AM	1	0	2	0	3	0	2	359	25	1	387	0	34	0	7	0	41	0	4	310	0	0	314	0	745
6:00AM	0	0	3	0	3	0	13	525	50	1	589	0	43	0	14	0	57	0	8	337	0	1	346	0	995
7:00AM	0	0	1	0	1	0	4	427	86	0	517	0	49	0	15	2	66	2	11	389	0	1	401	0	985
8:00AM	1	0	4	0	5	0	5	429	121	3	558	0	103	0	28	1	132	0	31	406	2	0	439	0	1134
9:00AM	1	0	3	0	4	0	4	425	97	1	527	0	87	0	22	1	110	0	23	381	1	0	405	1	1046
<b>Total</b>	12	1	40	0	53	0	48	9571	1919	49	11587	1	2041	2	609	30	2682	3	599	9330	10	9	9948	1	24270
<b>% Approach</b>	22.6%	1.9%	75.5%	0%	-	-	0.4%	82.6%	16.6%	0.4%	-	-	76.1%	0.1%	22.7%	1.1%	-	-	6.0%	93.8%	0.1%	0.1%	-	-	-
<b>% Total</b>	0%	0%	0.2%	0%	0.2%	-	0.2%	39.4%	7.9%	0.2%	47.7%	-	8.4%	0%	2.5%	0.1%	11.1%	-	2.5%	38.4%	0%	0%	41.0%	-	-
<b>Lights</b>	7	1	15	0	23	-	11	9043	1875	49	10978	-	2007	2	583	30	2622	-	587	8802	7	9	9405	-	23028
<b>% Lights</b>	58.3%	100%	37.5%	0%	43.4%	-	22.9%	94.5%	97.7%	100%	94.7%	-	98.3%	100%	95.7%	100%	97.8%	-	98.0%	94.3%	70.0%	100%	94.5%	-	94.9%
<b>Single-Unit Trucks</b>	3	0	3	0	6	-	4	198	22	0	224	-	11	0	14	0	25	-	6	187	1	0	194	-	449
<b>% Single-Unit Trucks</b>	25.0%	0%	7.5%	0%	11.3%	-	8.3%	2.1%	1.1%	0%	1.9%	-	0.5%	0%	2.3%	0%	0.9%	-	1.0%	2.0%	10.0%	0%	2.0%	-	1.9%
<b>Articulated Trucks</b>	2	0	22	0	24	-	33	251	1	0	285	-	0	0	0	0	0	-	0	275	2	0	277	-	586
<b>% Articulated Trucks</b>	16.7%	0%	55.0%	0%	45.3%	-	68.8%	2.6%	0.1%	0%	2.5%	-	0%	0%	0%	0%	0%	-	0%	2.9%	20.0%	0%	2.8%	-	2.4%
<b>Buses</b>	0	0	0	0	0	-	0	78	21	0	99	-	22	0	12	0	34	-	6	66	0	0	72	-	205
<b>% Buses</b>	0%	0%	0%	0%	0%	-	0%	0.8%	1.1%	0%	0.9%	-	1.1%	0%	2.0%	0%	1.3%	-	1.0%	0.7%	0%	0%	0.7%	-	0.8%
<b>Bicycles on Road</b>	0	0	0	0	0	-	0	1	0	0	1	-	1	0	0	0	1	-	0	0	0	0	0	-	2
<b>% Bicycles on Road</b>	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
<b>Pedestrians</b>	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	3	-	-	-	-	-	1	-
<b>% Pedestrians</b>	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	100%	-
<b>Bicycles on Crosswalk</b>	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
<b>% Bicycles on Crosswalk</b>	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	0%	-

