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MEMORANDUM

Date: June 22, 2020

Project #: 24392

To: Sai Midididdi, TE
City of Dublin

From: Amanda Leahy, AICP; Mike Alston, RSP; Michael Sahimi, AICP; Erin Ferguson, PE, RSP

Project: Dublin Bicycle and Pedestrian Master Plan

Subject: Task 3.3.2 Safety Analysis – Trends and High Injury Network Mapping

Kittelson & Associates, Inc. (Kittelson) is assisting the City of Dublin (City) to update the Dublin Bicycle and Pedestrian Master Plan (Plan). This memorandum documents the methodology used for identifying the City's draft high injury network (HIN) as part of Task 3.3.2 - Safety Analysis. It is organized into the following sections:

- Data Sources
- Scope of Analysis and Approach to Analysis
- Citywide Collision Trends
- High Injury Network Maps

This analysis is intended to identify exclusively collision history and trends. The results of this analysis will serve as an input to the forthcoming prioritization framework (Task 4.1) and network recommendations (Task 4.2). Related information, like the presence of schools or vulnerable populations, will be layered alongside this quantitative analysis in the prioritization work.

DATA SOURCES

Kittelson obtained the six most recent years of reported collision data involving bicyclists and pedestrians from the City's CrossRoads collision database, representing 2014 through 2019. Kittelson checked collision totals against the University of California, Berkeley, Transportation Injury Mapping System (TIMS) database and ensured that collisions were not double-counted based on collision locations, dates, and other attributes. Kittelson also used a County of Alameda centerline file to develop the roadway network used for analysis. This network was previously reviewed by the City to confirm roadways and functional classification designations.

SCOPE OF ANALYSIS AND APPROACH TO ANALYSIS

Collisions

The analysis included pedestrian and bicycle collisions of all severity levels, in descending order of severity: fatal, severe injury, other visible injury, complaint of pain injury, and property damage only (PDO). A collision is classified based on the most severe outcome among any parties involved in the collision.

Collisions were geocoded to the subject intersections or the relevant locations along roadways based on the information provided in the collision database. Collisions within 250 feet of an intersection were spatially located to the relevant intersection, and collisions listed as occurring greater than 250 feet from an intersection (as measured from the center of the intersection) were manually moved to the distance listed from the intersection.

Street Network

The analysis evaluated collisions that occurred on public streets within the City, excluding freeway mainlines (e.g., Interstates 580 and 680) but included ramp terminal intersections of freeways.

Analysis Steps

The following steps describe the basic analysis approach to identifying the HIN.

1. Establish the HIN database (collisions and roadway network) as described above.
2. Evaluate the frequency and severity of reported collisions using Equivalent Property Damage Only (EPDO, also known as collision severity score) screening and sliding window methodology from the *Highway Safety Manual* with severity weighting consistent with the Alameda CTC Countywide Active Transportation Plan (specifics of this methodology described below).
3. Select approximately the top 10 percent of roadways based on collision severity scores to be included in the HIN.
4. Where applicable, extend gaps between portions of the identified HIN provided the roadway characteristics are uniform.

Steps 2 through 4 were conducted separately for pedestrian and bicycle collisions.

Collision Severity Score

Kittelson used an equivalent property damage only (EPDO) performance measure, also known as a collision severity score, which assigns weighting factors to collisions by severity relative to property damage only (PDO) collisions. For this analysis, the following weights were assigned in concurrence with Alameda CTC:

- **Fatal and severe injury collisions:** 10 equivalent PDOs
- **Visual injury or complaint of pain (moderate and minor injury) collisions:** 5 equivalent PDOs
- **PDO collisions:** 1 equivalent PDO

The weighting factors intentionally weigh fatal and severe injuries equally to recognize that the difference between a severe injury collision versus a fatal collision are often more of a function of the individuals involved than the circumstances of the collision.

The collision severity score is calculated by multiplying each collision severity total by its associated weight and summing the results, using the following formula:

$$\begin{aligned} \text{Collision Severity Score} = & \text{Fatal weight} * \# \text{ of fatal collisions} + \text{severe injury weight} \\ & * \# \text{ of severe injury collisions} + \text{other visible injury weight} * \# \text{ of other visible injury collisions} \\ & + \text{complaint of pain injury weight} * \# \text{ of complaint of pain injury weight collisions} + \text{PDO collisions} \end{aligned}$$

The collision severity score is annualized by dividing the score by the number of years (six) of collision data used in the analysis.

Resulting Network

Kittelson performed a network screening to calculate the collision severity score for half-mile sliding window segments throughout the City.

Sliding Window Methodology

As part of geocoding the collision data, Kittelson implemented a Python script in ArcGIS. This script segmented the street network into one-half (1/2) of a mile segments, incrementing the segments by one-tenth (1/10) of a mile. The collision severity score was calculated per increment of each segment as the script “slides” along each street in the network. It includes intersections as part of the analysis. By evaluating individual road increments multiple times, the sliding window methodology minimizes inaccurate collision reporting locations and identifies the windows with the highest collision severity scores. This methodology helps to identify portions of roadways with the greatest potential for safety improvements. Kittelson aggregated the results, based on their collision severity scores and via visual inspection of the results, into continuous corridors that make up the draft HIN. This is consistent with the methodology for the analysis conducted as part of the Alameda CTC Countywide Active Transportation Plan.

COLLISION TRENDS

Alongside the spatial analysis to identify pedestrian and bicycle high injury networks, available variables in the collision data were analyzed to identify any citywide trends. Pedestrian and bicycle collisions were analyzed separately for any trends based on the following characteristics:

- Temporal characteristics (time of day, day of week, seasonal, year over year)
- Lighting conditions
- Location characteristics (intersection versus segment collisions)
- Primary collision factors cited by reporting officers
- Age and gender of people walking and biking involved in collisions

Among those categories, key findings that could support further Plan update work are included below. Note that collisions involving people walking or biking are random and sparse; the relative size of each dataset—68 bicycle collisions and 81 pedestrian collisions over six years—limits the ability to find statistically valid trends. Nonetheless, the following trends may be indicative of conditions within the City.

Location

Table 1 and Table 2 present pedestrian and bicycle collisions based on location and severity. As with the spatial analysis, intersection collisions are defined as those reported to have occurred within a 250-foot intersection influence area; all others are considered segment collisions. A majority of both pedestrian and bicycle collisions occurred at intersections, where there are more conflicts with motor vehicle traffic than at other locations along roadways.

Table 1: Pedestrian Collisions by Location and Severity

Location	Fatal/Severe Injury Collisions	Other Collisions	Total Reported Collisions	Share of Total Reported
Intersection	11	63	74	91%
Segment	1	6	7	9%
Total Reported	12	69	81	100%

Source: City of Dublin; Kittelson, 2020.

Table 2: Bicycle Collisions by Location and Severity

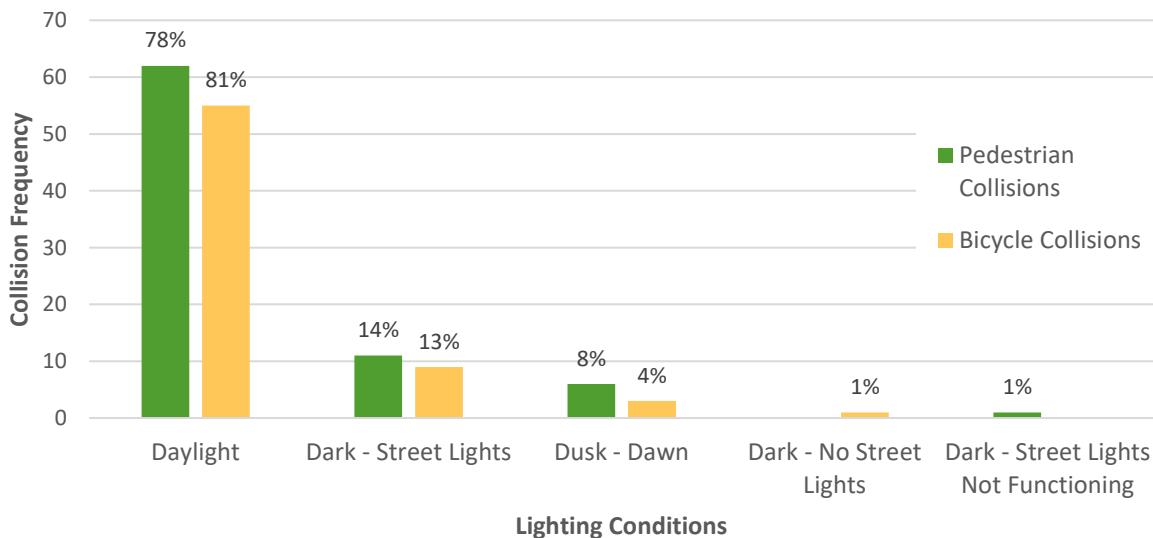
Location	Fatal/Severe Injury Collisions	Other Collisions	Total Reported Collisions	Share of Total Reported
Intersection	2	50	52	76%
Segment	1	15	16	24%
Total Reported	3	65	68	100%

Source: City of Dublin; Kittelson, 2020.

Lighting

Figure 1 presents pedestrian and bicycle collisions by lighting conditions. The majority of such collisions occurred in daylight conditions. All reported bicycle fatal and severe injury collisions occurred in daylight conditions. In dark conditions, collisions primarily occurred under street lights.

Figure 1: Pedestrian and Bicycle Collisions by Lighting Conditions



Source: City of Dublin; Kittelson, 2020.

Primary Collision Factors

Primary collision factors (PCFs) are aggregated and provided in the data based on the section of the California Vehicle Code the reporting officer records. Among bicycle collisions, the following primary collision factors were the most frequently cited:

- **Automobile right of way violation (26% of collisions):** a reported PCF that indicates one of several California Vehicle Violation codes regarding a failure to yield right-of-way to oncoming traffic. This PCF may be an action on the part of the bicyclist or the motorist involved.
- **Improper turning (16% of collisions):** a reported PCF that indicates a motorist committed a hazardous violation while turning.
- **Other hazardous movement (12% of collisions):** This is an aggregated violation category that can indicate a hazardous movement on the part of the bicyclist or the motorist involved.

