

TECHNICAL MEMORANDUM

Traffic Signal Coordination and Summary of Findings for East Boulevard – Between E. Thirteenth Street and Spencer Highway

Date: February 25, 2019

To: Adam Ballesteros, P.E. – City of Deer Park

From: Suzanna Set, P.E., PTOE – Midtown Engineers LLC

CC: Bill Pedersen, P.E. – City of Deer Park



February 25, 2019

This technical memorandum documents the findings of a traffic study and the coordinated signal timing plans for East Boulevard, between E. Thirteenth Street and Spencer Highway, in the City of Deer Park.

Background

Midtown Engineers LLC was contracted by the City of Deer Park to perform a traffic study for East Boulevard and to provide coordination to eight signalized intersections along the corridor. The goal of the coordinated signal timing is to synchronize traffic movements and to manage the progression speed. In addition, the coordination of traffic signals can reduce the number of stops along East Boulevard, provide for a continuous flow of traffic at the target speed and reduce fuel consumption and vehicle emission.

East Boulevard is a 2.5-mile long, four-lane, concrete boulevard with raised medians and median openings. The study limit includes eight (8) signalized intersections, listed below, along East Boulevard (from north to south). See **Exhibit 1** for Site Location Map.

1. E Thirteenth Street
2. E X Street
3. E San Augustine Street
4. E P Street
5. E Pasadena Boulevard
6. Aaron Street
7. HEB and Walmart driveways
8. Spencer Highway

The posted speed limit along East Boulevard ranges between 40 MPH and 50 MPH. The side street posted speed limits vary between 25, 30, 40 and 45 MPH. The left turn storage lengths

were measured in the field and summarized in **Table 1** below. See **Exhibit 2** for Existing Posted Speed Limits and Lane Configurations.

Table 1: Existing Left Turn Storage Lengths

| Intersection | Storage Length, in feet | | | |
|--|-------------------------|------------|-----------|-----------|
| | Northbound | Southbound | Eastbound | Westbound |
| 1. East Boulevard at E Thirteenth Street | 120 | 185 | 275 | 300 |
| 2. East Boulevard at E X Street | 125 | 125 | N/A | N/A |
| 3. East Boulevard at E San Augustine Street | 180 | 180 | N/A | N/A |
| 4. East Boulevard at E P Street | 175 | 175 | N/A | N/A |
| 5. East Boulevard at E Pasadena Boulevard | 150 | 145 | N/A | N/A |
| 6. East Boulevard at Aaron Street | 180 | 175 | N/A | N/A |
| 7. East Boulevard at HEB and Walmart driveways | 125 | 110 | N/A | N/A |
| 8. East Boulevard at Spencer Highway | 140 | 155 | 115 | 100 |

According to the Houston-Galveston Area Council (H-GAC), the land use along East Boulevard is primarily residential. There are commercial developments on the north and south end of the study limit. In addition, Heritage Elementary School and Deer Park Fire Station #3 are located along East Boulevard within the study limit.

Methodology and Assumptions

SYNCHRO 9TM, a macroscopic analysis and optimization software, was used to develop the AM, PM and off peak hour signal timing plans. The phasing are based on the typical NEMA phasing.

The AM and PM timing plans was based on the peak hour from the collected traffic data. For the off-peak timing plan, it was assumed the off-peak hour would be from 10:00 to 11:00 AM, with the assumption that school would be in session and lunchtime traffic starts after 11:00 AM.

One of the most important elements of a successful coordination of a signalized corridor is making sure that all intersections are running at the same cycle lengths. According to the Federal Highway Administration (FHWA), distances no greater than ¾ miles are the most responsive to coordination. The distances between intersections along East Boulevard do not exceed ¾ miles. A corridor can be operated in one of two way; a shorter cycle length which minimizes delay time or a longer cycle length which provides additional green time to the main street but increases intersection delay. The cycle length of 90 and 120 seconds were analyzed as two options for coordination of East Boulevard.

Data Collection

CJ Hensch & Associates collected thirteen-hour (13) vehicle turning movement counts (TMCs) at seven intersections on Tuesday, December 18, 2018 and one intersection on Tuesday, January 8th, 2019, from 6:00 A.M. to 7:00 P.M. **Table 2** below lists the AM and PM peak hour for each intersection.

Table 2: AM and PM Peak Hours

| Intersections | AM | PM |
|--|-------------|-------------|
| 1. East Boulevard at E Thirteenth Street | 7:00 – 8:00 | 4:30 – 5:30 |
| 2. *East Boulevard at E X Street | 7:00 – 8:00 | 4:30 – 5:30 |
| 3. East Boulevard at E San Augustine Street | 7:00 – 8:00 | 4:30 – 5:30 |
| 4. East Boulevard at E P Street | 7:00 – 8:00 | 4:15 – 5:15 |
| 5. East Boulevard at E Pasadena Boulevard | 7:00 – 8:00 | 4:30 – 5:30 |
| 6. East Boulevard at Aaron Street | 7:15 – 8:15 | 4:30 – 5:30 |
| 7. East Boulevard at HEB and Walmart driveways | 7:15 – 8:15 | 4:15 – 5:15 |
| 8. East Boulevard at Spencer Highway | 7:15 – 8:15 | 5:00 – 6:00 |

* Tuesday, January 8th, 2019 from 6:00 A.M. to 7:00 P.M.

See **Exhibit 3** for Existing AM and PM Peak Hour Volumes. The 13-hour turning movement counts can be found in **Appendix B**.

It was observed, during a field visit on Monday, January 7th, 2019, that all intersections, with the exceptions of East Boulevard at HEB/Walmart driveways and Spencer Highway, had detection (in the form of loops) only for the left turn bays along East Boulevard. The side streets all had full sets of detection loops, with the exception of E Thirteenth Street, HEB/Walmart driveways and Spencer Highway. HEB/Walmart driveways had camera detection present. It was also observed that only three of the eight intersections (E P St, Spencer Highway and Aaron St (except for eastbound)) had working pedestrian signals.

The posted speed along East Boulevard is 40 MPH at the north and south terminus of the study limit, elsewhere in between is 50 MPH. In addition, there is a school zone speed limit of 30 MPH within the study limit. The following observations were made during another morning visit (7:00 - 10:00 AM):

- 1) Drivers were driving below the 50 MPH posted speed limit
- 2) Stop and go condition between intersections
- 3) Drivers could not accelerate to the posted speed, having to stop at intersections

Analysis

All approaches for the eight intersections, starting with northbound left (NBL), northbound through (NBT) etc., were analyzed using SYNCHRO 9™. The two cycle lengths used in the analysis were 90 and 120-second. The outputs from Synchro can be found in **Appendix C**. For individual intersections, the two performance measurements used are queue length and delay/LOS, which are discussed in details below. In addition, the traffic flow along the corridor was evaluated using the “time-space” diagram, which is part of SYNCHRO. The “time-space” diagram is discussed in details below.

Queue Length

Queue lengths were analyzed to determine if future roadway improvements, especially, left turn lanes, are needed. The 50th percentile queue length was used in the study, because it represents the maximum queue of a typical cycle. The 95th percentile queue length in many cases will not be experienced due to upstream metering. As defined by the Highway Capacity Manual (HCM) – “The 95th-percentile queue is defined to be the queue length (in vehicles) that has only a 5-percent probability of being exceeded during the analysis time period. It is a useful parameter for determining the appropriate length of turn pockets, but it is not typical of what an average driver would experience.”

The outputs show 90-second cycle length provided a shorter queue length for AM, PM and off-peak hours. See **Table 3**, **Table 4** and **Table 5**, below for the 50th percentile queue length comparison, in the AM, PM peak hour and off-peak hours, respectively. The existing left turn lanes have sufficient storage length to accommodate the demand.

Table 3: AM Peak 90 vs. 120 Second Cycles Queue Length Comparison

| Queue Length at 50 th percentile (ft) | | | | | | | | | |
|--|--------|---------|--------|--------|------|--------|---------|--------|---------|
| Intersection* | NBL | NBT | SBL | SBT | SBR | EBL | EBT | WBL | WBT |
| 1 | 47/107 | 43/122 | 90/114 | 71/97 | N/A | 57/79 | 16/21 | 1/2 | 13/16 |
| 2 | 28/49 | 217/97 | 26/36 | 33/34 | N/A | N/A | 37/46 | N/A | 33/48 |
| 3 | 33/47 | 64/274 | 16/21 | 45/68 | N/A | N/A | 41/50 | N/A | 25/35 |
| 4 | 30/39 | 13/61 | 8/18 | 112/61 | N/A | N/A | 27/32 | N/A | 46/71 |
| 5 | 55/86 | 156/184 | 55/74 | 81/142 | N/A | N/A | 140/191 | N/A | 100/143 |
| 6 | N/A | 11/238 | 58/53 | 16/206 | N/A | N/A | N/A | 95/132 | N/A |
| 7 | 8/7 | 54/147 | 31/42 | 48/205 | 1/25 | 29/36 | 3/3 | 12/17 | 1/2 |
| 8 | 41/46 | 96/156 | 43/15 | 77/175 | N/A | 90/124 | 83/110 | 56/77 | 126/169 |

XX/YY : 90 second/120 seconds

* See **Table 2** for Intersection Description

Table 4: PM Peak 90 vs. 120 Second Cycles Queue Length Comparison

| Queue Length at 50 th percentile (ft) | | | | | | | | | |
|--|---------|---------|--------|---------|-----|---------|---------|---------|---------|
| Intersection* | NBL | NBT | SBL | SBT | SBR | EBL | EBT | WBL | WBT |
| 1 | 52/82 | 64/15 | 34/47 | 249/303 | N/A | 14/20 | 22/31 | 38/52 | 18/32 |
| 2 | 70/57 | 21/52 | 14/20 | 147/114 | N/A | N/A | 27/43 | N/A | 98/137 |
| 3 | 50/119 | 17/14 | 35/60 | 381/376 | N/A | N/A | 22/32 | N/A | 14/20 |
| 4 | 89/84 | 183/158 | 31/50 | 122/56 | N/A | N/A | 15/23 | N/A | 31/45 |
| 5 | 137/173 | 177/176 | 80/83 | 359/446 | N/A | N/A | 131/203 | N/A | 208/280 |
| 6 | N/A | 79/86 | 27/38 | 56/2 | N/A | N/A | N/A | 29/39 | N/A |
| 7 | 32/54 | 53/86 | 57/140 | 21/70 | 1/5 | 63/96 | 22/49 | 23/32 | 10/13 |
| 8 | 76/116 | 154/212 | 66/63 | 218/204 | N/A | 131/169 | 185/233 | 137/180 | 335/389 |

XX/YY : 90 second/120 seconds

* See **Table 2** for Intersection Description

Table 5: Off-Peak 90 vs. 120 Second Cycles Queue Length Comparison

| Queue Length at 50 th percentile (ft) | | | | | | | | | |
|--|-------|-------|-------|-------|-----|-------|--------|-------|---------|
| Intersection* | NBL | NBT | SBL | SBT | SBR | EBL | EBT | WBL | WBT |
| 1 | 28/40 | 40/13 | 18/26 | 42/26 | N/A | 15/22 | 10/15 | 8/11 | 5/8 |
| 2 | 22/27 | 7/12 | 4/9 | 17/84 | N/A | N/A | 20/27 | N/A | 18/26 |
| 3 | 26/63 | 23/16 | 4/6 | 34/26 | N/A | N/A | 14/20 | N/A | 8/15 |
| 4 | 25/32 | 12/2 | 2/7 | 49/32 | N/A | N/A | 6/11 | N/A | 14/20 |
| 5 | 52/59 | 71/32 | 17/34 | 31/26 | N/A | N/A | 40/62 | N/A | 53/76 |
| 6 | N/A | 4/29 | 6/8 | 45/35 | N/A | N/A | N/A | 15/24 | N/A |
| 7 | 6/9 | 69/3 | 47/57 | 20/33 | N/A | 28/45 | 10/16 | 13/17 | 6/8 |
| 8 | 49/61 | 67/87 | 26/27 | 57/59 | N/A | 54/89 | 64/113 | 32/44 | 106/152 |

XX/YY : 90 second/120 seconds

* See **Table 2** for Intersection Description

Delay/LOS

For signalized intersection, the Level of Service (LOS) is calculated by taking the intersection delay and converting it to a level (A – F). With A being the best, traffic is free flowing and no delays are occurring and F being the worst, forced flow, very congested and queues failing to clear. The LOS outputs for AM, PM and Off-peak hour are listed below in **Table 6**, **Table 7** and **Table 8**, respectively. During the AM and off-peak hours, a cycle length of 90-second results in a better LOS and lower delay for all eight intersections. During the PM peak hour, a cycle length of 120-second results in a better LOS and lower delay for most of the intersections.

Table 6: AM Peak 90 vs. 120 Second Cycles LOS and Intersection Delay Comparison

| Intersection* | LOS | Delay, sec/veh |
|---------------|-----|----------------|
| 1 | B/C | 19.8/28.1 |
| 2 | B/C | 17.1/20.9 |
| 3 | B/C | 13.8/23.3 |
| 4 | B/B | 12.8/16.3 |
| 5 | C/C | 26.3/32.0 |
| 6 | B/C | 10.7/20.5 |
| 7 | A/C | 8.6/23.7 |
| 8 | C/D | 28.0/35.5 |

XX/YY : 90 seconds/120 seconds

* See **Table 2** for Intersection Description

Table 7: PM Peak 90 vs. 120 Second Cycles LOS and Intersection Delay Comparison

| Intersection* | LOS | Delay, sec/veh |
|---------------|-----|----------------|
| 1 | C/C | 22.1/24.3 |
| 2 | C/C | 30.5/21.5 |
| 3 | C/B | 21.7/19.0 |
| 4 | C/B | 21.7/14.5 |
| 5 | D/D | 51.1/45.0 |
| 6 | A/A | 8.7/4.6 |
| 7 | B/B | 13.5/19.3 |
| 8 | E/D | 62.2/45.7 |

XX/YY : 90 seconds/120 seconds

* See **Table 2** for Intersection Description

Table 8: Off-Peak 90 vs. 120 Second Cycles LOS and Intersection Delay Comparison

| Intersection* | LOS | Delay, sec/veh |
|---------------|-----|----------------|
| 1 | B/C | 19.6/21.4 |
| 2 | B/C | 11.4/21.3 |
| 3 | B/B | 12.3/14.7 |
| 4 | A/B | 9.1/10.1 |
| 5 | B/C | 17.1/23.4 |
| 6 | A/A | 4.9/3.9 |
| 7 | B/B | 13.8/13.3 |
| 8 | C/D | 26.8/39.0 |

XX/YY : 90 seconds/120 seconds

* See **Table 2** for Intersection Description

Time-Space Diagram

Time-space diagram is a graphic presentation that describes the relationship between the location of vehicles in the traffic stream and the time as they progress along the roadway. The time-space diagrams for East Boulevard (AM and PM peak hours) are included in **Appendix D**. For

the off-peak hours, the AM peak hour timing plan will be utilized in the field. The diagram includes intersection locations, cycle length, splits, offset, and left-turn phasing. The cycle length, splits and offset will be the values to be implemented in the controllers in the field.

CONCLUSION AND RECOMMENDATIONS

Based on the analysis, it is recommended to synchronize the eight controller units along East Boulevard using the following cycle lengths.

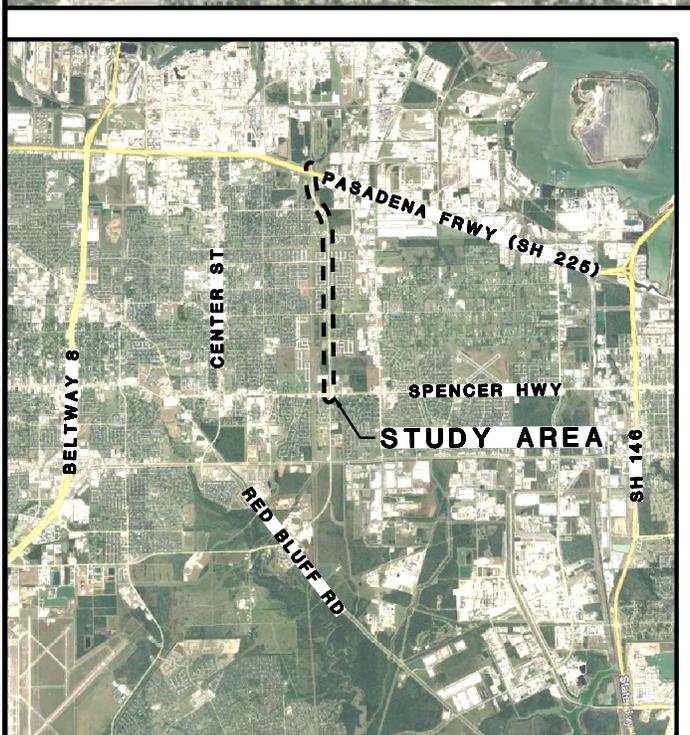
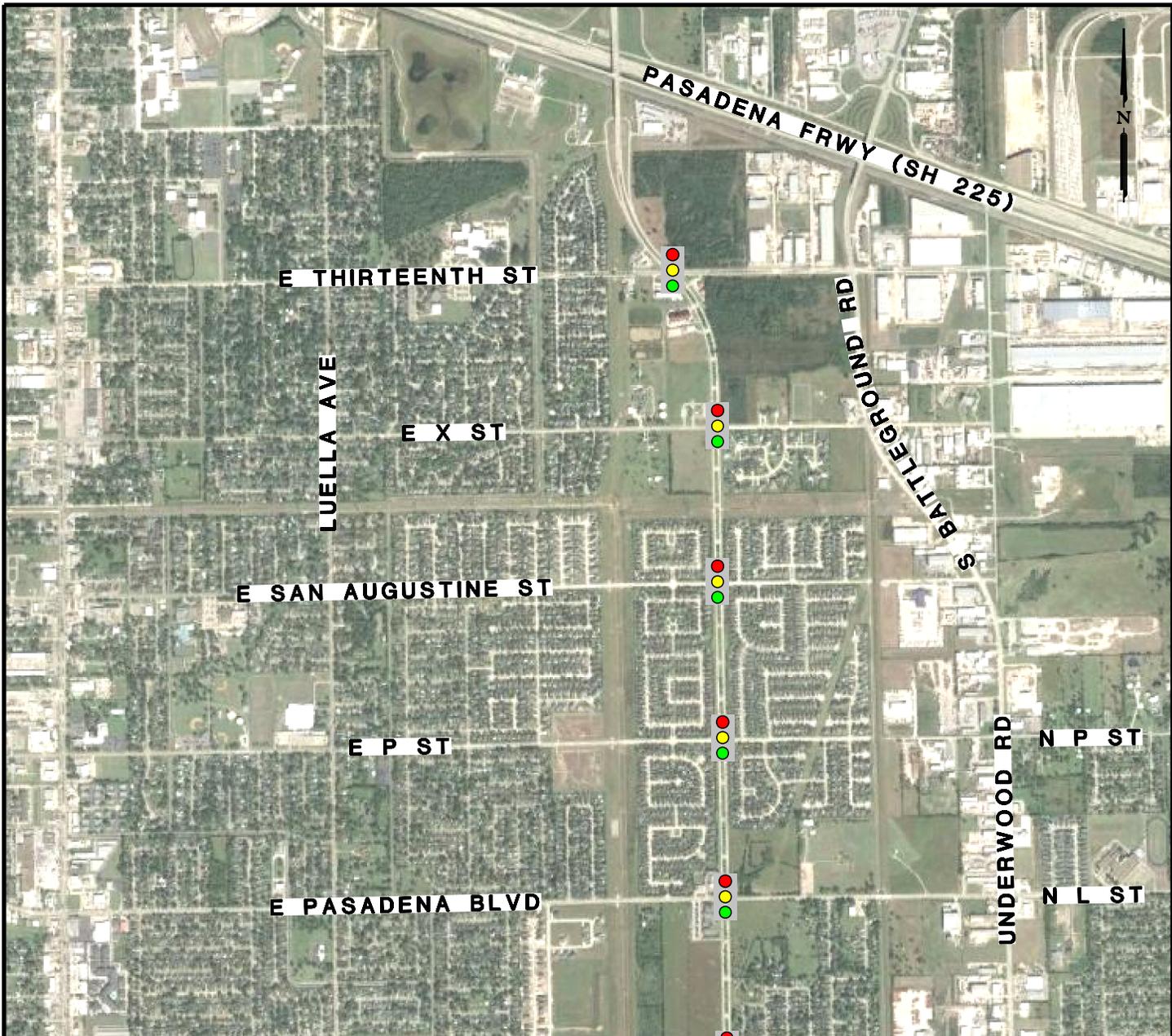
- AM Peak – 90-second
- Off-Peak – 90-second
- PM Peak – 120-second

For AM and off-peak hours, the 90-second cycle length provides better LOS, intersection delay and queue lengths. For the PM peak, a 120-second cycle length result in longer queue lengths, but the queue lengths did not exceed existing storage lengths. In addition, the intersection delays and LOS are better for most of the intersections.

Based on field observations, two additional recommendations, listed below, could be considered to further improve the operations of East Boulevard:

1. Perform a speed study to determine the appropriate speed limit for the corridor, to ensure progression through the corridor, a uniform posted speed would be beneficial.
2. Evaluate the existing condition of the pedestrian signals along East Boulevard, so necessary repair and/or replace can be made to have the pedestrian signals operate properly.

**Appendix A:
Exhibit 1 through Exhibit 4**



LEGEND

-  **SIGNALIZED INTERSECTION**



5225 Katy Freeway, Suite 400 Houston, Texas 77007
(713) 862-8848 TBPE No. F-8934

EAST BOULEVARD TRAFFIC SIGNAL IMPROVEMENTS

EXHIBIT 1:
SITE LOCATION MAP

| | |
|--------------------|------------------|
| DATE: 1/23/2019 | SCALE: N.T.S. |
|--------------------|------------------|



LUELLA AVE

SPENCER HWY

45 mph

WALMART

School Zone
Speed Limit
30 mph

E PASADENA BLVD

45 mph

E P ST

40 mph

E SAN AUGUSTINE ST

40 mph

E X ST

40 mph

E THIRTEENTH ST

30 mph

HEB

EAST BLVD

AARON ST

25 mph

50 mph

50 mph

50 mph

40 mph

EAST BLVD

45 mph

WILLOW SPRINGS BAYOU

S BATTLEGROUND RD

UNDERWOOD RD

UNDERWOOD RD

N L ST

N P ST

PASADENA FRWY (SH 225)

35 mph

40 mph

40 mph

50 mph

50 mph

50 mph

50 mph

50 mph

40 mph

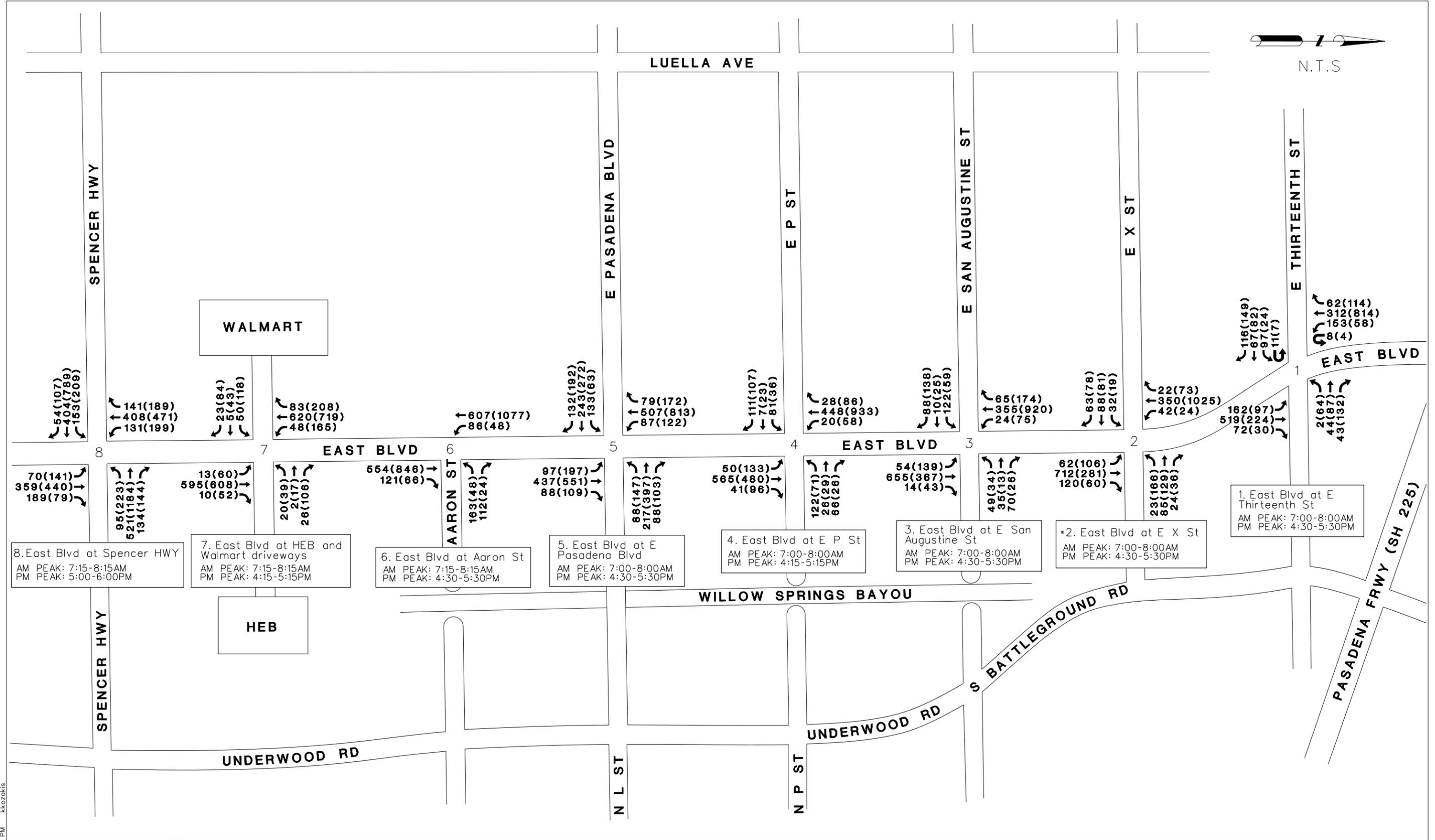
40 mph

S:\Projects\DEER-3730\DRAWING\APP\02_SPEED AND LANE CONFIG.dgn
1/23/2019 1:51:59 PM kkozmis



EXHIBIT 2:
EXISTING POSTED SPEED LIMITS AND LANE CONFIGURATIONS

| |
|----------|
| LEGEND : |
| N/A |

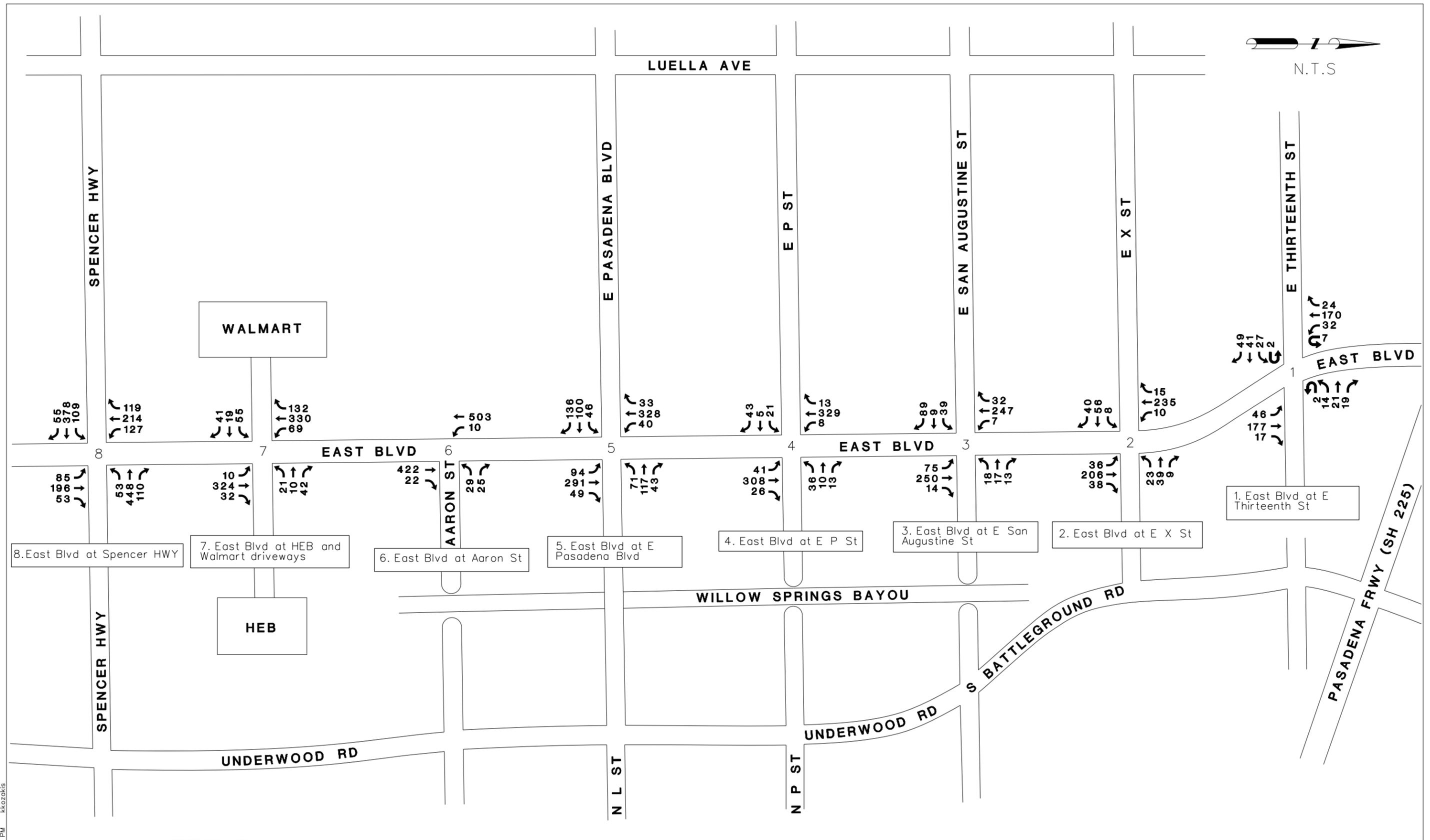


S:\Projects\DEER-3730\DCN\APP\03_Peak Hour VOL.dgn
1/23/2019 1:54:28 PM kkozaris



EXHIBIT 3 :
EXISTING AM AND PM PEAK HOUR VOLUMES

LEGEND :
 XXX (YYY): AM (PM) PEAK HOUR TRAFFIC VOLUMES
 TAKEN ON TUESDAY, DEC 18, 2018
 * : TAKEN ON TUESDAY, JAN 8, 2019



S:\Projects\DEER-3730\DCN\APP\04_OFF-PEAK_HOUR_VOL.dgn
1/23/2019 1:55:03 PM kko2015



EXHIBIT 4:
EXISTING OFF PEAK HOUR VOLUMES

LEGEND :
XXX : HOUR TRAFFIC VOLUMES
OFF PEAK HOURS: 10:00-11:00 AM

**Appendix B:
Turning Movement Counts**

East Blvd at E Thirteenth St - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM(+1))

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

All Movements

ID: 599581, Location: 29.70032, -95.100464



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E 13th St Westbound | | | | | | East Blvd Northbound | | | | | | E 13th St Eastbound | | | | | | Int |
|---------------|----------------------|-----|-----|----|-----|------|---------------------|----|----|---|-----|------|----------------------|-----|-----|---|-----|------|---------------------|----|----|----|-----|------|------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00AM | 0 | 7 | 0 | 0 | 7 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 12:15AM | 2 | 8 | 0 | 0 | 10 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 3 | 0 | 17 |
| 12:30AM | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 1 | 3 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 12:45AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 7 |
| Hourly Total | 2 | 20 | 0 | 0 | 22 | 0 | 2 | 1 | 2 | 0 | 5 | 0 | 2 | 8 | 4 | 0 | 14 | 0 | 2 | 1 | 2 | 0 | 5 | 0 | 46 |
| 1:00AM | 2 | 7 | 0 | 0 | 9 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 12 |
| 1:15AM | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 8 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 1:30AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1:45AM | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Hourly Total | 2 | 14 | 0 | 0 | 16 | 0 | 1 | 2 | 0 | 0 | 3 | 0 | 0 | 13 | 2 | 0 | 15 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 35 |
| 2:00AM | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 7 |
| 2:15AM | 1 | 3 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 2:30AM | 0 | 2 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 7 |
| 2:45AM | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Hourly Total | 1 | 10 | 2 | 0 | 13 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 2 | 9 | 1 | 0 | 12 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 29 |
| 3:00AM | 0 | 6 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 3:15AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 2 | 12 | 0 | 0 | 14 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 18 |
| 3:30AM | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 0 | 0 | 13 | 0 | 1 | 1 | 1 | 0 | 3 | 0 | 21 |
| 3:45AM | 1 | 8 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 0 | 0 | 17 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 28 |
| Hourly Total | 1 | 19 | 0 | 0 | 20 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 6 | 47 | 0 | 0 | 53 | 0 | 2 | 4 | 1 | 0 | 7 | 0 | 83 |
| 4:00AM | 0 | 12 | 0 | 0 | 12 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 18 | 1 | 0 | 22 | 0 | 3 | 2 | 0 | 0 | 5 | 0 | 40 |
| 4:15AM | 0 | 9 | 4 | 0 | 13 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 9 | 28 | 1 | 0 | 38 | 0 | 3 | 2 | 2 | 0 | 7 | 0 | 59 |
| 4:30AM | 2 | 13 | 2 | 0 | 17 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 4 | 46 | 2 | 0 | 52 | 0 | 1 | 7 | 1 | 0 | 9 | 0 | 80 |
| 4:45AM | 2 | 19 | 5 | 0 | 26 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 13 | 49 | 3 | 0 | 65 | 0 | 1 | 8 | 2 | 0 | 11 | 0 | 104 |
| Hourly Total | 4 | 53 | 11 | 0 | 68 | 0 | 1 | 4 | 1 | 0 | 6 | 0 | 29 | 141 | 7 | 0 | 177 | 0 | 8 | 19 | 5 | 0 | 32 | 0 | 283 |
| 5:00AM | 3 | 22 | 2 | 0 | 27 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 5 | 64 | 2 | 0 | 71 | 0 | 1 | 3 | 7 | 0 | 11 | 0 | 112 |
| 5:15AM | 1 | 20 | 3 | 0 | 24 | 0 | 3 | 1 | 1 | 0 | 5 | 0 | 12 | 97 | 0 | 0 | 109 | 0 | 1 | 8 | 7 | 0 | 16 | 0 | 154 |
| 5:30AM | 0 | 29 | 9 | 0 | 38 | 0 | 4 | 2 | 0 | 0 | 6 | 0 | 17 | 117 | 3 | 0 | 137 | 0 | 4 | 13 | 14 | 1 | 32 | 0 | 213 |
| 5:45AM | 1 | 49 | 13 | 0 | 63 | 0 | 11 | 3 | 1 | 0 | 15 | 0 | 17 | 151 | 6 | 0 | 174 | 0 | 2 | 10 | 7 | 0 | 19 | 0 | 271 |
| Hourly Total | 5 | 120 | 27 | 0 | 152 | 0 | 20 | 7 | 2 | 0 | 29 | 0 | 51 | 429 | 11 | 0 | 491 | 0 | 8 | 34 | 35 | 1 | 78 | 0 | 750 |
| 6:00AM | 2 | 39 | 18 | 1 | 60 | 0 | 10 | 3 | 1 | 0 | 14 | 0 | 13 | 186 | 6 | 0 | 205 | 0 | 6 | 12 | 15 | 0 | 33 | 0 | 312 |
| 6:15AM | 5 | 44 | 15 | 2 | 66 | 0 | 15 | 5 | 0 | 0 | 20 | 0 | 10 | 150 | 7 | 1 | 168 | 0 | 4 | 23 | 18 | 0 | 45 | 0 | 299 |
| 6:30AM | 3 | 49 | 12 | 4 | 68 | 0 | 12 | 6 | 1 | 0 | 19 | 0 | 16 | 132 | 12 | 0 | 160 | 0 | 9 | 23 | 22 | 2 | 56 | 0 | 303 |
| 6:45AM | 8 | 50 | 21 | 1 | 80 | 0 | 8 | 6 | 0 | 0 | 14 | 0 | 19 | 147 | 17 | 0 | 183 | 0 | 9 | 10 | 16 | 0 | 35 | 0 | 312 |
| Hourly Total | 18 | 182 | 66 | 8 | 274 | 0 | 45 | 20 | 2 | 0 | 67 | 0 | 58 | 615 | 42 | 1 | 716 | 0 | 28 | 68 | 71 | 2 | 169 | 0 | 1226 |
| 7:00AM | 14 | 71 | 36 | 1 | 122 | 0 | 23 | 13 | 1 | 0 | 37 | 0 | 15 | 144 | 46 | 0 | 205 | 0 | 24 | 11 | 30 | 1 | 66 | 0 | 430 |
| 7:15AM | 21 | 92 | 40 | 5 | 158 | 0 | 7 | 12 | 0 | 0 | 19 | 0 | 12 | 149 | 45 | 0 | 206 | 0 | 33 | 23 | 19 | 2 | 77 | 0 | 460 |
| 7:30AM | 16 | 75 | 41 | 1 | 133 | 0 | 4 | 13 | 0 | 0 | 17 | 0 | 21 | 127 | 53 | 0 | 201 | 0 | 34 | 16 | 27 | 5 | 82 | 0 | 433 |
| 7:45AM | 11 | 74 | 36 | 1 | 122 | 0 | 9 | 6 | 1 | 0 | 16 | 0 | 24 | 99 | 18 | 0 | 141 | 0 | 25 | 17 | 21 | 3 | 66 | 0 | 345 |
| Hourly Total | 62 | 312 | 153 | 8 | 535 | 0 | 43 | 44 | 2 | 0 | 89 | 0 | 72 | 519 | 162 | 0 | 753 | 0 | 116 | 67 | 97 | 11 | 291 | 0 | 1668 |
| 8:00AM | 18 | 87 | 37 | 4 | 146 | 0 | 14 | 10 | 0 | 0 | 24 | 0 | 15 | 103 | 16 | 1 | 135 | 0 | 24 | 10 | 10 | 2 | 46 | 0 | 351 |
| 8:15AM | 6 | 46 | 20 | 3 | 75 | 0 | 10 | 10 | 1 | 0 | 21 | 0 | 16 | 64 | 17 | 0 | 97 | 0 | 15 | 7 | 12 | 0 | 34 | 0 | 227 |
| 8:30AM | 3 | 58 | 17 | 3 | 81 | 0 | 6 | 6 | 2 | 0 | 14 | 0 | 14 | 62 | 9 | 0 | 85 | 0 | 8 | 9 | 6 | 1 | 24 | 0 | 204 |
| 8:45AM | 4 | 46 | 11 | 0 | 61 | 0 | 10 | 9 | 0 | 0 | 19 | 0 | 9 | 49 | 23 | 0 | 81 | 0 | 21 | 13 | 5 | 0 | 39 | 0 | 200 |
| Hourly Total | 31 | 237 | 85 | 10 | 363 | 0 | 40 | 35 | 3 | 0 | 78 | 0 | 54 | 278 | 65 | 1 | 398 | 0 | 68 | 39 | 33 | 3 | 143 | 0 | 982 |
| 9:00AM | 2 | 34 | 11 | 1 | 48 | 0 | 3 | 3 | 3 | 0 | 9 | 0 | 6 | 50 | 9 | 0 | 65 | 0 | 16 | 11 | 6 | 0 | 33 | 0 | 155 |
| 9:15AM | 3 | 40 | 4 | 1 | 48 | 0 | 7 | 6 | 3 | 1 | 17 | 0 | 9 | 51 | 6 | 0 | 66 | 0 | 7 | 5 | 5 | 0 | 17 | 0 | 148 |
| 9:30AM | 3 | 39 | 10 | 1 | 53 | 0 | 6 | 2 | 3 | 1 | 12 | 0 | 2 | 54 | 9 | 1 | 66 | 0 | 7 | 7 | 5 | 0 | 19 | 0 | 150 |
| 9:45AM | 3 | 47 | 7 | 0 | 57 | 0 | 8 | 8 | 3 | 0 | 19 | 0 | 4 | 36 | 14 | 0 | 54 | 0 | 9 | 11 | 2 | 0 | 22 | 0 | 152 |
| Hourly Total | 11 | 160 | 32 | 3 | 206 | 0 | 24 | 19 | 12 | 2 | 57 | 0 | 21 | 191 | 38 | 1 | 251 | 0 | 39 | 34 | 18 | 0 | 91 | 0 | 605 |
| 10:00AM | 8 | 41 | 8 | 1 | 58 | 0 | 7 | 8 | 3 | 1 | 19 | 0 | 6 | 40 | 6 | 0 | 52 | 0 | 8 | 10 | 5 | 2 | 25 | 0 | 154 |
| 10:15AM | 4 | 43 | 5 | 2 | 54 | 0 | 7 | 2 | 1 | 1 | 11 | 0 | 2 | 54 | 13 | 0 | 69 | 0 | 15 | 9 | 8 | 0 | 32 | 0 | 166 |
| 10:30AM | 7 | 47 | 9 | 1 | 64 | 0 | 2 | 5 | 3 | 0 | 10 | 0 | 5 | 40 | 14 | 1 | 60 | 0 | 16 | 13 | 6 | 0 | 35 | 0 | 169 |
| 10:45AM | 5 | 39 | 10 | 3 | 57 | 0 | 3 | 6 | 7 | 0 | 16 | 0 | 4 | 43 | 13 | 0 | 60 | 0 | 10 | 9 | 8 | 0 | 27 | 0 | 160 |
| Hourly Total | 24 | 170 | 32 | 7 | 233 | 0 | 19 | 21 | 14 | 2 | 56 | 0 | 17 | 177 | 46 | 1 | 241 | 0 | 49 | 41 | 27 | 2 | 119 | 0 | 649 |
| 11:00AM | 9 | 82 | 9 | 5 | 105 | 0 | 11 | 12 | 12 | 0 | 35 | 0 | 6 | 57 | 21 | 0 | 84 | 0 | 11 | 15 | 3 | 0 | 29 | 0 | 253 |
| 11:15AM | 10 | 85 | 5 | 0 | 100 | 0 | 5 | 15 | 14 | 0 | 34 | 0 | 11 | 57 | 15 | 0 | 83 | 0 | 14 | 11 | 5 | 0 | 30 | 0 | 247 |
| 11:30AM | 7 | 67 | 12 | 2 | 88 | 0 | 6 | 11 | 4 | 0 | 21 | 0 | 10 | 46 | 18 | 1 | 75 | 0 | 15 | 16 | 2 | 0 | 33 | 0 | 217 |
| 11:45AM | 3 | 87 | 7 | 1 | 98 | 0 | 10 | 10 | 10 | 0 | 30 | 0 | 16 | 66 | 14 | 1 | 97 | 0 | 17 | 16 | 5 | 0 | 38 | 0 | 263 |
| Hourly Total | 29 | 321 | 33 | 8 | 391 | 0 | 32 | 48 | 40 | 0 | 120 | 0 | 43 | 226 | 68 | 2 | 339 | 0 | 57 | 58 | 15 | 0 | 130 | 0 | 980 |
| 12:00PM | 14 | 75 | 14 | 3 | 106 | 0 | 9 | 17 | 4 | 0 | 30 | 0 | 15 | 61 | 14 | 1 | 91 | 0 | 30 | 18 | 7 | 0 | 55 | 0 | 282 |
| 12:15PM | 6 | 60 | 8 | 2 | 76 | 0 | 10 | 10 | 7 | 0 | 27 | 0 | 13 | 85 | 14 | 1 | 113 | 0 | 21 | 16 | 16 | 1 | 54 | 0 | 270 |
| 12:30PM | 6 | 57 | 13 | 2 | 78 | 0 | 7 | 13 | 10 | 0 | 30 | 0 | 10 | 65 | 15 | 2 | 92 | 0 | 12 | 19 | 8 | 1 | 40 | 0 | 240 |
| 12:45PM | 11 | 34 | 9 | 3 | 57 | 0 | 9 | 6 | 5 | 0 | 20 | 0 | 15 | 61 | 21 | 1 | | | | | | | | | |

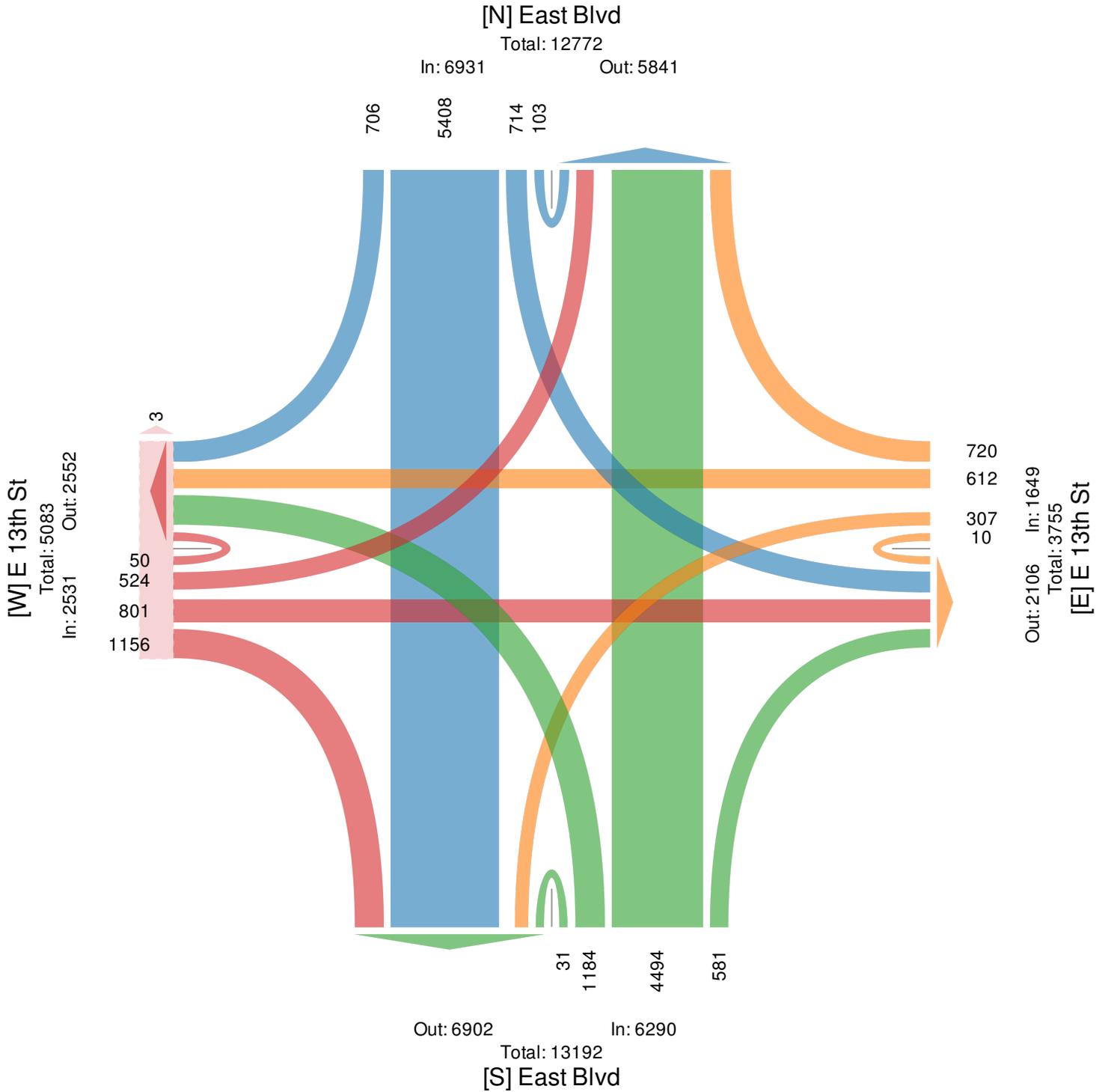
| Leg Direction | East Blvd Southbound | | | | | E 13th St Westbound | | | | | East Blvd Northbound | | | | | E 13th St Eastbound | | | | | Int | |
|---------------------------------------|----------------------|--------------|--------------|--------------|--------------|---------------------|--------------|--------------|-------------|--------------|----------------------|--------------|--------------|--------------|--------------|---------------------|--------------|--------------|-------------|--------------|----------|--------------|
| | R | T | L | U | App Ped* | R | T | L | U | App Ped* | R | T | L | U | App Ped* | R | T | L | U | App Ped* | | |
| 1:45PM | 13 | 48 | 12 | 1 | 74 | 7 | 11 | 3 | 0 | 21 | 7 | 56 | 21 | 0 | 84 | 16 | 11 | 5 | 0 | 32 | 211 | |
| Hourly Total | 33 | 228 | 34 | 3 | 298 | 22 | 40 | 16 | 0 | 78 | 26 | 206 | 70 | 3 | 305 | 67 | 56 | 22 | 0 | 145 | 826 | |
| 2:00PM | 6 | 53 | 9 | 1 | 69 | 7 | 9 | 2 | 0 | 18 | 12 | 47 | 14 | 0 | 73 | 25 | 10 | 7 | 1 | 43 | 203 | |
| 2:15PM | 3 | 50 | 4 | 2 | 59 | 7 | 10 | 4 | 0 | 21 | 8 | 48 | 11 | 0 | 67 | 17 | 11 | 5 | 1 | 34 | 181 | |
| 2:30PM | 13 | 74 | 8 | 2 | 97 | 16 | 9 | 7 | 0 | 32 | 4 | 50 | 21 | 2 | 77 | 12 | 7 | 5 | 1 | 25 | 231 | |
| 2:45PM | 8 | 70 | 9 | 0 | 87 | 5 | 5 | 4 | 0 | 14 | 6 | 57 | 34 | 0 | 97 | 18 | 12 | 8 | 2 | 40 | 238 | |
| Hourly Total | 30 | 247 | 30 | 5 | 312 | 35 | 33 | 17 | 0 | 85 | 30 | 202 | 80 | 2 | 314 | 72 | 40 | 25 | 5 | 142 | 853 | |
| 3:00PM | 15 | 110 | 10 | 1 | 136 | 12 | 8 | 5 | 2 | 27 | 1 | 45 | 22 | 1 | 69 | 37 | 18 | 4 | 0 | 59 | 291 | |
| 3:15PM | 13 | 102 | 8 | 4 | 127 | 14 | 8 | 6 | 0 | 28 | 9 | 51 | 17 | 0 | 77 | 19 | 10 | 5 | 3 | 37 | 269 | |
| 3:30PM | 13 | 107 | 7 | 2 | 129 | 54 | 12 | 7 | 0 | 73 | 5 | 72 | 10 | 0 | 87 | 25 | 7 | 12 | 0 | 44 | 333 | |
| 3:45PM | 14 | 128 | 10 | 0 | 152 | 30 | 7 | 11 | 0 | 48 | 8 | 72 | 13 | 0 | 93 | 21 | 8 | 5 | 0 | 34 | 327 | |
| Hourly Total | 55 | 447 | 35 | 7 | 544 | 110 | 35 | 29 | 2 | 176 | 23 | 240 | 62 | 1 | 326 | 102 | 43 | 26 | 3 | 174 | 1220 | |
| 4:00PM | 21 | 176 | 11 | 4 | 212 | 43 | 13 | 14 | 3 | 73 | 7 | 68 | 36 | 1 | 112 | 30 | 9 | 3 | 1 | 43 | 440 | |
| 4:15PM | 33 | 162 | 12 | 8 | 215 | 28 | 23 | 15 | 0 | 66 | 3 | 55 | 38 | 0 | 96 | 29 | 17 | 5 | 3 | 54 | 431 | |
| 4:30PM | 29 | 177 | 13 | 2 | 221 | 53 | 19 | 16 | 1 | 89 | 9 | 82 | 26 | 0 | 117 | 47 | 22 | 9 | 1 | 79 | 506 | |
| 4:45PM | 23 | 198 | 10 | 1 | 232 | 33 | 15 | 17 | 0 | 65 | 4 | 48 | 26 | 0 | 78 | 40 | 20 | 7 | 1 | 68 | 443 | |
| Hourly Total | 106 | 713 | 46 | 15 | 880 | 157 | 70 | 62 | 4 | 293 | 23 | 253 | 126 | 1 | 403 | 146 | 68 | 24 | 6 | 244 | 1820 | |
| 5:00PM | 36 | 217 | 18 | 0 | 271 | 29 | 24 | 20 | 0 | 73 | 11 | 48 | 24 | 2 | 85 | 31 | 21 | 3 | 3 | 58 | 487 | |
| 5:15PM | 26 | 222 | 17 | 1 | 266 | 17 | 29 | 11 | 0 | 57 | 6 | 46 | 21 | 0 | 73 | 31 | 19 | 5 | 2 | 57 | 453 | |
| 5:30PM | 22 | 199 | 16 | 1 | 238 | 21 | 16 | 9 | 0 | 46 | 4 | 26 | 31 | 1 | 62 | 31 | 22 | 9 | 3 | 65 | 411 | |
| 5:45PM | 20 | 183 | 8 | 1 | 212 | 8 | 14 | 9 | 0 | 31 | 5 | 39 | 18 | 1 | 63 | 34 | 14 | 1 | 2 | 51 | 357 | |
| Hourly Total | 104 | 821 | 59 | 3 | 987 | 75 | 83 | 49 | 0 | 207 | 26 | 159 | 94 | 4 | 283 | 127 | 76 | 18 | 10 | 231 | 1708 | |
| 6:00PM | 20 | 128 | 5 | 1 | 154 | 16 | 16 | 2 | 0 | 34 | 6 | 47 | 16 | 0 | 69 | 19 | 13 | 6 | 2 | 40 | 297 | |
| 6:15PM | 20 | 128 | 3 | 0 | 151 | 5 | 11 | 0 | 0 | 16 | 3 | 42 | 19 | 1 | 65 | 27 | 3 | 4 | 0 | 34 | 266 | |
| 6:30PM | 15 | 93 | 3 | 1 | 112 | 9 | 13 | 7 | 0 | 29 | 0 | 47 | 23 | 1 | 71 | 17 | 10 | 4 | 0 | 31 | 243 | |
| 6:45PM | 20 | 95 | 1 | 2 | 118 | 3 | 10 | 3 | 0 | 16 | 4 | 34 | 27 | 2 | 67 | 13 | 4 | 1 | 0 | 18 | 219 | |
| Hourly Total | 75 | 444 | 12 | 4 | 535 | 33 | 50 | 12 | 0 | 95 | 13 | 170 | 85 | 4 | 272 | 76 | 30 | 15 | 2 | 123 | 1025 | |
| 7:00PM | 7 | 81 | 2 | 0 | 90 | 4 | 5 | 2 | 0 | 11 | 1 | 23 | 14 | 0 | 38 | 6 | 7 | 5 | 0 | 18 | 157 | |
| 7:15PM | 9 | 80 | 1 | 1 | 91 | 3 | 7 | 1 | 0 | 11 | 4 | 28 | 18 | 0 | 50 | 5 | 6 | 4 | 1 | 16 | 168 | |
| 7:30PM | 7 | 61 | 1 | 1 | 70 | 2 | 4 | 2 | 0 | 8 | 2 | 28 | 5 | 0 | 35 | 8 | 3 | 3 | 0 | 14 | 127 | |
| 7:45PM | 7 | 41 | 0 | 0 | 48 | 1 | 3 | 0 | 0 | 4 | 2 | 28 | 15 | 0 | 45 | 6 | 2 | 1 | 0 | 9 | 106 | |
| Hourly Total | 30 | 263 | 4 | 2 | 299 | 10 | 19 | 5 | 0 | 34 | 9 | 107 | 52 | 0 | 168 | 25 | 18 | 13 | 1 | 57 | 358 | |
| 8:00PM | 4 | 39 | 1 | 3 | 47 | 1 | 1 | 2 | 0 | 4 | 2 | 27 | 15 | 1 | 45 | 8 | 4 | 4 | 1 | 17 | 113 | |
| 8:15PM | 8 | 41 | 1 | 2 | 52 | 1 | 2 | 0 | 0 | 3 | 2 | 17 | 7 | 0 | 26 | 4 | 5 | 2 | 0 | 11 | 92 | |
| 8:30PM | 5 | 39 | 1 | 0 | 45 | 1 | 3 | 1 | 0 | 5 | 0 | 22 | 7 | 0 | 29 | 9 | 5 | 6 | 0 | 20 | 99 | |
| 8:45PM | 2 | 35 | 0 | 0 | 37 | 1 | 5 | 1 | 0 | 7 | 1 | 16 | 8 | 1 | 26 | 16 | 5 | 1 | 0 | 22 | 92 | |
| Hourly Total | 19 | 154 | 3 | 5 | 181 | 4 | 11 | 4 | 0 | 19 | 5 | 82 | 37 | 2 | 126 | 37 | 19 | 13 | 1 | 70 | 396 | |
| 9:00PM | 3 | 33 | 3 | 0 | 39 | 0 | 1 | 1 | 0 | 2 | 5 | 21 | 7 | 0 | 33 | 5 | 5 | 4 | 0 | 14 | 88 | |
| 9:15PM | 1 | 27 | 0 | 0 | 28 | 0 | 2 | 1 | 0 | 3 | 1 | 25 | 9 | 2 | 37 | 13 | 2 | 1 | 0 | 16 | 84 | |
| 9:30PM | 2 | 37 | 1 | 1 | 41 | 0 | 2 | 0 | 0 | 2 | 3 | 14 | 6 | 0 | 23 | 5 | 2 | 0 | 0 | 7 | 73 | |
| 9:45PM | 2 | 22 | 1 | 1 | 26 | 2 | 7 | 0 | 0 | 9 | 3 | 10 | 7 | 1 | 21 | 4 | 2 | 4 | 0 | 10 | 66 | |
| Hourly Total | 8 | 119 | 5 | 2 | 134 | 2 | 12 | 2 | 0 | 16 | 12 | 70 | 29 | 3 | 114 | 27 | 11 | 9 | 0 | 47 | 311 | |
| 10:00PM | 4 | 18 | 1 | 2 | 25 | 0 | 1 | 0 | 0 | 1 | 1 | 11 | 8 | 0 | 20 | 6 | 3 | 1 | 0 | 10 | 56 | |
| 10:15PM | 6 | 27 | 0 | 0 | 33 | 0 | 1 | 0 | 0 | 1 | 1 | 17 | 6 | 0 | 24 | 8 | 0 | 0 | 0 | 8 | 66 | |
| 10:30PM | 3 | 15 | 0 | 0 | 18 | 3 | 2 | 0 | 0 | 5 | 0 | 10 | 8 | 0 | 18 | 3 | 2 | 2 | 0 | 7 | 48 | |
| 10:45PM | 2 | 21 | 0 | 1 | 24 | 0 | 1 | 1 | 0 | 2 | 1 | 12 | 4 | 0 | 17 | 1 | 2 | 0 | 0 | 3 | 46 | |
| Hourly Total | 15 | 81 | 1 | 3 | 100 | 3 | 5 | 1 | 0 | 9 | 3 | 50 | 26 | 0 | 79 | 18 | 7 | 3 | 0 | 28 | 216 | |
| 11:00PM | 0 | 19 | 0 | 0 | 19 | 2 | 0 | 0 | 0 | 2 | 1 | 12 | 3 | 0 | 16 | 3 | 3 | 3 | 0 | 9 | 46 | |
| 11:15PM | 1 | 13 | 0 | 0 | 14 | 0 | 2 | 1 | 0 | 3 | 1 | 8 | 4 | 0 | 13 | 1 | 1 | 0 | 0 | 2 | 32 | |
| 11:30PM | 0 | 5 | 0 | 0 | 5 | 3 | 3 | 4 | 0 | 10 | 1 | 6 | 2 | 0 | 9 | 1 | 0 | 3 | 0 | 4 | 28 | |
| 11:45PM | 3 | 10 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 8 | 0 | 1 | 1 | 0 | 2 | 23 | |
| Hourly Total | 4 | 47 | 0 | 0 | 51 | 5 | 5 | 5 | 0 | 15 | 3 | 30 | 13 | 0 | 46 | 5 | 5 | 7 | 0 | 17 | 129 | |
| Total | 706 | 5408 | 714 | 103 | 6931 | 720 | 612 | 307 | 10 | 1649 | 581 | 4494 | 1184 | 31 | 6290 | 1156 | 801 | 524 | 50 | 2531 | 3 | 17401 |
| % Approach | 10.2% | 78.0% | 10.3% | 1.5% | - | 43.7% | 37.1% | 18.6% | 0.6% | - | 9.2% | 71.4% | 18.8% | 0.5% | - | 45.7% | 31.6% | 20.7% | 2.0% | - | - | - |
| % Total | 4.1% | 31.1% | 4.1% | 0.6% | 39.8% | 4.1% | 3.5% | 1.8% | 0.1% | 9.5% | 3.3% | 25.8% | 6.8% | 0.2% | 36.1% | 6.6% | 4.6% | 3.0% | 0.3% | 14.5% | - | - |
| Lights | 689 | 5273 | 671 | 100 | 6733 | 663 | 593 | 300 | 10 | 1566 | 569 | 4392 | 1173 | 30 | 6164 | 1143 | 782 | 513 | 50 | 2488 | - | 16951 |
| % Lights | 97.6% | 97.5% | 94.0% | 97.1% | 97.1% | 92.1% | 96.9% | 97.7% | 100% | 95.0% | 97.9% | 97.7% | 99.1% | 96.8% | 98.0% | 98.9% | 97.6% | 97.9% | 100% | 98.3% | - | 97.4% |
| Articulate d Trucks | 0 | 37 | 26 | 1 | 64 | 34 | 0 | 0 | 0 | 34 | 4 | 32 | 1 | 0 | 37 | 1 | 6 | 0 | 0 | 7 | - | 142 |
| % Articulated Trucks | 0% | 0.7% | 3.6% | 1.0% | 0.9% | 4.7% | 0% | 0% | 0% | 2.1% | 0.7% | 0.7% | 0.1% | 0% | 0.6% | 0.1% | 0.7% | 0% | 0% | 0.3% | - | 0.8% |
| Buses and Single-Unit Trucks | 17 | 98 | 17 | 2 | 134 | 23 | 19 | 7 | 0 | 49 | 8 | 70 | 10 | 1 | 89 | 12 | 13 | 11 | 0 | 36 | - | 308 |
| % Buses and Single-Unit Trucks | 2.4% | 1.8% | 2.4% | 1.9% | 1.9% | 3.2% | 3.1% | 2.3% | 0% | 3.0% | 1.4% | 1.6% | 0.8% | 3.2% | 1.4% | 1.0% | 1.6% | 2.1% | 0% | 1.4% | - | 1.8% |
| Pedestrians | - | - | - | - | 0 | - | - | - | - | 0 | - | - | - | - | 0 | - | - | - | | | | |

East Blvd at E Thirteenth St - TMC

Tue Dec 18, 2018
 Full Length (12AM-12AM (+1))
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
 All Movements
 ID: 599581, Location: 29.70032, -95.100464



Provided by: C. J. Hensch & Associates Inc.
 5215 Sycamore Ave.,
 Pasadena, TX, 77503, US



East Blvd at E Thirteenth St - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7AM - 8AM)

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

All Movements

ID: 599581, Location: 29.70032, -95.100464



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E 13th St Westbound | | | | | | East Blvd Northbound | | | | | | E 13th St Eastbound | | | | | | Int |
|---------------------------------------|----------------------|-------|-------|-------|-------|------|---------------------|-------|-------|----|-------|------|----------------------|-------|-------|----|-------|------|---------------------|-------|-------|-------|-------|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 7:00AM | 14 | 71 | 36 | 1 | 122 | 0 | 23 | 13 | 1 | 0 | 37 | 0 | 15 | 144 | 46 | 0 | 205 | 0 | 24 | 11 | 30 | 1 | 66 | 0 | 430 |
| 7:15AM | 21 | 92 | 40 | 5 | 158 | 0 | 7 | 12 | 0 | 0 | 19 | 0 | 12 | 149 | 45 | 0 | 206 | 0 | 33 | 23 | 19 | 2 | 77 | 0 | 460 |
| 7:30AM | 16 | 75 | 41 | 1 | 133 | 0 | 4 | 13 | 0 | 0 | 17 | 0 | 21 | 127 | 53 | 0 | 201 | 0 | 34 | 16 | 27 | 5 | 82 | 0 | 433 |
| 7:45AM | 11 | 74 | 36 | 1 | 122 | 0 | 9 | 6 | 1 | 0 | 16 | 0 | 24 | 99 | 18 | 0 | 141 | 0 | 25 | 17 | 21 | 3 | 66 | 0 | 345 |
| Total | 62 | 312 | 153 | 8 | 535 | 0 | 43 | 44 | 2 | 0 | 89 | 0 | 72 | 519 | 162 | 0 | 753 | 0 | 116 | 67 | 97 | 11 | 291 | 0 | 1668 |
| % Approach | 11.6% | 58.3% | 28.6% | 1.5% | - | - | 48.3% | 49.4% | 2.2% | 0% | - | - | 9.6% | 68.9% | 21.5% | 0% | - | - | 39.9% | 23.0% | 33.3% | 3.8% | - | - | - |
| % Total | 3.7% | 18.7% | 9.2% | 0.5% | 32.1% | - | 2.6% | 2.6% | 0.1% | 0% | 5.3% | - | 4.3% | 31.1% | 9.7% | 0% | 45.1% | - | 7.0% | 4.0% | 5.8% | 0.7% | 17.4% | - | - |
| PHF | 0.738 | 0.848 | 0.933 | 0.400 | 0.847 | - | 0.467 | 0.846 | 0.500 | - | 0.601 | - | 0.750 | 0.871 | 0.764 | - | 0.914 | - | 0.853 | 0.728 | 0.808 | 0.550 | 0.887 | - | 0.907 |
| Lights | 60 | 298 | 152 | 8 | 518 | - | 42 | 42 | 2 | 0 | 86 | - | 72 | 511 | 161 | 0 | 744 | - | 116 | 64 | 97 | 11 | 288 | - | 1636 |
| % Lights | 96.8% | 95.5% | 99.3% | 100% | 96.8% | - | 97.7% | 95.5% | 100% | 0% | 96.6% | - | 100% | 98.5% | 99.4% | 0% | 98.8% | - | 100% | 95.5% | 100% | 100% | 99.0% | - | 98.1% |
| Articulated Trucks | 0 | 3 | 0 | 0 | 3 | - | 1 | 0 | 0 | 0 | 1 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 1 | 0 | 0 | 1 | - | 6 |
| % Articulate d Trucks | 0% | 1.0% | 0% | 0% | 0.6% | - | 2.3% | 0% | 0% | 0% | 1.1% | - | 0% | 0.2% | 0% | 0% | 0.1% | - | 0% | 1.5% | 0% | 0% | 0.3% | - | 0.4% |
| Buses and Single-Unit Trucks | 2 | 11 | 1 | 0 | 14 | - | 0 | 2 | 0 | 0 | 2 | - | 0 | 7 | 1 | 0 | 8 | - | 0 | 2 | 0 | 0 | 2 | - | 26 |
| % Buses and Single-Unit Trucks | 3.2% | 3.5% | 0.7% | 0% | 2.6% | - | 0% | 4.5% | 0% | 0% | 2.2% | - | 0% | 1.3% | 0.6% | 0% | 1.1% | - | 0% | 3.0% | 0% | 0% | 0.7% | - | 1.6% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

East Blvd at E Thirteenth St - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7AM - 8AM)

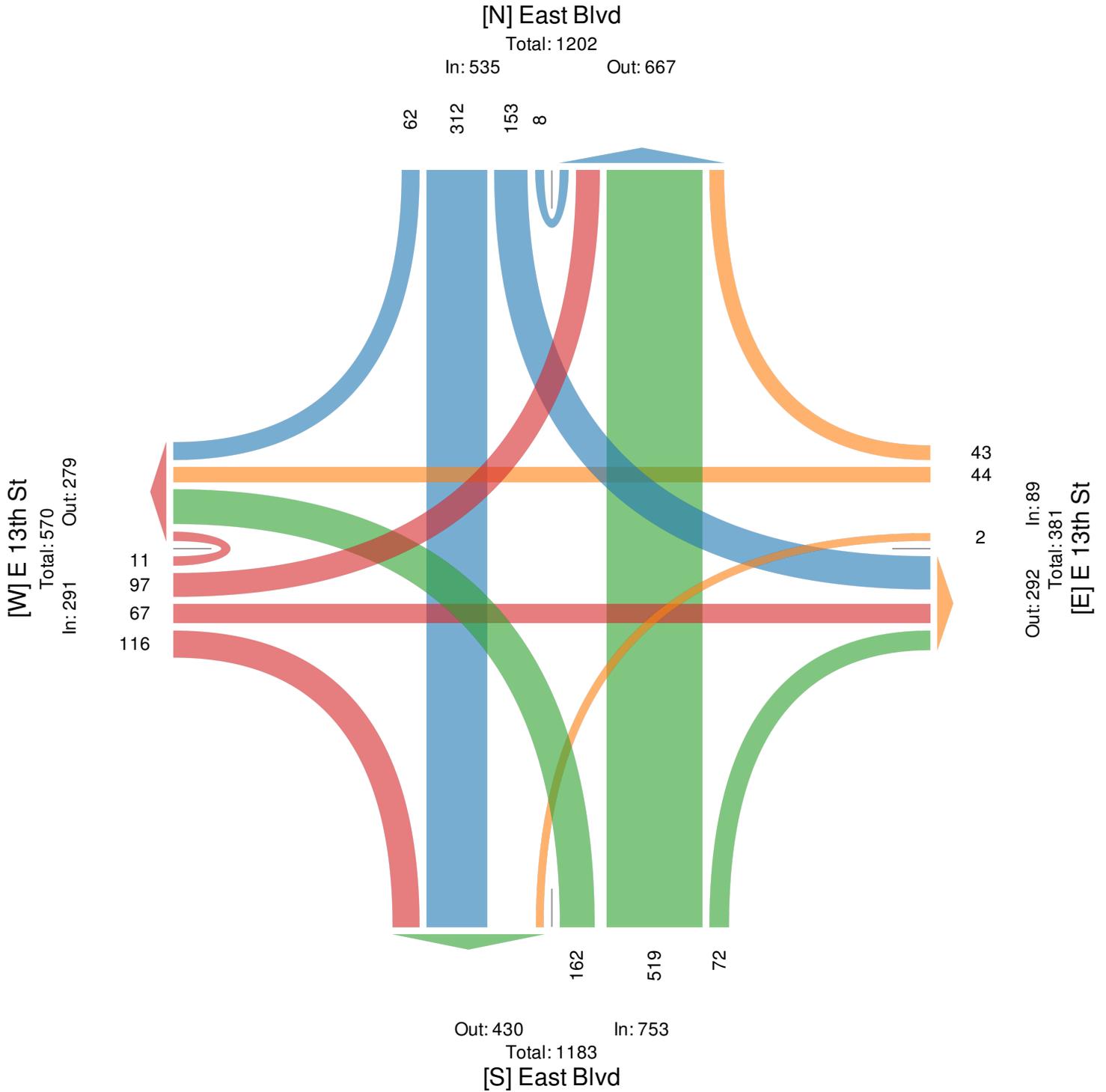
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599581, Location: 29.70032, -95.100464



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at E Thirteenth St - TMC

Tue Dec 18, 2018

Midday Peak (Dec 18 2018 11:45AM - 12:45PM)

