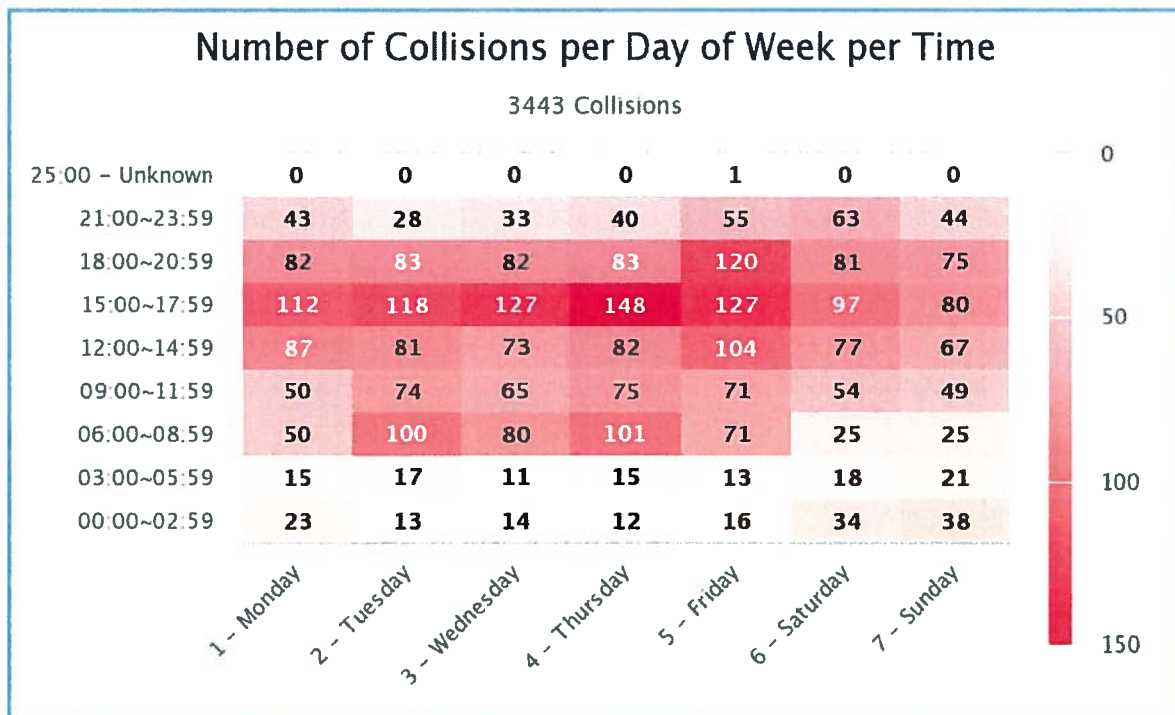
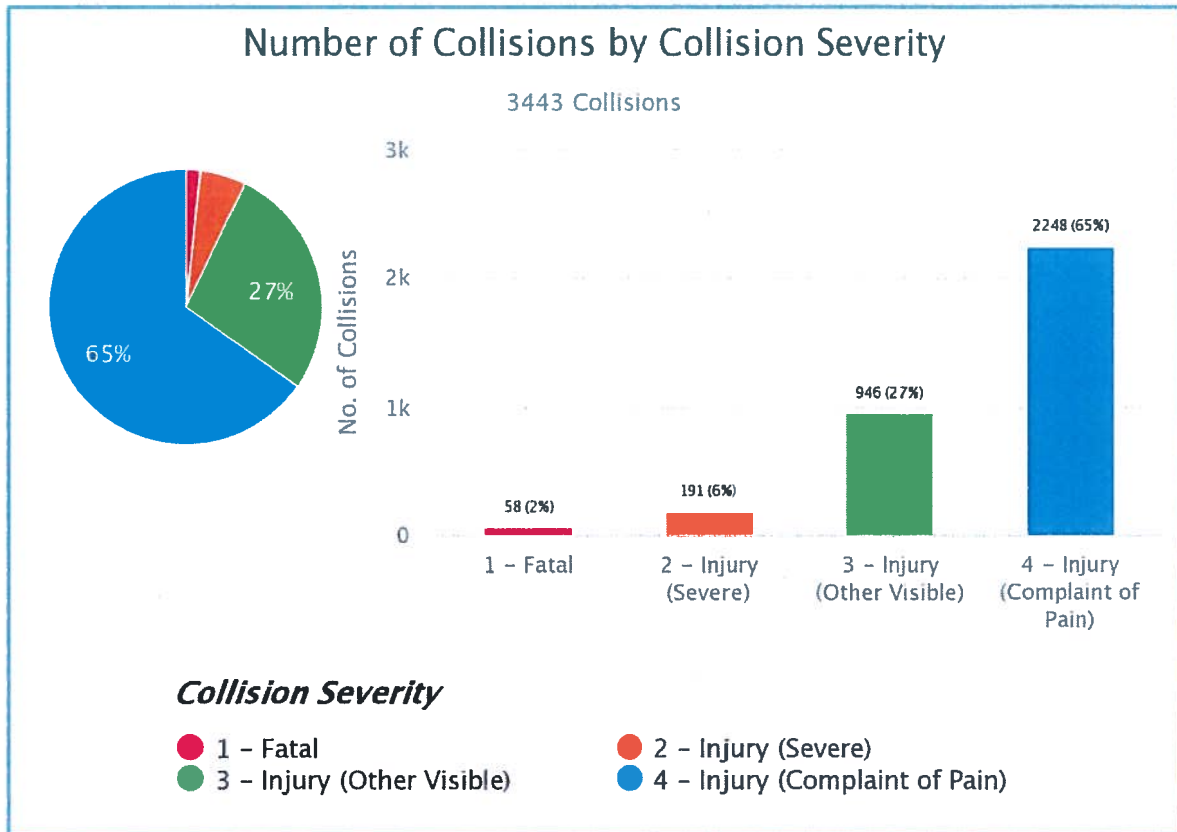
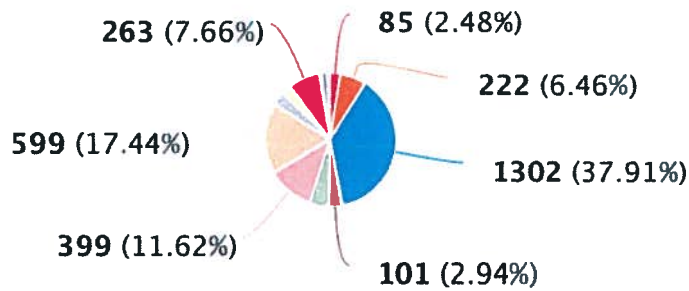


TIMS SWITRS Query – Garden Grove Jan 1, 2016 – Dec 31, 2020 (ALL DATA)



Number of Collisions by PCF Violation

3434 Collisions

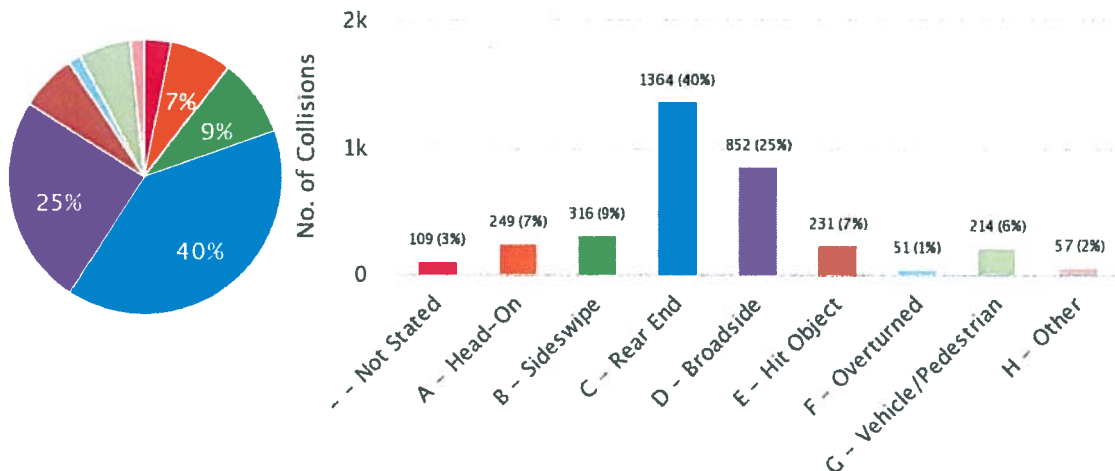


PCF Violation

- 00 - Unknown
 - 01 - Driving or Bicycling Under the Influence of Alcohol or Drug
 - 02 - Impeding Traffic
 - 03 - Unsafe Speed
 - 04 - Following Too Closely
 - 05 - Wrong Side of Road
 - 06 - Improper Passing
 - 07 - Unsafe Lane Change
 - 08 - Improper Turning
 - 09 - Automobile Right of Way
 - 10 - Pedestrian Right of Way
 - 11 - Pedestrian Violation
 - 12 - Traffic Signals and Signs
- ▲ 1/2 ▼