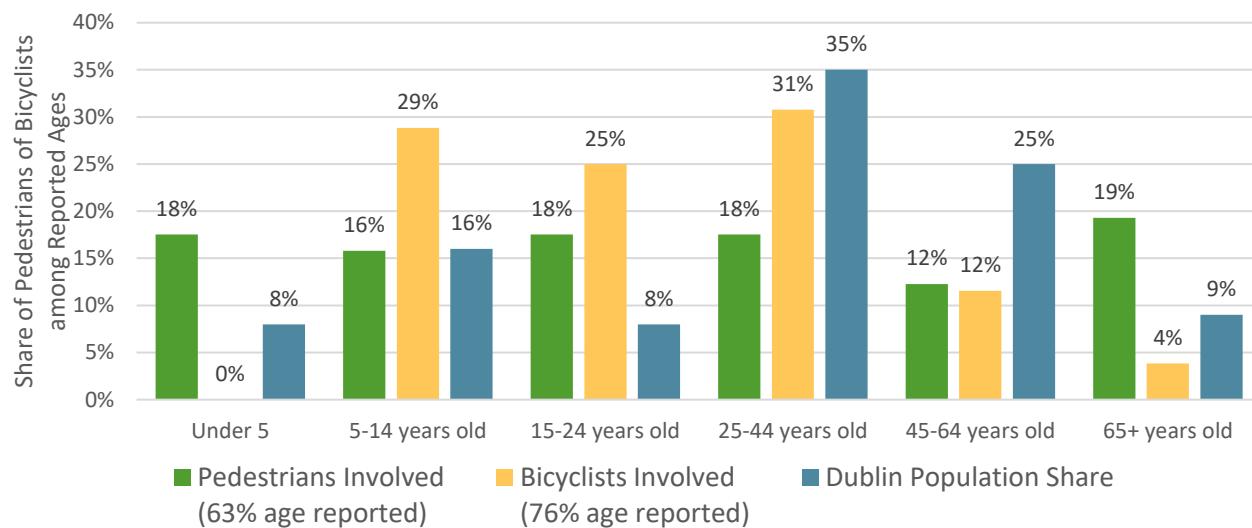
Among pedestrian collisions, the following PCFs were most frequently cited:

- **Pedestrian right-of-way violation (27% of collisions):** a reported PCF that indicates a driver violated a pedestrian's right-of-way.
- **Other improper driving (20% of collisions):** a PCF that represents an aggregation of motorist violations.
- **Automobile right-of-way violation (14% of collisions):** a reported PCF that indicates one of several California Vehicle Violation codes regarding a failure to yield right-of-way to oncoming traffic. This PCF would be an action on the part of the pedestrian or the motorist involved.
- **Pedestrian violation (6% of collisions):** a reported PCF that indicates a pedestrian was determined to have violated the laws regarding right-of-way.

Age and Gender of Parties Involved

Figure 2 presents the ages of people walking or biking involved in collisions compared to the share of the City's population. Note that age data was available for 76% of pedestrians and for 63% of bicyclists involved in collisions. The comparison reveals that people between 15 to 24 years old appear overrepresented in bicycle and pedestrian collisions. They represent 25% and 18% of pedestrians and bicyclists involved in collisions, compared to eight percent of the City's population. Similarly, people between 45 and 64 years old are underrepresented among pedestrian and bicyclist collisions (12 percent each) relative to their share of Dublin's population (25 percent).

Figure 2: Age of Parties Involved in Collisions



Source: City of Dublin; Kittelson, 2020.

Additionally, reported gender was available for 78 percent of bicyclists involved in collisions and for 59 percent of pedestrians involved. The available data show that males represent approximately 60 percent of pedestrians involved in collisions and 83 percent of bicyclists involved in collisions.

DELIVERABLES FROM THE ANALYSIS

The results from HIN and collision analysis are provided in the following attachments:

- **Figure 3: Pedestrian Collisions**
- **Figure 4: Pedestrian Network Screening Results**
- **Figure 5: Pedestrian High Injury Network**
- **Figure 6: Bicycle Collisions**
- **Figure 7: Bicycle Network Screening Results**
- **Figure 8: Bicycle High Injury Network**
- **Figure 9: Collision Statistics Infographic**

HIGH INJURY NETWORK CHARACTERISTICS

Draft High Injury Network Extents

Table 3 provides the extents of each draft high injury network.

Table 3: Draft High Injury Network Roadways

Pedestrian Draft High Injury Network		Bicycle Draft High Injury Network	
Roadway	Extents	Roadway	Extents
Amador Valley Boulevard	I-680 to Burton St	Amador Valley Boulevard	San Ramon Rd to Penn Dr
Arnold Drive	I-580 to Dublin Blvd	Dublin Boulevard	Silvergate Dr to Myrtle Dr
Bent Tree Drive	Fallon Dr to Sugar Hill Terr	Village Parkway	Dublin Blvd to City Limits (N)
Burton Street	Amador Valley Blvd to Tamarack Dr		
Dublin Boulevard	Hansen Dr to Grafton St		
Hacienda Drive	I-580 to Dublin Blvd		
Regional Street	Southern extents to Amador Valley Blvd		
Tamarack Drive	Canterbury Ln to Brighton Dr		
Tassajara Road	Dublin Blvd to Gleason Dr		
Village Parkway	Dublin Blvd to Davona Dr		
Total Mileage: 8.4 miles		Total Mileage: 6.7 miles	

Source: City of Dublin; Kittelson, 2020.

Draft High Injury Network Characteristics

Sixty-two percent of the pedestrian collisions occurred on the 8.4 miles of roadway that make up the pedestrian HIN. Sixty-two percent of the bicycle collisions occurred on the 6.7 miles of roadway that make up the bicycle HIN.

General road characteristics of the draft pedestrian HIN include the following:

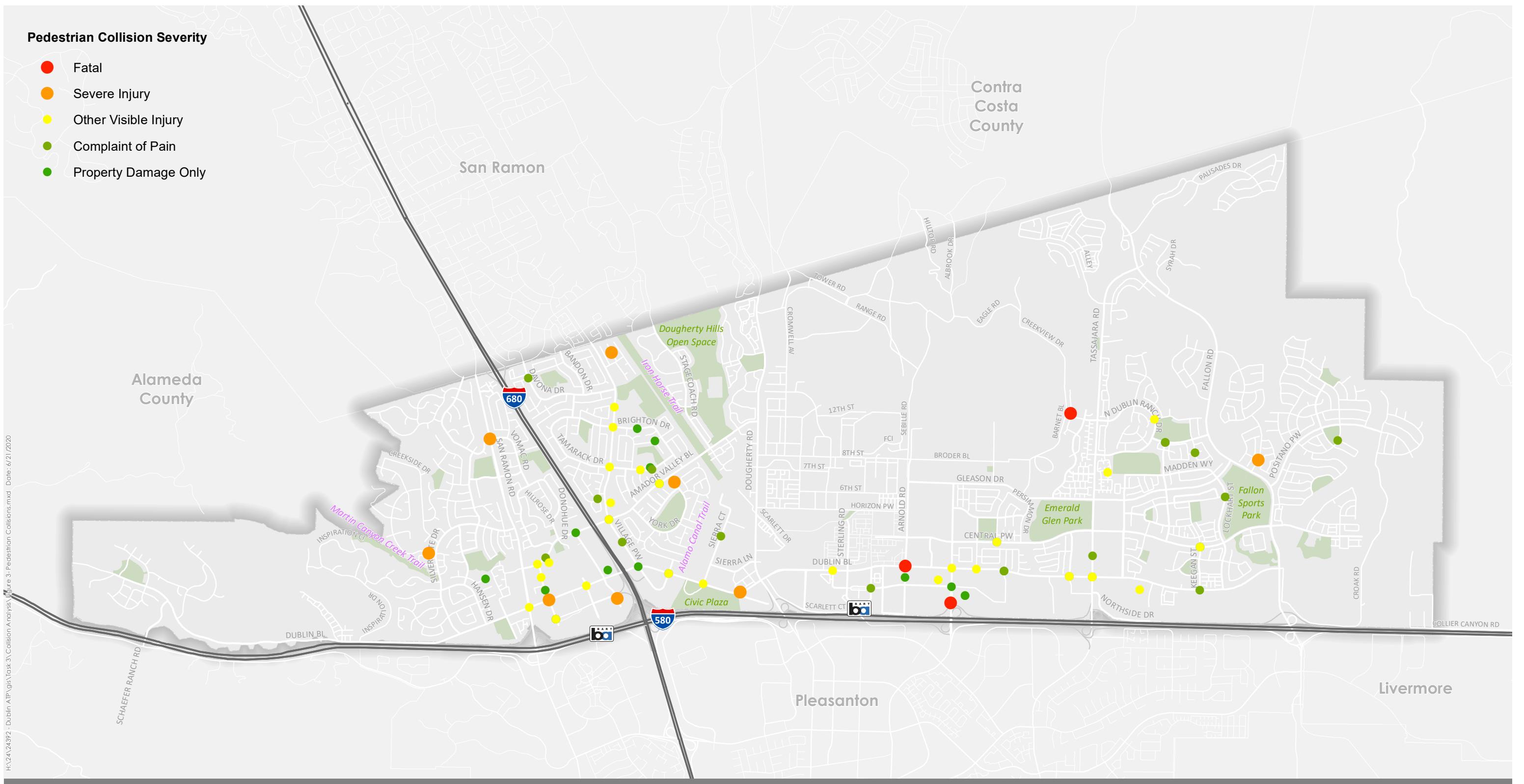
- Approximately 40 percent of the pedestrian HIN has a speed limit of 35 miles per hour; 32 percent of the HIN mileage consists of roads with speed limit of 40 or 45 miles per hour, and the remainder of the HIN has a speed limit of 25 or 30 miles per hour..
- Approximately 55 percent of the pedestrian HIN consists of roads classified as arterial roads, with the remainder being collector or residential streets.
- Approximately 47 percent of the HIN has five or six vehicular through lanes. Another 24 percent includes four vehicular through lanes, and the remainder of the HIN has two or three lanes.

General road characteristics of the draft bicycle HIN include the following:

- Approximately 78 percent of the bicycle HIN mileage consists of roads with speed limit of 35 or 45 miles per hour, with the remainder of the HIN having speeds limits of 30 miles per hour.
- The bicycle HIN is approximately evenly divided between arterial and collector roadways—54 and 46 percent, respectively.
- Approximately 88 percent of the HIN has four or more vehicular through lanes.