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

All Movements

ID: 599581, Location: 29.70032, -95.100464



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E 13th St Westbound | | | | | | East Blvd Northbound | | | | | | E 13th St 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 |
| 2018-12-18 11:45AM | 3 | 87 | 7 | 1 | 98 | 0 | 10 | 10 | 10 | 0 | 30 | 0 | 16 | 66 | 14 | 1 | 97 | 0 | 17 | 16 | 5 | 0 | 38 | 0 | 263 |
| 12:00PM | 14 | 75 | 14 | 3 | 106 | 0 | 9 | 17 | 4 | 0 | 30 | 0 | 15 | 61 | 14 | 1 | 91 | 0 | 30 | 18 | 7 | 0 | 55 | 0 | 282 |
| 12:15PM | 6 | 60 | 8 | 2 | 76 | 0 | 10 | 10 | 7 | 0 | 27 | 0 | 13 | 85 | 14 | 1 | 113 | 0 | 21 | 16 | 16 | 1 | 54 | 0 | 270 |
| 12:30PM | 6 | 57 | 13 | 2 | 78 | 0 | 7 | 13 | 10 | 0 | 30 | 0 | 10 | 65 | 15 | 2 | 92 | 0 | 12 | 19 | 8 | 1 | 40 | 0 | 240 |
| Total | 29 | 279 | 42 | 8 | 358 | 0 | 36 | 50 | 31 | 0 | 117 | 0 | 54 | 277 | 57 | 5 | 393 | 0 | 80 | 69 | 36 | 2 | 187 | 0 | 1055 |
| % Approach | 8.1% | 77.9% | 11.7% | 2.2% | - | - | 30.8% | 42.7% | 26.5% | 0% | - | - | 13.7% | 70.5% | 14.5% | 1.3% | - | - | 42.8% | 36.9% | 19.3% | 1.1% | - | - | - |
| % Total | 2.7% | 26.4% | 4.0% | 0.8% | 33.9% | - | 3.4% | 4.7% | 2.9% | 0% | 11.1% | - | 5.1% | 26.3% | 5.4% | 0.5% | 37.3% | - | 7.6% | 6.5% | 3.4% | 0.2% | 17.7% | - | - |
| PHF | 0.518 | 0.802 | 0.750 | 0.667 | 0.844 | - | 0.900 | 0.735 | 0.775 | - | 0.975 | - | 0.844 | 0.815 | 0.950 | 0.625 | 0.869 | - | 0.667 | 0.908 | 0.563 | 0.500 | 0.850 | - | 0.935 |
| Lights | 28 | 269 | 35 | 8 | 340 | - | 32 | 48 | 31 | 0 | 111 | - | 53 | 268 | 57 | 5 | 383 | - | 79 | 67 | 36 | 2 | 184 | - | 1018 |
| % Lights | 96.6% | 96.4% | 83.3% | 100% | 95.0% | - | 88.9% | 96.0% | 100% | 0% | 94.9% | - | 98.1% | 96.8% | 100% | 100% | 97.5% | - | 98.8% | 97.1% | 100% | 100% | 98.4% | - | 96.5% |
| Articulated Trucks | 0 | 3 | 4 | 0 | 7 | - | 1 | 0 | 0 | 0 | 1 | - | 1 | 1 | 0 | 0 | 2 | - | 0 | 0 | 0 | 0 | 0 | - | 10 |
| % Articulated Trucks | 0% | 1.1% | 9.5% | 0% | 2.0% | - | 2.8% | 0% | 0% | 0% | 0.9% | - | 1.9% | 0.4% | 0% | 0% | 0.5% | - | 0% | 0% | 0% | 0% | 0% | - | 0.9% |
| Buses and Single-Unit Trucks | 1 | 7 | 3 | 0 | 11 | - | 3 | 2 | 0 | 0 | 5 | - | 0 | 8 | 0 | 0 | 8 | - | 1 | 2 | 0 | 0 | 3 | - | 27 |
| % Buses and Single-Unit Trucks | 3.4% | 2.5% | 7.1% | 0% | 3.1% | - | 8.3% | 4.0% | 0% | 0% | 4.3% | - | 0% | 2.9% | 0% | 0% | 2.0% | - | 1.3% | 2.9% | 0% | 0% | 1.6% | - | 2.6% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

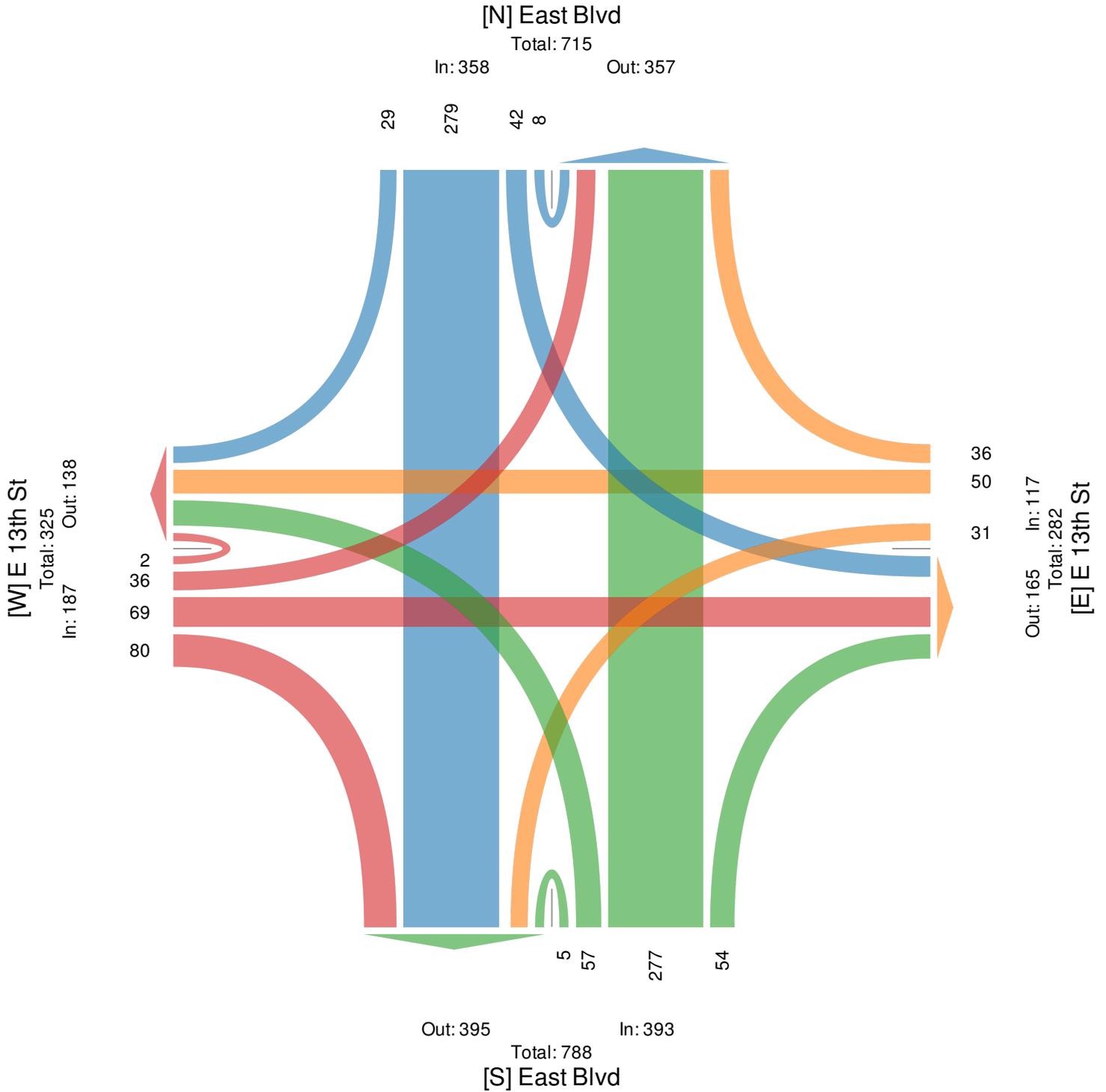
* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

East Blvd at E Thirteenth St - TMC

Tue Dec 18, 2018
 Midday Peak (Dec 18 2018 11:45AM - 12:45PM)
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
 All Movements
 ID: 599581, Location: 29.70032, -95.100464



Provided by: C. J. Hensch & Associates Inc.
 5215 Sycamore Ave.,
 Pasadena, TX, 77503, US



East Blvd at E Thirteenth St - TMC

Tue Dec 18, 2018

PM Peak (Dec 18 2018 4:30PM - 5:30PM) - Overall Peak Hour

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

All Movements

ID: 599581, Location: 29.70032, -95.100464



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | | E 13th St Westbound | | | | | | | East Blvd Northbound | | | | | | | E 13th St Eastbound | | | | | | | Int |
|---------------------------------------|----------------------|-------|-------|-------|-------|------|-------|---------------------|-------|-------|-------|-----|-------|-------|----------------------|-------|-------|---|-------|-------|-------|---------------------|-------|----|-------|-----|------|--|------|
| | R | T | L | U | App | Ped* | | R | T | L | U | App | Ped* | | R | T | L | U | App | Ped* | | R | T | L | U | App | Ped* | | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:30PM | 29 | 177 | 13 | 2 | 221 | 0 | | 53 | 19 | 16 | 1 | 89 | 0 | | 9 | 82 | 26 | 0 | 117 | 0 | | 47 | 22 | 9 | 1 | 79 | 0 | | 506 |
| 4:45PM | 23 | 198 | 10 | 1 | 232 | 0 | | 33 | 15 | 17 | 0 | 65 | 0 | | 4 | 48 | 26 | 0 | 78 | 0 | | 40 | 20 | 7 | 1 | 68 | 0 | | 443 |
| 5:00PM | 36 | 217 | 18 | 0 | 271 | 0 | | 29 | 24 | 20 | 0 | 73 | 0 | | 11 | 48 | 24 | 2 | 85 | 0 | | 31 | 21 | 3 | 3 | 58 | 0 | | 487 |
| 5:15PM | 26 | 222 | 17 | 1 | 266 | 0 | | 17 | 29 | 11 | 0 | 57 | 0 | | 6 | 46 | 21 | 0 | 73 | 0 | | 31 | 19 | 5 | 2 | 57 | 0 | | 453 |
| Total | 114 | 814 | 58 | 4 | 990 | 0 | | 132 | 87 | 64 | 1 | 284 | 0 | | 30 | 224 | 97 | 2 | 353 | 0 | | 149 | 82 | 24 | 7 | 262 | 0 | | 1889 |
| % Approach | 11.5% | 82.2% | 5.9% | 0.4% | - | - | 46.5% | 30.6% | 22.5% | 0.4% | - | - | 8.5% | 63.5% | 27.5% | 0.6% | - | - | 56.9% | 31.3% | 9.2% | 2.7% | - | - | - | - | | | |
| % Total | 6.0% | 43.1% | 3.1% | 0.2% | 52.4% | - | 7.0% | 4.6% | 3.4% | 0.1% | 15.0% | - | 1.6% | 11.9% | 5.1% | 0.1% | 18.7% | - | 7.9% | 4.3% | 1.3% | 0.4% | 13.9% | - | - | - | | | |
| PHF | 0.792 | 0.917 | 0.806 | 0.500 | 0.913 | - | 0.623 | 0.750 | 0.800 | 0.250 | 0.798 | - | 0.682 | 0.683 | 0.933 | 0.250 | 0.754 | - | 0.793 | 0.932 | 0.667 | 0.583 | 0.829 | - | 0.933 | | | | |
| Lights | 107 | 809 | 54 | 4 | 974 | - | 128 | 86 | 64 | 1 | 279 | - | 27 | 221 | 97 | 2 | 347 | - | 149 | 81 | 22 | 7 | 259 | - | 1859 | | | | |
| % Lights | 93.9% | 99.4% | 93.1% | 100% | 98.4% | - | 97.0% | 98.9% | 100% | 100% | 98.2% | - | 90.0% | 98.7% | 100% | 100% | 98.3% | - | 100% | 98.8% | 91.7% | 100% | 98.9% | - | 98.4% | | | | |
| Articulate Trucks | 0 | 0 | 4 | 0 | 4 | - | 0 | 0 | 0 | 0 | 0 | - | 1 | 2 | 0 | 0 | 3 | - | 0 | 1 | 0 | 0 | 1 | - | 8 | | | | |
| % Articulate Trucks | 0% | 0% | 6.9% | 0% | 0.4% | - | 0% | 0% | 0% | 0% | 0% | - | 3.3% | 0.9% | 0% | 0% | 0.8% | - | 0% | 1.2% | 0% | 0% | 0.4% | - | 0.4% | | | | |
| Buses and Single-Unit Trucks | 7 | 5 | 0 | 0 | 12 | - | 4 | 1 | 0 | 0 | 5 | - | 2 | 1 | 0 | 0 | 3 | - | 0 | 0 | 2 | 0 | 2 | - | 22 | | | | |
| % Buses and Single-Unit Trucks | 6.1% | 0.6% | 0% | 0% | 1.2% | - | 3.0% | 1.1% | 0% | 0% | 1.8% | - | 6.7% | 0.4% | 0% | 0% | 0.8% | - | 0% | 0% | 8.3% | 0% | 0.8% | - | 1.2% | | | | |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | - | 0 | | | | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |

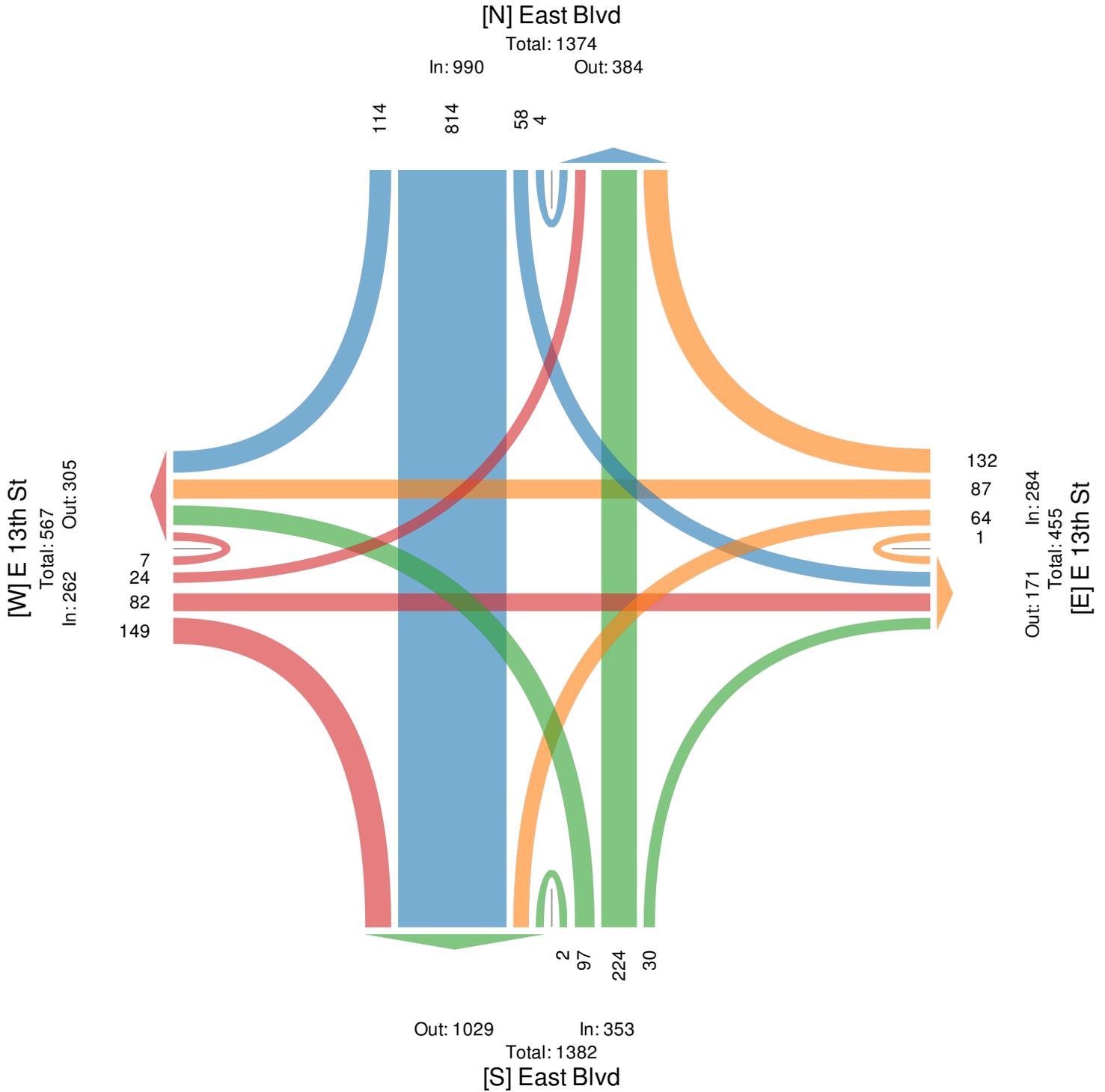
*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

East Blvd at E Thirteenth St - TMC

Tue Dec 18, 2018
 PM Peak (Dec 18 2018 4:30PM - 5:30PM) - Overall Peak Hour
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks,
 Pedestrians)
 All Movements
 ID: 599581, Location: 29.70032, -95.100464



Provided by: C. J. Hensch & Associates Inc.
 5215 Sycamore Ave.,
 Pasadena, TX, 77503, US



East Blvd at E. X St - TMC

Tue Jan 8, 2019

Full Length (12AM-12AM(+1))

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

All Movements

ID: 599582, Location: 29.695216, -95.098733



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E. X St Westbound | | | | | | East Blvd Northbound | | | | | | E. X St Eastbound | | | | | | Int |
|---------------|----------------------|-----|----|---|-----|------|-------------------|----|----|---|-----|------|----------------------|-----|----|---|-----|------|-------------------|----|----|---|-----|------|------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2019-01-08 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00AM | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 1 | 3 | 0 | 4 | 0 | 0 | 8 | 0 | 0 | 8 | 1 | 0 | 4 | 0 | 0 | 4 | 1 | 23 |
| 12:15AM | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 4 | 0 | 0 | 5 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 21 |
| 12:30AM | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 10 | 1 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 12:45AM | 1 | 6 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 5 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 14 |
| Hourly Total | 1 | 33 | 0 | 0 | 34 | 0 | 0 | 4 | 4 | 0 | 8 | 0 | 3 | 22 | 5 | 0 | 30 | 1 | 3 | 6 | 0 | 0 | 9 | 1 | 81 |
| 1:00AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 1 | 2 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 10 |
| 1:15AM | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 1:30AM | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 9 |
| 1:45AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Hourly Total | 0 | 16 | 0 | 0 | 16 | 0 | 0 | 2 | 3 | 0 | 5 | 0 | 2 | 5 | 0 | 0 | 7 | 0 | 1 | 2 | 0 | 0 | 3 | 0 | 31 |
| 2:00AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 2:15AM | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 10 |
| 2:30AM | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 7 |
| 2:45AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 9 |
| Hourly Total | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 2 | 2 | 0 | 4 | 0 | 1 | 13 | 2 | 0 | 16 | 0 | 2 | 1 | 1 | 0 | 4 | 0 | 35 |
| 3:00AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 11 |
| 3:15AM | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 | 12 | 0 | 0 | 16 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 21 |
| 3:30AM | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 15 | 1 | 0 | 19 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 25 |
| 3:45AM | 0 | 8 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 19 | 0 | 0 | 26 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 37 |
| Hourly Total | 0 | 18 | 0 | 0 | 18 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 14 | 53 | 1 | 0 | 68 | 0 | 3 | 4 | 0 | 0 | 7 | 0 | 94 |
| 4:00AM | 0 | 15 | 0 | 0 | 15 | 0 | 1 | 1 | 1 | 0 | 3 | 0 | 7 | 17 | 2 | 0 | 26 | 0 | 0 | 2 | 1 | 0 | 3 | 0 | 47 |
| 4:15AM | 1 | 12 | 1 | 0 | 14 | 0 | 1 | 0 | 4 | 0 | 5 | 0 | 4 | 24 | 0 | 0 | 28 | 0 | 2 | 6 | 2 | 0 | 10 | 0 | 57 |
| 4:30AM | 1 | 12 | 0 | 0 | 13 | 0 | 3 | 0 | 3 | 0 | 6 | 0 | 12 | 42 | 1 | 0 | 55 | 0 | 0 | 3 | 2 | 0 | 5 | 0 | 79 |
| 4:45AM | 0 | 12 | 2 | 0 | 14 | 3 | 2 | 2 | 2 | 0 | 6 | 1 | 7 | 55 | 0 | 0 | 62 | 0 | 1 | 10 | 2 | 0 | 13 | 0 | 95 |
| Hourly Total | 2 | 51 | 3 | 0 | 56 | 3 | 7 | 3 | 10 | 0 | 20 | 1 | 30 | 138 | 3 | 0 | 171 | 0 | 3 | 21 | 7 | 0 | 31 | 0 | 278 |
| 5:00AM | 0 | 17 | 3 | 0 | 20 | 0 | 2 | 3 | 4 | 0 | 9 | 0 | 16 | 69 | 0 | 0 | 85 | 0 | 1 | 9 | 4 | 0 | 14 | 0 | 128 |
| 5:15AM | 1 | 23 | 2 | 0 | 26 | 0 | 5 | 4 | 3 | 0 | 12 | 0 | 21 | 100 | 4 | 0 | 125 | 0 | 5 | 7 | 4 | 0 | 16 | 0 | 179 |
| 5:30AM | 4 | 35 | 5 | 0 | 44 | 0 | 3 | 5 | 2 | 0 | 10 | 0 | 27 | 116 | 4 | 0 | 147 | 0 | 3 | 9 | 4 | 0 | 16 | 0 | 217 |
| 5:45AM | 2 | 39 | 15 | 0 | 56 | 0 | 6 | 6 | 5 | 0 | 17 | 0 | 28 | 167 | 2 | 0 | 197 | 0 | 5 | 24 | 9 | 0 | 38 | 0 | 308 |
| Hourly Total | 7 | 114 | 25 | 0 | 146 | 0 | 16 | 18 | 14 | 0 | 48 | 0 | 92 | 452 | 10 | 0 | 554 | 0 | 14 | 49 | 21 | 0 | 84 | 0 | 832 |
| 6:00AM | 1 | 29 | 9 | 0 | 39 | 0 | 6 | 9 | 7 | 0 | 22 | 0 | 22 | 165 | 4 | 0 | 191 | 0 | 7 | 15 | 13 | 0 | 35 | 0 | 287 |
| 6:15AM | 3 | 40 | 9 | 0 | 52 | 0 | 3 | 9 | 5 | 0 | 17 | 0 | 27 | 162 | 5 | 0 | 194 | 0 | 13 | 10 | 9 | 0 | 32 | 0 | 295 |
| 6:30AM | 4 | 53 | 12 | 0 | 69 | 0 | 3 | 15 | 5 | 0 | 23 | 0 | 28 | 167 | 6 | 0 | 201 | 0 | 9 | 25 | 11 | 0 | 45 | 0 | 338 |
| 6:45AM | 4 | 48 | 12 | 0 | 64 | 0 | 7 | 12 | 7 | 0 | 26 | 0 | 38 | 184 | 14 | 0 | 236 | 0 | 7 | 9 | 6 | 0 | 22 | 0 | 348 |
| Hourly Total | 12 | 170 | 42 | 0 | 224 | 0 | 19 | 45 | 24 | 0 | 88 | 0 | 115 | 678 | 29 | 0 | 822 | 0 | 36 | 59 | 39 | 0 | 134 | 0 | 1268 |
| 7:00AM | 1 | 75 | 9 | 0 | 85 | 0 | 7 | 12 | 5 | 0 | 24 | 0 | 26 | 199 | 7 | 0 | 232 | 0 | 7 | 17 | 10 | 0 | 34 | 0 | 375 |
| 7:15AM | 8 | 78 | 5 | 0 | 91 | 0 | 7 | 21 | 3 | 0 | 31 | 0 | 31 | 209 | 16 | 0 | 256 | 0 | 15 | 19 | 5 | 0 | 39 | 0 | 417 |
| 7:30AM | 5 | 106 | 16 | 0 | 127 | 0 | 4 | 23 | 6 | 0 | 33 | 0 | 29 | 191 | 19 | 0 | 239 | 0 | 20 | 22 | 7 | 0 | 49 | 0 | 448 |
| 7:45AM | 8 | 91 | 12 | 0 | 111 | 0 | 6 | 29 | 9 | 0 | 44 | 0 | 34 | 113 | 20 | 0 | 167 | 0 | 21 | 30 | 10 | 0 | 61 | 0 | 383 |
| Hourly Total | 22 | 350 | 42 | 0 | 414 | 0 | 24 | 85 | 23 | 0 | 132 | 0 | 120 | 712 | 62 | 0 | 894 | 0 | 63 | 88 | 32 | 0 | 183 | 0 | 1623 |
| 8:00AM | 2 | 59 | 11 | 0 | 72 | 0 | 8 | 13 | 13 | 0 | 34 | 0 | 25 | 100 | 18 | 0 | 143 | 0 | 16 | 24 | 4 | 0 | 44 | 0 | 293 |
| 8:15AM | 5 | 63 | 5 | 0 | 73 | 0 | 4 | 21 | 4 | 0 | 29 | 0 | 16 | 94 | 8 | 0 | 118 | 0 | 10 | 22 | 8 | 0 | 40 | 0 | 260 |
| 8:30AM | 3 | 53 | 7 | 0 | 63 | 0 | 3 | 13 | 10 | 0 | 26 | 0 | 19 | 73 | 7 | 0 | 99 | 0 | 14 | 16 | 1 | 0 | 31 | 0 | 219 |
| 8:45AM | 0 | 56 | 3 | 0 | 59 | 0 | 2 | 9 | 5 | 0 | 16 | 0 | 10 | 87 | 8 | 0 | 105 | 0 | 9 | 6 | 3 | 0 | 18 | 0 | 198 |
| Hourly Total | 10 | 231 | 26 | 0 | 267 | 0 | 17 | 56 | 32 | 0 | 105 | 0 | 70 | 354 | 41 | 0 | 465 | 0 | 49 | 68 | 16 | 0 | 133 | 0 | 970 |
| 9:00AM | 3 | 62 | 6 | 0 | 71 | 1 | 3 | 12 | 5 | 0 | 20 | 1 | 9 | 57 | 10 | 0 | 76 | 0 | 10 | 12 | 1 | 0 | 23 | 0 | 190 |
| 9:15AM | 11 | 49 | 2 | 0 | 62 | 0 | 1 | 11 | 7 | 0 | 19 | 0 | 8 | 61 | 4 | 0 | 73 | 0 | 9 | 13 | 3 | 0 | 25 | 0 | 179 |
| 9:30AM | 4 | 40 | 8 | 0 | 52 | 0 | 1 | 5 | 4 | 0 | 10 | 0 | 12 | 45 | 5 | 0 | 62 | 0 | 9 | 18 | 2 | 0 | 29 | 0 | 153 |
| 9:45AM | 2 | 42 | 0 | 2 | 46 | 0 | 2 | 18 | 4 | 0 | 24 | 0 | 14 | 54 | 10 | 0 | 78 | 0 | 9 | 11 | 7 | 0 | 27 | 0 | 175 |
| Hourly Total | 20 | 193 | 16 | 2 | 231 | 1 | 7 | 46 | 20 | 0 | 73 | 1 | 43 | 217 | 29 | 0 | 289 | 0 | 37 | 54 | 13 | 0 | 104 | 0 | 697 |
| 10:00AM | 4 | 63 | 3 | 0 | 70 | 0 | 4 | 8 | 8 | 0 | 20 | 0 | 7 | 49 | 6 | 0 | 62 | 0 | 11 | 13 | 1 | 0 | 25 | 0 | 177 |
| 10:15AM | 6 | 51 | 1 | 0 | 58 | 1 | 1 | 13 | 4 | 0 | 18 | 0 | 7 | 51 | 7 | 0 | 65 | 0 | 11 | 13 | 4 | 0 | 28 | 0 | 169 |
| 10:30AM | 2 | 60 | 1 | 0 | 63 | 0 | 1 | 5 | 2 | 0 | 8 | 0 | 10 | 50 | 9 | 0 | 69 | 0 | 11 | 13 | 2 | 0 | 26 | 0 | 166 |
| 10:45AM | 3 | 61 | 5 | 0 | 69 | 0 | 3 | 13 | 9 | 0 | 25 | 0 | 14 | 56 | 14 | 0 | 84 | 0 | 7 | 17 | 1 | 0 | 25 | 0 | 203 |
| Hourly Total | 15 | 235 | 10 | 0 | 260 | 1 | 9 | 39 | 23 | 0 | 71 | 0 | 38 | 206 | 36 | 0 | 280 | 0 | 40 | 56 | 8 | 0 | 104 | 0 | 715 |
| 11:00AM | 6 | 107 | 5 | 0 | 118 | 0 | 7 | 23 | 20 | 0 | 50 | 0 | 8 | 65 | 9 | 0 | 82 | 0 | 15 | 23 | 3 | 0 | 41 | 0 | 291 |
| 11:15AM | 3 | 106 | 4 | 0 | 113 | 0 | 6 | 11 | 16 | 0 | 33 | 0 | 9 | 57 | 12 | 0 | 78 | 0 | 12 | 7 | 5 | 0 | 24 | 0 | 248 |
| 11:30AM | 5 | 81 | 7 | 0 | 93 | 0 | 2 | 22 | 25 | 0 | 49 | 0 | 13 | 85 | 17 | 0 | 115 | 0 | 12 | 9 | 1 | 0 | 22 | 0 | 279 |
| 11:45AM | 5 | 93 | 3 | 0 | 101 | 0 | 8 | 23 | 19 | 0 | 50 | 0 | 18 | 92 | 9 | 0 | 119 | 0 | 10 | 10 | 3 | 0 | 23 | 0 | 293 |
| Hourly Total | 19 | 387 | 19 | 0 | 425 | 0 | 23 | 79 | 80 | 0 | 182 | 0 | 48 | 299 | 47 | 0 | 394 | 0 | 49 | 49 | 12 | 0 | 110 | 0 | 1111 |
| 12:00PM | 2 | 103 | 4 | 0 | 109 | 0 | 4 | 15 | 14 | 0 | 33 | 0 | 17 | 82 | 16 | 0 | 115 | 0 | 16 | 17 | 3 | 0 | 36 | 0 | 293 |
| 12:15PM | 2 | 64 | 6 | 0 | 72 | 0 | 8 | 18 | 18 | 0 | 44 | 0 | 16 | 75 | 18 | 0 | 109 | 0 | 10 | 22 | 1 | 0 | 33 | 0 | 258 |
| 12:30PM | 6 | 66 | 2 | 0 | 74 | 0 | 5 | 20 | 14 | 0 | 39 | 0 | 17 | 100 | 14 | 0 | 131 | 0 | 13 | 17 | 7 | 0 | 37 | 0 | 281 |
| 12:45PM | 7 | 67 | 0 | 0 | 74 | 0 | 4 | 15 | 15 | 0 | 34 | 0 | 23 | 79 | 12 | 0 | | | | | | | | | |

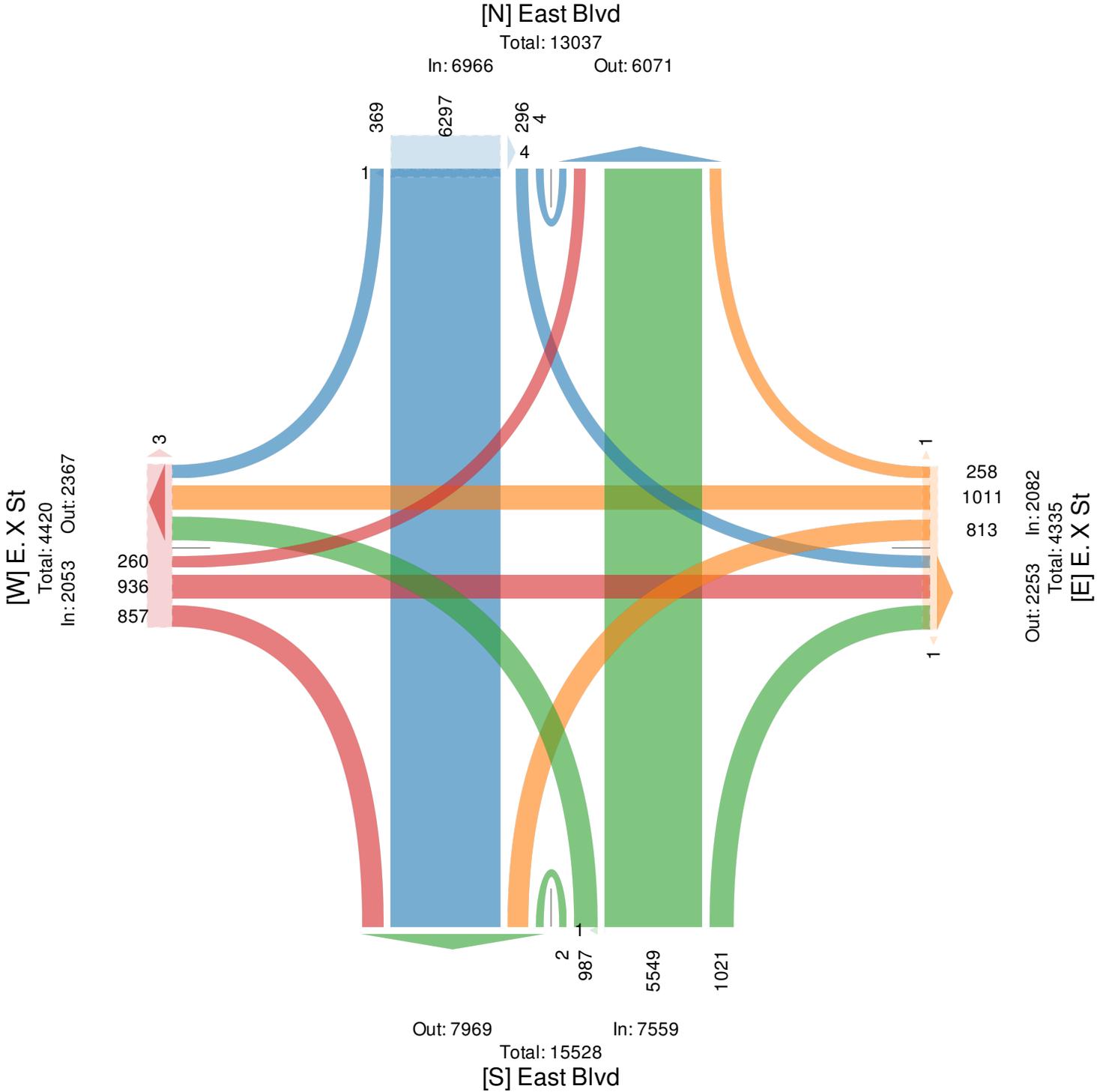
| Leg Direction | East Blvd Southbound | | | | | | E. X St Westbound | | | | | | East Blvd Northbound | | | | | | E. X St Eastbound | | | | | | Int |
|---------------------------------------|----------------------|--------------|--------------|-------------|--------------|----------|-------------------|--------------|--------------|-----------|--------------|----------|----------------------|--------------|--------------|-------------|--------------|----------|-------------------|--------------|--------------|-----------|--------------|----------|------------------|
| | 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* | R | T | L | |
| 1:30PM | 3 | 66 | 3 | 0 | 72 | 0 | 2 | 15 | 5 | 0 | 22 | 0 | 10 | 67 | 13 | 1 | 91 | 0 | 11 | 17 | 2 | 0 | 30 | 0 | 215 |
| 1:45PM | 3 | 53 | 1 | 0 | 57 | 0 | 2 | 10 | 13 | 0 | 25 | 0 | 11 | 86 | 13 | 0 | 110 | 0 | 10 | 10 | 4 | 0 | 24 | 0 | 216 |
| Hourly Total | 11 | 238 | 10 | 0 | 259 | 0 | 9 | 56 | 44 | 0 | 109 | 0 | 56 | 288 | 61 | 1 | 406 | 0 | 50 | 57 | 11 | 0 | 118 | 0 | 892 |
| 2:00PM | 3 | 89 | 1 | 0 | 93 | 0 | 1 | 12 | 11 | 0 | 24 | 0 | 11 | 56 | 14 | 0 | 81 | 0 | 9 | 18 | 4 | 0 | 31 | 0 | 229 |
| 2:15PM | 5 | 88 | 0 | 0 | 93 | 0 | 1 | 12 | 8 | 0 | 21 | 0 | 15 | 62 | 16 | 0 | 93 | 0 | 8 | 11 | 1 | 0 | 20 | 0 | 227 |
| 2:30PM | 3 | 71 | 4 | 0 | 78 | 0 | 6 | 15 | 13 | 0 | 34 | 0 | 6 | 71 | 12 | 0 | 89 | 0 | 9 | 16 | 1 | 0 | 26 | 0 | 227 |
| 2:45PM | 4 | 73 | 2 | 0 | 79 | 0 | 3 | 16 | 10 | 0 | 29 | 0 | 10 | 76 | 13 | 0 | 99 | 0 | 9 | 8 | 5 | 0 | 22 | 0 | 229 |
| Hourly Total | 15 | 321 | 7 | 0 | 343 | 0 | 11 | 55 | 42 | 0 | 108 | 0 | 42 | 265 | 55 | 0 | 362 | 0 | 35 | 53 | 11 | 0 | 99 | 0 | 912 |
| 3:00PM | 9 | 152 | 5 | 0 | 166 | 0 | 1 | 15 | 14 | 0 | 30 | 0 | 14 | 78 | 16 | 0 | 108 | 0 | 14 | 10 | 6 | 0 | 30 | 0 | 334 |
| 3:15PM | 14 | 121 | 3 | 0 | 138 | 0 | 4 | 18 | 10 | 0 | 32 | 0 | 13 | 60 | 20 | 0 | 93 | 0 | 21 | 14 | 2 | 0 | 37 | 0 | 300 |
| 3:30PM | 5 | 160 | 4 | 0 | 169 | 0 | 8 | 16 | 13 | 0 | 37 | 0 | 14 | 83 | 19 | 0 | 116 | 0 | 30 | 15 | 5 | 0 | 50 | 0 | 372 |
| 3:45PM | 12 | 169 | 6 | 0 | 187 | 0 | 4 | 20 | 13 | 0 | 37 | 0 | 9 | 75 | 26 | 0 | 110 | 0 | 24 | 16 | 2 | 0 | 42 | 0 | 376 |
| Hourly Total | 40 | 602 | 18 | 0 | 660 | 0 | 17 | 69 | 50 | 0 | 136 | 0 | 50 | 296 | 81 | 0 | 427 | 0 | 89 | 55 | 15 | 0 | 159 | 0 | 1382 |
| 4:00PM | 3 | 166 | 8 | 0 | 177 | 0 | 7 | 26 | 25 | 0 | 58 | 0 | 20 | 67 | 24 | 0 | 111 | 0 | 21 | 11 | 1 | 0 | 33 | 0 | 379 |
| 4:15PM | 12 | 185 | 7 | 0 | 204 | 0 | 8 | 26 | 23 | 0 | 57 | 0 | 19 | 84 | 18 | 0 | 121 | 0 | 17 | 23 | 2 | 0 | 42 | 0 | 424 |
| 4:30PM | 19 | 206 | 11 | 0 | 236 | 0 | 20 | 32 | 32 | 0 | 84 | 0 | 15 | 79 | 24 | 0 | 118 | 0 | 28 | 19 | 2 | 0 | 49 | 0 | 487 |
| 4:45PM | 15 | 257 | 3 | 0 | 275 | 0 | 7 | 33 | 47 | 0 | 87 | 0 | 16 | 69 | 21 | 0 | 106 | 0 | 18 | 19 | 5 | 0 | 42 | 0 | 510 |
| Hourly Total | 49 | 814 | 29 | 0 | 892 | 0 | 42 | 117 | 127 | 0 | 286 | 0 | 70 | 299 | 87 | 0 | 456 | 0 | 84 | 72 | 10 | 0 | 166 | 0 | 1800 |
| 5:00PM | 15 | 266 | 6 | 0 | 287 | 0 | 5 | 38 | 45 | 0 | 88 | 0 | 19 | 60 | 29 | 0 | 108 | 0 | 14 | 25 | 8 | 0 | 47 | 0 | 530 |
| 5:15PM | 24 | 296 | 4 | 0 | 324 | 0 | 4 | 26 | 42 | 0 | 72 | 0 | 10 | 73 | 32 | 0 | 115 | 0 | 18 | 18 | 4 | 0 | 40 | 0 | 551 |
| 5:30PM | 14 | 250 | 5 | 0 | 269 | 0 | 2 | 38 | 29 | 0 | 69 | 0 | 11 | 54 | 19 | 0 | 84 | 0 | 19 | 19 | 1 | 0 | 39 | 0 | 461 |
| 5:45PM | 10 | 224 | 5 | 0 | 239 | 0 | 2 | 18 | 20 | 0 | 40 | 0 | 11 | 59 | 28 | 0 | 98 | 0 | 18 | 11 | 7 | 0 | 36 | 0 | 413 |
| Hourly Total | 63 | 1036 | 20 | 0 | 1119 | 0 | 13 | 120 | 136 | 0 | 269 | 0 | 51 | 246 | 108 | 0 | 405 | 0 | 69 | 73 | 20 | 0 | 162 | 0 | 1955 |
| 6:00PM | 7 | 149 | 3 | 1 | 160 | 0 | 1 | 15 | 23 | 0 | 39 | 0 | 12 | 68 | 23 | 0 | 103 | 0 | 21 | 16 | 1 | 0 | 38 | 0 | 340 |
| 6:15PM | 6 | 145 | 2 | 0 | 153 | 0 | 5 | 15 | 14 | 0 | 34 | 0 | 10 | 78 | 24 | 0 | 112 | 0 | 20 | 13 | 1 | 0 | 34 | 0 | 333 |
| 6:30PM | 6 | 105 | 2 | 0 | 113 | 0 | 3 | 16 | 7 | 0 | 26 | 0 | 6 | 55 | 12 | 0 | 73 | 0 | 19 | 7 | 3 | 0 | 29 | 0 | 241 |
| 6:45PM | 6 | 74 | 1 | 0 | 81 | 0 | 2 | 13 | 9 | 0 | 24 | 0 | 7 | 44 | 18 | 0 | 69 | 0 | 14 | 3 | 0 | 0 | 17 | 0 | 191 |
| Hourly Total | 25 | 473 | 8 | 1 | 507 | 0 | 11 | 59 | 53 | 0 | 123 | 0 | 35 | 245 | 77 | 0 | 357 | 0 | 74 | 39 | 5 | 0 | 118 | 0 | 1105 |
| 7:00PM | 5 | 97 | 5 | 0 | 107 | 0 | 4 | 12 | 8 | 0 | 24 | 0 | 7 | 42 | 27 | 0 | 76 | 0 | 13 | 2 | 3 | 0 | 18 | 0 | 225 |
| 7:15PM | 5 | 65 | 0 | 1 | 71 | 0 | 1 | 7 | 2 | 0 | 10 | 0 | 10 | 45 | 22 | 0 | 77 | 0 | 9 | 5 | 2 | 0 | 16 | 0 | 174 |
| 7:30PM | 4 | 74 | 0 | 0 | 78 | 0 | 1 | 15 | 3 | 0 | 19 | 0 | 2 | 25 | 13 | 1 | 41 | 0 | 19 | 3 | 1 | 0 | 23 | 0 | 161 |
| 7:45PM | 6 | 47 | 2 | 0 | 55 | 0 | 0 | 6 | 6 | 0 | 12 | 0 | 6 | 32 | 15 | 0 | 53 | 0 | 5 | 6 | 3 | 0 | 14 | 0 | 134 |
| Hourly Total | 20 | 283 | 7 | 1 | 311 | 0 | 6 | 40 | 19 | 0 | 65 | 0 | 25 | 144 | 77 | 1 | 247 | 0 | 46 | 16 | 9 | 0 | 71 | 0 | 694 |
| 8:00PM | 2 | 46 | 0 | 0 | 48 | 0 | 1 | 7 | 3 | 0 | 11 | 0 | 6 | 33 | 24 | 0 | 63 | 0 | 9 | 1 | 0 | 0 | 10 | 0 | 132 |
| 8:15PM | 2 | 46 | 0 | 0 | 48 | 0 | 0 | 3 | 4 | 0 | 7 | 0 | 8 | 25 | 18 | 0 | 51 | 0 | 6 | 7 | 0 | 0 | 13 | 0 | 119 |
| 8:30PM | 1 | 54 | 1 | 0 | 56 | 0 | 1 | 8 | 5 | 0 | 14 | 0 | 6 | 31 | 9 | 0 | 46 | 0 | 6 | 7 | 1 | 0 | 14 | 0 | 130 |
| 8:45PM | 1 | 31 | 0 | 0 | 32 | 0 | 1 | 5 | 5 | 0 | 11 | 0 | 3 | 22 | 10 | 0 | 35 | 0 | 5 | 5 | 0 | 0 | 10 | 0 | 88 |
| Hourly Total | 6 | 177 | 1 | 0 | 184 | 0 | 3 | 23 | 17 | 0 | 43 | 0 | 23 | 111 | 61 | 0 | 195 | 0 | 26 | 20 | 1 | 0 | 47 | 0 | 469 |
| 9:00PM | 2 | 33 | 1 | 0 | 36 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 3 | 24 | 6 | 0 | 33 | 0 | 6 | 3 | 2 | 0 | 11 | 0 | 85 |
| 9:15PM | 3 | 31 | 0 | 0 | 34 | 0 | 1 | 6 | 0 | 0 | 7 | 0 | 5 | 25 | 15 | 0 | 45 | 0 | 6 | 1 | 5 | 0 | 12 | 2 | 98 |
| 9:30PM | 4 | 34 | 0 | 0 | 38 | 0 | 0 | 2 | 4 | 0 | 6 | 0 | 1 | 24 | 5 | 0 | 30 | 0 | 4 | 1 | 2 | 0 | 7 | 0 | 81 |
| 9:45PM | 3 | 25 | 0 | 0 | 28 | 0 | 1 | 3 | 2 | 0 | 6 | 0 | 1 | 17 | 5 | 0 | 23 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 59 |
| Hourly Total | 12 | 123 | 1 | 0 | 136 | 0 | 2 | 11 | 11 | 0 | 24 | 0 | 10 | 90 | 31 | 0 | 131 | 0 | 17 | 6 | 9 | 0 | 32 | 2 | 323 |
| 10:00PM | 1 | 25 | 0 | 0 | 26 | 0 | 0 | 3 | 5 | 0 | 8 | 0 | 0 | 12 | 5 | 0 | 17 | 0 | 3 | 2 | 0 | 0 | 5 | 0 | 56 |
| 10:15PM | 0 | 15 | 0 | 0 | 15 | 0 | 0 | 1 | 5 | 0 | 6 | 0 | 3 | 13 | 6 | 0 | 22 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 45 |
| 10:30PM | 1 | 17 | 0 | 0 | 18 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 10 | 3 | 0 | 14 | 0 | 2 | 0 | 1 | 0 | 3 | 0 | 36 |
| 10:45PM | 0 | 13 | 0 | 0 | 13 | 0 | 1 | 1 | 1 | 0 | 3 | 0 | 1 | 7 | 2 | 0 | 10 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 27 |
| Hourly Total | 2 | 70 | 0 | 0 | 72 | 0 | 1 | 6 | 11 | 0 | 18 | 0 | 5 | 42 | 16 | 0 | 63 | 0 | 5 | 3 | 3 | 0 | 11 | 0 | 164 |
| 11:00PM | 0 | 13 | 0 | 0 | 13 | 0 | 0 | 2 | 3 | 0 | 5 | 0 | 2 | 15 | 2 | 0 | 19 | 0 | 3 | 1 | 0 | 0 | 4 | 0 | 41 |
| 11:15PM | 0 | 12 | 0 | 0 | 12 | 0 | 0 | 3 | 3 | 0 | 6 | 0 | 2 | 8 | 1 | 0 | 11 | 0 | 4 | 1 | 1 | 0 | 6 | 0 | 35 |
| 11:30PM | 1 | 12 | 0 | 0 | 13 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 6 | 3 | 0 | 9 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 25 |
| 11:45PM | 0 | 14 | 0 | 0 | 14 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 9 | 2 | 0 | 12 | 0 | 1 | 3 | 0 | 0 | 4 | 0 | 32 |
| Hourly Total | 1 | 51 | 0 | 0 | 52 | 0 | 0 | 7 | 7 | 0 | 14 | 0 | 5 | 38 | 8 | 0 | 51 | 0 | 8 | 7 | 1 | 0 | 16 | 0 | 133 |
| Total | 369 | 6297 | 296 | 4 | 6966 | 5 | 258 | 1011 | 813 | 0 | 2082 | 2 | 1021 | 5549 | 987 | 2 | 7559 | 1 | 857 | 936 | 260 | 0 | 2053 | 3 | 18660 |
| % Approach | 5.3% | 90.4% | 4.2% | 0.1% | - | - | 12.4% | 48.6% | 39.0% | 0% | - | - | 13.5% | 73.4% | 13.1% | 0% | - | - | 41.7% | 45.6% | 12.7% | 0% | - | - | - |
| % Total | 2.0% | 33.7% | 1.6% | 0% | 37.3% | - | 1.4% | 5.4% | 4.4% | 0% | 11.2% | - | 5.5% | 29.7% | 5.3% | 0% | 40.5% | - | 4.6% | 5.0% | 1.4% | 0% | 11.0% | - | - |
| Lights | 363 | 6193 | 294 | 4 | 6854 | - | 254 | 999 | 795 | 0 | 2048 | - | 992 | 5473 | 983 | 2 | 7450 | - | 852 | 926 | 256 | 0 | 2034 | - | 18386 |
| % Lights | 98.4% | 98.3% | 99.3% | 100% | 98.4% | - | 98.4% | 98.8% | 97.8% | 0% | 98.4% | - | 97.2% | 98.6% | 99.6% | 100% | 98.6% | - | 99.4% | 98.9% | 98.5% | 0% | 99.1% | - | 98.5% |
| Articulate d Trucks | 2 | 44 | 0 | 0 | 46 | - | 0 | 0 | 1 | 0 | 1 | - | 0 | 26 | 1 | 0 | 27 | - | 0 | 2 | 2 | 0 | 4 | - | 78 |
| % Articulate d Trucks | 0.5% | 0.7% | 0% | 0% | 0.7% | - | 0% | 0% | 0.1% | 0% | 0% | - | 0% | 0.5% | 0.1% | 0% | 0.4% | - | 0% | 0.2% | 0.8% | 0% | 0.2% | - | 0.4% |
| Buses and Single-Unit Trucks | 4 | 60 | 2 | 0 | 66 | - | 4 | 12 | 17 | 0 | 33 | - | 29 | 50 | 3 | 0 | 82 | - | 5 | 8 | 2 | 0 | 15 | - | 196 |
| % Buses and Single-Unit Trucks | 1.1% | 1.0% | 0.7% | 0% | 0.9% | - | 1.6% | 1.2% | 2.1% | 0% | 1.6% | - | 2.8% | 0.9% | 0.3% | 0% | 1.1% | - | 0.6% | 0.9% | 0.8% | 0% | 0.7% | - | 1.1%</ |

East Blvd at E. X St - TMC

Tue Jan 8, 2019
 Full Length (12AM-12AM (+1))
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks,
 Pedestrians)
 All Movements
 ID: 599582, Location: 29.695216, -95.098733



Provided by: C. J. Hensch & Associates Inc.
 5215 Sycamore Ave.,
 Pasadena, TX, 77503, US



East Blvd at E. X St - TMC

Tue Jan 8, 2019

AM Peak (Jan 08 2019 7AM - 8AM)

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

All Movements

ID: 599582, Location: 29.695216, -95.098733



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | E. X St Westbound | | | | | East Blvd Northbound | | | | | E. X St Eastbound | | | | | Int | | | | |
|---------------------------------------|----------------------|-------|-------|----|----------|-------------------|-------|-------|----|----------|----------------------|-------|-------|----|----------|-------------------|-------|-------|----|----------|-----|--|--|--|-------|
| | R | T | L | U | App Ped* | R | T | L | U | App Ped* | R | T | L | U | App Ped* | R | T | L | U | App Ped* | | | | | |
| 2019-01-08 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7:00AM | 1 | 75 | 9 | 0 | 85 | 7 | 12 | 5 | 0 | 24 | 26 | 199 | 7 | 0 | 232 | 7 | 17 | 10 | 0 | 34 | | | | | 375 |
| 7:15AM | 8 | 78 | 5 | 0 | 91 | 7 | 21 | 3 | 0 | 31 | 31 | 209 | 16 | 0 | 256 | 15 | 19 | 5 | 0 | 39 | | | | | 417 |
| 7:30AM | 5 | 106 | 16 | 0 | 127 | 4 | 23 | 6 | 0 | 33 | 29 | 191 | 19 | 0 | 239 | 20 | 22 | 7 | 0 | 49 | | | | | 448 |
| 7:45AM | 8 | 91 | 12 | 0 | 111 | 6 | 29 | 9 | 0 | 44 | 34 | 113 | 20 | 0 | 167 | 21 | 30 | 10 | 0 | 61 | | | | | 383 |
| Total | 22 | 350 | 42 | 0 | 414 | 24 | 85 | 23 | 0 | 132 | 120 | 712 | 62 | 0 | 894 | 63 | 88 | 32 | 0 | 183 | | | | | 1623 |
| % Approach | 5.3% | 84.5% | 10.1% | 0% | - | 18.2% | 64.4% | 17.4% | 0% | - | 13.4% | 79.6% | 6.9% | 0% | - | 34.4% | 48.1% | 17.5% | 0% | - | | | | | - |
| % Total | 1.4% | 21.6% | 2.6% | 0% | 25.5% | 1.5% | 5.2% | 1.4% | 0% | 8.1% | 7.4% | 43.9% | 3.8% | 0% | 55.1% | 3.9% | 5.4% | 2.0% | 0% | 11.3% | | | | | - |
| PHF | 0.688 | 0.825 | 0.656 | - | 0.815 | 0.857 | 0.733 | 0.639 | - | 0.750 | 0.882 | 0.852 | 0.775 | - | 0.873 | 0.750 | 0.733 | 0.800 | - | 0.750 | | | | | 0.906 |
| Lights | 22 | 341 | 41 | 0 | 404 | 23 | 84 | 21 | 0 | 128 | 119 | 701 | 62 | 0 | 882 | 63 | 88 | 32 | 0 | 183 | | | | | 1597 |
| % Lights | 100% | 97.4% | 97.6% | 0% | 97.6% | 95.8% | 98.8% | 91.3% | 0% | 97.0% | 99.2% | 98.5% | 100% | 0% | 98.7% | 100% | 100% | 100% | 0% | 100% | | | | | 98.4% |
| Articulated Trucks | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | | | | | 6 |
| % Articulated Trucks | 0% | 1.1% | 0% | 0% | 1.0% | 0% | 0% | 0% | 0% | 0% | 0% | 0.3% | 0% | 0% | 0.2% | 0% | 0% | 0% | 0% | 0% | | | | | 0.4% |
| Buses and Single-Unit Trucks | 0 | 5 | 1 | 0 | 6 | 1 | 1 | 2 | 0 | 4 | 1 | 9 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | | | | | 20 |
| % Buses and Single-Unit Trucks | 0% | 1.4% | 2.4% | 0% | 1.4% | 4.2% | 1.2% | 8.7% | 0% | 3.0% | 0.8% | 1.3% | 0% | 0% | 1.1% | 0% | 0% | 0% | 0% | 0% | | | | | 1.2% |
| Pedestrians | - | - | - | - | 0 | - | - | - | - | 0 | - | - | - | - | 0 | - | - | - | - | 0 | | | | | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - |

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

East Blvd at E. X St - TMC

Tue Jan 8, 2019

AM Peak (Jan 08 2019 7AM - 8AM)

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

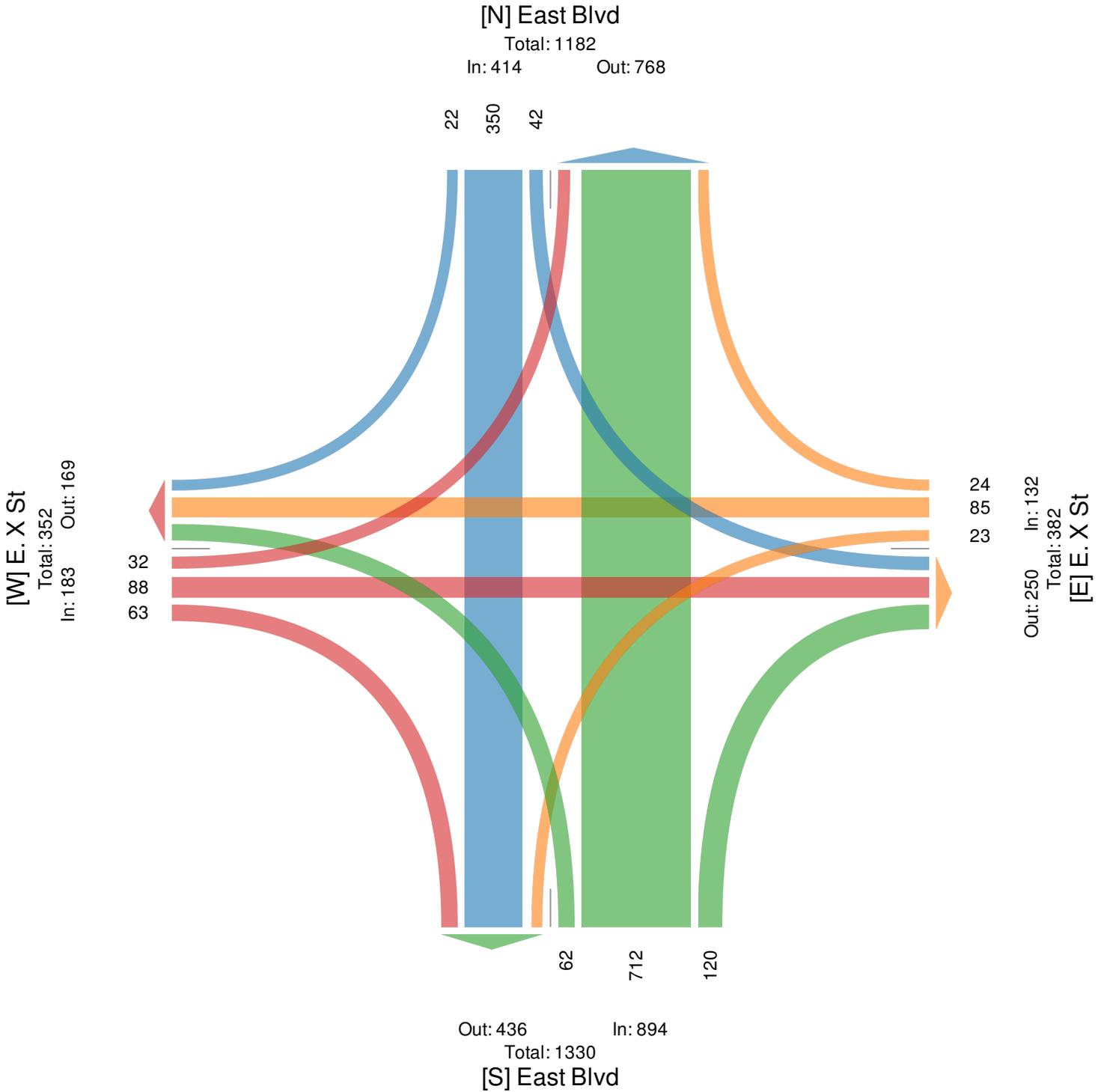
All Movements

ID: 599582, Location: 29.695216, -95.098733



Provided by: C. J. Hensch & Associates Inc.

5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at E. X St - TMC

Tue Jan 8, 2019

Midday Peak (Jan 08 2019 11:45AM - 12:45PM)

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

All Movements

ID: 599582, Location: 29.695216, -95.098733



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | E. X St Westbound | | | | | East Blvd Northbound | | | | | E. X St Eastbound | | | | | Int | | | | | |
|---------------------------------------|----------------------|-------|-------|----|----------|-------------------|-------|-------|-------|----------|----------------------|---|-------|-------|----------|-------------------|-------|---|-------|----------|-------|----|-------|----|-------|------|
| | R | T | L | U | App Ped* | R | T | L | U | App Ped* | R | T | L | U | App Ped* | R | T | L | U | App Ped* | | | | | | |
| 2019-01-08 11:45AM | 5 | 93 | 3 | 0 | 101 | 0 | 8 | 23 | 19 | 0 | 50 | 0 | 18 | 92 | 9 | 0 | 119 | 0 | 10 | 10 | 3 | 0 | 23 | 0 | 293 | |
| 12:00PM | 2 | 103 | 4 | 0 | 109 | 0 | 4 | 15 | 14 | 0 | 33 | 0 | 17 | 82 | 16 | 0 | 115 | 0 | 16 | 17 | 3 | 0 | 36 | 0 | 293 | |
| 12:15PM | 2 | 64 | 6 | 0 | 72 | 0 | 8 | 18 | 18 | 0 | 44 | 0 | 16 | 75 | 18 | 0 | 109 | 0 | 10 | 22 | 1 | 0 | 33 | 0 | 258 | |
| 12:30PM | 6 | 66 | 2 | 0 | 74 | 0 | 5 | 20 | 14 | 0 | 39 | 0 | 17 | 100 | 14 | 0 | 131 | 0 | 13 | 17 | 7 | 0 | 37 | 0 | 281 | |
| Total | 15 | 326 | 15 | 0 | 356 | 0 | 25 | 76 | 65 | 0 | 166 | 0 | 68 | 349 | 57 | 0 | 474 | 0 | 49 | 66 | 14 | 0 | 129 | 0 | 1125 | |
| % Approach | 4.2% | 91.6% | 4.2% | 0% | - | - | 15.1% | 45.8% | 39.2% | 0% | - | - | 14.3% | 73.6% | 12.0% | 0% | - | - | 38.0% | 51.2% | 10.9% | 0% | - | - | - | |
| % Total | 1.3% | 29.0% | 1.3% | 0% | 31.6% | - | 2.2% | 6.8% | 5.8% | 0% | 14.8% | - | 6.0% | 31.0% | 5.1% | 0% | 42.1% | - | 4.4% | 5.9% | 1.2% | 0% | 11.5% | - | - | |
| PHF | 0.625 | 0.791 | 0.625 | - | 0.817 | - | 0.781 | 0.826 | 0.855 | - | 0.830 | - | 0.944 | 0.873 | 0.792 | - | 0.905 | - | 0.766 | 0.750 | 0.500 | - | 0.872 | - | 0.960 | |
| Lights | 15 | 317 | 15 | 0 | 347 | - | 25 | 75 | 65 | 0 | 165 | - | 66 | 345 | 56 | 0 | 467 | - | 49 | 65 | 14 | 0 | 128 | - | 1107 | |
| % Lights | 100% | 97.2% | 100% | 0% | 97.5% | - | 100% | 98.7% | 100% | 0% | 99.4% | - | 97.1% | 98.9% | 98.2% | 0% | 98.5% | - | 100% | 98.5% | 100% | 0% | 99.2% | - | 98.4% | |
| Articulated Trucks | 0 | 7 | 0 | 0 | 7 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | - | 7 |
| % Articulated Trucks | 0% | 2.1% | 0% | 0% | 2.0% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0% | 0% | 0% | 0% | 0% | - | 0.6% |
| Buses and Single-Unit Trucks | 0 | 2 | 0 | 0 | 2 | - | 0 | 1 | 0 | 0 | 1 | - | 2 | 4 | 1 | 0 | 7 | - | 0 | 1 | 0 | 0 | 1 | - | 11 | |
| % Buses and Single-Unit Trucks | 0% | 0.6% | 0% | 0% | 0.6% | - | 0% | 1.3% | 0% | 0% | 0.6% | - | 2.9% | 1.1% | 1.8% | 0% | 1.5% | - | 0% | 1.5% | 0% | 0% | 0.8% | - | 1.0% | |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

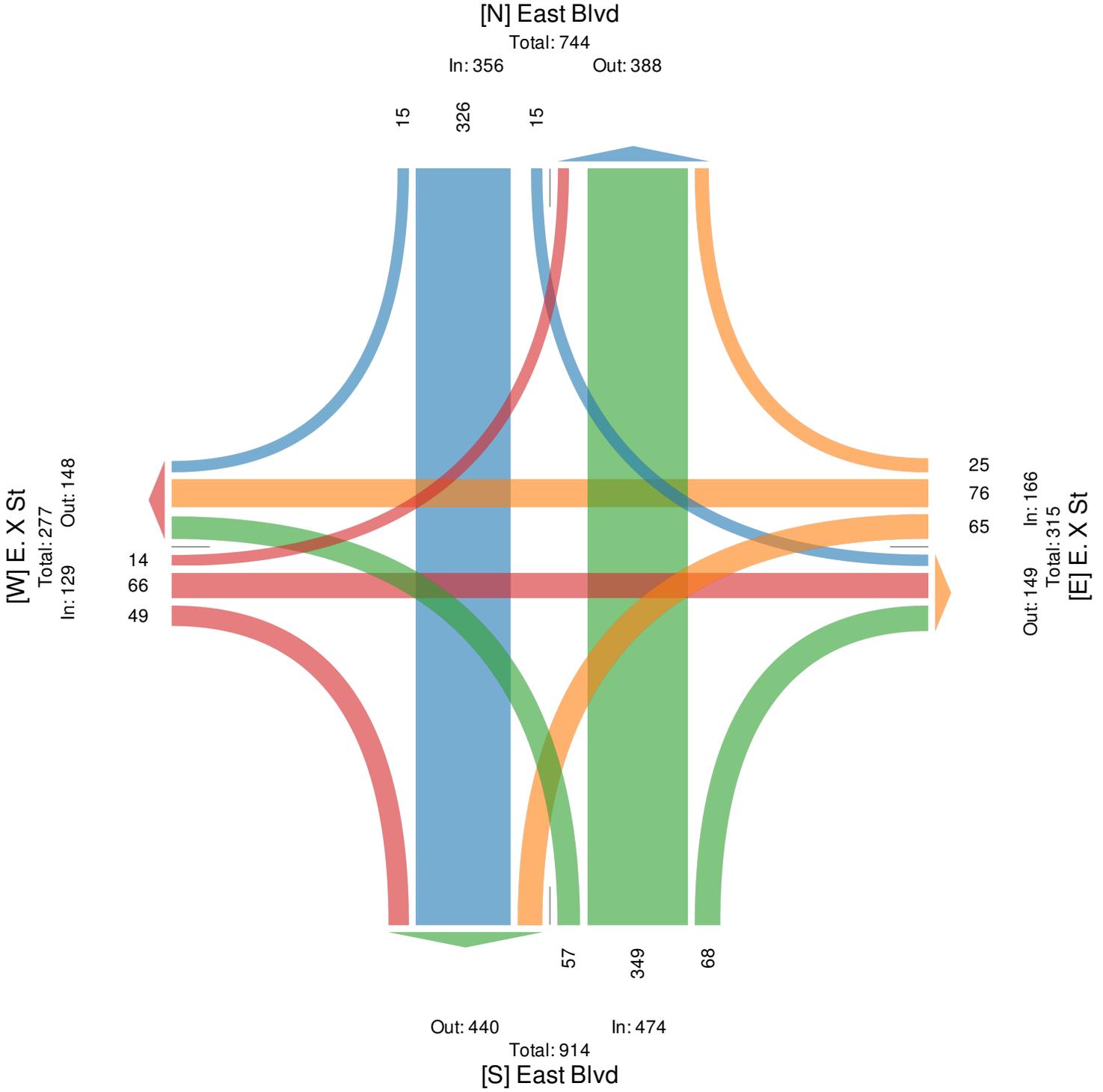
*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

East Blvd at E. X St - TMC

Tue Jan 8, 2019
 Midday Peak (Jan 08 2019 11:45AM - 12:45PM)
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks,
 Pedestrians)
 All Movements
 ID: 599582, Location: 29.695216, -95.098733



Provided by: C. J. Hensch & Associates Inc.
 5215 Sycamore Ave.,
 Pasadena, TX, 77503, US



East Blvd at E. X St - TMC

Tue Jan 8, 2019
 PM Peak (Jan 08 2019 4:30PM - 5:30PM) - Overall Peak Hour
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
 All Movements
 ID: 599582, Location: 29.695216, -95.098733



Provided by: C. J. Hensch & Associates Inc.
 5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E. X St Westbound | | | | | | East Blvd Northbound | | | | | | E. X St Eastbound | | | | | | Int |
|---------------------------------------|----------------------|-------|-------|----|--------------|------|-------------------|-------|-------|----|--------------|------|----------------------|-------|-------|----|--------------|------|-------------------|-------|-------|----|--------------|------|-------------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2019-01-08 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:30PM | 19 | 206 | 11 | 0 | 236 | 0 | 20 | 32 | 32 | 0 | 84 | 0 | 15 | 79 | 24 | 0 | 118 | 0 | 28 | 19 | 2 | 0 | 49 | 0 | 487 |
| 4:45PM | 15 | 257 | 3 | 0 | 275 | 0 | 7 | 33 | 47 | 0 | 87 | 0 | 16 | 69 | 21 | 0 | 106 | 0 | 18 | 19 | 5 | 0 | 42 | 0 | 510 |
| 5:00PM | 15 | 266 | 6 | 0 | 287 | 0 | 5 | 38 | 45 | 0 | 88 | 0 | 19 | 60 | 29 | 0 | 108 | 0 | 14 | 25 | 8 | 0 | 47 | 0 | 530 |
| 5:15PM | 24 | 296 | 4 | 0 | 324 | 0 | 4 | 26 | 42 | 0 | 72 | 0 | 10 | 73 | 32 | 0 | 115 | 0 | 18 | 18 | 4 | 0 | 40 | 0 | 551 |
| Total | 73 | 1025 | 24 | 0 | 1122 | 0 | 36 | 129 | 166 | 0 | 331 | 0 | 60 | 281 | 106 | 0 | 447 | 0 | 78 | 81 | 19 | 0 | 178 | 0 | 2078 |
| % Approach | 6.5% | 91.4% | 2.1% | 0% | - | - | 10.9% | 39.0% | 50.2% | 0% | - | - | 13.4% | 62.9% | 23.7% | 0% | - | - | 43.8% | 45.5% | 10.7% | 0% | - | - | - |
| % Total | 3.5% | 49.3% | 1.2% | 0% | 54.0% | - | 1.7% | 6.2% | 8.0% | 0% | 15.9% | - | 2.9% | 13.5% | 5.1% | 0% | 21.5% | - | 3.8% | 3.9% | 0.9% | 0% | 8.6% | - | - |
| PHF | 0.760 | 0.866 | 0.545 | - | 0.866 | - | 0.450 | 0.849 | 0.883 | - | 0.940 | - | 0.789 | 0.889 | 0.828 | - | 0.947 | - | 0.696 | 0.810 | 0.594 | - | 0.908 | - | 0.943 |
| Lights | 73 | 1023 | 23 | 0 | 1119 | - | 36 | 129 | 166 | 0 | 331 | - | 58 | 275 | 106 | 0 | 439 | - | 78 | 81 | 19 | 0 | 178 | - | 2067 |
| % Lights | 100% | 99.8% | 95.8% | 0% | 99.7% | - | 100% | 100% | 100% | 0% | 100% | - | 96.7% | 97.9% | 100% | 0% | 98.2% | - | 100% | 100% | 100% | 0% | 100% | - | 99.5% |
| Articulated Trucks | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 2 | 0 | 0 | 2 | - | 0 | 0 | 0 | 0 | 0 | - | 2 |
| % Articulated Trucks | 0% | 0% | 0% | 0% | 0% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.7% | 0% | 0% | 0.4% | - | 0% | 0% | 0% | 0% | 0% | - | 0.1% |
| Buses and Single-Unit Trucks | 0 | 2 | 1 | 0 | 3 | - | 0 | 0 | 0 | 0 | 0 | - | 2 | 4 | 0 | 0 | 6 | - | 0 | 0 | 0 | 0 | 0 | - | 9 |
| % Buses and Single-Unit Trucks | 0% | 0.2% | 4.2% | 0% | 0.3% | - | 0% | 0% | 0% | 0% | 0% | - | 3.3% | 1.4% | 0% | 0% | 1.3% | - | 0% | 0% | 0% | 0% | 0% | - | 0.4% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