Number of Collisions by Type of Collision

3443 Collisions

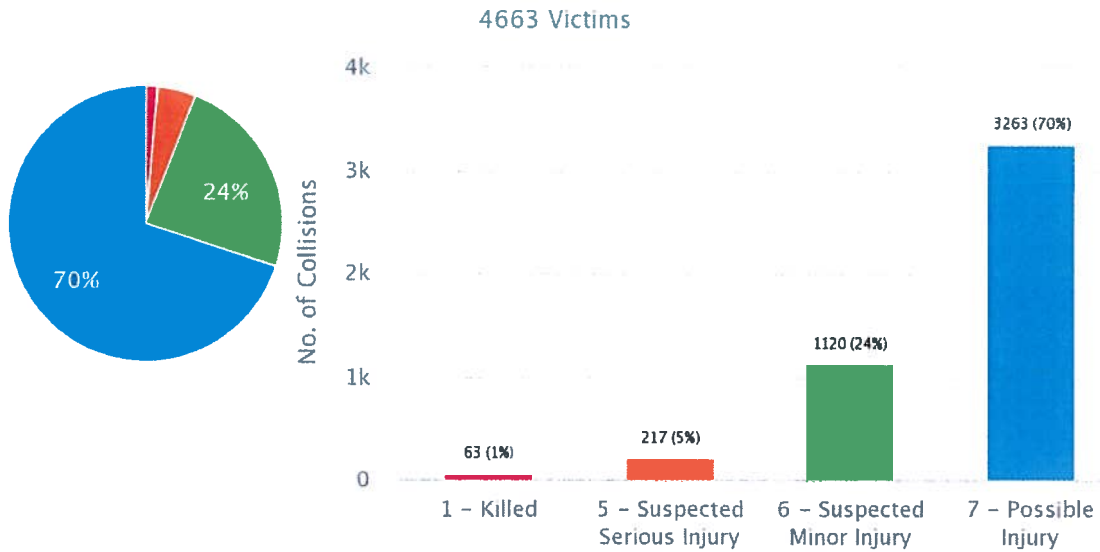


Type of Collision

- -- Not Stated
- A - Head-On
- B - Sideswipe
- C - Rear End
- D - Broadside
- E - Hit Object
- F - Overturned
- G - Vehicle/Pedestrian
- H - Other

CTIM SUMMARY

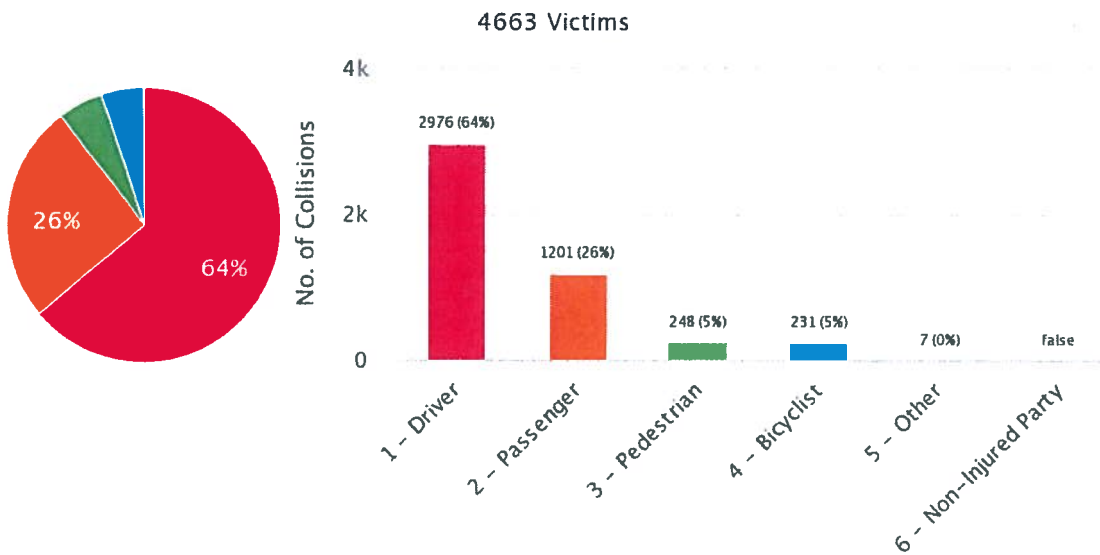
Number of Victims by Victim Degree of Injury



Victim Degree of Injury



Number of Victims by Victim Role

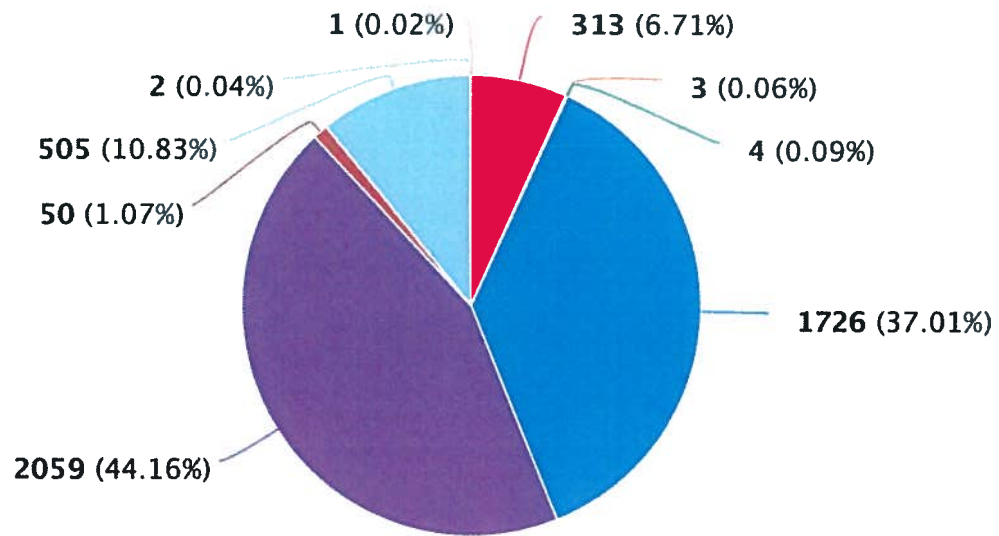


Victim Role



Number of Victims by Victim Safety Equipment 1

4663 Victims

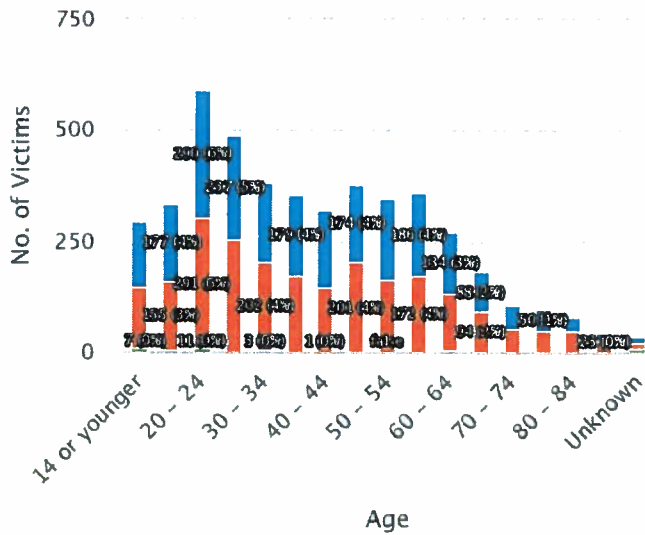
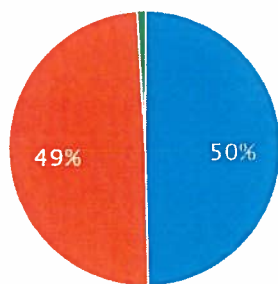


Victim Safety Equipment 1

- - or blank - Not Stated
- B - Unknown
- G - Lap/Shoulder Harness Used
- L - Air Bag Deployed
- M - Air Bag Not Deployed
- N - Other
- P - Not Required
- V - Driver, Motorcycle Helmet Not Used
- W - Driver, Motorcycle Helmet Used