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

**Ellis Avenue - 130th Street - TMC**

Wed Aug 9, 2023

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

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

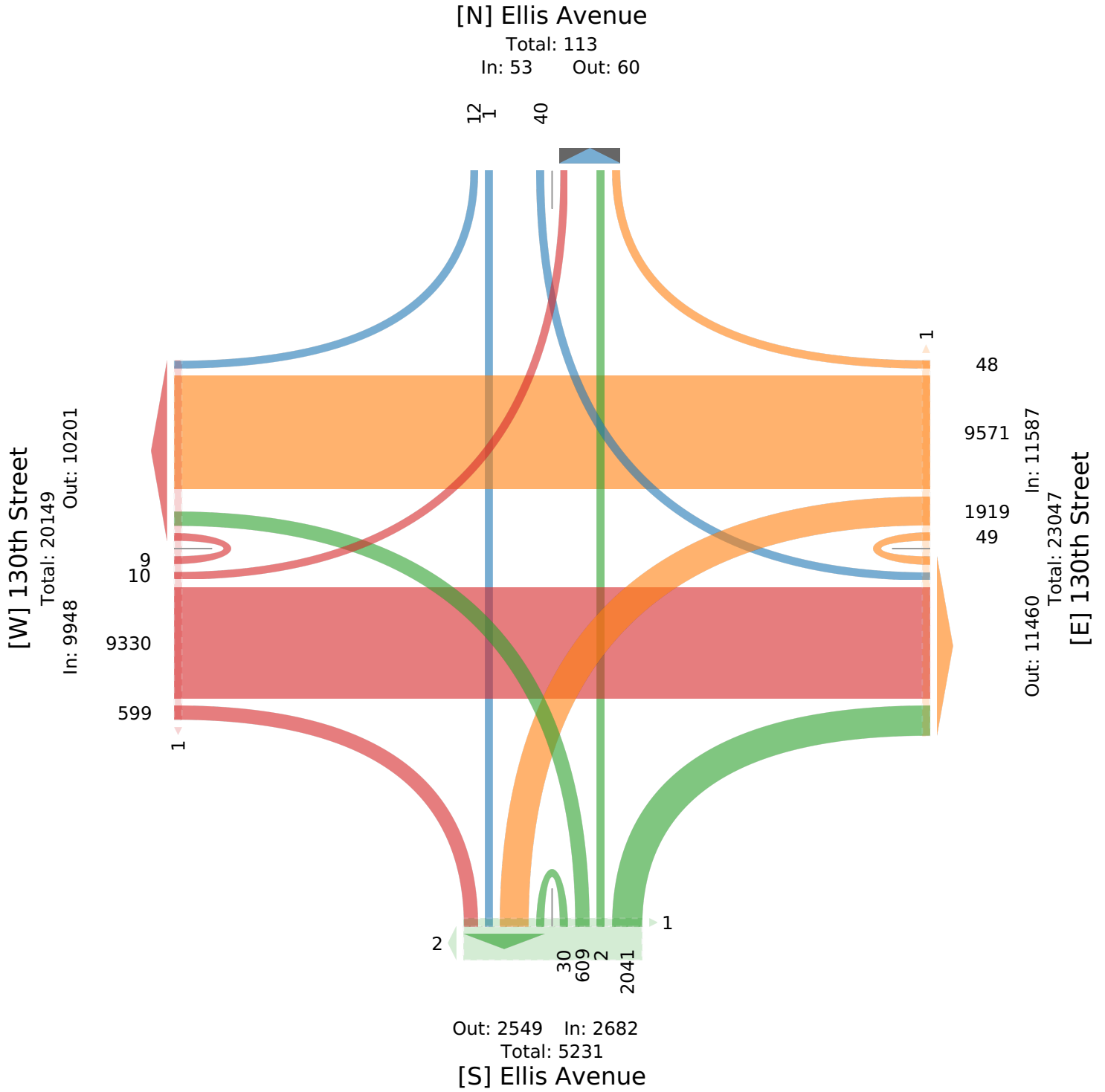
All Movements

ID: 1096856, Location: 41.659441, -87.597699

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US



**Ellis Avenue - 130th Street - TMC**

Wed Aug 9, 2023

AM Peak (Aug 09 2023 10AM - 11 AM)