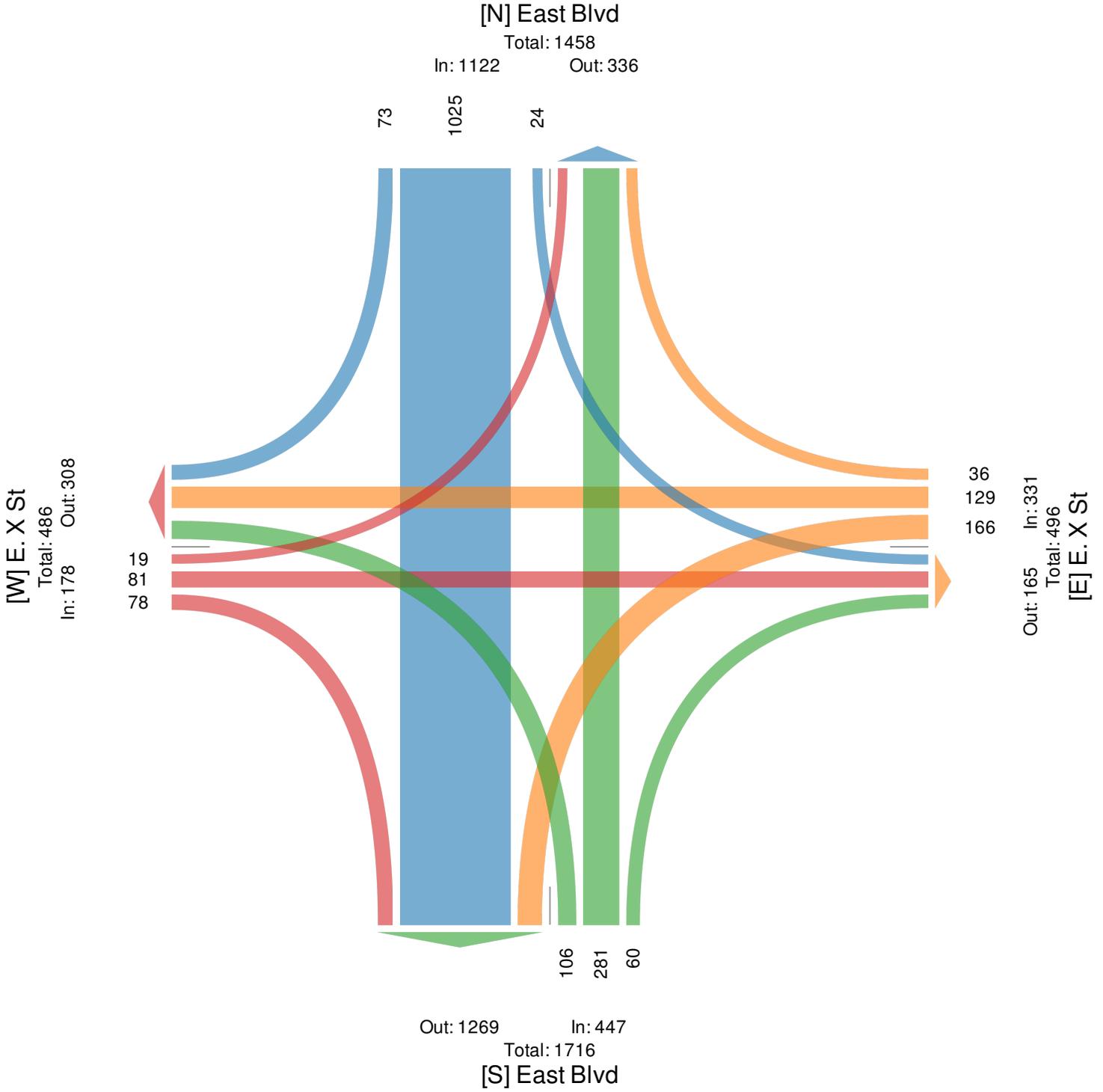
*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

East Blvd at E. X St - TMC

Tue Jan 8, 2019
 PM Peak (Jan 08 2019 4:30PM - 5:30PM) - Overall Peak Hour
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks,
 Pedestrians)
 All Movements
 ID: 599582, Location: 29.695216, -95.098733



Provided by: C. J. Hensch & Associates Inc.
 5215 Sycamore Ave.,
 Pasadena, TX, 77503, US



East Blvd at E San Augustine St - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM (+1))

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

All Movements

ID: 599583, Location: 29.69006, -95.098681



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | | E San Augustine St Westbound | | | | | | | East Blvd Northbound | | | | | | | E San Augustine St Eastbound | | | | | | | Int | | |
|---------------|----------------------|-----|----|---|-----|------|----|------------------------------|----|---|-----|-----|------|-----|----------------------|---|-----|---|-----|------|-----|------------------------------|-----|---|----|-----|------|---|-----|---|------|
| | R | T | L | U | App | Ped* | | R | T | L | U | App | Ped* | | R | T | L | U | App | Ped* | | R | T | L | U | App | Ped* | | | | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00AM | 4 | 3 | 2 | 0 | 9 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 5 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 12:15AM | 2 | 5 | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 12:30AM | 0 | 6 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 7 | 1 | 0 | 8 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 16 |
| 12:45AM | 1 | 4 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 7 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 14 |
| Hourly Total | 7 | 18 | 4 | 0 | 29 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 2 | 21 | 6 | 0 | 29 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 62 |
| 1:00AM | 0 | 8 | 2 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 14 |
| 1:15AM | 0 | 4 | 1 | 0 | 5 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 2 | 7 | 0 | 0 | 9 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 17 |
| 1:30AM | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 9 |
| 1:45AM | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 1 | 4 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Hourly Total | 0 | 17 | 3 | 0 | 20 | 0 | 1 | 0 | 4 | 0 | 5 | 0 | 3 | 16 | 2 | 0 | 21 | 0 | 0 | 1 | 2 | 0 | 3 | 0 | 0 | 1 | 2 | 0 | 3 | 0 | 49 |
| 2:00AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 7 |
| 2:15AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 7 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 12 |
| 2:30AM | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 2:45AM | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 6 |
| Hourly Total | 1 | 9 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 13 | 2 | 0 | 15 | 0 | 1 | 1 | 2 | 0 | 4 | 0 | 1 | 1 | 2 | 0 | 4 | 0 | 30 |
| 3:00AM | 1 | 5 | 0 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 1 | 2 | 0 | 3 | 0 | 0 | 1 | 2 | 0 | 3 | 0 | 17 |
| 3:15AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 1 | 0 | 15 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 17 |
| 3:30AM | 0 | 6 | 1 | 0 | 7 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 15 | 0 | 0 | 17 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 28 |
| 3:45AM | 3 | 7 | 1 | 0 | 11 | 0 | 1 | 0 | 3 | 0 | 4 | 0 | 0 | 14 | 1 | 0 | 15 | 0 | 4 | 0 | 2 | 0 | 6 | 0 | 4 | 0 | 2 | 0 | 6 | 0 | 36 |
| Hourly Total | 4 | 18 | 2 | 0 | 24 | 0 | 4 | 0 | 3 | 0 | 7 | 0 | 2 | 49 | 2 | 0 | 53 | 0 | 5 | 1 | 8 | 0 | 14 | 0 | 5 | 1 | 8 | 0 | 14 | 0 | 98 |
| 4:00AM | 1 | 13 | 1 | 0 | 15 | 0 | 6 | 1 | 2 | 0 | 9 | 0 | 0 | 20 | 2 | 0 | 22 | 0 | 1 | 0 | 4 | 0 | 5 | 0 | 1 | 0 | 4 | 0 | 5 | 0 | 51 |
| 4:15AM | 3 | 17 | 0 | 0 | 20 | 0 | 3 | 0 | 1 | 0 | 4 | 0 | 0 | 30 | 1 | 0 | 31 | 0 | 2 | 0 | 5 | 0 | 7 | 0 | 2 | 0 | 5 | 0 | 7 | 0 | 62 |
| 4:30AM | 2 | 9 | 1 | 0 | 12 | 0 | 4 | 1 | 2 | 0 | 7 | 0 | 1 | 55 | 0 | 0 | 56 | 0 | 2 | 0 | 2 | 0 | 4 | 0 | 2 | 0 | 2 | 0 | 4 | 0 | 79 |
| 4:45AM | 3 | 19 | 2 | 0 | 24 | 0 | 4 | 2 | 1 | 0 | 7 | 0 | 1 | 58 | 0 | 0 | 59 | 0 | 3 | 0 | 4 | 0 | 7 | 0 | 3 | 0 | 4 | 0 | 7 | 0 | 97 |
| Hourly Total | 9 | 58 | 4 | 0 | 71 | 0 | 17 | 4 | 6 | 0 | 27 | 0 | 2 | 163 | 3 | 0 | 168 | 0 | 8 | 0 | 15 | 0 | 23 | 0 | 8 | 0 | 15 | 0 | 23 | 0 | 289 |
| 5:00AM | 3 | 14 | 3 | 0 | 20 | 0 | 2 | 2 | 1 | 0 | 5 | 0 | 0 | 62 | 6 | 0 | 68 | 0 | 4 | 0 | 11 | 0 | 15 | 0 | 4 | 0 | 11 | 0 | 15 | 0 | 108 |
| 5:15AM | 1 | 18 | 0 | 0 | 19 | 0 | 4 | 1 | 0 | 0 | 5 | 0 | 0 | 98 | 0 | 0 | 98 | 0 | 5 | 0 | 8 | 0 | 13 | 0 | 5 | 0 | 8 | 0 | 13 | 0 | 135 |
| 5:30AM | 2 | 32 | 1 | 0 | 35 | 0 | 18 | 1 | 0 | 0 | 19 | 0 | 0 | 119 | 1 | 0 | 120 | 0 | 9 | 0 | 19 | 0 | 28 | 0 | 9 | 0 | 19 | 0 | 28 | 0 | 202 |
| 5:45AM | 1 | 38 | 1 | 0 | 40 | 0 | 7 | 1 | 3 | 0 | 11 | 0 | 0 | 136 | 2 | 0 | 138 | 0 | 2 | 0 | 28 | 0 | 30 | 0 | 2 | 0 | 28 | 0 | 30 | 0 | 219 |
| Hourly Total | 7 | 102 | 5 | 0 | 114 | 0 | 31 | 5 | 4 | 0 | 40 | 0 | 0 | 415 | 9 | 0 | 424 | 0 | 20 | 0 | 66 | 0 | 86 | 0 | 20 | 0 | 66 | 0 | 86 | 0 | 664 |
| 6:00AM | 3 | 40 | 2 | 0 | 45 | 1 | 9 | 1 | 8 | 0 | 18 | 0 | 0 | 183 | 3 | 0 | 186 | 0 | 7 | 1 | 20 | 0 | 28 | 0 | 7 | 1 | 20 | 0 | 28 | 0 | 277 |
| 6:15AM | 4 | 46 | 1 | 0 | 51 | 0 | 14 | 1 | 9 | 0 | 24 | 0 | 1 | 131 | 3 | 0 | 135 | 0 | 14 | 2 | 23 | 0 | 39 | 0 | 14 | 2 | 23 | 0 | 39 | 0 | 249 |
| 6:30AM | 6 | 47 | 0 | 0 | 53 | 0 | 16 | 3 | 9 | 0 | 28 | 0 | 7 | 139 | 8 | 0 | 154 | 0 | 9 | 2 | 18 | 0 | 29 | 0 | 9 | 2 | 18 | 0 | 29 | 0 | 264 |
| 6:45AM | 5 | 56 | 1 | 0 | 62 | 0 | 31 | 8 | 10 | 0 | 49 | 0 | 6 | 150 | 9 | 0 | 165 | 0 | 13 | 3 | 43 | 0 | 59 | 0 | 13 | 3 | 43 | 0 | 59 | 0 | 335 |
| Hourly Total | 18 | 189 | 4 | 0 | 211 | 1 | 70 | 13 | 36 | 0 | 119 | 0 | 14 | 603 | 23 | 0 | 640 | 0 | 43 | 8 | 104 | 0 | 155 | 0 | 43 | 8 | 104 | 0 | 155 | 0 | 1125 |
| 7:00AM | 11 | 70 | 4 | 0 | 85 | 0 | 22 | 4 | 8 | 0 | 34 | 0 | 2 | 165 | 8 | 0 | 175 | 0 | 17 | 1 | 38 | 0 | 56 | 0 | 17 | 1 | 38 | 0 | 56 | 0 | 350 |
| 7:15AM | 16 | 95 | 9 | 0 | 120 | 0 | 17 | 17 | 17 | 0 | 51 | 0 | 6 | 172 | 16 | 0 | 194 | 0 | 18 | 1 | 30 | 0 | 49 | 0 | 18 | 1 | 30 | 0 | 49 | 0 | 414 |
| 7:30AM | 19 | 98 | 7 | 0 | 124 | 0 | 21 | 8 | 16 | 0 | 45 | 0 | 2 | 152 | 13 | 0 | 167 | 0 | 30 | 6 | 29 | 0 | 65 | 0 | 30 | 6 | 29 | 0 | 65 | 0 | 401 |
| 7:45AM | 19 | 92 | 4 | 0 | 115 | 0 | 10 | 6 | 8 | 0 | 24 | 0 | 4 | 166 | 17 | 0 | 187 | 0 | 23 | 2 | 25 | 0 | 50 | 0 | 23 | 2 | 25 | 0 | 50 | 0 | 376 |
| Hourly Total | 65 | 355 | 24 | 0 | 444 | 0 | 70 | 35 | 49 | 0 | 154 | 0 | 14 | 655 | 54 | 0 | 723 | 0 | 88 | 10 | 122 | 0 | 220 | 0 | 88 | 10 | 122 | 0 | 220 | 0 | 1541 |
| 8:00AM | 20 | 80 | 2 | 0 | 102 | 0 | 12 | 5 | 5 | 0 | 22 | 0 | 6 | 109 | 24 | 0 | 139 | 0 | 21 | 3 | 29 | 0 | 53 | 0 | 21 | 3 | 29 | 0 | 53 | 0 | 316 |
| 8:15AM | 7 | 59 | 5 | 0 | 71 | 0 | 10 | 10 | 10 | 0 | 30 | 0 | 3 | 98 | 19 | 0 | 120 | 0 | 20 | 4 | 14 | 0 | 38 | 0 | 20 | 4 | 14 | 0 | 38 | 0 | 259 |
| 8:30AM | 11 | 61 | 3 | 0 | 75 | 0 | 5 | 3 | 6 | 0 | 14 | 0 | 4 | 72 | 16 | 0 | 92 | 0 | 21 | 2 | 16 | 0 | 39 | 0 | 21 | 2 | 16 | 0 | 39 | 0 | 220 |
| 8:45AM | 9 | 66 | 3 | 0 | 78 | 0 | 8 | 1 | 6 | 0 | 15 | 1 | 5 | 85 | 6 | 0 | 96 | 0 | 20 | 4 | 20 | 0 | 44 | 0 | 20 | 4 | 20 | 0 | 44 | 0 | 233 |
| Hourly Total | 47 | 266 | 13 | 0 | 326 | 0 | 35 | 19 | 27 | 0 | 81 | 1 | 18 | 364 | 65 | 0 | 447 | 0 | 82 | 13 | 79 | 0 | 174 | 0 | 82 | 13 | 79 | 0 | 174 | 0 | 1028 |
| 9:00AM | 3 | 52 | 3 | 0 | 58 | 1 | 0 | 1 | 4 | 0 | 5 | 0 | 3 | 60 | 9 | 0 | 72 | 0 | 12 | 0 | 7 | 0 | 19 | 1 | 12 | 0 | 7 | 0 | 19 | 1 | 154 |
| 9:15AM | 5 | 48 | 5 | 0 | 58 | 0 | 9 | 1 | 3 | 0 | 13 | 1 | 5 | 64 | 18 | 0 | 87 | 2 | 13 | 1 | 6 | 0 | 20 | 0 | 13 | 1 | 6 | 0 | 20 | 0 | 178 |
| 9:30AM | 8 | 49 | 0 | 0 | 57 | 0 | 1 | 1 | 3 | 0 | 5 | 0 | 0 | 67 | 11 | 0 | 78 | 0 | 23 | 4 | 10 | 0 | 37 | 0 | 23 | 4 | 10 | 0 | 37 | 0 | 177 |
| 9:45AM | 7 | 59 | 2 | 0 | 68 | 0 | 7 | 5 | 4 | 0 | 16 | 0 | 5 | 55 | 12 | 0 | 72 | 0 | 16 | 4 | 7 | 0 | 27 | 2 | 16 | 4 | 7 | 0 | 27 | 2 | 183 |
| Hourly Total | 23 | 208 | 10 | 0 | 241 | 1 | 17 | 8 | 14 | 0 | 39 | 1 | 13 | 246 | 50 | 0 | 309 | 2 | 64 | 9 | 30 | 0 | 103 | 3 | 64 | 9 | 30 | 0 | 103 | 3 | 692 |
| 10:00AM | 7 | 55 | 0 | 0 | 62 | 0 | 2 | 2 | 3 | 0 | 7 | 0 | 2 | 55 | 16 | 0 | 73 | 0 | 20 | 1 | 7 | 0 | 28 | 0 | 20 | 1 | 7 | 0 | 28 | 0 | 170 |
| 10:15AM | 7 | 60 | 4 | 0 | 71 | 0 | 8 | 8 | 6 | 0 | 22 | 0 | 5 | 59 | 18 | 0 | 82 | 0 | 22 | 6 | 9 | 0 | 37 | 0 | 22 | 6 | 9 | 0 | 37 | 0 | 212 |
| 10:30AM | 10 | 65 | 2 | 0 | 77 | 0 | 1 | 2 | 5 | 0 | 8 | 0 | 4 | 62 | 22 | 0 | 88 | 0 | 24 | 1 | 9 | 0 | 34 | 0 | 24 | 1 | 9 | 0 | 34 | 0 | 207 |

| Leg Direction | East Blvd Southbound | | | | | | E San Augustine St Westbound | | | | | | East Blvd Northbound | | | | | | E San Augustine St Eastbound | | | | | | Int |
|--------------------------------|----------------------|-------------|------------|----------|--------------|----------|------------------------------|------------|------------|----------|--------------|----------|----------------------|-------------|-------------|----------|--------------|----------|------------------------------|------------|------------|----------|--------------|----------|--------------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 1:30PM | 6 | 69 | 1 | 0 | 76 | 0 | 9 | 1 | 5 | 0 | 15 | 0 | 6 | 90 | 19 | 0 | 115 | 0 | 18 | 2 | 17 | 0 | 37 | 0 | 243 |
| 1:45PM | 5 | 88 | 2 | 0 | 95 | 0 | 4 | 2 | 8 | 0 | 14 | 0 | 6 | 104 | 22 | 0 | 132 | 0 | 22 | 6 | 12 | 0 | 40 | 0 | 281 |
| Hourly Total | 36 | 335 | 9 | 0 | 380 | 0 | 18 | 8 | 28 | 0 | 54 | 0 | 24 | 368 | 87 | 0 | 479 | 0 | 95 | 14 | 42 | 0 | 151 | 0 | 1064 |
| 2:00PM | 6 | 76 | 3 | 0 | 85 | 0 | 6 | 2 | 6 | 0 | 14 | 0 | 7 | 86 | 17 | 0 | 110 | 0 | 19 | 0 | 6 | 0 | 25 | 0 | 234 |
| 2:15PM | 12 | 81 | 4 | 0 | 97 | 0 | 1 | 8 | 7 | 0 | 16 | 0 | 6 | 73 | 17 | 0 | 96 | 0 | 14 | 5 | 9 | 0 | 28 | 0 | 237 |
| 2:30PM | 12 | 84 | 6 | 0 | 102 | 0 | 1 | 4 | 7 | 0 | 12 | 1 | 9 | 85 | 20 | 0 | 114 | 0 | 27 | 2 | 12 | 0 | 41 | 0 | 269 |
| 2:45PM | 17 | 81 | 7 | 0 | 105 | 0 | 7 | 3 | 4 | 0 | 14 | 0 | 5 | 96 | 17 | 0 | 118 | 0 | 29 | 2 | 13 | 0 | 44 | 0 | 281 |
| Hourly Total | 47 | 322 | 20 | 0 | 389 | 0 | 15 | 17 | 24 | 0 | 56 | 1 | 27 | 340 | 71 | 0 | 438 | 0 | 89 | 9 | 40 | 0 | 138 | 0 | 1021 |
| 3:00PM | 27 | 125 | 6 | 0 | 158 | 0 | 6 | 6 | 3 | 0 | 15 | 0 | 10 | 76 | 28 | 0 | 114 | 0 | 26 | 5 | 6 | 0 | 37 | 0 | 324 |
| 3:15PM | 14 | 120 | 11 | 0 | 145 | 0 | 2 | 11 | 7 | 0 | 20 | 0 | 7 | 98 | 28 | 0 | 133 | 0 | 20 | 7 | 7 | 0 | 34 | 1 | 332 |
| 3:30PM | 17 | 136 | 6 | 0 | 159 | 0 | 7 | 2 | 6 | 0 | 15 | 0 | 7 | 82 | 21 | 0 | 110 | 0 | 29 | 4 | 10 | 0 | 43 | 0 | 327 |
| 3:45PM | 21 | 162 | 6 | 1 | 190 | 0 | 6 | 4 | 5 | 0 | 15 | 0 | 12 | 95 | 23 | 0 | 130 | 2 | 31 | 7 | 12 | 0 | 50 | 1 | 385 |
| Hourly Total | 79 | 543 | 29 | 1 | 652 | 0 | 21 | 23 | 21 | 0 | 65 | 0 | 36 | 351 | 100 | 0 | 487 | 2 | 106 | 23 | 35 | 0 | 164 | 2 | 1368 |
| 4:00PM | 38 | 179 | 14 | 0 | 231 | 0 | 5 | 6 | 10 | 0 | 21 | 0 | 7 | 90 | 34 | 0 | 131 | 0 | 34 | 11 | 18 | 0 | 63 | 0 | 446 |
| 4:15PM | 28 | 210 | 14 | 0 | 252 | 0 | 9 | 5 | 10 | 0 | 24 | 1 | 18 | 93 | 31 | 0 | 142 | 0 | 40 | 10 | 9 | 0 | 59 | 0 | 477 |
| 4:30PM | 39 | 211 | 11 | 0 | 261 | 0 | 4 | 6 | 16 | 0 | 26 | 0 | 6 | 114 | 24 | 0 | 144 | 0 | 37 | 4 | 16 | 0 | 57 | 0 | 488 |
| 4:45PM | 35 | 261 | 19 | 0 | 315 | 0 | 8 | 0 | 8 | 0 | 16 | 0 | 14 | 79 | 36 | 0 | 129 | 0 | 34 | 6 | 17 | 0 | 57 | 0 | 517 |
| Hourly Total | 140 | 861 | 58 | 0 | 1059 | 0 | 26 | 17 | 44 | 0 | 87 | 1 | 45 | 376 | 125 | 0 | 546 | 0 | 145 | 31 | 60 | 0 | 236 | 0 | 1928 |
| 5:00PM | 42 | 227 | 18 | 0 | 287 | 0 | 7 | 6 | 4 | 0 | 17 | 0 | 9 | 93 | 41 | 0 | 143 | 0 | 34 | 4 | 15 | 0 | 53 | 0 | 500 |
| 5:15PM | 58 | 221 | 27 | 0 | 306 | 0 | 7 | 1 | 6 | 0 | 14 | 0 | 14 | 81 | 38 | 0 | 133 | 0 | 33 | 11 | 11 | 0 | 55 | 0 | 508 |
| 5:30PM | 40 | 191 | 15 | 0 | 246 | 0 | 9 | 5 | 10 | 0 | 24 | 0 | 8 | 84 | 36 | 0 | 128 | 0 | 29 | 4 | 6 | 0 | 39 | 0 | 437 |
| 5:45PM | 30 | 226 | 12 | 0 | 268 | 0 | 2 | 6 | 6 | 0 | 14 | 0 | 10 | 70 | 29 | 0 | 109 | 0 | 34 | 5 | 15 | 0 | 54 | 0 | 445 |
| Hourly Total | 170 | 865 | 72 | 0 | 1107 | 0 | 25 | 18 | 26 | 0 | 69 | 0 | 41 | 328 | 144 | 0 | 513 | 0 | 130 | 24 | 47 | 0 | 201 | 0 | 1890 |
| 6:00PM | 21 | 129 | 8 | 0 | 158 | 0 | 4 | 3 | 8 | 0 | 15 | 0 | 15 | 83 | 33 | 0 | 131 | 0 | 15 | 7 | 7 | 0 | 29 | 0 | 333 |
| 6:15PM | 15 | 138 | 18 | 0 | 171 | 0 | 8 | 4 | 6 | 0 | 18 | 0 | 16 | 80 | 20 | 0 | 116 | 0 | 20 | 5 | 6 | 0 | 31 | 0 | 336 |
| 6:30PM | 18 | 106 | 16 | 0 | 140 | 0 | 4 | 9 | 8 | 0 | 21 | 0 | 10 | 76 | 27 | 0 | 113 | 0 | 16 | 4 | 9 | 0 | 29 | 0 | 303 |
| 6:45PM | 16 | 95 | 12 | 1 | 124 | 0 | 7 | 4 | 9 | 0 | 20 | 0 | 8 | 73 | 31 | 0 | 112 | 0 | 20 | 6 | 4 | 0 | 30 | 0 | 286 |
| Hourly Total | 70 | 468 | 54 | 1 | 593 | 0 | 23 | 20 | 31 | 0 | 74 | 0 | 49 | 312 | 111 | 0 | 472 | 0 | 71 | 22 | 26 | 0 | 119 | 0 | 1258 |
| 7:00PM | 13 | 90 | 5 | 0 | 108 | 0 | 5 | 2 | 10 | 0 | 17 | 0 | 16 | 59 | 37 | 0 | 112 | 0 | 23 | 3 | 6 | 0 | 32 | 0 | 269 |
| 7:15PM | 11 | 90 | 7 | 0 | 108 | 0 | 4 | 3 | 4 | 0 | 11 | 0 | 10 | 67 | 28 | 0 | 105 | 0 | 16 | 4 | 5 | 0 | 25 | 0 | 249 |
| 7:30PM | 12 | 77 | 3 | 0 | 92 | 0 | 3 | 0 | 2 | 0 | 5 | 0 | 11 | 48 | 22 | 0 | 81 | 0 | 11 | 3 | 3 | 0 | 17 | 0 | 195 |
| 7:45PM | 7 | 53 | 5 | 0 | 65 | 0 | 4 | 3 | 5 | 0 | 12 | 0 | 11 | 59 | 25 | 0 | 95 | 0 | 25 | 2 | 3 | 0 | 30 | 0 | 202 |
| Hourly Total | 43 | 310 | 20 | 0 | 373 | 0 | 16 | 8 | 21 | 0 | 45 | 0 | 48 | 233 | 112 | 0 | 393 | 0 | 75 | 12 | 17 | 0 | 104 | 0 | 915 |
| 8:00PM | 10 | 46 | 3 | 0 | 59 | 0 | 0 | 2 | 2 | 0 | 4 | 0 | 9 | 59 | 33 | 0 | 101 | 1 | 16 | 5 | 4 | 0 | 25 | 0 | 189 |
| 8:15PM | 5 | 53 | 3 | 0 | 61 | 0 | 4 | 2 | 7 | 0 | 13 | 0 | 8 | 51 | 24 | 0 | 83 | 0 | 5 | 3 | 5 | 0 | 13 | 0 | 170 |
| 8:30PM | 6 | 52 | 6 | 0 | 64 | 1 | 3 | 2 | 3 | 0 | 8 | 0 | 4 | 41 | 11 | 0 | 56 | 0 | 14 | 2 | 5 | 0 | 21 | 1 | 149 |
| 8:45PM | 6 | 55 | 6 | 0 | 67 | 0 | 0 | 4 | 4 | 0 | 8 | 0 | 9 | 42 | 20 | 0 | 71 | 0 | 13 | 8 | 2 | 0 | 23 | 0 | 169 |
| Hourly Total | 27 | 206 | 18 | 0 | 251 | 1 | 7 | 10 | 16 | 0 | 33 | 0 | 30 | 193 | 88 | 0 | 311 | 1 | 48 | 18 | 16 | 0 | 82 | 1 | 677 |
| 9:00PM | 9 | 40 | 3 | 0 | 52 | 0 | 2 | 1 | 2 | 0 | 5 | 0 | 6 | 36 | 12 | 0 | 54 | 0 | 14 | 7 | 2 | 0 | 23 | 0 | 134 |
| 9:15PM | 5 | 37 | 4 | 0 | 46 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 9 | 53 | 20 | 0 | 82 | 0 | 7 | 3 | 3 | 0 | 13 | 0 | 144 |
| 9:30PM | 3 | 32 | 5 | 0 | 40 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 4 | 30 | 8 | 0 | 42 | 0 | 3 | 1 | 0 | 0 | 4 | 0 | 89 |
| 9:45PM | 6 | 29 | 2 | 0 | 37 | 2 | 2 | 1 | 2 | 0 | 5 | 0 | 6 | 35 | 17 | 0 | 58 | 0 | 4 | 3 | 2 | 0 | 9 | 0 | 109 |
| Hourly Total | 23 | 138 | 14 | 0 | 175 | 2 | 6 | 2 | 8 | 0 | 16 | 0 | 25 | 154 | 57 | 0 | 236 | 0 | 28 | 14 | 7 | 0 | 49 | 0 | 476 |
| 10:00PM | 5 | 20 | 3 | 0 | 28 | 1 | 1 | 2 | 3 | 0 | 6 | 0 | 3 | 27 | 13 | 0 | 43 | 0 | 6 | 0 | 3 | 0 | 9 | 0 | 86 |
| 10:15PM | 5 | 25 | 4 | 0 | 34 | 0 | 0 | 2 | 3 | 0 | 5 | 0 | 0 | 31 | 2 | 0 | 33 | 0 | 3 | 6 | 1 | 0 | 10 | 0 | 82 |
| 10:30PM | 3 | 16 | 3 | 0 | 22 | 0 | 3 | 1 | 4 | 0 | 8 | 0 | 4 | 19 | 6 | 1 | 30 | 0 | 6 | 4 | 5 | 0 | 15 | 0 | 75 |
| 10:45PM | 3 | 19 | 1 | 0 | 23 | 0 | 1 | 1 | 1 | 0 | 3 | 0 | 4 | 16 | 6 | 0 | 26 | 0 | 4 | 1 | 5 | 0 | 10 | 0 | 62 |
| Hourly Total | 16 | 80 | 11 | 0 | 107 | 1 | 5 | 6 | 11 | 0 | 22 | 0 | 11 | 93 | 27 | 1 | 132 | 0 | 19 | 11 | 14 | 0 | 44 | 0 | 305 |
| 11:00PM | 2 | 21 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 4 | 0 | 19 | 0 | 6 | 0 | 1 | 0 | 7 | 0 | 49 |
| 11:15PM | 2 | 15 | 0 | 0 | 17 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 3 | 13 | 2 | 0 | 18 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 39 |
| 11:30PM | 1 | 14 | 1 | 0 | 16 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 8 | 2 | 0 | 11 | 0 | 1 | 1 | 3 | 0 | 5 | 0 | 33 |
| 11:45PM | 2 | 7 | 3 | 0 | 12 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 10 | 2 | 0 | 14 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 28 |
| Hourly Total | 7 | 57 | 4 | 0 | 68 | 0 | 2 | 1 | 1 | 0 | 4 | 0 | 6 | 46 | 10 | 0 | 62 | 0 | 9 | 2 | 4 | 0 | 15 | 0 | 149 |
| Total | 970 | 6474 | 414 | 2 | 7860 | 6 | 454 | 260 | 422 | 0 | 1136 | 4 | 468 | 6356 | 1372 | 2 | 8198 | 5 | 1402 | 262 | 871 | 0 | 2535 | 6 | 19729 |
| % Approach | 12.3% | 82.4% | 5.3% | 0% | - | - | 40.0% | 22.9% | 37.1% | 0% | - | - | 5.7% | 77.5% | 16.7% | 0% | - | - | 55.3% | 10.3% | 34.4% | 0% | - | - | - |
| % Total | 4.9% | 32.8% | 2.1% | 0% | 39.8% | - | 2.3% | 1.3% | 2.1% | 0% | 5.8% | - | 2.4% | 32.2% | 7.0% | 0% | 41.6% | - | 7.1% | 1.3% | 4.4% | 0% | 12.8% | - | - |
| Lights | 952 | 6347 | 408 | 2 | 7709 | - | 449 | 259 | 411 | 0 | 1119 | - | 462 | 6250 | 1360 | 2 | 8074 | - | 1394 | 256 | 860 | 0 | 2510 | - | 19412 |
| % Lights | 98.1% | 98.0% | 98.6% | 100% | 98.1% | - | 98.9% | 99.6% | 97.4% | 0% | 98.5% | - | 98.7% | 98.3% | 99.1% | 100% | 98.5% | - | 99.4% | 97.7% | 98.7% | 0% | 99.0% | - | 98.4% |
| Articulated Trucks | 2 | 25 | 0 | 0 | 27 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 22 | 0 | 0 | 22 | - | 2 | 0 | 2 | 0 | 4 | - | 53 |
| % Articulated Trucks | 0.2% | 0.4% | 0% | 0% | 0.3% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.3% | 0% | 0% | 0.3% | - | 0.1% | 0% | 0.2% | 0% | 0.2% | - | 0.3% |
| Buses and Single-Unit Trucks | 16 | 102 | 6 | 0 | 124 | - | 5 | 1 | 11 | 0 | 17 | - | 6 | 84 | 12 | 0 | 102 | - | 6 | 6 | 9 | 0 | 21 | - | 264 |
| % Buses and Single-Unit Trucks | 1.6% | 1.6% | 1.4% | 0% | 1.6% | - | 1.1% | 0.4% | 2.6% | 0% | 1.5% | - | 1.3% | 1.3% | 0.9% | 0% | 1.2% | - | 0.4% | 2.3% | 1.0% | 0% | 0.8% | - | 1.3% |
| Pedestrians | - | - | - | - | - | 6 | - | - | - | - | - | 4 | - | - | - | - | - | 5 | - | - | - | - | - | 6 | - |
| % Pedestrians | - | - | - | - | - | 100% | - | - | - | - | - | 100% | - | - | - | - | - | 100% | - | - | - | - | - | - | 100% |

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

East Blvd at E San Augustine St - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM (+1))

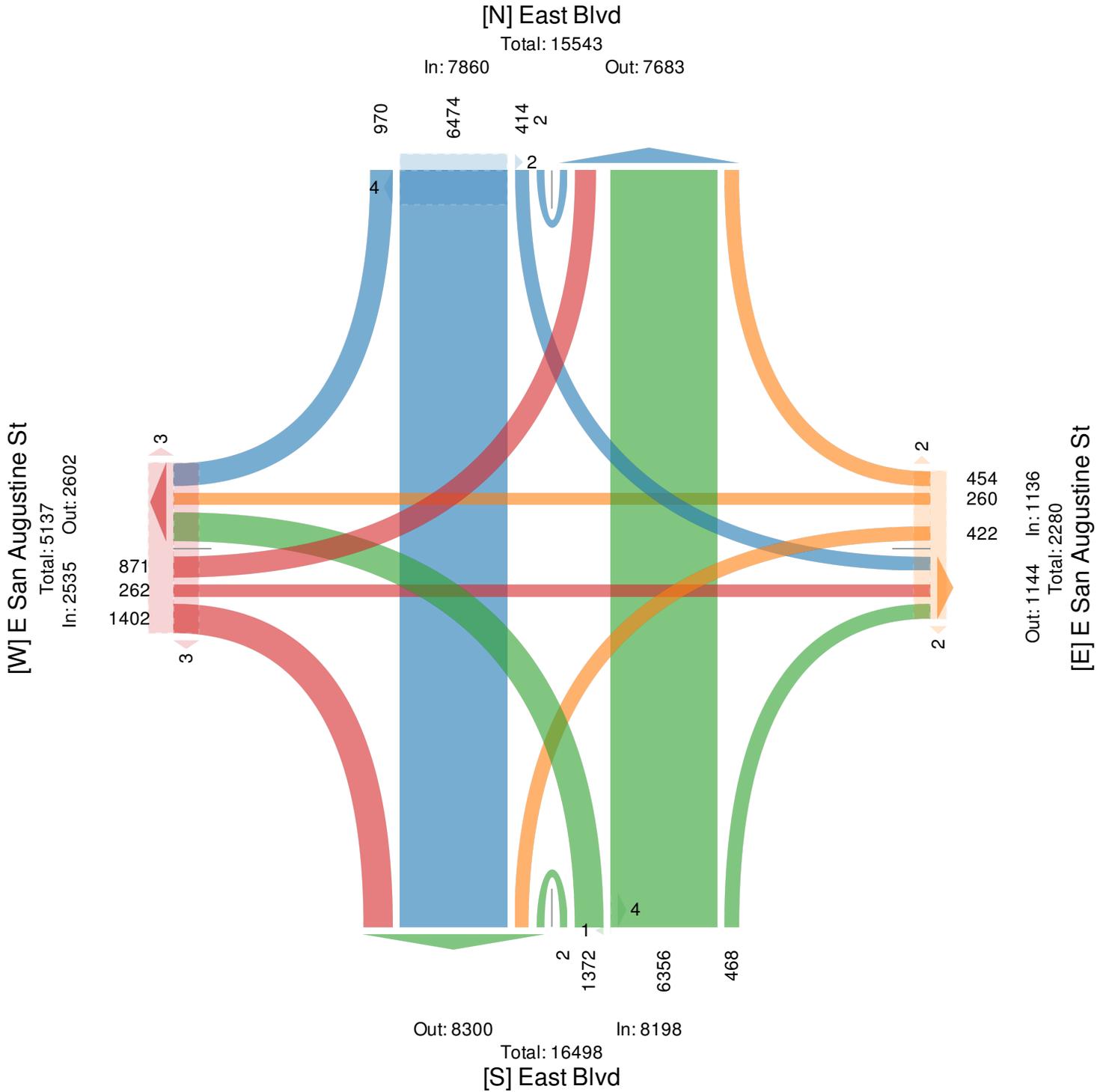
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599583, Location: 29.69006, -95.098681



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at E San Augustine St - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7AM - 8AM)

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

All Movements

ID: 599583, Location: 29.69006, -95.098681



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E San Augustine St Westbound | | | | | | East Blvd Northbound | | | | | | E San Augustine St Eastbound | | | | | | Int |
|---------------------------------------|-------------------------|-------|-------|----|-------|------|---------------------------------|-------|-------|----|-------|------|-------------------------|-------|-------|----|-------|------|---------------------------------|-------|-------|----|-------|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 7:00AM | 11 | 70 | 4 | 0 | 85 | 0 | 22 | 4 | 8 | 0 | 34 | 0 | 2 | 165 | 8 | 0 | 175 | 0 | 17 | 1 | 38 | 0 | 56 | 0 | 350 |
| 7:15AM | 16 | 95 | 9 | 0 | 120 | 0 | 17 | 17 | 17 | 0 | 51 | 0 | 6 | 172 | 16 | 0 | 194 | 0 | 18 | 1 | 30 | 0 | 49 | 0 | 414 |
| 7:30AM | 19 | 98 | 7 | 0 | 124 | 0 | 21 | 8 | 16 | 0 | 45 | 0 | 2 | 152 | 13 | 0 | 167 | 0 | 30 | 6 | 29 | 0 | 65 | 0 | 401 |
| 7:45AM | 19 | 92 | 4 | 0 | 115 | 0 | 10 | 6 | 8 | 0 | 24 | 0 | 4 | 166 | 17 | 0 | 187 | 0 | 23 | 2 | 25 | 0 | 50 | 0 | 376 |
| Total | 65 | 355 | 24 | 0 | 444 | 0 | 70 | 35 | 49 | 0 | 154 | 0 | 14 | 655 | 54 | 0 | 723 | 0 | 88 | 10 | 122 | 0 | 220 | 0 | 1541 |
| % Approach | 14.6% | 80.0% | 5.4% | 0% | - | - | 45.5% | 22.7% | 31.8% | 0% | - | - | 1.9% | 90.6% | 7.5% | 0% | - | - | 40.0% | 4.5% | 55.5% | 0% | - | - | - |
| % Total | 4.2% | 23.0% | 1.6% | 0% | 28.8% | - | 4.5% | 2.3% | 3.2% | 0% | 10.0% | - | 0.9% | 42.5% | 3.5% | 0% | 46.9% | - | 5.7% | 0.6% | 7.9% | 0% | 14.3% | - | - |
| PHF | 0.855 | 0.906 | 0.667 | - | 0.895 | - | 0.795 | 0.515 | 0.721 | - | 0.755 | - | 0.583 | 0.952 | 0.794 | - | 0.932 | - | 0.733 | 0.417 | 0.803 | - | 0.846 | - | 0.931 |
| Lights | 63 | 345 | 23 | 0 | 431 | - | 70 | 34 | 47 | 0 | 151 | - | 13 | 648 | 53 | 0 | 714 | - | 86 | 10 | 122 | 0 | 218 | - | 1514 |
| % Lights | 96.9% | 97.2% | 95.8% | 0% | 97.1% | - | 100% | 97.1% | 95.9% | 0% | 98.1% | - | 92.9% | 98.9% | 98.1% | 0% | 98.8% | - | 97.7% | 100% | 100% | 0% | 99.1% | - | 98.2% |
| Articulated Trucks | 1 | 2 | 0 | 0 | 3 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | - | 4 |
| % Articulated Trucks | 1.5% | 0.6% | 0% | 0% | 0.7% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.2% | 0% | 0% | 0.1% | - | 0% | 0% | 0% | 0% | 0% | - | 0.3% |
| Buses and Single-Unit Trucks | 1 | 8 | 1 | 0 | 10 | - | 0 | 1 | 2 | 0 | 3 | - | 1 | 6 | 1 | 0 | 8 | - | 2 | 0 | 0 | 0 | 2 | - | 23 |
| % Buses and Single-Unit Trucks | 1.5% | 2.3% | 4.2% | 0% | 2.3% | - | 0% | 2.9% | 4.1% | 0% | 1.9% | - | 7.1% | 0.9% | 1.9% | 0% | 1.1% | - | 2.3% | 0% | 0% | 0% | 0.9% | - | 1.5% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

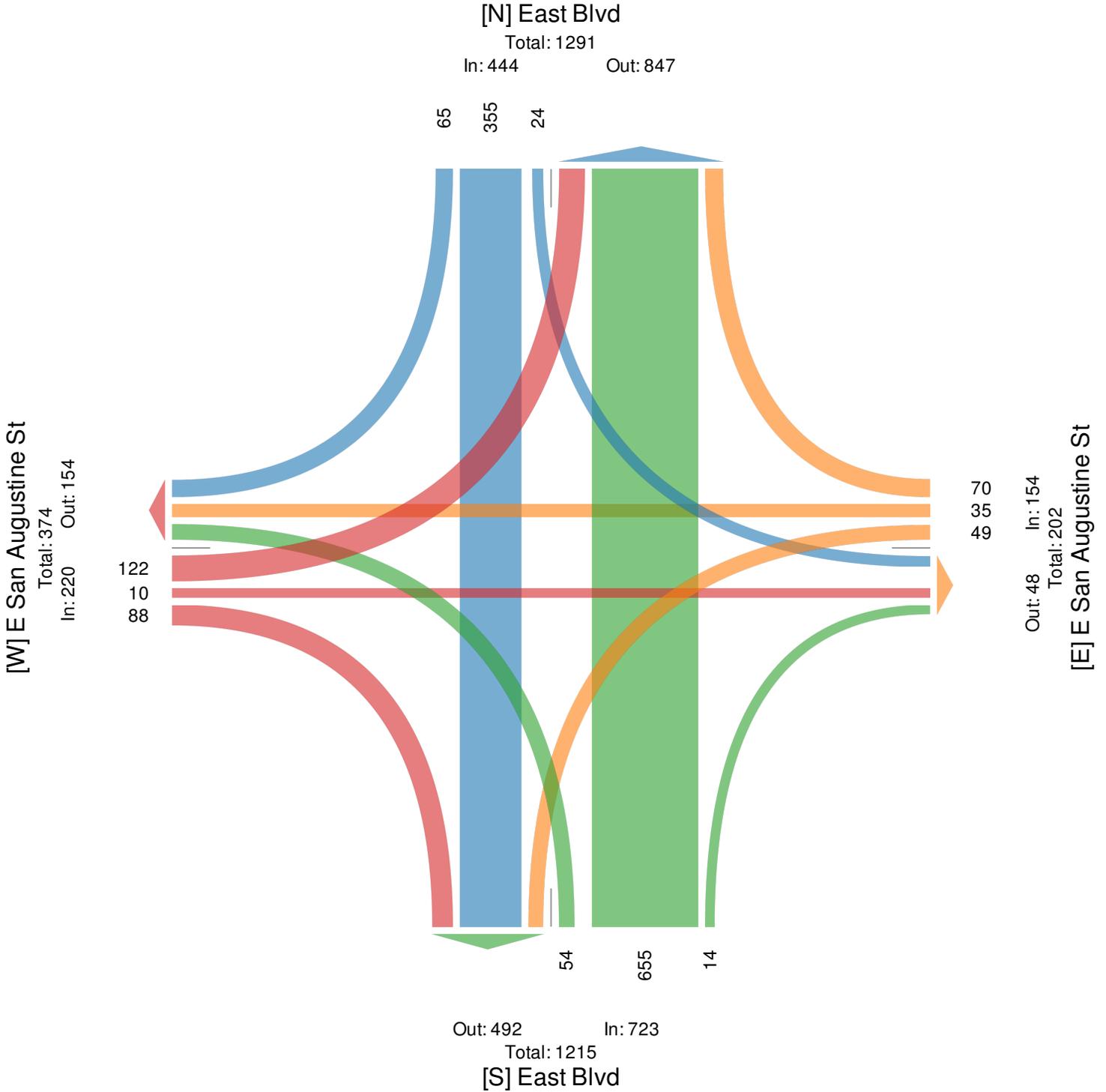
*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

East Blvd at E San Augustine St - TMC

Tue Dec 18, 2018
 AM Peak (Dec 18 2018 7AM - 8AM)
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks,
 Pedestrians)
 All Movements
 ID: 599583, Location: 29.69006, -95.098681



Provided by: C. J. Hensch & Associates Inc.
 5215 Sycamore Ave.,
 Pasadena, TX, 77503, US



East Blvd at E San Augustine St - TMC

Tue Dec 18, 2018

Midday Peak (Dec 18 2018 11:45AM - 12:45PM)

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

All Movements

ID: 599583, Location: 29.69006, -95.098681



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction Time | East Blvd Southbound | | | | | | E San Augustine St Westbound | | | | | | East Blvd Northbound | | | | | | E San Augustine St Eastbound | | | | | | Int |
|---------------------------------------|-------------------------|-------|-------|----|-------|------|---------------------------------|-------|-------|----|-------|------|-------------------------|-------|-------|-------|-------|------|---------------------------------|-------|-------|----|-------|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 11:45AM | 19 | 104 | 6 | 0 | 129 | 0 | 3 | 3 | 1 | 0 | 7 | 0 | 5 | 103 | 14 | 0 | 122 | 0 | 23 | 4 | 11 | 0 | 38 | 0 | 296 |
| 12:00PM | 7 | 123 | 0 | 0 | 130 | 0 | 4 | 4 | 4 | 0 | 12 | 0 | 5 | 97 | 17 | 0 | 119 | 0 | 29 | 5 | 17 | 0 | 51 | 0 | 312 |
| 12:15PM | 10 | 93 | 4 | 0 | 107 | 0 | 5 | 4 | 5 | 0 | 14 | 0 | 6 | 100 | 23 | 0 | 129 | 0 | 20 | 5 | 10 | 0 | 35 | 0 | 285 |
| 12:30PM | 12 | 86 | 3 | 0 | 101 | 0 | 3 | 1 | 4 | 0 | 8 | 0 | 6 | 117 | 25 | 1 | 149 | 0 | 33 | 2 | 13 | 0 | 48 | 0 | 306 |
| Total | 48 | 406 | 13 | 0 | 467 | 0 | 15 | 12 | 14 | 0 | 41 | 0 | 22 | 417 | 79 | 1 | 519 | 0 | 105 | 16 | 51 | 0 | 172 | 0 | 1199 |
| % Approach | 10.3% | 86.9% | 2.8% | 0% | - | - | 36.6% | 29.3% | 34.1% | 0% | - | - | 4.2% | 80.3% | 15.2% | 0.2% | - | - | 61.0% | 9.3% | 29.7% | 0% | - | - | - |
| % Total | 4.0% | 33.9% | 1.1% | 0% | 38.9% | - | 1.3% | 1.0% | 1.2% | 0% | 3.4% | - | 1.8% | 34.8% | 6.6% | 0.1% | 43.3% | - | 8.8% | 1.3% | 4.3% | 0% | 14.3% | - | - |
| PHF | 0.632 | 0.825 | 0.542 | - | 0.898 | - | 0.750 | 0.750 | 0.700 | - | 0.732 | - | 0.917 | 0.891 | 0.790 | 0.250 | 0.871 | - | 0.795 | 0.800 | 0.750 | - | 0.843 | - | 0.961 |
| Lights | 46 | 401 | 12 | 0 | 459 | - | 14 | 12 | 14 | 0 | 40 | - | 21 | 410 | 79 | 1 | 511 | - | 105 | 16 | 50 | 0 | 171 | - | 1181 |
| % Lights | 95.8% | 98.8% | 92.3% | 0% | 98.3% | - | 93.3% | 100% | 100% | 0% | 97.6% | - | 95.5% | 98.3% | 100% | 100% | 98.5% | - | 100% | 100% | 98.0% | 0% | 99.4% | - | 98.5% |
| Articulated Trucks | 1 | 1 | 0 | 0 | 2 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 2 | 0 | 0 | 2 | - | 0 | 0 | 0 | 0 | 0 | - | 4 |
| % Articulated Trucks | 2.1% | 0.2% | 0% | 0% | 0.4% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.5% | 0% | 0% | 0.4% | - | 0% | 0% | 0% | 0% | 0% | - | 0.3% |
| Buses and Single-Unit Trucks | 1 | 4 | 1 | 0 | 6 | - | 1 | 0 | 0 | 0 | 1 | - | 1 | 5 | 0 | 0 | 6 | - | 0 | 0 | 1 | 0 | 1 | - | 14 |
| % Buses and Single-Unit Trucks | 2.1% | 1.0% | 7.7% | 0% | 1.3% | - | 6.7% | 0% | 0% | 0% | 2.4% | - | 4.5% | 1.2% | 0% | 0% | 1.2% | - | 0% | 0% | 2.0% | 0% | 0.6% | - | 1.2% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

East Blvd at E San Augustine St - TMC

Tue Dec 18, 2018

Midday Peak (Dec 18 2018 11:45AM - 12:45PM)

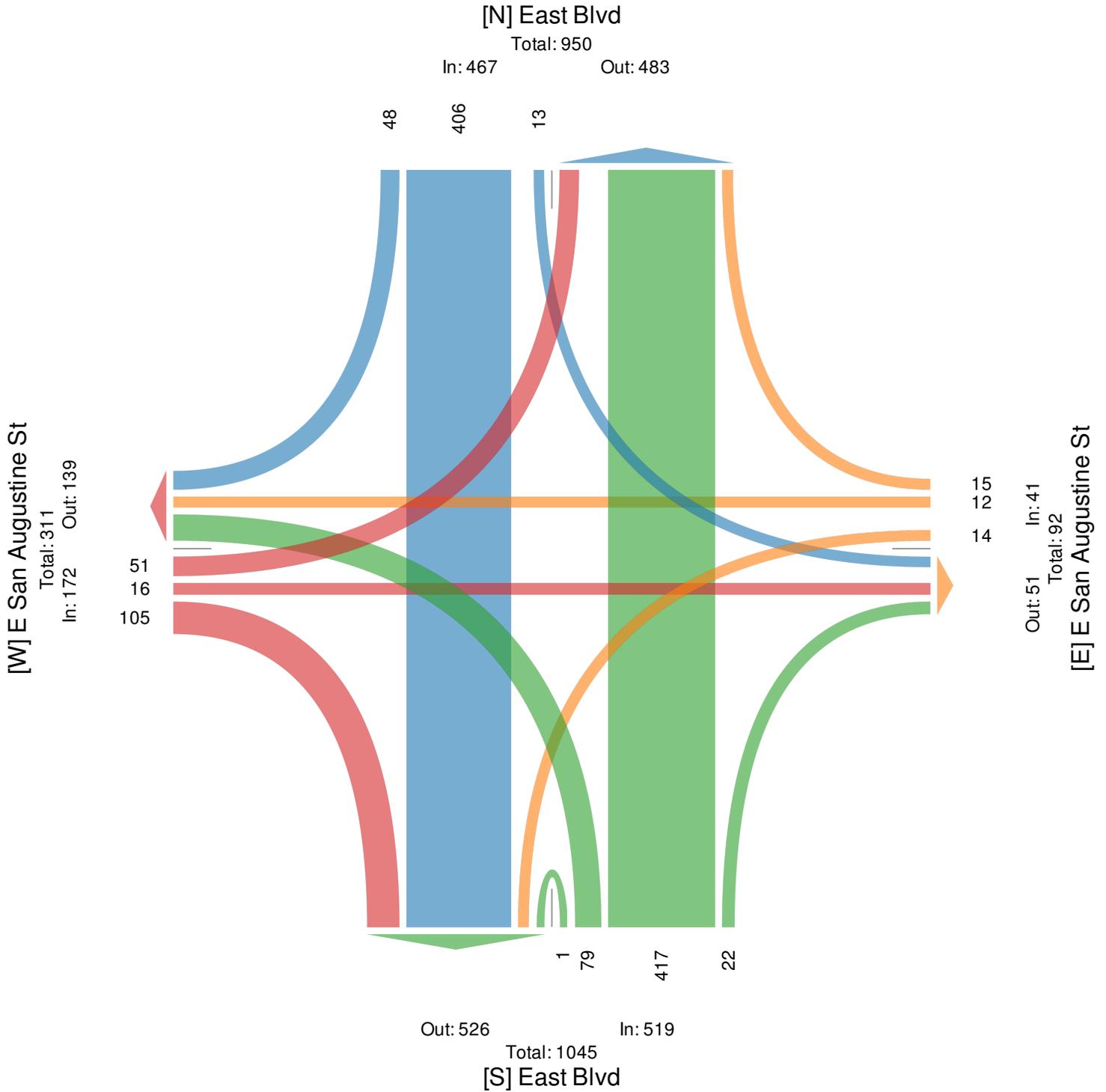
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599583, Location: 29.69006, -95.098681



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at E San Augustine St - TMC

Tue Dec 18, 2018

PM Peak (Dec 18 2018 4:30PM - 5:30PM) - Overall Peak Hour

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

All Movements

ID: 599583, Location: 29.69006, -95.098681



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E San Augustine St Westbound | | | | | | East Blvd Northbound | | | | | | E San Augustine St Eastbound | | | | | | Int |
|---------------------------------------|----------------------|-------|-------|----|-------|------|------------------------------|-------|-------|----|-------|------|----------------------|-------|-------|----|-------|------|------------------------------|-------|-------|----|-------|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 4:30PM | 39 | 211 | 11 | 0 | 261 | 0 | 4 | 6 | 16 | 0 | 26 | 0 | 6 | 114 | 24 | 0 | 144 | 0 | 37 | 4 | 16 | 0 | 57 | 0 | 488 |
| 4:45PM | 35 | 261 | 19 | 0 | 315 | 0 | 8 | 0 | 8 | 0 | 16 | 0 | 14 | 79 | 36 | 0 | 129 | 0 | 34 | 6 | 17 | 0 | 57 | 0 | 517 |
| 5:00PM | 42 | 227 | 18 | 0 | 287 | 0 | 7 | 6 | 4 | 0 | 17 | 0 | 9 | 93 | 41 | 0 | 143 | 0 | 34 | 4 | 15 | 0 | 53 | 0 | 500 |
| 5:15PM | 58 | 221 | 27 | 0 | 306 | 0 | 7 | 1 | 6 | 0 | 14 | 0 | 14 | 81 | 38 | 0 | 133 | 0 | 33 | 11 | 11 | 0 | 55 | 0 | 508 |
| Total | 174 | 920 | 75 | 0 | 1169 | 0 | 26 | 13 | 34 | 0 | 73 | 0 | 43 | 367 | 139 | 0 | 549 | 0 | 138 | 25 | 59 | 0 | 222 | 0 | 2013 |
| % Approach | 14.9% | 78.7% | 6.4% | 0% | - | - | 35.6% | 17.8% | 46.6% | 0% | - | - | 7.8% | 66.8% | 25.3% | 0% | - | - | 62.2% | 11.3% | 26.6% | 0% | - | - | - |
| % Total | 8.6% | 45.7% | 3.7% | 0% | 58.1% | - | 1.3% | 0.6% | 1.7% | 0% | 3.6% | - | 2.1% | 18.2% | 6.9% | 0% | 27.3% | - | 6.9% | 1.2% | 2.9% | 0% | 11.0% | - | - |
| PHF | 0.750 | 0.881 | 0.694 | - | 0.928 | - | 0.813 | 0.542 | 0.531 | - | 0.702 | - | 0.768 | 0.805 | 0.848 | - | 0.953 | - | 0.932 | 0.568 | 0.868 | - | 0.974 | - | 0.973 |
| Lights | 174 | 915 | 75 | 0 | 1164 | - | 25 | 13 | 32 | 0 | 70 | - | 42 | 362 | 137 | 0 | 541 | - | 136 | 25 | 58 | 0 | 219 | - | 1994 |
| % Lights | 100% | 99.5% | 100% | 0% | 99.6% | - | 96.2% | 100% | 94.1% | 0% | 95.9% | - | 97.7% | 98.6% | 98.6% | 0% | 98.5% | - | 98.6% | 100% | 98.3% | 0% | 98.6% | - | 99.1% |
| Articulated Trucks | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | - | 1 |
| % Articulated Trucks | 0% | 0% | 0% | 0% | 0% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.3% | 0% | 0% | 0.2% | - | 0% | 0% | 0% | 0% | 0% | - | 0% |
| Buses and Single-Unit Trucks | 0 | 5 | 0 | 0 | 5 | - | 1 | 0 | 2 | 0 | 3 | - | 1 | 4 | 2 | 0 | 7 | - | 2 | 0 | 1 | 0 | 3 | - | 18 |
| % Buses and Single-Unit Trucks | 0% | 0.5% | 0% | 0% | 0.4% | - | 3.8% | 0% | 5.9% | 0% | 4.1% | - | 2.3% | 1.1% | 1.4% | 0% | 1.3% | - | 1.4% | 0% | 1.7% | 0% | 1.4% | - | 0.9% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

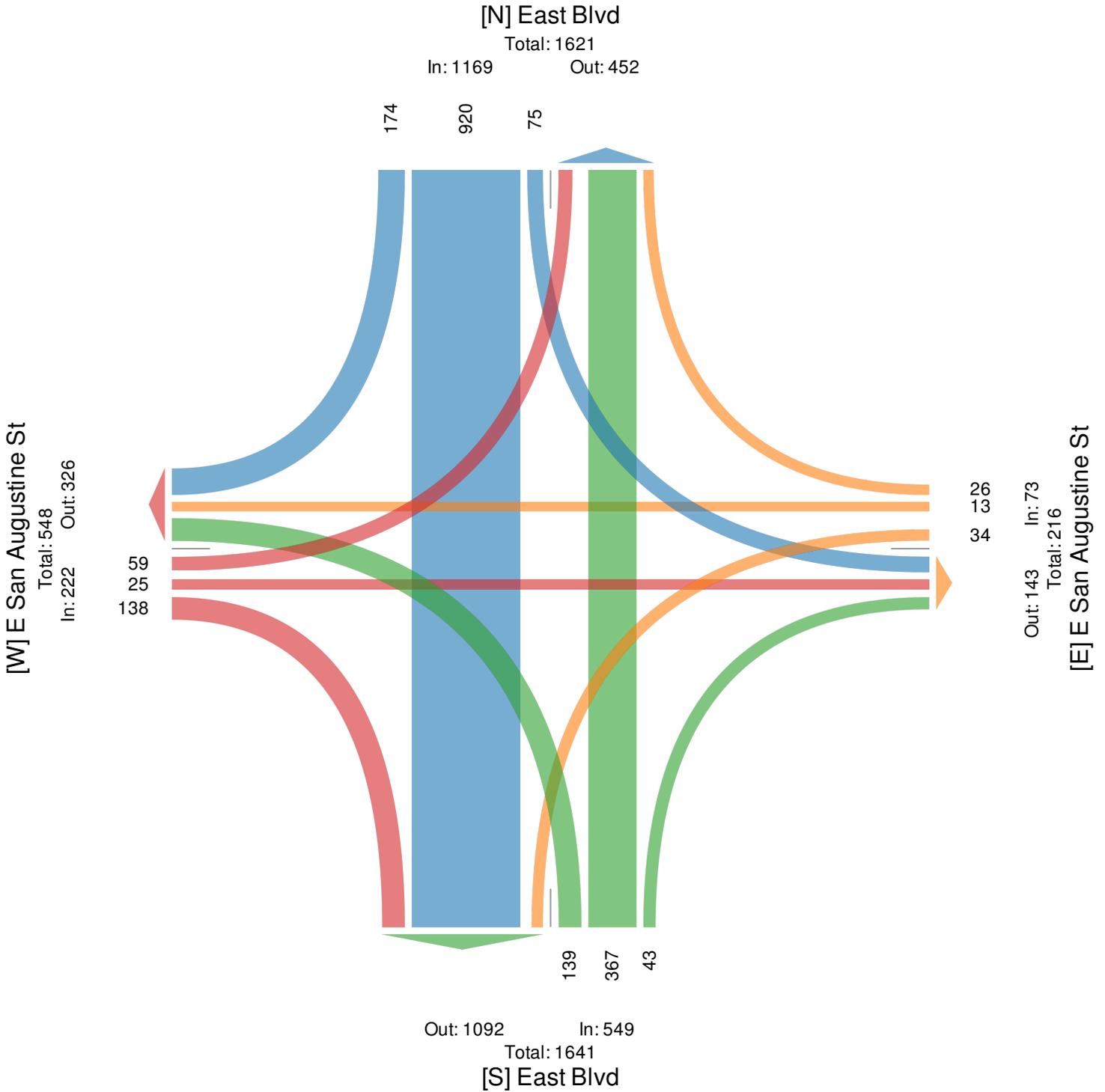
*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

East Blvd at E San Augustine St - TMC

Tue Dec 18, 2018
 PM Peak (Dec 18 2018 4:30PM - 5:30PM) - Overall Peak Hour
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks,
 Pedestrians)
 All Movements
 ID: 599583, Location: 29.69006, -95.098681



Provided by: C. J. Hensch & Associates Inc.
 5215 Sycamore Ave.,
 Pasadena, TX, 77503, US



East Blvd at E. P St - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM (+1))