NEXT STEPS

The pedestrian and bicycle HIN will be carried forward as inputs to the network prioritization (Task 4.1) as part of the next task, which will include other input elements upon consultation with the City not quantified here—for example, proximity to schools or demographic information. The descriptive statistics and HIN characteristics described will also be carried forward into subsequent Plan update work, including possible documentation for infrastructure design guidelines and network recommendations (Task 4.2).

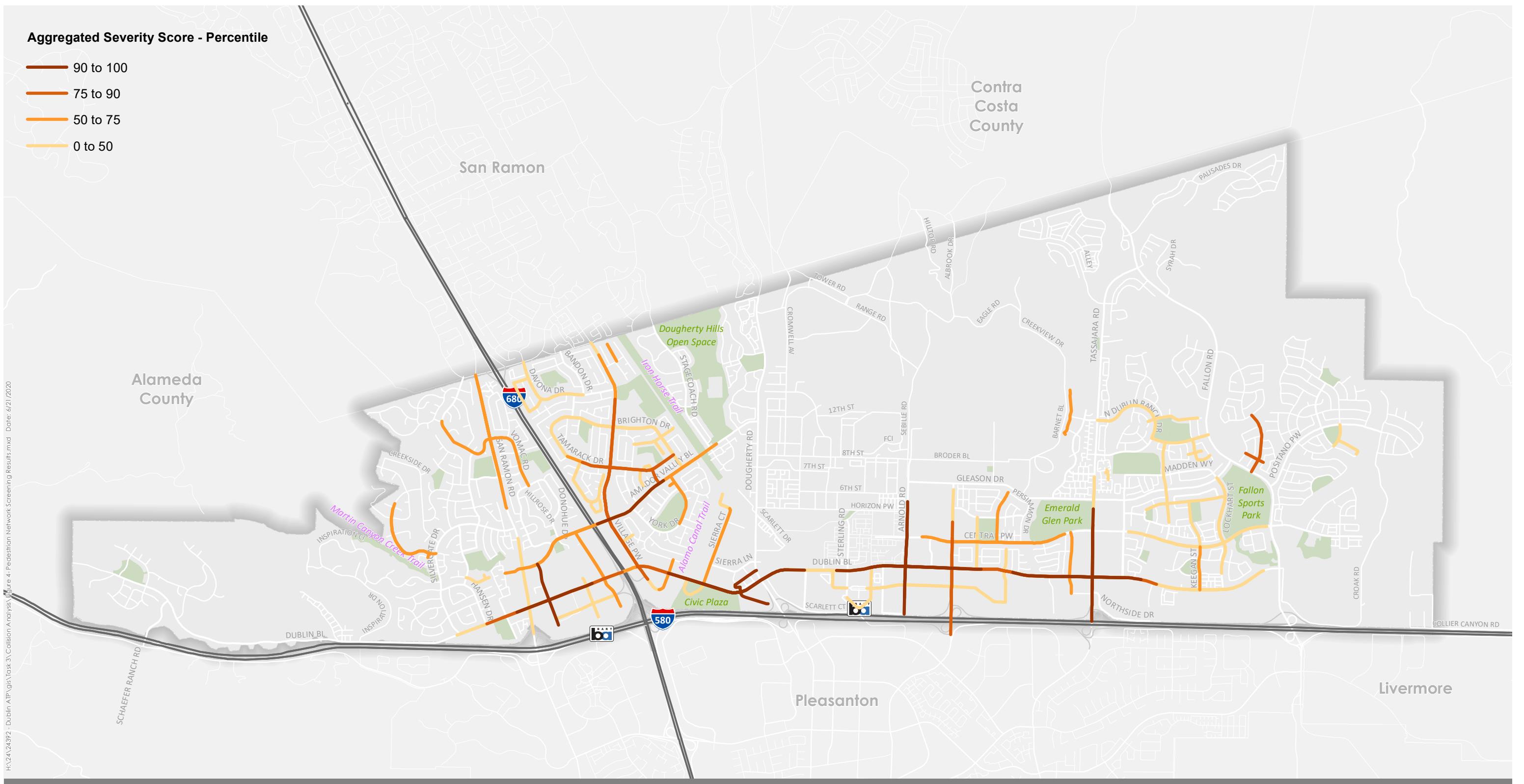


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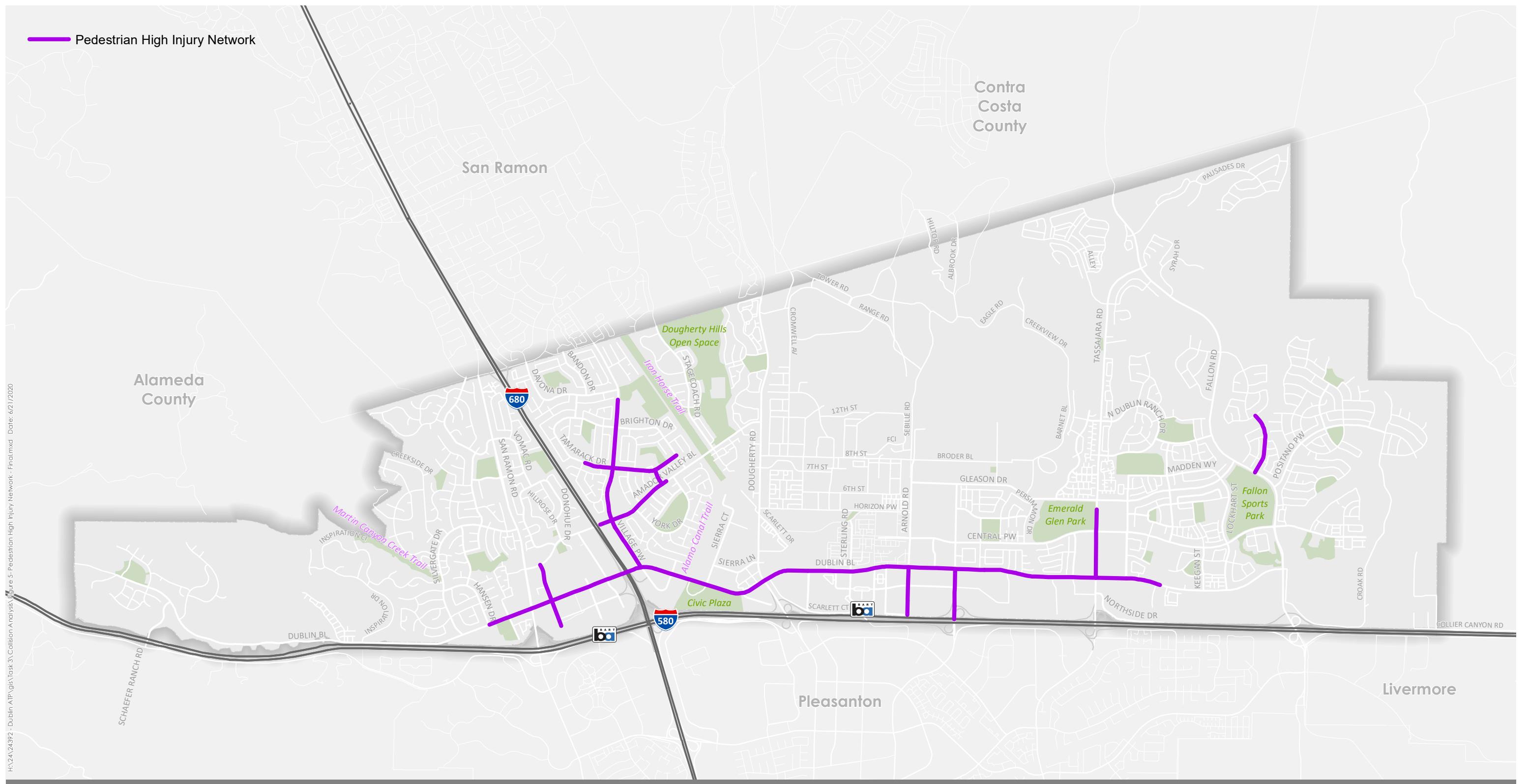
Pedestrian Collisions (2014 - 2019)
Dublin, California