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

All Movements

ID: 1096856, Location: 41.659441, -87.597699

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

Leg Direction	Ellis Avenue Southbound					130th Street Westbound					Ellis Avenue Northbound					130th Street Eastbound								
Time	R	T	L	U	App Ped*	R	T	L	U	App Ped*	R	T	L	U	App Ped*	R	T	L	U	App Ped*	Int			
2023-08-09 10:00AM	0	0	3	0	<b>3</b>	0	98	18	2	<b>118</b>	0	31	0	4	0	<b>35</b>	0	6	119	0	0	<b>125</b>	0	<b>281</b>
10:15AM	0	0	0	0	<b>0</b>	1	87	33	0	<b>121</b>	0	22	0	8	2	<b>32</b>	0	8	137	0	0	<b>145</b>	0	<b>298</b>
10:30AM	0	0	0	0	<b>0</b>	0	104	23	2	<b>129</b>	0	24	0	9	0	<b>33</b>	0	11	125	0	1	<b>137</b>	0	<b>299</b>
10:45AM	0	0	0	0	<b>0</b>	0	116	23	0	<b>139</b>	0	23	0	10	4	<b>37</b>	0	12	109	0	0	<b>121</b>	0	<b>297</b>
<b>Total</b>	0	0	3	0	<b>3</b>	1	405	97	4	<b>507</b>	0	100	0	31	6	<b>137</b>	0	37	490	0	1	<b>528</b>	0	<b>1175</b>
<b>% Approach</b>	0%	0%	100%	0%	-	0.2%	79.9%	19.1%	0.8%	-	73.0%	0%	22.6%	4.4%	-	7.0%	92.8%	0%	0.2%	-	-	-	-	-
<b>% Total</b>	0%	0%	0.3%	0%	<b>0.3%</b>	0.1%	34.5%	8.3%	0.3%	<b>43.1%</b>	-	8.5%	0%	2.6%	0.5%	<b>11.7%</b>	-	3.1%	41.7%	0%	0.1%	<b>44.9%</b>	-	-
<b>PHF</b>	-	-	0.250	-	<b>-0.250</b>	0.250	0.873	0.735	0.500	<b>0.912</b>	-	0.806	-	0.775	0.375	<b>0.926</b>	-	0.771	0.894	-	0.250	<b>0.910</b>	-	0.982
<b>Lights</b>	0	0	3	0	<b>3</b>	0	364	97	4	<b>465</b>	-	95	0	30	6	<b>131</b>	-	36	431	0	1	<b>468</b>	-	1067
<b>% Lights</b>	0%	0%	100%	0%	<b>100%</b>	0%	89.9%	100%	100%	<b>91.7%</b>	-	95.0%	0%	96.8%	100%	<b>95.6%</b>	-	97.3%	88.0%	0%	100%	<b>88.6%</b>	-	90.8%
<b>Single-Unit Trucks</b>	0	0	0	0	<b>0</b>	0	14	0	0	<b>14</b>	-	3	0	0	0	<b>3</b>	-	0	22	0	0	<b>22</b>	-	39
<b>% Single-Unit Trucks</b>	0%	0%	0%	0%	<b>0%</b>	0%	3.5%	0%	0%	<b>2.8%</b>	-	3.0%	0%	0%	0%	<b>2.2%</b>	-	0%	4.5%	0%	0%	<b>4.2%</b>	-	3.3%
<b>Articulated Trucks</b>	0	0	0	0	<b>0</b>	1	24	0	0	<b>25</b>	-	0	0	0	0	<b>0</b>	-	0	36	0	0	<b>36</b>	-	61
<b>% Articulated Trucks</b>	0%	0%	0%	0%	<b>0%</b>	100%	5.9%	0%	0%	<b>4.9%</b>	-	0%	0%	0%	0%	<b>0%</b>	-	0%	7.3%	0%	0%	<b>6.8%</b>	-	5.2%
<b>Buses</b>	0	0	0	0	<b>0</b>	0	3	0	0	<b>3</b>	-	2	0	1	0	<b>3</b>	-	1	1	0	0	<b>2</b>	-	8
<b>% Buses</b>	0%	0%	0%	0%	<b>0%</b>	0%	0.7%	0%	0%	<b>0.6%</b>	-	2.0%	0%	3.2%	0%	<b>2.2%</b>	-	2.7%	0.2%	0%	0%	<b>0.4%</b>	-	0.7%
<b>Bicycles on Road</b>	0	0	0	0	<b>0</b>	0	0	0	0	<b>0</b>	-	0	0	0	0	<b>0</b>	-	0	0	0	0	<b>0</b>	-	0
<b>% Bicycles on Road</b>	0%	0%	0%	0%	<b>0%</b>	0%	0%	0%	0%	<b>0%</b>	-	0%	0%	0%	0%	<b>0%</b>	-	0%	0%	0%	0%	<b>0%</b>	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	0
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

**Ellis Avenue - 130th Street - TMC**

Wed Aug 9, 2023

AM Peak (Aug 09 2023 10AM - 11 AM)