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

All Movements

ID: 599584, Location: 29.684829, -95.098527



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E. P St Westbound | | | | | | East Blvd Northbound | | | | | | E. P St Eastbound | | | | | | Int |
|---------------|----------------------|-----|----|---|-----|------|-------------------|----|-----|---|-----|------|----------------------|-----|----|---|-----|------|-------------------|----|----|---|-----|------|------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 5 | 6 | 3 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 12:15AM | 0 | 5 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 6 | 3 | 0 | 13 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 21 |
| 12:30AM | 0 | 5 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 1 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 12:45AM | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 1 | 0 | 10 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 19 |
| Hourly Total | 0 | 20 | 2 | 0 | 22 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 13 | 27 | 8 | 0 | 48 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 75 |
| 1:00AM | 2 | 4 | 0 | 0 | 6 | 0 | 0 | 1 | 3 | 0 | 4 | 0 | 2 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 15 |
| 1:15AM | 2 | 4 | 1 | 0 | 7 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 6 | 2 | 0 | 8 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 21 |
| 1:30AM | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 3 | 1 | 0 | 6 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 15 |
| 1:45AM | 1 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 7 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 11 |
| Hourly Total | 5 | 15 | 1 | 0 | 21 | 0 | 0 | 1 | 7 | 0 | 8 | 0 | 5 | 17 | 3 | 0 | 25 | 0 | 3 | 1 | 4 | 0 | 8 | 0 | 62 |
| 2:00AM | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 11 |
| 2:15AM | 1 | 3 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 6 | 2 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 2:30AM | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 2:45AM | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 6 |
| Hourly Total | 2 | 9 | 0 | 0 | 11 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 1 | 13 | 4 | 0 | 18 | 0 | 2 | 0 | 2 | 0 | 4 | 0 | 36 |
| 3:00AM | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 14 |
| 3:15AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 13 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 16 |
| 3:30AM | 0 | 6 | 0 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 1 | 13 | 0 | 0 | 14 | 0 | 1 | 0 | 3 | 0 | 4 | 0 | 26 |
| 3:45AM | 2 | 11 | 0 | 0 | 13 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 2 | 0 | 1 | 0 | 3 | 0 | 29 |
| Hourly Total | 2 | 22 | 0 | 0 | 24 | 0 | 4 | 2 | 1 | 0 | 7 | 0 | 1 | 42 | 0 | 0 | 43 | 0 | 5 | 0 | 6 | 0 | 11 | 0 | 85 |
| 4:00AM | 1 | 15 | 0 | 0 | 16 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 0 | 21 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| 4:15AM | 0 | 20 | 1 | 0 | 21 | 0 | 1 | 1 | 5 | 0 | 7 | 0 | 0 | 30 | 0 | 0 | 30 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 61 |
| 4:30AM | 0 | 15 | 0 | 0 | 15 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 45 | 1 | 0 | 46 | 0 | 4 | 0 | 8 | 0 | 12 | 0 | 76 |
| 4:45AM | 2 | 19 | 3 | 0 | 24 | 0 | 4 | 1 | 5 | 0 | 10 | 0 | 0 | 49 | 1 | 0 | 50 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 89 |
| Hourly Total | 3 | 69 | 4 | 0 | 76 | 0 | 9 | 2 | 12 | 0 | 23 | 0 | 0 | 145 | 2 | 0 | 147 | 0 | 5 | 0 | 15 | 0 | 20 | 0 | 266 |
| 5:00AM | 2 | 18 | 2 | 0 | 22 | 0 | 7 | 1 | 6 | 0 | 14 | 0 | 1 | 54 | 1 | 0 | 56 | 0 | 6 | 0 | 8 | 0 | 14 | 0 | 106 |
| 5:15AM | 1 | 21 | 0 | 0 | 22 | 0 | 7 | 0 | 3 | 0 | 10 | 0 | 2 | 81 | 1 | 0 | 84 | 0 | 10 | 0 | 15 | 0 | 25 | 0 | 141 |
| 5:30AM | 1 | 39 | 0 | 0 | 40 | 0 | 8 | 0 | 4 | 0 | 12 | 0 | 2 | 103 | 1 | 1 | 107 | 0 | 7 | 0 | 12 | 0 | 19 | 0 | 178 |
| 5:45AM | 2 | 42 | 1 | 0 | 45 | 0 | 6 | 0 | 3 | 0 | 9 | 0 | 0 | 131 | 2 | 0 | 133 | 1 | 9 | 0 | 8 | 0 | 17 | 0 | 204 |
| Hourly Total | 6 | 120 | 3 | 0 | 129 | 0 | 28 | 1 | 16 | 0 | 45 | 0 | 5 | 369 | 5 | 1 | 380 | 1 | 32 | 0 | 43 | 0 | 75 | 0 | 629 |
| 6:00AM | 2 | 49 | 3 | 1 | 55 | 0 | 15 | 0 | 11 | 1 | 27 | 0 | 7 | 151 | 3 | 0 | 161 | 1 | 5 | 0 | 22 | 0 | 27 | 0 | 270 |
| 6:15AM | 2 | 66 | 2 | 0 | 70 | 0 | 5 | 2 | 9 | 0 | 16 | 0 | 1 | 113 | 3 | 0 | 117 | 0 | 11 | 0 | 21 | 0 | 32 | 0 | 235 |
| 6:30AM | 4 | 50 | 1 | 0 | 55 | 0 | 15 | 4 | 29 | 0 | 48 | 0 | 4 | 110 | 2 | 0 | 116 | 0 | 18 | 0 | 23 | 0 | 41 | 0 | 260 |
| 6:45AM | 6 | 77 | 3 | 0 | 86 | 0 | 16 | 0 | 21 | 0 | 37 | 0 | 5 | 118 | 9 | 0 | 132 | 0 | 23 | 1 | 30 | 0 | 54 | 0 | 309 |
| Hourly Total | 14 | 242 | 9 | 1 | 266 | 0 | 51 | 6 | 70 | 1 | 128 | 0 | 17 | 492 | 17 | 0 | 526 | 1 | 57 | 1 | 96 | 0 | 154 | 0 | 1074 |
| 7:00AM | 2 | 82 | 3 | 0 | 87 | 0 | 17 | 6 | 25 | 0 | 48 | 0 | 5 | 126 | 11 | 0 | 142 | 0 | 20 | 0 | 28 | 0 | 48 | 0 | 325 |
| 7:15AM | 12 | 127 | 3 | 0 | 142 | 0 | 19 | 9 | 38 | 0 | 66 | 0 | 11 | 164 | 12 | 0 | 187 | 0 | 32 | 1 | 23 | 0 | 56 | 0 | 451 |
| 7:30AM | 8 | 119 | 8 | 1 | 136 | 0 | 13 | 6 | 34 | 0 | 53 | 0 | 8 | 130 | 21 | 0 | 159 | 0 | 24 | 5 | 22 | 0 | 51 | 0 | 399 |
| 7:45AM | 6 | 120 | 6 | 0 | 132 | 0 | 17 | 5 | 25 | 0 | 47 | 0 | 17 | 145 | 6 | 0 | 168 | 0 | 35 | 1 | 8 | 0 | 44 | 0 | 391 |
| Hourly Total | 28 | 448 | 20 | 1 | 497 | 0 | 66 | 26 | 122 | 0 | 214 | 0 | 41 | 565 | 50 | 0 | 656 | 0 | 111 | 7 | 81 | 0 | 199 | 0 | 1566 |
| 8:00AM | 5 | 94 | 7 | 0 | 106 | 0 | 14 | 2 | 16 | 0 | 32 | 0 | 11 | 125 | 14 | 0 | 150 | 0 | 13 | 2 | 10 | 0 | 25 | 0 | 313 |
| 8:15AM | 5 | 79 | 8 | 0 | 92 | 0 | 12 | 8 | 11 | 0 | 31 | 0 | 10 | 94 | 13 | 1 | 118 | 0 | 15 | 2 | 6 | 0 | 23 | 0 | 264 |
| 8:30AM | 4 | 78 | 3 | 0 | 85 | 0 | 7 | 5 | 10 | 0 | 22 | 0 | 6 | 81 | 3 | 0 | 90 | 0 | 9 | 3 | 4 | 0 | 16 | 0 | 213 |
| 8:45AM | 3 | 80 | 5 | 0 | 88 | 0 | 11 | 4 | 13 | 0 | 28 | 1 | 3 | 76 | 6 | 0 | 85 | 0 | 6 | 4 | 5 | 0 | 15 | 2 | 216 |
| Hourly Total | 17 | 331 | 23 | 0 | 371 | 0 | 44 | 19 | 50 | 0 | 113 | 1 | 30 | 376 | 36 | 1 | 443 | 0 | 43 | 11 | 25 | 0 | 79 | 2 | 1006 |
| 9:00AM | 2 | 74 | 1 | 0 | 77 | 0 | 3 | 1 | 8 | 0 | 12 | 0 | 5 | 67 | 8 | 0 | 80 | 0 | 11 | 1 | 4 | 0 | 16 | 0 | 185 |
| 9:15AM | 3 | 57 | 3 | 0 | 63 | 0 | 5 | 1 | 18 | 0 | 24 | 0 | 6 | 76 | 4 | 0 | 86 | 0 | 14 | 2 | 7 | 0 | 23 | 1 | 196 |
| 9:30AM | 5 | 68 | 1 | 0 | 74 | 0 | 3 | 0 | 10 | 0 | 13 | 1 | 10 | 65 | 14 | 0 | 89 | 0 | 10 | 2 | 4 | 0 | 16 | 0 | 192 |
| 9:45AM | 5 | 73 | 5 | 0 | 83 | 0 | 7 | 2 | 12 | 0 | 21 | 0 | 5 | 63 | 3 | 0 | 71 | 0 | 13 | 1 | 2 | 0 | 16 | 0 | 191 |
| Hourly Total | 15 | 272 | 10 | 0 | 297 | 0 | 18 | 4 | 48 | 0 | 70 | 1 | 26 | 271 | 29 | 0 | 326 | 0 | 48 | 6 | 17 | 0 | 71 | 1 | 764 |
| 10:00AM | 2 | 69 | 5 | 0 | 76 | 0 | 4 | 2 | 8 | 0 | 14 | 0 | 4 | 64 | 10 | 0 | 78 | 0 | 14 | 0 | 4 | 0 | 18 | 0 | 186 |
| 10:15AM | 5 | 77 | 0 | 0 | 82 | 0 | 1 | 5 | 9 | 0 | 15 | 0 | 8 | 72 | 11 | 0 | 91 | 0 | 9 | 1 | 7 | 0 | 17 | 0 | 205 |
| 10:30AM | 1 | 98 | 1 | 0 | 100 | 0 | 2 | 0 | 6 | 0 | 8 | 0 | 7 | 80 | 8 | 0 | 95 | 0 | 12 | 4 | 7 | 0 | 23 | 0 | 226 |
| 10:45AM | 5 | 85 | 2 | 0 | 92 | 0 | 6 | 3 | 13 | 0 | 22 | 0 | 7 | 92 | 12 | 0 | 111 | 0 | 8 | 0 | 3 | 0 | 11 | 0 | 236 |
| Hourly Total | 13 | 329 | 8 | 0 | 350 | 0 | 13 | 10 | 36 | 0 | 59 | 0 | 26 | 308 | 41 | 0 | 375 | 0 | 43 | 5 | 21 | 0 | 69 | 0 | 853 |
| 11:00AM | 6 | 117 | 0 | 0 | 123 | 0 | 5 | 2 | 6 | 0 | 13 | 0 | 7 | 91 | 15 | 0 | 113 | 0 | 7 | 1 | 7 | 0 | 15 | 0 | 264 |
| 11:15AM | 8 | 141 | 5 | 0 | 154 | 0 | 3 | 4 | 10 | 0 | 17 | 0 | 8 | 88 | 14 | 0 | 110 | 0 | 9 | 1 | 4 | 0 | 14 | 0 | 295 |
| 11:30AM | 5 | 117 | 2 | 0 | 124 | 0 | 3 | 1 | 5 | 0 | 9 | 0 | 5 | 87 | 16 | 0 | 108 | 0 | 13 | 3 | 6 | 0 | 22 | 0 | 263 |
| 11:45AM | 6 | 118 | 3 | 0 | 127 | 0 | 8 | 3 | 12 | 0 | 23 | 0 | 11 | 114 | 7 | 0 | 132 | 0 | 18 | 5 | 4 | 0 | 27 | 0 | 309 |
| Hourly Total | 25 | 493 | 10 | 0 | 528 | 0 | 19 | 10 | 33 | 0 | 62 | 0 | 31 | 380 | 52 | 0 | 463 | 0 | 47 | 10 | 21 | 0 | 78 | 0 | 1131 |
| 12:00PM | 7 | 144 | 5 | 0 | 156 | 0 | 2 | 2 | 14 | 0 | 18 | 0 | 8 | 106 | 14 | 0 | 128 | 0 | 13 | 2 | 6 | 0 | 21 | 0 | 323 |
| 12:15PM | 9 | 114 | 5 | 0 | 128 | 0 | 3 | 3 | 7 | 0 | 13 | 0 | 11 | 123 | 11 | 0 | 145 | 0 | 11 | 3 | 6 | 0 | 20 | 0 | 306 |
| 12:30PM | 5 | 112 | 6 | 0 | 123 | 0 | 4 | 2 | 9 | 0 | 15 | 0 | 12 | 143 | 11 | 0 | 166 | 0 | 13 | 1 | 7 | 0 | 21 | 0 | 325 |
| 12:45PM | 4 | 89 | 0 | 0 | 93 | 0 | 3 | 0 | 17 | 0 | 20 | 0 | 13 | 116 | 9 | 0 | 138 | 0 | 25 | 4 | 9 | | | | |

| Leg Direction | East Blvd Southbound | | | | | E.P St Westbound | | | | | East Blvd Northbound | | | | | E. P St Eastbound | | | | | Int | | | | |
|--------------------|----------------------|-------|-------|------|----------|------------------|-------|-------|-------|----------|----------------------|---|-------|-------|----------|-------------------|-------|---|-------|----------|-------|----|-------|---|-------|
| | R | T | L | U | App Ped* | R | T | L | U | App Ped* | R | T | L | U | App Ped* | R | T | L | U | App Ped* | | | | | |
| 1:45PM | 6 | 106 | 2 | 0 | 114 | 0 | 4 | 2 | 14 | 0 | 20 | 0 | 7 | 122 | 11 | 0 | 140 | 0 | 9 | 2 | 6 | 0 | 17 | 0 | 291 |
| Hourly Total | 17 | 413 | 15 | 0 | 445 | 0 | 19 | 5 | 42 | 0 | 66 | 0 | 34 | 445 | 48 | 0 | 527 | 0 | 59 | 5 | 15 | 0 | 79 | 0 | 1117 |
| 2:00PM | 5 | 94 | 5 | 0 | 104 | 0 | 4 | 1 | 9 | 0 | 14 | 0 | 14 | 103 | 10 | 0 | 127 | 0 | 14 | 0 | 3 | 0 | 17 | 0 | 262 |
| 2:15PM | 6 | 89 | 2 | 0 | 97 | 0 | 3 | 2 | 7 | 0 | 12 | 0 | 13 | 84 | 20 | 0 | 117 | 0 | 20 | 2 | 3 | 0 | 25 | 0 | 251 |
| 2:30PM | 11 | 101 | 5 | 0 | 117 | 0 | 5 | 3 | 14 | 0 | 22 | 0 | 11 | 112 | 13 | 0 | 136 | 0 | 12 | 1 | 3 | 0 | 16 | 0 | 291 |
| 2:45PM | 7 | 107 | 3 | 0 | 117 | 0 | 4 | 3 | 9 | 0 | 16 | 0 | 11 | 107 | 21 | 0 | 139 | 0 | 18 | 2 | 4 | 0 | 24 | 0 | 296 |
| Hourly Total | 29 | 391 | 15 | 0 | 435 | 0 | 16 | 9 | 39 | 0 | 64 | 0 | 49 | 406 | 64 | 0 | 519 | 0 | 64 | 5 | 13 | 0 | 82 | 0 | 1100 |
| 3:00PM | 10 | 136 | 8 | 0 | 154 | 0 | 2 | 3 | 13 | 0 | 18 | 0 | 11 | 112 | 13 | 0 | 136 | 0 | 23 | 7 | 8 | 0 | 38 | 0 | 346 |
| 3:15PM | 9 | 138 | 4 | 0 | 151 | 0 | 3 | 4 | 14 | 0 | 21 | 0 | 23 | 110 | 19 | 0 | 152 | 0 | 10 | 3 | 9 | 0 | 22 | 0 | 346 |
| 3:30PM | 9 | 148 | 14 | 0 | 171 | 0 | 6 | 3 | 15 | 0 | 24 | 0 | 20 | 112 | 13 | 0 | 145 | 0 | 21 | 4 | 3 | 0 | 28 | 0 | 368 |
| 3:45PM | 18 | 169 | 5 | 0 | 192 | 0 | 7 | 2 | 17 | 0 | 26 | 0 | 35 | 116 | 40 | 0 | 191 | 0 | 13 | 4 | 8 | 0 | 25 | 0 | 434 |
| Hourly Total | 46 | 591 | 31 | 0 | 668 | 0 | 18 | 12 | 59 | 0 | 89 | 0 | 89 | 450 | 85 | 0 | 624 | 0 | 67 | 18 | 28 | 0 | 113 | 0 | 1494 |
| 4:00PM | 14 | 203 | 10 | 0 | 227 | 0 | 8 | 3 | 14 | 0 | 25 | 0 | 29 | 117 | 23 | 0 | 169 | 0 | 25 | 6 | 6 | 0 | 37 | 0 | 458 |
| 4:15PM | 16 | 222 | 12 | 0 | 250 | 0 | 8 | 5 | 20 | 0 | 33 | 0 | 27 | 126 | 35 | 0 | 188 | 0 | 37 | 9 | 8 | 0 | 54 | 0 | 525 |
| 4:30PM | 17 | 221 | 11 | 0 | 249 | 0 | 4 | 7 | 17 | 0 | 28 | 0 | 23 | 117 | 35 | 0 | 175 | 0 | 30 | 4 | 14 | 0 | 48 | 0 | 500 |
| 4:45PM | 29 | 260 | 20 | 0 | 309 | 0 | 7 | 13 | 14 | 0 | 34 | 0 | 26 | 124 | 19 | 1 | 170 | 0 | 18 | 1 | 4 | 0 | 23 | 0 | 536 |
| Hourly Total | 76 | 906 | 53 | 0 | 1035 | 0 | 27 | 28 | 65 | 0 | 120 | 0 | 105 | 484 | 112 | 1 | 702 | 0 | 110 | 20 | 32 | 0 | 162 | 0 | 2019 |
| 5:00PM | 24 | 230 | 15 | 0 | 269 | 0 | 7 | 4 | 20 | 0 | 31 | 0 | 20 | 113 | 44 | 0 | 177 | 0 | 22 | 9 | 10 | 0 | 41 | 1 | 518 |
| 5:15PM | 29 | 226 | 8 | 0 | 263 | 0 | 5 | 4 | 8 | 0 | 17 | 0 | 26 | 132 | 35 | 0 | 193 | 0 | 25 | 3 | 5 | 0 | 33 | 0 | 506 |
| 5:30PM | 20 | 200 | 9 | 1 | 230 | 0 | 5 | 9 | 24 | 0 | 38 | 0 | 25 | 98 | 23 | 0 | 146 | 0 | 23 | 2 | 5 | 0 | 30 | 0 | 444 |
| 5:45PM | 26 | 221 | 18 | 0 | 265 | 0 | 4 | 4 | 20 | 0 | 28 | 0 | 34 | 112 | 33 | 0 | 179 | 0 | 28 | 13 | 5 | 0 | 46 | 0 | 518 |
| Hourly Total | 99 | 877 | 50 | 1 | 1027 | 0 | 21 | 21 | 72 | 0 | 114 | 0 | 105 | 455 | 135 | 0 | 695 | 0 | 98 | 27 | 25 | 0 | 150 | 1 | 1986 |
| 6:00PM | 13 | 133 | 7 | 0 | 153 | 0 | 5 | 0 | 19 | 0 | 24 | 0 | 37 | 105 | 36 | 0 | 178 | 0 | 12 | 5 | 6 | 0 | 23 | 0 | 378 |
| 6:15PM | 9 | 152 | 7 | 0 | 168 | 0 | 7 | 3 | 18 | 0 | 28 | 0 | 41 | 101 | 25 | 0 | 167 | 0 | 27 | 2 | 6 | 0 | 35 | 0 | 398 |
| 6:30PM | 11 | 115 | 6 | 0 | 132 | 0 | 6 | 6 | 14 | 0 | 26 | 0 | 28 | 107 | 23 | 0 | 158 | 0 | 20 | 4 | 3 | 0 | 27 | 0 | 343 |
| 6:45PM | 8 | 113 | 9 | 0 | 130 | 0 | 9 | 5 | 17 | 0 | 31 | 0 | 21 | 96 | 20 | 0 | 137 | 0 | 14 | 2 | 3 | 0 | 19 | 0 | 317 |
| Hourly Total | 41 | 513 | 29 | 0 | 583 | 0 | 27 | 14 | 68 | 0 | 109 | 0 | 127 | 409 | 104 | 0 | 640 | 0 | 73 | 13 | 18 | 0 | 104 | 0 | 1436 |
| 7:00PM | 8 | 107 | 6 | 0 | 121 | 0 | 5 | 5 | 14 | 0 | 24 | 0 | 21 | 101 | 24 | 0 | 146 | 0 | 16 | 3 | 1 | 0 | 20 | 0 | 311 |
| 7:15PM | 5 | 97 | 8 | 0 | 110 | 0 | 5 | 1 | 12 | 0 | 18 | 0 | 21 | 97 | 20 | 0 | 138 | 0 | 14 | 4 | 1 | 0 | 19 | 0 | 285 |
| 7:30PM | 10 | 68 | 7 | 0 | 85 | 0 | 4 | 3 | 15 | 0 | 22 | 0 | 20 | 70 | 9 | 0 | 99 | 0 | 11 | 2 | 3 | 0 | 16 | 0 | 222 |
| 7:45PM | 5 | 68 | 8 | 0 | 81 | 0 | 5 | 0 | 12 | 0 | 17 | 0 | 27 | 94 | 20 | 0 | 141 | 0 | 12 | 5 | 3 | 0 | 20 | 0 | 259 |
| Hourly Total | 28 | 340 | 29 | 0 | 397 | 0 | 19 | 9 | 53 | 0 | 81 | 0 | 89 | 362 | 73 | 0 | 524 | 0 | 53 | 14 | 8 | 0 | 75 | 0 | 1077 |
| 8:00PM | 6 | 58 | 5 | 0 | 69 | 1 | 3 | 4 | 6 | 0 | 13 | 0 | 25 | 84 | 19 | 0 | 128 | 0 | 13 | 3 | 5 | 0 | 21 | 0 | 231 |
| 8:15PM | 5 | 58 | 3 | 1 | 67 | 0 | 6 | 1 | 11 | 0 | 18 | 0 | 20 | 70 | 20 | 0 | 110 | 0 | 17 | 4 | 4 | 0 | 25 | 0 | 220 |
| 8:30PM | 5 | 53 | 7 | 0 | 65 | 0 | 2 | 5 | 7 | 0 | 14 | 0 | 16 | 47 | 12 | 0 | 75 | 0 | 4 | 2 | 6 | 0 | 12 | 0 | 166 |
| 8:45PM | 5 | 67 | 4 | 0 | 76 | 0 | 1 | 1 | 3 | 0 | 5 | 0 | 13 | 68 | 18 | 0 | 99 | 0 | 16 | 4 | 2 | 0 | 22 | 0 | 202 |
| Hourly Total | 21 | 236 | 19 | 1 | 277 | 1 | 12 | 11 | 27 | 0 | 50 | 0 | 74 | 269 | 69 | 0 | 412 | 0 | 50 | 13 | 17 | 0 | 80 | 0 | 819 |
| 9:00PM | 4 | 52 | 1 | 0 | 57 | 0 | 1 | 2 | 7 | 0 | 10 | 0 | 16 | 49 | 14 | 0 | 79 | 0 | 12 | 4 | 2 | 0 | 18 | 0 | 164 |
| 9:15PM | 2 | 40 | 3 | 0 | 45 | 0 | 2 | 5 | 8 | 0 | 15 | 0 | 19 | 79 | 12 | 0 | 110 | 0 | 9 | 1 | 1 | 0 | 11 | 0 | 181 |
| 9:30PM | 3 | 31 | 4 | 0 | 38 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 9 | 44 | 17 | 0 | 70 | 0 | 5 | 4 | 2 | 0 | 11 | 0 | 125 |
| 9:45PM | 3 | 29 | 3 | 0 | 35 | 0 | 1 | 1 | 6 | 0 | 8 | 0 | 7 | 52 | 4 | 0 | 63 | 0 | 3 | 0 | 2 | 0 | 5 | 0 | 111 |
| Hourly Total | 12 | 152 | 11 | 0 | 175 | 0 | 4 | 8 | 27 | 0 | 39 | 0 | 51 | 224 | 47 | 0 | 322 | 0 | 29 | 9 | 7 | 0 | 45 | 0 | 581 |
| 10:00PM | 0 | 28 | 2 | 0 | 30 | 0 | 1 | 0 | 7 | 0 | 8 | 0 | 9 | 39 | 7 | 0 | 55 | 0 | 7 | 3 | 1 | 0 | 11 | 0 | 104 |
| 10:15PM | 1 | 25 | 3 | 0 | 29 | 0 | 3 | 0 | 6 | 0 | 9 | 0 | 10 | 29 | 4 | 0 | 43 | 0 | 3 | 0 | 4 | 0 | 7 | 0 | 88 |
| 10:30PM | 5 | 18 | 4 | 0 | 27 | 0 | 3 | 0 | 2 | 0 | 5 | 0 | 8 | 26 | 5 | 0 | 39 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 73 |
| 10:45PM | 1 | 19 | 5 | 0 | 25 | 0 | 1 | 0 | 3 | 0 | 4 | 0 | 6 | 23 | 6 | 0 | 35 | 0 | 1 | 0 | 3 | 0 | 4 | 0 | 68 |
| Hourly Total | 7 | 90 | 14 | 0 | 111 | 0 | 8 | 0 | 18 | 0 | 26 | 0 | 33 | 117 | 22 | 0 | 172 | 0 | 12 | 4 | 8 | 0 | 24 | 0 | 333 |
| 11:00PM | 2 | 23 | 1 | 0 | 26 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 4 | 16 | 4 | 0 | 24 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 53 |
| 11:15PM | 2 | 15 | 1 | 0 | 18 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 18 | 5 | 0 | 24 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 44 |
| 11:30PM | 2 | 12 | 2 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 | 3 | 0 | 19 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 37 |
| 11:45PM | 0 | 8 | 1 | 0 | 9 | 0 | 1 | 1 | 1 | 0 | 3 | 0 | 1 | 13 | 8 | 0 | 22 | 0 | 2 | 1 | 1 | 0 | 4 | 0 | 38 |
| Hourly Total | 6 | 58 | 5 | 0 | 69 | 0 | 1 | 1 | 4 | 0 | 6 | 0 | 11 | 58 | 20 | 0 | 89 | 0 | 5 | 1 | 2 | 0 | 8 | 0 | 172 |
| Total | 537 | 7396 | 377 | 4 | 8314 | 1 | 436 | 206 | 921 | 1 | 1564 | 2 | 1007 | 7172 | 1071 | 3 | 9253 | 2 | 1079 | 180 | 534 | 0 | 1793 | 4 | 20924 |
| % Approach | 6.5% | 89.0% | 4.5% | 0% | - | - | 27.9% | 13.2% | 58.9% | 0.1% | - | - | 10.9% | 77.5% | 11.6% | 0% | - | - | 60.2% | 10.0% | 29.8% | 0% | - | - | - |
| % Total Lights | 2.6% | 35.3% | 1.8% | 0% | 39.7% | - | 2.1% | 1.0% | 4.4% | 0% | 7.5% | - | 4.8% | 34.3% | 5.1% | 0% | 44.2% | - | 5.2% | 0.9% | 2.6% | 0% | 8.6% | - | - |
| % Lights | 531 | 7262 | 375 | 4 | 8172 | - | 432 | 204 | 917 | 1 | 1554 | - | 1000 | 7060 | 1066 | 3 | 9129 | - | 1070 | 179 | 527 | 0 | 1776 | - | 20631 |
| % Lights | 98.9% | 98.2% | 99.5% | 100% | 98.3% | - | 99.1% | 99.0% | 99.6% | 100% | 99.4% | - | 99.3% | 98.4% | 99.5% | 100% | 98.7% | - | 99.2% | 99.4% | 98.7% | 0% | 99.1% | - | 98.6% |
| Articulated Trucks | 0 | 29 | 0 | 0 | 29 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 18 | 0 | 0 | 18 | - | 1 | 0 | 1 | 0 | 2 | - | 49 |

East Blvd at E. P St - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM (+1))

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

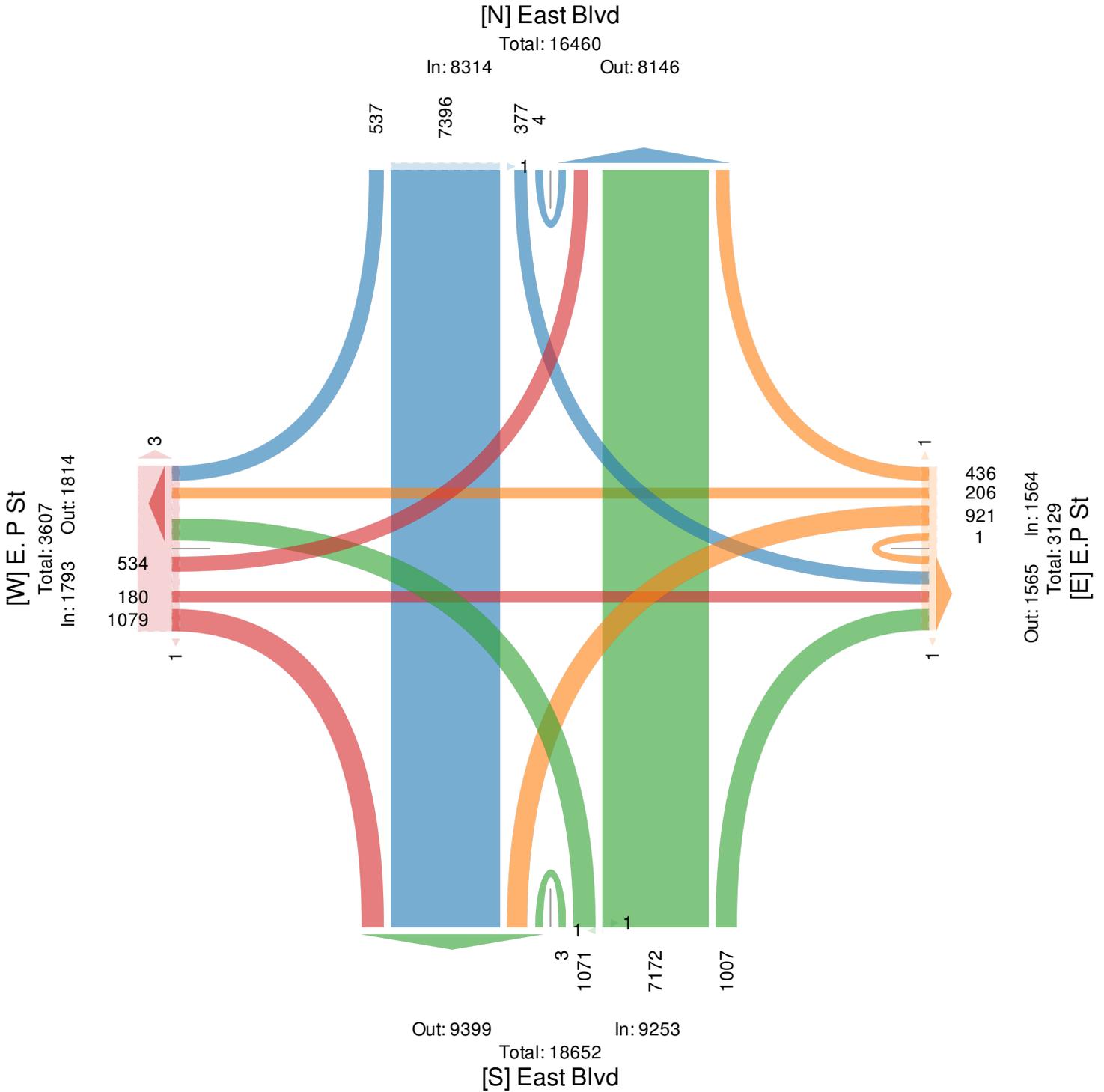
All Movements

ID: 599584, Location: 29.684829, -95.098527



Provided by: C. J. Hensch & Associates Inc.

5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at E. P St - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7AM - 8AM)

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

All Movements

ID: 599584, Location: 29.684829, -95.098527



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E.P St Westbound | | | | | | East Blvd Northbound | | | | | | E. P St Eastbound | | | | | | Int |
|---------------------------------------|----------------------|-------|-------|-------|-------|------|------------------|-------|-------|----|-------|------|----------------------|-------|-------|----|-------|------|-------------------|-------|-------|----|-------|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7:00AM | 2 | 82 | 3 | 0 | 87 | 0 | 17 | 6 | 25 | 0 | 48 | 0 | 5 | 126 | 11 | 0 | 142 | 0 | 20 | 0 | 28 | 0 | 48 | 0 | 325 |
| 7:15AM | 12 | 127 | 3 | 0 | 142 | 0 | 19 | 9 | 38 | 0 | 66 | 0 | 11 | 164 | 12 | 0 | 187 | 0 | 32 | 1 | 23 | 0 | 56 | 0 | 451 |
| 7:30AM | 8 | 119 | 8 | 1 | 136 | 0 | 13 | 6 | 34 | 0 | 53 | 0 | 8 | 130 | 21 | 0 | 159 | 0 | 24 | 5 | 22 | 0 | 51 | 0 | 399 |
| 7:45AM | 6 | 120 | 6 | 0 | 132 | 0 | 17 | 5 | 25 | 0 | 47 | 0 | 17 | 145 | 6 | 0 | 168 | 0 | 35 | 1 | 8 | 0 | 44 | 0 | 391 |
| Total | 28 | 448 | 20 | 1 | 497 | 0 | 66 | 26 | 122 | 0 | 214 | 0 | 41 | 565 | 50 | 0 | 656 | 0 | 111 | 7 | 81 | 0 | 199 | 0 | 1566 |
| % Approach | 5.6% | 90.1% | 4.0% | 0.2% | - | - | 30.8% | 12.1% | 57.0% | 0% | - | - | 6.3% | 86.1% | 7.6% | 0% | - | - | 55.8% | 3.5% | 40.7% | 0% | - | - | - |
| % Total | 1.8% | 28.6% | 1.3% | 0.1% | 31.7% | - | 4.2% | 1.7% | 7.8% | 0% | 13.7% | - | 2.6% | 36.1% | 3.2% | 0% | 41.9% | - | 7.1% | 0.4% | 5.2% | 0% | 12.7% | - | - |
| PHF | 0.583 | 0.882 | 0.625 | 0.250 | 0.875 | - | 0.868 | 0.722 | 0.803 | - | 0.811 | - | 0.603 | 0.861 | 0.595 | - | 0.877 | - | 0.793 | 0.350 | 0.723 | - | 0.888 | - | 0.868 |
| Lights | 27 | 436 | 20 | 1 | 484 | - | 66 | 26 | 121 | 0 | 213 | - | 40 | 556 | 49 | 0 | 645 | - | 110 | 7 | 81 | 0 | 198 | - | 1540 |
| % Lights | 96.4% | 97.3% | 100% | 100% | 97.4% | - | 100% | 100% | 99.2% | 0% | 99.5% | - | 97.6% | 98.4% | 98.0% | 0% | 98.3% | - | 99.1% | 100% | 100% | 0% | 99.5% | - | 98.3% |
| Articulate d Trucks | 0 | 2 | 0 | 0 | 2 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | - | 3 |
| % Articulate d Trucks | 0% | 0.4% | 0% | 0% | 0.4% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.2% | 0% | 0% | 0.2% | - | 0% | 0% | 0% | 0% | 0% | - | 0.2% |
| Buses and Single-Unit Trucks | 1 | 10 | 0 | 0 | 11 | - | 0 | 0 | 1 | 0 | 1 | - | 1 | 8 | 1 | 0 | 10 | - | 1 | 0 | 0 | 0 | 1 | - | 23 |
| % Buses and Single-Unit Trucks | 3.6% | 2.2% | 0% | 0% | 2.2% | - | 0% | 0% | 0.8% | 0% | 0.5% | - | 2.4% | 1.4% | 2.0% | 0% | 1.5% | - | 0.9% | 0% | 0% | 0% | 0.5% | - | 1.5% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pe destrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

East Blvd at E. P St - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7AM - 8AM)

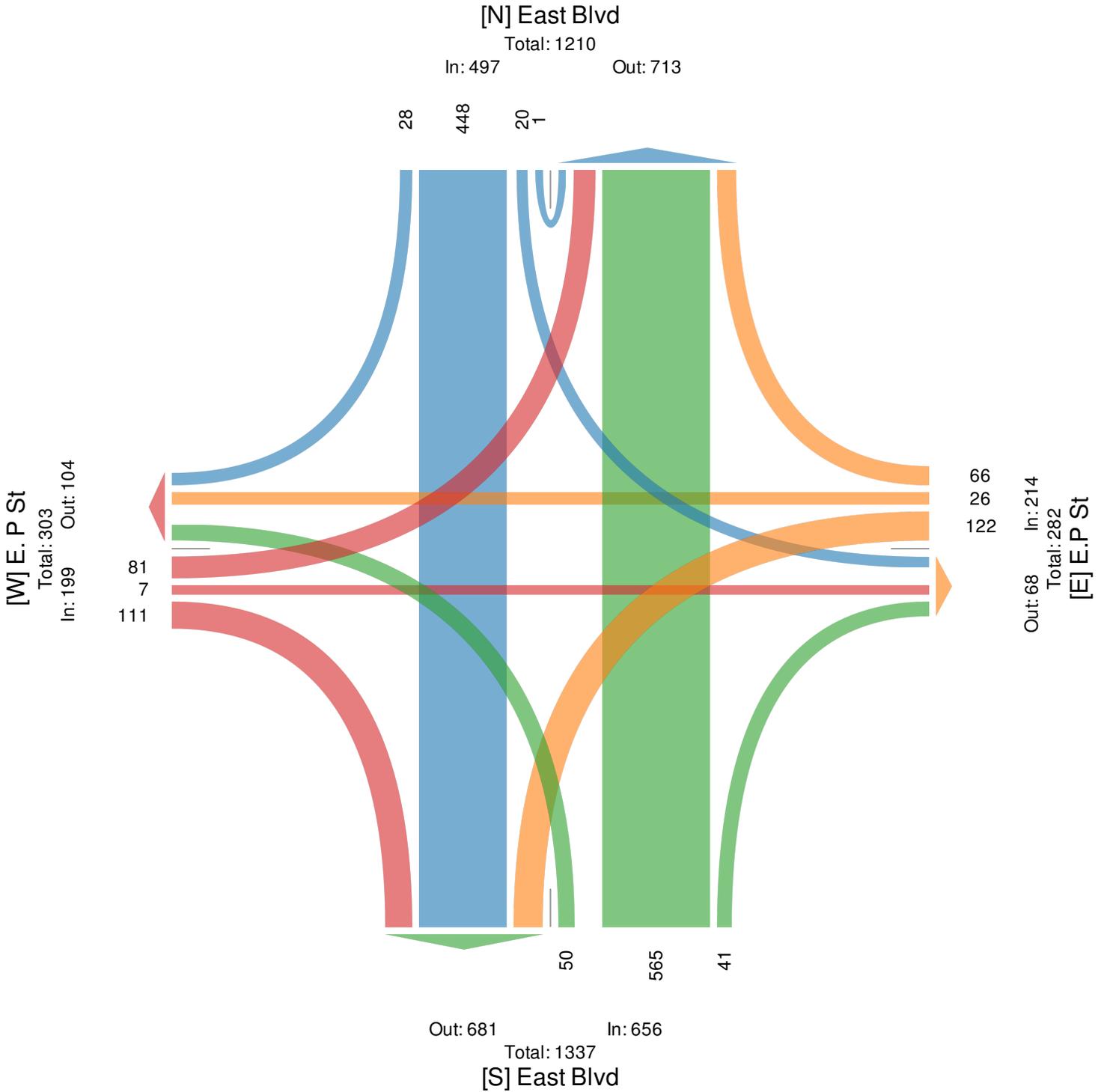
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599584, Location: 29.684829, -95.098527



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at E. P St - TMC

Tue Dec 18, 2018

Middy Peak (Dec 18 2018 11:45AM - 12:45PM)

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

All Movements

ID: 599584, Location: 29.684829, -95.098527



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | E. P St Westbound | | | | | East Blvd Northbound | | | | | E. P St Eastbound | | | | | Int | | | | |
|---------------------------------------|----------------------|-------|-------|----|----------|-------------------|-------|-------|-------|----------|----------------------|---|-------|-------|----------|-------------------|-------|---|-------|----------|-------|----|-------|---|-------|
| | R | T | L | U | App Ped* | R | T | L | U | App Ped* | R | T | L | U | App Ped* | R | T | L | U | App Ped* | | | | | |
| 2018-12-18 11:45AM | 6 | 118 | 3 | 0 | 127 | 0 | 8 | 3 | 12 | 0 | 23 | 0 | 11 | 114 | 7 | 0 | 132 | 0 | 18 | 5 | 4 | 0 | 27 | 0 | 309 |
| 12:00PM | 7 | 144 | 5 | 0 | 156 | 0 | 2 | 2 | 14 | 0 | 18 | 0 | 8 | 106 | 14 | 0 | 128 | 0 | 13 | 2 | 6 | 0 | 21 | 0 | 323 |
| 12:15PM | 9 | 114 | 5 | 0 | 128 | 0 | 3 | 3 | 7 | 0 | 13 | 0 | 11 | 123 | 11 | 0 | 145 | 0 | 11 | 3 | 6 | 0 | 20 | 0 | 306 |
| 12:30PM | 5 | 112 | 6 | 0 | 123 | 0 | 4 | 2 | 9 | 0 | 15 | 0 | 12 | 143 | 11 | 0 | 166 | 0 | 13 | 1 | 7 | 0 | 21 | 0 | 325 |
| Total | 27 | 488 | 19 | 0 | 534 | 0 | 17 | 10 | 42 | 0 | 69 | 0 | 42 | 486 | 43 | 0 | 571 | 0 | 55 | 11 | 23 | 0 | 89 | 0 | 1263 |
| % Approach | 5.1% | 91.4% | 3.6% | 0% | - | - | 24.6% | 14.5% | 60.9% | 0% | - | - | 7.4% | 85.1% | 7.5% | 0% | - | - | 61.8% | 12.4% | 25.8% | 0% | - | - | - |
| % Total | 2.1% | 38.6% | 1.5% | 0% | 42.3% | - | 1.3% | 0.8% | 3.3% | 0% | 5.5% | - | 3.3% | 38.5% | 3.4% | 0% | 45.2% | - | 4.4% | 0.9% | 1.8% | 0% | 7.0% | - | - |
| PHF | 0.750 | 0.847 | 0.792 | - | 0.856 | - | 0.531 | 0.833 | 0.750 | - | 0.750 | - | 0.875 | 0.850 | 0.768 | - | 0.860 | - | 0.764 | 0.550 | 0.821 | - | 0.824 | - | 0.972 |
| Lights | 27 | 482 | 19 | 0 | 528 | - | 16 | 10 | 41 | 0 | 67 | - | 42 | 480 | 43 | 0 | 565 | - | 55 | 11 | 22 | 0 | 88 | - | 1248 |
| % Lights | 100% | 98.8% | 100% | 0% | 98.9% | - | 94.1% | 100% | 97.6% | 0% | 97.1% | - | 100% | 98.8% | 100% | 0% | 98.9% | - | 100% | 100% | 95.7% | 0% | 98.9% | - | 98.8% |
| Articulated Trucks | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 1 | 0 | 1 | - | 3 |
| % Articulated Trucks | 0% | 0.2% | 0% | 0% | 0.2% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.2% | 0% | 0% | 0.2% | - | 0% | 0% | 4.3% | 0% | 1.1% | - | 0.2% |
| Buses and Single-Unit Trucks | 0 | 5 | 0 | 0 | 5 | - | 1 | 0 | 1 | 0 | 2 | - | 0 | 5 | 0 | 0 | 5 | - | 0 | 0 | 0 | 0 | 0 | - | 12 |
| % Buses and Single-Unit Trucks | 0% | 1.0% | 0% | 0% | 0.9% | - | 5.9% | 0% | 2.4% | 0% | 2.9% | - | 0% | 1.0% | 0% | 0% | 0.9% | - | 0% | 0% | 0% | 0% | 0% | - | 1.0% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | - | 0 |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

East Blvd at E. P St - TMC

Tue Dec 18, 2018

Midday Peak (Dec 18 2018 11:45AM - 12:45PM)

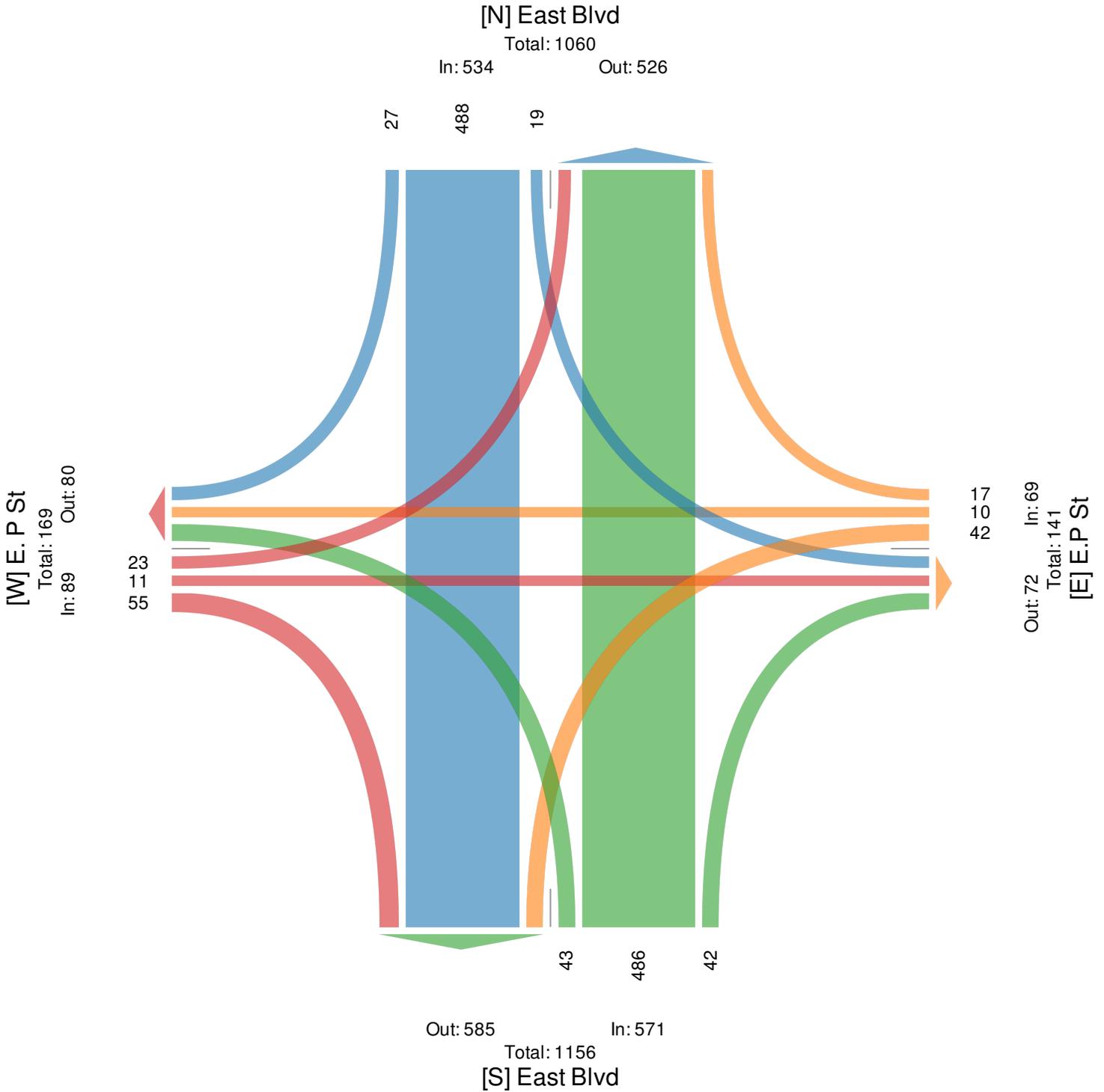
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599584, Location: 29.684829, -95.098527



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at E. P St - TMC

Tue Dec 18, 2018

PM Peak (Dec 18 2018 4:15PM - 5:15PM) - Overall Peak Hour

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

All Movements

ID: 599584, Location: 29.684829, -95.098527



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E.P St Westbound | | | | | | East Blvd Northbound | | | | | | E. P St Eastbound | | | | | | Int |
|---------------------------------------|-------------------------|-------|-------|----|-------|------|---------------------|-------|-------|----|-------|------|-------------------------|-------|-------|-------|-------|------|----------------------|-------|-------|----|-------|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 4:15PM | 16 | 222 | 12 | 0 | 250 | 0 | 8 | 5 | 20 | 0 | 33 | 0 | 27 | 126 | 35 | 0 | 188 | 0 | 37 | 9 | 8 | 0 | 54 | 0 | 525 |
| 4:30PM | 17 | 221 | 11 | 0 | 249 | 0 | 4 | 7 | 17 | 0 | 28 | 0 | 23 | 117 | 35 | 0 | 175 | 0 | 30 | 4 | 14 | 0 | 48 | 0 | 500 |
| 4:45PM | 29 | 260 | 20 | 0 | 309 | 0 | 7 | 13 | 14 | 0 | 34 | 0 | 26 | 124 | 19 | 1 | 170 | 0 | 18 | 1 | 4 | 0 | 23 | 0 | 536 |
| 5:00PM | 24 | 230 | 15 | 0 | 269 | 0 | 7 | 4 | 20 | 0 | 31 | 0 | 20 | 113 | 44 | 0 | 177 | 0 | 22 | 9 | 10 | 0 | 41 | 1 | 518 |
| Total | 86 | 933 | 58 | 0 | 1077 | 0 | 26 | 29 | 71 | 0 | 126 | 0 | 96 | 480 | 133 | 1 | 710 | 0 | 107 | 23 | 36 | 0 | 166 | 1 | 2079 |
| % Approach | 8.0% | 86.6% | 5.4% | 0% | - | - | 20.6% | 23.0% | 56.3% | 0% | - | - | 13.5% | 67.6% | 18.7% | 0.1% | - | - | 64.5% | 13.9% | 21.7% | 0% | - | - | - |
| % Total | 4.1% | 44.9% | 2.8% | 0% | 51.8% | - | 1.3% | 1.4% | 3.4% | 0% | 6.1% | - | 4.6% | 23.1% | 6.4% | 0% | 34.2% | - | 5.1% | 1.1% | 1.7% | 0% | 8.0% | - | - |
| PHF | 0.741 | 0.897 | 0.725 | - | 0.871 | - | 0.813 | 0.558 | 0.888 | - | 0.926 | - | 0.889 | 0.952 | 0.756 | 0.250 | 0.944 | - | 0.723 | 0.639 | 0.643 | - | 0.769 | - | 0.970 |
| Lights | 85 | 923 | 58 | 0 | 1066 | - | 26 | 29 | 70 | 0 | 125 | - | 94 | 473 | 132 | 1 | 700 | - | 106 | 23 | 33 | 0 | 162 | - | 2053 |
| % Lights | 98.8% | 98.9% | 100% | 0% | 99.0% | - | 100% | 100% | 98.6% | 0% | 99.2% | - | 97.9% | 98.5% | 99.2% | 100% | 98.6% | - | 99.1% | 100% | 91.7% | 0% | 97.6% | - | 98.7% |
| Articulated Trucks | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | - | 1 |
| % Articulated Trucks | 0% | 0% | 0% | 0% | 0% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.2% | 0% | 0% | 0.1% | - | 0% | 0% | 0% | 0% | 0% | - | 0% |
| Buses and Single-Unit Trucks | 1 | 10 | 0 | 0 | 11 | - | 0 | 0 | 1 | 0 | 1 | - | 2 | 6 | 1 | 0 | 9 | - | 1 | 0 | 3 | 0 | 4 | - | 25 |
| % Buses and Single-Unit Trucks | 1.2% | 1.1% | 0% | 0% | 1.0% | - | 0% | 0% | 1.4% | 0% | 0.8% | - | 2.1% | 1.3% | 0.8% | 0% | 1.3% | - | 0.9% | 0% | 8.3% | 0% | 2.4% | - | 1.2% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 1 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | -100% |

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

East Blvd at E. P St - TMC

Tue Dec 18, 2018

PM Peak (Dec 18 2018 4:15PM - 5:15PM) - Overall Peak Hour

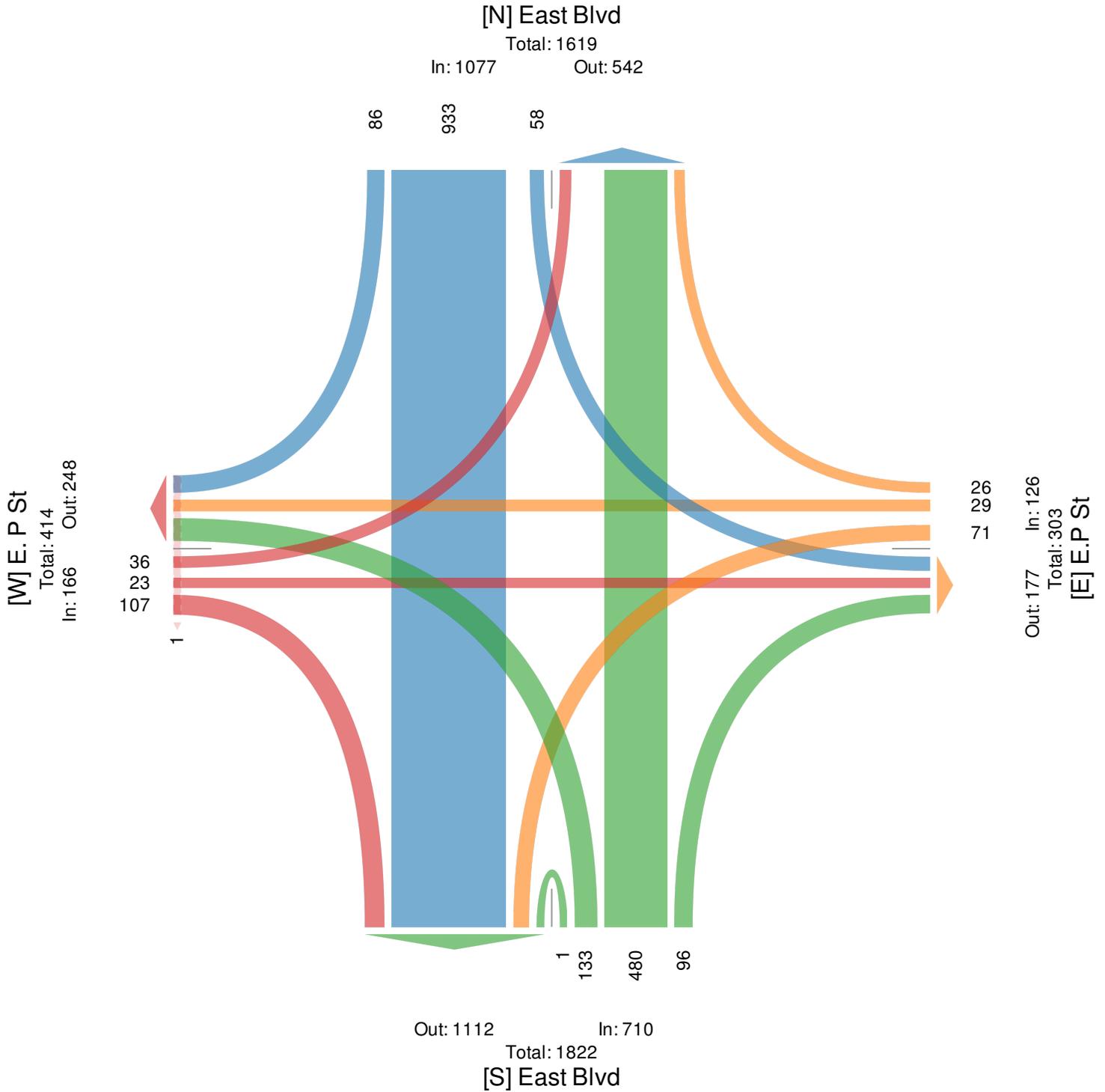
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599584, Location: 29.684829, -95.098527



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at E Pasadena Blvd - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM(+1))

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

All Movements

ID: 599580, Location: 29.679747, -95.098455



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E Pasadena Blvd Westbound | | | | | | East Blvd Northbound | | | | | | E Pasadena Blvd Eastbound | | | | | | Int |
|---------------|----------------------|-----|----|---|-----|------|---------------------------|-----|----|---|-----|------|----------------------|-----|-----|---|-----|------|---------------------------|-----|-----|---|-----|------|------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 11 | 3 | 0 | 14 | 0 | 2 | 4 | 2 | 0 | 8 | 0 | |
| 12:15AM | 1 | 5 | 1 | 0 | 7 | 0 | 1 | 3 | 0 | 0 | 4 | 0 | 0 | 10 | 1 | 0 | 11 | 0 | 2 | 6 | 2 | 0 | 10 | 0 | 32 |
| 12:30AM | 2 | 2 | 0 | 1 | 5 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 9 | 2 | 0 | 12 | 0 | 4 | 0 | 2 | 0 | 6 | 0 | 25 |
| 12:45AM | 3 | 3 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 10 | 3 | 0 | 13 | 0 | 3 | 1 | 0 | 0 | 4 | 0 | 24 |
| Hourly Total | 6 | 13 | 1 | 1 | 21 | 0 | 1 | 8 | 0 | 0 | 9 | 0 | 1 | 40 | 9 | 0 | 50 | 0 | 11 | 11 | 6 | 0 | 28 | 0 | 108 |
| 1:00AM | 1 | 7 | 0 | 0 | 8 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 15 |
| 1:15AM | 0 | 4 | 2 | 0 | 6 | 0 | 0 | 2 | 1 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 8 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 19 |
| 1:30AM | 1 | 7 | 0 | 0 | 8 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 6 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 18 |
| 1:45AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 7 | 0 | 0 | 9 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 15 |
| Hourly Total | 2 | 21 | 2 | 0 | 25 | 0 | 1 | 6 | 1 | 0 | 8 | 0 | 2 | 22 | 2 | 0 | 26 | 0 | 2 | 6 | 0 | 0 | 8 | 0 | 67 |
| 2:00AM | 0 | 5 | 2 | 0 | 7 | 0 | 1 | 1 | 3 | 0 | 5 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 17 |
| 2:15AM | 0 | 3 | 1 | 0 | 4 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 14 |
| 2:30AM | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 2 | 1 | 0 | 4 | 0 | 9 |
| 2:45AM | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 2 | 3 | 0 | 0 | 5 | 0 | 10 |
| Hourly Total | 1 | 10 | 3 | 0 | 14 | 0 | 3 | 3 | 4 | 0 | 10 | 0 | 1 | 11 | 1 | 0 | 13 | 0 | 4 | 5 | 4 | 0 | 13 | 0 | 50 |
| 3:00AM | 0 | 6 | 1 | 0 | 7 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 2 | 1 | 0 | 4 | 0 | 1 | 2 | 4 | 0 | 7 | 0 | 20 |
| 3:15AM | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 1 | 0 | 4 | 0 | 0 | 8 | 0 | 0 | 8 | 0 | 1 | 1 | 5 | 0 | 7 | 0 | 20 |
| 3:30AM | 0 | 7 | 0 | 0 | 7 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 11 | 0 | 0 | 12 | 0 | 2 | 5 | 1 | 0 | 8 | 0 | 29 |
| 3:45AM | 3 | 10 | 0 | 0 | 13 | 0 | 0 | 1 | 2 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 8 | 0 | 0 | 4 | 4 | 0 | 8 | 0 | 32 |
| Hourly Total | 3 | 23 | 2 | 0 | 28 | 0 | 1 | 7 | 3 | 0 | 11 | 0 | 2 | 28 | 2 | 0 | 32 | 0 | 4 | 12 | 14 | 0 | 30 | 0 | 101 |
| 4:00AM | 0 | 16 | 1 | 0 | 17 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 13 | 5 | 0 | 19 | 0 | 1 | 8 | 5 | 0 | 14 | 0 | 52 |
| 4:15AM | 2 | 20 | 5 | 0 | 27 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 21 | 1 | 0 | 22 | 0 | 0 | 8 | 8 | 0 | 16 | 0 | 71 |
| 4:30AM | 4 | 12 | 4 | 0 | 20 | 0 | 8 | 4 | 1 | 0 | 13 | 0 | 0 | 32 | 4 | 0 | 36 | 0 | 5 | 11 | 11 | 0 | 27 | 0 | 96 |
| 4:45AM | 7 | 13 | 1 | 0 | 21 | 0 | 6 | 6 | 1 | 0 | 13 | 0 | 1 | 33 | 0 | 0 | 34 | 0 | 9 | 18 | 7 | 0 | 34 | 0 | 102 |
| Hourly Total | 13 | 61 | 11 | 0 | 85 | 0 | 15 | 17 | 2 | 0 | 34 | 0 | 2 | 99 | 10 | 0 | 111 | 0 | 15 | 45 | 31 | 0 | 91 | 0 | 321 |
| 5:00AM | 3 | 26 | 4 | 0 | 33 | 0 | 4 | 7 | 5 | 0 | 16 | 0 | 6 | 44 | 2 | 0 | 52 | 0 | 4 | 30 | 10 | 0 | 44 | 0 | 145 |
| 5:15AM | 0 | 27 | 7 | 0 | 34 | 0 | 5 | 10 | 1 | 0 | 16 | 0 | 4 | 54 | 3 | 0 | 61 | 0 | 4 | 28 | 17 | 0 | 49 | 0 | 160 |
| 5:30AM | 9 | 35 | 6 | 0 | 50 | 0 | 7 | 7 | 3 | 0 | 17 | 0 | 5 | 81 | 1 | 0 | 87 | 0 | 7 | 34 | 27 | 0 | 68 | 0 | 222 |
| 5:45AM | 6 | 41 | 6 | 0 | 53 | 0 | 9 | 13 | 1 | 0 | 23 | 0 | 9 | 77 | 2 | 0 | 88 | 0 | 10 | 42 | 33 | 0 | 85 | 0 | 249 |
| Hourly Total | 18 | 129 | 23 | 0 | 170 | 0 | 25 | 37 | 10 | 0 | 72 | 0 | 24 | 256 | 8 | 0 | 288 | 0 | 25 | 134 | 87 | 0 | 246 | 0 | 776 |
| 6:00AM | 4 | 48 | 8 | 0 | 60 | 0 | 13 | 17 | 6 | 0 | 36 | 0 | 3 | 116 | 6 | 0 | 125 | 0 | 17 | 40 | 31 | 0 | 88 | 0 | 309 |
| 6:15AM | 13 | 65 | 11 | 0 | 89 | 0 | 7 | 18 | 7 | 0 | 32 | 0 | 9 | 84 | 7 | 0 | 100 | 0 | 16 | 48 | 25 | 0 | 89 | 0 | 310 |
| 6:30AM | 11 | 70 | 15 | 0 | 96 | 0 | 8 | 24 | 6 | 0 | 38 | 0 | 24 | 90 | 4 | 0 | 118 | 0 | 14 | 49 | 26 | 0 | 89 | 0 | 341 |
| 6:45AM | 21 | 70 | 26 | 0 | 117 | 0 | 20 | 54 | 17 | 0 | 91 | 0 | 28 | 80 | 23 | 0 | 131 | 0 | 34 | 56 | 28 | 0 | 118 | 0 | 457 |
| Hourly Total | 49 | 253 | 60 | 0 | 362 | 0 | 48 | 113 | 36 | 0 | 197 | 0 | 64 | 370 | 40 | 0 | 474 | 0 | 81 | 193 | 110 | 0 | 384 | 0 | 1417 |
| 7:00AM | 16 | 98 | 20 | 0 | 134 | 0 | 23 | 53 | 15 | 0 | 91 | 0 | 18 | 93 | 19 | 0 | 130 | 0 | 25 | 52 | 34 | 0 | 111 | 0 | 466 |
| 7:15AM | 24 | 132 | 18 | 0 | 174 | 0 | 26 | 58 | 15 | 0 | 99 | 0 | 15 | 114 | 22 | 0 | 151 | 0 | 35 | 55 | 43 | 0 | 133 | 0 | 557 |
| 7:30AM | 17 | 132 | 23 | 0 | 172 | 0 | 17 | 62 | 11 | 0 | 90 | 0 | 29 | 115 | 26 | 0 | 170 | 0 | 34 | 63 | 26 | 0 | 123 | 0 | 555 |
| 7:45AM | 22 | 145 | 26 | 0 | 193 | 0 | 22 | 44 | 17 | 0 | 83 | 0 | 26 | 115 | 30 | 0 | 171 | 0 | 38 | 73 | 30 | 0 | 141 | 0 | 588 |
| Hourly Total | 79 | 507 | 87 | 0 | 673 | 0 | 88 | 217 | 58 | 0 | 363 | 0 | 88 | 437 | 97 | 0 | 622 | 0 | 132 | 243 | 133 | 0 | 508 | 0 | 2166 |
| 8:00AM | 21 | 85 | 20 | 0 | 126 | 0 | 19 | 48 | 12 | 0 | 79 | 0 | 22 | 94 | 27 | 1 | 144 | 0 | 32 | 52 | 26 | 0 | 110 | 0 | 459 |
| 8:15AM | 17 | 73 | 15 | 0 | 105 | 0 | 15 | 36 | 7 | 0 | 58 | 0 | 13 | 88 | 15 | 0 | 116 | 0 | 16 | 29 | 14 | 0 | 59 | 0 | 338 |
| 8:30AM | 8 | 76 | 12 | 0 | 96 | 0 | 6 | 32 | 12 | 0 | 50 | 0 | 16 | 64 | 17 | 0 | 97 | 0 | 18 | 33 | 19 | 0 | 70 | 0 | 313 |
| 8:45AM | 13 | 67 | 15 | 0 | 95 | 0 | 7 | 37 | 14 | 0 | 58 | 0 | 18 | 64 | 16 | 0 | 98 | 0 | 24 | 30 | 20 | 0 | 74 | 0 | 325 |
| Hourly Total | 59 | 301 | 62 | 0 | 422 | 0 | 47 | 153 | 45 | 0 | 245 | 0 | 69 | 310 | 75 | 1 | 455 | 0 | 90 | 144 | 79 | 0 | 313 | 0 | 1435 |
| 9:00AM | 18 | 66 | 10 | 0 | 94 | 0 | 6 | 25 | 9 | 0 | 40 | 0 | 7 | 56 | 13 | 0 | 76 | 0 | 20 | 22 | 20 | 0 | 62 | 0 | 272 |
| 9:15AM | 8 | 73 | 6 | 0 | 87 | 0 | 8 | 25 | 12 | 0 | 45 | 0 | 6 | 72 | 25 | 0 | 103 | 0 | 28 | 13 | 8 | 0 | 49 | 0 | 284 |
| 9:30AM | 9 | 67 | 8 | 0 | 84 | 0 | 8 | 32 | 8 | 0 | 48 | 0 | 15 | 67 | 16 | 0 | 98 | 0 | 25 | 26 | 13 | 0 | 64 | 0 | 294 |
| 9:45AM | 13 | 85 | 3 | 0 | 101 | 0 | 8 | 39 | 14 | 0 | 61 | 0 | 11 | 58 | 27 | 0 | 96 | 0 | 26 | 29 | 8 | 0 | 63 | 0 | 321 |
| Hourly Total | 48 | 291 | 27 | 0 | 366 | 0 | 30 | 121 | 43 | 0 | 194 | 0 | 39 | 253 | 81 | 0 | 373 | 0 | 99 | 90 | 49 | 0 | 238 | 0 | 1171 |
| 10:00AM | 8 | 72 | 11 | 0 | 91 | 1 | 12 | 42 | 11 | 0 | 65 | 1 | 7 | 57 | 26 | 0 | 90 | 0 | 28 | 21 | 10 | 0 | 59 | 0 | 305 |
| 10:15AM | 6 | 73 | 12 | 0 | 91 | 0 | 8 | 24 | 15 | 0 | 47 | 0 | 12 | 66 | 16 | 0 | 94 | 0 | 32 | 28 | 15 | 0 | 75 | 0 | 307 |
| 10:30AM | 11 | 96 | 6 | 0 | 113 | 0 | 12 | 32 | 7 | 0 | 51 | 0 | 13 | 81 | 22 | 0 | 116 | 0 | 32 | 22 | 5 | 0 | 59 | 0 | 339 |
| 10:45AM | 8 | 87 | 11 | 0 | 106 | 0 | 9 | 19 | 10 | 0 | 38 | 0 | 17 | 87 | 30 | 0 | 134 | 0 | 44 | 29 | 16 | 0 | 89 | 0 | 367 |
| Hourly Total | 33 | 328 | 40 | 0 | 401 | 1 | 41 | 117 | 43 | 0 | 201 | 1 | 49 | 291 | 94 | 0 | 434 | 0 | 136 | 100 | 46 | 0 | 282 | 0 | 1318 |
| 11:00AM | 25 | 96 | 7 | 0 | 128 | 0 | 12 | 42 | 19 | 0 | 73 | 0 | 13 | 81 | 24 | 0 | 118 | 0 | 32 | 25 | 18 | 0 | 75 | 0 | 394 |
| 11:15AM | 16 | 123 | 16 | 0 | 155 | 0 | 8 | 45 | 22 | 0 | 75 | 0 | 22 | 96 | 32 | 0 | 150 | 0 | 38 | 26 | 7 | 0 | 71 | 0 | 451 |
| 11:30AM | 10 | 120 | 14 | 0 | 144 | 0 | 15 | 40 | 15 | 0 | 70 | 0 | 24 | 87 | 23 | 0 | 134 | 0 | 39 | 40 | 11 | 0 | 90 | 0 | 438 |
| 11:45AM | 13 | 115 | 16 | 0 | 144 | 0 | 12 | 45 | 23 | 0 | 80 | 0 | 24 | 105 | 37 | 0 | 166 | 0 | 30 | 41 | 15 | 0 | 86 | 0 | 476 |
| Hourly Total | 64 | 454 | 53 | 0 | 571 | 0 | 47 | 172 | 79 | 0 | 298 | 0 | 83 | 369 | 116 | 0 | 568 | 0 | 139 | 132 | 51 | 0 | 322 | 0 | 1759 |
| 12:00PM | 22 | 133 | 13 | 0 | 168 | 0 | 12 | 48 | 30 | 0 | 90 | 0 | 25 | 109 | 39 | 0 | 173 | 0 | 32 | 37 | 18 | 0 | 87 | 0 | 518 |
| 12:15PM | 19 | 112 | 11 | 0 | 142 | 0 | 16 | 36 | 28 | 0 | 80 | 0 | 39 | 117 | 43 | 0 | 199 | 0 | 39 | 45 | 18 | 0 | 102 | 0 | 523 |
| 12:30PM | 10 | 104 | 16 | 0 | 130 | 0 | 12 | 34 | 13 | 0 | 59 | 0 | 28</ | | | | | | | | | | | | |

| Leg Direction | East Blvd Southbound | | | | | | E Pasadena Blvd Westbound | | | | | | East Blvd Northbound | | | | | | E Pasadena Blvd 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* | R | T | L | |
| 1:30PM | 15 | 88 | 9 | 0 | 112 | 0 | 14 | 30 | 17 | 0 | 61 | 0 | 25 | 111 | 38 | 0 | 174 | 0 | 36 | 29 | 11 | 0 | 76 | 0 | 423 |
| 1:45PM | 17 | 93 | 8 | 0 | 118 | 0 | 17 | 48 | 20 | 0 | 85 | 0 | 20 | 98 | 35 | 0 | 153 | 0 | 50 | 40 | 25 | 0 | 115 | 0 | 471 |
| Hourly Total | 58 | 399 | 54 | 0 | 511 | 0 | 61 | 152 | 60 | 0 | 273 | 0 | 81 | 412 | 135 | 0 | 628 | 0 | 172 | 161 | 61 | 1 | 395 | 0 | 1807 |
| 2:00PM | 17 | 96 | 8 | 0 | 121 | 0 | 8 | 26 | 14 | 0 | 48 | 0 | 24 | 94 | 38 | 0 | 156 | 0 | 40 | 31 | 23 | 0 | 94 | 0 | 419 |
| 2:15PM | 15 | 94 | 8 | 0 | 117 | 0 | 11 | 38 | 12 | 0 | 61 | 0 | 21 | 97 | 32 | 0 | 150 | 0 | 41 | 41 | 12 | 0 | 94 | 0 | 422 |
| 2:30PM | 13 | 92 | 13 | 0 | 118 | 0 | 8 | 36 | 9 | 0 | 53 | 0 | 23 | 103 | 35 | 0 | 161 | 0 | 32 | 44 | 18 | 0 | 94 | 0 | 426 |
| 2:45PM | 20 | 99 | 21 | 0 | 140 | 0 | 13 | 42 | 14 | 0 | 69 | 0 | 22 | 116 | 39 | 0 | 177 | 0 | 44 | 29 | 14 | 0 | 87 | 0 | 473 |
| Hourly Total | 65 | 381 | 50 | 0 | 496 | 0 | 40 | 142 | 49 | 0 | 231 | 0 | 90 | 410 | 144 | 0 | 644 | 0 | 157 | 145 | 67 | 0 | 369 | 0 | 1740 |
| 3:00PM | 19 | 116 | 26 | 0 | 161 | 0 | 17 | 55 | 17 | 0 | 89 | 0 | 19 | 102 | 37 | 0 | 158 | 0 | 34 | 52 | 19 | 0 | 105 | 0 | 513 |
| 3:15PM | 21 | 123 | 23 | 0 | 167 | 0 | 19 | 38 | 21 | 0 | 78 | 0 | 18 | 115 | 25 | 0 | 158 | 0 | 32 | 46 | 20 | 0 | 98 | 0 | 501 |
| 3:30PM | 20 | 132 | 26 | 0 | 178 | 2 | 21 | 55 | 27 | 0 | 103 | 0 | 21 | 104 | 33 | 0 | 158 | 0 | 39 | 42 | 19 | 0 | 100 | 0 | 539 |
| 3:45PM | 31 | 144 | 32 | 0 | 207 | 0 | 27 | 59 | 21 | 0 | 107 | 0 | 29 | 150 | 59 | 0 | 238 | 0 | 42 | 52 | 16 | 0 | 110 | 0 | 662 |
| Hourly Total | 91 | 515 | 107 | 0 | 713 | 2 | 84 | 207 | 86 | 0 | 377 | 0 | 87 | 471 | 154 | 0 | 712 | 0 | 147 | 192 | 74 | 0 | 413 | 0 | 2215 |
| 4:00PM | 38 | 172 | 35 | 0 | 245 | 0 | 22 | 50 | 24 | 0 | 96 | 0 | 26 | 134 | 52 | 0 | 212 | 0 | 35 | 59 | 22 | 0 | 116 | 0 | 669 |
| 4:15PM | 35 | 195 | 29 | 0 | 259 | 0 | 27 | 63 | 23 | 0 | 113 | 0 | 26 | 126 | 42 | 0 | 194 | 0 | 44 | 58 | 27 | 0 | 129 | 0 | 695 |
| 4:30PM | 36 | 202 | 35 | 0 | 273 | 0 | 25 | 83 | 44 | 0 | 152 | 0 | 19 | 129 | 45 | 0 | 193 | 0 | 47 | 66 | 18 | 0 | 131 | 0 | 749 |
| 4:45PM | 47 | 228 | 28 | 0 | 303 | 0 | 19 | 80 | 25 | 0 | 124 | 0 | 19 | 140 | 50 | 0 | 209 | 0 | 55 | 71 | 18 | 0 | 144 | 0 | 780 |
| Hourly Total | 156 | 797 | 127 | 0 | 1080 | 0 | 93 | 276 | 116 | 0 | 485 | 0 | 90 | 529 | 189 | 0 | 808 | 0 | 181 | 254 | 85 | 0 | 520 | 0 | 2893 |
| 5:00PM | 37 | 197 | 32 | 0 | 266 | 0 | 25 | 127 | 38 | 0 | 190 | 0 | 34 | 139 | 53 | 0 | 226 | 0 | 37 | 59 | 16 | 0 | 112 | 0 | 794 |
| 5:15PM | 52 | 186 | 27 | 0 | 265 | 0 | 34 | 107 | 40 | 0 | 181 | 0 | 37 | 143 | 49 | 0 | 229 | 0 | 53 | 76 | 11 | 0 | 140 | 0 | 815 |
| 5:30PM | 44 | 174 | 21 | 0 | 239 | 0 | 17 | 128 | 33 | 0 | 178 | 0 | 29 | 129 | 50 | 0 | 208 | 0 | 39 | 54 | 16 | 0 | 109 | 0 | 734 |
| 5:45PM | 40 | 216 | 30 | 0 | 286 | 0 | 16 | 94 | 21 | 0 | 131 | 0 | 31 | 141 | 51 | 0 | 223 | 0 | 46 | 66 | 18 | 0 | 130 | 0 | 770 |
| Hourly Total | 173 | 773 | 110 | 0 | 1056 | 0 | 92 | 456 | 132 | 0 | 680 | 0 | 131 | 552 | 203 | 0 | 886 | 0 | 175 | 255 | 61 | 0 | 491 | 0 | 3113 |
| 6:00PM | 31 | 123 | 14 | 0 | 168 | 0 | 20 | 67 | 32 | 0 | 119 | 0 | 27 | 148 | 58 | 0 | 233 | 0 | 44 | 51 | 9 | 0 | 104 | 0 | 624 |
| 6:15PM | 27 | 149 | 16 | 0 | 192 | 0 | 18 | 51 | 18 | 0 | 87 | 0 | 23 | 128 | 54 | 0 | 205 | 0 | 49 | 38 | 18 | 0 | 105 | 0 | 589 |
| 6:30PM | 26 | 105 | 22 | 0 | 153 | 0 | 20 | 53 | 18 | 0 | 91 | 0 | 22 | 111 | 41 | 0 | 174 | 0 | 47 | 49 | 25 | 0 | 121 | 0 | 539 |
| 6:45PM | 24 | 108 | 14 | 0 | 146 | 0 | 15 | 53 | 30 | 0 | 98 | 0 | 31 | 112 | 36 | 0 | 179 | 0 | 40 | 38 | 15 | 0 | 93 | 0 | 516 |
| Hourly Total | 108 | 485 | 66 | 0 | 659 | 0 | 73 | 224 | 98 | 0 | 395 | 0 | 103 | 499 | 189 | 0 | 791 | 0 | 180 | 176 | 67 | 0 | 423 | 0 | 2268 |
| 7:00PM | 15 | 110 | 12 | 0 | 137 | 0 | 23 | 30 | 18 | 0 | 71 | 0 | 25 | 109 | 38 | 0 | 172 | 0 | 49 | 35 | 11 | 0 | 95 | 0 | 475 |
| 7:15PM | 12 | 98 | 11 | 0 | 121 | 0 | 5 | 27 | 17 | 0 | 49 | 0 | 20 | 119 | 50 | 0 | 189 | 0 | 34 | 29 | 16 | 0 | 79 | 0 | 438 |
| 7:30PM | 10 | 80 | 4 | 0 | 94 | 0 | 11 | 22 | 21 | 0 | 54 | 0 | 24 | 86 | 36 | 0 | 146 | 0 | 26 | 23 | 7 | 0 | 56 | 0 | 350 |
| 7:45PM | 9 | 70 | 8 | 0 | 87 | 0 | 6 | 24 | 11 | 0 | 41 | 0 | 17 | 121 | 19 | 0 | 157 | 0 | 16 | 28 | 14 | 0 | 58 | 0 | 343 |
| Hourly Total | 46 | 358 | 35 | 0 | 439 | 0 | 45 | 103 | 67 | 0 | 215 | 0 | 86 | 435 | 143 | 0 | 664 | 0 | 125 | 115 | 48 | 0 | 288 | 0 | 1606 |
| 8:00PM | 13 | 63 | 7 | 0 | 83 | 0 | 11 | 18 | 6 | 0 | 35 | 0 | 20 | 108 | 33 | 0 | 161 | 0 | 32 | 27 | 7 | 0 | 66 | 0 | 345 |
| 8:15PM | 7 | 53 | 13 | 1 | 74 | 0 | 8 | 11 | 9 | 0 | 28 | 0 | 12 | 92 | 26 | 0 | 130 | 0 | 22 | 21 | 6 | 0 | 49 | 0 | 281 |
| 8:30PM | 8 | 61 | 6 | 0 | 75 | 0 | 10 | 15 | 7 | 0 | 32 | 0 | 10 | 64 | 25 | 0 | 99 | 0 | 20 | 30 | 5 | 0 | 55 | 0 | 261 |
| 8:45PM | 7 | 71 | 5 | 0 | 83 | 0 | 5 | 18 | 3 | 0 | 26 | 0 | 17 | 82 | 17 | 0 | 116 | 0 | 16 | 23 | 7 | 0 | 46 | 0 | 271 |
| Hourly Total | 35 | 248 | 31 | 1 | 315 | 0 | 34 | 62 | 25 | 0 | 121 | 0 | 59 | 346 | 101 | 0 | 506 | 0 | 90 | 101 | 25 | 0 | 216 | 0 | 1158 |
| 9:00PM | 5 | 63 | 5 | 0 | 73 | 0 | 7 | 16 | 6 | 0 | 29 | 0 | 10 | 64 | 24 | 0 | 98 | 0 | 27 | 17 | 10 | 0 | 54 | 0 | 254 |
| 9:15PM | 8 | 44 | 3 | 0 | 55 | 0 | 11 | 11 | 8 | 0 | 30 | 0 | 12 | 78 | 35 | 0 | 125 | 0 | 18 | 14 | 7 | 0 | 39 | 0 | 249 |
| 9:30PM | 6 | 29 | 6 | 0 | 41 | 0 | 5 | 13 | 3 | 0 | 21 | 0 | 12 | 59 | 19 | 0 | 90 | 0 | 21 | 18 | 5 | 0 | 44 | 0 | 196 |
| 9:45PM | 6 | 31 | 2 | 0 | 39 | 0 | 2 | 19 | 7 | 0 | 28 | 0 | 9 | 55 | 17 | 0 | 81 | 0 | 12 | 7 | 5 | 0 | 24 | 0 | 172 |
| Hourly Total | 25 | 167 | 16 | 0 | 208 | 0 | 25 | 59 | 24 | 0 | 108 | 0 | 43 | 256 | 95 | 0 | 394 | 0 | 78 | 56 | 27 | 0 | 161 | 0 | 871 |
| 10:00PM | 4 | 35 | 3 | 0 | 42 | 0 | 4 | 7 | 2 | 0 | 13 | 0 | 3 | 47 | 13 | 0 | 63 | 0 | 14 | 14 | 2 | 0 | 30 | 0 | 148 |
| 10:15PM | 8 | 22 | 3 | 0 | 33 | 0 | 1 | 8 | 2 | 0 | 11 | 0 | 10 | 38 | 11 | 0 | 59 | 0 | 13 | 14 | 5 | 0 | 32 | 0 | 135 |
| 10:30PM | 5 | 15 | 3 | 0 | 23 | 0 | 2 | 9 | 4 | 0 | 15 | 0 | 9 | 35 | 15 | 0 | 59 | 0 | 11 | 8 | 4 | 0 | 23 | 0 | 120 |
| 10:45PM | 3 | 18 | 3 | 0 | 24 | 0 | 3 | 7 | 1 | 0 | 11 | 0 | 6 | 26 | 7 | 0 | 39 | 0 | 3 | 4 | 2 | 0 | 9 | 0 | 83 |
| Hourly Total | 20 | 90 | 12 | 0 | 122 | 0 | 10 | 31 | 9 | 0 | 50 | 0 | 28 | 146 | 46 | 0 | 220 | 0 | 41 | 40 | 13 | 0 | 94 | 0 | 486 |
| 11:00PM | 5 | 18 | 2 | 0 | 25 | 0 | 2 | 4 | 3 | 0 | 9 | 0 | 4 | 20 | 8 | 0 | 32 | 0 | 4 | 5 | 3 | 0 | 12 | 0 | 78 |
| 11:15PM | 3 | 12 | 2 | 0 | 17 | 0 | 1 | 10 | 1 | 0 | 12 | 0 | 3 | 20 | 7 | 0 | 30 | 0 | 7 | 6 | 4 | 0 | 17 | 0 | 76 |
| 11:30PM | 0 | 14 | 0 | 0 | 14 | 0 | 2 | 3 | 0 | 0 | 5 | 0 | 2 | 14 | 6 | 0 | 22 | 0 | 3 | 7 | 3 | 0 | 13 | 0 | 54 |
| 11:45PM | 2 | 9 | 0 | 0 | 11 | 0 | 1 | 4 | 2 | 0 | 7 | 0 | 4 | 19 | 4 | 0 | 27 | 0 | 4 | 4 | 1 | 0 | 9 | 0 | 54 |
| Hourly Total | 10 | 53 | 4 | 0 | 67 | 0 | 6 | 21 | 6 | 0 | 33 | 0 | 13 | 73 | 25 | 0 | 111 | 0 | 18 | 22 | 11 | 0 | 51 | 0 | 262 |
| Total | 1229 | 7110 | 1039 | 2 | 9380 | 3 | 964 | 2858 | 1091 | 0 | 4913 | 1 | 1359 | 7086 | 2116 | 1 | 10562 | 0 | 2260 | 2790 | 1209 | 1 | 6260 | 0 | 31115 |
| % Approach | 13.1% | 75.8% | 11.1% | 0% | - | - | 19.6% | 58.2% | 22.2% | 0% | - | - | 12.9% | 67.1% | 20.0% | 0% | - | - | 36.1% | 44.6% | 19.3% | 0% | - | - | - |
| % Total | 3.9% | 22.9% | 3.3% | 0% | 30.1% | - | 3.1% | 9.2% | 3.5% | 0% | 15.8% | - | 4.4% | 22.8% | 6.8% | 0% | 33.9% | - | 7.3% | 9.0% | 3.9% | 0% | 20.1% | - | - |
| Lights | 1183 | 7032 | 1019 | 2 | 9236 | - | 954 | 2818 | 1076 | 0 | 4848 | - | 1338 | 7011 | 2103 | 1 | 10453 | - | 2246 | 2745 | 1173 | 1 | 6165 | - | 30702 |
| % Lights | 96.3% | 98.9% | 98.1% | 100% | 98.5% | - | 99.0% | 98.6% | 98.6% | 0% | 98.7% | - | 98.5% | 98.9% | 99.4% | 100% | 99.0% | - | 99.4% | 98.4% | 97.0% | 100% | 98.5% | - | 98.7% |
| Articulate d Trucks | 0 | 26 | 2 | 0 | 28 | - | 1 | 5 | 3 | 0 | 9 | - | 4 | 20 | 2 | 0 | 26 | - | 3 | 5 | 0 | 0 | 8 | - | 71 |
| % Articulate d Trucks | 0% | 0.4% | 0.2% | 0% | 0.3% | - | 0.1% | 0.2% | 0.3% | 0% | 0.2% | - | 0.3% | 0.3% | 0.1% | 0% | 0.2% | - | 0.1% | 0.2% | 0% | 0% | 0.1% | - | 0.2% |
| Buses and Single-Unit Trucks | 46 | 52 | 18 | 0 | 116 | - | 9 | 35 | 12 | 0 | 56 | - | 17 | 55 | 11 | 0 | 83 | | | | | | | | |