Figure 3



**Pedestrian Network Screening Results
Dublin, California**

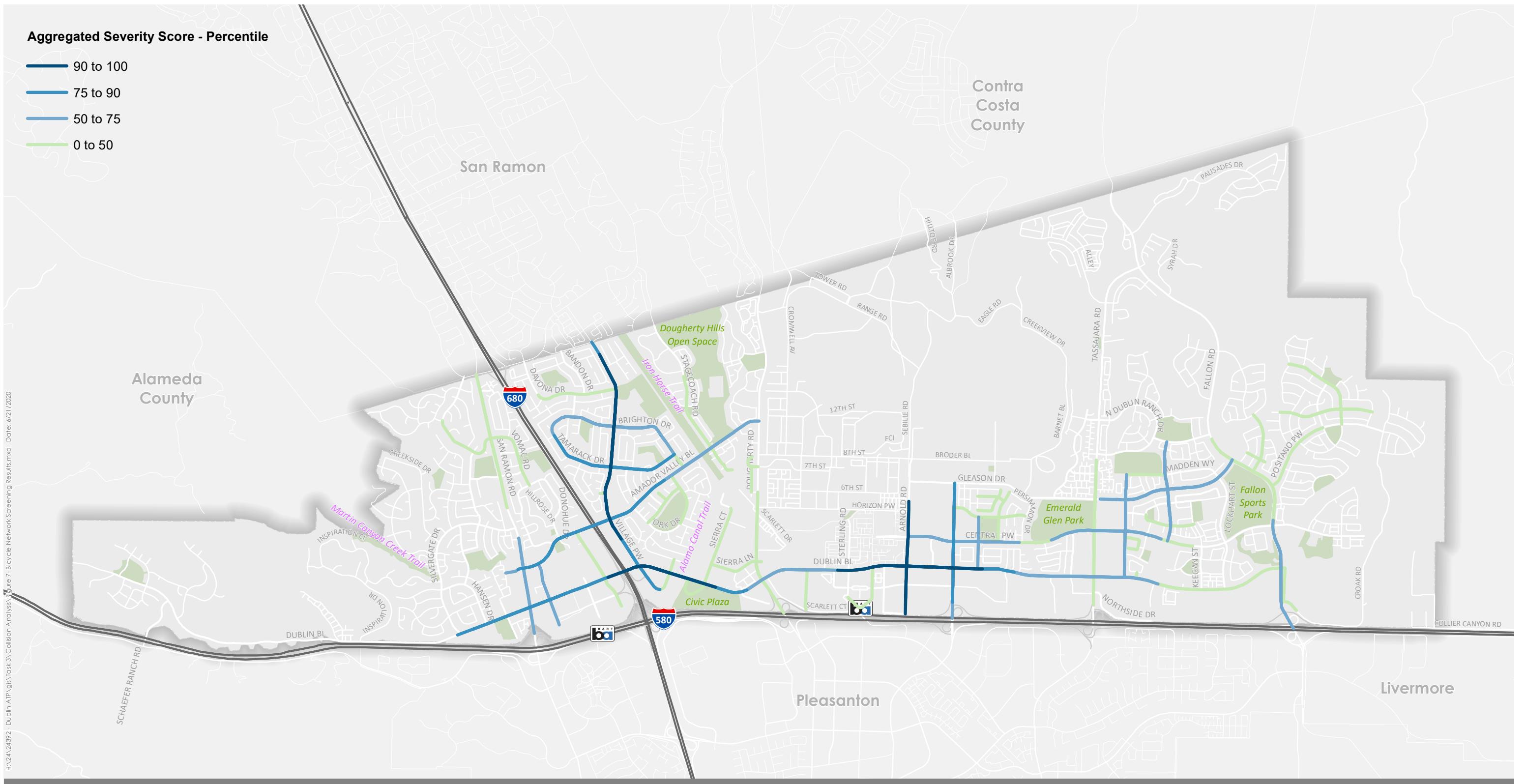
Figure 4



Pedestrian High Injury Network
Dublin, California

Figure 5



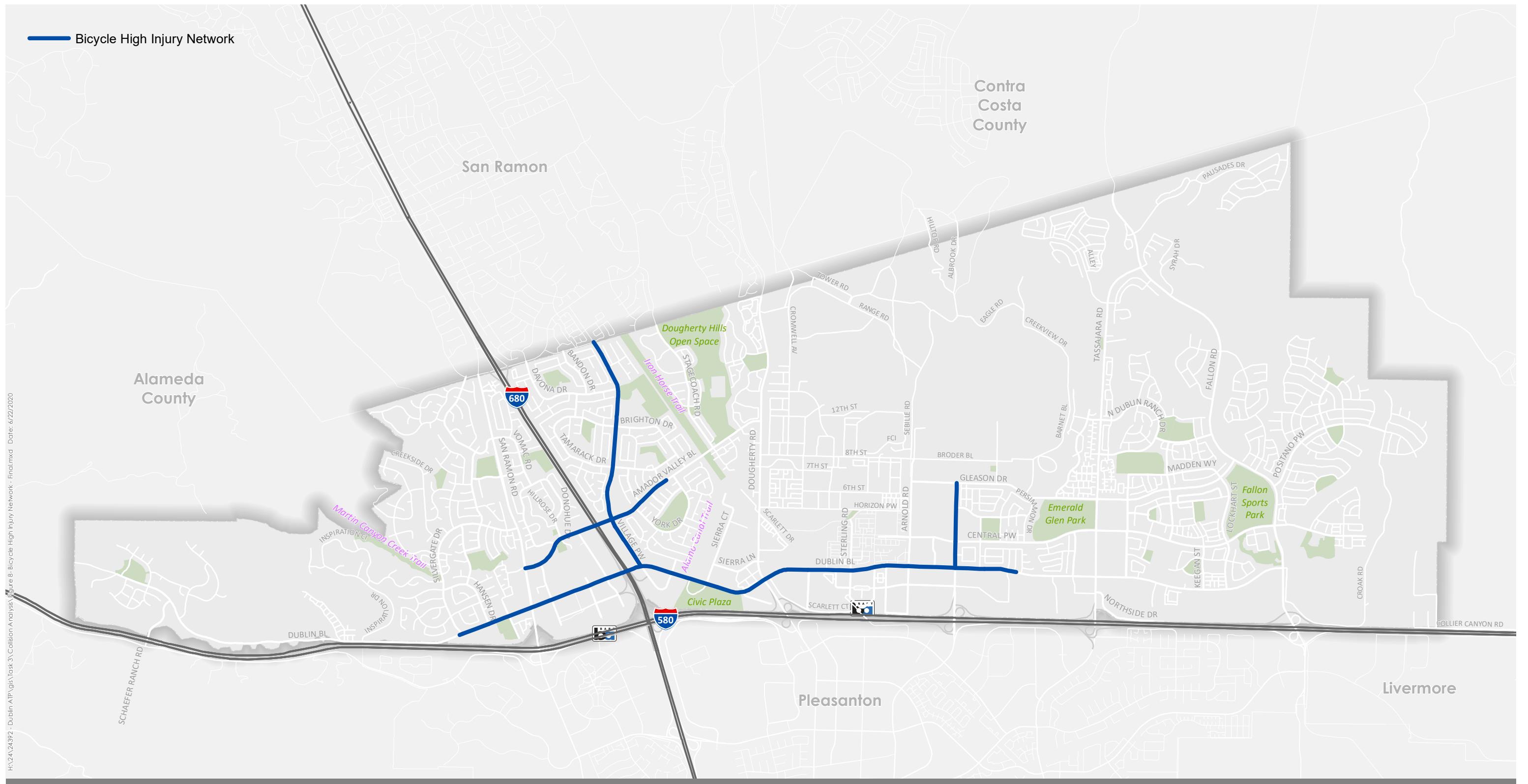


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Bicycle Network Screening Results
Dublin, California

Figure 7



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Bicycle High Injury Network
Dublin, California

Figure 8

76%

of bike collisions
occur at an
intersection



THE TOP 2 CITED PRIMARY COLLISION
FACTORS FOR BIKE COLLISIONS ARE:



26%

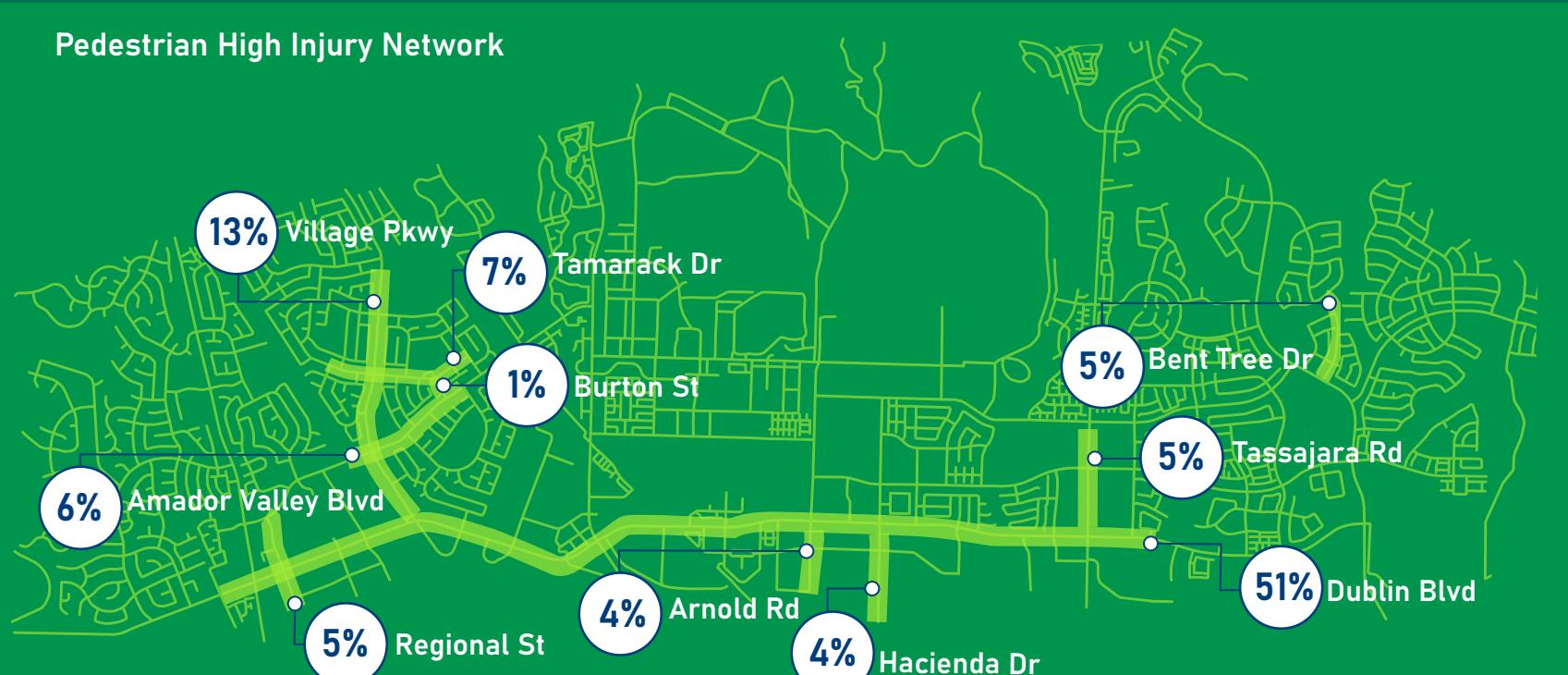
Automobile
Right of Way
Violation
(Failure to yield right-of-way
to conflicting traffic)