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

All Movements

ID: 1096856, Location: 41.659441, -87.597699

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

**[N] Ellis Avenue**

Total: 4

In: 3 Out: 1

3

**[W] 130th Street**

Total: 965

In: 528

Out: 437

1

490

37

1

405

97

4

In: 507

Total: 1104

Out: 597

**[E] 130th Street**

6

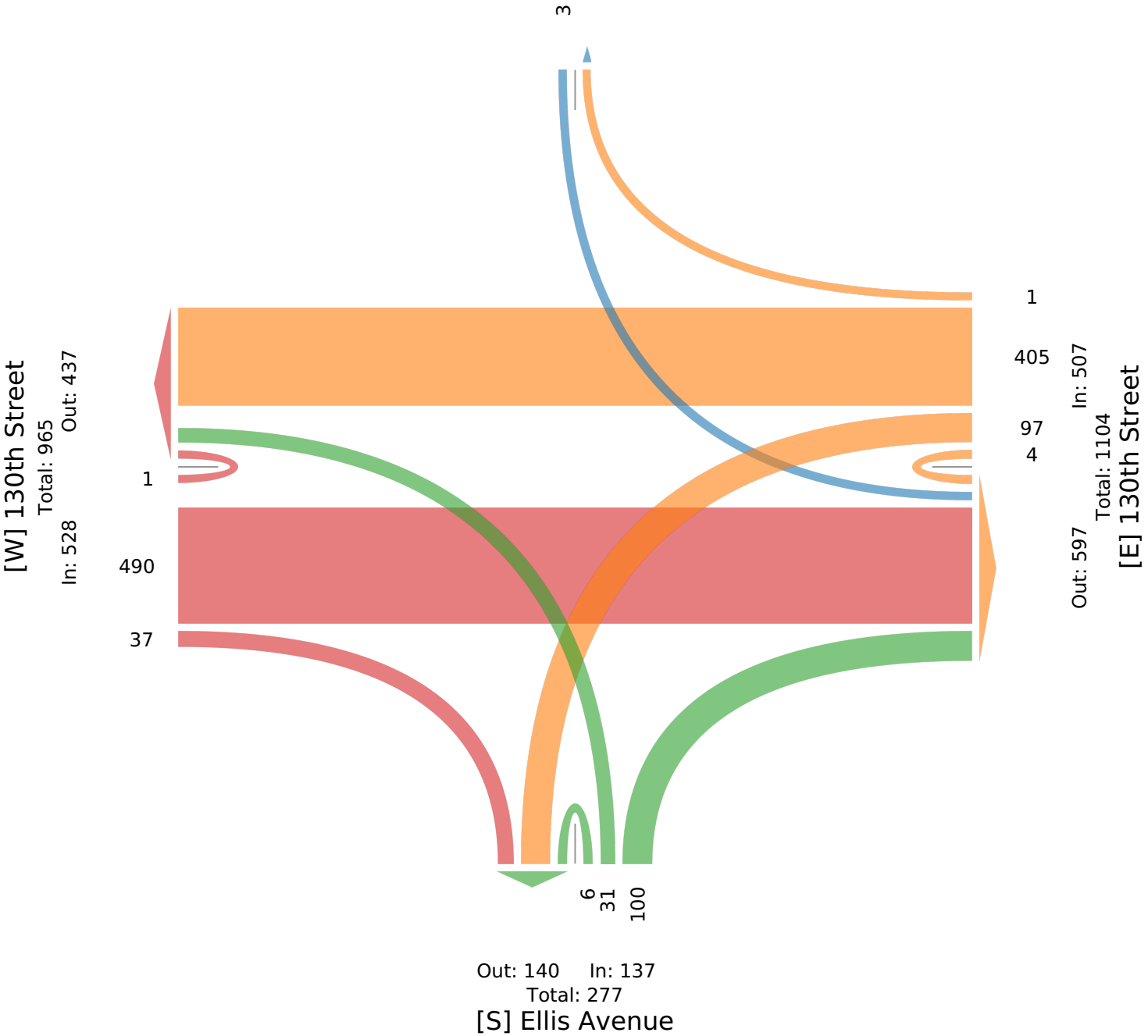
31

100

Out: 140 In: 137

Total: 277

**[S] Ellis Avenue**





**Ellis Avenue - 130th Street - TMC**

Wed Aug 9, 2023

Midday Peak (Aug 09 2023 1PM - 2 PM)

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

All Movements

ID: 1096856, Location: 41.659441, -87.597699

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

Leg Direction	Ellis Avenue Southbound						130th Street Westbound						Ellis Avenue Northbound						130th Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2023-08-09 1:00PM	1	0	1	0	2	0	0	128	37	0	165	0	35	0	14	0	49	0	9	134	0	0	143	0	359
1:15PM	0	0	1	0	1	0	0	120	39	0	159	0	45	0	13	0	58	0	17	121	0	0	138	0	356
1:30PM	0	0	0	0	0	0	0	131	29	1	161	0	40	0	16	2	58	0	16	137	0	0	153	0	372
1:45PM	0	0	1	0	1	0	1	139	33	1	174	0	42	0	9	0	51	0	12	143	0	0	155	0	381
<b>Total</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>518</b>	<b>138</b>	<b>2</b>	<b>659</b>	<b>0</b>	<b>162</b>	<b>0</b>	<b>52</b>	<b>2</b>	<b>216</b>	<b>0</b>	<b>54</b>	<b>535</b>	<b>0</b>	<b>0</b>	<b>589</b>	<b>0</b>	<b>1468</b>
<b>% Approach</b>	25.0%	0%	75.0%	0%	-	-	0.2%	78.6%	20.9%	0.3%	-	-	75.0%	0%	24.1%	0.9%	-	-	9.2%	90.8%	0%	0%	-	-	-