East Blvd at E Pasadena Blvd - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM (+1))

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

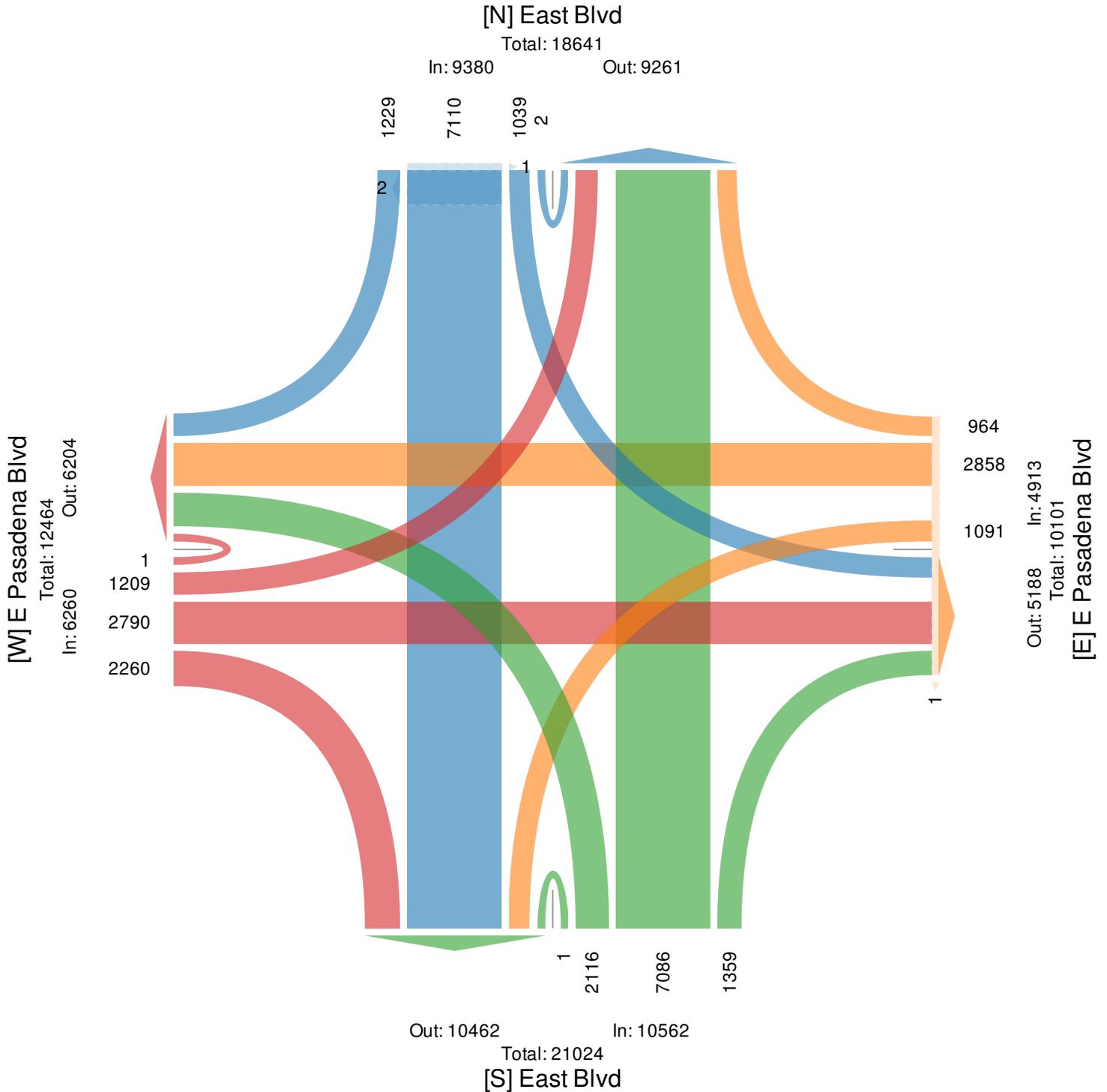
All Movements

ID: 599580, Location: 29.679747, -95.098455



Provided by: C. J. Hensch & Associates Inc.

5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at E Pasadena Blvd - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7AM - 8AM)

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

All Movements

ID: 599580, Location: 29.679747, -95.098455



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | | E Pasadena Blvd Westbound | | | | | | | East Blvd Northbound | | | | | | | E Pasadena Blvd Eastbound | | | | | | | Int |
|---------------------------------------|----------------------|-------|-------|----|-------|------|-------|---------------------------|-------|----|-------|-----|-------|-------|----------------------|----|-------|---|-------|-------|-------|---------------------------|-------|---|-------|-----|------|--|-----|
| | R | T | L | U | App | Ped* | | R | T | L | U | App | Ped* | | R | T | L | U | App | Ped* | | R | T | L | U | App | Ped* | | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7:00AM | 16 | 98 | 20 | 0 | 134 | 0 | 23 | 53 | 15 | 0 | 91 | 0 | 18 | 93 | 19 | 0 | 130 | 0 | 25 | 52 | 34 | 0 | 111 | 0 | 466 | | | | |
| 7:15AM | 24 | 132 | 18 | 0 | 174 | 0 | 26 | 58 | 15 | 0 | 99 | 0 | 15 | 114 | 22 | 0 | 151 | 0 | 35 | 55 | 43 | 0 | 133 | 0 | 557 | | | | |
| 7:30AM | 17 | 132 | 23 | 0 | 172 | 0 | 17 | 62 | 11 | 0 | 90 | 0 | 29 | 115 | 26 | 0 | 170 | 0 | 34 | 63 | 26 | 0 | 123 | 0 | 555 | | | | |
| 7:45AM | 22 | 145 | 26 | 0 | 193 | 0 | 22 | 44 | 17 | 0 | 83 | 0 | 26 | 115 | 30 | 0 | 171 | 0 | 38 | 73 | 30 | 0 | 141 | 0 | 588 | | | | |
| Total | 79 | 507 | 87 | 0 | 673 | 0 | 88 | 217 | 58 | 0 | 363 | 0 | 88 | 437 | 97 | 0 | 622 | 0 | 132 | 243 | 133 | 0 | 508 | 0 | 2166 | | | | |
| % Approach | 11.7% | 75.3% | 12.9% | 0% | - | - | 24.2% | 59.8% | 16.0% | 0% | - | - | 14.1% | 70.3% | 15.6% | 0% | - | - | 26.0% | 47.8% | 26.2% | 0% | - | - | - | | | | |
| % Total | 3.6% | 23.4% | 4.0% | 0% | 31.1% | - | 4.1% | 10.0% | 2.7% | 0% | 16.8% | - | 4.1% | 20.2% | 4.5% | 0% | 28.7% | - | 6.1% | 11.2% | 6.1% | 0% | 23.5% | - | - | | | | |
| PHF | 0.823 | 0.874 | 0.837 | - | 0.872 | - | 0.846 | 0.875 | 0.853 | - | 0.917 | - | 0.759 | 0.950 | 0.808 | - | 0.909 | - | 0.868 | 0.832 | 0.773 | - | 0.901 | - | 0.921 | | | | |
| Lights | 73 | 500 | 86 | 0 | 659 | - | 87 | 212 | 56 | 0 | 355 | - | 83 | 432 | 95 | 0 | 610 | - | 132 | 237 | 129 | 0 | 498 | - | 2122 | | | | |
| % Lights | 92.4% | 98.6% | 98.9% | 0% | 97.9% | - | 98.9% | 97.7% | 96.6% | 0% | 97.8% | - | 94.3% | 98.9% | 97.9% | 0% | 98.1% | - | 100% | 97.5% | 97.0% | 0% | 98.0% | - | 98.0% | | | | |
| Articulate d Trucks | 0 | 2 | 0 | 0 | 2 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | - | 4 | | | | |
| % Articulate d Trucks | 0% | 0.4% | 0% | 0% | 0.3% | - | 0% | 0.5% | 0% | 0% | 0.3% | - | 0% | 0.2% | 0% | 0% | 0.2% | - | 0% | 0% | 0% | 0% | 0% | - | 0.2% | | | | |
| Buses and Single-Unit Trucks | 6 | 5 | 1 | 0 | 12 | - | 1 | 4 | 2 | 0 | 7 | - | 5 | 4 | 2 | 0 | 11 | - | 0 | 6 | 4 | 0 | 10 | - | 40 | | | | |
| % Buses and Single-Unit Trucks | 7.6% | 1.0% | 1.1% | 0% | 1.8% | - | 1.1% | 1.8% | 3.4% | 0% | 1.9% | - | 5.7% | 0.9% | 2.1% | 0% | 1.8% | - | 0% | 2.5% | 3.0% | 0% | 2.0% | - | 1.8% | | | | |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | - | 0 | | | | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |

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

East Blvd at E Pasadena Blvd - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7AM - 8AM)

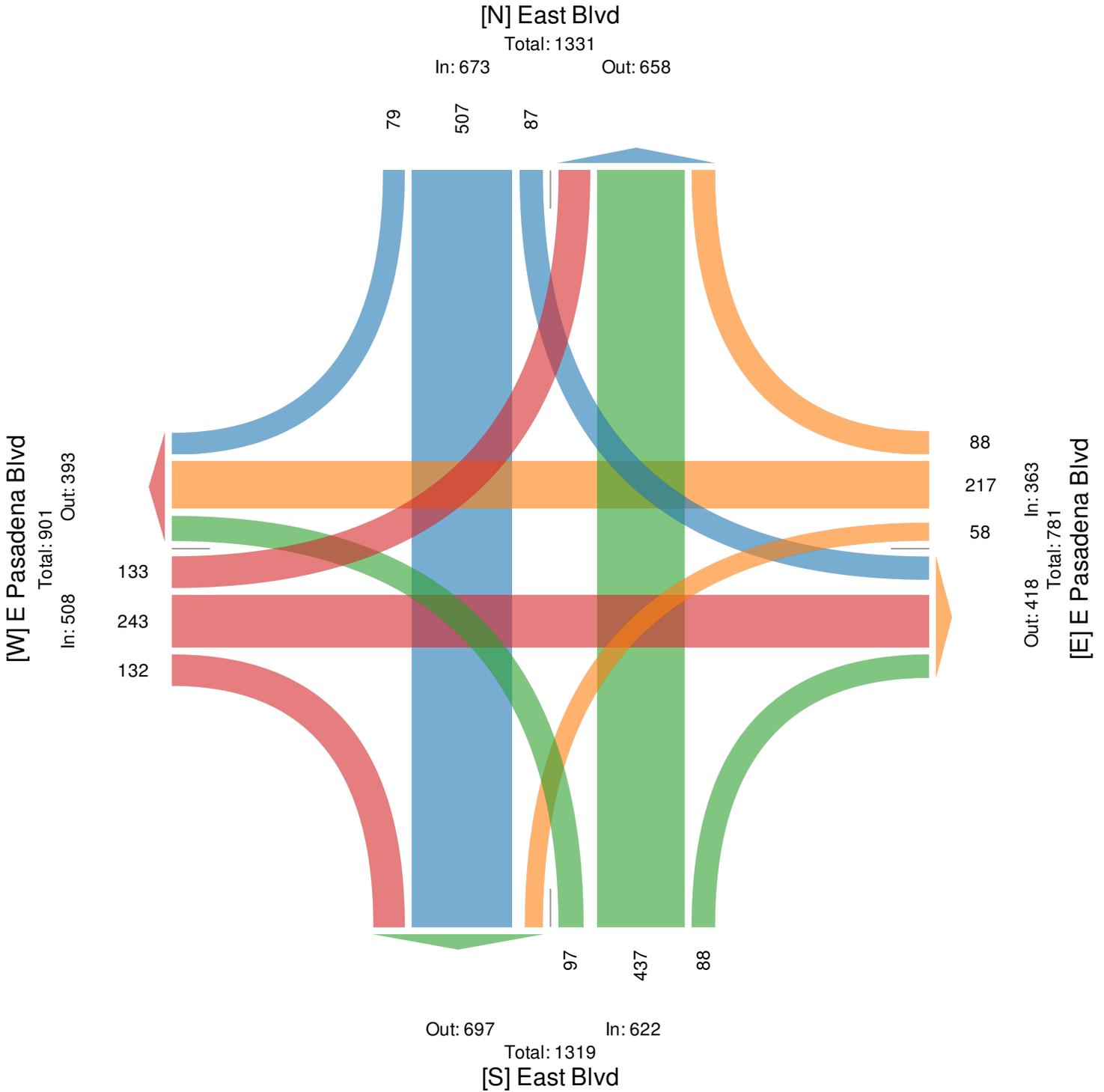
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599580, Location: 29.679747, -95.098455



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at E Pasadena Blvd - TMC

Tue Dec 18, 2018

Midday Peak (Dec 18 2018 12PM - 1PM)

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

All Movements

ID: 599580, Location: 29.679747, -95.098455



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E Pasadena Blvd Westbound | | | | | | East Blvd Northbound | | | | | | E Pasadena Blvd Eastbound | | | | | | Int |
|---------------------------------------|-------------------------|-------|-------|----|-------|------|------------------------------|-------|-------|----|-------|------|-------------------------|-------|-------|----|-------|------|------------------------------|-------|-------|----|-------|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 12:00PM | 22 | 133 | 13 | 0 | 168 | 0 | 12 | 48 | 30 | 0 | 90 | 0 | 25 | 109 | 39 | 0 | 173 | 0 | 32 | 37 | 18 | 0 | 87 | 0 | 518 |
| 12:15PM | 19 | 112 | 11 | 0 | 142 | 0 | 16 | 36 | 28 | 0 | 80 | 0 | 39 | 117 | 43 | 0 | 199 | 0 | 39 | 45 | 18 | 0 | 102 | 0 | 523 |
| 12:30PM | 10 | 104 | 16 | 0 | 130 | 0 | 12 | 34 | 13 | 0 | 59 | 0 | 28 | 132 | 45 | 0 | 205 | 0 | 41 | 37 | 10 | 0 | 88 | 0 | 482 |
| 12:45PM | 16 | 104 | 16 | 0 | 136 | 0 | 14 | 36 | 24 | 0 | 74 | 0 | 32 | 113 | 30 | 0 | 175 | 0 | 46 | 39 | 14 | 0 | 99 | 0 | 484 |
| Total | 67 | 453 | 56 | 0 | 576 | 0 | 54 | 154 | 95 | 0 | 303 | 0 | 124 | 471 | 157 | 0 | 752 | 0 | 158 | 158 | 60 | 0 | 376 | 0 | 2007 |
| % Approach | 11.6% | 78.6% | 9.7% | 0% | - | - | 17.8% | 50.8% | 31.4% | 0% | - | - | 16.5% | 62.6% | 20.9% | 0% | - | - | 42.0% | 42.0% | 16.0% | 0% | - | - | - |
| % Total | 3.3% | 22.6% | 2.8% | 0% | 28.7% | - | 2.7% | 7.7% | 4.7% | 0% | 15.1% | - | 6.2% | 23.5% | 7.8% | 0% | 37.5% | - | 7.9% | 7.9% | 3.0% | 0% | 18.7% | - | - |
| PHF | 0.761 | 0.852 | 0.875 | - | 0.857 | - | 0.844 | 0.802 | 0.792 | - | 0.842 | - | 0.795 | 0.892 | 0.872 | - | 0.917 | - | 0.859 | 0.878 | 0.833 | - | 0.922 | - | 0.959 |
| Lights | 64 | 446 | 56 | 0 | 566 | - | 54 | 152 | 95 | 0 | 301 | - | 124 | 462 | 156 | 0 | 742 | - | 157 | 157 | 60 | 0 | 374 | - | 1983 |
| % Lights | 95.5% | 98.5% | 100% | 0% | 98.3% | - | 100% | 98.7% | 100% | 0% | 99.3% | - | 100% | 98.1% | 99.4% | 0% | 98.7% | - | 99.4% | 99.4% | 100% | 0% | 99.5% | - | 98.8% |
| Articulated Trucks | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | - | 2 |
| % Articulated Trucks | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.6% | 0% | 0% | 0.3% | - | 0% | 0.2% | 0% | 0% | 0.1% | - | 0% | 0% | 0% | 0% | 0% | - | 0.1% |
| Buses and Single-Unit Trucks | 3 | 7 | 0 | 0 | 10 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 8 | 1 | 0 | 9 | - | 1 | 1 | 0 | 0 | 2 | - | 22 |
| % Buses and Single-Unit Trucks | 4.5% | 1.5% | 0% | 0% | 1.7% | - | 0% | 0.6% | 0% | 0% | 0.3% | - | 0% | 1.7% | 0.6% | 0% | 1.2% | - | 0.6% | 0.6% | 0% | 0% | 0.5% | - | 1.1% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

East Blvd at E Pasadena Blvd - TMC

Tue Dec 18, 2018

Midday Peak (Dec 18 2018 12PM - 1PM)

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

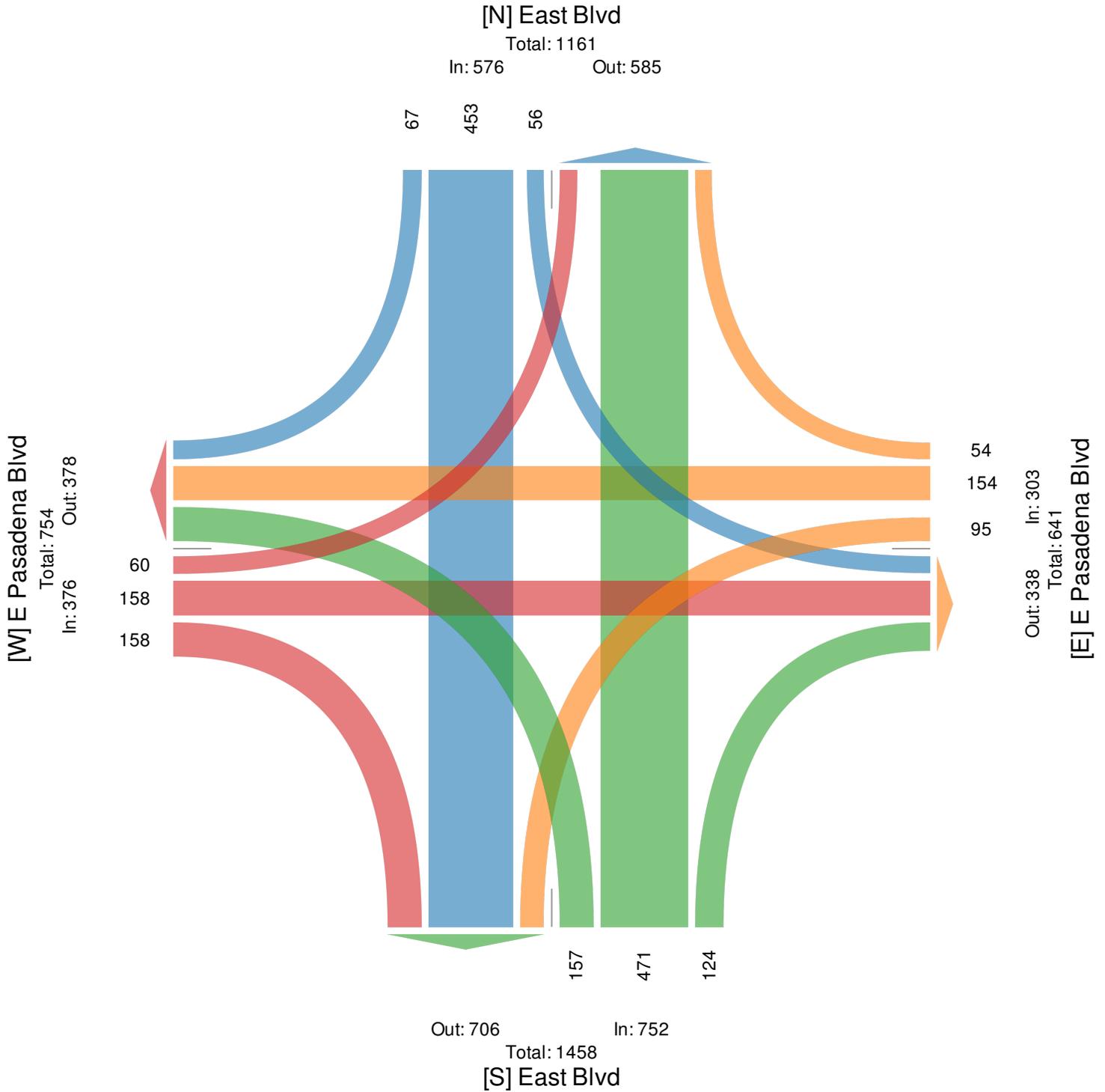
All Movements

ID: 599580, Location: 29.679747, -95.098455



Provided by: C. J. Hensch & Associates Inc.

5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at E Pasadena Blvd - TMC

Tue Dec 18, 2018

PM Peak (Dec 18 2018 4:30PM - 5:30PM) - Overall Peak Hour

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

All Movements

ID: 599580, Location: 29.679747, -95.098455



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | E Pasadena Blvd Westbound | | | | | | East Blvd Northbound | | | | | | E Pasadena Blvd Eastbound | | | | | | Int |
|---------------------------------------|----------------------|------------|------------|----------|--------------|----------|---------------------------|------------|------------|----------|--------------|----------|----------------------|------------|------------|----------|--------------|----------|---------------------------|------------|-----------|----------|--------------|----------|-------------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 4:30PM | 36 | 202 | 35 | 0 | 273 | 0 | 25 | 83 | 44 | 0 | 152 | 0 | 19 | 129 | 45 | 0 | 193 | 0 | 47 | 66 | 18 | 0 | 131 | 0 | 749 |
| 4:45PM | 47 | 228 | 28 | 0 | 303 | 0 | 19 | 80 | 25 | 0 | 124 | 0 | 19 | 140 | 50 | 0 | 209 | 0 | 55 | 71 | 18 | 0 | 144 | 0 | 780 |
| 5:00PM | 37 | 197 | 32 | 0 | 266 | 0 | 25 | 127 | 38 | 0 | 190 | 0 | 34 | 139 | 53 | 0 | 226 | 0 | 37 | 59 | 16 | 0 | 112 | 0 | 794 |
| 5:15PM | 52 | 186 | 27 | 0 | 265 | 0 | 34 | 107 | 40 | 0 | 181 | 0 | 37 | 143 | 49 | 0 | 229 | 0 | 53 | 76 | 11 | 0 | 140 | 0 | 815 |
| Total | 172 | 813 | 122 | 0 | 1107 | 0 | 103 | 397 | 147 | 0 | 647 | 0 | 109 | 551 | 197 | 0 | 857 | 0 | 192 | 272 | 63 | 0 | 527 | 0 | 3138 |
| % Approach | 15.5% | 73.4% | 11.0% | 0% | - | - | 15.9% | 61.4% | 22.7% | 0% | - | - | 12.7% | 64.3% | 23.0% | 0% | - | - | 36.4% | 51.6% | 12.0% | 0% | - | - | - |
| % Total | 5.5% | 25.9% | 3.9% | 0% | 35.3% | - | 3.3% | 12.7% | 4.7% | 0% | 20.6% | - | 3.5% | 17.6% | 6.3% | 0% | 27.3% | - | 6.1% | 8.7% | 2.0% | 0% | 16.8% | - | - |
| PHF | 0.827 | 0.891 | 0.871 | - | 0.913 | - | 0.757 | 0.781 | 0.835 | - | 0.851 | - | 0.736 | 0.963 | 0.929 | - | 0.936 | - | 0.873 | 0.895 | 0.875 | - | 0.915 | - | 0.963 |
| Lights | 171 | 809 | 118 | 0 | 1098 | - | 102 | 392 | 146 | 0 | 640 | - | 109 | 547 | 196 | 0 | 852 | - | 192 | 270 | 62 | 0 | 524 | - | 3114 |
| % Lights | 99.4% | 99.5% | 96.7% | 0% | 99.2% | - | 99.0% | 98.7% | 99.3% | 0% | 98.9% | - | 100% | 99.3% | 99.5% | 0% | 99.4% | - | 100% | 99.3% | 98.4% | 0% | 99.4% | - | 99.2% |
| Articulate Trucks | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 1 | 0 | 2 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | - | 3 |
| % Articulate Trucks | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.3% | 0.7% | 0% | 0.3% | - | 0% | 0.2% | 0% | 0% | 0.1% | - | 0% | 0% | 0% | 0% | 0% | - | 0.1% |
| Buses and Single-Unit Trucks | 1 | 4 | 4 | 0 | 9 | - | 1 | 4 | 0 | 0 | 5 | - | 0 | 3 | 1 | 0 | 4 | - | 0 | 2 | 1 | 0 | 3 | - | 21 |
| % Buses and Single-Unit Trucks | 0.6% | 0.5% | 3.3% | 0% | 0.8% | - | 1.0% | 1.0% | 0% | 0% | 0.8% | - | 0% | 0.5% | 0.5% | 0% | 0.5% | - | 0% | 0.7% | 1.6% | 0% | 0.6% | - | 0.7% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

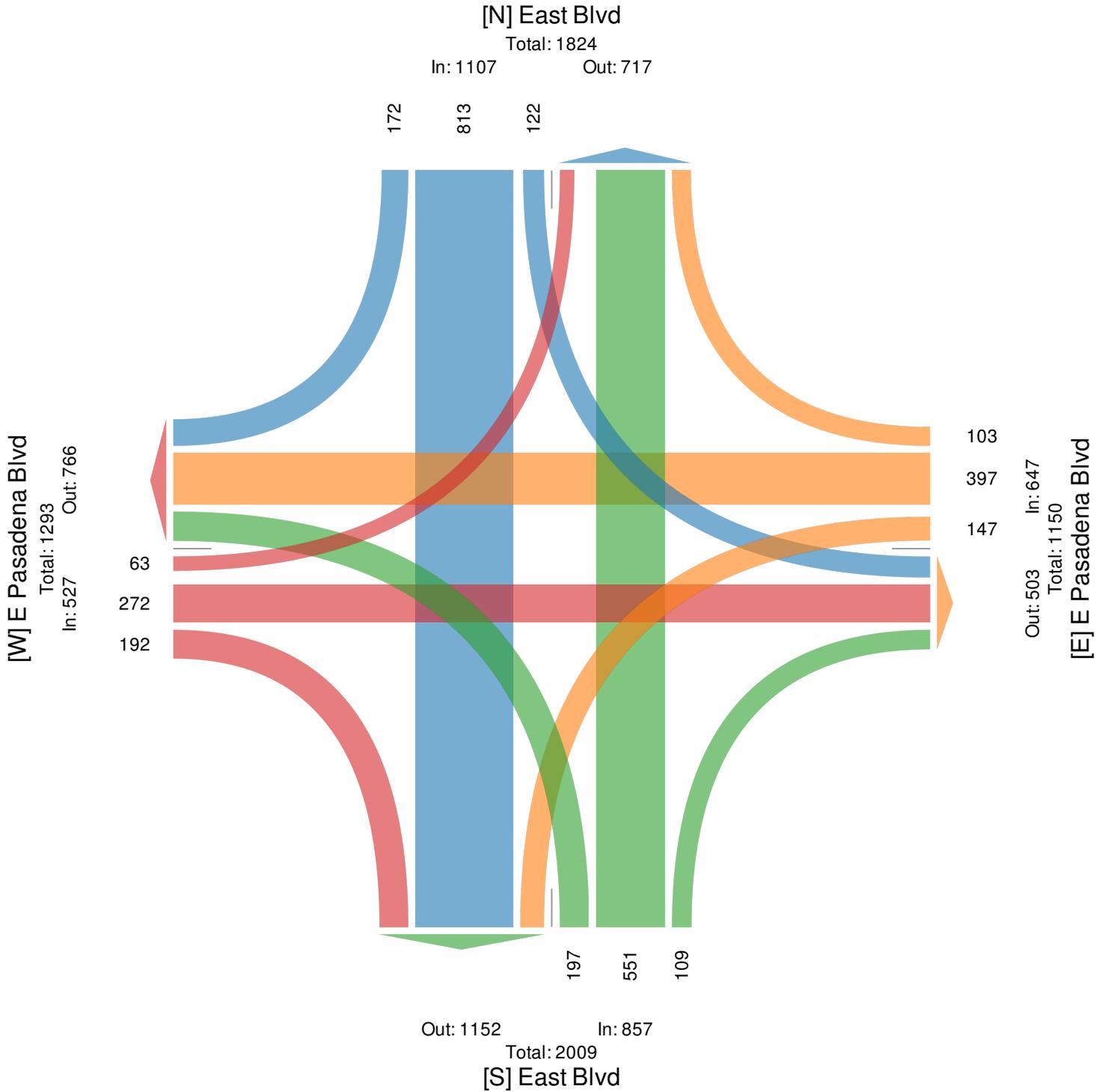
*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

East Blvd at E Pasadena Blvd - TMC

Tue Dec 18, 2018
 PM Peak (Dec 18 2018 4:30PM - 5:30PM) - Overall Peak Hour
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks,
 Pedestrians)
 All Movements
 ID: 599580, Location: 29.679747, -95.098455



Provided by: C. J. Hensch & Associates Inc.
 5215 Sycamore Ave.,
 Pasadena, TX, 77503, US



East Blvd at Aaron St - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM(+1))

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

All Movements

ID: 599579, Location: 29.674497, -95.098355



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | Aaron St Westbound | | | | | | East Blvd Northbound | | | | | | Aaron St Eastbound | | | | | | Int | | | | | | |
|---------------|----------------------|-----|----|---|-----|------|--------------------|---|-----|---|-----|------|----------------------|-----|---|---|-----|------|--------------------|---|---|---|-----|------|-----|---|---|---|---|---|------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | | | | | | | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00AM | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 12:15AM | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 12:30AM | 0 | 5 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 12:45AM | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Hourly Total | 0 | 23 | 1 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 49 | 0 | 0 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 |
| 1:00AM | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 1:15AM | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 1:30AM | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 1:45AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Hourly Total | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| 2:00AM | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 2:15AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 2:30AM | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 2:45AM | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Hourly Total | 0 | 19 | 0 | 0 | 19 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 13 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| 3:00AM | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 3:15AM | 0 | 3 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 3:30AM | 0 | 8 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 3:45AM | 0 | 12 | 1 | 0 | 13 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| Hourly Total | 0 | 29 | 1 | 0 | 30 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 1 | 32 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| 4:00AM | 0 | 17 | 0 | 0 | 17 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 16 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 |
| 4:15AM | 0 | 20 | 0 | 0 | 20 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 20 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| 4:30AM | 0 | 17 | 1 | 0 | 18 | 0 | 2 | 0 | 2 | 0 | 4 | 0 | 0 | 30 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 |
| 4:45AM | 0 | 24 | 0 | 0 | 24 | 0 | 5 | 0 | 1 | 0 | 6 | 0 | 0 | 30 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| Hourly Total | 0 | 78 | 1 | 0 | 79 | 0 | 12 | 0 | 3 | 0 | 15 | 0 | 0 | 96 | 0 | 0 | 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 190 |
| 5:00AM | 0 | 31 | 0 | 0 | 31 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 50 | 0 | 1 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 |
| 5:15AM | 0 | 35 | 0 | 0 | 35 | 0 | 2 | 0 | 4 | 0 | 6 | 0 | 3 | 59 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 103 |
| 5:30AM | 0 | 42 | 3 | 1 | 46 | 0 | 6 | 0 | 5 | 0 | 11 | 0 | 4 | 83 | 0 | 0 | 87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 144 |
| 5:45AM | 0 | 54 | 0 | 0 | 54 | 0 | 11 | 0 | 3 | 0 | 14 | 0 | 1 | 78 | 0 | 0 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 147 |
| Hourly Total | 0 | 162 | 3 | 1 | 166 | 0 | 23 | 0 | 12 | 0 | 35 | 0 | 8 | 270 | 0 | 1 | 279 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 480 |
| 6:00AM | 0 | 67 | 1 | 0 | 68 | 0 | 5 | 0 | 3 | 0 | 8 | 0 | 1 | 121 | 0 | 0 | 122 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198 |
| 6:15AM | 0 | 88 | 1 | 0 | 89 | 0 | 9 | 0 | 7 | 0 | 16 | 0 | 4 | 87 | 0 | 0 | 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 196 |
| 6:30AM | 0 | 93 | 0 | 0 | 93 | 0 | 8 | 0 | 12 | 0 | 20 | 0 | 3 | 120 | 0 | 0 | 123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 236 |
| 6:45AM | 0 | 115 | 1 | 0 | 116 | 1 | 13 | 0 | 11 | 0 | 24 | 1 | 1 | 128 | 0 | 0 | 129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 269 |
| Hourly Total | 0 | 363 | 3 | 0 | 366 | 1 | 35 | 0 | 33 | 0 | 68 | 1 | 9 | 456 | 0 | 0 | 465 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 899 |
| 7:00AM | 0 | 126 | 7 | 0 | 133 | 0 | 11 | 0 | 8 | 0 | 19 | 0 | 7 | 113 | 0 | 0 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 272 |
| 7:15AM | 0 | 176 | 21 | 0 | 197 | 0 | 26 | 0 | 35 | 0 | 61 | 0 | 16 | 131 | 0 | 0 | 147 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 405 |
| 7:30AM | 0 | 153 | 14 | 0 | 167 | 0 | 32 | 0 | 40 | 0 | 72 | 0 | 38 | 141 | 0 | 0 | 179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 418 |
| 7:45AM | 0 | 149 | 39 | 0 | 188 | 0 | 41 | 0 | 52 | 0 | 93 | 0 | 43 | 140 | 0 | 0 | 183 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 464 |
| Hourly Total | 0 | 604 | 81 | 0 | 685 | 0 | 110 | 0 | 135 | 0 | 245 | 0 | 104 | 525 | 0 | 0 | 629 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1559 |
| 8:00AM | 0 | 129 | 12 | 0 | 141 | 0 | 13 | 0 | 36 | 0 | 49 | 0 | 24 | 142 | 0 | 1 | 167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 357 |
| 8:15AM | 0 | 102 | 2 | 0 | 104 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 4 | 113 | 0 | 0 | 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 231 |
| 8:30AM | 0 | 100 | 0 | 0 | 100 | 0 | 2 | 0 | 5 | 0 | 7 | 0 | 2 | 87 | 0 | 0 | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 196 |
| 8:45AM | 0 | 114 | 1 | 0 | 115 | 0 | 3 | 0 | 7 | 0 | 10 | 0 | 1 | 93 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 219 |
| Hourly Total | 0 | 445 | 15 | 0 | 460 | 0 | 23 | 0 | 53 | 0 | 76 | 0 | 31 | 435 | 0 | 1 | 467 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1003 |
| 9:00AM | 0 | 97 | 0 | 0 | 97 | 0 | 4 | 0 | 7 | 0 | 11 | 0 | 0 | 78 | 0 | 0 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 186 |
| 9:15AM | 0 | 107 | 4 | 0 | 111 | 0 | 4 | 0 | 8 | 0 | 12 | 0 | 8 | 98 | 0 | 0 | 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 229 |
| 9:30AM | 0 | 98 | 2 | 0 | 100 | 0 | 3 | 0 | 5 | 0 | 8 | 0 | 6 | 95 | 0 | 0 | 101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209 |
| 9:45AM | 0 | 120 | 1 | 0 | 121 | 0 | 3 | 0 | 3 | 0 | 6 | 0 | 8 | 95 | 0 | 0 | 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 230 |
| Hourly Total | 0 | 422 | 7 | 0 | 429 | 0 | 14 | 0 | 23 | 0 | 37 | 0 | 22 | 366 | 0 | 0 | 388 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 854 |
| 10:00AM | 0 | 106 | 4 | 0 | 110 | 0 | 7 | 0 | 10 | 0 | 17 | 0 | 5 | 86 | 0 | 0 | 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 218 |
| 10:15AM | 0 | 124 | 1 | 0 | 125 | 0 | 9 | 0 | 5 | 0 | 14 | 0 | 7 | 95 | 0 | 1 | 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 242 |
| 10:30AM | 0 | 133 | 2 | 0 | 135 | 0 | 4 | 0 | 8 | 0 | 12 | 0 | 6 | 114 | 0 | 0 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 267 |
| 10:45AM | 0 | 140 | 3 | 0 | 143 | 0 | 5 | 0 | 6 | 0 | 11 | 0 | 4 | 127 | 0 | 0 | 131 | 0 | 0 | 0 | 0 | | | | | | | | | | |

| Leg Direction | East Blvd Southbound | | | | | | | Aaron St Westbound | | | | | | | East Blvd Northbound | | | | | | | Aaron St 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 | | | | |
| % Articulated Trucks | 0% | 0.3% | 0% | 0% | 0.3% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.3% | 0% | 7.7% | 0.3% | - | 0% | 0% | 0% | 0% | - | - | 0.3% | | | | |
| Buses and Single-Unit Trucks | 0 | 78 | 4 | 0 | 82 | - | 4 | 0 | 9 | 0 | 13 | - | 7 | 79 | 0 | 1 | 87 | - | 0 | 0 | 0 | 0 | 0 | - | 182 | | | | |
| % Buses and Single-Unit Trucks | 0% | 0.8% | 1.0% | 0% | 0.8% | - | 0.9% | 0% | 1.4% | 0% | 1.1% | - | 0.9% | 0.8% | 0% | 7.7% | 0.8% | - | 0% | 0% | 0% | 0% | - | - | 0.8% | | | | |
| Pedestrians | - | - | - | - | - | 1 | - | - | - | - | - | 1 | - | - | - | - | - | 1 | - | - | - | - | - | 2 | | | | | |
| % Pedestrians | - | - | - | - | - | -100% | - | - | - | - | - | -100% | - | - | - | - | - | -100% | - | - | - | - | - | -100% | - | | | | |

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

East Blvd at Aaron St - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM (+1))

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

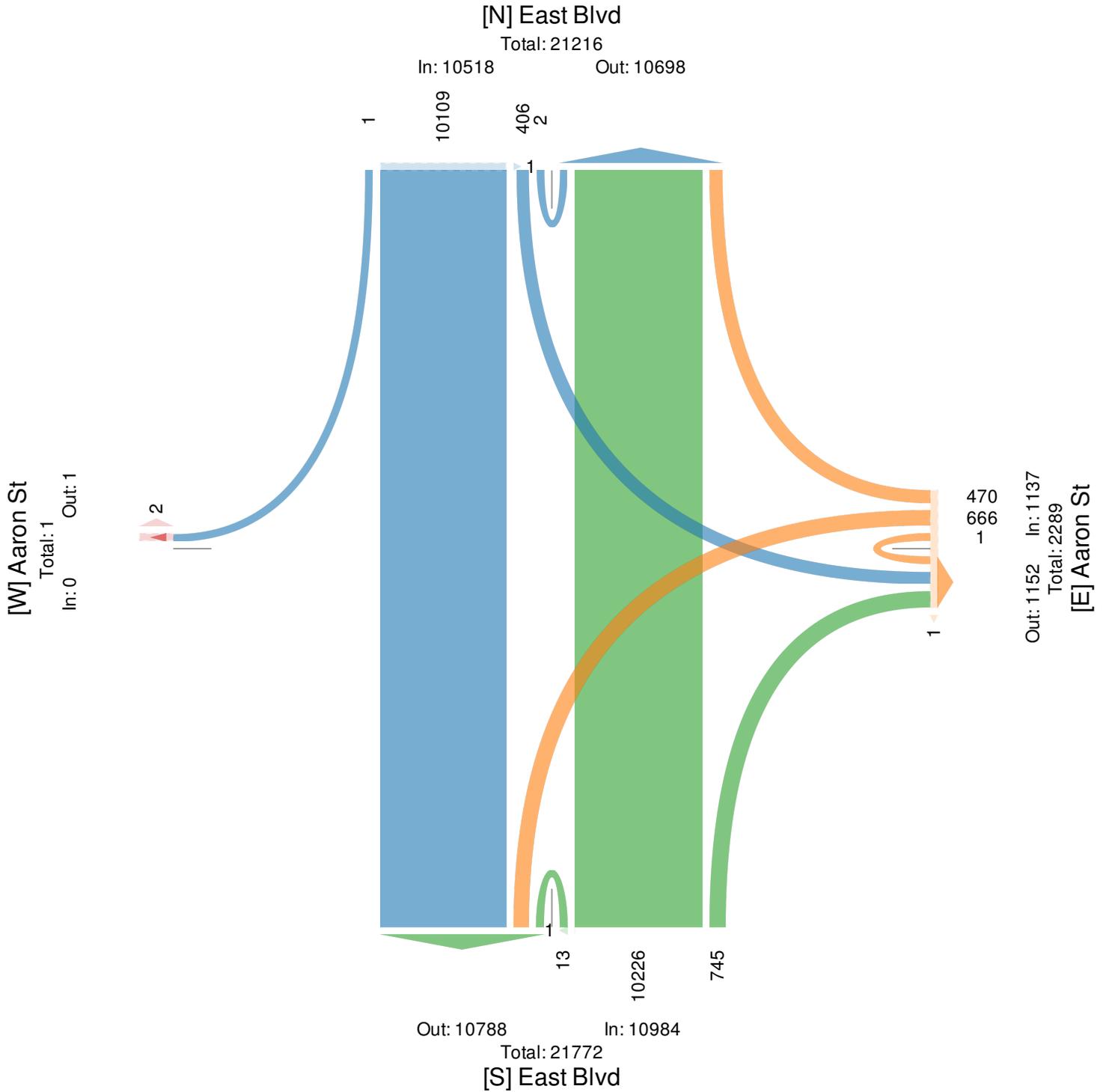
All Movements

ID: 599579, Location: 29.674497, -95.098355



Provided by: C. J. Hensch & Associates Inc.

5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at Aaron St - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7:15AM - 8:15AM)

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

All Movements

ID: 599579, Location: 29.674497, -95.098355



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | Aaron St Westbound | | | | | | East Blvd Northbound | | | | | | Aaron St Eastbound | | | | | | Int |
|---------------------------------------|----------------------|-------|-------|----|-------|------|--------------------|----|-------|----|-------|------|----------------------|-------|----|-------|-------|------|--------------------|----|----|----|-----|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7:15AM | 0 | 176 | 21 | 0 | 197 | 0 | 26 | 0 | 35 | 0 | 61 | 0 | 16 | 131 | 0 | 0 | 147 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 405 |
| 7:30AM | 0 | 153 | 14 | 0 | 167 | 0 | 32 | 0 | 40 | 0 | 72 | 0 | 38 | 141 | 0 | 0 | 179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 418 |
| 7:45AM | 0 | 149 | 39 | 0 | 188 | 0 | 41 | 0 | 52 | 0 | 93 | 0 | 43 | 140 | 0 | 0 | 183 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 464 |
| 8:00AM | 0 | 129 | 12 | 0 | 141 | 0 | 13 | 0 | 36 | 0 | 49 | 0 | 24 | 142 | 0 | 1 | 167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 357 |
| Total | 0 | 607 | 86 | 0 | 693 | 0 | 112 | 0 | 163 | 0 | 275 | 0 | 121 | 554 | 0 | 1 | 676 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1644 |
| % Approach | 0% | 87.6% | 12.4% | 0% | - | - | 40.7% | 0% | 59.3% | 0% | - | - | 17.9% | 82.0% | 0% | 0.1% | - | - | 0% | 0% | 0% | 0% | - | - | - |
| % Total | 0% | 36.9% | 5.2% | 0% | 42.2% | - | 6.8% | 0% | 9.9% | 0% | 16.7% | - | 7.4% | 33.7% | 0% | 0.1% | 41.1% | - | 0% | 0% | 0% | 0% | 0% | - | - |
| PHF | - | 0.862 | 0.551 | - | 0.879 | - | 0.683 | - | 0.784 | - | 0.739 | - | 0.703 | 0.975 | - | 0.250 | 0.923 | - | - | - | - | - | - | - | 0.886 |
| Lights | 0 | 598 | 86 | 0 | 684 | - | 111 | 0 | 161 | 0 | 272 | - | 120 | 536 | 0 | 1 | 657 | - | 0 | 0 | 0 | 0 | 0 | - | 1613 |
| % Lights | 0% | 98.5% | 100% | 0% | 98.7% | - | 99.1% | 0% | 98.8% | 0% | 98.9% | - | 99.2% | 96.8% | 0% | 100% | 97.2% | - | 0% | 0% | 0% | 0% | - | - | 98.1% |
| Articulated Trucks | 0 | 2 | 0 | 0 | 2 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | - | 3 |
| % Articulated Trucks | 0% | 0.3% | 0% | 0% | 0.3% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.2% | 0% | 0% | 0.1% | - | 0% | 0% | 0% | 0% | - | - | 0.2% |
| Buses and Single-Unit Trucks | 0 | 7 | 0 | 0 | 7 | - | 1 | 0 | 2 | 0 | 3 | - | 1 | 17 | 0 | 0 | 18 | - | 0 | 0 | 0 | 0 | 0 | - | 28 |
| % Buses and Single-Unit Trucks | 0% | 1.2% | 0% | 0% | 1.0% | - | 0.9% | 0% | 1.2% | 0% | 1.1% | - | 0.8% | 3.1% | 0% | 0% | 2.7% | - | 0% | 0% | 0% | 0% | - | - | 1.7% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

East Blvd at Aaron St - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7:15AM - 8:15AM)

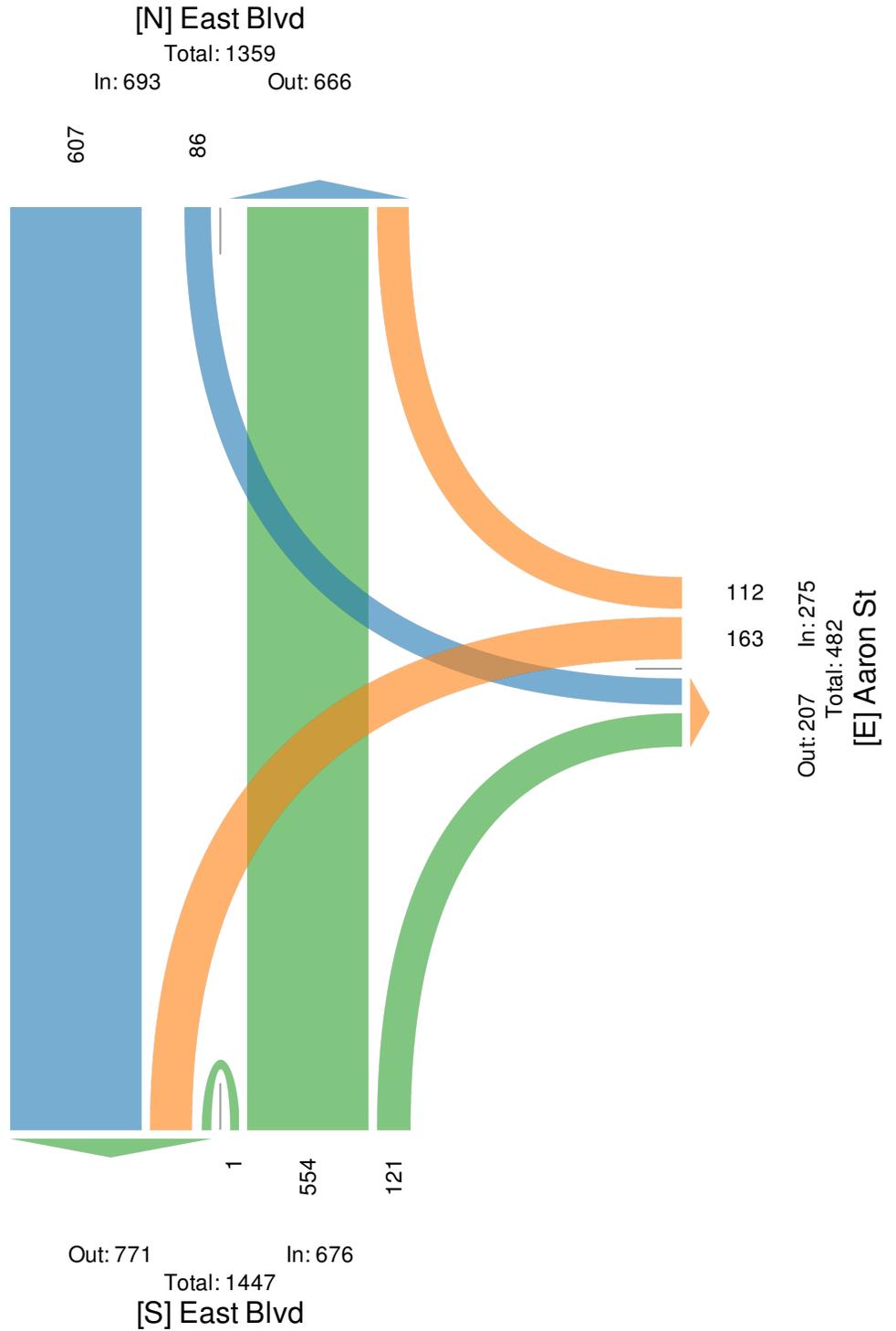
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599579, Location: 29.674497, -95.098355



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at Aaron St - TMC

Tue Dec 18, 2018

Midday Peak (Dec 18 2018 12PM - 1PM)

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

All Movements

ID: 599579, Location: 29.674497, -95.098355



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | Aaron St Westbound | | | | | | East Blvd Northbound | | | | | | Aaron St 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 |
| 2018-12-18 12:00PM | 0 | 194 | 4 | 0 | 198 | 0 | 6 | 0 | 6 | 0 | 12 | 0 | 6 | 169 | 0 | 0 | 175 | 0 | 0 | 0 | 0 | 0 | 0 | | 385 |
| 12:15PM | 0 | 169 | 4 | 0 | 173 | 0 | 3 | 0 | 7 | 0 | 10 | 0 | 4 | 191 | 0 | 0 | 195 | 1 | 0 | 0 | 0 | 0 | 1 | | 378 |
| 12:30PM | 0 | 162 | 4 | 0 | 166 | 0 | 6 | 0 | 9 | 0 | 15 | 0 | 10 | 202 | 0 | 1 | 213 | 0 | 0 | 0 | 0 | 0 | 0 | | 394 |
| 12:45PM | 0 | 174 | 2 | 0 | 176 | 0 | 5 | 0 | 7 | 0 | 12 | 0 | 7 | 169 | 0 | 0 | 176 | 0 | 0 | 0 | 0 | 0 | 0 | | 364 |
| Total | 0 | 699 | 14 | 0 | 713 | 0 | 20 | 0 | 29 | 0 | 49 | 0 | 27 | 731 | 0 | 1 | 759 | 1 | 0 | 0 | 0 | 0 | 1 | | 1521 |
| % Approach | 0% | 98.0% | 2.0% | 0% | - | - | 40.8% | 0% | 59.2% | 0% | - | - | 3.6% | 96.3% | 0% | 0.1% | - | - | 0% | 0% | 0% | 0% | - | - | - |
| % Total | 0% | 46.0% | 0.9% | 0% | 46.9% | - | 1.3% | 0% | 1.9% | 0% | 3.2% | - | 1.8% | 48.1% | 0% | 0.1% | 49.9% | - | 0% | 0% | 0% | 0% | 0% | - | - |
| PHF | - | 0.901 | 0.875 | - | 0.900 | - | 0.833 | - | 0.806 | - | 0.817 | - | 0.675 | 0.905 | - | 0.250 | 0.891 | - | - | - | - | - | - | - | 0.965 |
| Lights | 0 | 692 | 13 | 0 | 705 | - | 20 | 0 | 29 | 0 | 49 | - | 26 | 723 | 0 | 1 | 750 | - | 0 | 0 | 0 | 0 | - | - | 1504 |
| % Lights | 0% | 99.0% | 92.9% | 0% | 98.9% | - | 100% | 0% | 100% | 0% | 100% | - | 96.3% | 98.9% | 0% | 100% | 98.8% | - | 0% | 0% | 0% | 0% | - | - | 98.9% |
| Articulated Trucks | 0 | 0 | 0 | 0 | 0 | - | 0 | 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% | 0% | 0% | - | 0% | 0% | 0% | 0% | - | - | 0% |
| Buses and Single-Unit Trucks | 0 | 7 | 1 | 0 | 8 | - | 0 | 0 | 0 | 0 | 0 | - | 1 | 8 | 0 | 0 | 9 | - | 0 | 0 | 0 | 0 | - | - | 17 |
| % Buses and Single-Unit Trucks | 0% | 1.0% | 7.1% | 0% | 1.1% | - | 0% | 0% | 0% | 0% | 0% | - | 3.7% | 1.1% | 0% | 0% | 1.2% | - | 0% | 0% | 0% | 0% | - | - | 1.1% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 1 | - | - | - | - | - | 1 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 100% | - | - | - | - | - | 100% | - |

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

East Blvd at Aaron St - TMC

Tue Dec 18, 2018

Midday Peak (Dec 18 2018 12PM - 1PM)

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

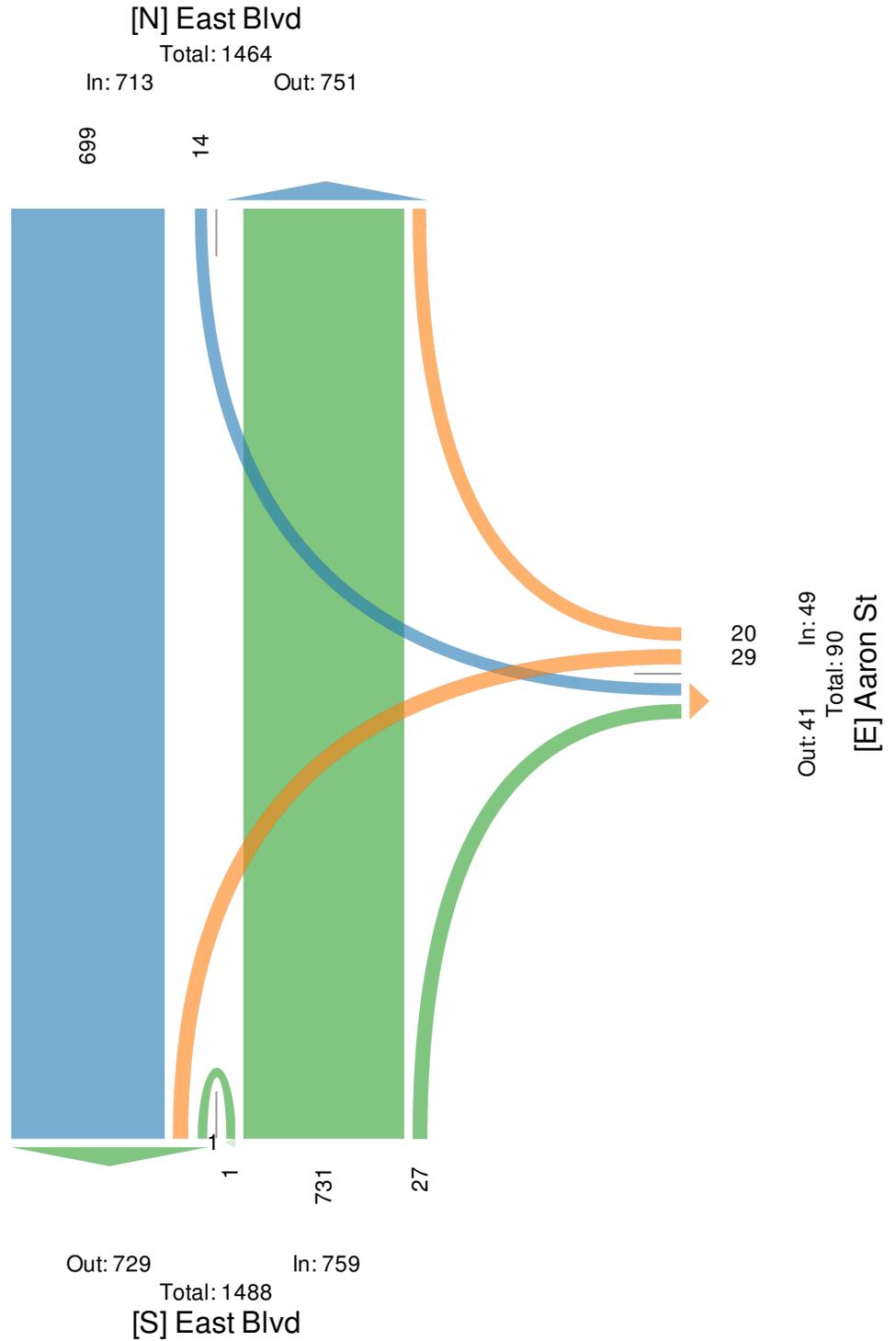
All Movements

ID: 599579, Location: 29.674497, -95.098355



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US

[W] Aaron St



East Blvd at Aaron St - TMC

Tue Dec 18, 2018

PM Peak (Dec 18 2018 4:30PM - 5:30PM) - Overall Peak Hour

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

All Movements

ID: 599579, Location: 29.674497, -95.098355



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | Aaron St Westbound | | | | | | East Blvd Northbound | | | | | | Aaron St Eastbound | | | | | | Int | | |
|---------------------------------------|----------------------|-------|-------|----|-------|------|--------------------|----|-------|----|-------|------|----------------------|-------|----|-------|-------|------|--------------------|----|----|----|-----|------|-----|---|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | | | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:30PM | 0 | 277 | 15 | 0 | 292 | 0 | 5 | 0 | 9 | 0 | 14 | 0 | 15 | 189 | 0 | 0 | 204 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 510 |
| 4:45PM | 0 | 304 | 7 | 0 | 311 | 0 | 4 | 0 | 13 | 0 | 17 | 0 | 12 | 212 | 0 | 1 | 225 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 553 |
| 5:00PM | 0 | 249 | 13 | 0 | 262 | 0 | 8 | 0 | 13 | 0 | 21 | 0 | 17 | 214 | 0 | 0 | 231 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 514 |
| 5:15PM | 0 | 247 | 13 | 0 | 260 | 0 | 7 | 0 | 13 | 0 | 20 | 0 | 22 | 231 | 0 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 533 |
| Total | 0 | 1077 | 48 | 0 | 1125 | 0 | 24 | 0 | 48 | 0 | 72 | 0 | 66 | 846 | 0 | 1 | 913 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2110 |
| % Approach | 0% | 95.7% | 4.3% | 0% | - | - | 33.3% | 0% | 66.7% | 0% | - | - | 7.2% | 92.7% | 0% | 0.1% | - | - | 0% | 0% | 0% | 0% | - | - | - | - | - |
| % Total | 0% | 51.0% | 2.3% | 0% | 53.3% | - | 1.1% | 0% | 2.3% | 0% | 3.4% | - | 3.1% | 40.1% | 0% | 0% | 43.3% | - | 0% | 0% | 0% | 0% | 0% | 0% | - | - | - |
| PHF | - | 0.886 | 0.800 | - | 0.904 | - | 0.750 | - | 0.923 | - | 0.857 | - | 0.750 | 0.916 | - | 0.250 | 0.902 | - | - | - | - | - | - | - | - | - | 0.954 |
| Lights | 0 | 1073 | 47 | 0 | 1120 | - | 23 | 0 | 48 | 0 | 71 | - | 64 | 843 | 0 | 1 | 908 | - | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 2099 |
| % Lights | 0% | 99.6% | 97.9% | 0% | 99.6% | - | 95.8% | 0% | 100% | 0% | 98.6% | - | 97.0% | 99.6% | 0% | 100% | 99.5% | - | 0% | 0% | 0% | 0% | - | - | - | - | 99.5% |
| Articulate Trucks | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 2 |
| % Articulate Trucks | 0% | 0.1% | 0% | 0% | 0.1% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.1% | 0% | 0% | 0.1% | - | 0% | 0% | 0% | 0% | - | - | - | - | 0.1% |
| Buses and Single-Unit Trucks | 0 | 3 | 1 | 0 | 4 | - | 1 | 0 | 0 | 0 | 1 | - | 2 | 2 | 0 | 0 | 4 | - | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 9 |
| % Buses and Single-Unit Trucks | 0% | 0.3% | 2.1% | 0% | 0.4% | - | 4.2% | 0% | 0% | 0% | 1.4% | - | 3.0% | 0.2% | 0% | 0% | 0.4% | - | 0% | 0% | 0% | 0% | - | - | - | - | 0.4% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | - | 0 | 0 | 0 |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

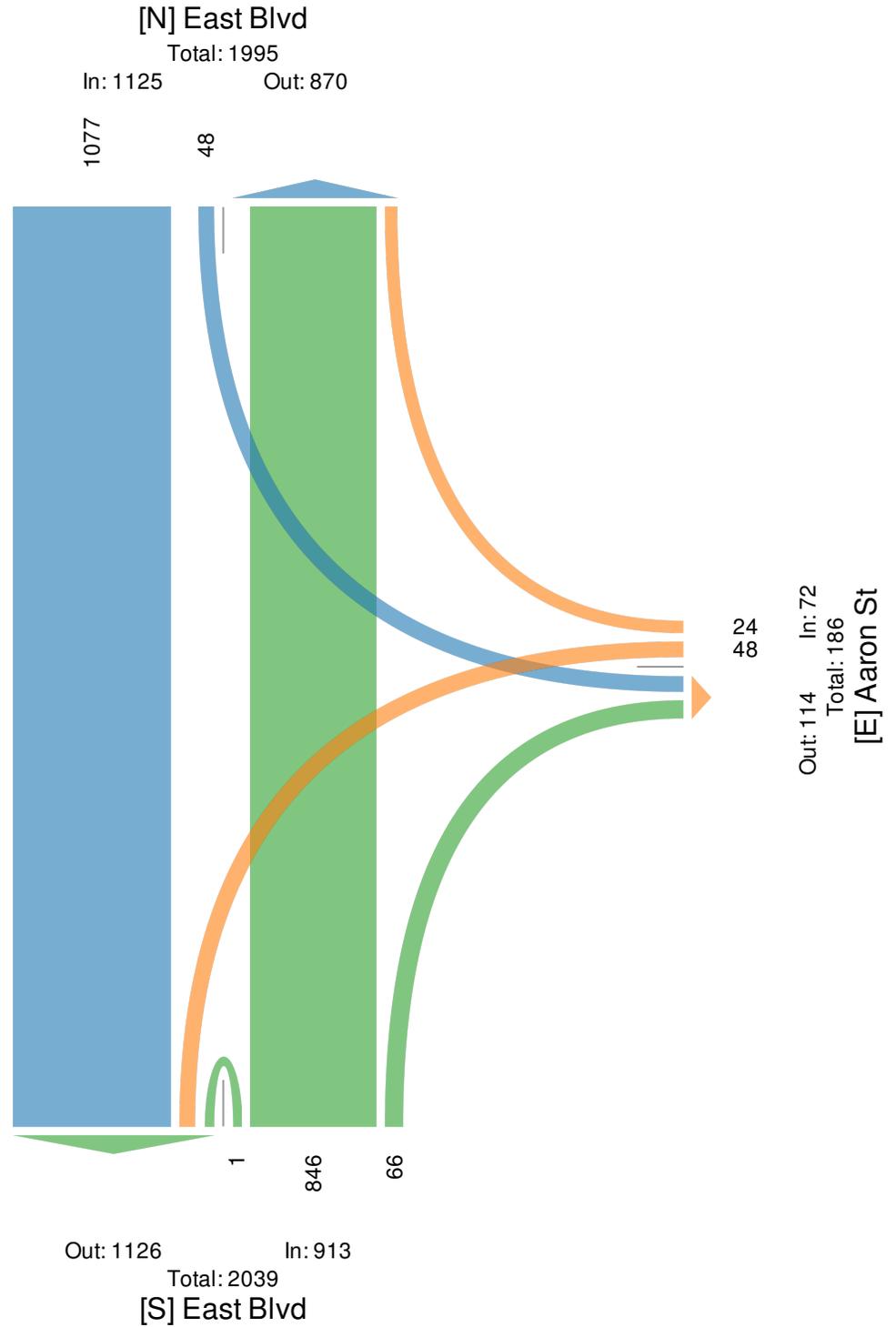
*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

East Blvd at Aaron St - TMC

Tue Dec 18, 2018
 PM Peak (Dec 18 2018 4:30PM - 5:30PM) - Overall Peak Hour
 All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks,
 Pedestrians)
 All Movements
 ID: 599579, Location: 29.674497, -95.098355



Provided by: C. J. Hensch & Associates Inc.
 5215 Sycamore Ave.,
 Pasadena, TX, 77503, US



East Blvd at Walmart/HEB Driveways - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM(+1))