Number of Victims by Victim Gender and Age

4662 Victims

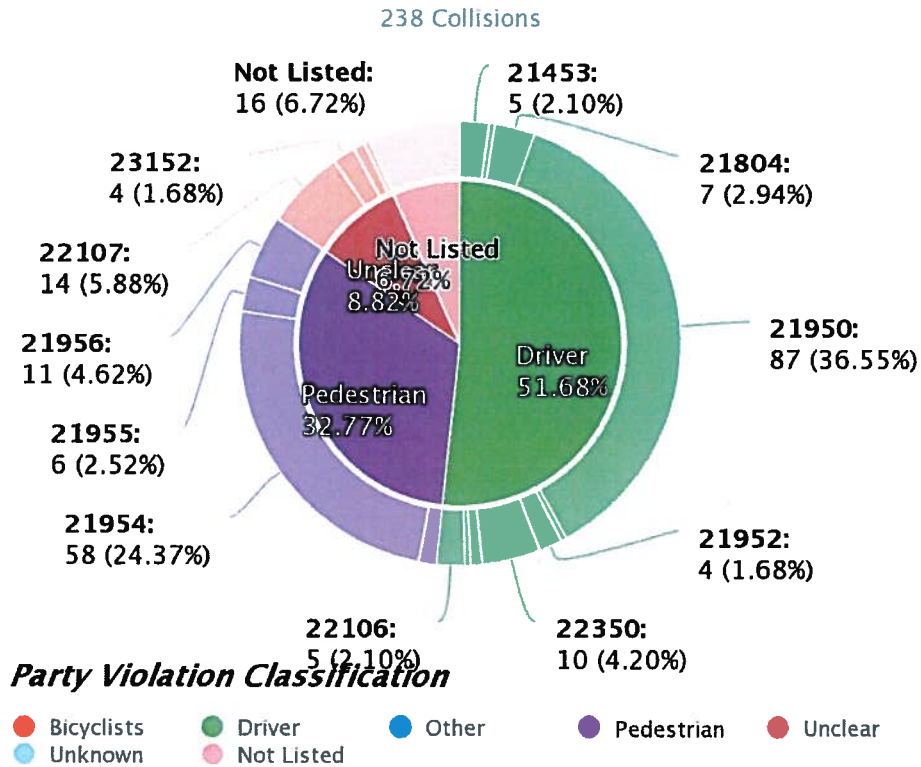


Victim Gender

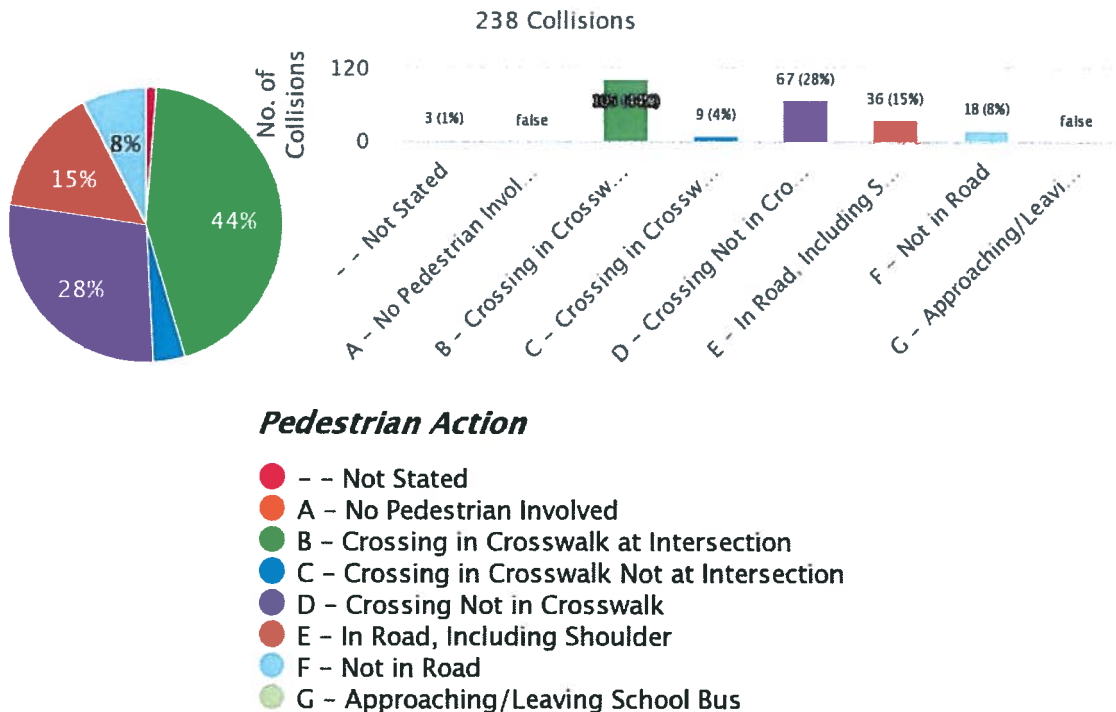
- Male
- Female
- Not Stated

PEDESTRIAN COLLISION SUMMARY

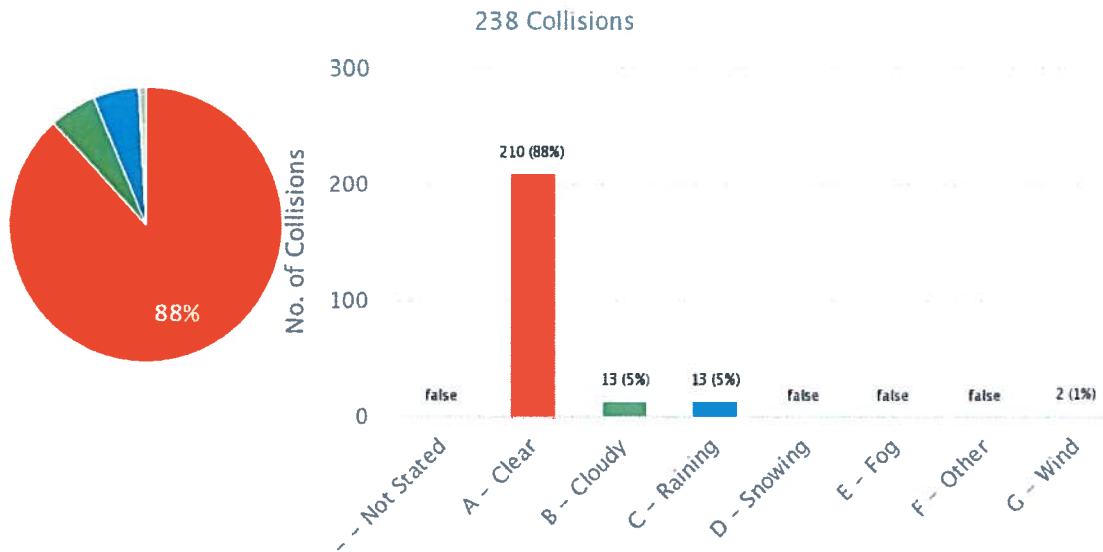
Number of Collisions by Type of Violation