<b>% Total</b>	0.1%	0%	0.2%	0%	<b>0.3%</b>	-	0.1%	35.3%	9.4%	0.1%	<b>44.9%</b>	-	11.0%	0%	3.5%	0.1%	<b>14.7%</b>	-	3.7%	36.4%	0%	0%	<b>40.1%</b>	-	-
<b>PHF</b>	0.250	-	0.750	-	<b>0.500</b>	-	0.250	0.930	0.885	0.500	<b>0.945</b>	-	0.900	-	0.813	0.250	<b>0.931</b>	-	0.794	0.935	-	-	<b>0.950</b>	-	0.963
<b>Lights</b>	0	0	1	0	1	-	1	468	138	2	609	-	161	0	52	2	215	-	53	486	0	0	539	-	1364
<b>% Lights</b>	0%	0%	33.3%	0%	<b>25.0%</b>	-	100%	90.3%	100%	100%	<b>92.4%</b>	-	99.4%	0%	100%	100%	<b>99.5%</b>	-	98.1%	90.8%	0%	0%	<b>91.5%</b>	-	92.9%
<b>Single-Unit Trucks</b>	0	0	1	0	1	-	0	20	0	0	20	-	1	0	0	0	1	-	1	11	0	0	12	-	34
<b>% Single-Unit Trucks</b>	0%	0%	33.3%	0%	<b>25.0%</b>	-	0%	3.9%	0%	0%	<b>3.0%</b>	-	0.6%	0%	0%	0%	<b>0.5%</b>	-	1.9%	2.1%	0%	0%	<b>2.0%</b>	-	2.3%
<b>Articulated Trucks</b>	1	0	1	0	2	-	0	25	0	0	25	-	0	0	0	0	0	-	0	34	0	0	34	-	61
<b>% Articulated Trucks</b>	100%	0%	33.3%	0%	<b>50.0%</b>	-	0%	4.8%	0%	0%	<b>3.8%</b>	-	0%	0%	0%	0%	<b>0%</b>	-	0%	6.4%	0%	0%	<b>5.8%</b>	-	4.2%
<b>Buses</b>	0	0	0	0	0	-	0	4	0	0	4	-	0	0	0	0	0	-	0	4	0	0	4	-	8
<b>% Buses</b>	0%	0%	0%	0%	<b>0%</b>	-	0%	0.8%	0%	0%	<b>0.6%</b>	-	0%	0%	0%	0%	<b>0%</b>	-	0%	0.7%	0%	0%	<b>0.7%</b>	-	0.5%
<b>Bicycles on Road</b>	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	1
<b>% Bicycles on Road</b>	0%	0%	0%	0%	<b>0%</b>	-	0%	0.2%	0%	0%	<b>0.2%</b>	-	0%	0%	0%	0%	<b>0%</b>	-	0%	0%	0%	0%	<b>0%</b>	-	0.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