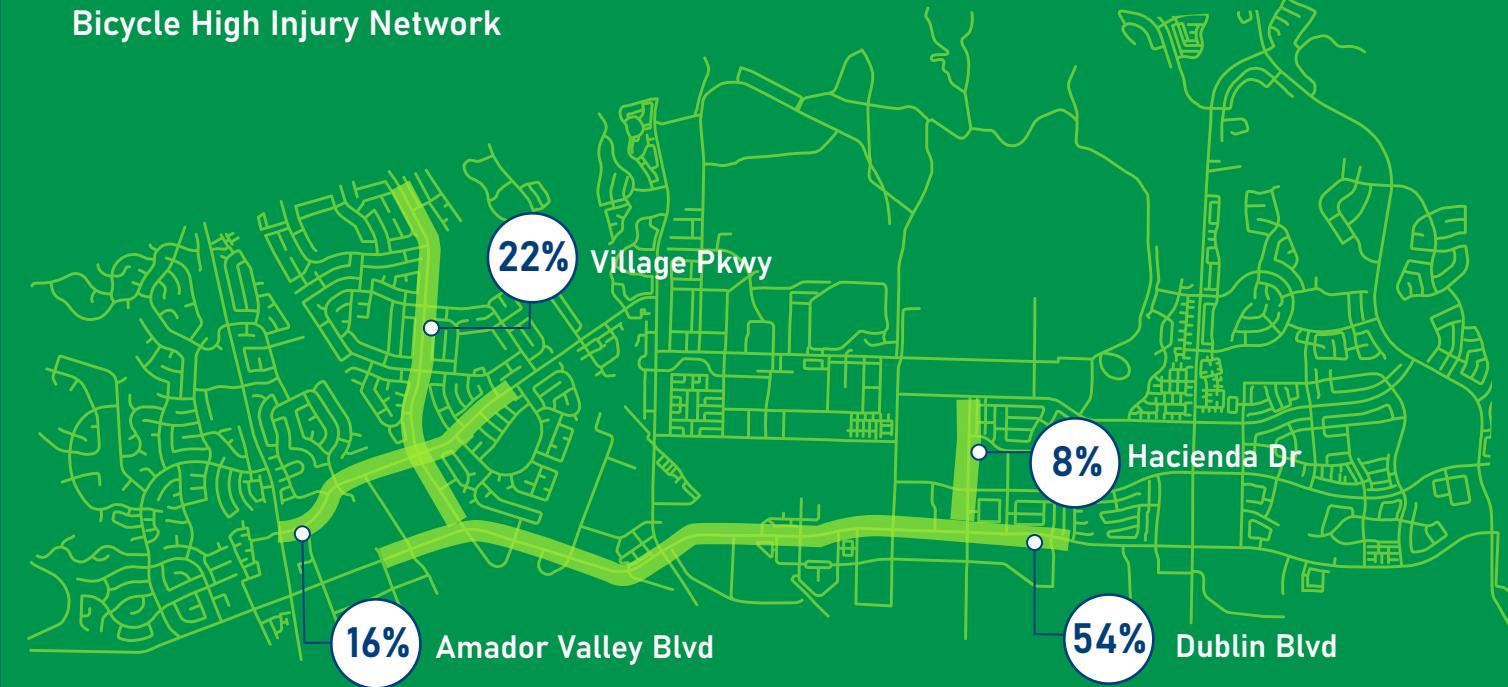
16%

Improper
Turning

Pedestrian High Injury Network



Bicycle High Injury Network



4%

of bike collisions
resulted in a fatality
or severe injury



91%

of pedestrian
collisions occur at
an intersection



14%

of pedestrian
collisions are hit
and run collisions



15%

of pedestrian
collisions resulted
in a fatality or
severe injury

Appendix A: Network Screening Results

FID	Street	Severe Injury Crashes		Moderate Injury Crashes		Minor Injury Crashes		PDO Crashes	Total Crashes	Segment Length	Annualized EqPDO Score		Rank	Percentile	Percentile Group
		Fatal Crashes	Injury Crashes	Moderate Injury Crashes	Minor Injury Crashes	PDO Crashes	Total Crashes				EqPDO Score	Rank			
623	DUBLIN BL	0	2	2	1	0	5	0.5	5.8333333333		1	0.9944444444	90_100		
663	DUBLIN BL	1	0	3	1	0	5	0.5		5	2	0.988888889	90_100		
1335	REGIONAL ST	0	1	3	0	3	7	0.402237	4.666666667		3	0.9833333333	90_100		
469	DUBLIN BL	0	0	4	1	1	6	0.5	4.3333333333		4	0.977777778	90_100		
491	DUBLIN BL	0	0	4	1	1	6	0.5	4.3333333333		5	0.972222222	90_100		
573	DUBLIN BL	0	0	4	1	1	6	0.5	4.3333333333		6	0.9666666667	90_100		
710	DUBLIN BL	0	0	4	1	1	6	0.5	4.3333333333		7	0.961111111	90_100		
349	DUBLIN BL	1	0	2	1	0	4	0.5	4.166666667		8	0.955555556	90_100		
386	DUBLIN BL	0	2	1	0	0	3	0.5	4.166666667		9	0.95	90_100		
449	DUBLIN BL	0	2	1	0	0	3	0.5	4.166666667		10	0.9444444444	90_100		
718	DUBLIN BL	0	1	2	0	1	4	0.5		3.5	11	0.938888889	90_100		
94	ARNOLD RD	1	0	1	1	1	4	0.5		3.5	12	0.933333333	90_100		
202	ARNOLD RD	1	0	1	1	1	4	0.5		3.5	13	0.927777778	90_100		
282	ARNOLD RD	1	0	1	1	1	4	0.5		3.5	14	0.922222222	90_100		
147	AMADOR VALLEY BL	0	0	2	2	0	4	0.5	3.3333333333		15	0.9166666667	90_100		
501	DUBLIN BL	1	0	1	1	0	3	0.5	3.3333333333		16	0.911111111	90_100		
672	DUBLIN BL	1	0	1	1	0	3	0.5	3.3333333333		17	0.905555556	90_100		
690	DUBLIN BL	1	0	1	1	0	3	0.5	3.3333333333		18	0.9	90_100		
1031	TASSAJARA RD	0	0	2	2	0	4	0.5	3.3333333333		19	0.8944444444	90_100		
1164	TASSAJARA RD	0	0	2	2	0	4	0.5	3.3333333333		20	0.888888889	90_100		
1256	TASSAJARA RD	0	0	2	2	0	4	0.5	3.3333333333		21	0.883333333	90_100		
399	DUBLIN CT	0	2	0	0	0	2	0.1944855	3.3333333333		22	0.87777778	90_100		
583	DUBLIN BL	0	2	0	0	0	2	0.5	3.3333333333		23	0.872222222	90_100		
724	DUBLIN BL	0	2	0	0	0	2	0.5	3.3333333333		24	0.866666667	90_100		
1143	TRALEE VILLAGE DR	0	2	0	0	0	2	0.2343014	3.3333333333		25	0.861111111	90_100		
641	DUBLIN BL	0	0	2	1	2	5	0.5	2.8333333333		26	0.855555556	75_90		
339	HACIENDA DR	1	0	1	0	1	3	0.5	2.6666666667		27	0.85	75_90		
477	DUBLIN BL	0	0	2	1	1	4	0.5	2.6666666667		28	0.8444444444	75_90		
485	DUBLIN BL	0	1	1	0	1	3	0.5	2.6666666667		29	0.838888889	75_90		
493	HACIENDA DR	1	0	1	0	1	3	0.5	2.6666666667		30	0.833333333	75_90		
522	DUBLIN BL	0	0	2	1	1	4	0.5	2.6666666667		31	0.827777778	75_90		
537	DUBLIN BL	0	0	2	1	1	4	0.5	2.6666666667		32	0.822222222	75_90		
586	DUBLIN BL	0	1	1	0	1	3	0.5	2.6666666667		33	0.8166666667	75_90		
594	HACIENDA DR	1	0	1	0	1	3	0.5	2.6666666667		34	0.811111111	75_90		
631	DUBLIN BL	0	1	1	0	1	3	0.5	2.6666666667		35	0.805555556	75_90		
683	DUBLIN BL	0	1	1	0	1	3	0.5	2.6666666667		36	0.8	75_90		
1485	VILLAGE PW	0	0	1	2	1	4	0.5	2.6666666667		37	0.7944444444	75_90		
97	BENT TREE DR	0	1	1	0	0	2	0.3832796		2.5	38	0.788888889	75_90		
126	BURTON ST	0	0	1	2	0	3	0.0990718		2.5	39	0.783333333	75_90		
740	DUBLIN BL	0	0	2	1	0	3	0.5		2.5	40	0.777777778	75_90		
750	DUBLIN BL	0	0	2	1	0	3	0.5		2.5	41	0.772222222	75_90		
1033	TWIN EAGLES LN	0	1	1	0	0	2	0.12372		2.5	42	0.7666666667	75_90		
1095	TAMARACK DR	0	0	2	1	0	3	0.5		2.5	43	0.761111111	75_90		
1232	TAMARACK DR	0	0	2	1	0	3	0.5		2.5	44	0.755555556	75_90		
1364	VILLAGE PW	0	0	2	1	0	3	0.5		2.5	45	0.75	75_90		
1386	VILLAGE PW	0	0	3	0	0	3	0.5		2.5	46	0.7444444444	75_90		
1393	VILLAGE PW	0	0	1	2	0	3	0.5		2.5	47	0.738888889	75_90		
1398	VILLAGE PW	0	0	1	2	0	3	0.5		2.5	48	0.733333333	75_90		
1407	VILLAGE PW	0	0	2	1	0	3	0.5		2.5	49	0.727777778	75_90		
133	AMADOR PLAZA RD	0	1	0	0	1	2	0.5	1.8333333333		50	0.722222222	50_75		
680	GLYNNS ROSE DR	0	0	2	0	1	3	0.3829053	1.8333333333		51	0.7166666667	50_75		
74	AMADOR VALLEY BL	0	0	1	1	1	3	0.5	1.8333333333		52	0.711111111	50_75		
158	AMADOR VALLEY BL	0	0	1	1	1	3	0.5	1.8333333333		53	0.705555556	50_75		
227	AMADOR VALLEY BL	0	0	1	1	1	3	0.5	1.8333333333		54	0.7	50_75		
275	AMADOR VALLEY BL	0	0	1	1	1	3	0.5	1.8333333333		55	0.6944444444	50_75		
324	AMADOR VALLEY BL	0	0	1	1	1	3	0.5	1.8333333333		56	0.688888889	50_75		
333	DUBLIN BL	0	0	1	1	1	3	0.5	1.8333333333		57	0.683333333	50_75		
365	DUBLIN BL	0	0	1	1	1	3	0.5	1.8333333333		58	0.67777778	50_75		
649	DUBLIN BL	0	0	1	1	1	3	0.5	1.8333333333		59	0.672222222	50_75		
972	KEEGAN ST	0	0	1	1	1	3	0.2691345	1.8333333333		60	0.6666666667	50_75		
53	CENTRAL PW	0	0	1	1	0	2	0.5	1.6666666667		61	0.661111111	50_75		
79	AMADOR VALLEY BL	0	0	1	1	0	2	0.5	1.6666666667		62	0.655555556	50_75		
86	CENTRAL PW	0	0	1	1	0	2	0.5	1.6666666667		63	0.65	50_75		
110	AMADOR VALLEY BL	0	0	1	1	0	2	0.5	1.6666666667		64	0.6444444444	50_75		
129	AMADOR VALLEY BL	0	0	1	1	0	2	0.5	1.6666666667		65	0.638888889	50_75		
166	AMADOR VALLEY BL	0	0	1	1	0	2	0.5	1.6666666667		66	0.633333333	50_75		
174	AMADOR PLAZA RD	0	1	0	0	0	1	0.5	1.6666666667		67	0.627777778	50_75		
193	AMADOR VALLEY BL	0	0	1	1	0	2	0.5	1.6666666667		68	0.622222222	50_75		
204	CENTRAL PW	0	0	1	1	0	2	0.5	1.6666666667		69	0.6166666667	50_75		
241	ASPEN ST	0	0	1	1	0	2	0.3253174	1.6666666667		70	0.611111111	50_75		
278	AMADOR VALLEY BL	0	0	1	1	0	2	0.5	1.6666666667		71	0.605555556	50_75		
284	CENTRAL PW	0	0	1	1	0	2	0.5	1.6666666667		72	0.6	50_75		
330	CENTRAL PW	0	0	1	1	0	2	0.5	1.6666666667		73	0.5944444444	50_75		
413	DUBLIN BL	0	0	2	0	0	2	0.5	1.6666666667		74	0.588888889	50_75		
433	CLARK AV	0	0	1	1	0	2	0.2139419	1.6666666667		75	0.583333333	50_75		
818	LOCUST PL N	0	1	0	0	0	1	0.1212688	1.6666666667		76	0.577777778	50_75		
907	HILLBROOK PL	1	0	0	0	0	1	0.2892606	1.6666666667		77	0.572222222	50_75		
1029	SAN RAMON RD	0	1	0	0	0	1	0.5	1.6666666667		78	0.5666666667	50_75		
1072	ROLLING HILLS DR	0	1	0	0	0	1	0.5	1.6666666667		79	0.561111111	50_75		
1081	SAN RAMON RD	0	1	0	0	0	1	0.5	1.6666666667		80	0.555555556	50_75		