Number of Collisions by Pedestrian Action



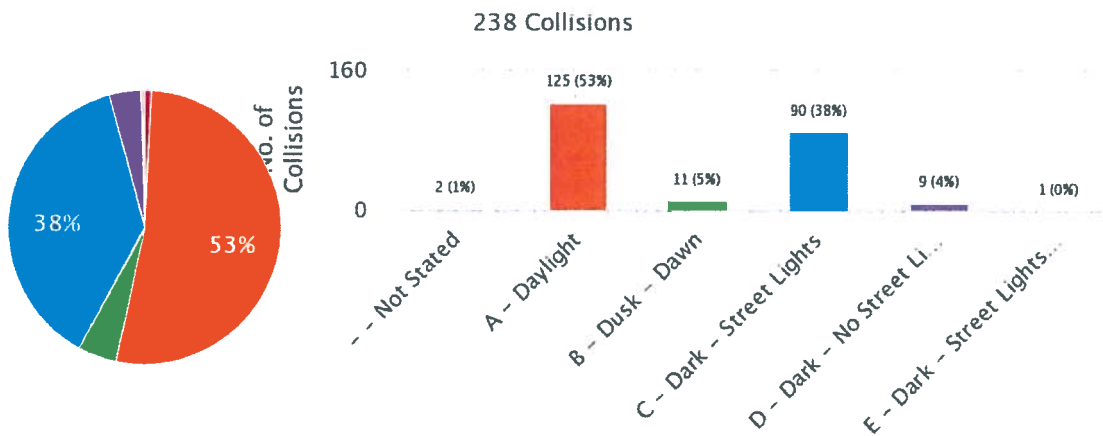
Number of Collisions by Weather



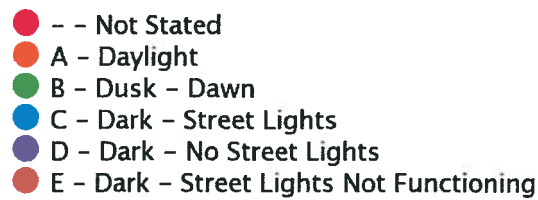
Weather



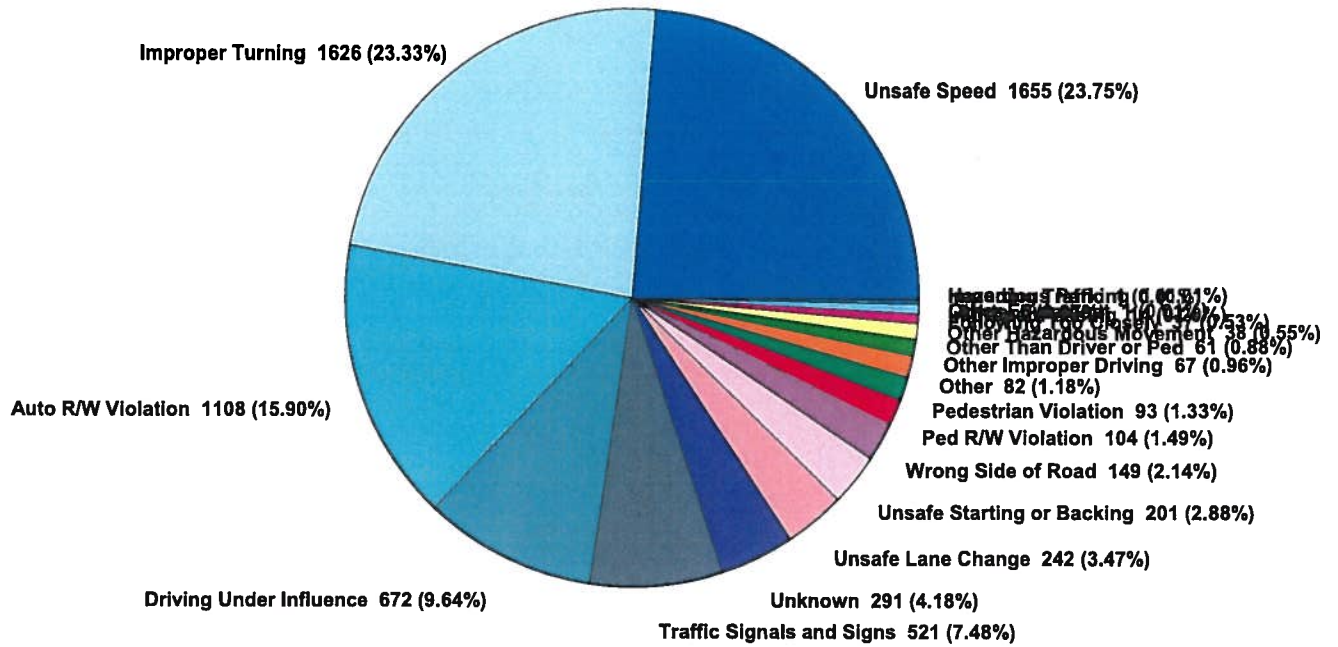
Number of Collisions by Lighting



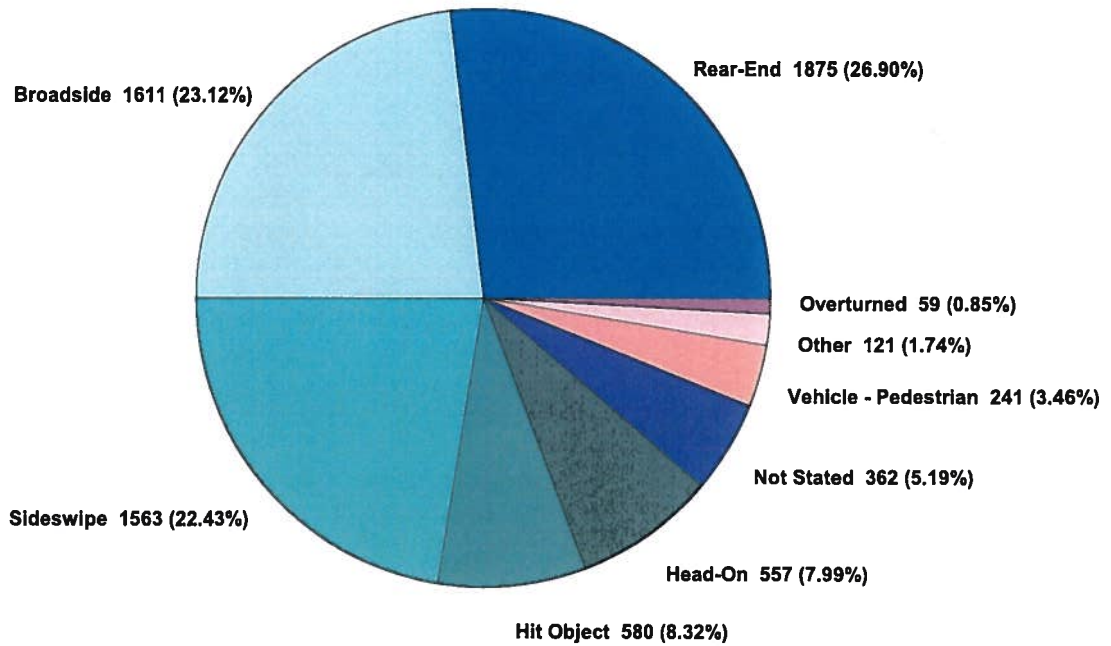
Lighting



City of Garden Grove Traffic Engineering Department



Primary Collision Factors



Collision Types

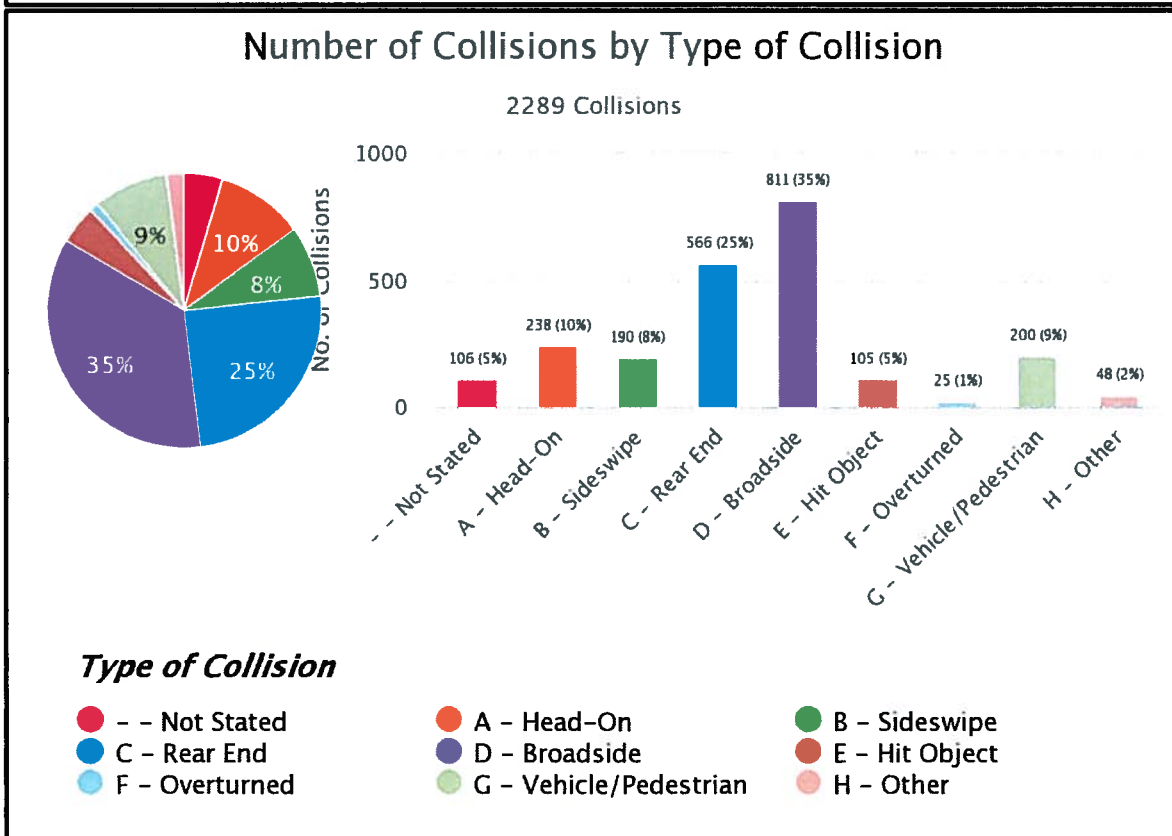
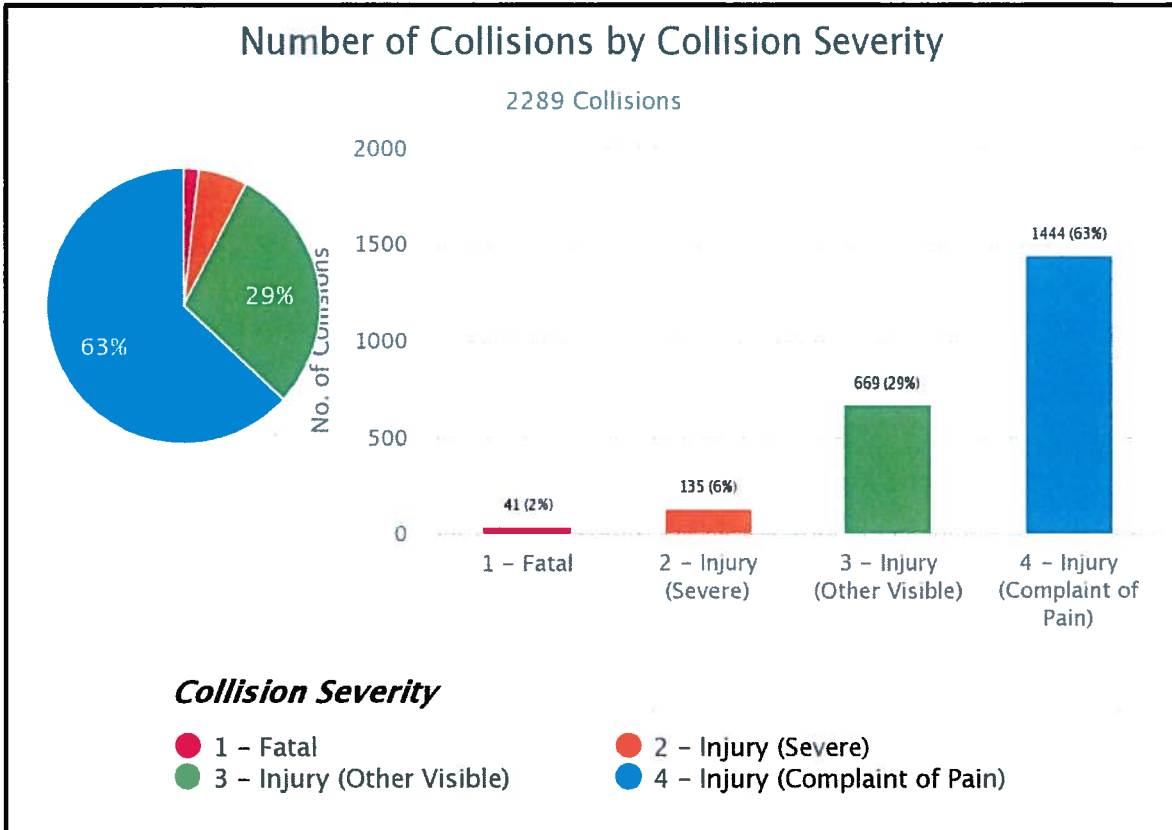
1/1/2016 to 12/31/2020