**Ellis Avenue - 130th Street - TMC**

Wed Aug 9, 2023

Midday Peak (Aug 09 2023 1PM - 2 PM)

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

All Movements

ID: 1096856, Location: 41.659441, -87.597699

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

**[N] Ellis Avenue**

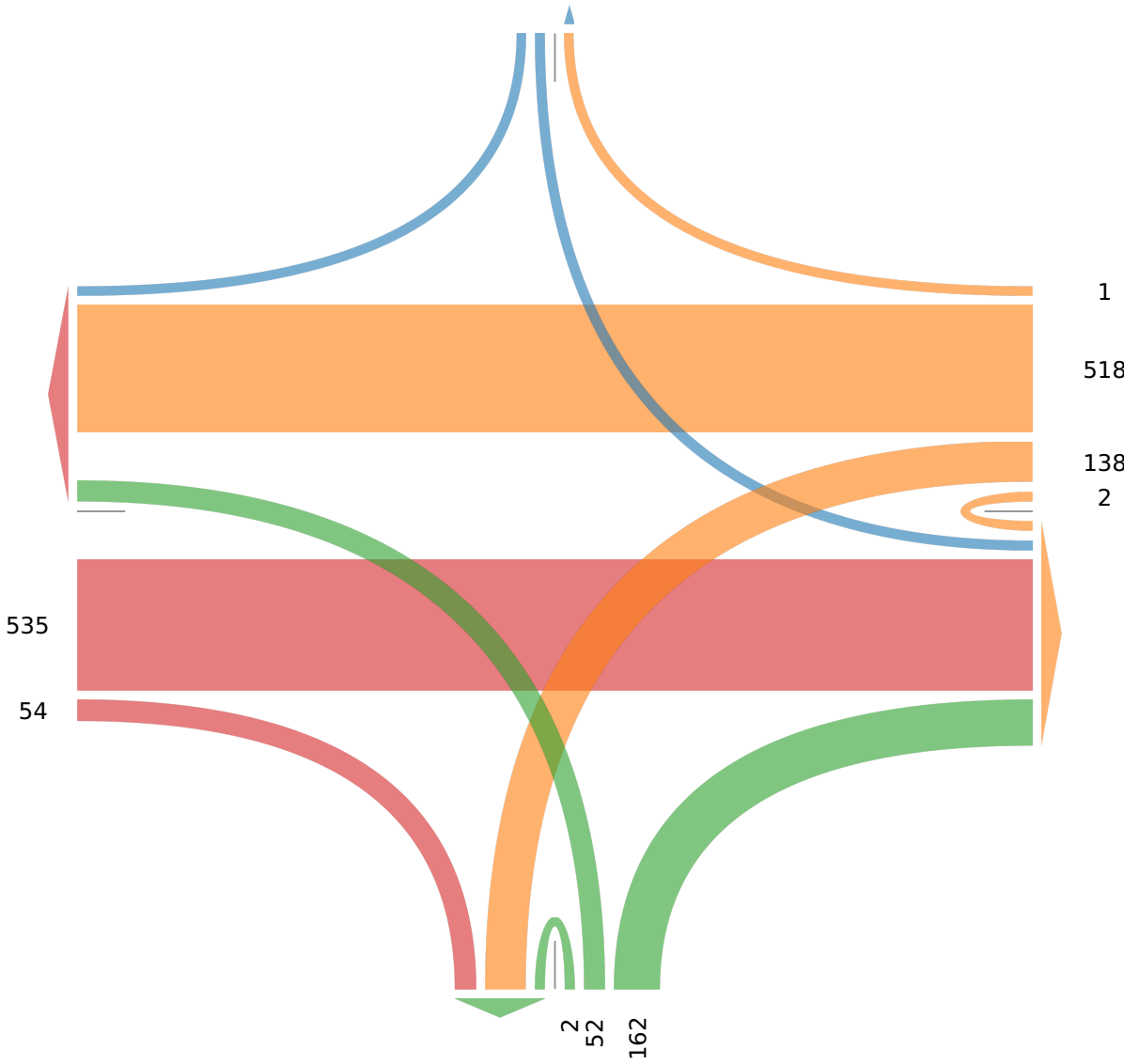
Total: 5

In: 4      Out: 1

13

**[W] 130th Street**  
Total: 1160  
In: 589    Out: 571

**[E] 130th Street**  
Total: 1361  
In: 659    Out: 702



Out: 194    In: 216  
Total: 410  
**[S] Ellis Avenue**

Ellis Avenue - 130th Street - TMC

Wed Aug 9, 2023

PM Peak (Aug 09 2023 4PM - 5 PM) - Overall Peak Hour

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

All Movements

ID: 1096856, Location: 41.659441, -87.597699

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

Leg Direction	Ellis Avenue Southbound						130th Street Westbound						Ellis Avenue Northbound						130th Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2023-08-09 4:00PM	0	0	0	0	0	0	0	145	33	1	179	0	41	0	14	1	56	0	6	204	1	0	211	0	446
4:15PM	0	0	0	0	0	0	0	187	27	3	217	0	35	0	11	0	46	1	6	195	0	1	202	0	465
4:30PM	0	0	2	0	2	0	0	195	33	1	229	0	36	0	6	0	42	0	12	202	0	0	214	0	487
4:45PM	0	0	1	0	1	0	1	233	29	1	264	0	34	0	10	0	44	0	5	194	0	0	199	0	508
<b>Total</b>	0	0	3	0	3	0	1	760	122	6	889	0	146	0	41	1	188	1	29	795	1	1	826	0	1906
<b>% Approach</b>	0%	0%	100%	0%	-	-	0.1%	85.5%	13.7%	0.7%	-	-	77.7%	0%	21.8%	0.5%	-	-	3.5%	96.2%	0.1%	0.1%	-	-	-
<b>% Total</b>	0%	0%	0.2%	0%	0.2%	-	0.1%	39.9%	6.4%	0.3%	46.6%	-	7.7%	0%	2.2%	0.1%	9.9%	-	1.5%	41.7%	0.1%	0.1%	43.3%	-	-
<b>PHF</b>	-	-	0.375	-	0.375	-	0.250	0.815	0.924	0.500	0.842	-	0.890	-	0.732	0.250	0.839	-	0.604	0.974	0.250	0.250	0.965	-	0.938
<b>Lights</b>	0	0	2	0	2	-	1	743	121	6	871	-	145	0	40	1	186	-	29	773	1	1	804	-	1863
<b>% Lights</b>	0%	0%	66.7%	0%	66.7%	-	100%	97.8%	99.2%	100%	98.0%	-	99.3%	0%	97.6%	100%	98.9%	-	100%	97.2%	100%	100%	97.3%	-	97.7%
<b>Single-Unit Trucks</b>	0	0	0	0	0	-	0	6	1	0	7	-	0	0	1	0	1	-	0	11	0	0	11	-	19
<b>% Single-Unit Trucks</b>	0%	0%	0%	0%	0%	-	0%	0.8%	0.8%	0%	0.8%	-	0%	0%	2.4%	0%	0.5%	-	0%	1.4%	0%	0%	1.3%	-	1.0%
<b>Articulated Trucks</b>	0	0	1	0	1	-	0	5	0	0	5	-	0	0	0	0	0	-	0	8	0	0	8	-	14
<b>% Articulated Trucks</b>	0%	0%	33.3%	0%	33.3%	-	0%	0.7%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	-	0%	1.0%	0%	0%	1.0%	-	0.7%
<b>Buses</b>	0	0	0	0	0	-	0	6	0	0	6	-	1	0	0	0	1	-	0	3	0	0	3	-	10
<b>% Buses</b>	0%	0%	0%	0%	0%	-	0%	0.8%	0%	0%	0.7%	-	0.7%	0%	0%	0%	0.5%	-	0%	0.4%	0%	0%	0.4%	-	0.5%
<b>Bicycles on Road</b>	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
<b>% Bicycles on Road</b>	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
<b>Pedestrians</b>	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-
<b>% Pedestrians</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-
<b>Bicycles on Crosswalk</b>	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
<b>% Bicycles on Crosswalk</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-

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

**Ellis Avenue - 130th Street - TMC**

Wed Aug 9, 2023

PM Peak (Aug 09 2023 4PM - 5 PM) - Overall Peak Hour

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

All Movements

ID: 1096856, Location: 41.659441, -87.597699

Provided by: Fish Transportation Group Inc.