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

All Movements

ID: 599586, Location: 29.666591, -95.098194



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | HEB Drwy Westbound | | | | | | East Blvd Northbound | | | | | | Walmart Drwy Eastbound | | | | | | Int | | | | | | |
|---------------|----------------------|-----|----|---|-----|------|--------------------|----|----|---|-----|------|----------------------|-----|----|---|-----|------|------------------------|----|----|---|-----|------|-----|--|--|--|--|--|------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | | | | | | | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00AM | 4 | 6 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 1 | 0 | 13 | 0 | 0 | 0 | 4 | 0 | 4 | 0 | | | | | | | 27 |
| 12:15AM | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | | | | | | | 20 |
| 12:30AM | 1 | 4 | 0 | 0 | 5 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 1 | 0 | 5 | 0 | 6 | 0 | | | | | | | 20 |
| 12:45AM | 2 | 3 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | | | | | | | 20 |
| Hourly Total | 7 | 20 | 1 | 0 | 28 | 0 | 3 | 0 | 1 | 0 | 4 | 0 | 1 | 37 | 1 | 0 | 39 | 0 | 3 | 0 | 13 | 0 | 16 | 0 | | | | | | | 87 |
| 1:00AM | 3 | 5 | 0 | 0 | 8 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 3 | 0 | 2 | 1 | 1 | 0 | 4 | 0 | | | | | | | 16 |
| 1:15AM | 1 | 5 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 8 | 0 | 0 | 8 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | | | | | | | 17 |
| 1:30AM | 2 | 5 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | | | | | | | 13 |
| 1:45AM | 1 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 14 |
| Hourly Total | 7 | 19 | 0 | 0 | 26 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | 0 | 23 | 0 | 1 | 24 | 0 | 4 | 1 | 3 | 0 | 8 | 0 | | | | | | | 60 |
| 2:00AM | 3 | 6 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 13 |
| 2:15AM | 1 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 11 |
| 2:30AM | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 3 |
| 2:45AM | 2 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 5 |
| Hourly Total | 7 | 13 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 32 |
| 3:00AM | 2 | 4 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 11 |
| 3:15AM | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 8 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | | | | | | | 12 |
| 3:30AM | 1 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | | | | | | | 16 |
| 3:45AM | 3 | 11 | 1 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 11 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | | | | | | | 27 |
| Hourly Total | 6 | 23 | 1 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 32 | 0 | 0 | 33 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | | | | | | | 66 |
| 4:00AM | 4 | 11 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 1 | 0 | 16 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | | | | | | | 33 |
| 4:15AM | 1 | 20 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | | | | | | | 46 |
| 4:30AM | 1 | 16 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 27 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | | | | | | | 47 |
| 4:45AM | 5 | 19 | 2 | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 31 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | | | | | | | 59 |
| Hourly Total | 11 | 66 | 2 | 0 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | 1 | 0 | 96 | 0 | 3 | 0 | 7 | 0 | 10 | 0 | | | | | | | 185 |
| 5:00AM | 8 | 20 | 0 | 0 | 28 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 45 | 0 | 0 | 46 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | | | | | | | 77 |
| 5:15AM | 8 | 33 | 0 | 0 | 41 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 62 | 0 | 0 | 62 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | | | | | | | 107 |
| 5:30AM | 8 | 38 | 1 | 0 | 47 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 89 | 0 | 0 | 90 | 0 | 2 | 0 | 4 | 0 | 6 | 0 | | | | | | | 144 |
| 5:45AM | 5 | 48 | 1 | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 84 | 0 | 0 | 86 | 0 | 1 | 0 | 4 | 0 | 5 | 0 | | | | | | | 145 |
| Hourly Total | 29 | 139 | 2 | 0 | 170 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 4 | 280 | 0 | 0 | 284 | 0 | 3 | 0 | 13 | 0 | 16 | 0 | | | | | | | 473 |
| 6:00AM | 6 | 58 | 4 | 0 | 68 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 3 | 107 | 0 | 0 | 110 | 0 | 2 | 0 | 4 | 0 | 6 | 0 | | | | | | | 186 |
| 6:15AM | 7 | 80 | 4 | 0 | 91 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 83 | 1 | 0 | 86 | 0 | 2 | 1 | 4 | 0 | 7 | 0 | | | | | | | 186 |
| 6:30AM | 8 | 84 | 2 | 0 | 94 | 0 | 4 | 1 | 2 | 0 | 7 | 0 | 1 | 94 | 1 | 0 | 96 | 0 | 1 | 0 | 3 | 0 | 4 | 0 | | | | | | | 201 |
| 6:45AM | 14 | 108 | 2 | 0 | 124 | 0 | 3 | 0 | 1 | 0 | 4 | 0 | 5 | 124 | 0 | 0 | 129 | 1 | 3 | 0 | 4 | 0 | 7 | 0 | | | | | | | 264 |
| Hourly Total | 35 | 330 | 12 | 0 | 377 | 0 | 11 | 1 | 3 | 0 | 15 | 0 | 11 | 408 | 2 | 0 | 421 | 1 | 8 | 1 | 15 | 0 | 24 | 0 | | | | | | | 837 |
| 7:00AM | 17 | 113 | 4 | 0 | 134 | 0 | 2 | 1 | 4 | 0 | 7 | 0 | 2 | 115 | 1 | 1 | 119 | 0 | 7 | 2 | 12 | 0 | 21 | 0 | | | | | | | 281 |
| 7:15AM | 21 | 167 | 8 | 0 | 196 | 0 | 4 | 1 | 5 | 0 | 10 | 0 | 4 | 141 | 1 | 0 | 146 | 0 | 4 | 1 | 13 | 0 | 18 | 0 | | | | | | | 370 |
| 7:30AM | 17 | 151 | 9 | 0 | 177 | 0 | 10 | 0 | 3 | 0 | 13 | 0 | 2 | 167 | 2 | 2 | 173 | 0 | 7 | 1 | 10 | 0 | 18 | 0 | | | | | | | 381 |
| 7:45AM | 27 | 171 | 20 | 1 | 219 | 0 | 9 | 0 | 5 | 0 | 14 | 0 | 3 | 157 | 6 | 0 | 166 | 0 | 7 | 1 | 12 | 0 | 20 | 0 | | | | | | | 419 |
| Hourly Total | 82 | 602 | 41 | 1 | 726 | 0 | 25 | 2 | 17 | 0 | 44 | 0 | 11 | 580 | 10 | 3 | 604 | 0 | 25 | 5 | 47 | 0 | 77 | 0 | | | | | | | 1451 |
| 8:00AM | 18 | 131 | 11 | 0 | 160 | 0 | 3 | 1 | 7 | 0 | 11 | 0 | 1 | 130 | 4 | 0 | 135 | 0 | 5 | 2 | 15 | 0 | 22 | 0 | | | | | | | 328 |
| 8:15AM | 12 | 82 | 5 | 0 | 99 | 0 | 9 | 1 | 5 | 0 | 15 | 0 | 4 | 99 | 2 | 0 | 105 | 0 | 10 | 2 | 6 | 0 | 18 | 0 | | | | | | | 237 |
| 8:30AM | 23 | 72 | 10 | 0 | 105 | 0 | 5 | 0 | 1 | 0 | 6 | 0 | 8 | 71 | 4 | 0 | 83 | 0 | 7 | 3 | 8 | 0 | 18 | 0 | | | | | | | 212 |
| 8:45AM | 33 | 82 | 8 | 1 | 124 | 0 | 9 | 0 | 3 | 0 | 12 | 0 | 4 | 70 | 2 | 0 | 76 | 0 | 6 | 1 | 10 | 0 | 17 | 0 | | | | | | | 229 |
| Hourly Total | 86 | 367 | 34 | 1 | 488 | 0 | 26 | 2 | 16 | 0 | 44 | 0 | 17 | 370 | 12 | 0 | 399 | 0 | 28 | 8 | 39 | 0 | 75 | 0 | | | | | | | 1006 |
| 9:00AM | 24 | 69 | 11 | 0 | 104 | 0 | 7 | 2 | 2 | 0 | 11 | 1 | 5 | 68 | 8 | 0 | 81 | 0 | 7 | 5 | 14 | 0 | 26 | 0 | | | | | | | 222 |
| 9:15AM | 26 | 74 | 16 | 0 | 116 | 0 | 12 | 2 | 3 | 0 | 17 | 0 | 3 | 75 | 2 | 0 | 80 | 0 | 6 | 3 | 7 | 0 | 16 | 0 | | | | | | | 229 |
| 9:30AM | 24 | 71 | 10 | 1 | 106 | 0 | 8 | 1 | 2 | 0 | 11 | 0 | 7 | 75 | 5 | 0 | 87 | 0 | 16 | 5 | 14 | 0 | 35 | 0 | | | | | | | 239 |
| 9:45AM | 32 | 82 | 7 | 0 | 121 | 0 | 10 | 4 | 5 | 0 | 19 | 0 | 4 | 70 | 3 | 0 | 77 | 0 | 10 | 2 | 15 | 0 | 27 | 0 | | | | | | | 244 |
| Hourly Total | 106 | 296 | 44 | 1 | 447 | 0 | 37 | 9 | 12 | 0 | 58 | 1 | 19 | 288 | 18 | 0 | 325 | 0 | 39 | 15 | 50 | 0 | 104 | 0 | | | | | | | 934 |
| 10:00AM | 29 | 71 | 11 | 0 | 111 | 0 | 4 | 2 | 5 | 0 | 11 | 0 | 10 | 74 | 2 | 0 | 86 | 0 | 9 | 7 | 14 | 0 | 30 | 0 | | | | | | | 238 |
| 10:15AM | 35 | 76 | 17 | 0 | 128 | 0 | 11 | 4 | 5 | 0 | 20 | 0 | 8 | 68 | 1 | 1 | 78 | 0 | 6 | 4 | 11 | 0 | 21 | 0 | | | | | | | 247 |
| 10:30AM | 32 | 97 | 18 | 0 | 147 | 0 | 12 | 2 | 5 | 0 | 19 | 0 | 9 | 88 | 2 | 0 | 99 | 0 | 14 | 5 | 19 | 0 | 38 | 0 | | | | | | | 303 |
| 10:45AM | 36 | 86 | 23 | 0 | 145 | 0 | 15 | 2 | 6 | 0 | 23 | 0 | 5 | 94 | 5 | 0 | 104 | 0 | 12 | 3 | 11 | 0 | 26 | 0 | | | | | | | 298 |
| Hourly Total | 132 | 330 | 69 | 0 | 531 | 0 | 42 | 10 | 21 | 0 | 73 | 0 | 32 | 324 | 10 | 1 | 367 | 0 | 41 | 19 | 55 | 0 | 115 | 0 | | | | | | | 1086 |
| 11:00AM | 33 | 94 | 17 | 0 | 144 | 0 | 14 | 1 | 5 | 0 | 20 | 0 | 6 | 84 | 9 | 1 | 100 | 0 | 12 | 6 | 13 | 0 | 31 | 0 | | | | | | | |

| Leg Direction | East Blvd Southbound | | | | | | HEB Drwy Westbound | | | | | | East Blvd Northbound | | | | | | Walmart Drwy Eastbound | | | | | | Int |
|-------------------|----------------------|-------|-------|-------|-------|------|--------------------|------|-------|----|------|------|----------------------|-------|------|------|-------|------|------------------------|-------|-------|----|-------|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 1:30PM | 31 | 89 | 16 | 0 | 136 | 0 | 16 | 4 | 10 | 0 | 30 | 0 | 11 | 137 | 3 | 0 | 151 | 2 | 16 | 3 | 12 | 0 | 31 | 0 | 348 |
| 1:45PM | 41 | 98 | 29 | 0 | 168 | 0 | 27 | 2 | 9 | 0 | 38 | 0 | 9 | 101 | 9 | 0 | 119 | 0 | 19 | 4 | 24 | 0 | 47 | 0 | 372 |
| Hourly Total | 151 | 394 | 91 | 0 | 636 | 0 | 77 | 14 | 36 | 0 | 127 | 0 | 44 | 462 | 26 | 1 | 533 | 2 | 74 | 17 | 77 | 0 | 168 | 0 | 1464 |
| 2:00PM | 44 | 91 | 17 | 0 | 152 | 0 | 14 | 3 | 6 | 0 | 23 | 0 | 6 | 114 | 3 | 0 | 123 | 1 | 12 | 5 | 23 | 0 | 40 | 0 | 338 |
| 2:15PM | 40 | 81 | 16 | 0 | 137 | 0 | 16 | 3 | 9 | 0 | 28 | 0 | 18 | 106 | 5 | 0 | 129 | 0 | 16 | 3 | 25 | 0 | 44 | 0 | 338 |
| 2:30PM | 36 | 98 | 23 | 0 | 157 | 0 | 24 | 0 | 8 | 0 | 32 | 0 | 8 | 110 | 3 | 1 | 122 | 0 | 13 | 4 | 31 | 0 | 48 | 0 | 359 |
| 2:45PM | 35 | 93 | 22 | 0 | 150 | 0 | 19 | 5 | 9 | 0 | 33 | 0 | 10 | 123 | 3 | 1 | 137 | 0 | 7 | 7 | 24 | 0 | 38 | 0 | 358 |
| Hourly Total | 155 | 363 | 78 | 0 | 596 | 0 | 73 | 11 | 32 | 0 | 116 | 0 | 42 | 453 | 14 | 2 | 511 | 1 | 48 | 19 | 103 | 0 | 170 | 0 | 1393 |
| 3:00PM | 43 | 94 | 20 | 0 | 157 | 0 | 23 | 0 | 7 | 0 | 30 | 0 | 12 | 101 | 5 | 0 | 118 | 0 | 19 | 8 | 22 | 0 | 49 | 0 | 354 |
| 3:15PM | 49 | 102 | 16 | 0 | 167 | 0 | 21 | 2 | 5 | 0 | 28 | 0 | 16 | 129 | 6 | 0 | 151 | 0 | 11 | 4 | 19 | 0 | 34 | 0 | 380 |
| 3:30PM | 30 | 132 | 27 | 0 | 189 | 0 | 30 | 2 | 11 | 0 | 43 | 0 | 7 | 122 | 8 | 1 | 138 | 0 | 13 | 3 | 21 | 0 | 37 | 0 | 407 |
| 3:45PM | 31 | 161 | 38 | 0 | 230 | 0 | 27 | 2 | 9 | 0 | 38 | 0 | 6 | 139 | 12 | 1 | 158 | 0 | 10 | 5 | 27 | 0 | 42 | 0 | 468 |
| Hourly Total | 153 | 489 | 101 | 0 | 743 | 0 | 101 | 6 | 32 | 0 | 139 | 0 | 41 | 491 | 31 | 2 | 565 | 0 | 53 | 20 | 89 | 0 | 162 | 0 | 1609 |
| 4:00PM | 43 | 148 | 33 | 0 | 224 | 0 | 19 | 3 | 7 | 0 | 29 | 0 | 12 | 136 | 9 | 1 | 158 | 0 | 20 | 10 | 19 | 0 | 49 | 0 | 460 |
| 4:15PM | 54 | 194 | 33 | 0 | 281 | 0 | 24 | 4 | 7 | 0 | 35 | 0 | 11 | 175 | 13 | 1 | 200 | 0 | 26 | 9 | 27 | 0 | 62 | 0 | 578 |
| 4:30PM | 54 | 183 | 45 | 0 | 282 | 0 | 28 | 4 | 7 | 0 | 39 | 0 | 12 | 118 | 15 | 1 | 146 | 1 | 18 | 5 | 29 | 0 | 52 | 0 | 519 |
| 4:45PM | 45 | 185 | 51 | 0 | 281 | 0 | 19 | 1 | 9 | 0 | 29 | 0 | 14 | 157 | 18 | 1 | 190 | 0 | 20 | 13 | 29 | 0 | 62 | 0 | 562 |
| Hourly Total | 196 | 710 | 162 | 0 | 1068 | 0 | 90 | 12 | 30 | 0 | 132 | 0 | 49 | 586 | 55 | 4 | 694 | 1 | 84 | 37 | 104 | 0 | 225 | 0 | 2119 |
| 5:00PM | 55 | 157 | 36 | 0 | 248 | 0 | 35 | 8 | 16 | 0 | 59 | 0 | 15 | 158 | 14 | 0 | 187 | 0 | 20 | 16 | 33 | 0 | 69 | 0 | 563 |
| 5:15PM | 61 | 170 | 42 | 0 | 273 | 2 | 19 | 4 | 8 | 0 | 31 | 0 | 16 | 151 | 17 | 0 | 184 | 0 | 21 | 4 | 44 | 0 | 69 | 0 | 557 |
| 5:30PM | 49 | 146 | 37 | 1 | 233 | 0 | 33 | 1 | 9 | 0 | 43 | 0 | 18 | 144 | 7 | 0 | 169 | 0 | 23 | 6 | 27 | 0 | 56 | 0 | 501 |
| 5:45PM | 47 | 188 | 44 | 0 | 279 | 0 | 28 | 3 | 13 | 0 | 44 | 0 | 10 | 172 | 10 | 2 | 194 | 0 | 20 | 3 | 30 | 0 | 53 | 0 | 570 |
| Hourly Total | 212 | 661 | 159 | 1 | 1033 | 2 | 115 | 16 | 46 | 0 | 177 | 0 | 59 | 625 | 48 | 2 | 734 | 0 | 84 | 29 | 134 | 0 | 247 | 0 | 2191 |
| 6:00PM | 42 | 142 | 26 | 0 | 210 | 1 | 27 | 1 | 8 | 0 | 36 | 0 | 8 | 160 | 11 | 3 | 182 | 0 | 18 | 6 | 34 | 0 | 58 | 0 | 486 |
| 6:15PM | 40 | 141 | 33 | 0 | 214 | 0 | 21 | 5 | 12 | 0 | 38 | 0 | 6 | 147 | 3 | 0 | 156 | 0 | 16 | 5 | 17 | 0 | 38 | 0 | 446 |
| 6:30PM | 34 | 162 | 24 | 0 | 220 | 0 | 17 | 3 | 13 | 0 | 33 | 0 | 14 | 125 | 11 | 0 | 150 | 0 | 28 | 4 | 24 | 0 | 56 | 0 | 459 |
| 6:45PM | 48 | 118 | 29 | 0 | 195 | 0 | 20 | 2 | 8 | 0 | 30 | 0 | 5 | 122 | 8 | 1 | 136 | 0 | 19 | 2 | 28 | 0 | 49 | 0 | 410 |
| Hourly Total | 164 | 563 | 112 | 0 | 839 | 1 | 85 | 11 | 41 | 0 | 137 | 0 | 33 | 554 | 33 | 4 | 624 | 0 | 81 | 17 | 103 | 0 | 201 | 0 | 1801 |
| 7:00PM | 34 | 108 | 28 | 0 | 170 | 0 | 24 | 2 | 10 | 0 | 36 | 0 | 9 | 134 | 5 | 0 | 148 | 0 | 25 | 2 | 21 | 0 | 48 | 0 | 402 |
| 7:15PM | 39 | 99 | 16 | 0 | 154 | 0 | 19 | 0 | 6 | 0 | 25 | 0 | 14 | 115 | 2 | 0 | 131 | 0 | 18 | 1 | 23 | 0 | 42 | 0 | 352 |
| 7:30PM | 38 | 86 | 16 | 0 | 140 | 0 | 20 | 7 | 11 | 0 | 38 | 0 | 12 | 106 | 0 | 1 | 119 | 0 | 14 | 3 | 26 | 0 | 43 | 0 | 340 |
| 7:45PM | 23 | 61 | 13 | 0 | 97 | 0 | 19 | 3 | 7 | 0 | 29 | 0 | 7 | 109 | 2 | 0 | 118 | 0 | 9 | 5 | 27 | 0 | 41 | 0 | 285 |
| Hourly Total | 134 | 354 | 73 | 0 | 561 | 0 | 82 | 12 | 34 | 0 | 128 | 0 | 42 | 464 | 9 | 1 | 516 | 0 | 66 | 11 | 97 | 0 | 174 | 0 | 1379 |
| 8:00PM | 25 | 62 | 18 | 0 | 105 | 0 | 16 | 2 | 6 | 0 | 24 | 0 | 4 | 103 | 4 | 1 | 112 | 0 | 15 | 1 | 27 | 0 | 43 | 0 | 284 |
| 8:15PM | 26 | 53 | 12 | 0 | 91 | 0 | 16 | 1 | 9 | 0 | 26 | 0 | 5 | 94 | 3 | 0 | 102 | 0 | 15 | 2 | 22 | 0 | 39 | 0 | 258 |
| 8:30PM | 18 | 43 | 17 | 0 | 78 | 0 | 12 | 2 | 3 | 0 | 17 | 0 | 8 | 78 | 2 | 0 | 88 | 0 | 9 | 3 | 11 | 0 | 23 | 0 | 206 |
| 8:45PM | 35 | 46 | 11 | 1 | 93 | 0 | 18 | 2 | 4 | 0 | 24 | 0 | 7 | 79 | 1 | 0 | 87 | 0 | 13 | 1 | 11 | 0 | 25 | 0 | 229 |
| Hourly Total | 104 | 204 | 58 | 1 | 367 | 0 | 62 | 7 | 22 | 0 | 91 | 0 | 24 | 354 | 10 | 1 | 389 | 0 | 52 | 7 | 71 | 0 | 130 | 0 | 977 |
| 9:00PM | 20 | 60 | 12 | 0 | 92 | 0 | 13 | 0 | 2 | 0 | 15 | 0 | 6 | 68 | 3 | 0 | 77 | 0 | 9 | 0 | 19 | 0 | 28 | 0 | 212 |
| 9:15PM | 20 | 36 | 12 | 0 | 68 | 0 | 19 | 1 | 1 | 0 | 21 | 0 | 5 | 86 | 3 | 0 | 94 | 0 | 9 | 0 | 19 | 0 | 28 | 0 | 211 |
| 9:30PM | 18 | 30 | 8 | 0 | 56 | 0 | 16 | 1 | 4 | 0 | 21 | 0 | 3 | 55 | 0 | 0 | 58 | 0 | 4 | 3 | 15 | 0 | 22 | 0 | 157 |
| 9:45PM | 21 | 35 | 1 | 0 | 57 | 0 | 10 | 0 | 1 | 0 | 11 | 0 | 4 | 58 | 0 | 0 | 62 | 0 | 5 | 1 | 17 | 0 | 23 | 0 | 153 |
| Hourly Total | 79 | 161 | 33 | 0 | 273 | 0 | 58 | 2 | 8 | 0 | 68 | 0 | 18 | 267 | 6 | 0 | 291 | 0 | 27 | 4 | 70 | 0 | 101 | 0 | 733 |
| 10:00PM | 15 | 32 | 7 | 0 | 54 | 0 | 9 | 1 | 1 | 0 | 11 | 0 | 1 | 37 | 2 | 0 | 40 | 0 | 2 | 2 | 9 | 0 | 13 | 0 | 118 |
| 10:15PM | 9 | 23 | 3 | 0 | 35 | 0 | 8 | 1 | 2 | 0 | 11 | 0 | 1 | 29 | 3 | 0 | 33 | 0 | 5 | 2 | 21 | 0 | 28 | 0 | 107 |
| 10:30PM | 7 | 14 | 4 | 0 | 25 | 0 | 7 | 3 | 4 | 0 | 14 | 0 | 0 | 37 | 0 | 0 | 37 | 0 | 5 | 1 | 10 | 0 | 16 | 0 | 92 |
| 10:45PM | 8 | 15 | 0 | 0 | 23 | 0 | 8 | 3 | 4 | 0 | 15 | 0 | 2 | 23 | 0 | 0 | 25 | 0 | 2 | 1 | 8 | 0 | 11 | 0 | 74 |
| Hourly Total | 39 | 84 | 14 | 0 | 137 | 0 | 32 | 8 | 11 | 0 | 51 | 0 | 4 | 126 | 5 | 0 | 135 | 0 | 14 | 6 | 48 | 0 | 68 | 0 | 391 |
| 11:00PM | 9 | 19 | 1 | 0 | 29 | 0 | 3 | 1 | 0 | 0 | 4 | 0 | 0 | 16 | 0 | 0 | 16 | 0 | 3 | 1 | 9 | 0 | 13 | 0 | 62 |
| 11:15PM | 7 | 14 | 0 | 0 | 21 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 23 | 0 | 0 | 25 | 0 | 1 | 1 | 5 | 0 | 7 | 0 | 54 |
| 11:30PM | 3 | 12 | 2 | 0 | 17 | 0 | 4 | 0 | 1 | 0 | 5 | 0 | 2 | 18 | 0 | 0 | 20 | 0 | 1 | 1 | 4 | 0 | 6 | 0 | 48 |
| 11:45PM | 1 | 15 | 0 | 0 | 16 | 0 | 2 | 0 | 1 | 0 | 3 | 0 | 1 | 15 | 0 | 0 | 16 | 0 | 3 | 0 | 10 | 0 | 13 | 0 | 48 |
| Hourly Total | 20 | 60 | 3 | 0 | 83 | 0 | 9 | 1 | 3 | 0 | 13 | 0 | 5 | 72 | 0 | 0 | 77 | 0 | 8 | 3 | 28 | 0 | 39 | 0 | 212 |
| Total | 2215 | 7173 | 1247 | 5 | 10640 | 5 | 1059 | 146 | 424 | 0 | 1629 | 4 | 538 | 7854 | 346 | 28 | 8766 | 5 | 868 | 265 | 1352 | 0 | 2485 | 0 | 23520 |
| % Approach | 20.8% | 67.4% | 11.7% | 0% | - | - | 65.0% | 9.0% | 26.0% | 0% | - | - | 6.1% | 89.6% | 3.9% | 0.3% | - | - | 34.9% | 10.7% | 54.4% | 0% | - | - | - |
| % Total | 9.4% | 30.5% | 5.3% | 0% | 45.2% | - | 4.5% | 0.6% | 1.8% | 0% | 6.9% | - | 2.3% | 33.4% | 1.5% | 0.1% | 37.3% | - | 3.7% | 1.1% | 5.7% | 0% | 10.6% | - | - |
| Lights | 2213 | 7064 | 1244 | 3 | 10524 | - | 1058 | 145 | 423 | 0 | 1626 | - | 538 | 7748 | 345 | 27 | 8658 | - | 867 | 264 | 1349 | 0 | 2480 | - | 23288 |
| % Lights | 99.9% | 98.5% | 99.8% | 60.0% | 98.9% | - | | | | | | | | | | | | | | | | | | | |

East Blvd at Walmart/HEB Driveways - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM (+1))

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

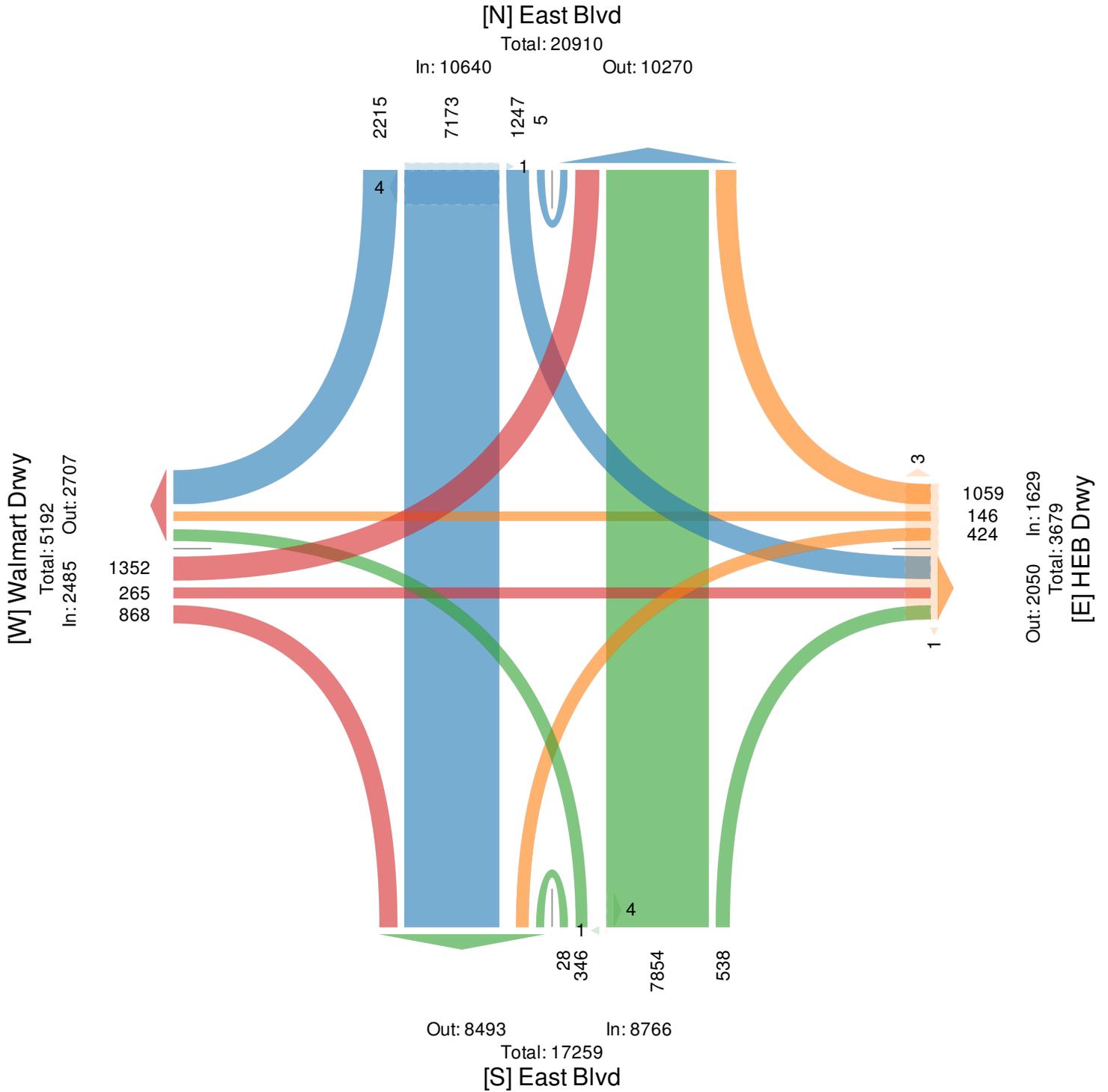
All Movements

ID: 599586, Location: 29.666591, -95.098194



Provided by: C. J. Hensch & Associates Inc.

5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at Walmart/HEB Driveways - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7:15AM - 8:15AM)

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

All Movements

ID: 599586, Location: 29.666591, -95.098194



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | HEB Drwy Westbound | | | | | | East Blvd Northbound | | | | | | Walmart Drwy Eastbound | | | | | | Int |
|---------------------------------------|----------------------|-------|-------|-------|-------|------|--------------------|-------|-------|----|-------|------|----------------------|-------|-------|-------|-------|------|------------------------|-------|-------|----|-------|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 7:15AM | 21 | 167 | 8 | 0 | 196 | 0 | 4 | 1 | 5 | 0 | 10 | 0 | 4 | 141 | 1 | 0 | 146 | 0 | 4 | 1 | 13 | 0 | 18 | 0 | 370 |
| 7:30AM | 17 | 151 | 9 | 0 | 177 | 0 | 10 | 0 | 3 | 0 | 13 | 0 | 2 | 167 | 2 | 2 | 173 | 0 | 7 | 1 | 10 | 0 | 18 | 0 | 381 |
| 7:45AM | 27 | 171 | 20 | 1 | 219 | 0 | 9 | 0 | 5 | 0 | 14 | 0 | 3 | 157 | 6 | 0 | 166 | 0 | 7 | 1 | 12 | 0 | 20 | 0 | 419 |
| 8:00AM | 18 | 131 | 11 | 0 | 160 | 0 | 3 | 1 | 7 | 0 | 11 | 0 | 1 | 130 | 4 | 0 | 135 | 0 | 5 | 2 | 15 | 0 | 22 | 0 | 328 |
| Total | 83 | 620 | 48 | 1 | 752 | 0 | 26 | 2 | 20 | 0 | 48 | 0 | 10 | 595 | 13 | 2 | 620 | 0 | 23 | 5 | 50 | 0 | 78 | 0 | 1498 |
| % Approach | 11.0% | 82.4% | 6.4% | 0.1% | - | - | 54.2% | 4.2% | 41.7% | 0% | - | - | 1.6% | 96.0% | 2.1% | 0.3% | - | - | 29.5% | 6.4% | 64.1% | 0% | - | - | - |
| % Total | 5.5% | 41.4% | 3.2% | 0.1% | 50.2% | - | 1.7% | 0.1% | 1.3% | 0% | 3.2% | - | 0.7% | 39.7% | 0.9% | 0.1% | 41.4% | - | 1.5% | 0.3% | 3.3% | 0% | 5.2% | - | - |
| PHF | 0.769 | 0.906 | 0.600 | 0.250 | 0.858 | - | 0.650 | 0.500 | 0.714 | - | 0.857 | - | 0.625 | 0.891 | 0.542 | 0.250 | 0.896 | - | 0.821 | 0.625 | 0.833 | - | 0.886 | - | 0.894 |
| Lights | 83 | 612 | 48 | 1 | 744 | - | 25 | 2 | 20 | 0 | 47 | - | 10 | 584 | 13 | 2 | 609 | - | 23 | 5 | 49 | 0 | 77 | - | 1477 |
| % Lights | 100% | 98.7% | 100% | 100% | 98.9% | - | 96.2% | 100% | 100% | 0% | 97.9% | - | 100% | 98.2% | 100% | 100% | 98.2% | - | 100% | 100% | 98.0% | 0% | 98.7% | - | 98.6% |
| Articulate d Trucks | 0 | 3 | 0 | 0 | 3 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 2 | 0 | 0 | 2 | - | 0 | 0 | 0 | 0 | 0 | - | 5 |
| % Articulate d Trucks | 0% | 0.5% | 0% | 0% | 0.4% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.3% | 0% | 0% | 0.3% | - | 0% | 0% | 0% | 0% | 0% | - | 0.3% |
| Buses and Single-Unit Trucks | 0 | 5 | 0 | 0 | 5 | - | 1 | 0 | 0 | 0 | 1 | - | 0 | 9 | 0 | 0 | 9 | - | 0 | 0 | 1 | 0 | 1 | - | 16 |
| % Buses and Single-Unit Trucks | 0% | 0.8% | 0% | 0% | 0.7% | - | 3.8% | 0% | 0% | 0% | 2.1% | - | 0% | 1.5% | 0% | 0% | 1.5% | - | 0% | 0% | 2.0% | 0% | 1.3% | - | 1.1% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

East Blvd at Walmart/HEB Driveways - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7:15AM - 8:15AM)

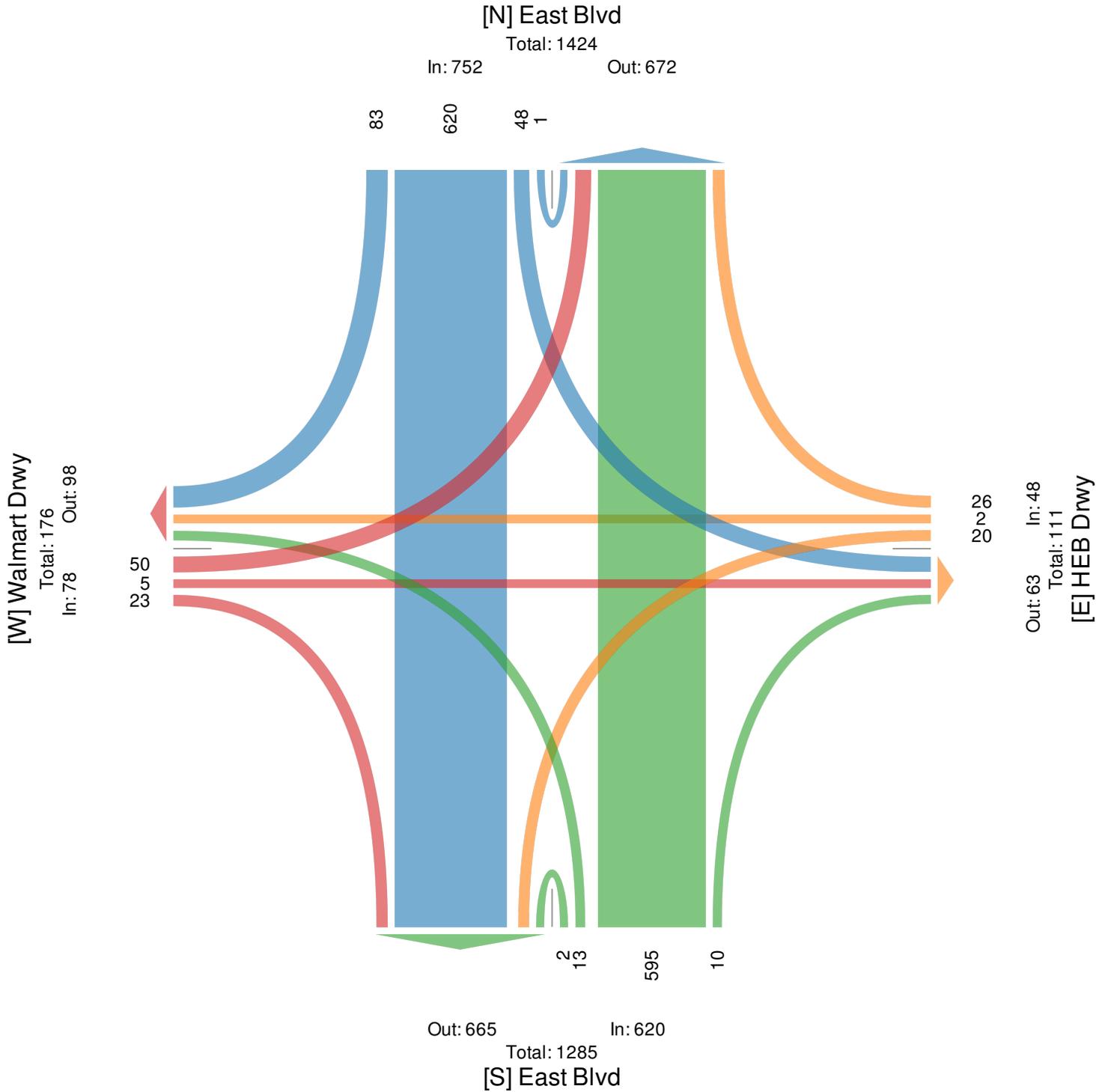
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599586, Location: 29.666591, -95.098194



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at Walmart/HEB Driveways - TMC

Tue Dec 18, 2018

Middy Peak (Dec 18 2018 12PM - 1PM)

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

All Movements

ID: 599586, Location: 29.666591, -95.098194



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction Time | East Blvd Southbound | | | | | | HEB Drwy Westbound | | | | | | East Blvd Northbound | | | | | | Walmart Drwy Eastbound | | | | | | Int |
|---------------------------------------|-------------------------|-------|-------|----|-------|------|-----------------------|-------|-------|----|-------|------|-------------------------|-------|-------|-------|-------|------|---------------------------|-------|-------|----|-------|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 12:00PM | 43 | 136 | 24 | 0 | 203 | 0 | 19 | 1 | 9 | 0 | 29 | 0 | 16 | 129 | 15 | 1 | 161 | 0 | 16 | 4 | 26 | 0 | 46 | 0 | 439 |
| 12:15PM | 36 | 112 | 21 | 0 | 169 | 2 | 17 | 4 | 7 | 0 | 28 | 2 | 13 | 141 | 9 | 1 | 164 | 0 | 17 | 7 | 22 | 0 | 46 | 0 | 407 |
| 12:30PM | 34 | 117 | 26 | 0 | 177 | 0 | 21 | 0 | 14 | 0 | 35 | 0 | 10 | 155 | 1 | 0 | 166 | 0 | 18 | 4 | 23 | 0 | 45 | 0 | 423 |
| 12:45PM | 34 | 114 | 17 | 0 | 165 | 0 | 15 | 10 | 6 | 0 | 31 | 0 | 7 | 112 | 6 | 2 | 127 | 0 | 15 | 1 | 33 | 0 | 49 | 0 | 372 |
| Total | 147 | 479 | 88 | 0 | 714 | 2 | 72 | 15 | 36 | 0 | 123 | 2 | 46 | 537 | 31 | 4 | 618 | 0 | 66 | 16 | 104 | 0 | 186 | 0 | 1641 |
| % Approach | 20.6% | 67.1% | 12.3% | 0% | - | - | 58.5% | 12.2% | 29.3% | 0% | - | - | 7.4% | 86.9% | 5.0% | 0.6% | - | - | 35.5% | 8.6% | 55.9% | 0% | - | - | - |
| % Total | 9.0% | 29.2% | 5.4% | 0% | 43.5% | - | 4.4% | 0.9% | 2.2% | 0% | 7.5% | - | 2.8% | 32.7% | 1.9% | 0.2% | 37.7% | - | 4.0% | 1.0% | 6.3% | 0% | 11.3% | - | - |
| PHF | 0.855 | 0.881 | 0.846 | - | 0.879 | - | 0.857 | 0.375 | 0.643 | - | 0.879 | - | 0.719 | 0.866 | 0.517 | 0.500 | 0.931 | - | 0.917 | 0.571 | 0.788 | - | 0.949 | - | 0.935 |
| Lights | 147 | 472 | 88 | 0 | 707 | - | 72 | 15 | 35 | 0 | 122 | - | 46 | 524 | 30 | 4 | 604 | - | 65 | 16 | 104 | 0 | 185 | - | 1618 |
| % Lights | 100% | 98.5% | 100% | 0% | 99.0% | - | 100% | 100% | 97.2% | 0% | 99.2% | - | 100% | 97.6% | 96.8% | 100% | 97.7% | - | 98.5% | 100% | 100% | 0% | 99.5% | - | 98.6% |
| Articulated Trucks | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 1 | 0 | 2 | - | 0 | 0 | 0 | 0 | 0 | - | 2 |
| % Articulated Trucks | 0% | 0% | 0% | 0% | 0% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.2% | 3.2% | 0% | 0.3% | - | 0% | 0% | 0% | 0% | 0% | - | 0.1% |
| Buses and Single-Unit Trucks | 0 | 7 | 0 | 0 | 7 | - | 0 | 0 | 1 | 0 | 1 | - | 0 | 12 | 0 | 0 | 12 | - | 1 | 0 | 0 | 0 | 1 | - | 21 |
| % Buses and Single-Unit Trucks | 0% | 1.5% | 0% | 0% | 1.0% | - | 0% | 0% | 2.8% | 0% | 0.8% | - | 0% | 2.2% | 0% | 0% | 1.9% | - | 1.5% | 0% | 0% | 0% | 0.5% | - | 1.3% |
| Pedestrians | - | - | - | - | - | 2 | - | - | - | - | - | 2 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | 100% | - | - | - | - | - | 100% | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

East Blvd at Walmart/HEB Driveways - TMC

Tue Dec 18, 2018

Midday Peak (Dec 18 2018 12PM - 1PM)

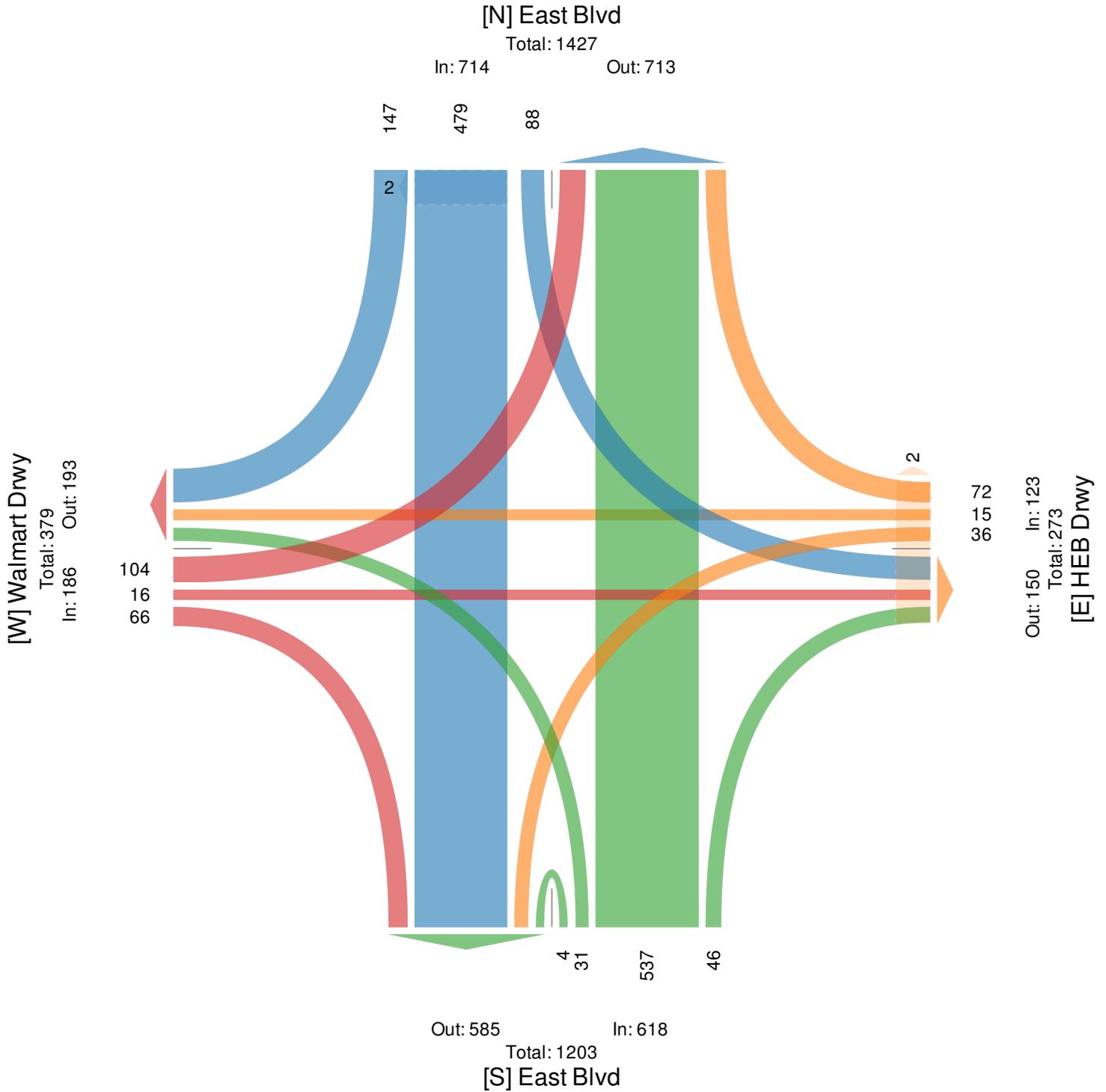
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599586, Location: 29.666591, -95.098194



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at Walmart/HEB Driveways - TMC

Tue Dec 18, 2018

PM Peak (Dec 18 2018 4:15PM - 5:15PM) - Overall Peak Hour

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

All Movements

ID: 599586, Location: 29.666591, -95.098194



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | HEB Drwy Westbound | | | | | | East Blvd Northbound | | | | | | Walmart Drwy Eastbound | | | | | | Int |
|---------------------------------------|----------------------|-------|-------|----|--------------|------|--------------------|-------|-------|----|--------------|------|----------------------|-------|-------|-------|--------------|------|------------------------|-------|-------|----|--------------|------|-------------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:15PM | 54 | 194 | 33 | 0 | 281 | 0 | 24 | 4 | 7 | 0 | 35 | 0 | 11 | 175 | 13 | 1 | 200 | 0 | 26 | 9 | 27 | 0 | 62 | 0 | 578 |
| 4:30PM | 54 | 183 | 45 | 0 | 282 | 0 | 28 | 4 | 7 | 0 | 39 | 0 | 12 | 118 | 15 | 1 | 146 | 1 | 18 | 5 | 29 | 0 | 52 | 0 | 519 |
| 4:45PM | 45 | 185 | 51 | 0 | 281 | 0 | 19 | 1 | 9 | 0 | 29 | 0 | 14 | 157 | 18 | 1 | 190 | 0 | 20 | 13 | 29 | 0 | 62 | 0 | 562 |
| 5:00PM | 55 | 157 | 36 | 0 | 248 | 0 | 35 | 8 | 16 | 0 | 59 | 0 | 15 | 158 | 14 | 0 | 187 | 0 | 20 | 16 | 33 | 0 | 69 | 0 | 563 |
| Total | 208 | 719 | 165 | 0 | 1092 | 0 | 106 | 17 | 39 | 0 | 162 | 0 | 52 | 608 | 60 | 3 | 723 | 1 | 84 | 43 | 118 | 0 | 245 | 0 | 2222 |
| % Approach | 19.0% | 65.8% | 15.1% | 0% | - | - | 65.4% | 10.5% | 24.1% | 0% | - | - | 7.2% | 84.1% | 8.3% | 0.4% | - | - | 34.3% | 17.6% | 48.2% | 0% | - | - | - |
| % Total | 9.4% | 32.4% | 7.4% | 0% | 49.1% | - | 4.8% | 0.8% | 1.8% | 0% | 7.3% | - | 2.3% | 27.4% | 2.7% | 0.1% | 32.5% | - | 3.8% | 1.9% | 5.3% | 0% | 11.0% | - | - |
| PHF | 0.945 | 0.927 | 0.809 | - | 0.968 | - | 0.757 | 0.531 | 0.609 | - | 0.686 | - | 0.867 | 0.869 | 0.833 | 0.750 | 0.904 | - | 0.808 | 0.672 | 0.894 | - | 0.888 | - | 0.961 |
| Lights | 207 | 715 | 164 | 0 | 1086 | - | 106 | 17 | 39 | 0 | 162 | - | 52 | 602 | 60 | 3 | 717 | - | 84 | 43 | 118 | 0 | 245 | - | 2210 |
| % Lights | 99.5% | 99.4% | 99.4% | 0% | 99.5% | - | 100% | 100% | 100% | 0% | 100% | - | 100% | 99.0% | 100% | 100% | 99.2% | - | 100% | 100% | 100% | 0% | 100% | - | 99.5% |
| Articulated Trucks | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 2 | 0 | 0 | 2 | - | 0 | 0 | 0 | 0 | 0 | - | 2 |
| % Articulated Trucks | 0% | 0% | 0% | 0% | 0% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.3% | 0% | 0% | 0.3% | - | 0% | 0% | 0% | 0% | 0% | - | 0.1% |
| Buses and Single-Unit Trucks | 1 | 4 | 1 | 0 | 6 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 4 | 0 | 0 | 4 | - | 0 | 0 | 0 | 0 | 0 | - | 10 |
| % Buses and Single-Unit Trucks | 0.5% | 0.6% | 0.6% | 0% | 0.5% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.7% | 0% | 0% | 0.6% | - | 0% | 0% | 0% | 0% | 0% | - | 0.5% |
| Pe destrians | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 1 | - | - | - | - | - | 0 | - | 0 |
| % Pe destrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | -100% | - | - | - | - | - | - | - | - |

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

East Blvd at Walmart/HEB Driveways - TMC

Tue Dec 18, 2018

PM Peak (Dec 18 2018 4:15PM - 5:15PM) - Overall Peak Hour

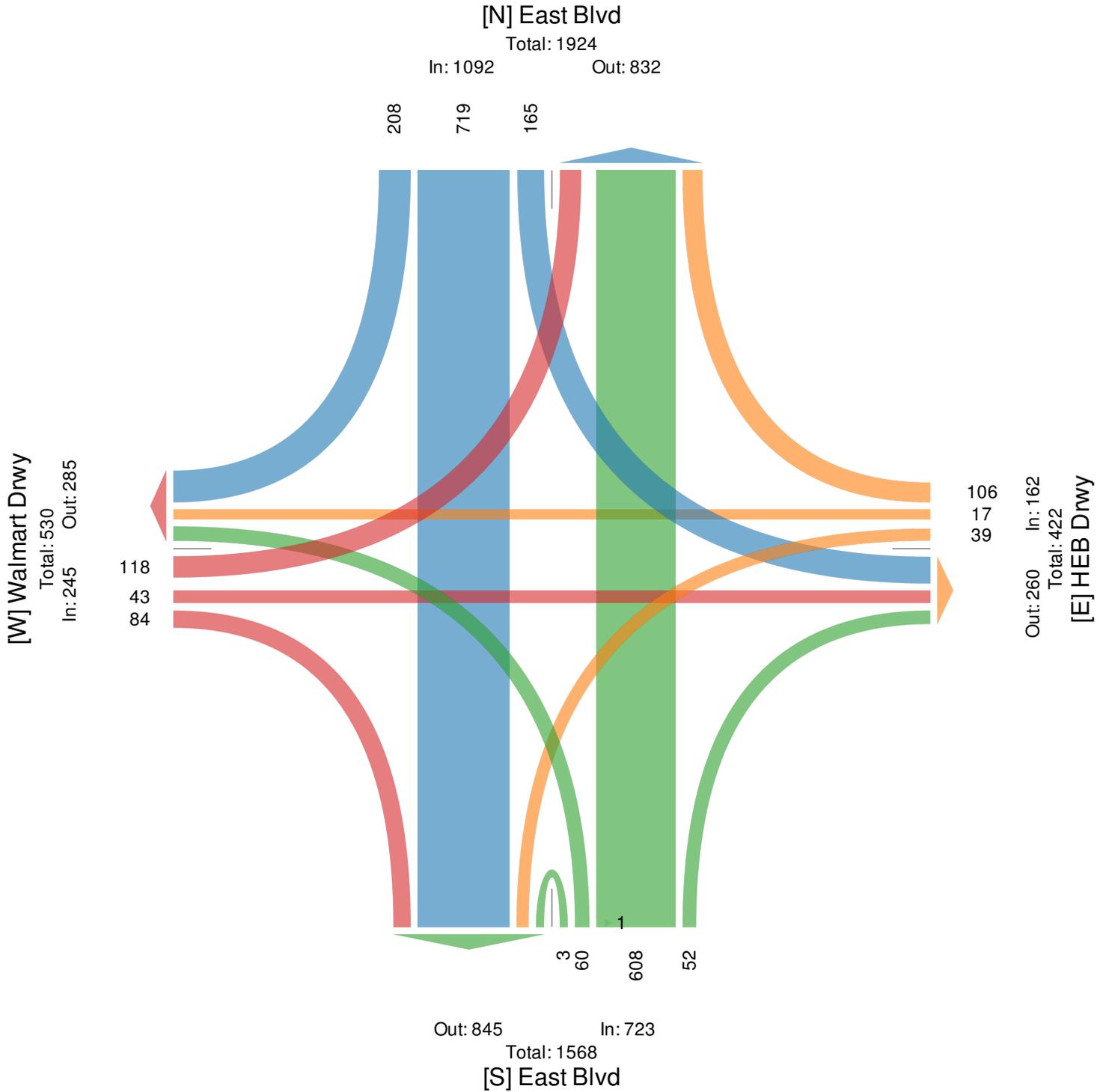
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599586, Location: 29.666591, -95.098194



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at Spencer Hwy - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM(+1))

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

All Movements

ID: 599585, Location: 29.664147, -95.098162



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | | Spencer Hwy Westbound | | | | | | | Canada Rd Northbound | | | | | | | Spencer Hwy Eastbound | | | | | | | Int | | | | | | | | |
|---------------|----------------------|-----|-----|---|-----|------|-----|-----------------------|----|---|-----|------|-----|-----|----------------------|---|-----|------|----|-----|-----|-----------------------|-----|------|---|---|---|---|-----|-----|------|--|--|--|--|--|------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | | App | Ped* | | | | | | |
| 2018-12-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00AM | 2 | 4 | 1 | 0 | 7 | 0 | 1 | 9 | 3 | 0 | 13 | 0 | 0 | 8 | 8 | 0 | 16 | 0 | 4 | 22 | 4 | 0 | 30 | 0 | | | | | | | | | | | | | 66 |
| 12:15AM | 4 | 4 | 3 | 0 | 11 | 0 | 2 | 8 | 1 | 1 | 12 | 0 | 1 | 2 | 2 | 0 | 5 | 0 | 3 | 17 | 5 | 0 | 25 | 0 | | | | | | | | | | | | | 53 |
| 12:30AM | 1 | 2 | 2 | 0 | 5 | 0 | 1 | 11 | 0 | 0 | 12 | 0 | 2 | 6 | 3 | 0 | 11 | 0 | 3 | 9 | 3 | 0 | 15 | 0 | | | | | | | | | | | | | 43 |
| 12:45AM | 0 | 4 | 1 | 0 | 5 | 0 | 3 | 13 | 1 | 0 | 17 | 0 | 4 | 6 | 7 | 0 | 17 | 0 | 2 | 8 | 2 | 0 | 12 | 0 | | | | | | | | | | | | | 51 |
| Hourly Total | 7 | 14 | 7 | 0 | 28 | 0 | 7 | 41 | 5 | 1 | 54 | 0 | 7 | 22 | 20 | 0 | 49 | 0 | 12 | 56 | 14 | 0 | 82 | 0 | | | | | | | | | | | | | 213 |
| 1:00AM | 2 | 1 | 3 | 0 | 6 | 0 | 1 | 10 | 1 | 0 | 12 | 0 | 0 | 1 | 4 | 0 | 5 | 1 | 1 | 6 | 1 | 0 | 8 | 0 | | | | | | | | | | | | | 31 |
| 1:15AM | 2 | 5 | 1 | 0 | 8 | 0 | 0 | 5 | 1 | 0 | 6 | 0 | 1 | 3 | 1 | 0 | 5 | 0 | 1 | 10 | 4 | 0 | 15 | 0 | | | | | | | | | | | | | 34 |
| 1:30AM | 0 | 5 | 1 | 0 | 6 | 0 | 1 | 5 | 0 | 0 | 6 | 0 | 1 | 3 | 2 | 0 | 6 | 0 | 1 | 5 | 0 | 0 | 6 | 0 | | | | | | | | | | | | | 24 |
| 1:45AM | 0 | 2 | 2 | 0 | 4 | 0 | 1 | 9 | 0 | 0 | 10 | 0 | 1 | 2 | 1 | 0 | 4 | 0 | 3 | 10 | 3 | 0 | 16 | 0 | | | | | | | | | | | | | 34 |
| Hourly Total | 4 | 13 | 7 | 0 | 24 | 0 | 3 | 29 | 2 | 0 | 34 | 0 | 3 | 9 | 8 | 0 | 20 | 1 | 6 | 31 | 8 | 0 | 45 | 0 | | | | | | | | | | | | | 123 |
| 2:00AM | 2 | 2 | 1 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 5 | 0 | 1 | 1 | 1 | 0 | 3 | 0 | 1 | 7 | 2 | 0 | 10 | 0 | | | | | | | | | | | | | 23 |
| 2:15AM | 1 | 3 | 0 | 0 | 4 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 2 | 2 | 0 | 5 | 0 | 1 | 4 | 3 | 0 | 8 | 0 | | | | | | | | | | | | | 19 |
| 2:30AM | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 4 | 0 | | | | | | | | | | | | | 6 |
| 2:45AM | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 0 | 3 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 6 | 0 | 0 | 8 | 0 | | | | | | | | | | | | | 15 |
| Hourly Total | 5 | 6 | 1 | 0 | 12 | 0 | 2 | 8 | 1 | 0 | 11 | 0 | 4 | 3 | 3 | 0 | 10 | 0 | 4 | 20 | 6 | 0 | 30 | 0 | | | | | | | | | | | | | 63 |
| 3:00AM | 0 | 3 | 1 | 0 | 4 | 0 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 1 | 4 | 2 | 0 | 7 | 0 | | | | | | | | | | | | | 19 |
| 3:15AM | 1 | 3 | 0 | 0 | 4 | 0 | 1 | 6 | 0 | 0 | 7 | 0 | 1 | 6 | 2 | 0 | 9 | 0 | 2 | 5 | 1 | 0 | 8 | 0 | | | | | | | | | | | | | 28 |
| 3:30AM | 3 | 2 | 0 | 0 | 5 | 0 | 0 | 7 | 2 | 0 | 9 | 0 | 1 | 7 | 1 | 0 | 9 | 0 | 0 | 8 | 4 | 0 | 12 | 0 | | | | | | | | | | | | | 35 |
| 3:45AM | 2 | 8 | 1 | 0 | 11 | 0 | 5 | 10 | 2 | 0 | 17 | 0 | 1 | 5 | 5 | 0 | 11 | 0 | 2 | 9 | 2 | 0 | 13 | 0 | | | | | | | | | | | | | 52 |
| Hourly Total | 6 | 16 | 2 | 0 | 24 | 0 | 6 | 28 | 4 | 0 | 38 | 0 | 3 | 21 | 8 | 0 | 32 | 0 | 5 | 26 | 9 | 0 | 40 | 0 | | | | | | | | | | | | | 134 |
| 4:00AM | 4 | 6 | 3 | 0 | 13 | 0 | 3 | 9 | 2 | 0 | 14 | 0 | 4 | 5 | 2 | 0 | 11 | 0 | 1 | 10 | 9 | 0 | 20 | 0 | | | | | | | | | | | | | 58 |
| 4:15AM | 2 | 16 | 2 | 0 | 20 | 0 | 2 | 12 | 1 | 0 | 15 | 0 | 1 | 13 | 2 | 0 | 16 | 0 | 6 | 17 | 6 | 0 | 29 | 0 | | | | | | | | | | | | | 80 |
| 4:30AM | 3 | 10 | 3 | 0 | 16 | 0 | 5 | 21 | 4 | 0 | 30 | 0 | 6 | 16 | 0 | 0 | 22 | 0 | 4 | 20 | 7 | 0 | 31 | 0 | | | | | | | | | | | | | 99 |
| 4:45AM | 1 | 16 | 4 | 0 | 21 | 0 | 3 | 19 | 3 | 0 | 25 | 0 | 6 | 20 | 4 | 0 | 30 | 0 | 4 | 27 | 8 | 0 | 39 | 0 | | | | | | | | | | | | | 115 |
| Hourly Total | 10 | 48 | 12 | 0 | 70 | 0 | 13 | 61 | 10 | 0 | 84 | 0 | 17 | 54 | 8 | 0 | 79 | 0 | 15 | 74 | 30 | 0 | 119 | 0 | | | | | | | | | | | | | 352 |
| 5:00AM | 1 | 14 | 2 | 0 | 17 | 0 | 5 | 22 | 3 | 0 | 30 | 0 | 2 | 22 | 3 | 0 | 27 | 0 | 4 | 33 | 23 | 0 | 60 | 0 | | | | | | | | | | | | | 134 |
| 5:15AM | 4 | 28 | 6 | 0 | 38 | 0 | 9 | 25 | 3 | 0 | 37 | 0 | 5 | 38 | 6 | 0 | 49 | 0 | 2 | 39 | 15 | 0 | 56 | 0 | | | | | | | | | | | | | 180 |
| 5:30AM | 6 | 19 | 8 | 0 | 33 | 0 | 18 | 31 | 3 | 0 | 52 | 0 | 9 | 43 | 5 | 0 | 57 | 0 | 9 | 71 | 33 | 0 | 113 | 0 | | | | | | | | | | | | | 255 |
| 5:45AM | 2 | 38 | 7 | 0 | 47 | 0 | 13 | 37 | 7 | 0 | 57 | 0 | 20 | 70 | 6 | 0 | 96 | 0 | 12 | 91 | 24 | 0 | 127 | 0 | | | | | | | | | | | | | 327 |
| Hourly Total | 13 | 99 | 23 | 0 | 135 | 0 | 45 | 115 | 16 | 0 | 176 | 0 | 36 | 173 | 20 | 0 | 229 | 0 | 27 | 234 | 95 | 0 | 356 | 0 | | | | | | | | | | | | | 896 |
| 6:00AM | 9 | 45 | 13 | 0 | 67 | 1 | 13 | 48 | 6 | 0 | 67 | 1 | 15 | 53 | 2 | 0 | 70 | 0 | 6 | 85 | 43 | 0 | 134 | 0 | | | | | | | | | | | | | 338 |
| 6:15AM | 12 | 60 | 15 | 1 | 88 | 0 | 12 | 49 | 12 | 0 | 73 | 0 | 26 | 77 | 9 | 0 | 112 | 0 | 11 | 124 | 21 | 0 | 156 | 0 | | | | | | | | | | | | | 429 |
| 6:30AM | 13 | 55 | 22 | 0 | 90 | 0 | 13 | 89 | 18 | 0 | 120 | 0 | 24 | 63 | 13 | 0 | 100 | 0 | 17 | 122 | 37 | 0 | 176 | 0 | | | | | | | | | | | | | 486 |
| 6:45AM | 13 | 56 | 25 | 0 | 94 | 0 | 30 | 95 | 11 | 0 | 136 | 0 | 33 | 95 | 22 | 0 | 150 | 0 | 11 | 115 | 26 | 0 | 152 | 0 | | | | | | | | | | | | | 532 |
| Hourly Total | 47 | 216 | 75 | 1 | 339 | 1 | 68 | 281 | 47 | 0 | 396 | 1 | 98 | 288 | 46 | 0 | 432 | 0 | 45 | 446 | 127 | 0 | 618 | 0 | | | | | | | | | | | | | 1785 |
| 7:00AM | 29 | 89 | 24 | 1 | 143 | 0 | 19 | 135 | 16 | 0 | 170 | 0 | 40 | 72 | 15 | 0 | 127 | 0 | 10 | 108 | 39 | 0 | 157 | 0 | | | | | | | | | | | | | 597 |
| 7:15AM | 30 | 87 | 25 | 0 | 142 | 0 | 31 | 148 | 19 | 0 | 198 | 0 | 31 | 92 | 25 | 0 | 148 | 0 | 16 | 106 | 36 | 0 | 158 | 0 | | | | | | | | | | | | | 646 |
| 7:30AM | 43 | 131 | 34 | 0 | 208 | 0 | 31 | 126 | 31 | 0 | 188 | 0 | 46 | 96 | 13 | 0 | 155 | 0 | 12 | 102 | 46 | 0 | 160 | 0 | | | | | | | | | | | | | 711 |
| 7:45AM | 35 | 94 | 37 | 0 | 166 | 0 | 36 | 124 | 19 | 0 | 179 | 0 | 62 | 100 | 20 | 1 | 183 | 0 | 18 | 112 | 31 | 0 | 161 | 0 | | | | | | | | | | | | | 689 |
| Hourly Total | 137 | 401 | 120 | 1 | 659 | 0 | 117 | 533 | 85 | 0 | 735 | 0 | 179 | 360 | 73 | 1 | 613 | 0 | 56 | 428 | 152 | 0 | 636 | 0 | | | | | | | | | | | | | 2643 |
| 8:00AM | 33 | 96 | 35 | 0 | 164 | 0 | 36 | 123 | 26 | 0 | 185 | 0 | 50 | 71 | 12 | 0 | 133 | 0 | 8 | 84 | 40 | 0 | 132 | 0 | | | | | | | | | | | | | 614 |
| 8:15AM | 30 | 52 | 24 | 0 | 106 | 0 | 15 | 131 | 13 | 0 | 159 | 2 | 49 | 79 | 17 | 0 | 145 | 0 | 13 | 80 | 20 | 0 | 113 | 0 | | | | | | | | | | | | | 523 |
| 8:30AM | 18 | 63 | 20 | 0 | 101 | 0 | 12 | 94 | 18 | 0 | 124 | 0 | 14 | 40 | 12 | 0 | 66 | 0 | 9 | 72 | 31 | 0 | 112 | 0 | | | | | | | | | | | | | 403 |
| 8:45AM | 21 | 52 | 23 | 0 | 96 | 0 | 26 | 127 | 16 | 0 | 169 | 2 | 16 | 50 | 19 | 0 | 85 | 0 | 14 | 100 | 18 | 0 | 132 | 0 | | | | | | | | | | | | | 482 |
| Hourly Total | 102 | 263 | 102 | 0 | 467 | 0 | 89 | 475 | 73 | 0 | 637 | 4 | 129 | 240 | 60 | 0 | 429 | 0 | 44 | 336 | 109 | 0 | 489 | 0 | | | | | | | | | | | | | 2022 |
| 9:00AM | 26 | 46 | 28 | 0 | 100 | 1 | 24 | 98 | 13 | 0 | 135 | 0 | 22 | 37 | 16 | 0 | 75 | 0 | 8 | 74 | 25 | 0 | 107 | 0 | | | | | | | | | | | | | 417 |
| 9:15AM | 26 | 35 | 25 | 0 | 86 | 0 | 22 | 108 | 15 | 0 | 145 | 0 | 15 | 47 | 20 | 0 | 82 | 0 | 16 | 86 | 28 | 0 | 130 | 0 | | | | | | | | | | | | | 443 |
| 9:30AM | 19 | 56 | 30 | 0 | 105 | 0 | 15 | 102 | 15 | 0 | 132 | 0 | 15 | 55 | 10 | 0 | 80 | 0 | 10 | 59 | 24 | 0 | 93 | 0 | | | | | | | | | | | | | 410 |
| 9:45AM | 33 | 41 | 34 | 0 | 108 | 0 | 17 | 128 | 8 | 0 | 153 | 0 | 6 | 55 | 19 | 0 | 80 | 0 | 20 | 86 | 30 | 0 | 136 | 0 | | | | | | | | | | | | | 477 |
| Hourly Total | 104 | 178 | 117 | 0 | 399 | 1 | 78 | 436</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Leg Direction | East Blvd Southbound | | | | | | Spencer Hwy Westbound | | | | | | Canada Rd Northbound | | | | | | Spencer Hwy 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* | R | T | L | |
| 1:45PM | 38 | 52 | 41 | 0 | 131 | 0 | 29 | 137 | 16 | 0 | 182 | 0 | 14 | 73 | 19 | 0 | 106 | 0 | 20 | 150 | 44 | 0 | 214 | 0 | 633 |
| Hourly Total | 159 | 270 | 181 | 1 | 611 | 0 | 114 | 563 | 70 | 0 | 747 | 0 | 52 | 254 | 112 | 0 | 418 | 0 | 65 | 586 | 185 | 0 | 836 | 0 | 2612 |
| 2:00PM | 36 | 61 | 52 | 1 | 150 | 0 | 21 | 112 | 15 | 0 | 148 | 0 | 15 | 63 | 30 | 0 | 108 | 0 | 19 | 114 | 37 | 0 | 170 | 0 | 576 |
| 2:15PM | 37 | 45 | 41 | 1 | 124 | 0 | 23 | 150 | 13 | 0 | 186 | 0 | 13 | 62 | 23 | 0 | 98 | 0 | 21 | 134 | 45 | 0 | 200 | 0 | 608 |
| 2:30PM | 48 | 69 | 53 | 0 | 170 | 0 | 30 | 117 | 13 | 0 | 160 | 0 | 15 | 89 | 33 | 0 | 137 | 0 | 14 | 129 | 41 | 0 | 184 | 0 | 651 |
| 2:45PM | 36 | 53 | 29 | 0 | 118 | 0 | 26 | 163 | 30 | 0 | 219 | 0 | 14 | 72 | 21 | 0 | 107 | 0 | 20 | 161 | 39 | 0 | 220 | 0 | 664 |
| Hourly Total | 157 | 228 | 175 | 2 | 562 | 0 | 100 | 542 | 71 | 0 | 713 | 0 | 57 | 286 | 107 | 0 | 450 | 0 | 74 | 538 | 162 | 0 | 774 | 0 | 2499 |
| 3:00PM | 43 | 58 | 59 | 0 | 160 | 0 | 19 | 140 | 13 | 0 | 172 | 0 | 16 | 76 | 36 | 0 | 128 | 0 | 14 | 117 | 40 | 0 | 171 | 0 | 631 |
| 3:15PM | 35 | 53 | 41 | 0 | 129 | 0 | 27 | 165 | 27 | 0 | 219 | 0 | 20 | 71 | 25 | 0 | 116 | 0 | 29 | 172 | 61 | 0 | 262 | 0 | 726 |
| 3:30PM | 45 | 93 | 60 | 1 | 199 | 0 | 24 | 153 | 33 | 0 | 210 | 0 | 24 | 101 | 35 | 0 | 160 | 0 | 24 | 153 | 37 | 0 | 214 | 0 | 783 |
| 3:45PM | 49 | 65 | 59 | 0 | 173 | 0 | 30 | 183 | 26 | 0 | 239 | 0 | 20 | 91 | 36 | 0 | 147 | 0 | 24 | 177 | 54 | 0 | 255 | 0 | 814 |
| Hourly Total | 172 | 269 | 219 | 1 | 661 | 0 | 100 | 641 | 99 | 0 | 840 | 0 | 80 | 339 | 132 | 0 | 551 | 0 | 91 | 619 | 192 | 0 | 902 | 0 | 2954 |
| 4:00PM | 52 | 106 | 46 | 0 | 204 | 0 | 37 | 183 | 42 | 0 | 262 | 0 | 25 | 95 | 38 | 0 | 158 | 0 | 12 | 128 | 51 | 0 | 191 | 0 | 815 |
| 4:15PM | 55 | 115 | 48 | 0 | 218 | 0 | 30 | 241 | 54 | 0 | 325 | 0 | 17 | 107 | 32 | 0 | 156 | 0 | 15 | 187 | 36 | 0 | 238 | 0 | 937 |
| 4:30PM | 40 | 127 | 49 | 0 | 216 | 0 | 31 | 198 | 58 | 0 | 287 | 0 | 23 | 106 | 42 | 0 | 171 | 0 | 25 | 164 | 42 | 0 | 231 | 0 | 905 |
| 4:45PM | 46 | 116 | 33 | 0 | 195 | 0 | 38 | 254 | 67 | 0 | 359 | 0 | 33 | 75 | 24 | 0 | 132 | 0 | 24 | 156 | 52 | 0 | 232 | 0 | 918 |
| Hourly Total | 193 | 464 | 176 | 0 | 833 | 0 | 136 | 876 | 221 | 0 | 1233 | 0 | 98 | 383 | 136 | 0 | 617 | 0 | 76 | 635 | 181 | 0 | 892 | 0 | 3575 |
| 5:00PM | 40 | 128 | 50 | 1 | 219 | 0 | 36 | 301 | 59 | 0 | 396 | 0 | 22 | 108 | 50 | 0 | 180 | 0 | 33 | 189 | 38 | 0 | 260 | 0 | 1055 |
| 5:15PM | 38 | 133 | 31 | 0 | 202 | 0 | 26 | 330 | 84 | 0 | 440 | 0 | 20 | 106 | 29 | 0 | 155 | 0 | 18 | 246 | 62 | 0 | 326 | 0 | 1123 |
| 5:30PM | 52 | 104 | 64 | 0 | 220 | 0 | 36 | 328 | 38 | 0 | 402 | 0 | 20 | 123 | 34 | 0 | 177 | 0 | 32 | 175 | 58 | 0 | 265 | 0 | 1064 |
| 5:45PM | 59 | 106 | 54 | 0 | 219 | 0 | 46 | 225 | 42 | 0 | 313 | 0 | 17 | 103 | 28 | 0 | 148 | 0 | 24 | 179 | 51 | 0 | 254 | 0 | 934 |
| Hourly Total | 189 | 471 | 199 | 1 | 860 | 0 | 144 | 1184 | 223 | 0 | 1551 | 0 | 79 | 440 | 141 | 0 | 660 | 0 | 107 | 789 | 209 | 0 | 1105 | 0 | 4176 |
| 6:00PM | 65 | 82 | 52 | 0 | 199 | 0 | 38 | 195 | 40 | 0 | 273 | 0 | 26 | 111 | 41 | 0 | 178 | 0 | 23 | 167 | 47 | 0 | 237 | 0 | 887 |
| 6:15PM | 53 | 71 | 55 | 0 | 179 | 0 | 31 | 193 | 39 | 0 | 263 | 0 | 11 | 69 | 26 | 0 | 106 | 0 | 33 | 188 | 49 | 0 | 270 | 0 | 818 |
| 6:30PM | 63 | 75 | 70 | 0 | 208 | 0 | 29 | 160 | 32 | 0 | 221 | 0 | 19 | 90 | 45 | 0 | 154 | 0 | 22 | 168 | 45 | 0 | 235 | 0 | 818 |
| 6:45PM | 62 | 73 | 68 | 1 | 204 | 0 | 36 | 171 | 24 | 0 | 231 | 0 | 11 | 64 | 22 | 0 | 97 | 0 | 19 | 158 | 42 | 0 | 219 | 0 | 751 |
| Hourly Total | 243 | 301 | 245 | 1 | 790 | 0 | 134 | 719 | 135 | 0 | 988 | 0 | 67 | 334 | 134 | 0 | 535 | 0 | 97 | 681 | 183 | 0 | 961 | 0 | 3274 |
| 7:00PM | 38 | 70 | 58 | 1 | 167 | 0 | 29 | 195 | 12 | 0 | 236 | 0 | 13 | 73 | 26 | 0 | 112 | 0 | 9 | 116 | 37 | 0 | 162 | 0 | 677 |
| 7:15PM | 49 | 53 | 53 | 2 | 157 | 0 | 32 | 135 | 13 | 0 | 180 | 0 | 8 | 53 | 23 | 0 | 84 | 0 | 23 | 136 | 49 | 0 | 208 | 0 | 629 |
| 7:30PM | 36 | 39 | 48 | 1 | 124 | 0 | 28 | 100 | 14 | 0 | 142 | 0 | 23 | 65 | 26 | 0 | 114 | 0 | 19 | 118 | 31 | 0 | 168 | 0 | 548 |
| 7:45PM | 37 | 36 | 55 | 0 | 128 | 0 | 17 | 98 | 11 | 0 | 126 | 0 | 13 | 44 | 19 | 0 | 76 | 0 | 19 | 125 | 40 | 0 | 184 | 0 | 514 |
| Hourly Total | 160 | 198 | 214 | 4 | 576 | 0 | 106 | 528 | 50 | 0 | 684 | 0 | 57 | 235 | 94 | 0 | 386 | 0 | 70 | 495 | 157 | 0 | 722 | 0 | 2368 |
| 8:00PM | 31 | 35 | 43 | 0 | 109 | 0 | 20 | 87 | 12 | 0 | 119 | 0 | 7 | 66 | 24 | 0 | 97 | 0 | 16 | 93 | 26 | 0 | 135 | 0 | 460 |
| 8:15PM | 30 | 25 | 32 | 0 | 87 | 0 | 11 | 78 | 13 | 0 | 102 | 0 | 12 | 54 | 17 | 1 | 84 | 0 | 10 | 106 | 29 | 0 | 145 | 0 | 418 |
| 8:30PM | 21 | 15 | 32 | 0 | 68 | 0 | 14 | 78 | 5 | 0 | 97 | 0 | 5 | 43 | 15 | 0 | 63 | 0 | 9 | 90 | 27 | 0 | 126 | 0 | 354 |
| 8:45PM | 18 | 29 | 35 | 0 | 82 | 0 | 19 | 69 | 8 | 0 | 96 | 0 | 5 | 41 | 10 | 0 | 56 | 0 | 5 | 90 | 34 | 0 | 129 | 0 | 363 |
| Hourly Total | 100 | 104 | 142 | 0 | 346 | 0 | 64 | 312 | 38 | 0 | 414 | 0 | 29 | 204 | 66 | 1 | 300 | 0 | 40 | 379 | 116 | 0 | 535 | 0 | 1595 |
| 9:00PM | 16 | 27 | 22 | 0 | 65 | 0 | 10 | 65 | 4 | 0 | 79 | 0 | 7 | 60 | 16 | 0 | 83 | 0 | 20 | 72 | 23 | 0 | 115 | 0 | 342 |
| 9:15PM | 17 | 24 | 32 | 0 | 73 | 0 | 12 | 32 | 8 | 0 | 52 | 0 | 9 | 38 | 10 | 0 | 57 | 0 | 14 | 56 | 32 | 0 | 102 | 0 | 284 |
| 9:30PM | 19 | 18 | 16 | 0 | 53 | 0 | 8 | 54 | 1 | 0 | 63 | 0 | 5 | 29 | 12 | 0 | 46 | 0 | 14 | 65 | 18 | 0 | 97 | 0 | 259 |
| 9:45PM | 19 | 18 | 16 | 0 | 53 | 0 | 11 | 34 | 7 | 0 | 52 | 0 | 1 | 29 | 11 | 0 | 41 | 0 | 5 | 40 | 18 | 0 | 63 | 0 | 209 |
| Hourly Total | 71 | 87 | 86 | 0 | 244 | 0 | 41 | 185 | 20 | 0 | 246 | 0 | 22 | 156 | 49 | 0 | 227 | 0 | 53 | 233 | 91 | 0 | 377 | 0 | 1094 |
| 10:00PM | 10 | 16 | 13 | 0 | 39 | 0 | 9 | 35 | 5 | 0 | 49 | 0 | 6 | 24 | 7 | 0 | 37 | 0 | 10 | 50 | 7 | 0 | 67 | 0 | 192 |
| 10:15PM | 9 | 12 | 13 | 0 | 34 | 0 | 0 | 22 | 0 | 0 | 22 | 0 | 3 | 23 | 6 | 0 | 32 | 0 | 4 | 43 | 9 | 0 | 56 | 0 | 144 |
| 10:30PM | 10 | 12 | 6 | 0 | 28 | 0 | 5 | 25 | 4 | 0 | 34 | 0 | 1 | 17 | 4 | 1 | 23 | 0 | 7 | 38 | 10 | 0 | 55 | 0 | 140 |
| 10:45PM | 8 | 7 | 11 | 0 | 26 | 0 | 7 | 31 | 1 | 0 | 39 | 0 | 3 | 12 | 1 | 0 | 16 | 0 | 4 | 23 | 9 | 0 | 36 | 0 | 117 |
| Hourly Total | 37 | 47 | 43 | 0 | 127 | 0 | 21 | 113 | 10 | 0 | 144 | 0 | 13 | 76 | 18 | 1 | 108 | 0 | 25 | 154 | 35 | 0 | 214 | 0 | 593 |
| 11:00PM | 4 | 12 | 4 | 0 | 20 | 0 | 5 | 23 | 2 | 0 | 30 | 0 | 2 | 16 | 8 | 0 | 26 | 0 | 3 | 27 | 2 | 0 | 32 | 0 | 108 |
| 11:15PM | 5 | 8 | 6 | 0 | 19 | 1 | 3 | 19 | 0 | 0 | 22 | 1 | 3 | 17 | 4 | 0 | 24 | 0 | 6 | 22 | 8 | 0 | 36 | 0 | 101 |
| 11:30PM | 7 | 7 | 5 | 0 | 19 | 0 | 7 | 16 | 5 | 0 | 28 | 0 | 4 | 15 | 1 | 0 | 20 | 0 | 7 | 27 | 3 | 0 | 37 | 1 | 104 |
| 11:45PM | 7 | 9 | 7 | 0 | 23 | 0 | 3 | 15 | 0 | 0 | 18 | 1 | 1 | 13 | 3 | 0 | 17 | 0 | 7 | 21 | 3 | 0 | 31 | 0 | 89 |
| Hourly Total | 23 | 36 | 22 | 0 | 81 | 1 | 18 | 73 | 7 | 0 | 98 | 2 | 10 | 61 | 16 | 0 | 87 | 0 | 23 | 97 | 16 | 0 | 136 | 1 | 402 |
| Total | 2437 | 4426 | 2701 | 12 | 9576 | 4 | 1755 | 9485 | 1433 | 1 | 12674 | 8 | 1269 | 4838 | 1665 | 3 | 7775 | 1 | 1212 | 8638 | 2666 | 0 | 12516 | 4 | 42541 |
| % Approach | 25.4% | 46.2% | 28.2% | 0.1% | - | - | 13.8% | 74.8% | 11.3% | 0% | - | - | 16.3% | 62.2% | 21.4% | 0% | - | - | 9.7% | 69.0% | 21.3% | 0% | - | - | - |
| % Total | 5.7% | 10.4% | 6.3% | 0% | 22.5% | - | 4.1% | 22.3% | 3.4% | 0% | 29.8% | - | 3.0% | 11.4% | 3.9% | 0% | 18.3% | - | 2.8% | 20.3% | 6.3% | 0% | 29.4% | - | - |
| Lights | 2395 | 4382 | 2668 | 12 | 9457 | - | 1723 | 9350 | 1405 | 1 | 12479 | - | 1253 | 4794 | 1651 | 3 | 7701 | - | 1188 | 8498 | 2637 | 0 | | | |