Total Collisions: 6969

Settings for Query:

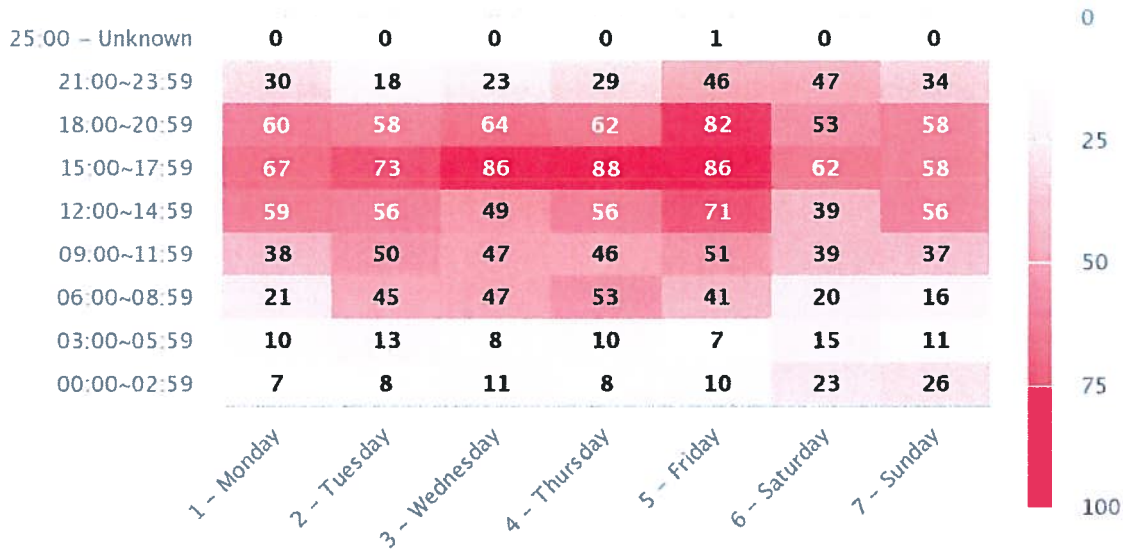
Sorted By: Date and Time

TIMS SWITRS Query – Garden Grove Jan 1, 2016 – Dec 31, 2020 (WITHOUT STATE HWY)



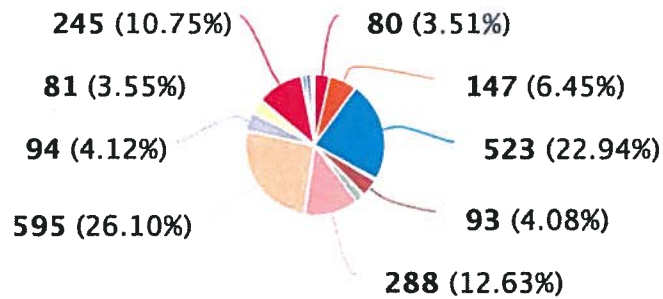
Number of Collisions per Day of Week per Time

2289 Collisions



Number of Collisions by PCF Violation

2280 Collisions

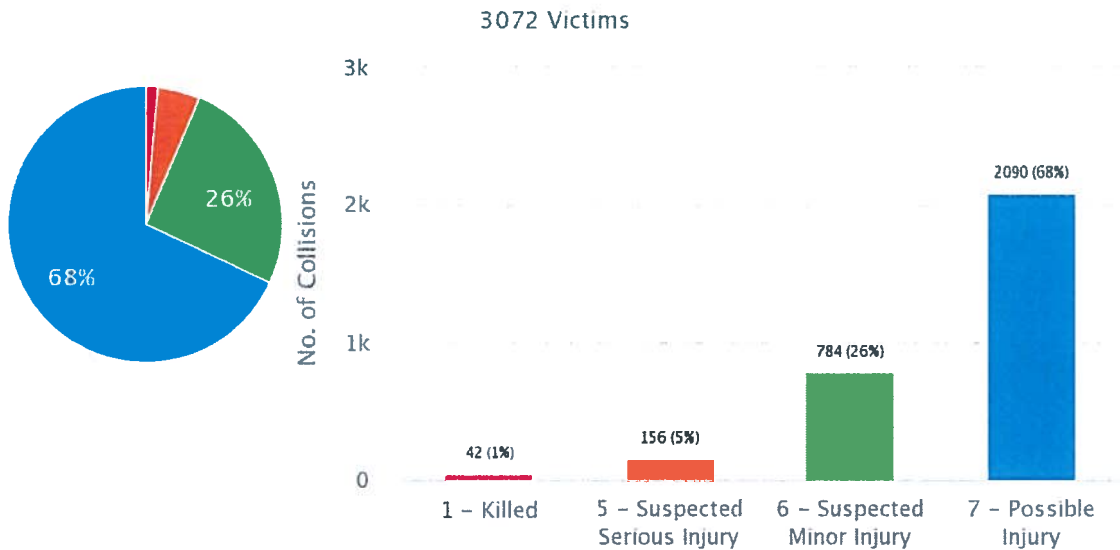


PCF Violation

- 00 - Unknown
 - 01 - Driving or Bicycling Under the Influence of Alcohol or Drug
 - 02 - Impeding Traffic
 - 03 - Unsafe Speed
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 - 05 - Wrong Side of Road
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 - 07 - Unsafe Lane Change
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 - 09 - Automobile Right of Way
 - 10 - Pedestrian Right of Way
 - 11 - Pedestrian Violation
 - 12 - Traffic Signals and Signs
- ▲ 1/2 ▼

VICTIM SUMMARY

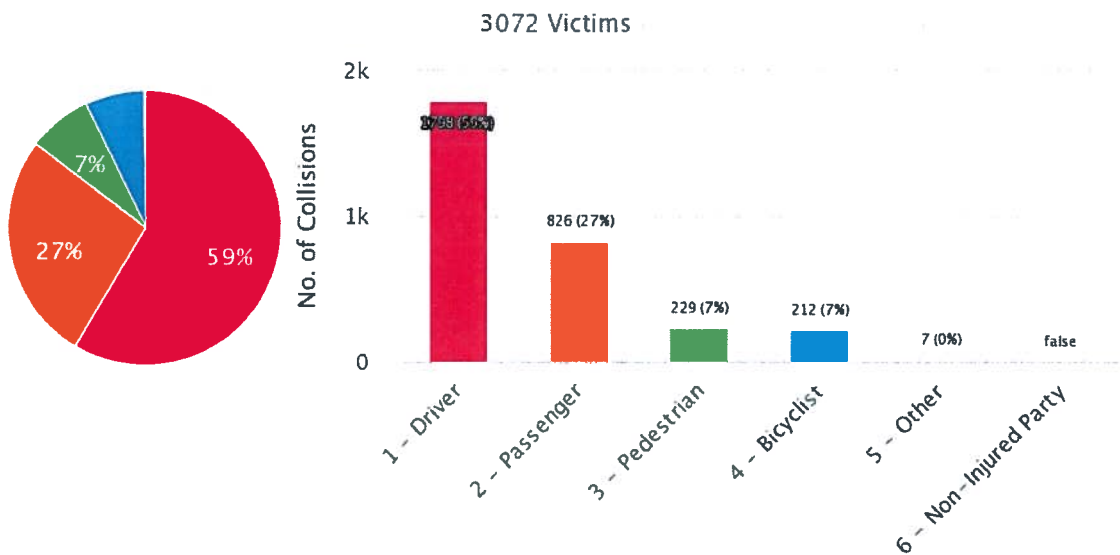
Number of Victims by Victim Degree of Injury