1950 N Washington Street, Suite 211,

Naperville, IL, 60563, US

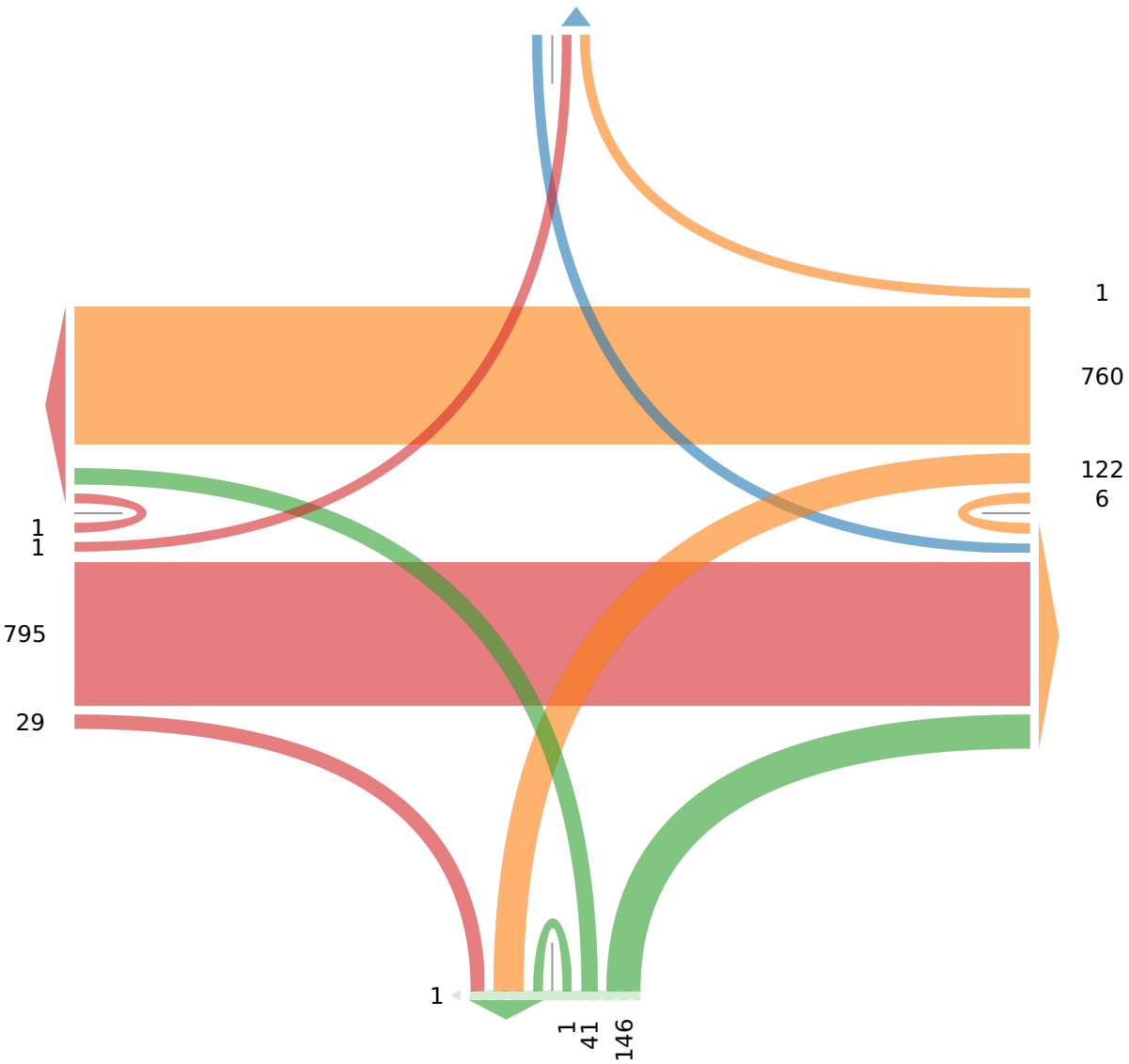
**[N] Ellis Avenue**

Total: 5

In: 3 Out: 2

3

**[W] 130th Street**  
Total: 1628  
In: 826 Out: 802



**[E] 130th Street**  
Total: 1839  
In: 889 Out: 950

Out: 152 In: 188  
Total: 340

**[S] Ellis Avenue**

# Fish Transportation Group

1950 N Washington Street  
Suite 211  
Naperville, Illinois 60563

Ellis Avenue & 130th Street

08-09-23

### Groups Printed- Articulated Trucks

Start Time	Ellis Avenue From North				130th Street From East				Ellis Avenue From South				130th Street From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
10:00 AM	0	0	0	0	1	24	0	0	0	0	0	0	0	36	0	0	61
11:00 AM	0	0	3	0	3	23	0	0	0	0	0	0	0	30	0	0	59
12:00 PM	0	0	2	0	3	22	0	0	0	0	0	0	0	27	0	0	54
01:00 PM	1	0	1	0	0	25	0	0	0	0	0	0	0	34	0	0	61
02:00 PM	0	0	0	0	3	20	0	0	0	0	0	0	0	14	1	0	38
03:00 PM	0	0	1	0	2	11	0	0	0	0	0	0	0	8	0	0	22
04:00 PM	0	0	1	0	0	5	0	0	0	0	0	0	0	8	0	0	14
05:00 PM	0	0	0	0	0	3	0	0	0	0	0	0	0	4	0	0	7
06:00 PM	0	0	0	0	0	4	0	0	0	0	0	0	0	2	1	0	7
07:00 PM	0	0	0	0	0	4	0	0	0	0	0	0	0	3	0	0	7
08:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	5
09:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
10:00 PM	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
12:00 AM	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	4
01:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	6	0	0	7
03:00 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	5	0	0	6
04:00 AM	0	0	2	0	1	4	0	0	0	0	0	0	0	4	0	0	11
05:00 AM	0	0	2	0	0	7	0	0	0	0	0	0	0	8	0	0	17
06:00 AM	0	0	3	0	11	26	0	0	0	0	0	0	0	10	0	0	50
07:00 AM	0	0	1	0	1	17	0	0	0	0	0	0	0	20	0	0	39
08:00 AM	1	0	4	0	4	22	0	0	0	0	0	0	0	28	0	0	59
09:00 AM	0	0	2	0	4	23	0	0	0	0	0	0	0	21	0	0	50
Grand Total	2	0	22	0	33	251	1	0	0	0	0	0	0	275	2	0	586
Apprch %	8.3	0	91.7	0	11.6	88.1	0.4	0	0	0	0	0	0	99.3	0.7	0	
Total %	0.3	0	3.8	0	5.6	42.8	0.2	0	0	0	0	0	0	46.9	0.3	0	