FID	Street	Severe Injury Crashes			Moderate Injury Crashes			Minor Injury Crashes			PDO Crashes	Total Crashes	Segment Length	Annualized EqPDO Score			Rank	Percentile	Percentile Group
		Fatal Crashes	Injury Crashes	Crashes	Fatal Crashes	Injury Crashes	Crashes	Fatal Crashes	Injury Crashes	Crashes				EqPDO Score	Rank				
1167	TYNE CT	0	1	0	0	0	0	1	0	0	1	0.03766	1.666666667	81	0.55 50_75				
1186	SAN RAMON RD	0	1	0	0	0	0	1	0.5	1.666666667	82	0.544444444 50_75							
1266	ROLLING HILLS DR	0	1	0	0	0	0	1	0.5	1.666666667	83	0.538888889 50_75							
1300	TAMARACK DR	0	0	2	0	0	0	2	0.5	1.666666667	84	0.533333333 50_75							
1312	PENN DR	0	1	0	0	0	0	1	0.3329521	1.666666667	85	0.527777778 50_75							
1320	SAN RAMON RD	0	1	0	0	0	0	1	0.5	1.666666667	86	0.522222222 50_75							
1344	SIERRA CT	0	0	1	1	0	0	2	0.5	1.666666667	87	0.516666667 50_75							
1355	SAN RAMON RD	0	1	0	0	0	0	1	0.5	1.666666667	88	0.511111111 50_75							
1363	VOMAC RD	0	1	0	0	0	0	1	0.4393404	1.666666667	89	0.505555556 50_75							
1426	W VOMAC RD	0	1	0	0	0	0	1	0.456675	1.666666667	90	0.5 50_75							
1465	VILLAGE PW	0	0	2	0	0	0	2	0.5	1.666666667	91	0.494444444 50_75							
1467	WINDING TRAIL LN	0	1	0	0	0	0	1	0.027529	1.666666667	92	0.488888889 50_75							
1471	VILLAGE PW	0	0	2	0	0	0	2	0.5	1.666666667	93	0.483333333 50_75							
1479	VILLAGE PW	0	0	2	0	0	0	2	0.5	1.666666667	94	0.477777778 50_75							
1493	VILLAGE PW	0	0	2	0	0	0	2	0.5	1.666666667	95	0.472222222 50_75							
52	BRIGHTON DR	0	0	1	0	1	1	2	0.5	1	96	0.466666667 0_50							
58	CENTRAL PW	0	0	1	0	1	1	2	0.5	1	97	0.461111111 0_50							
105	ANTONE WY	0	0	0	1	1	1	2	0.3626265	1	98	0.455555556 0_50							
124	CENTRAL PW	0	0	1	0	1	1	2	0.5	1	99	0.45 0_50							
128	CENTRAL PW	0	0	1	0	1	1	2	0.5	1	100	0.444444444 0_50							
186	BRIGHTON DR	0	0	1	0	1	1	2	0.5	1	101	0.438888889 0_50							
192	CENTRAL PW	0	0	1	0	1	1	2	0.5	1	102	0.433333333 0_50							
251	BRIGHTON DR	0	0	1	0	1	1	2	0.5	1	103	0.427777778 0_50							
317	BRIGHTON DR	0	0	1	0	1	1	2	0.5	1	104	0.422222222 0_50							
323	CENTRAL PW	0	0	1	0	1	1	2	0.5	1	105	0.416666667 0_50							
401	HACIENDA DR	0	0	1	0	1	1	2	0.5	1	106	0.411111111 0_50							
428	GRAFTON ST	0	0	0	1	1	1	2	0.5	1	107	0.405555556 0_50							
429	DUBLIN BL	0	0	0	1	1	1	2	0.5	1	108	0.4 0_50							
538	DUBLIN BL	0	0	1	0	1	1	2	0.5	1	109	0.394444444 0_50							
892	MYRTLE DR	0	0	0	1	1	1	2	0.1348713	1	110	0.388888889 0_50							
986	LEE THOMPSON ST	0	0	1	0	1	1	2	0.2958484	1	111	0.383333333 0_50							
1024	SAINT PATRICK WY	0	0	1	0	1	1	2	0.3965917	1	112	0.377777778 0_50							
1156	TOYOTA DR	0	0	0	1	1	1	2	0.1965035	1	113	0.372222222 0_50							
1451	VILLAGE PW	0	0	0	1	1	1	2	0.5	1	114	0.366666667 0_50							
68	AMANDA ST	0	0	1	0	0	0	1	0.1037903	0.833333333	115	0.361111111 0_50							
80	CANTERBURY LN	0	0	0	1	1	0	1	0.5	0.833333333	116	0.355555556 0_50							
98	CAMPBELL GREEN	0	0	0	1	1	0	1	0.0255053	0.833333333	117	0.35 0_50							
167	CHARLTON CT	0	0	1	0	0	0	1	0.0127258	0.833333333	118	0.344444444 0_50							
194	CAMPBELL LN	0	0	1	0	0	0	1	0.1909359	0.833333333	119	0.338888889 0_50							
249	BRIGHTON DR	0	0	1	0	0	0	1	0.5	0.833333333	120	0.333333333 0_50							
257	BRIGHTON DR	0	0	1	0	0	0	1	0.5	0.833333333	121	0.327777778 0_50							
306	CANTERBURY LN	0	0	0	1	0	0	1	0.5	0.833333333	122	0.322222222 0_50							
341	DUBLIN BL	0	0	0	1	0	0	1	0.5	0.833333333	123	0.316666667 0_50							
346	HARTLAND LN	0	0	0	1	0	0	1	0.0431559	0.833333333	124	0.311111111 0_50							
357	DAVONA DR	0	0	0	1	0	0	1	0.5	0.833333333	125	0.305555556 0_50							
376	E CANTARA DR	0	0	0	1	0	0	1	0.1453459	0.833333333	126	0.3 0_50							
380	DUBLIN BL	0	0	1	0	0	0	1	0.5	0.833333333	127	0.294444444 0_50							
421	DUBLIN BL	0	0	0	1	0	0	1	0.5	0.833333333	128	0.288888889 0_50							
426	CIVIC PZ	0	0	1	0	0	0	1	0.2322135	0.833333333	129	0.283333333 0_50							
435	DUBLIN BL	0	0	1	0	0	0	1	0.5	0.833333333	130	0.277777778 0_50							
447	DAVONA DR	0	0	0	1	0	0	1	0.5	0.833333333	131	0.272222222 0_50							
474	DUBLIN BL	0	0	1	0	0	0	1	0.5	0.833333333	132	0.266666667 0_50							
514	DUBLIN BL	0	0	0	1	0	0	1	0.5	0.833333333	133	0.261111111 0_50							
547	HARTLAND CT	0	0	0	1	0	0	1	0.0415387	0.833333333	134	0.255555556 0_50							
568	DUBLIN BL	0	0	1	0	0	0	1	0.5	0.833333333	135	0.25 0_50							
588	DUBLIN BL	0	0	1	0	0	0	1	0.5	0.833333333	136	0.244444444 0_50							
603	DUBLIN BL	0	0	1	0	0	0	1	0.5	0.833333333	137	0.238888889 0_50							
614	HACIENDA DR	0	0	1	0	0	0	1	0.5	0.833333333	138	0.233333333 0_50							
616	DUBLIN BL	0	0	0	1	0	0	1	0.5	0.833333333	139	0.227777778 0_50							
617	FOXCROFT WY	0	0	1	0	0	0	1	0.061691	0.833333333	140	0.222222222 0_50							
657	DUBLIN BL	0	0	0	1	0	0	1	0.5	0.833333333	141	0.216666667 0_50							
705	DUBLIN BL	0	0	1	0	0	0	1	0.5	0.833333333	142	0.211111111 0_50							
734	DUBLIN BL	0	0	1	0	0	0	1	0.5	0.833333333	143	0.205555556 0_50							
737	GOLDEN GATE DR	0	0	1	0	0	0	1	0.2084345	0.833333333	144	0.2 0_50							
738	GROVELAND LN	0	0	1	0	0	0	1	0.0417226	0.833333333	145	0.194444444 0_50							
779	LOCKHART ST	0	0	0	1	0	0	1	0.5	0.833333333	146	0.188888889 0_50							
792	OAK BLUFF LN	0	0	1	0	0	0	1	0.2777243	0.833333333	147	0.183333333 0_50							
805	N SPAGO DR	0	0	0	1	0	0	1	0.1618169	0.833333333	148	0.177777778 0_50							
820	N DUBLIN RANCH DR	0	0	1	0	0	0	1	0.5	0.833333333	149	0.172222222 0_50							
845	HIBERNIA DR	0	0	1	0	0	0	1	0.3222054	0.833333333	150	0.166666667 0_50							
853	LEWIS AV	0	0	0	1	0	0	1	0.0782577	0.833333333	151	0.161111111 0_50							
887	LOCKHART ST	0	0	0	1	0	0	1	0.5	0.833333333	152	0.155555556 0_50							
913	N DUBLIN RANCH DR	0	0	1	0	0	0	1	0.5	0.833333333	153	0.15 0_50							
925	LOCKHART ST	0	0	0	1	0	0	1	0.5	0.833333333	154	0.144444444 0_50							
957	IRONHORSE PW	0	0	0	1	0	0	1	0.3890455	0.833333333	155	0.138888889 0_50							
1001	MARTINELLI WY	0	0	0	1	0	0	1	0.5	0.833333333	156	0.133333333 0_50							
1094	SIERRA CT	0	0	0	1	0	0	1	0.5	0.833333333	157	0.127777778 0_50							
1099	PALERMO WY	0	0	0	1														