East Blvd at Spencer Hwy - TMC

Tue Dec 18, 2018

Full Length (12AM-12AM (+1))

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

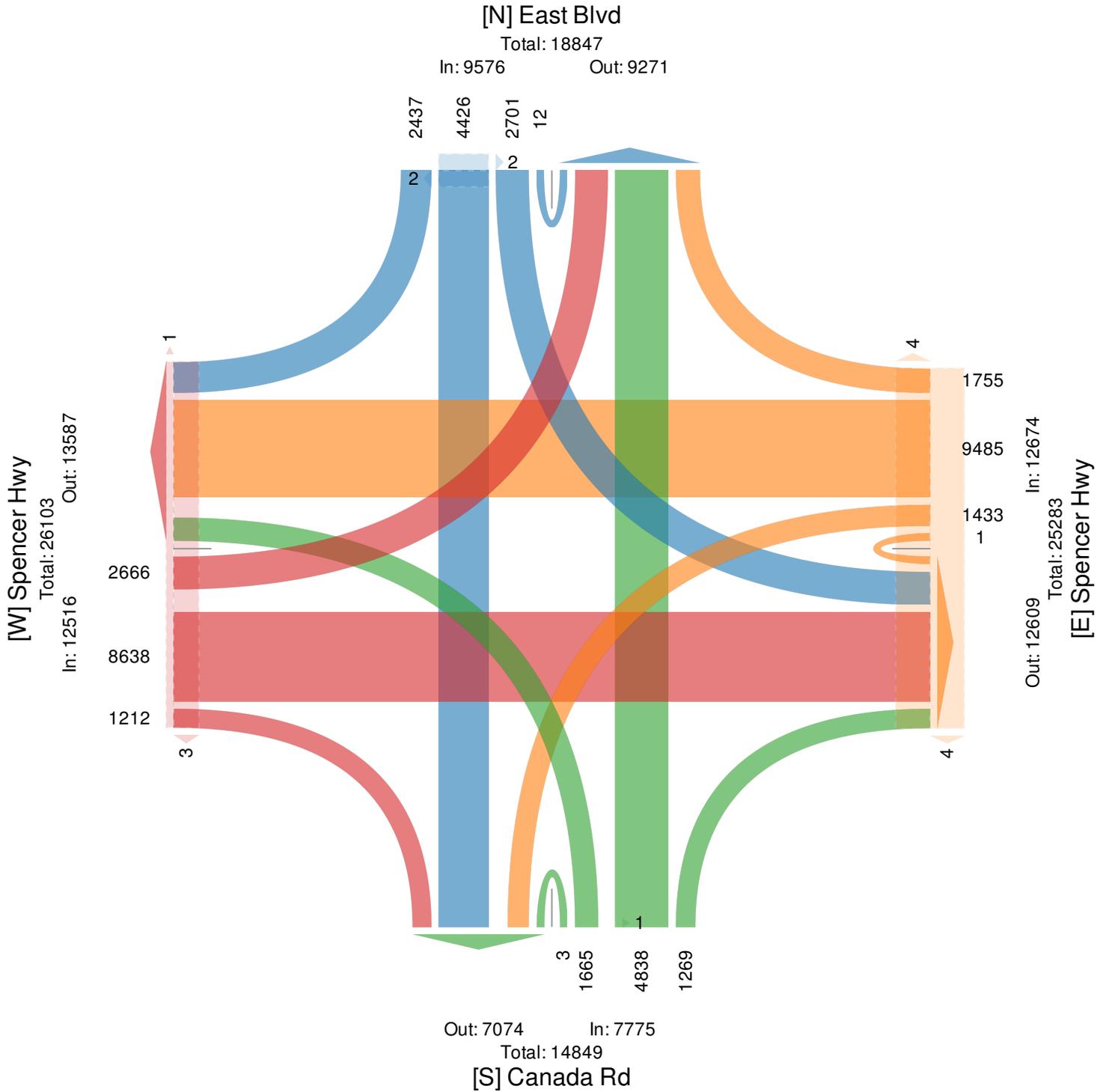
All Movements

ID: 599585, Location: 29.664147, -95.098162



Provided by: C. J. Hensch & Associates Inc.

5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at Spencer Hwy - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7:15AM - 8:15AM)

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

All Movements

ID: 599585, Location: 29.664147, -95.098162



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction Time | East Blvd Southbound | | | | | | Spencer Hwy Westbound | | | | | | Canada Rd Northbound | | | | | | Spencer Hwy Eastbound | | | | | | Int |
|---------------------------------------|-------------------------|-------|-------|----|-------|------|--------------------------|-------|-------|----|-------|------|-------------------------|-------|-------|-------|-------|------|--------------------------|-------|-------|----|-------|------|-------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 7:15AM | 30 | 87 | 25 | 0 | 142 | 0 | 31 | 148 | 19 | 0 | 198 | 0 | 31 | 92 | 25 | 0 | 148 | 0 | 16 | 106 | 36 | 0 | 158 | 0 | 646 |
| 7:30AM | 43 | 131 | 34 | 0 | 208 | 0 | 31 | 126 | 31 | 0 | 188 | 0 | 46 | 96 | 13 | 0 | 155 | 0 | 12 | 102 | 46 | 0 | 160 | 0 | 711 |
| 7:45AM | 35 | 94 | 37 | 0 | 166 | 0 | 36 | 124 | 19 | 0 | 179 | 0 | 62 | 100 | 20 | 1 | 183 | 0 | 18 | 112 | 31 | 0 | 161 | 0 | 689 |
| 8:00AM | 33 | 96 | 35 | 0 | 164 | 0 | 36 | 123 | 26 | 0 | 185 | 0 | 50 | 71 | 12 | 0 | 133 | 0 | 8 | 84 | 40 | 0 | 132 | 0 | 614 |
| Total | 141 | 408 | 131 | 0 | 680 | 0 | 134 | 521 | 95 | 0 | 750 | 0 | 189 | 359 | 70 | 1 | 619 | 0 | 54 | 404 | 153 | 0 | 611 | 0 | 2660 |
| % Approach | 20.7% | 60.0% | 19.3% | 0% | - | - | 17.9% | 69.5% | 12.7% | 0% | - | - | 30.5% | 58.0% | 11.3% | 0.2% | - | - | 8.8% | 66.1% | 25.0% | 0% | - | - | - |
| % Total | 5.3% | 15.3% | 4.9% | 0% | 25.6% | - | 5.0% | 19.6% | 3.6% | 0% | 28.2% | - | 7.1% | 13.5% | 2.6% | 0% | 23.3% | - | 2.0% | 15.2% | 5.8% | 0% | 23.0% | - | - |
| PHF | 0.820 | 0.779 | 0.885 | - | 0.817 | - | 0.931 | 0.880 | 0.766 | - | 0.947 | - | 0.762 | 0.898 | 0.700 | 0.250 | 0.846 | - | 0.750 | 0.902 | 0.832 | - | 0.949 | - | 0.935 |
| Lights | 139 | 405 | 128 | 0 | 672 | - | 130 | 513 | 90 | 0 | 733 | - | 188 | 356 | 70 | 1 | 615 | - | 52 | 393 | 148 | 0 | 593 | - | 2613 |
| % Lights | 98.6% | 99.3% | 97.7% | 0% | 98.8% | - | 97.0% | 98.5% | 94.7% | 0% | 97.7% | - | 99.5% | 99.2% | 100% | 100% | 99.4% | - | 96.3% | 97.3% | 96.7% | 0% | 97.1% | - | 98.2% |
| Articulated Trucks | 1 | 1 | 0 | 0 | 2 | - | 0 | 1 | 0 | 0 | 1 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 1 | 0 | 2 | - | 5 |
| % Articulated Trucks | 0.7% | 0.2% | 0% | 0% | 0.3% | - | 0% | 0.2% | 0% | 0% | 0.1% | - | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.2% | 0.7% | 0% | 0.3% | - | 0.2% |
| Buses and Single-Unit Trucks | 1 | 2 | 3 | 0 | 6 | - | 4 | 7 | 5 | 0 | 16 | - | 1 | 3 | 0 | 0 | 4 | - | 2 | 10 | 4 | 0 | 16 | - | 42 |
| % Buses and Single-Unit Trucks | 0.7% | 0.5% | 2.3% | 0% | 0.9% | - | 3.0% | 1.3% | 5.3% | 0% | 2.1% | - | 0.5% | 0.8% | 0% | 0% | 0.6% | - | 3.7% | 2.5% | 2.6% | 0% | 2.6% | - | 1.6% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

East Blvd at Spencer Hwy - TMC

Tue Dec 18, 2018

AM Peak (Dec 18 2018 7:15AM - 8:15AM)

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

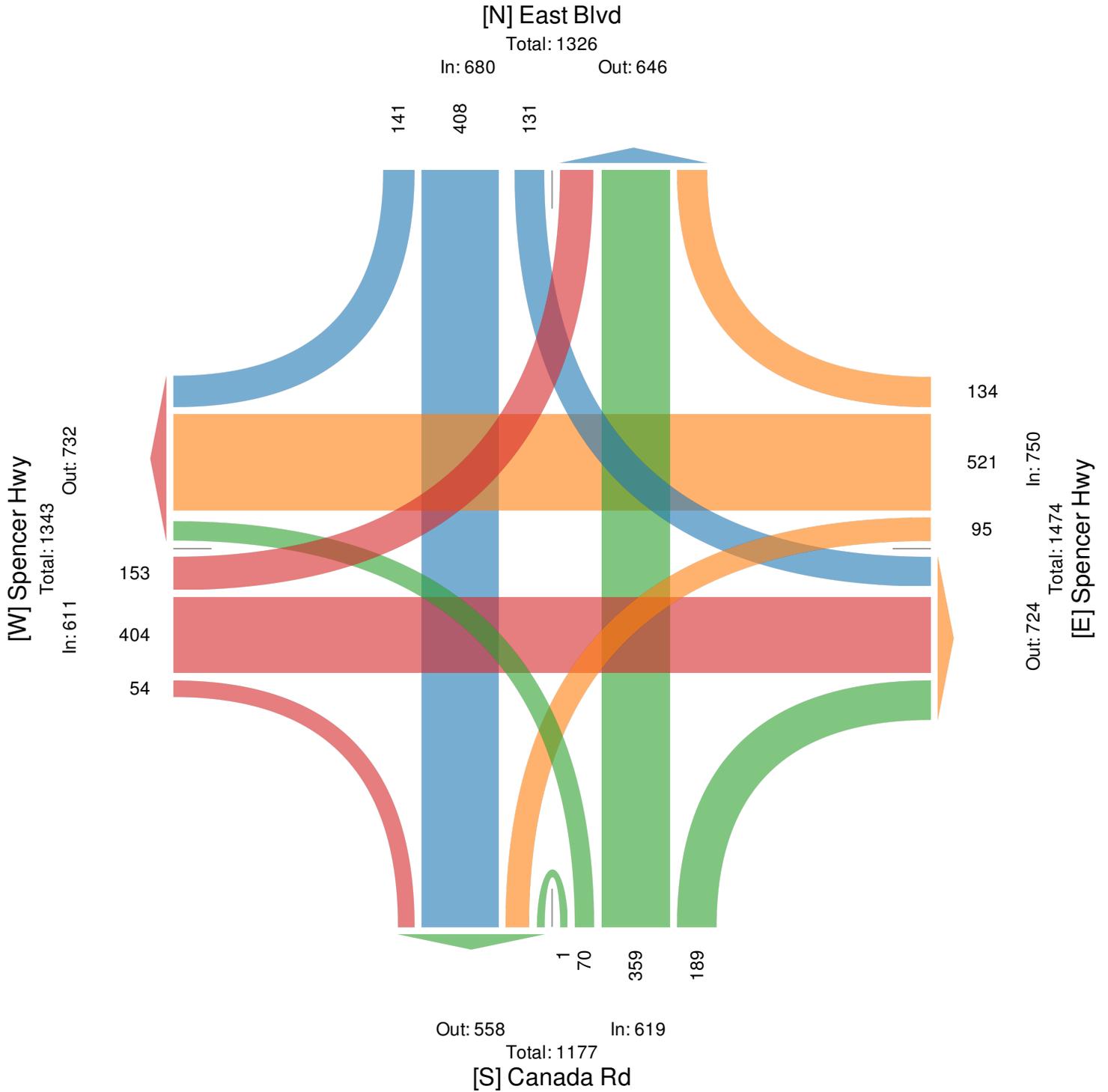
All Movements

ID: 599585, Location: 29.664147, -95.098162



Provided by: C. J. Hensch & Associates Inc.

5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at Spencer Hwy - TMC

Tue Dec 18, 2018

Midday Peak (Dec 18 2018 12PM - 1PM)

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

All Movements

ID: 599585, Location: 29.664147, -95.098162



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | Spencer Hwy Westbound | | | | | | Canada Rd Northbound | | | | | | Spencer Hwy Eastbound | | | | | | Int |
|---------------------------------------|----------------------|-------|-------|----|--------------|------|-----------------------|-------|-------|----|--------------|------|----------------------|-------|-------|----|--------------|------|-----------------------|-------|-------|----|--------------|------|-------------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 12:00PM | 51 | 62 | 55 | 0 | 168 | 0 | 36 | 177 | 23 | 0 | 236 | 0 | 16 | 67 | 78 | 0 | 161 | 0 | 28 | 165 | 47 | 0 | 240 | 1 | 805 |
| 12:15PM | 52 | 67 | 64 | 0 | 183 | 0 | 37 | 196 | 19 | 0 | 252 | 0 | 13 | 70 | 27 | 0 | 110 | 0 | 31 | 176 | 64 | 0 | 271 | 0 | 816 |
| 12:30PM | 56 | 83 | 55 | 0 | 194 | 0 | 38 | 144 | 20 | 0 | 202 | 0 | 14 | 67 | 30 | 0 | 111 | 0 | 20 | 137 | 50 | 0 | 207 | 0 | 714 |
| 12:45PM | 35 | 60 | 49 | 0 | 144 | 0 | 26 | 160 | 11 | 0 | 197 | 0 | 12 | 58 | 22 | 0 | 92 | 0 | 27 | 184 | 49 | 0 | 260 | 0 | 693 |
| Total | 194 | 272 | 223 | 0 | 689 | 0 | 137 | 677 | 73 | 0 | 887 | 0 | 55 | 262 | 157 | 0 | 474 | 0 | 106 | 662 | 210 | 0 | 978 | 1 | 3028 |
| % Approach | 28.2% | 39.5% | 32.4% | 0% | - | - | 15.4% | 76.3% | 8.2% | 0% | - | - | 11.6% | 55.3% | 33.1% | 0% | - | - | 10.8% | 67.7% | 21.5% | 0% | - | - | - |
| % Total | 6.4% | 9.0% | 7.4% | 0% | 22.8% | - | 4.5% | 22.4% | 2.4% | 0% | 29.3% | - | 1.8% | 8.7% | 5.2% | 0% | 15.7% | - | 3.5% | 21.9% | 6.9% | 0% | 32.3% | - | - |
| PHF | 0.866 | 0.819 | 0.871 | - | 0.888 | - | 0.901 | 0.864 | 0.793 | - | 0.880 | - | 0.859 | 0.936 | 0.503 | - | 0.736 | - | 0.855 | 0.899 | 0.820 | - | 0.902 | - | 0.928 |
| Lights | 192 | 269 | 220 | 0 | 681 | - | 136 | 661 | 71 | 0 | 868 | - | 54 | 257 | 157 | 0 | 468 | - | 105 | 650 | 206 | 0 | 961 | - | 2978 |
| % Lights | 99.0% | 98.9% | 98.7% | 0% | 98.8% | - | 99.3% | 97.6% | 97.3% | 0% | 97.9% | - | 98.2% | 98.1% | 100% | 0% | 98.7% | - | 99.1% | 98.2% | 98.1% | 0% | 98.3% | - | 98.3% |
| Articulated Trucks | 0 | 0 | 0 | 0 | 0 | - | 1 | 3 | 0 | 0 | 4 | - | 1 | 0 | 0 | 0 | 1 | - | 0 | 2 | 0 | 0 | 2 | - | 7 |
| % Articulated Trucks | 0% | 0% | 0% | 0% | 0% | - | 0.7% | 0.4% | 0% | 0% | 0.5% | - | 1.8% | 0% | 0% | 0% | 0.2% | - | 0% | 0.3% | 0% | 0% | 0.2% | - | 0.2% |
| Buses and Single-Unit Trucks | 2 | 3 | 3 | 0 | 8 | - | 0 | 13 | 2 | 0 | 15 | - | 0 | 5 | 0 | 0 | 5 | - | 1 | 10 | 4 | 0 | 15 | - | 43 |
| % Buses and Single-Unit Trucks | 1.0% | 1.1% | 1.3% | 0% | 1.2% | - | 0% | 1.9% | 2.7% | 0% | 1.7% | - | 0% | 1.9% | 0% | 0% | 1.1% | - | 0.9% | 1.5% | 1.9% | 0% | 1.5% | - | 1.4% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 1 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | -100% |

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

East Blvd at Spencer Hwy - TMC

Tue Dec 18, 2018

Midday Peak (Dec 18 2018 12PM - 1PM)

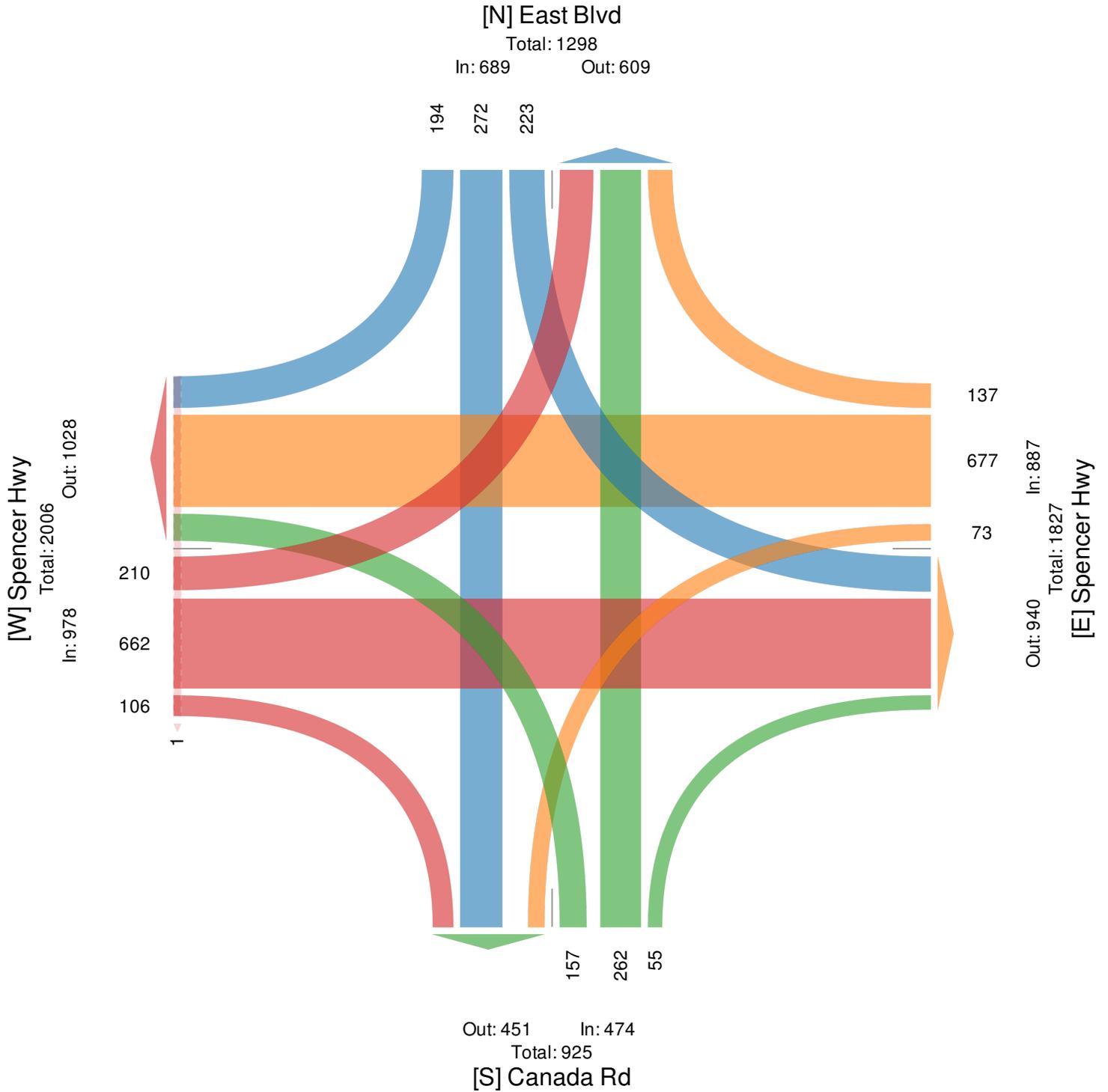
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599585, Location: 29.664147, -95.098162



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



East Blvd at Spencer Hwy - TMC

Tue Dec 18, 2018

PM Peak (Dec 18 2018 5PM - 6PM) - Overall Peak Hour

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

All Movements

ID: 599585, Location: 29.664147, -95.098162



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave., Pasadena, TX, 77503, US

| Leg Direction | East Blvd Southbound | | | | | | Spencer Hwy Westbound | | | | | | Canada Rd Northbound | | | | | | Spencer Hwy Eastbound | | | | | | Int |
|---------------------------------------|-------------------------|------------|------------|----------|--------------|----------|--------------------------|-------------|------------|----------|--------------|----------|-------------------------|------------|------------|----------|--------------|----------|--------------------------|------------|------------|----------|--------------|----------|-------------|
| | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | R | T | L | U | App | Ped* | |
| 2018-12-18 5:00PM | 40 | 128 | 50 | 1 | 219 | 0 | 36 | 301 | 59 | 0 | 396 | 0 | 22 | 108 | 50 | 0 | 180 | 0 | 33 | 189 | 38 | 0 | 260 | 0 | 1055 |
| 5:15PM | 38 | 133 | 31 | 0 | 202 | 0 | 26 | 330 | 84 | 0 | 440 | 0 | 20 | 106 | 29 | 0 | 155 | 0 | 18 | 246 | 62 | 0 | 326 | 0 | 1123 |
| 5:30PM | 52 | 104 | 64 | 0 | 220 | 0 | 36 | 328 | 38 | 0 | 402 | 0 | 20 | 123 | 34 | 0 | 177 | 0 | 32 | 175 | 58 | 0 | 265 | 0 | 1064 |
| 5:45PM | 59 | 106 | 54 | 0 | 219 | 0 | 46 | 225 | 42 | 0 | 313 | 0 | 17 | 103 | 28 | 0 | 148 | 0 | 24 | 179 | 51 | 0 | 254 | 0 | 934 |
| Total | 189 | 471 | 199 | 1 | 860 | 0 | 144 | 1184 | 223 | 0 | 1551 | 0 | 79 | 440 | 141 | 0 | 660 | 0 | 107 | 789 | 209 | 0 | 1105 | 0 | 4176 |
| % Approach | 22.0% | 54.8% | 23.1% | 0.1% | - | - | 9.3% | 76.3% | 14.4% | 0% | - | - | 12.0% | 66.7% | 21.4% | 0% | - | - | 9.7% | 71.4% | 18.9% | 0% | - | - | - |
| % Total | 4.5% | 11.3% | 4.8% | 0% | 20.6% | - | 3.4% | 28.4% | 5.3% | 0% | 37.1% | - | 1.9% | 10.5% | 3.4% | 0% | 15.8% | - | 2.6% | 18.9% | 5.0% | 0% | 26.5% | - | - |
| PHF | 0.801 | 0.885 | 0.777 | 0.250 | 0.977 | - | 0.783 | 0.897 | 0.664 | - | 0.881 | - | 0.898 | 0.894 | 0.705 | - | 0.917 | - | 0.811 | 0.802 | 0.843 | - | 0.847 | - | 0.930 |
| Lights | 189 | 470 | 199 | 1 | 859 | - | 143 | 1171 | 220 | 0 | 1534 | - | 78 | 438 | 139 | 0 | 655 | - | 106 | 786 | 209 | 0 | 1101 | - | 4149 |
| % Lights | 100% | 99.8% | 100% | 100% | 99.9% | - | 99.3% | 98.9% | 98.7% | 0% | 98.9% | - | 98.7% | 99.5% | 98.6% | 0% | 99.2% | - | 99.1% | 99.6% | 100% | 0% | 99.6% | - | 99.4% |
| Articulated Trucks | 0 | 0 | 0 | 0 | 0 | - | 0 | 3 | 1 | 0 | 4 | - | 0 | 0 | 1 | 0 | 1 | - | 1 | 2 | 0 | 0 | 3 | - | 8 |
| % Articulated Trucks | 0% | 0% | 0% | 0% | 0% | - | 0% | 0.3% | 0.4% | 0% | 0.3% | - | 0% | 0% | 0.7% | 0% | 0.2% | - | 0.9% | 0.3% | 0% | 0% | 0.3% | - | 0.2% |
| Buses and Single-Unit Trucks | 0 | 1 | 0 | 0 | 1 | - | 1 | 10 | 2 | 0 | 13 | - | 1 | 2 | 1 | 0 | 4 | - | 0 | 1 | 0 | 0 | 1 | - | 19 |
| % Buses and Single-Unit Trucks | 0% | 0.2% | 0% | 0% | 0.1% | - | 0.7% | 0.8% | 0.9% | 0% | 0.8% | - | 1.3% | 0.5% | 0.7% | 0% | 0.6% | - | 0% | 0.1% | 0% | 0% | 0.1% | - | 0.5% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

East Blvd at Spencer Hwy - TMC

Tue Dec 18, 2018

PM Peak (Dec 18 2018 5PM - 6PM) - Overall Peak Hour

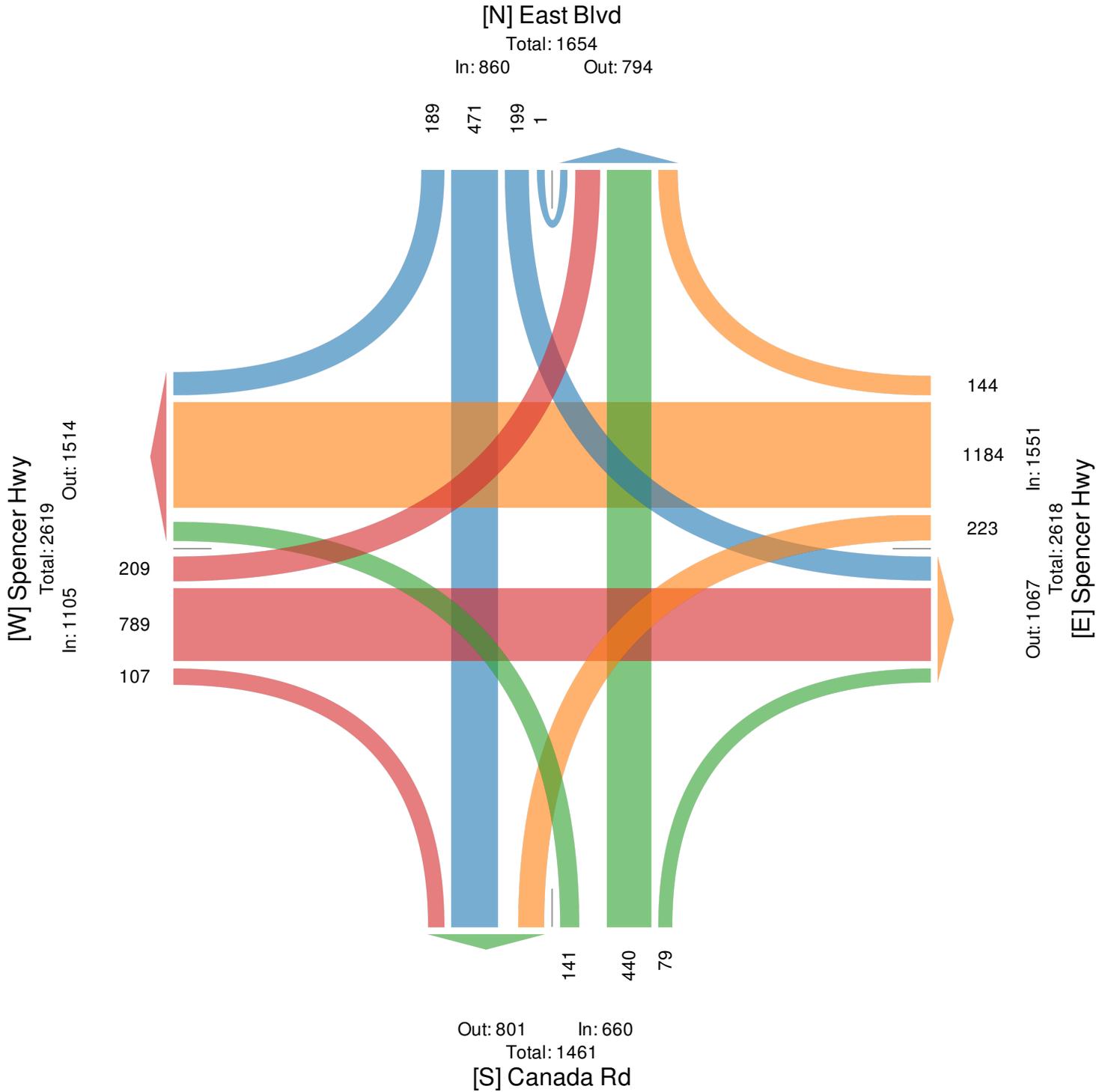
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)

All Movements

ID: 599585, Location: 29.664147, -95.098162



Provided by: C. J. Hensch & Associates Inc.
5215 Sycamore Ave.,
Pasadena, TX, 77503, US



Appendix C: Synchro Outputs

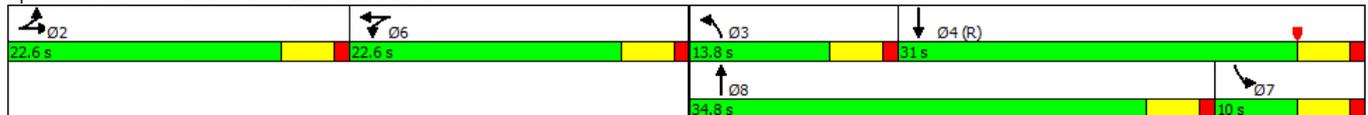


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 32 | 88 | 63 | 23 | 85 | 24 | 62 | 712 | 120 | 42 | 350 | 22 |
| Future Volume (vph) | 32 | 88 | 63 | 23 | 85 | 24 | 62 | 712 | 120 | 42 | 350 | 22 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 125 | | 0 | 125 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3328 | 0 | 0 | 3413 | 0 | 1770 | 3461 | 0 | 1770 | 3507 | 0 |
| Flt Permitted | | 0.991 | | | 0.991 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3328 | 0 | 0 | 3413 | 0 | 1770 | 3461 | 0 | 1770 | 3507 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 68 | | | 26 | | | 23 | | | 7 | |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | 40 | |
| Link Distance (ft) | | 1287 | | | 1741 | | | 1887 | | | 1987 | |
| Travel Time (s) | | 21.9 | | | 29.7 | | | 25.7 | | | 33.9 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 199 | 0 | 0 | 143 | 0 | 67 | 904 | 0 | 46 | 404 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 22.6 | 22.6 | | 22.6 | 22.6 | | 13.8 | 34.8 | | 10.0 | 31.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 9.0 | | | 8.5 | | 8.7 | 53.1 | | 5.5 | 47.8 | |
| Actuated g/C Ratio | | 0.10 | | | 0.09 | | 0.10 | 0.59 | | 0.06 | 0.53 | |
| v/c Ratio | | 0.51 | | | 0.42 | | 0.39 | 0.44 | | 0.43 | 0.22 | |
| Control Delay | | 29.3 | | | 34.6 | | 29.9 | 14.3 | | 40.3 | 6.6 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 29.3 | | | 34.6 | | 29.9 | 14.3 | | 40.3 | 6.6 | |
| LOS | | C | | | C | | C | B | | D | A | |
| Approach Delay | | 29.3 | | | 34.6 | | | 15.4 | | | 10.0 | |
| Approach LOS | | C | | | C | | | B | | | B | |
| Queue Length 50th (ft) | | 37 | | | 33 | | 28 | 217 | | 26 | 33 | |
| Queue Length 95th (ft) | | 68 | | | 61 | | 62 | 305 | | 60 | 54 | |
| Internal Link Dist (ft) | | 1207 | | | 1661 | | | 1807 | | | 1907 | |
| Turn Bay Length (ft) | | | | | | | 125 | | | 125 | | |
| Base Capacity (vph) | | 723 | | | 707 | | 196 | 2049 | | 108 | 1866 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.28 | | | 0.20 | | 0.34 | 0.44 | | 0.43 | 0.22 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 2 (2%), Referenced to phase 4:SBT, Start of Yellow
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.51
 Intersection Signal Delay: 17.1 Intersection LOS: B
 Intersection Capacity Utilization 52.2% ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 2: East Blvd/ East Blvd & EX St



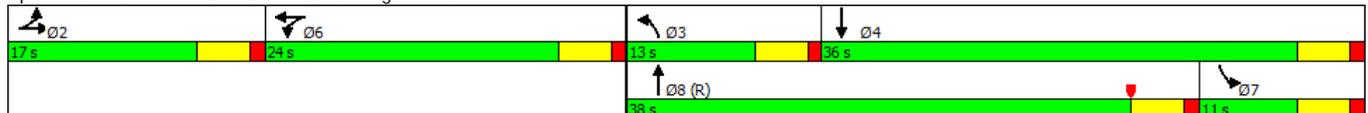


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 122 | 10 | 88 | 49 | 35 | 70 | 54 | 655 | 14 | 24 | 355 | 65 |
| Future Volume (vph) | 122 | 10 | 88 | 49 | 35 | 70 | 54 | 655 | 14 | 24 | 355 | 65 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 180 | | 0 | 180 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3237 | 0 | 0 | 3246 | 0 | 1770 | 3529 | 0 | 1770 | 3458 | 0 |
| Flt Permitted | | 0.973 | | | 0.984 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3237 | 0 | 0 | 3246 | 0 | 1770 | 3529 | 0 | 1770 | 3458 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 96 | | | 76 | | | 3 | | | 26 | |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | 50 | |
| Link Distance (ft) | | 1505 | | | 1283 | | | 1889 | | | 1887 | |
| Travel Time (s) | | 25.7 | | | 21.9 | | | 25.8 | | | 25.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 240 | 0 | 0 | 167 | 0 | 59 | 727 | 0 | 26 | 457 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 17.0 | 17.0 | | 24.0 | 24.0 | | 13.0 | 38.0 | | 11.0 | 36.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 9.3 | | | 8.1 | | 8.4 | 54.7 | | 6.2 | 48.2 | |
| Actuated g/C Ratio | | 0.10 | | | 0.09 | | 0.09 | 0.61 | | 0.07 | 0.54 | |
| v/c Ratio | | 0.57 | | | 0.47 | | 0.36 | 0.34 | | 0.21 | 0.25 | |
| Control Delay | | 27.8 | | | 25.5 | | 49.9 | 6.2 | | 40.7 | 8.0 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 27.8 | | | 25.5 | | 49.9 | 6.2 | | 40.7 | 8.0 | |
| LOS | | C | | | C | | D | A | | D | A | |
| Approach Delay | | 27.8 | | | 25.5 | | | 9.5 | | | 9.7 | |
| Approach LOS | | C | | | C | | | A | | | A | |
| Queue Length 50th (ft) | | 41 | | | 25 | | 33 | 64 | | 16 | 45 | |
| Queue Length 95th (ft) | | 75 | | | 55 | | 66 | 125 | | 42 | 150 | |
| Internal Link Dist (ft) | | 1425 | | | 1203 | | | 1809 | | | 1807 | |
| Turn Bay Length (ft) | | | | | | | 180 | | | 180 | | |
| Base Capacity (vph) | | 532 | | | 762 | | 183 | 2146 | | 127 | 1863 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.45 | | | 0.22 | | 0.32 | 0.34 | | 0.20 | 0.25 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 35 (39%), Referenced to phase 8:NBT, Start of Yellow
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.57
 Intersection Signal Delay: 13.8 Intersection LOS: B
 Intersection Capacity Utilization 47.4% ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 3: East Blvd & E San Augustine St



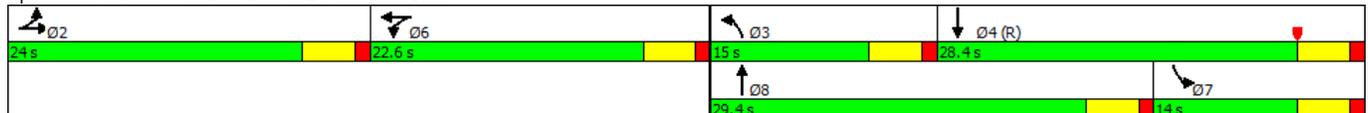


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 133 | 243 | 132 | 58 | 217 | 88 | 97 | 437 | 88 | 87 | 507 | 79 |
| Future Volume (vph) | 133 | 243 | 132 | 58 | 217 | 88 | 97 | 437 | 88 | 87 | 507 | 79 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 150 | | 0 | 145 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3357 | 0 | 0 | 3385 | 0 | 1770 | 3451 | 0 | 1770 | 3468 | 0 |
| Flt Permitted | | 0.987 | | | 0.992 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3357 | 0 | 0 | 3385 | 0 | 1770 | 3451 | 0 | 1770 | 3468 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 49 | | | 43 | | | 26 | | | 19 | |
| Link Speed (mph) | | 45 | | | 45 | | | 50 | | | 50 | |
| Link Distance (ft) | | 1569 | | | 1385 | | | 1882 | | | 1883 | |
| Travel Time (s) | | 23.8 | | | 21.0 | | | 25.7 | | | 25.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 552 | 0 | 0 | 395 | 0 | 105 | 571 | 0 | 95 | 637 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 24.0 | 24.0 | | 22.6 | 22.6 | | 15.0 | 29.4 | | 14.0 | 28.4 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 17.8 | | | 14.5 | | 9.7 | 33.0 | | 8.8 | 32.2 | |
| Actuated g/C Ratio | | 0.20 | | | 0.16 | | 0.11 | 0.37 | | 0.10 | 0.36 | |
| v/c Ratio | | 0.79 | | | 0.68 | | 0.55 | 0.45 | | 0.55 | 0.51 | |
| Control Delay | | 39.7 | | | 37.5 | | 31.0 | 15.9 | | 37.7 | 14.7 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 39.7 | | | 37.5 | | 31.0 | 15.9 | | 37.7 | 14.7 | |
| LOS | | D | | | D | | C | B | | D | B | |
| Approach Delay | | 39.7 | | | 37.5 | | | 18.3 | | | 17.7 | |
| Approach LOS | | D | | | D | | | B | | | B | |
| Queue Length 50th (ft) | | 140 | | | 100 | | 55 | 156 | | 55 | 81 | |
| Queue Length 95th (ft) | | 198 | | | 142 | | 95 | 218 | | 97 | 105 | |
| Internal Link Dist (ft) | | 1489 | | | 1305 | | | 1802 | | | 1803 | |
| Turn Bay Length (ft) | | | | | | | 150 | | | 145 | | |
| Base Capacity (vph) | | 765 | | | 715 | | 213 | 1281 | | 186 | 1251 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.72 | | | 0.55 | | 0.49 | 0.45 | | 0.51 | 0.51 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 85 (94%), Referenced to phase 4:SBT, Start of Yellow
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.79
 Intersection Signal Delay: 26.3 Intersection LOS: C
 Intersection Capacity Utilization 62.2% ICU Level of Service B
 Analysis Period (min) 15

Splits and Phases: 5: East Blvd & E Pasadena Blvd



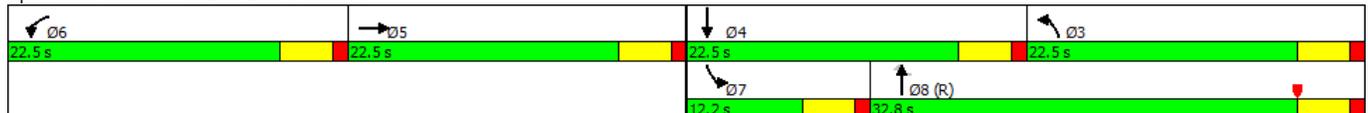


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|------|------|------|-------|------|------|------|------|------|-------|------|------|
| Lane Configurations | | ↑ | | ↔ | | ↔ | ↔ | ↔ | | ↔ | ↔ | |
| Traffic Volume (vph) | 0 | 0 | 0 | 163 | 0 | 112 | 0 | 554 | 121 | 86 | 607 | 0 |
| Future Volume (vph) | 0 | 0 | 0 | 163 | 0 | 112 | 0 | 554 | 121 | 86 | 607 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 180 | | 0 | 175 | | 0 |
| Storage Lanes | 0 | | 0 | 1 | | 1 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 1863 | 0 | 1770 | 0 | 1583 | 1863 | 3444 | 0 | 1770 | 3539 | 0 |
| Flt Permitted | | | | 0.950 | | | | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 1863 | 0 | 1770 | 0 | 1583 | 1863 | 3444 | 0 | 1770 | 3539 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | | | | | 127 | | 30 | | | | |
| Link Speed (mph) | | 30 | | | 20 | | | 50 | | | 50 | |
| Link Distance (ft) | | 94 | | | 1176 | | | 2888 | | | 1882 | |
| Travel Time (s) | | 2.1 | | | 40.1 | | | 39.4 | | | 25.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 0 | 0 | 177 | 0 | 122 | 0 | 734 | 0 | 93 | 660 | 0 |
| Turn Type | | | | Prot | | Perm | Prot | NA | | Prot | NA | |
| Protected Phases | | 5 | | 6 | | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | 8 | | | | | | |
| Total Split (s) | | 22.5 | | 22.5 | | 32.8 | 22.5 | 32.8 | | 12.2 | 22.5 | |
| Total Lost Time (s) | | 4.5 | | 4.5 | | 4.5 | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | | | 13.9 | | 54.6 | 4.5 | 54.6 | | 10.2 | 67.1 | |
| Actuated g/C Ratio | | | | 0.15 | | 0.61 | 0.61 | 0.61 | | 0.11 | 0.75 | |
| v/c Ratio | | | | 0.65 | | 0.12 | 0.12 | 0.35 | | 0.47 | 0.25 | |
| Control Delay | | | | 46.5 | | 2.4 | 2.4 | 4.8 | | 63.4 | 1.7 | |
| Queue Delay | | | | 0.0 | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | | | 46.5 | | 2.4 | 2.4 | 4.8 | | 63.4 | 1.7 | |
| LOS | | | | D | | A | A | A | | E | A | |
| Approach Delay | | | | | 28.5 | | | 4.8 | | | 9.3 | |
| Approach LOS | | | | | C | | | A | | | A | |
| Queue Length 50th (ft) | | | | 95 | | 0 | | 11 | | 58 | 16 | |
| Queue Length 95th (ft) | | | | 155 | | 25 | | 24 | | m89 | 22 | |
| Internal Link Dist (ft) | | 14 | | | 1096 | | | 2808 | | | 1802 | |
| Turn Bay Length (ft) | | | | | | | | | | 175 | | |
| Base Capacity (vph) | | | | 354 | | 1010 | | 2100 | | 205 | 2638 | |
| Starvation Cap Reductn | | | | 0 | | 0 | | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | | | 0 | | 0 | | 0 | | 0 | 0 | |
| Storage Cap Reductn | | | | 0 | | 0 | | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | | | 0.50 | | 0.12 | | 0.35 | | 0.45 | 0.25 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 50 (56%), Referenced to phase 8:NBT, Start of Yellow
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.65
 Intersection Signal Delay: 10.7 Intersection LOS: B
 Intersection Capacity Utilization 43.8% ICU Level of Service A
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 6: East Blvd & Aaron St



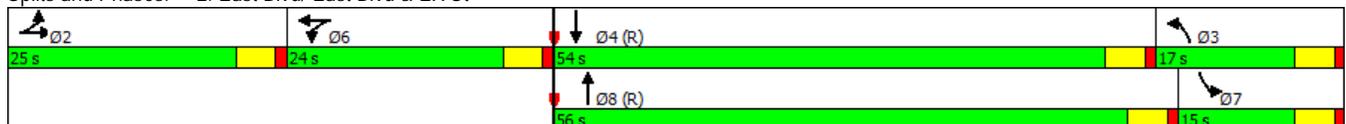


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 32 | 88 | 63 | 23 | 85 | 24 | 62 | 712 | 120 | 42 | 350 | 22 |
| Future Volume (vph) | 32 | 88 | 63 | 23 | 85 | 24 | 62 | 712 | 120 | 42 | 350 | 22 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 125 | | 0 | 125 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3328 | 0 | 0 | 3413 | 0 | 1770 | 3461 | 0 | 1770 | 3507 | 0 |
| Flt Permitted | | 0.991 | | | 0.991 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3328 | 0 | 0 | 3413 | 0 | 1770 | 3461 | 0 | 1770 | 3507 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 66 | | | 19 | | | 20 | | | 6 | |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | 40 | |
| Link Distance (ft) | | 1287 | | | 1741 | | | 1887 | | | 1987 | |
| Travel Time (s) | | 21.9 | | | 29.7 | | | 25.7 | | | 33.9 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 199 | 0 | 0 | 143 | 0 | 67 | 904 | 0 | 46 | 404 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 25.0 | 25.0 | | 24.0 | 24.0 | | 17.0 | 56.0 | | 15.0 | 54.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 24.7 | | | 9.7 | | 10.0 | 61.3 | | 8.3 | 59.7 | |
| Actuated g/C Ratio | | 0.21 | | | 0.08 | | 0.08 | 0.51 | | 0.07 | 0.50 | |
| v/c Ratio | | 0.27 | | | 0.49 | | 0.46 | 0.51 | | 0.38 | 0.23 | |
| Control Delay | | 29.0 | | | 50.8 | | 39.3 | 16.6 | | 52.5 | 9.1 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 29.0 | | | 50.8 | | 39.3 | 16.6 | | 52.5 | 9.1 | |
| LOS | | C | | | D | | D | B | | D | A | |
| Approach Delay | | 29.0 | | | 50.8 | | | 18.2 | | | 13.5 | |
| Approach LOS | | C | | | D | | | B | | | B | |
| Queue Length 50th (ft) | | 46 | | | 48 | | 49 | 97 | | 36 | 34 | |
| Queue Length 95th (ft) | | 83 | | | 81 | | 80 | 246 | | 77 | 51 | |
| Internal Link Dist (ft) | | 1207 | | | 1661 | | | 1807 | | | 1907 | |
| Turn Bay Length (ft) | | | | | | | 125 | | | 125 | | |
| Base Capacity (vph) | | 737 | | | 570 | | 184 | 1776 | | 154 | 1746 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.27 | | | 0.25 | | 0.36 | 0.51 | | 0.30 | 0.23 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 25 (21%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.51
 Intersection Signal Delay: 20.9 Intersection LOS: C
 Intersection Capacity Utilization 52.2% ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 2: East Blvd/ East Blvd & EX St



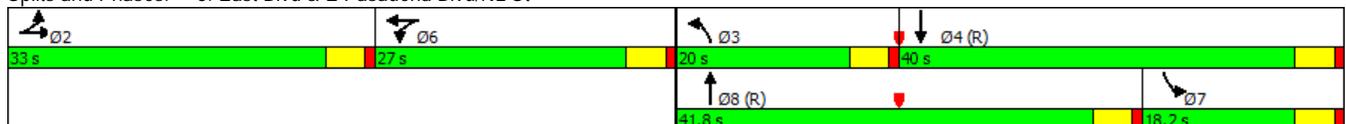


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 133 | 243 | 132 | 58 | 217 | 88 | 97 | 437 | 88 | 87 | 507 | 79 |
| Future Volume (vph) | 133 | 243 | 132 | 58 | 217 | 88 | 97 | 437 | 88 | 87 | 507 | 79 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 150 | | 0 | 145 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3357 | 0 | 0 | 3385 | 0 | 1770 | 3451 | 0 | 1770 | 3468 | 0 |
| Flt Permitted | | 0.987 | | | 0.992 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3357 | 0 | 0 | 3385 | 0 | 1770 | 3451 | 0 | 1770 | 3468 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 38 | | | 32 | | | 20 | | | 15 | |
| Link Speed (mph) | | 45 | | | 45 | | | 50 | | | 50 | |
| Link Distance (ft) | | 1569 | | | 1385 | | | 1882 | | | 1883 | |
| Travel Time (s) | | 23.8 | | | 21.0 | | | 25.7 | | | 25.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 552 | 0 | 0 | 395 | 0 | 105 | 571 | 0 | 95 | 637 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 33.0 | 33.0 | | 27.0 | 27.0 | | 20.0 | 41.8 | | 18.2 | 40.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 28.5 | | | 18.1 | | 12.1 | 41.7 | | 13.7 | 43.4 | |
| Actuated g/C Ratio | | 0.24 | | | 0.15 | | 0.10 | 0.35 | | 0.11 | 0.36 | |
| v/c Ratio | | 0.67 | | | 0.74 | | 0.59 | 0.47 | | 0.47 | 0.50 | |
| Control Delay | | 43.1 | | | 53.0 | | 47.0 | 18.7 | | 42.8 | 17.1 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 43.1 | | | 53.0 | | 47.0 | 18.7 | | 42.8 | 17.1 | |
| LOS | | D | | | D | | D | B | | D | B | |
| Approach Delay | | 43.1 | | | 53.0 | | | 23.1 | | | 20.5 | |
| Approach LOS | | D | | | D | | | C | | | C | |
| Queue Length 50th (ft) | | 191 | | | 143 | | 86 | 184 | | 74 | 142 | |
| Queue Length 95th (ft) | | 254 | | | 190 | | 119 | 269 | | 133 | 258 | |
| Internal Link Dist (ft) | | 1489 | | | 1305 | | | 1802 | | | 1803 | |
| Turn Bay Length (ft) | | | | | | | 150 | | | 145 | | |
| Base Capacity (vph) | | 826 | | | 660 | | 228 | 1212 | | 202 | 1262 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.67 | | | 0.60 | | 0.46 | 0.47 | | 0.47 | 0.50 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 100 (83%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.74
 Intersection Signal Delay: 32.0 Intersection LOS: C
 Intersection Capacity Utilization 62.2% ICU Level of Service B
 Analysis Period (min) 15

Splits and Phases: 5: East Blvd & E Pasadena Blvd/NL St



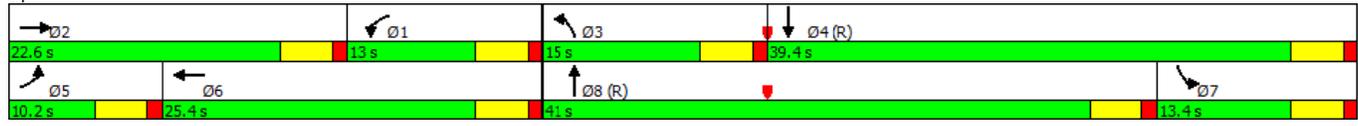


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
| Lane Configurations | ↖ | ↕ | | ↖ | ↕ | | ↖ | ↕ | | ↖ | ↕ | |
| Traffic Volume (vph) | 24 | 82 | 149 | 64 | 87 | 132 | 97 | 224 | 30 | 58 | 814 | 114 |
| Future Volume (vph) | 24 | 82 | 149 | 64 | 87 | 132 | 97 | 224 | 30 | 58 | 814 | 114 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 275 | | 0 | 300 | | 0 | 120 | | 0 | 185 | | 0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 1770 | 3196 | 0 | 1770 | 3221 | 0 | 1770 | 3476 | 0 | 1770 | 3476 | 0 |
| Flt Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1770 | 3196 | 0 | 1770 | 3221 | 0 | 1770 | 3476 | 0 | 1770 | 3476 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 162 | | | 143 | | | 20 | | | 20 | |
| Link Speed (mph) | | 30 | | | 45 | | | 40 | | | 40 | |
| Link Distance (ft) | | 1097 | | | 1373 | | | 1987 | | | 2625 | |
| Travel Time (s) | | 24.9 | | | 20.8 | | | 33.9 | | | 44.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 26 | 251 | 0 | 70 | 238 | 0 | 105 | 276 | 0 | 63 | 1009 | 0 |
| Turn Type | Prot | NA | |
| Protected Phases | 5 | 2 | | 1 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 10.2 | 22.6 | | 13.0 | 25.4 | | 15.0 | 41.0 | | 13.4 | 39.4 | |
| Total Lost Time (s) | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | 5.7 | 20.7 | | 7.9 | 27.0 | | 9.4 | 39.2 | | 8.2 | 38.2 | |
| Actuated g/C Ratio | 0.06 | 0.23 | | 0.09 | 0.30 | | 0.10 | 0.44 | | 0.09 | 0.42 | |
| v/c Ratio | 0.23 | 0.29 | | 0.45 | 0.22 | | 0.57 | 0.18 | | 0.39 | 0.68 | |
| Control Delay | 45.5 | 12.5 | | 48.3 | 11.5 | | 32.2 | 13.8 | | 45.5 | 24.4 | |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | 45.5 | 12.5 | | 48.3 | 11.5 | | 32.2 | 13.8 | | 45.5 | 24.4 | |
| LOS | D | B | | D | B | | C | B | | D | C | |
| Approach Delay | | 15.6 | | | 19.9 | | | 18.8 | | | 25.6 | |
| Approach LOS | | B | | | B | | | B | | | C | |
| Queue Length 50th (ft) | 14 | 22 | | 38 | 18 | | 52 | 64 | | 34 | 249 | |
| Queue Length 95th (ft) | 40 | 54 | | 80 | 53 | | 116 | 110 | | 74 | 324 | |
| Internal Link Dist (ft) | | 1017 | | | 1293 | | | 1907 | | | 2545 | |
| Turn Bay Length (ft) | 275 | | | 300 | | | 120 | | | 185 | | |
| Base Capacity (vph) | 112 | 860 | | 167 | 1066 | | 206 | 1524 | | 175 | 1487 | |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | 0.23 | 0.29 | | 0.42 | 0.22 | | 0.51 | 0.18 | | 0.36 | 0.68 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 0 (0%), Referenced to phase 4:SBT and 8:NBT, Start of Green, Master Intersection
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.68
 Intersection Signal Delay: 22.1 Intersection LOS: C
 Intersection Capacity Utilization 57.7% ICU Level of Service B
 Analysis Period (min) 15

Splits and Phases: 1: East Blvd/East Blvd & E Thirteenth St



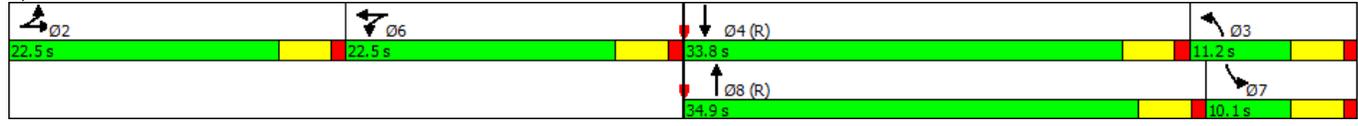


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | ↕↕ | | | ↕↕ | | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 19 | 81 | 78 | 166 | 129 | 36 | 106 | 281 | 60 | 24 | 1025 | 73 |
| Future Volume (vph) | 19 | 81 | 78 | 166 | 129 | 36 | 106 | 281 | 60 | 24 | 1025 | 73 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 125 | | 0 | 125 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3289 | 0 | 0 | 3399 | 0 | 1770 | 3447 | 0 | 1770 | 3504 | 0 |
| Flt Permitted | | 0.995 | | | 0.976 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3289 | 0 | 0 | 3399 | 0 | 1770 | 3447 | 0 | 1770 | 3504 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 85 | | | 13 | | | 30 | | | 9 | |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | 40 | |
| Link Distance (ft) | | 1287 | | | 1741 | | | 1887 | | | 1987 | |
| Travel Time (s) | | 21.9 | | | 29.7 | | | 25.7 | | | 33.9 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 194 | 0 | 0 | 359 | 0 | 115 | 370 | 0 | 26 | 1193 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 22.5 | 22.5 | | 22.5 | 22.5 | | 11.2 | 34.9 | | 10.1 | 33.8 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 18.0 | | | 14.3 | | 6.7 | 40.1 | | 5.6 | 33.0 | |
| Actuated g/C Ratio | | 0.20 | | | 0.16 | | 0.07 | 0.45 | | 0.06 | 0.37 | |
| v/c Ratio | | 0.27 | | | 0.65 | | 0.88 | 0.24 | | 0.24 | 0.93 | |
| Control Delay | | 18.1 | | | 39.7 | | 88.8 | 6.0 | | 30.3 | 31.7 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 18.1 | | | 39.7 | | 88.8 | 6.0 | | 30.3 | 31.7 | |
| LOS | | B | | | D | | F | A | | C | C | |
| Approach Delay | | 18.1 | | | 39.7 | | | 25.6 | | | 31.7 | |
| Approach LOS | | B | | | D | | | C | | | C | |
| Queue Length 50th (ft) | | 27 | | | 98 | | 70 | 21 | | 14 | 147 | |
| Queue Length 95th (ft) | | 56 | | | 137 | | #173 | 75 | | m23 | #497 | |
| Internal Link Dist (ft) | | 1207 | | | 1661 | | | 1807 | | | 1907 | |
| Turn Bay Length (ft) | | | | | | | 125 | | | 125 | | |
| Base Capacity (vph) | | 725 | | | 690 | | 131 | 1554 | | 110 | 1289 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.27 | | | 0.52 | | 0.88 | 0.24 | | 0.24 | 0.93 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 25 (28%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.93
 Intersection Signal Delay: 30.5 Intersection LOS: C
 Intersection Capacity Utilization 66.4% ICU Level of Service C
 Analysis Period (min) 15
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 2: East Blvd/ East Blvd & EX St



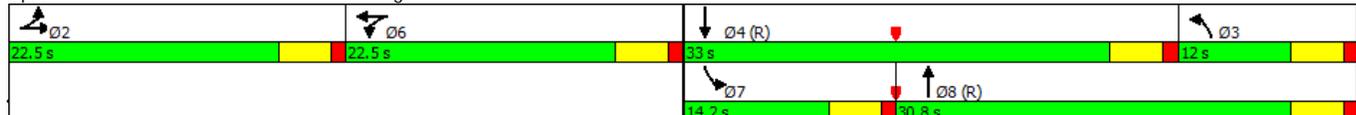


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | ↔ | | | ↔ | | | ↑ | ↔ | | ↑ | ↔ | |
| Traffic Volume (vph) | 59 | 25 | 138 | 34 | 13 | 26 | 139 | 367 | 43 | 75 | 920 | 174 |
| Future Volume (vph) | 59 | 25 | 138 | 34 | 13 | 26 | 139 | 367 | 43 | 75 | 920 | 174 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 180 | | 0 | 180 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3168 | 0 | 0 | 3275 | 0 | 1770 | 3483 | 0 | 1770 | 3454 | 0 |
| Flt Permitted | | 0.987 | | | 0.977 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3168 | 0 | 0 | 3275 | 0 | 1770 | 3483 | 0 | 1770 | 3454 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 150 | | | 28 | | | 14 | | | 25 | |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | 50 | |
| Link Distance (ft) | | 1505 | | | 1283 | | | 1889 | | | 1887 | |
| Travel Time (s) | | 25.7 | | | 21.9 | | | 25.8 | | | 25.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 241 | 0 | 0 | 79 | 0 | 151 | 446 | 0 | 82 | 1189 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 22.5 | 22.5 | | 22.5 | 22.5 | | 12.0 | 30.8 | | 14.2 | 33.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 18.0 | | | 6.9 | | 7.5 | 41.7 | | 9.5 | 41.6 | |
| Actuated g/C Ratio | | 0.20 | | | 0.08 | | 0.08 | 0.46 | | 0.11 | 0.46 | |
| v/c Ratio | | 0.32 | | | 0.28 | | 1.03 | 0.28 | | 0.44 | 0.74 | |
| Control Delay | | 13.5 | | | 29.5 | | 107.8 | 10.1 | | 34.3 | 15.3 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 13.5 | | | 29.5 | | 107.8 | 10.1 | | 34.3 | 15.3 | |
| LOS | | B | | | C | | F | B | | C | B | |
| Approach Delay | | 13.5 | | | 29.5 | | | 34.8 | | | 16.5 | |
| Approach LOS | | B | | | C | | | C | | | B | |
| Queue Length 50th (ft) | | 22 | | | 14 | | -50 | 17 | | 35 | 381 | |
| Queue Length 95th (ft) | | 55 | | | 35 | | #195 | 81 | | m36 | m421 | |
| Internal Link Dist (ft) | | 1425 | | | 1203 | | | 1809 | | | 1807 | |
| Turn Bay Length (ft) | | | | | | | 180 | | | 180 | | |
| Base Capacity (vph) | | 753 | | | 677 | | 147 | 1619 | | 208 | 1608 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.32 | | | 0.12 | | 1.03 | 0.28 | | 0.39 | 0.74 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 82 (91%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.03
 Intersection Signal Delay: 21.7 Intersection LOS: C
 Intersection Capacity Utilization 64.7% ICU Level of Service C
 Analysis Period (min) 15
 - Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 3: East Blvd & E San Augustine St