Victim Degree of Injury



Number of Victims by Victim Role

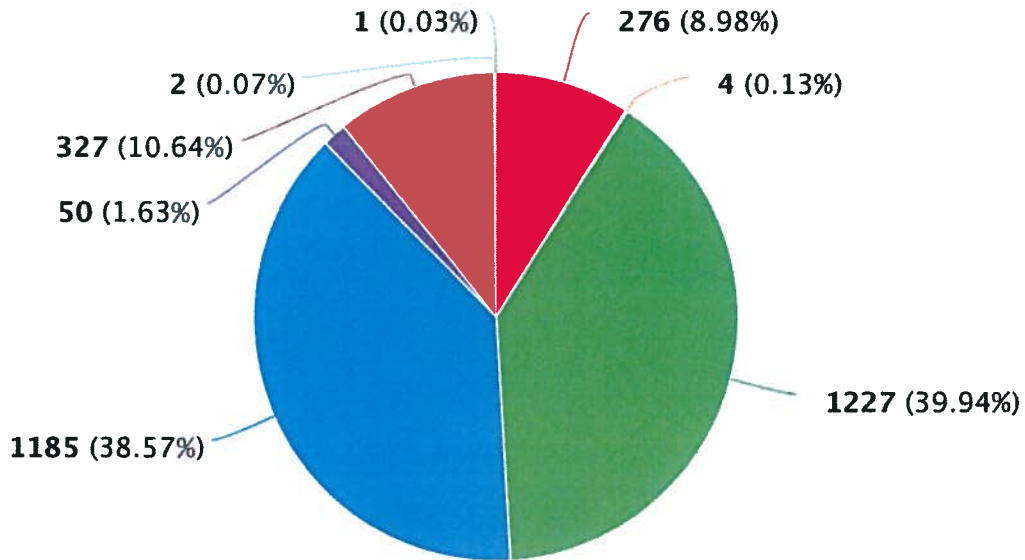


Victim Role



Number of Victims by Victim Safety Equipment 1

3072 Victims

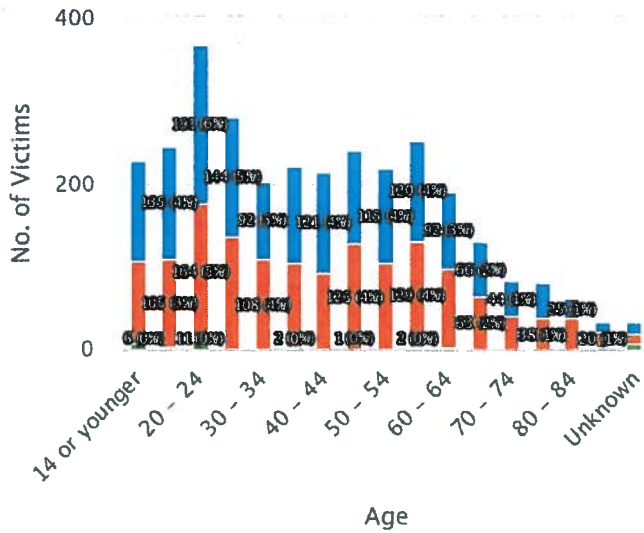
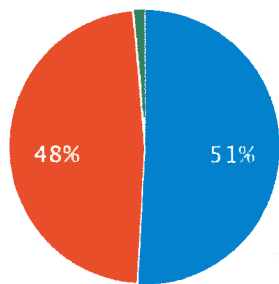


Victim Safety Equipment 1

- - or blank - Not Stated
- G - Lap/Shoulder Harness Used
- L - Air Bag Deployed
- M - Air Bag Not Deployed
- N - Other
- P - Not Required
- V - Driver, Motorcycle Helmet Not Used
- W - Driver, Motorcycle Helmet Used