FID	Street	Severe Injury Crashes		Moderate Injury Crashes		Minor Injury Crashes		PDO Crashes	Total Crashes	Segment Length	Annualized EqPDO Score		Rank	Percentile		Percentile Group
		Fatal Crashes	Injury Crashes	Moderate Injury Crashes	Minor Injury Crashes	PDO Crashes	Total Crashes				EqPDO Score	Rank		Percentile	Percentile Group	
1136	TASSAJARA RD	0	0	0	1	0	1	0.5	0.833333333	161	0.105555556	0_50				
1155	SAN RAMON RD	0	0	1	0	0	1	0.5	0.833333333	162	0.1	0_50				
1192	SIERRA CT	0	0	0	1	0	1	0.5	0.833333333	163	0.094444444	0_50				
1197	SAN RAMON RD	0	0	1	0	0	1	0.5	0.833333333	164	0.088888889	0_50				
1218	TAMARACK DR	0	0	1	0	0	1	0.5	0.833333333	165	0.083333333	0_50				
1260	TASSAJARA RD	0	0	0	1	0	1	0.5	0.833333333	166	0.077777778	0_50				
1324	SUTTON LN	0	0	0	1	0	1	0.1856974	0.833333333	167	0.072222222	0_50				
1422	VILLAGE PW	0	0	1	0	0	1	0.5	0.833333333	168	0.066666667	0_50				
1446	VILLAGE PW	0	0	1	0	0	1	0.5	0.833333333	169	0.061111111	0_50				
1457	UNNAMED	0	0	1	0	0	1	0.0515973	0.833333333	170	0.055555556	0_50				
1484	WICKLOW LN	0	0	0	1	0	1	0.4141705	0.833333333	171	0.05	0_50				
203	BRIGHTON DR	0	0	0	0	1	1	0.5	0.166666667	172	0.044444444	0_50				
268	BROOKDALE CT	0	0	0	0	1	1	0.0938058	0.166666667	173	0.038888889	0_50				
361	DUBLIN BL	0	0	0	0	1	1	0.5	0.166666667	174	0.033333333	0_50				
572	HACIENDA CROSSING	0	0	0	0	1	1	0.3605973	0.166666667	175	0.027777778	0_50				
888	MANSFIELD AV	0	0	0	0	1	1	0.2744785	0.166666667	176	0.022222222	0_50				
1013	MARTINELLI WY	0	0	0	0	1	1	0.5	0.166666667	177	0.016666667	0_50				
1205	SHADOW PL	0	0	0	0	1	1	0.0251716	0.166666667	178	0.011111111	0_50				
1325	SHADOW DR	0	0	0	0	1	1	0.1588817	0.166666667	179	0.005555556	0_50				
1487	UNNAMED	0	0	0	0	1	1	0.0811947	0.166666667	180	0	0_50				

FID	Street	Crash Type			Total Crashes	Segment Length	Crash Metrics			Percentile Rank	Percentile Group
		Fatal Crashes	Severe Injury Crashes	Moderate Injury Crashes			PDO Crashes	Total Crashes	Segment Length		
624	DUBLIN BL	1	1	2	2	0	6	0.5	1	6.666666667	1 0.994252874 90_100
1439	VILLAGE PW	0	1	4	1	1	7	0.5	1.166666667	6	2 0.988505747 90_100
454	DUBLIN BL	0	0	3	3	4	10	0.5	1.666666667	5.666666667	3 0.982758621 90_100
674	DUBLIN BL	0	0	3	3	3	9	0.5	1.5	5.5	4 0.977011494 90_100
461	DUBLIN BL	1	1	0	2	0	4	0.5	0.666666667	5	5 0.971264368 90_100
572	DUBLIN BL	1	1	0	2	0	4	0.5	0.666666667	5	6 0.965517241 90_100
1422	VILLAGE PW	0	1	4	0	0	5	0.5	0.833333333	5	7 0.959770115 90_100
1451	VILLAGE PW	0	1	4	0	0	5	0.5	0.833333333	5	8 0.954022989 90_100
1478	VILLAGE PW	0	1	4	0	0	5	0.5	0.833333333	5	9 0.948275862 90_100
355	DUBLIN BL	0	0	2	3	2	7	0.5	1.166666667	4.5	10 0.942528736 90_100
1360	VILLAGE PW	0	0	2	3	1	6	0.5	1	4.333333333	11 0.936781609 90_100
1455	VILLAGE PW	0	0	2	3	1	6	0.5	1	4.333333333	12 0.931034483 90_100
1463	VILLAGE PW	0	0	3	2	1	6	0.5	1	4.333333333	13 0.925287356 90_100
19	ARNOLD RD	1	1	0	1	0	3	0.5	0.5	4.166666667	14 0.91954023 90_100
40	ARNOLD RD	1	1	0	1	0	3	0.5	0.5	4.166666667	15 0.913793103 90_100
215	ARNOLD RD	1	1	0	1	0	3	0.5	0.5	4.166666667	16 0.908045977 90_100
543	DUBLIN BL	1	1	0	1	0	3	0.5	0.5	4.166666667	17 0.902298851 90_100
644	DUBLIN BL	1	1	0	1	0	3	0.5	0.5	4.166666667	18 0.896551724 90_100
559	DUBLIN BL	0	0	2	2	3	7	0.5	1.166666667	3.833333333	19 0.890804598 75_90
745	DUBLIN BL	0	0	2	2	3	7	0.5	1.166666667	3.833333333	20 0.885057471 75_90
1470	VILLAGE PW	0	0	2	2	2	6	0.5	1	3.666666667	21 0.879310345 75_90
1380	VILLAGE PW	0	1	2	0	0	3	0.5	0.5	3.333333333	22 0.873563218 75_90
89	AMADOR VALLEY BL	0	0	2	1	1	4	0.5	0.666666667	2.666666667	23 0.867816092 75_90
182	AMADOR VALLEY BL	0	0	2	1	1	4	0.5	0.666666667	2.666666667	24 0.862068966 75_90
1366	VILLAGE PW	0	0	1	2	1	4	0.5	0.666666667	2.666666667	25 0.856321839 75_90
54	AMADOR VALLEY BL	0	0	2	1	0	3	0.5	0.5	2.5	26 0.850574713 75_90
251	AMADOR VALLEY BL	0	0	2	1	0	3	0.5	0.5	2.5	27 0.844827586 75_90
363	DUBLIN BL	0	0	2	1	0	3	0.5	0.5	2.5	28 0.83908046 75_90
533	DUBLIN BL	0	0	2	1	0	3	0.5	0.5	2.5	29 0.833333333 75_90
1387	VILLAGE PW	0	0	1	2	0	3	0.5	0.5	2.5	30 0.827586207 75_90
507	DUBLIN BL	0	0	1	1	4	6	0.5	1	2.333333333	31 0.82183908 75_90
723	DUBLIN BL	0	0	1	1	4	6	0.5	1	2.333333333	32 0.816091954 75_90
1412	VILLAGE PW	0	0	1	1	2	4	0.5	0.666666667	2	33 0.810344828 75_90
440	HACIENDA DR	0	0	2	0	1	3	0.5	0.5	1.833333333	34 0.804597701 75_90
524	DUBLIN BL	0	0	0	2	1	3	0.5	0.5	1.833333333	35 0.798850575 75_90
550	HACIENDA DR	0	0	2	0	1	3	0.5	0.5	1.833333333	36 0.793103448 75_90
555	DUBLIN BL	0	0	0	2	1	3	0.5	0.5	1.833333333	37 0.787356322 75_90
592	DUBLIN BL	0	0	0	2	1	3	0.5	0.5	1.833333333	38 0.781609195 75_90
602	HACIENDA DR	0	0	2	0	1	3	0.5	0.5	1.833333333	39 0.775862069 75_90
610	DUBLIN BL	0	0	0	2	1	3	0.5	0.5	1.833333333	40 0.770114943 75_90
639	HACIENDA DR	0	0	2	0	1	3	0.5	0.5	1.833333333	41 0.764367816 75_90
683	DUBLIN BL	0	0	0	2	1	3	0.5	0.5	1.833333333	42 0.75862069 75_90
136	AMADOR VALLEY BL	0	0	1	1	1	3	0.5	0.5	1.833333333	43 0.752873563 75_90
224	AMADOR VALLEY BL	0	0	1	1	1	3	0.5	0.5	1.833333333	44 0.747126437 75_90
331	AMADOR VALLEY BL	0	0	1	1	1	3	0.5	0.5	1.833333333	45 0.74137931 75_90
1075	TAMARACK DR	0	0	1	1	1	3	0.5	0.5	1.833333333	46 0.735632184 75_90
1090	TAMARACK DR	0	0	1	1	1	3	0.5	0.5	1.833333333	47 0.729885057 75_90
1097	TAMARACK DR	0	0	1	1	1	3	0.5	0.5	1.833333333	48 0.724137931 75_90
1113	TAMARACK DR	0	0	1	1	1	3	0.5	0.5	1.833333333	49 0.718390805 75_90
1235	TAMARACK DR	0	0	1	1	1	3	0.5	0.5	1.833333333	50 0.712643678 75_90
2	BRIGHTON DR	0	0	2	0	0	2	0.5	0.333333333	1.666666667	51 0.706896552 50_75
41	AMADOR VALLEY BL	0	0	1	1	0	2	0.5	0.333333333	1.666666667	52 0.701149425 50_75
44	BRIGHTON DR	0	0	2	0	0	2	0.5	0.333333333	1.666666667	53 0.695402299 50_75
58	BRIGHTON DR	0	0	2	0	0	2	0.5	0.333333333	1.666666667	54 0.689655172 50_75
72	BRIGHTON DR	0	0	2	0	0	2	0.5	0.333333333	1.666666667	55 0.683908046 50_75
97	CENTRAL PW	0	0	1	1	0	2	0.5	0.333333333	1.666666667	56 0.67816092 50_75
189	CENTRAL PW	0	0	1	1	0	2	0.5	0.333333333	1.666666667	57 0.672413793 50_75
217	BRIGHTON DR	0	0	2	0	0	2	0.5	0.333333333	1.666666667	58 0.666666667 50_75
292	BRIGHTON DR	0	0	2	0	0	2	0.5	0.333333333	1.666666667	59 0.66091954 50_75
329	CENTRAL PW	0	0	1	1	0	2	0.5	0.333333333	1.666666667	60 0.655172414 50_75
346	FALLON RD	0	0	1	1	0	2	0.5	0.333333333	1.666666667	61 0.649425287 50_75
424	DUBLIN BL	0	0	2	0	0	2	0.5	0.333333333	1.666666667	62 0.643678161 50_75
464	DUBLIN BL	0	0	2	0	0	2	0.5	0.333333333	1.666666667	63 0.637931034 50_75
598	FALLON RD	0	0	1	1	0	2	0.5	0.333333333	1.666666667	64 0.632183908 50_75
754	FALLON RD	0	0	1	1	0	2	0.5	0.333333333	1.666666667	65 0.626436782 50_75
782	HIBERNIA DR	0	0	2	0	0	2	0.3222054	0.333333333	1.666666667	66 0.620689655 50_75
1287	REGIONAL ST	0	0	1	1	0	2	0.402237	0.333333333	1.666666667	67 0.614942529 50_75
1445	VILLAGE PW	0	0	1	1	0	2	0.5	0.333333333	1.666666667	68 0.609195402 50_75
731	DUBLIN BL	0	0	1	0	3	4	0.5	0.666666667	1.333333333	69 0.603448276 50_75
133	AMADOR VALLEY BL	0	0	1	0	2	3	0.5	0.5	1.166666667	70 0.597701149 50_75
194	AMADOR VALLEY BL	0	0	1	0	2	3	0.5	0.5	1.166666667	71 0.591954023 50_75
235	AMADOR VALLEY BL	0	0	1	0	2	3	0.5	0.5	1.166666667	72 0.586206897 50_75
334	GRAFTON ST	0	0	0	1	2	3	0.5	0.5	1.166666667	73 0.58045977 50_75
446	DUBLIN BL	0	0	0	1	2	3	0.5	0.5	1.166666667	74 0.574712644 50_75
613	DUBLIN BL	0	0	0	1	2	3	0.5	0.5	1.166666667	75 0.568965517 50_75
43	BRANNIGAN ST	0	0	0	1	1	2	0.5	0.333333333	1	76 0.563218391 50_75
80	CENTRAL PW	0	0	1	0	1	2	0.5	0.333333333	1	77 0.557471264 50_75
111	CENTRAL PW	0	0	1	0	1	2	0.5	0.333333333	1	78 0.551724138 50_75
156	BRANNIGAN ST	0	0	0	1	1	2	0.5	0.333333333	1	79 0.545977011 50_75
237	BRANNIGAN ST	0	0	0	1	1	2	0.5	0.333333333	1	80 0.540229885 50_75