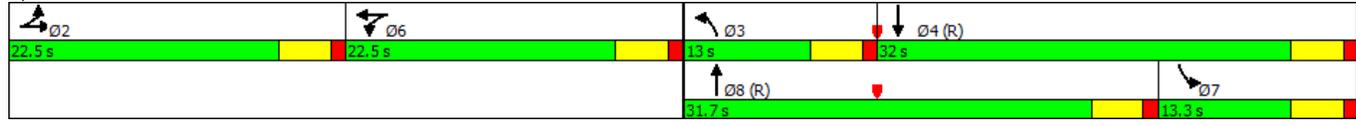


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 36 | 23 | 107 | 71 | 29 | 26 | 133 | 480 | 96 | 58 | 933 | 86 |
| Future Volume (vph) | 36 | 23 | 107 | 71 | 29 | 26 | 133 | 480 | 96 | 58 | 933 | 86 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 175 | | 0 | 175 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3161 | 0 | 0 | 3337 | 0 | 1770 | 3451 | 0 | 1770 | 3493 | 0 |
| Flt Permitted | | 0.989 | | | 0.973 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3161 | 0 | 0 | 3337 | 0 | 1770 | 3451 | 0 | 1770 | 3493 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 116 | | | 28 | | | 26 | | | 11 | |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | 50 | |
| Link Distance (ft) | | 1773 | | | 1725 | | | 1883 | | | 1889 | |
| Travel Time (s) | | 30.2 | | | 29.4 | | | 25.7 | | | 25.8 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 180 | 0 | 0 | 137 | 0 | 145 | 626 | 0 | 63 | 1107 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 22.5 | 22.5 | | 22.5 | 22.5 | | 13.0 | 31.7 | | 13.3 | 32.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 18.0 | | | 8.3 | | 13.4 | 39.5 | | 8.1 | 32.2 | |
| Actuated g/C Ratio | | 0.20 | | | 0.09 | | 0.15 | 0.44 | | 0.09 | 0.36 | |
| v/c Ratio | | 0.25 | | | 0.41 | | 0.55 | 0.41 | | 0.39 | 0.88 | |
| Control Delay | | 13.0 | | | 33.7 | | 30.4 | 22.2 | | 26.3 | 19.9 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 13.0 | | | 33.7 | | 30.4 | 22.2 | | 26.3 | 19.9 | |
| LOS | | B | | | C | | C | C | | C | B | |
| Approach Delay | | 13.0 | | | 33.7 | | | 23.7 | | | 20.3 | |
| Approach LOS | | B | | | C | | | C | | | C | |
| Queue Length 50th (ft) | | 15 | | | 31 | | 89 | 183 | | 31 | 122 | |
| Queue Length 95th (ft) | | 43 | | | 58 | | m122 | m231 | | m43 | #466 | |
| Internal Link Dist (ft) | | 1693 | | | 1645 | | | 1803 | | | 1809 | |
| Turn Bay Length (ft) | | | | | | | 175 | | | 175 | | |
| Base Capacity (vph) | | 725 | | | 689 | | 263 | 1530 | | 173 | 1258 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.25 | | | 0.20 | | 0.55 | 0.41 | | 0.36 | 0.88 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 0 (0%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.88
 Intersection Signal Delay: 21.7 Intersection LOS: C
 Intersection Capacity Utilization 60.2% ICU Level of Service B
 Analysis Period (min) 15
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: East Blvd & EP St/NP St



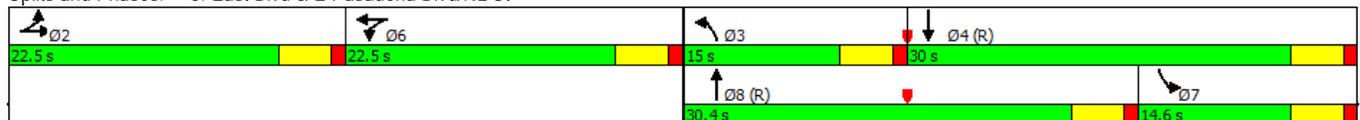


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|-------|------|
| Lane Configurations | ↕↕ | | | ↕↕ | | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 63 | 272 | 192 | 147 | 397 | 103 | 197 | 551 | 109 | 122 | 813 | 172 |
| Future Volume (vph) | 63 | 272 | 192 | 147 | 397 | 103 | 197 | 551 | 109 | 122 | 813 | 172 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 150 | | 0 | 145 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3324 | 0 | 0 | 3416 | 0 | 1770 | 3451 | 0 | 1770 | 3447 | 0 |
| Flt Permitted | | 0.994 | | | 0.989 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3324 | 0 | 0 | 3416 | 0 | 1770 | 3451 | 0 | 1770 | 3447 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 112 | | | 22 | | | 26 | | | 28 | |
| Link Speed (mph) | | 45 | | | 45 | | | 50 | | | 50 | |
| Link Distance (ft) | | 1569 | | | 1385 | | | 1882 | | | 1883 | |
| Travel Time (s) | | 23.8 | | | 21.0 | | | 25.7 | | | 25.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 573 | 0 | 0 | 704 | 0 | 214 | 717 | 0 | 133 | 1071 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 22.5 | 22.5 | | 22.5 | 22.5 | | 15.0 | 30.4 | | 14.6 | 30.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 18.0 | | | 18.0 | | 10.5 | 25.9 | | 10.1 | 25.5 | |
| Actuated g/C Ratio | | 0.20 | | | 0.20 | | 0.12 | 0.29 | | 0.11 | 0.28 | |
| v/c Ratio | | 0.76 | | | 1.01 | | 1.04 | 0.71 | | 0.67 | 1.08 | |
| Control Delay | | 34.6 | | | 71.7 | | 102.9 | 12.5 | | 33.8 | 64.1 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 34.6 | | | 71.7 | | 102.9 | 12.5 | | 33.8 | 64.1 | |
| LOS | | C | | | E | | F | B | | C | E | |
| Approach Delay | | 34.6 | | | 71.7 | | | 33.3 | | | 60.8 | |
| Approach LOS | | C | | | E | | | C | | | E | |
| Queue Length 50th (ft) | | 131 | | | ~208 | | ~137 | 177 | | 80 | ~359 | |
| Queue Length 95th (ft) | | 191 | | | #331 | | #257 | 83 | | m93 | m#463 | |
| Internal Link Dist (ft) | | 1489 | | | 1305 | | | 1802 | | | 1803 | |
| Turn Bay Length (ft) | | | | | | | 150 | | | 145 | | |
| Base Capacity (vph) | | 754 | | | 700 | | 206 | 1011 | | 198 | 996 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.76 | | | 1.01 | | 1.04 | 0.71 | | 0.67 | 1.08 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 34 (38%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.08
 Intersection Signal Delay: 51.1 Intersection LOS: D
 Intersection Capacity Utilization 87.9% ICU Level of Service E
 Analysis Period (min) 15
 - Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 5: East Blvd & E Pasadena Blvd/NL St



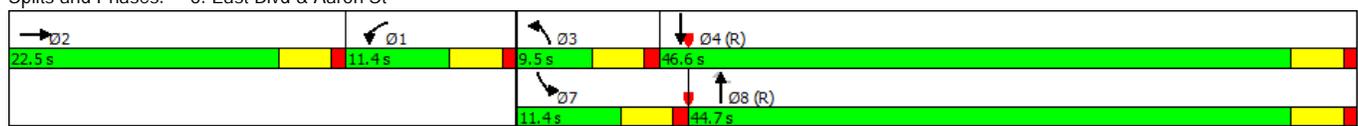


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|------|------|------|-------|------|------|------|------|------|-------|------|------|
| Lane Configurations | | ↑ | | ↘ | | ↗ | ↘ | ↗ | ↕ | ↘ | ↗ | |
| Traffic Volume (vph) | 0 | 0 | 0 | 48 | 0 | 24 | 0 | 846 | 66 | 48 | 1077 | 0 |
| Future Volume (vph) | 0 | 0 | 0 | 48 | 0 | 24 | 0 | 846 | 66 | 48 | 1077 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 180 | | 0 | 175 | | 0 |
| Storage Lanes | 0 | | 0 | 1 | | 1 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 1863 | 0 | 1770 | 0 | 1583 | 1863 | 3500 | 0 | 1770 | 3539 | 0 |
| Flt Permitted | | | | 0.950 | | | | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 1863 | 0 | 1770 | 0 | 1583 | 1863 | 3500 | 0 | 1770 | 3539 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | | | | | 127 | | 12 | | | | |
| Link Speed (mph) | | 30 | | | 20 | | | 50 | | | 50 | |
| Link Distance (ft) | | 94 | | | 1176 | | | 2887 | | | 1882 | |
| Travel Time (s) | | 2.1 | | | 40.1 | | | 39.4 | | | 25.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 0 | 0 | 52 | 0 | 26 | 0 | 992 | 0 | 52 | 1171 | 0 |
| Turn Type | | | | Prot | | Perm | Prot | NA | | Prot | NA | |
| Protected Phases | | 2 | | 1 | | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | 8 | | | | | |
| Total Split (s) | | 22.5 | | 11.4 | | 44.7 | 9.5 | 44.7 | | 11.4 | 46.6 | |
| Total Lost Time (s) | | 4.5 | | 4.5 | | 4.5 | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | | | 6.6 | | 49.3 | | 49.3 | | 6.6 | 56.2 | |
| Actuated g/C Ratio | | | | 0.07 | | 0.55 | | 0.55 | | 0.07 | 0.62 | |
| v/c Ratio | | | | 0.40 | | 0.03 | | 0.52 | | 0.40 | 0.53 | |
| Control Delay | | | | 49.3 | | 0.0 | | 8.6 | | 54.6 | 5.1 | |
| Queue Delay | | | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | | | 49.3 | | 0.0 | | 8.6 | | 54.6 | 5.1 | |
| LOS | | | | D | | A | | A | | D | A | |
| Approach Delay | | | | | 32.9 | | | 8.6 | | | 7.2 | |
| Approach LOS | | | | | C | | | A | | | A | |
| Queue Length 50th (ft) | | | | 29 | | 0 | | 79 | | 27 | 56 | |
| Queue Length 95th (ft) | | | | 65 | | 0 | | 104 | | m27 | m54 | |
| Internal Link Dist (ft) | | 14 | | | 1096 | | | 2807 | | | 1802 | |
| Turn Bay Length (ft) | | | | | | | | | | 175 | | |
| Base Capacity (vph) | | | | 135 | | 925 | | 1923 | | 135 | 2208 | |
| Starvation Cap Reductn | | | | 0 | | 0 | | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | | | 0 | | 0 | | 0 | | 0 | 0 | |
| Storage Cap Reductn | | | | 0 | | 0 | | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | | | 0.39 | | 0.03 | | 0.52 | | 0.39 | 0.53 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 70 (78%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.53
 Intersection Signal Delay: 8.7 Intersection LOS: A
 Intersection Capacity Utilization 48.1% ICU Level of Service A
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 6: East Blvd & Aaron St



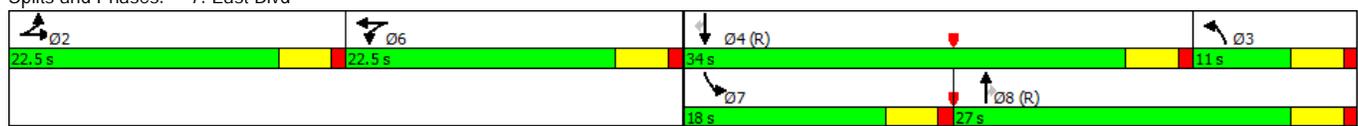


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
| Lane Configurations | ↖ | ↗ | | ↖ | ↗ | | ↖ | ↗ | ↗ | ↖ | ↗ | ↖ |
| Traffic Volume (vph) | 118 | 43 | 84 | 39 | 17 | 106 | 60 | 608 | 52 | 165 | 719 | 208 |
| Future Volume (vph) | 118 | 43 | 84 | 39 | 17 | 106 | 60 | 608 | 52 | 165 | 719 | 208 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 125 | | 75 | 110 | | 115 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 1770 | 1678 | 0 | 1770 | 1621 | 0 | 1770 | 3539 | 1583 | 1770 | 3539 | 1583 |
| Flt Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1770 | 1678 | 0 | 1770 | 1621 | 0 | 1770 | 3539 | 1583 | 1770 | 3539 | 1583 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 91 | | | 115 | | | | 127 | | | 183 |
| Link Speed (mph) | | 30 | | | 30 | | | 40 | | | 40 | |
| Link Distance (ft) | | 193 | | | 193 | | | 900 | | | 2887 | |
| Travel Time (s) | | 4.4 | | | 4.4 | | | 15.3 | | | 49.2 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 128 | 138 | 0 | 42 | 133 | 0 | 65 | 661 | 57 | 179 | 782 | 226 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | Perm | Prot | NA | Perm |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | 8 | | | 4 |
| Total Split (s) | 22.5 | 22.5 | | 22.5 | 22.5 | | 11.0 | 27.0 | 27.0 | 18.0 | 34.0 | 34.0 |
| Total Lost Time (s) | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Act Effct Green (s) | 18.0 | 18.0 | | 8.0 | 8.0 | | 6.3 | 31.5 | 31.5 | 14.4 | 41.7 | 41.7 |
| Actuated g/C Ratio | 0.20 | 0.20 | | 0.09 | 0.09 | | 0.07 | 0.35 | 0.35 | 0.16 | 0.46 | 0.46 |
| v/c Ratio | 0.36 | 0.34 | | 0.27 | 0.53 | | 0.53 | 0.53 | 0.09 | 0.63 | 0.48 | 0.27 |
| Control Delay | 34.5 | 14.9 | | 41.4 | 18.4 | | 33.7 | 12.9 | 0.9 | 39.4 | 4.8 | 1.1 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 34.5 | 14.9 | | 41.4 | 18.4 | | 33.7 | 12.9 | 0.9 | 39.4 | 4.8 | 1.1 |
| LOS | C | B | | D | B | | C | B | A | D | A | A |
| Approach Delay | | 24.3 | | | 23.9 | | | 13.8 | | | 9.3 | |
| Approach LOS | | C | | | C | | | B | | | A | |
| Queue Length 50th (ft) | 63 | 22 | | 23 | 10 | | 32 | 53 | 0 | 57 | 21 | 1 |
| Queue Length 95th (ft) | 116 | 72 | | 52 | 61 | | m37 | m181 | m2 | 97 | 80 | 1 |
| Internal Link Dist (ft) | | 113 | | | 113 | | | 820 | | | 2807 | |
| Turn Bay Length (ft) | | | | | | | 125 | | 75 | 110 | | 115 |
| Base Capacity (vph) | 354 | 408 | | 354 | 416 | | 127 | 1240 | 637 | 305 | 1638 | 831 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.36 | 0.34 | | 0.12 | 0.32 | | 0.51 | 0.53 | 0.09 | 0.59 | 0.48 | 0.27 |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 47 (52%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.63
 Intersection Signal Delay: 13.5 Intersection LOS: B
 Intersection Capacity Utilization 54.9% ICU Level of Service A
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 7: East Blvd



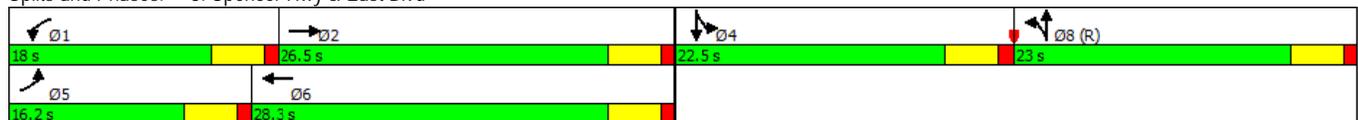


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
| Lane Configurations | ↖ | ↗ | | ↖ | ↗ | | ↖ | ↗ | | ↖ | ↗ | |
| Traffic Volume (vph) | 209 | 789 | 107 | 223 | 1184 | 144 | 141 | 440 | 79 | 199 | 471 | 189 |
| Future Volume (vph) | 209 | 789 | 107 | 223 | 1184 | 144 | 141 | 440 | 79 | 199 | 471 | 189 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 115 | | 0 | 100 | | 0 | 140 | | 0 | 155 | | 0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | 2 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 1770 | 4994 | 0 | 1770 | 5004 | 0 | 1770 | 3458 | 0 | 3433 | 3387 | 0 |
| Flt Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1770 | 4994 | 0 | 1770 | 5004 | 0 | 1770 | 3458 | 0 | 3433 | 3387 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 25 | | | 23 | | | 21 | | | 60 | |
| Link Speed (mph) | | 45 | | | 45 | | | 35 | | | 40 | |
| Link Distance (ft) | | 1366 | | | 1434 | | | 903 | | | 900 | |
| Travel Time (s) | | 20.7 | | | 21.7 | | | 17.6 | | | 15.3 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 227 | 974 | 0 | 242 | 1444 | 0 | 153 | 564 | 0 | 216 | 717 | 0 |
| Turn Type | Prot | NA | | Prot | NA | | Split | NA | | Split | NA | |
| Protected Phases | 5 | 2 | | 1 | 6 | | 8 | 8 | | 4 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 16.2 | 26.5 | | 18.0 | 28.3 | | 23.0 | 23.0 | | 22.5 | 22.5 | |
| Total Lost Time (s) | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | 11.7 | 22.0 | | 13.5 | 23.8 | | 18.5 | 18.5 | | 18.0 | 18.0 | |
| Actuated g/C Ratio | 0.13 | 0.24 | | 0.15 | 0.26 | | 0.21 | 0.21 | | 0.20 | 0.20 | |
| v/c Ratio | 0.99 | 0.79 | | 0.91 | 1.08 | | 0.42 | 0.78 | | 0.31 | 0.99 | |
| Control Delay | 97.8 | 36.3 | | 76.7 | 80.9 | | 35.3 | 41.0 | | 40.7 | 72.7 | |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | 97.8 | 36.3 | | 76.7 | 80.9 | | 35.3 | 41.0 | | 40.7 | 72.7 | |
| LOS | F | D | | E | F | | D | D | | D | E | |
| Approach Delay | | 47.9 | | | 80.3 | | | 39.8 | | | 65.3 | |
| Approach LOS | | D | | | F | | | D | | | E | |
| Queue Length 50th (ft) | 131 | 185 | | 137 | -335 | | 76 | 154 | | 66 | 218 | |
| Queue Length 95th (ft) | #276 | 235 | | #276 | #430 | | 135 | #215 | | 99 | #330 | |
| Internal Link Dist (ft) | | 1286 | | | 1354 | | | 823 | | | 820 | |
| Turn Bay Length (ft) | 115 | | | 100 | | | 140 | | | 155 | | |
| Base Capacity (vph) | 230 | 1239 | | 265 | 1340 | | 363 | 727 | | 686 | 725 | |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | 0.99 | 0.79 | | 0.91 | 1.08 | | 0.42 | 0.78 | | 0.31 | 0.99 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 19 (21%), Referenced to phase 8:NBTL, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.08
 Intersection Signal Delay: 62.2 Intersection LOS: E
 Intersection Capacity Utilization 79.5% ICU Level of Service D
 Analysis Period (min) 15
 - Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 8: Spencer Hwy & East Blvd



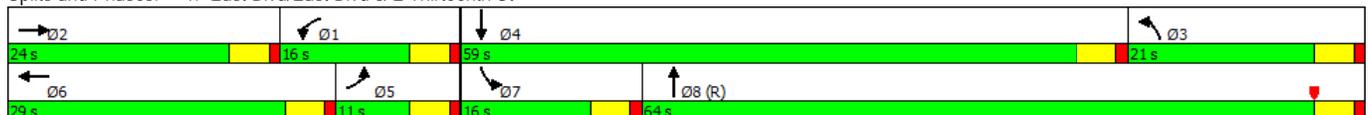


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
| Lane Configurations | ↖ | ↕ | ↗ | ↖ | ↕ | ↗ | ↖ | ↕ | ↗ | ↖ | ↕ | ↗ |
| Traffic Volume (vph) | 24 | 82 | 149 | 64 | 87 | 132 | 97 | 224 | 30 | 58 | 814 | 114 |
| Future Volume (vph) | 24 | 82 | 149 | 64 | 87 | 132 | 97 | 224 | 30 | 58 | 814 | 114 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 275 | | 0 | 300 | | 0 | 120 | | 0 | 185 | | 0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 1770 | 3196 | 0 | 1770 | 3221 | 0 | 1770 | 3476 | 0 | 1770 | 3476 | 0 |
| Flt Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1770 | 3196 | 0 | 1770 | 3221 | 0 | 1770 | 3476 | 0 | 1770 | 3476 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 162 | | | 143 | | | 18 | | | 17 | |
| Link Speed (mph) | | 30 | | | 45 | | | 40 | | | 40 | |
| Link Distance (ft) | | 1097 | | | 1373 | | | 1987 | | | 1738 | |
| Travel Time (s) | | 24.9 | | | 20.8 | | | 33.9 | | | 29.6 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 26 | 251 | 0 | 70 | 238 | 0 | 105 | 276 | 0 | 63 | 1009 | 0 |
| Turn Type | Prot | NA | |
| Protected Phases | 5 | 2 | | 1 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 11.0 | 24.0 | | 16.0 | 29.0 | | 21.0 | 64.0 | | 16.0 | 59.0 | |
| Total Lost Time (s) | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | 6.2 | 20.5 | | 9.8 | 26.1 | | 16.5 | 66.6 | | 9.2 | 57.3 | |
| Actuated g/C Ratio | 0.05 | 0.17 | | 0.08 | 0.22 | | 0.14 | 0.56 | | 0.08 | 0.48 | |
| v/c Ratio | 0.29 | 0.37 | | 0.48 | 0.29 | | 0.43 | 0.14 | | 0.46 | 0.60 | |
| Control Delay | 62.7 | 18.0 | | 63.4 | 17.0 | | 40.2 | 4.4 | | 63.5 | 25.1 | |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | 62.7 | 18.0 | | 63.4 | 17.0 | | 40.2 | 4.4 | | 63.5 | 25.1 | |
| LOS | E | B | | E | B | | D | A | | E | C | |
| Approach Delay | | 22.2 | | | 27.6 | | | 14.3 | | | 27.4 | |
| Approach LOS | | C | | | C | | | B | | | C | |
| Queue Length 50th (ft) | 20 | 31 | | 52 | 32 | | 82 | 15 | | 47 | 303 | |
| Queue Length 95th (ft) | 50 | 71 | | 101 | 68 | | m141 | 23 | | 93 | 375 | |
| Internal Link Dist (ft) | | 1017 | | | 1293 | | | 1907 | | | 1658 | |
| Turn Bay Length (ft) | 275 | | | 300 | | | 120 | | | 185 | | |
| Base Capacity (vph) | 95 | 680 | | 169 | 812 | | 243 | 1938 | | 169 | 1668 | |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | 0.27 | 0.37 | | 0.41 | 0.29 | | 0.43 | 0.14 | | 0.37 | 0.60 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 70 (58%), Referenced to phase 8:NBT, Start of Yellow
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.60
 Intersection Signal Delay: 24.3 Intersection LOS: C
 Intersection Capacity Utilization 57.7% ICU Level of Service B
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: East Blvd/East Blvd & E Thirteenth St



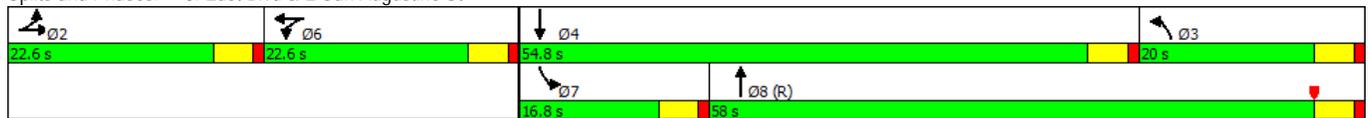


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 59 | 25 | 138 | 34 | 13 | 26 | 139 | 367 | 43 | 75 | 920 | 174 |
| Future Volume (vph) | 59 | 25 | 138 | 34 | 13 | 26 | 139 | 367 | 43 | 75 | 920 | 174 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 180 | | 0 | 180 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3168 | 0 | 0 | 3275 | 0 | 1770 | 3483 | 0 | 1770 | 3454 | 0 |
| Flt Permitted | | 0.987 | | | 0.977 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3168 | 0 | 0 | 3275 | 0 | 1770 | 3483 | 0 | 1770 | 3454 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 150 | | | 28 | | | 14 | | | 22 | |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | 50 | |
| Link Distance (ft) | | 1505 | | | 1283 | | | 1889 | | | 1887 | |
| Travel Time (s) | | 25.7 | | | 21.9 | | | 25.8 | | | 25.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 241 | 0 | 0 | 79 | 0 | 151 | 446 | 0 | 82 | 1189 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 22.6 | 22.6 | | 22.6 | 22.6 | | 20.0 | 58.0 | | 16.8 | 54.8 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.6 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 18.1 | | | 7.4 | | 15.5 | 69.8 | | 10.9 | 63.0 | |
| Actuated g/C Ratio | | 0.15 | | | 0.06 | | 0.13 | 0.58 | | 0.09 | 0.52 | |
| v/c Ratio | | 0.40 | | | 0.35 | | 0.66 | 0.22 | | 0.51 | 0.65 | |
| Control Delay | | 19.8 | | | 40.0 | | 49.8 | 2.9 | | 64.6 | 16.3 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 19.8 | | | 40.0 | | 49.8 | 2.9 | | 64.6 | 16.3 | |
| LOS | | B | | | D | | D | A | | E | B | |
| Approach Delay | | 19.8 | | | 40.0 | | | 14.7 | | | 19.5 | |
| Approach LOS | | B | | | D | | | B | | | B | |
| Queue Length 50th (ft) | | 32 | | | 20 | | 119 | 14 | | 60 | 376 | |
| Queue Length 95th (ft) | | 72 | | | 45 | | #199 | 27 | | m81 | 455 | |
| Internal Link Dist (ft) | | 1425 | | | 1203 | | | 1809 | | | 1807 | |
| Turn Bay Length (ft) | | | | | | | 180 | | | 180 | | |
| Base Capacity (vph) | | 605 | | | 517 | | 228 | 2030 | | 190 | 1824 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.40 | | | 0.15 | | 0.66 | 0.22 | | 0.43 | 0.65 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 10 (8%), Referenced to phase 8:NBT, Start of Yellow
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.66
 Intersection Signal Delay: 19.0 Intersection LOS: B
 Intersection Capacity Utilization 64.7% ICU Level of Service C
 Analysis Period (min) 15
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 3: East Blvd & E San Augustine St



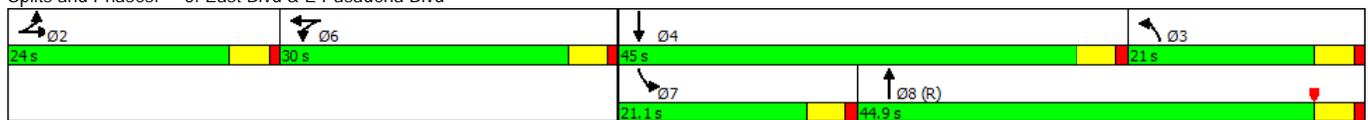


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 63 | 272 | 192 | 147 | 397 | 103 | 197 | 551 | 109 | 122 | 813 | 172 |
| Future Volume (vph) | 63 | 272 | 192 | 147 | 397 | 103 | 197 | 551 | 109 | 122 | 813 | 172 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 150 | | 0 | 145 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3324 | 0 | 0 | 3416 | 0 | 1770 | 3451 | 0 | 1770 | 3447 | 0 |
| Flt Permitted | | 0.994 | | | 0.989 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3324 | 0 | 0 | 3416 | 0 | 1770 | 3451 | 0 | 1770 | 3447 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 81 | | | 16 | | | 21 | | | 22 | |
| Link Speed (mph) | | 45 | | | 45 | | | 50 | | | 50 | |
| Link Distance (ft) | | 1569 | | | 1385 | | | 1882 | | | 1883 | |
| Travel Time (s) | | 23.8 | | | 21.0 | | | 25.7 | | | 25.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 573 | 0 | 0 | 704 | 0 | 214 | 717 | 0 | 133 | 1071 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 24.0 | 24.0 | | 30.0 | 30.0 | | 21.0 | 44.9 | | 21.1 | 45.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 19.5 | | | 25.5 | | 16.5 | 43.3 | | 13.7 | 40.5 | |
| Actuated g/C Ratio | | 0.16 | | | 0.21 | | 0.14 | 0.36 | | 0.11 | 0.34 | |
| v/c Ratio | | 0.94 | | | 0.95 | | 0.88 | 0.57 | | 0.66 | 0.91 | |
| Control Delay | | 68.0 | | | 69.5 | | 63.9 | 12.1 | | 49.3 | 34.5 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 68.0 | | | 69.5 | | 63.9 | 12.1 | | 49.3 | 34.5 | |
| LOS | | E | | | E | | E | B | | D | C | |
| Approach Delay | | 68.0 | | | 69.5 | | | 24.0 | | | 36.1 | |
| Approach LOS | | E | | | E | | | C | | | D | |
| Queue Length 50th (ft) | | 203 | | | 280 | | 173 | 176 | | 83 | 446 | |
| Queue Length 95th (ft) | | #316 | | | #403 | | #305 | 110 | | m137 | #552 | |
| Internal Link Dist (ft) | | 1489 | | | 1305 | | | 1802 | | | 1803 | |
| Turn Bay Length (ft) | | | | | | | 150 | | | 145 | | |
| Base Capacity (vph) | | 607 | | | 738 | | 243 | 1259 | | 244 | 1177 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.94 | | | 0.95 | | 0.88 | 0.57 | | 0.55 | 0.91 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 60 (50%), Referenced to phase 8:NBT, Start of Yellow
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.95
 Intersection Signal Delay: 45.0 Intersection LOS: D
 Intersection Capacity Utilization 87.9% ICU Level of Service E
 Analysis Period (min) 15
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 5: East Blvd & E Pasadena Blvd



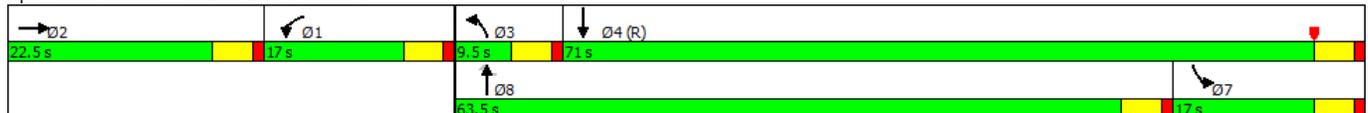


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|------|------|------|-------|------|------|------|------|------|-------|-------|------|
| Lane Configurations | | ↑ | | ↖ | | ↗ | ↖ | ↗ | ↕ | ↖ | ↗ | |
| Traffic Volume (vph) | 0 | 0 | 0 | 48 | 0 | 24 | 0 | 846 | 66 | 48 | 1077 | 0 |
| Future Volume (vph) | 0 | 0 | 0 | 48 | 0 | 24 | 0 | 846 | 66 | 48 | 1077 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 180 | | 0 | 175 | | 0 |
| Storage Lanes | 0 | | 0 | 1 | | 1 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 1863 | 0 | 1770 | 0 | 1583 | 1863 | 3500 | 0 | 1770 | 3539 | 0 |
| Flt Permitted | | | | 0.950 | | | | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 1863 | 0 | 1770 | 0 | 1583 | 1863 | 3500 | 0 | 1770 | 3539 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | | | | | 95 | | 9 | | | | |
| Link Speed (mph) | | 30 | | | 20 | | | 50 | | | 50 | |
| Link Distance (ft) | | 94 | | | 1176 | | | 2887 | | | 1882 | |
| Travel Time (s) | | 2.1 | | | 40.1 | | | 39.4 | | | 25.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 0 | 0 | 52 | 0 | 26 | 0 | 992 | 0 | 52 | 1171 | 0 |
| Turn Type | | | | Prot | | Perm | Prot | NA | | Prot | NA | |
| Protected Phases | | 2 | | 1 | | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | 8 | | | | | | |
| Total Split (s) | | 22.5 | | 17.0 | | 63.5 | 9.5 | 63.5 | | 17.0 | 71.0 | |
| Total Lost Time (s) | | 4.5 | | 4.5 | | 4.5 | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | | | 8.9 | | 91.4 | 4.5 | 91.4 | | 11.1 | 105.0 | |
| Actuated g/C Ratio | | | | 0.07 | | 0.76 | 0.02 | 0.76 | | 0.09 | 0.88 | |
| v/c Ratio | | | | 0.40 | | 0.02 | 0.37 | 0.37 | | 0.32 | 0.38 | |
| Control Delay | | | | 61.0 | | 0.0 | 5.5 | 5.5 | | 33.9 | 0.2 | |
| Queue Delay | | | | 0.0 | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | | | 61.0 | | 0.0 | 5.5 | 5.5 | | 33.9 | 0.2 | |
| LOS | | | | E | | A | A | A | | C | A | |
| Approach Delay | | | | | 40.7 | | | 5.5 | | | 1.6 | |
| Approach LOS | | | | | D | | | A | | | A | |
| Queue Length 50th (ft) | | | | 39 | | 0 | | 86 | | 38 | 2 | |
| Queue Length 95th (ft) | | | | 79 | | 0 | | 117 | | m38 | m2 | |
| Internal Link Dist (ft) | | 14 | | | 1096 | | | 2807 | | | 1802 | |
| Turn Bay Length (ft) | | | | | | | | | | 175 | | |
| Base Capacity (vph) | | | | 184 | | 1228 | | 2667 | | 184 | 3096 | |
| Starvation Cap Reductn | | | | 0 | | 0 | | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | | | 0 | | 0 | | 0 | | 0 | 0 | |
| Storage Cap Reductn | | | | 0 | | 0 | | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | | | 0.28 | | 0.02 | | 0.37 | | 0.28 | 0.38 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 70 (58%), Referenced to phase 4:SBT, Start of Yellow
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.40
 Intersection Signal Delay: 4.6 Intersection LOS: A
 Intersection Capacity Utilization 48.1% ICU Level of Service A
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 6: East Blvd & Aaron St



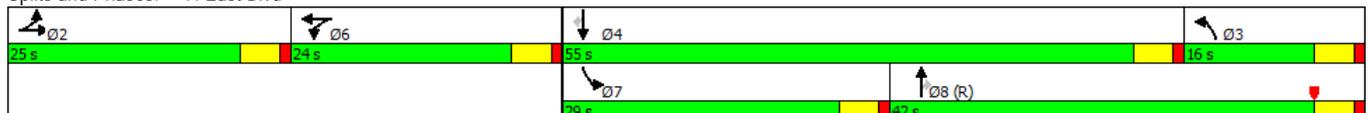


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
| Lane Configurations | ↖ | ↗ | | ↖ | ↗ | | ↖ | ↕ | ↗ | ↖ | ↕ | ↗ |
| Traffic Volume (vph) | 118 | 43 | 84 | 39 | 17 | 106 | 60 | 608 | 52 | 165 | 719 | 208 |
| Future Volume (vph) | 118 | 43 | 84 | 39 | 17 | 106 | 60 | 608 | 52 | 165 | 719 | 208 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 125 | | 75 | 110 | | 115 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 1770 | 1678 | 0 | 1770 | 1621 | 0 | 1770 | 3539 | 1583 | 1770 | 3539 | 1583 |
| Flt Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1770 | 1678 | 0 | 1770 | 1621 | 0 | 1770 | 3539 | 1583 | 1770 | 3539 | 1583 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 70 | | | 115 | | | | 95 | | | 159 |
| Link Speed (mph) | | 30 | | | 30 | | | 40 | | | 40 | |
| Link Distance (ft) | | 193 | | | 193 | | | 900 | | | 2887 | |
| Travel Time (s) | | 4.4 | | | 4.4 | | | 15.3 | | | 49.2 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 128 | 138 | 0 | 42 | 133 | 0 | 65 | 661 | 57 | 179 | 782 | 226 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | Perm | Prot | NA | Perm |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | 8 | | | 4 |
| Total Split (s) | 25.0 | 25.0 | | 24.0 | 24.0 | | 16.0 | 42.0 | 42.0 | 29.0 | 55.0 | 55.0 |
| Total Lost Time (s) | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Act Effct Green (s) | 14.0 | 14.0 | | 8.7 | 8.7 | | 10.4 | 62.0 | 62.0 | 17.4 | 71.1 | 71.1 |
| Actuated g/C Ratio | 0.12 | 0.12 | | 0.07 | 0.07 | | 0.09 | 0.52 | 0.52 | 0.14 | 0.59 | 0.59 |
| v/c Ratio | 0.62 | 0.54 | | 0.33 | 0.60 | | 0.42 | 0.36 | 0.07 | 0.70 | 0.37 | 0.23 |
| Control Delay | 63.1 | 32.4 | | 58.6 | 24.2 | | 48.3 | 10.0 | 0.8 | 75.8 | 5.9 | 1.5 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 63.1 | 32.4 | | 58.6 | 24.2 | | 48.3 | 10.0 | 0.8 | 75.8 | 5.9 | 1.5 |
| LOS | E | C | | E | C | | D | B | A | E | A | A |
| Approach Delay | | 47.2 | | | 32.5 | | | 12.5 | | | 15.6 | |
| Approach LOS | | D | | | C | | | B | | | B | |
| Queue Length 50th (ft) | 96 | 49 | | 32 | 13 | | 54 | 86 | 1 | 140 | 70 | 5 |
| Queue Length 95th (ft) | 154 | 110 | | 66 | 74 | | m78 | m215 | m3 | 199 | 110 | 16 |
| Internal Link Dist (ft) | | 113 | | | 113 | | | 820 | | | 2807 | |
| Turn Bay Length (ft) | | | | | | | 125 | | 75 | 110 | | 115 |
| Base Capacity (vph) | 302 | 344 | | 287 | 359 | | 169 | 1828 | 863 | 361 | 2095 | 1002 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.42 | 0.40 | | 0.15 | 0.37 | | 0.38 | 0.36 | 0.07 | 0.50 | 0.37 | 0.23 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 10 (8%), Referenced to phase 8:NBT, Start of Yellow
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.70
 Intersection Signal Delay: 19.3 Intersection LOS: B
 Intersection Capacity Utilization 54.9% ICU Level of Service A
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 7: East Blvd



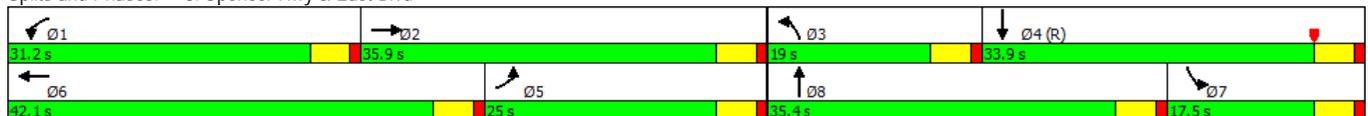


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
| Lane Configurations | ↘ | ↗ | ↘ | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ |
| Traffic Volume (vph) | 209 | 789 | 107 | 223 | 1184 | 144 | 141 | 440 | 79 | 199 | 471 | 189 |
| Future Volume (vph) | 209 | 789 | 107 | 223 | 1184 | 144 | 141 | 440 | 79 | 199 | 471 | 189 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 115 | | 0 | 100 | | 0 | 140 | | 0 | 155 | | 0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | 2 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 1770 | 4994 | 0 | 1770 | 5004 | 0 | 1770 | 3458 | 0 | 3433 | 3387 | 0 |
| Flt Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1770 | 4994 | 0 | 1770 | 5004 | 0 | 1770 | 3458 | 0 | 3433 | 3387 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 20 | | | 18 | | | 16 | | | 47 | |
| Link Speed (mph) | | 45 | | | 45 | | | 35 | | | 40 | |
| Link Distance (ft) | | 1366 | | | 1434 | | | 903 | | | 900 | |
| Travel Time (s) | | 20.7 | | | 21.7 | | | 17.6 | | | 15.3 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 227 | 974 | 0 | 242 | 1444 | 0 | 153 | 564 | 0 | 216 | 717 | 0 |
| Turn Type | Prot | NA | |
| Protected Phases | 5 | 2 | | 1 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 25.0 | 35.9 | | 31.2 | 42.1 | | 19.0 | 35.4 | | 17.5 | 33.9 | |
| Total Lost Time (s) | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | 20.5 | 37.0 | | 21.1 | 37.6 | | 13.5 | 24.8 | | 19.1 | 30.4 | |
| Actuated g/C Ratio | 0.17 | 0.31 | | 0.18 | 0.31 | | 0.11 | 0.21 | | 0.16 | 0.25 | |
| v/c Ratio | 0.75 | 0.63 | | 0.78 | 0.91 | | 0.77 | 0.78 | | 0.40 | 0.80 | |
| Control Delay | 63.9 | 37.8 | | 63.8 | 49.1 | | 76.8 | 51.1 | | 33.1 | 30.6 | |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | 63.9 | 37.8 | | 63.8 | 49.1 | | 76.8 | 51.1 | | 33.1 | 30.6 | |
| LOS | E | D | | E | D | | E | D | | C | C | |
| Approach Delay | | 42.7 | | | 51.2 | | | 56.6 | | | 31.2 | |
| Approach LOS | | D | | | D | | | E | | | C | |
| Queue Length 50th (ft) | 169 | 233 | | 180 | 389 | | 116 | 212 | | 63 | 204 | |
| Queue Length 95th (ft) | #283 | 301 | | 259 | #478 | | #211 | 260 | | 115 | 304 | |
| Internal Link Dist (ft) | | 1286 | | | 1354 | | | 823 | | | 820 | |
| Turn Bay Length (ft) | 115 | | | 100 | | | 140 | | | 155 | | |
| Base Capacity (vph) | 302 | 1551 | | 393 | 1580 | | 213 | 902 | | 546 | 893 | |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | 0.75 | 0.63 | | 0.62 | 0.91 | | 0.72 | 0.63 | | 0.40 | 0.80 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 0 (0%), Referenced to phase 4:SBT, Start of Yellow, Master Intersection
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.91
 Intersection Signal Delay: 45.7 Intersection LOS: D
 Intersection Capacity Utilization 79.5% ICU Level of Service D
 Analysis Period (min) 15
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 8: Spencer Hwy & East Blvd



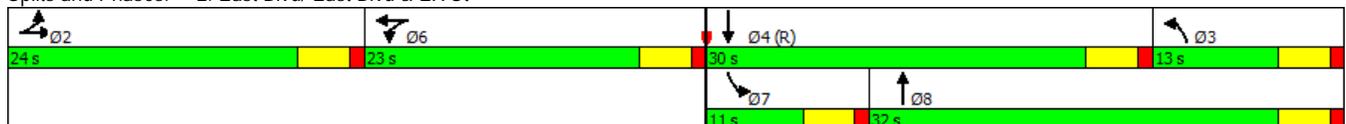


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 8 | 56 | 40 | 23 | 39 | 9 | 36 | 206 | 38 | 10 | 235 | 105 |
| Future Volume (vph) | 8 | 56 | 40 | 23 | 39 | 9 | 36 | 206 | 38 | 10 | 235 | 105 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 125 | | 0 | 125 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3324 | 0 | 0 | 3416 | 0 | 1770 | 3458 | 0 | 1770 | 3376 | 0 |
| Flt Permitted | | 0.996 | | | 0.984 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3324 | 0 | 0 | 3416 | 0 | 1770 | 3458 | 0 | 1770 | 3376 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 43 | | | 10 | | | 24 | | | 80 | |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | 40 | |
| Link Distance (ft) | | 1287 | | | 1741 | | | 1887 | | | 1987 | |
| Travel Time (s) | | 21.9 | | | 29.7 | | | 25.7 | | | 33.9 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 113 | 0 | 0 | 77 | 0 | 39 | 265 | 0 | 11 | 369 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 24.0 | 24.0 | | 23.0 | 23.0 | | 13.0 | 32.0 | | 11.0 | 30.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 7.4 | | | 7.2 | | 7.2 | 64.4 | | 6.2 | 59.2 | |
| Actuated g/C Ratio | | 0.08 | | | 0.08 | | 0.08 | 0.72 | | 0.07 | 0.66 | |
| v/c Ratio | | 0.36 | | | 0.27 | | 0.27 | 0.11 | | 0.09 | 0.16 | |
| Control Delay | | 28.0 | | | 36.2 | | 29.9 | 1.9 | | 30.0 | 5.4 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 28.0 | | | 36.2 | | 29.9 | 1.9 | | 30.0 | 5.4 | |
| LOS | | C | | | D | | C | A | | C | A | |
| Approach Delay | | 28.0 | | | 36.2 | | | 5.5 | | | 6.1 | |
| Approach LOS | | C | | | D | | | A | | | A | |
| Queue Length 50th (ft) | | 20 | | | 18 | | 22 | 7 | | 4 | 17 | |
| Queue Length 95th (ft) | | 45 | | | 40 | | 54 | 15 | | 18 | 98 | |
| Internal Link Dist (ft) | | 1207 | | | 1661 | | | 1807 | | | 1907 | |
| Turn Bay Length (ft) | | | | | | | 125 | | | 125 | | |
| Base Capacity (vph) | | 753 | | | 710 | | 167 | 2482 | | 130 | 2249 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.15 | | | 0.11 | | 0.23 | 0.11 | | 0.08 | 0.16 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 43 (48%), Referenced to phase 4:SBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.36
 Intersection Signal Delay: 11.4 Intersection LOS: B
 Intersection Capacity Utilization 33.2% ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 2: East Blvd/ East Blvd & EX St



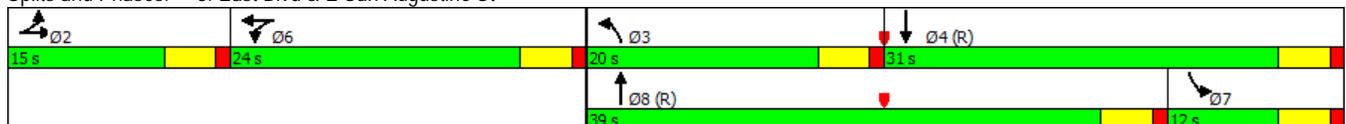


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 39 | 9 | 89 | 18 | 17 | 13 | 75 | 250 | 14 | 7 | 247 | 32 |
| Future Volume (vph) | 39 | 9 | 89 | 18 | 17 | 13 | 75 | 250 | 14 | 7 | 247 | 32 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 180 | | 0 | 180 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3148 | 0 | 0 | 3333 | 0 | 1770 | 3511 | 0 | 1770 | 3479 | 0 |
| Flt Permitted | | 0.986 | | | 0.981 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3148 | 0 | 0 | 3333 | 0 | 1770 | 3511 | 0 | 1770 | 3479 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 97 | | | 14 | | | 7 | | | | 16 |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | | 50 |
| Link Distance (ft) | | 1505 | | | 1283 | | | 1889 | | | | 1887 |
| Travel Time (s) | | 25.7 | | | 21.9 | | | 25.8 | | | | 25.7 |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 149 | 0 | 0 | 52 | 0 | 82 | 287 | 0 | 8 | 303 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 15.0 | 15.0 | | 24.0 | 24.0 | | 20.0 | 39.0 | | 12.0 | 31.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 7.2 | | | 22.8 | | 9.5 | 44.1 | | 6.1 | 34.6 | |
| Actuated g/C Ratio | | 0.08 | | | 0.25 | | 0.11 | 0.49 | | 0.07 | 0.38 | |
| v/c Ratio | | 0.44 | | | 0.06 | | 0.44 | 0.17 | | 0.07 | 0.23 | |
| Control Delay | | 19.7 | | | 21.2 | | 27.3 | 5.1 | | 26.0 | 9.6 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 19.7 | | | 21.2 | | 27.3 | 5.1 | | 26.0 | 9.6 | |
| LOS | | B | | | C | | C | A | | C | A | |
| Approach Delay | | 19.7 | | | 21.2 | | | 10.0 | | | 10.0 | |
| Approach LOS | | B | | | C | | | B | | | A | |
| Queue Length 50th (ft) | | 14 | | | 8 | | 26 | 23 | | 4 | 34 | |
| Queue Length 95th (ft) | | 43 | | | 24 | | 43 | 12 | | 18 | 48 | |
| Internal Link Dist (ft) | | 1425 | | | 1203 | | | 1809 | | | 1807 | |
| Turn Bay Length (ft) | | | | | | | 180 | | | 180 | | |
| Base Capacity (vph) | | 452 | | | 853 | | 304 | 1724 | | 147 | 1346 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.33 | | | 0.06 | | 0.27 | 0.17 | | 0.05 | 0.23 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 44 (49%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.44
 Intersection Signal Delay: 12.3 Intersection LOS: B
 Intersection Capacity Utilization 32.1% ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 3: East Blvd & E San Augustine St



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 55 | 19 | 41 | 21 | 10 | 42 | 10 | 324 | 32 | 69 | 330 | 132 |
| Future Volume (vph) | 55 | 19 | 41 | 21 | 10 | 42 | 10 | 324 | 32 | 69 | 330 | 132 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 125 | | 75 | 110 | | 115 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 1770 | 1673 | 0 | 1770 | 1637 | 0 | 1770 | 3539 | 1583 | 1770 | 3539 | 1583 |
| Flt Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1770 | 1673 | 0 | 1770 | 1637 | 0 | 1770 | 3539 | 1583 | 1770 | 3539 | 1583 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 45 | | | 46 | | | | 182 | | | 143 |
| Link Speed (mph) | | 30 | | | 30 | | | 40 | | | 40 | |
| Link Distance (ft) | | 193 | | | 193 | | | 900 | | | 2888 | |
| Travel Time (s) | | 4.4 | | | 4.4 | | | 15.3 | | | 49.2 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 60 | 66 | 0 | 23 | 57 | 0 | 11 | 352 | 35 | 75 | 359 | 143 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | Perm | Prot | NA | Perm |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | 8 | | | 4 |
| Total Split (s) | 24.0 | 24.0 | | 23.0 | 23.0 | | 10.0 | 27.0 | 27.0 | 16.0 | 33.0 | 33.0 |
| Total Lost Time (s) | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Act Effct Green (s) | 19.5 | 19.5 | | 6.9 | 6.9 | | 6.2 | 40.5 | 40.5 | 9.1 | 49.7 | 49.7 |
| Actuated g/C Ratio | 0.22 | 0.22 | | 0.08 | 0.08 | | 0.07 | 0.45 | 0.45 | 0.10 | 0.55 | 0.55 |
| v/c Ratio | 0.16 | 0.17 | | 0.17 | 0.34 | | 0.09 | 0.22 | 0.04 | 0.42 | 0.18 | 0.15 |
| Control Delay | 29.9 | 14.5 | | 40.9 | 21.1 | | 40.3 | 11.9 | 1.1 | 66.6 | 4.6 | 0.5 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 29.9 | 14.5 | | 40.9 | 21.1 | | 40.3 | 11.9 | 1.1 | 66.6 | 4.6 | 0.5 |
| LOS | C | B | | D | C | | D | B | A | E | A | A |
| Approach Delay | | 21.9 | | | 26.8 | | | 11.7 | | | 11.7 | |
| Approach LOS | | C | | | C | | | B | | | B | |
| Queue Length 50th (ft) | 28 | 10 | | 13 | 6 | | 6 | 69 | 0 | 47 | 20 | 0 |
| Queue Length 95th (ft) | 61 | 43 | | 36 | 41 | | m16 | 107 | m3 | 93 | 28 | 1 |
| Internal Link Dist (ft) | | 113 | | | 113 | | | 820 | | | 2808 | |
| Turn Bay Length (ft) | | | | | | | 125 | | 75 | 110 | | 115 |
| Base Capacity (vph) | 383 | 397 | | 363 | 373 | | 121 | 1591 | 811 | 230 | 1954 | 938 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.16 | 0.17 | | 0.06 | 0.15 | | 0.09 | 0.22 | 0.04 | 0.33 | 0.18 | 0.15 |

Intersection Summary

Area Type: Other

Cycle Length: 90

Actuated Cycle Length: 90

Offset: 89 (99%), Referenced to phase 4:SBT and 8:NBT, Start of Green

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.42

Intersection Signal Delay: 13.8

Intersection LOS: B

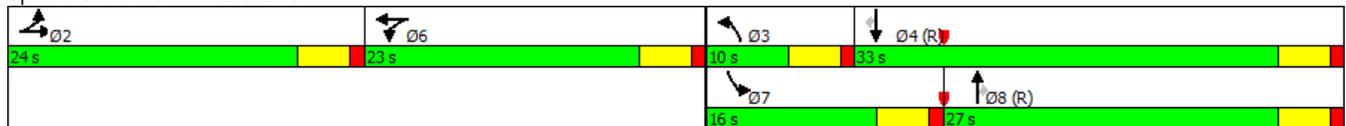
Intersection Capacity Utilization 34.3%

ICU Level of Service A

Analysis Period (min) 15

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 7: East Blvd



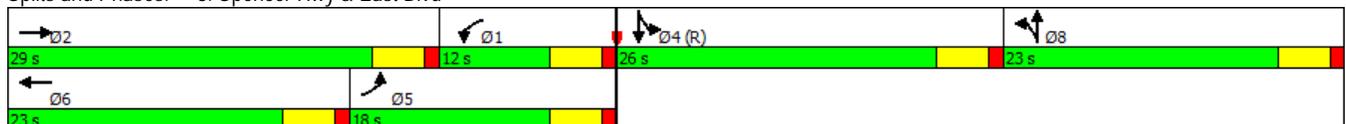


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
| Lane Configurations | ↖ | ↑↑↑ | | ↖ | ↑↑↑ | | ↖ | ↑↑ | | ↖↖ | ↑↑ | |
| Traffic Volume (vph) | 109 | 378 | 55 | 53 | 448 | 110 | 85 | 196 | 53 | 127 | 214 | 119 |
| Future Volume (vph) | 109 | 378 | 55 | 53 | 448 | 110 | 85 | 196 | 53 | 127 | 214 | 119 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 115 | | 0 | 100 | | 0 | 140 | | 0 | 155 | | 0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | 2 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 1770 | 4989 | 0 | 1770 | 4933 | 0 | 1770 | 3426 | 0 | 3433 | 3352 | 0 |
| Flt Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1770 | 4989 | 0 | 1770 | 4933 | 0 | 1770 | 3426 | 0 | 3433 | 3352 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 29 | | | 59 | | | 34 | | | 109 | |
| Link Speed (mph) | | 45 | | | 45 | | | 35 | | | 40 | |
| Link Distance (ft) | | 1366 | | | 1434 | | | 903 | | | 900 | |
| Travel Time (s) | | 20.7 | | | 21.7 | | | 17.6 | | | 15.3 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 118 | 471 | 0 | 58 | 607 | 0 | 92 | 271 | 0 | 138 | 362 | 0 |
| Turn Type | Prot | NA | | Prot | NA | | Split | NA | | Split | NA | |
| Protected Phases | 5 | 2 | | 1 | 6 | | 8 | 8 | | 4 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 18.0 | 29.0 | | 12.0 | 23.0 | | 23.0 | 23.0 | | 26.0 | 26.0 | |
| Total Lost Time (s) | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | 20.7 | 31.2 | | 7.0 | 15.6 | | 11.8 | 11.8 | | 24.0 | 24.0 | |
| Actuated g/C Ratio | 0.23 | 0.35 | | 0.08 | 0.17 | | 0.13 | 0.13 | | 0.27 | 0.27 | |
| v/c Ratio | 0.29 | 0.27 | | 0.42 | 0.67 | | 0.40 | 0.57 | | 0.15 | 0.37 | |
| Control Delay | 32.3 | 20.9 | | 49.0 | 34.8 | | 40.2 | 36.3 | | 15.0 | 9.6 | |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | 32.3 | 20.9 | | 49.0 | 34.8 | | 40.2 | 36.3 | | 15.0 | 9.6 | |
| LOS | C | C | | D | C | | D | D | | B | A | |
| Approach Delay | | 23.1 | | | 36.0 | | | 37.3 | | | 11.1 | |
| Approach LOS | | C | | | D | | | D | | | B | |
| Queue Length 50th (ft) | 54 | 64 | | 32 | 106 | | 49 | 67 | | 26 | 57 | |
| Queue Length 95th (ft) | 114 | 98 | | 70 | 136 | | 91 | 101 | | 44 | 87 | |
| Internal Link Dist (ft) | | 1286 | | | 1354 | | | 823 | | | 820 | |
| Turn Bay Length (ft) | 115 | | | 100 | | | 140 | | | 155 | | |
| Base Capacity (vph) | 406 | 1750 | | 147 | 1081 | | 363 | 731 | | 914 | 973 | |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | 0.29 | 0.27 | | 0.39 | 0.56 | | 0.25 | 0.37 | | 0.15 | 0.37 | |

Intersection Summary

Area Type: Other
 Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 11 (12%), Referenced to phase 4:SBTL, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.67
 Intersection Signal Delay: 26.8
 Intersection LOS: C
 Intersection Capacity Utilization 46.6%
 ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 8: Spencer Hwy & East Blvd



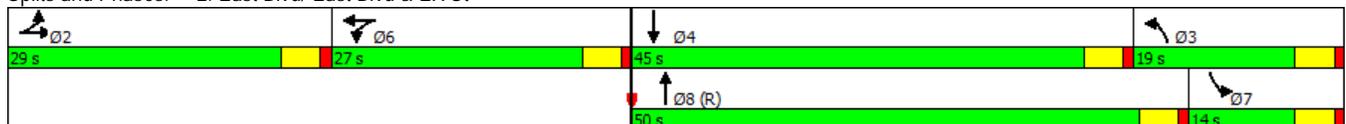


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 8 | 56 | 40 | 23 | 39 | 9 | 36 | 206 | 38 | 10 | 235 | 105 |
| Future Volume (vph) | 8 | 56 | 40 | 23 | 39 | 9 | 36 | 206 | 38 | 10 | 235 | 105 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 125 | | 0 | 125 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3324 | 0 | 0 | 3416 | 0 | 1770 | 3458 | 0 | 1770 | 3376 | 0 |
| Flt Permitted | | 0.996 | | | 0.984 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3324 | 0 | 0 | 3416 | 0 | 1770 | 3458 | 0 | 1770 | 3376 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 43 | | | 10 | | | 20 | | | 65 | |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | 40 | |
| Link Distance (ft) | | 1287 | | | 1741 | | | 1887 | | | 1987 | |
| Travel Time (s) | | 21.9 | | | 29.7 | | | 25.7 | | | 33.9 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 113 | 0 | 0 | 77 | 0 | 39 | 265 | 0 | 11 | 369 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 29.0 | 29.0 | | 27.0 | 27.0 | | 19.0 | 50.0 | | 14.0 | 45.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 8.0 | | | 7.8 | | 21.1 | 90.3 | | 6.3 | 71.4 | |
| Actuated g/C Ratio | | 0.07 | | | 0.06 | | 0.18 | 0.75 | | 0.05 | 0.60 | |
| v/c Ratio | | 0.43 | | | 0.33 | | 0.13 | 0.10 | | 0.12 | 0.18 | |
| Control Delay | | 38.3 | | | 50.1 | | 42.8 | 4.5 | | 54.5 | 18.9 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 38.3 | | | 50.1 | | 42.8 | 4.5 | | 54.5 | 18.9 | |
| LOS | | D | | | D | | D | A | | D | B | |
| Approach Delay | | 38.3 | | | 50.1 | | | 9.4 | | | 19.9 | |
| Approach LOS | | D | | | D | | | A | | | B | |
| Queue Length 50th (ft) | | 27 | | | 26 | | 27 | 12 | | 9 | 84 | |
| Queue Length 95th (ft) | | 57 | | | 51 | | 51 | 86 | | 28 | 139 | |
| Internal Link Dist (ft) | | 1207 | | | 1661 | | | 1807 | | | 1907 | |
| Turn Bay Length (ft) | | | | | | | 125 | | | 125 | | |
| Base Capacity (vph) | | 712 | | | 648 | | 360 | 2607 | | 140 | 2033 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.16 | | | 0.12 | | 0.11 | 0.10 | | 0.08 | 0.18 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 96 (80%), Referenced to phase 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.43
 Intersection Signal Delay: 21.3 Intersection LOS: C
 Intersection Capacity Utilization 33.2% ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 2: East Blvd/ East Blvd & EX St



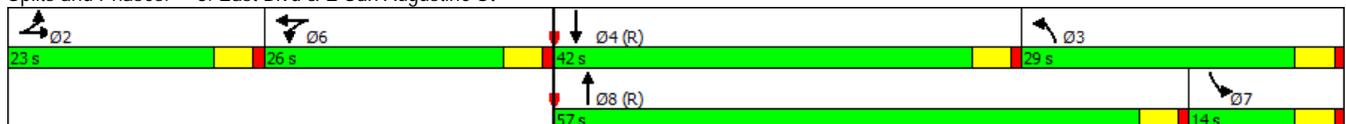


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↕↕ | | | ↕↕ | | ↕ | ↕↕ | | ↕ | ↕↕ | |
| Traffic Volume (vph) | 39 | 9 | 89 | 18 | 17 | 13 | 75 | 250 | 14 | 7 | 247 | 32 |
| Future Volume (vph) | 39 | 9 | 89 | 18 | 17 | 13 | 75 | 250 | 14 | 7 | 247 | 32 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 180 | | 0 | 180 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3148 | 0 | 0 | 3333 | 0 | 1770 | 3511 | 0 | 1770 | 3479 | 0 |
| Flt Permitted | | 0.986 | | | 0.981 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3148 | 0 | 0 | 3333 | 0 | 1770 | 3511 | 0 | 1770 | 3479 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 97 | | | 14 | | | 6 | | | | 12 |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | | 50 |
| Link Distance (ft) | | 1505 | | | 1283 | | | 1889 | | | | 1887 |
| Travel Time (s) | | 25.7 | | | 21.9 | | | 25.8 | | | | 25.7 |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 149 | 0 | 0 | 52 | 0 | 82 | 287 | 0 | 8 | 303 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 23.0 | 23.0 | | 26.0 | 26.0 | | 29.0 | 57.0 | | 14.0 | 42.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 7.7 | | | 6.9 | | 12.6 | 91.5 | | 6.2 | 79.0 | |
| Actuated g/C Ratio | | 0.06 | | | 0.06 | | 0.10 | 0.76 | | 0.05 | 0.66 | |
| v/c Ratio | | 0.51 | | | 0.25 | | 0.44 | 0.11 | | 0.09 | 0.13 | |
| Control Delay | | 27.0 | | | 44.8 | | 41.7 | 3.2 | | 76.3 | 5.3 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 27.0 | | | 44.8 | | 41.7 | 3.2 | | 76.3 | 5.3 | |
| LOS | | C | | | D | | D | A | | E | A | |
| Approach Delay | | 27.0 | | | 44.8 | | | 11.8 | | | 7.2 | |
| Approach LOS | | C | | | D | | | B | | | A | |
| Queue Length 50th (ft) | | 20 | | | 15 | | 63 | 16 | | 6 | 26 | |
| Queue Length 95th (ft) | | 53 | | | 35 | | 79 | 36 | | 25 | 41 | |
| Internal Link Dist (ft) | | 1425 | | | 1203 | | | 1809 | | | 1807 | |
| Turn Bay Length (ft) | | | | | | | 180 | | | 180 | | |
| Base Capacity (vph) | | 567 | | | 608 | | 361 | 2679 | | 140 | 2295 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.26 | | | 0.09 | | 0.23 | 0.11 | | 0.06 | 0.13 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 116 (97%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.51
 Intersection Signal Delay: 14.7 Intersection LOS: B
 Intersection Capacity Utilization 32.1% ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 3: East Blvd & E San Augustine St



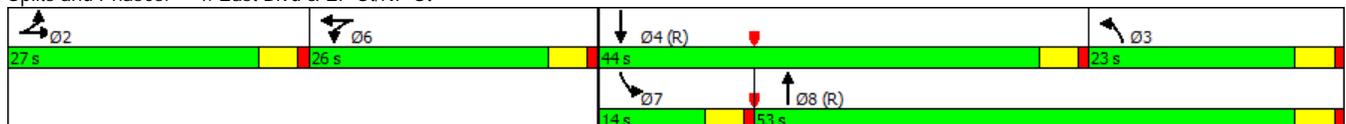


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↔ | | | ↔ | | ↔ | ↔ | | ↔ | ↔ | |
| Traffic Volume (vph) | 21 | 5 | 43 | 36 | 10 | 13 | 41 | 308 | 26 | 8 | 329 | 13 |
| Future Volume (vph) | 21 | 5 | 43 | 36 | 10 | 13 | 41 | 308 | 26 | 8 | 329 | 13 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 175 | | 0 | 175 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3158 | 0 | 0 | 3320 | 0 | 1770 | 3497 | 0 | 1770 | 3518 | 0 |
| Flt Permitted | | 0.985 | | | 0.970 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3158 | 0 | 0 | 3320 | 0 | 1770 | 3497 | 0 | 1770 | 3518 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 47 | | | 14 | | | 9 | | | 3 | |
| Link Speed (mph) | | 40 | | | 40 | | | 50 | | | 50 | |
| Link Distance (ft) | | 1773 | | | 1725 | | | 1883 | | | 1889 | |
| Travel Time (s) | | 30.2 | | | 29.4 | | | 25.7 | | | 25.8 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 75 | 0 | 0 | 64 | 0 | 45 | 363 | 0 | 9 | 372 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 27.0 | 27.0 | | 26.0 | 26.0 | | 23.0 | 53.0 | | 14.0 | 44.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 6.8 | | | 7.3 | | 15.9 | 95.0 | | 6.2 | 79.0 | |
| Actuated g/C Ratio | | 0.06 | | | 0.06 | | 0.13 | 0.79 | | 0.05 | 0.66 | |
| v/c Ratio | | 0.34 | | | 0.30 | | 0.19 | 0.13 | | 0.10 | 0.16 | |
| Control Delay | | 28.7 | | | 46.2 | | 37.0 | 1.1 | | 76.2 | 3.9 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 28.7 | | | 46.2 | | 37.0 | 1.1 | | 76.2 | 3.9 | |
| LOS | | C | | | D | | D | A | | E | A | |
| Approach Delay | | 28.7 | | | 46.2 | | | 5.1 | | | 5.6 | |
| Approach LOS | | C | | | D | | | A | | | A | |
| Queue Length 50th (ft) | | 11 | | | 20 | | 32 | 2 | | 7 | 32 | |
| Queue Length 95th (ft) | | 35 | | | 42 | | 69 | 25 | | 22 | 15 | |
| Internal Link Dist (ft) | | 1693 | | | 1645 | | | 1803 | | | 1809 | |
| Turn Bay Length (ft) | | | | | | | 175 | | | 175 | | |
| Base Capacity (vph) | | 630 | | | 606 | | 272 | 2770 | | 140 | 2316 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.12 | | | 0.11 | | 0.17 | 0.13 | | 0.06 | 0.16 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 13 (11%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.34
 Intersection Signal Delay: 10.1 Intersection LOS: B
 Intersection Capacity Utilization 33.6% ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 4: East Blvd & EP St/NP St



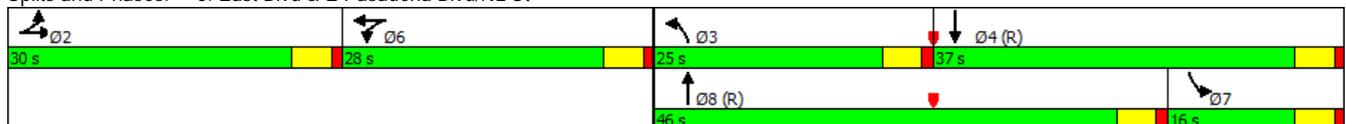


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|------|------|-------|------|------|
| Lane Configurations | | ↔ | | | ↔ | | ↔ | ↔ | | ↔ | ↔ | |
| Traffic Volume (vph) | 46 | 100 | 136 | 43 | 117 | 41 | 94 | 291 | 49 | 40 | 328 | 33 |
| Future Volume (vph) | 46 | 100 | 136 | 43 | 117 | 41 | 94 | 291 | 49 | 40 | 328 | 33 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (ft) | 0 | | 0 | 0 | | 0 | 150 | | 0 | 145 | | 0 |
| Storage Lanes | 0 | | 0 | 0 | | 0 | 1 | | 0 | 1 | | 0 |
| Taper Length (ft) | 25 | | | 25 | | | 25 | | | 25 | | |
| Satd. Flow (prot) | 0 | 3258 | 0 | 0 | 3392 | 0 | 1770 | 3461 | 0 | 1770 | 3490 | 0 |
| Flt Permitted | | 0.992 | | | 0.989 | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 0 | 3258 | 0 | 0 | 3392 | 0 | 1770 | 3461 | 0 | 1770 | 3490 | 0 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 148 | | | 24 | | | 17 | | | 9 | |
| Link Speed (mph) | | 45 | | | 45 | | | 50 | | | 50 | |
| Link Distance (ft) | | 1569 | | | 1385 | | | 1882 | | | 1883 | |
| Travel Time (s) | | 23.8 | | | 21.0 | | | 25.7 | | | 25.7 | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 307 | 0 | 0 | 219 | 0 | 102 | 369 | 0 | 43 | 393 | 0 |
| Turn Type | Split | NA | | Split | NA | | Prot | NA | | Prot | NA | |
| Protected Phases | 2 | 2 | | 6 | 6 | | 3 | 8 | | 7 | 4 | |
| Permitted Phases | | | | | | | | | | | | |
| Total Split (s) | 30.0 | 30.0 | | 28.0 | 28.0 | | 25.0 | 46.0 | | 16.0 | 37.0 | |
| Total Lost Time (s) | | 4.5 | | | 4.5 | | 4.5 | 4.5 | | 4.5 | 4.5 | |
| Act Effct Green (s) | | 11.5 | | | 12.3 | | 12.2 | 69.9 | | 10.3 | 66.0 | |
| Actuated g/C Ratio | | 0.10 | | | 0.10 | | 0.10 | 0.58 | | 0.09 | 0.55 | |
| v/c Ratio | | 0.69 | | | 0.60 | | 0.57 | 0.18 | | 0.28 | 0.20 | |
| Control Delay | | 34.8 | | | 52.2 | | 57.2 | 4.7 | | 41.0 | 5.3 | |
| Queue Delay | | 0.0 | | | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Total Delay | | 34.8 | | | 52.2 | | 57.2 | 4.7 | | 41.0 | 5.3 | |
| LOS | | C | | | D | | E | A | | D | A | |
| Approach Delay | | 34.8 | | | 52.2 | | | 16.1 | | | 8.8 | |
| Approach LOS | | C | | | D | | | B | | | A | |
| Queue Length 50th (ft) | | 62 | | | 76 | | 59 | 32 | | 34 | 26 | |
| Queue Length 95th (ft) | | 107 | | | 115 | | 96 | 50 | | 71 | 42 | |
| Internal Link Dist (ft) | | 1489 | | | 1305 | | | 1802 | | | 1803 | |
| Turn Bay Length (ft) | | | | | | | 150 | | | 145 | | |
| Base Capacity (vph) | | 808 | | | 683 | | 302 | 2023 | | 169 | 1923 | |
| Starvation Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Spillback Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Storage Cap Reductn | | 0 | | | 0 | | 0 | 0 | | 0 | 0 | |
| Reduced v/c Ratio | | 0.38 | | | 0.32 | | 0.34 | 0.18 | | 0.25 | 0.20 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 22 (18%), Referenced to phase 4:SBT and 8:NBT, Start of Green
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.69
 Intersection Signal Delay: 23.4 Intersection LOS: C
 Intersection Capacity Utilization 44.6% ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 5: East Blvd & E Pasadena Blvd/NL St



Appendix D: Time-Space Diagrams

Time-Space Diagram 120 PM