Number of Victims by Victim Gender and Age

3072 Victims

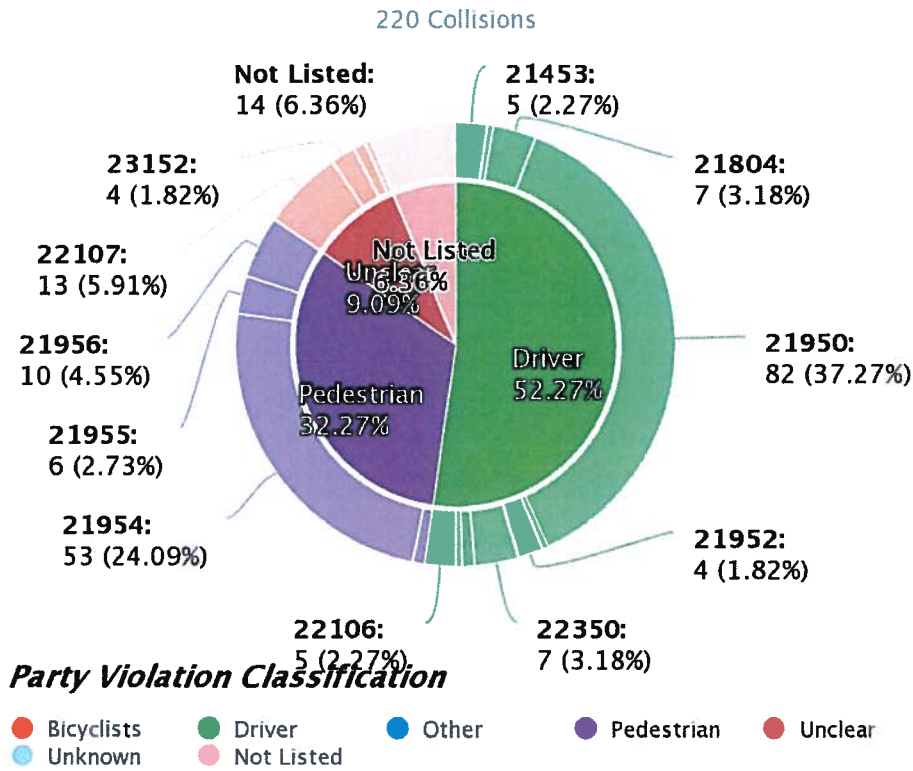


Victim Gender

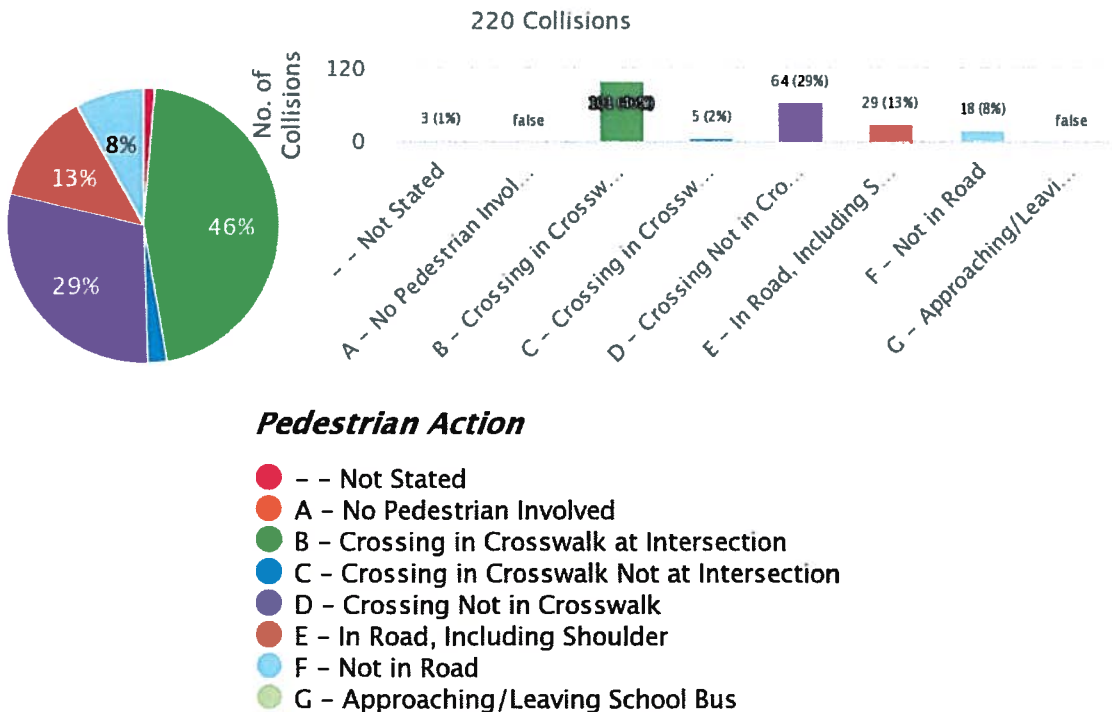
- Male
- Female
- Not Stated

PEDESTRIAN COLLISION SUMMARY

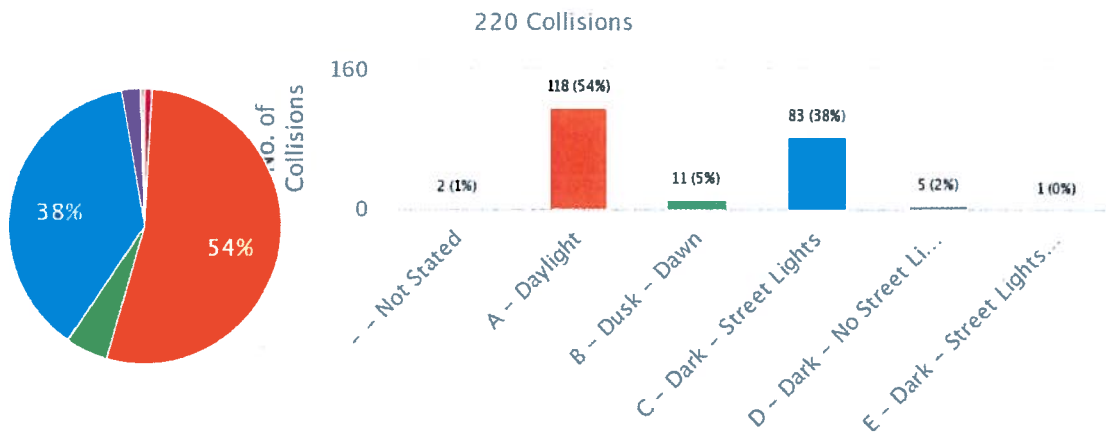
Number of Collisions by Type of Violation



Number of Collisions by Pedestrian Action



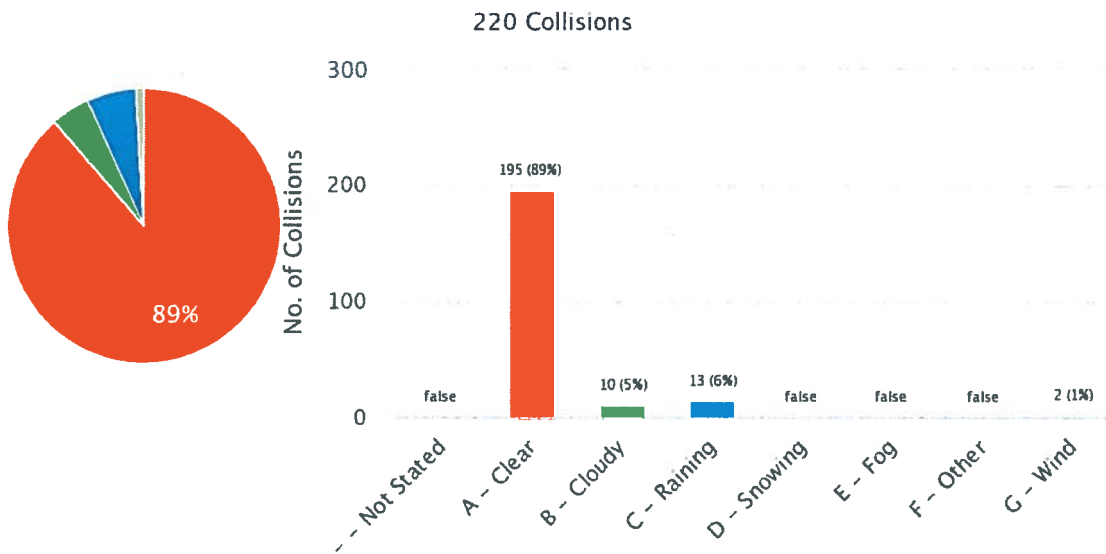
Number of Collisions by Lighting



Lighting

- -- Not Stated
- A - Daylight
- B - Dusk - Dawn
- C - Dark - Street Lights
- D - Dark - No Street Lights
- E - Dark - Street Lights Not Functioning

Number of Collisions by Weather



Weather

- -- Not Stated
- A - Clear
- B - Cloudy
- C - Raining
- D - Snowing
- E - Fog
- F - Other
- G - Wind

**City of Garden Grove
Traffic Engineering Department**

High Incidence Intersection Report

3/16/21

**Number of Collisions for the Top 30 Locations
From 1/1/2016 to 12/31/2020**

Rank	<u>Intersection</u>	<u>Total Collisions</u>
1	Euclid St at Chapman Ave	2
2	Haster St at Lampson Ave	2
3	13th St at Brookhurst St	1
4	Beach Blvd at Rt 22	1
5	Brookhurst St at Bixby Ave	1
6	Brookhurst St at Crosby Ave	1
7	Central Ave at Brookhurst St	1
8	Euclid St at Main St (N)	1
9	Garden Grove Blvd at Benton St	1
10	Harbor Blvd at Trask Ave	1
11	Harbor Blvd at Flagstone Ave	1
12	Haster St at Aspenwood Ave	1
13	Knott St at Stanford Ave	1
14	Magnolia St at Imperial Ave	1
15	Magnolia St at Mays Ave	1
16	Magnolia St at Tracy Ave	1
17	Nutwood St at Allen Dr (N)	1
18	Ontario Dr at Trask Ave	1
19	Trask Ave at Donegal Dr	1
20	Valley View St at Lampson Ave	1
21	Valley View St at Tiffany Ave	1
22	Westminster Ave at Brookhurst St	1
23	Westminster Ave at Flower St	1
24	Westminster Ave at Kerry St	1

Settings for Query:

**Highest Degree of Injury: Fatal
Intersection Related**

City of Garden Grove
Traffic Engineering Department
High Incidence Intersection Report

3/16/21

Number of Collisions for the Top 30 Locations
From 1/1/2016 to 12/31/2020

<u>Rank</u>	<u>Intersection</u>	<u>Total Collisions</u>
1	Westminster Ave at Brookhurst St	5
2	Beach Blvd at Garden Grove Blvd	4
3	Garden Grove Blvd at Nelson St	4
4	Lampson Ave at Dale St	4
5	Magnolia Ave at Katella Ave	4
6	Westminster Ave at Hope St	4
7	Westminster Ave at Taft St	4
8	Garden Grove Blvd at Dale St	3
9	Harbor Blvd at Garden Grove Blvd	3
10	Haster St at Lampson Ave	3
11	Magnolia St at Orangewood Ave	3
12	Westminster Blvd at Bushard St	3
13	Brookhurst St at Chapman Ave	2
14	Chapman Ave at Faye Ave	2
15	Chapman Ave at Covey Way	2
16	Chapman Ave at Buaro St	2
17	Euclid St at Chapman Ave	2
18	Euclid St at Garden Grove Blvd	2
19	Garden Grove Blvd at Brookhurst St	2
20	Garden Grove Blvd at Cypress St	2
21	Garden Grove Blvd at Partridge St	2
22	Harbor Blvd at Chapman Ave	2
23	Katella Ave at Brookhurst St	2
24	Lampson Ave at Haga St	2
25	Lampson Ave at Manley St	2
26	Magnolia St at Westminster Blvd	2