# Fish Transportation Group

1950 N Washington Street  
Suite 211  
Naperville, Illinois 60563

Ellis Avenue & 130th Street

08-09-23

Groups Printed- Unit Trucks - Articulated Trucks

Start Time	Ellis Avenue From North				130th Street From East				Ellis Avenue From South				130th Street From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
10:00 AM	0	0	0	0	1	38	0	0	3	0	0	0	0	58	0	0	100
11:00 AM	0	0	3	0	3	39	1	0	2	0	0	0	0	53	0	0	101
12:00 PM	1	0	2	0	4	40	0	0	0	0	0	0	2	45	0	0	94
01:00 PM	1	0	2	0	0	45	0	0	1	0	0	0	1	45	0	0	95
02:00 PM	0	0	0	0	4	34	1	0	1	0	2	0	0	24	1	0	67
03:00 PM	1	0	1	0	2	22	0	0	0	0	1	0	1	20	1	0	49
04:00 PM	0	0	1	0	0	11	1	0	0	0	1	0	0	19	0	0	33
05:00 PM	1	0	0	0	0	9	1	0	1	0	1	0	0	13	0	0	26
06:00 PM	0	0	0	0	0	9	0	0	0	0	0	0	0	4	1	0	14
07:00 PM	0	0	0	0	0	12	0	0	0	0	0	0	0	4	0	0	16
08:00 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	4	0	0	6
09:00 PM	0	0	0	0	0	1	1	0	0	0	0	0	0	5	0	0	7
10:00 PM	0	0	0	0	0	5	1	0	0	0	0	0	0	1	0	0	7
11:00 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	3
12:00 AM	0	0	0	0	0	6	0	0	0	0	0	0	0	2	0	0	8
01:00 AM	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	4
02:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	7	0	0	8
03:00 AM	0	0	0	0	0	1	1	0	0	0	0	0	0	6	0	0	8
04:00 AM	0	0	3	0	1	9	2	0	0	0	0	0	0	5	0	0	20
05:00 AM	0	0	2	0	0	14	1	0	0	0	3	0	0	11	0	0	31
06:00 AM	0	0	3	0	12	36	2	0	0	0	0	0	0	20	0	0	73
07:00 AM	0	0	1	0	2	32	3	0	2	0	2	0	1	41	0	0	84
08:00 AM	1	0	4	0	4	36	1	0	1	0	1	0	0	45	0	0	93
09:00 AM	0	0	3	0	4	44	7	0	0	0	2	0	0	28	0	0	88
Grand Total	5	0	25	0	37	449	23	0	11	0	14	0	6	462	3	0	1035
Apprch %	16.7	0	83.3	0	7.3	88.2	4.5	0	44	0	56	0	1.3	98.1	0.6	0	
Total %	0.5	0	2.4	0	3.6	43.4	2.2	0	1.1	0	1.4	0	0.6	44.6	0.3	0	
Single-Unit Trucks	3	0	3	0	4	198	22	0	11	0	14	0	6	187	1	0	449
% Single-Unit Trucks	60	0	12	0	10.8	44.1	95.7	0	100	0	100	0	100	40.5	33.3	0	43.4
Articulated Trucks	2	0	22	0	33	251	1	0	0	0	0	0	0	275	2	0	586
% Articulated Trucks	40	0	88	0	89.2	55.9	4.3	0	0	0	0	0	0	59.5	66.7	0	56.6