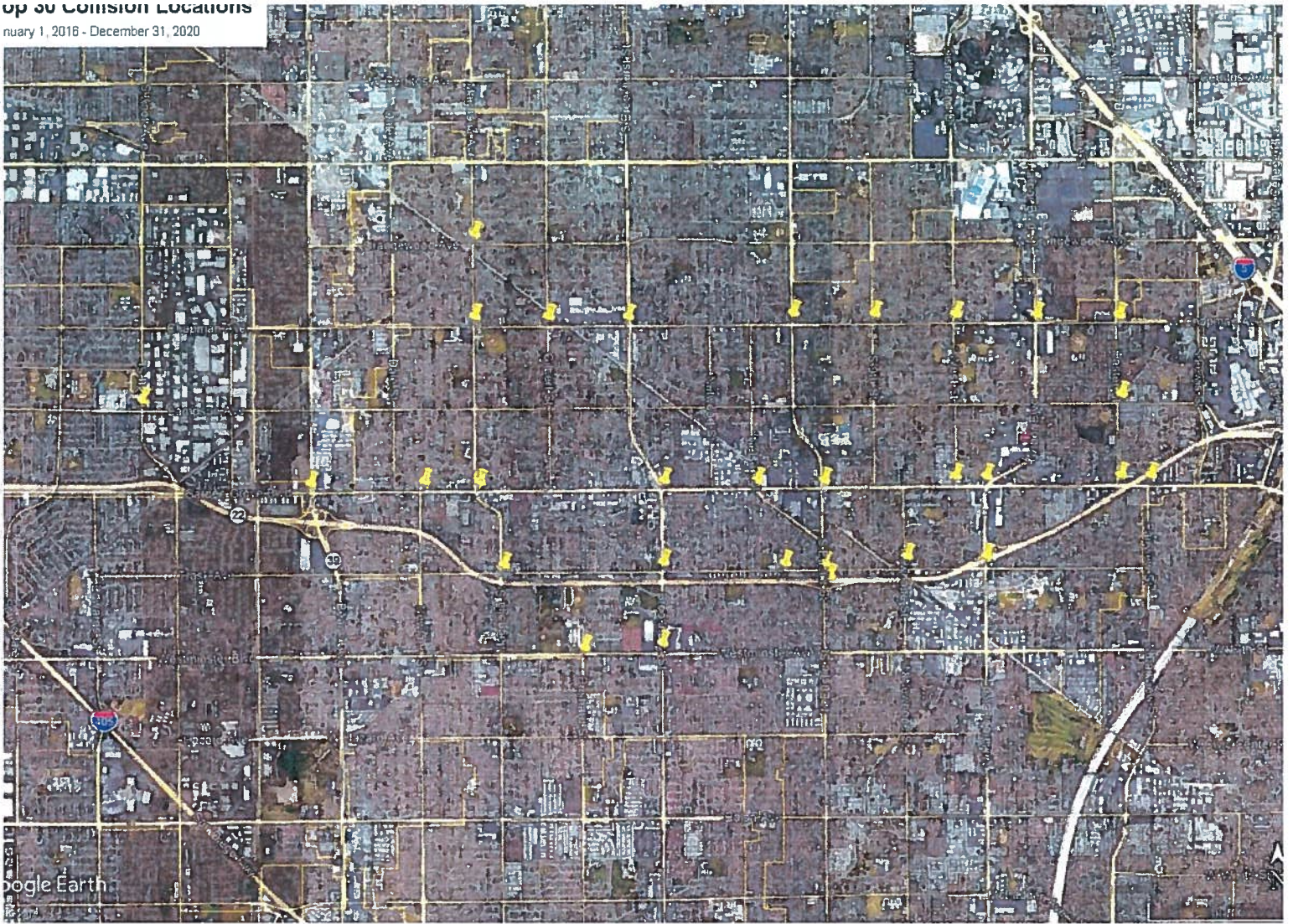
27	Magnolia St at Garden Grove Blvd	2
28	Newland St at Garden Grove Blvd	2
29	Trask Ave at Newland St	2
30	West St at Orangewood Ave	2
30	Western Ave at Chapman Ave	2
30	Westminster Ave at Euclid St	2
30	Westminster Ave at Kerry St	2

Settings for Query:

**Collision Type: Vehicle - Pedestrian
Intersection Related**

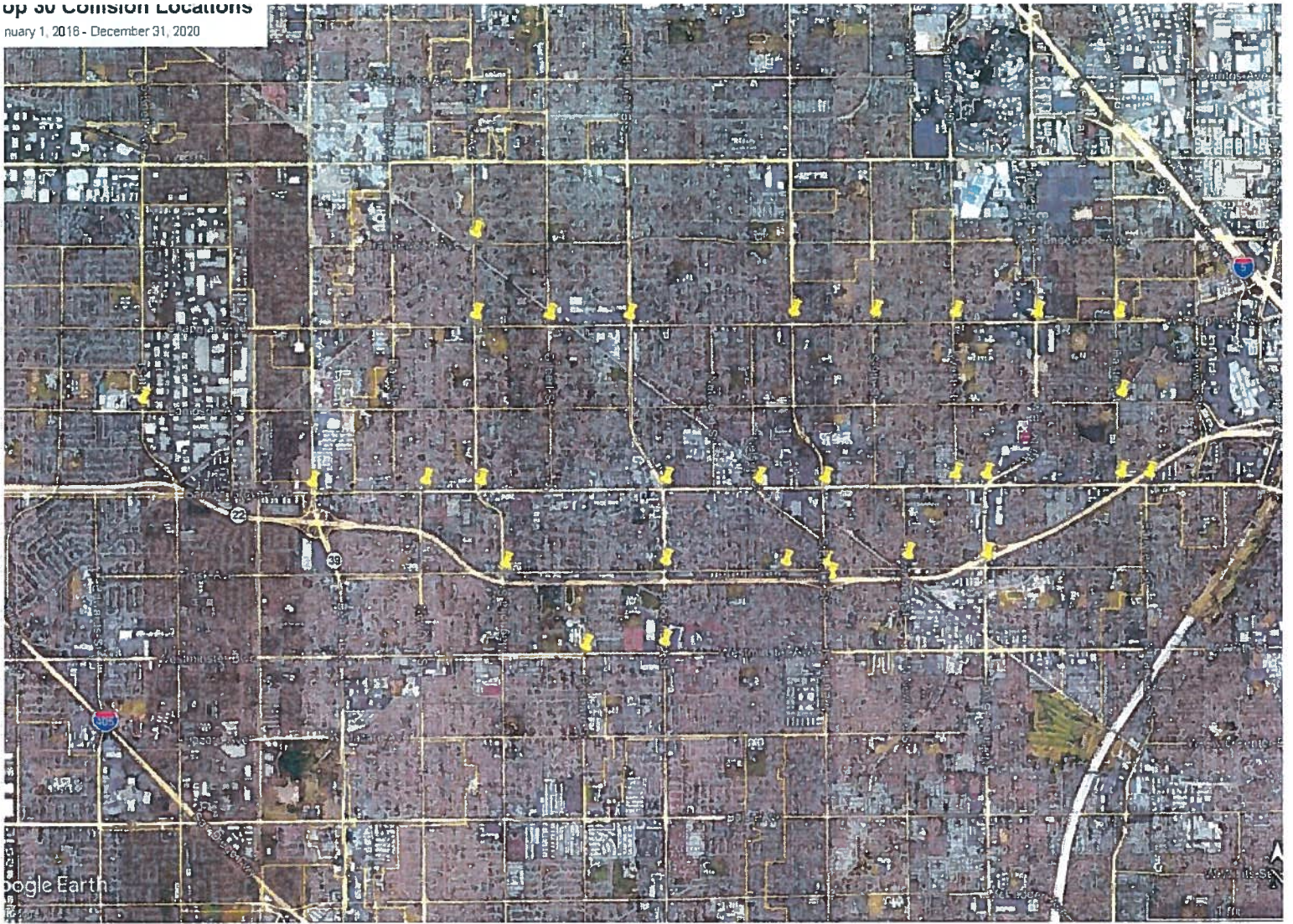
Top 50 Collision Locations

January 1, 2016 - December 31, 2020



Up to 50 Collision Locations

January 1, 2018 - December 31, 2020



City of Garden Grove
Traffic Engineering Department
High Incidence Intersection Report

3/16/21

Number of Collisions for the Top 30 Locations
From 1/1/2016 to 12/31/2020

<u>Rank</u>	<u>Intersection</u>	<u>Total Collisions</u>
1	West St at Garden Grove Blvd	61
2	Fairview St at Garden Grove Blvd	59
3	Brookhurst St at Chapman Ave	55
4	Harbor Blvd at Trask Ave	54
5	Euclid St at Trask Ave	53
6	Brookhurst St at Trask Ave	50
7	Euclid St at Chapman Ave	49
8	Euclid St at Garden Grove Blvd	48
9	Magnolia St at Garden Grove Blvd	47
10	Newhope St at Trask Ave	46
11	Garden Grove Blvd at Brookhurst St	43
12	Westminster Ave at Brookhurst St	42
13	Magnolia St at Trask Ave	41
14	Magnolia St at Orangewood Ave	40
15	Garden Grove Blvd at Haster St	36
16	Beach Blvd at Garden Grove Blvd	35
17	Harbor Blvd at Garden Grove Blvd	35
18	Chapman Ave at West St	34
19	Westminster Blvd at Bushard St	34
20	Newland St at Garden Grove Blvd	33
21	Chapman Ave at 9th St	31
22	Chapman Ave at Magnolia St	31
23	Lampson Ave at Knott St	31
24	Chapman Ave at Gilbert St	30
25	Haster St at Lampson Ave	30
26	Westminster Ave at Euclid St	30

27	Harbor Blvd at Chapman Ave	29
28	Garden Grove Blvd at Nelson St	28
29	Haster St at Chapman Ave	28
30	Taft St at Trask Ave	27

Settings for Query:

Intersection Related