FID	Street	Crash Type			Total Crashes	Segment Length	Crash Metrics			Rank	Percentile Group	
		Fatal Crashes	Severe Injury Crashes	Moderate Injury Crashes			PDO Crashes	Total Crashes	Segment Length		Percentile	Group
264	CENTRAL PW	0	0	1	0	1	2	0.5	0.333333333	1	81	0.534482759 50_75
311	AMADOR VALLEY BL	0	0	1	0	1	2	0.5	0.333333333	1	82	0.528735632 50_75
328	AMADOR VALLEY BL	0	0	1	0	1	2	0.5	0.333333333	1	83	0.522988506 50_75
337	GLEASON DR	0	0	0	1	1	2	0.5	0.333333333	1	84	0.517241379 50_75
383	GLEASON DR	0	0	0	1	1	2	0.5	0.333333333	1	85	0.511494253 50_75
410	DUBLIN BL	0	0	0	1	1	2	0.5	0.333333333	1	86	0.505747126 50_75
416	HACIENDA DR	0	0	1	0	1	2	0.5	0.333333333	1	87	0.5 50_75
451	GLEASON DR	0	0	0	1	1	2	0.5	0.333333333	1	88	0.494252874 50_75
480	DUBLIN BL	0	0	0	1	1	2	0.5	0.333333333	1	89	0.488505747 50_75
482	GRAFTON ST	0	0	0	1	1	2	0.5	0.333333333	1	90	0.482758621 50_75
509	GLEASON DR	0	0	0	1	1	2	0.5	0.333333333	1	91	0.477011494 50_75
513	DUBLIN BL	0	0	0	1	1	2	0.5	0.333333333	1	92	0.471264368 50_75
539	GRAFTON ST	0	0	0	1	1	2	0.5	0.333333333	1	93	0.465517241 50_75
553	GLEASON DR	0	0	0	1	1	2	0.5	0.333333333	1	94	0.459770115 50_75
585	DUBLIN BL	0	0	0	1	1	2	0.5	0.333333333	1	95	0.454022989 50_75
650	DUBLIN BL	0	0	0	1	1	2	0.5	0.333333333	1	96	0.448275862 50_75
1039	SAN RAMON RD	0	0	0	1	1	2	0.5	0.333333333	1	97	0.442528736 50_75
1189	SAN RAMON RD	0	0	0	1	1	2	0.5	0.333333333	1	98	0.436781609 50_75
49	CENTRAL PW	0	0	0	1	0	1	0.5	0.166666667	0.833333333	99	0.431034483 0_50
50	ASPEN ST	0	0	1	0	0	1	0.3253174	0.166666667	0.833333333	100	0.425287356 0_50
105	ASTERWOOD DR	0	0	1	0	0	1	0.2313162	0.166666667	0.833333333	101	0.41954023 0_50
117	AMADOR VALLEY BL	0	0	1	0	0	1	0.5	0.166666667	0.833333333	102	0.413793103 0_50
225	CENTRAL PW	0	0	1	0	0	1	0.5	0.166666667	0.833333333	103	0.408045977 0_50
267	BENT TREE DR	0	0	1	0	0	1	0.3832796	0.166666667	0.833333333	104	0.402298851 0_50
291	CENTRAL PW	0	0	0	1	0	1	0.5	0.166666667	0.833333333	105	0.396551724 0_50
304	CENTRAL PW	0	0	1	0	0	1	0.5	0.166666667	0.833333333	106	0.390804598 0_50
336	HASTINGS WY	0	0	0	1	0	1	0.0315332	0.166666667	0.833333333	107	0.385057471 0_50
360	DUBLIN BL	0	0	0	1	0	1	0.5	0.166666667	0.833333333	108	0.379310345 0_50
397	FALLON RD	0	0	0	1	0	1	0.5	0.166666667	0.833333333	109	0.373563218 0_50
435	FALLON RD	0	0	1	0	0	1	0.5	0.166666667	0.833333333	110	0.367816092 0_50
436	FORINO DR	0	0	0	1	0	1	0.5	0.166666667	0.833333333	111	0.362068966 0_50
473	DUBLIN BL	0	0	0	1	0	1	0.5	0.166666667	0.833333333	112	0.356321839 0_50
519	FALLON RD	0	0	0	1	0	1	0.5	0.166666667	0.833333333	113	0.350574713 0_50
536	FORINO DR	0	0	0	1	0	1	0.5	0.166666667	0.833333333	114	0.344827586 0_50
563	FALLON RD	0	0	0	1	0	1	0.5	0.166666667	0.833333333	115	0.33908046 0_50
618	CROAK RD	0	0	1	0	0	1	0.330384	0.166666667	0.833333333	116	0.333333333 0_50
627	FALLON RD	0	0	0	1	0	1	0.5	0.166666667	0.833333333	117	0.327586207 0_50
649	FALLON RD	0	0	0	1	0	1	0.5	0.166666667	0.833333333	118	0.32183908 0_50
682	CLARK AV	0	0	0	1	0	1	0.2139419	0.166666667	0.833333333	119	0.316091954 0_50
710	DUBLIN BL	0	0	0	1	0	1	0.5	0.166666667	0.833333333	120	0.310344828 0_50
730	DUBLIN BL	0	0	1	0	0	1	0.5	0.166666667	0.833333333	121	0.304597701 0_50
740	DAVONA DR	0	0	1	0	0	1	0.5	0.166666667	0.833333333	122	0.298850575 0_50
879	IRONHORSE PW	0	0	1	0	0	1	0.3890455	0.166666667	0.833333333	123	0.293103448 0_50
1047	TASSAJARA RD	0	0	1	0	0	1	0.5	0.166666667	0.833333333	124	0.287356322 0_50
1053	SAN RAMON RD	0	0	1	0	0	1	0.5	0.166666667	0.833333333	125	0.281609195 0_50
1086	TASSAJARA RD	0	0	1	0	0	1	0.5	0.166666667	0.833333333	126	0.275862069 0_50
1103	TASSAJARA RD	0	0	1	0	0	1	0.5	0.166666667	0.833333333	127	0.270114943 0_50
1122	POSITANO PW	0	0	0	1	0	1	0.5	0.166666667	0.833333333	128	0.264367816 0_50
1125	SAN RAMON RD	0	0	1	0	0	1	0.5	0.166666667	0.833333333	129	0.25862069 0_50
1152	SUMMER GLEN DR	0	0	1	0	0	1	0.4586498	0.166666667	0.833333333	130	0.252873563 0_50
1219	REDWOOD AV	0	0	1	0	0	1	0.1709642	0.166666667	0.833333333	131	0.247126437 0_50
1253	SAN RAMON RD	0	0	1	0	0	1	0.5	0.166666667	0.833333333	132	0.24137931 0_50
1254	TASSAJARA RD	0	0	1	0	0	1	0.5	0.166666667	0.833333333	133	0.235632184 0_50
1276	TWIN EAGLES LN	0	0	1	0	0	1	0.12372	0.166666667	0.833333333	134	0.229885057 0_50
1296	SAN RAMON RD	0	0	1	0	0	1	0.5	0.166666667	0.833333333	135	0.224137931 0_50
1307	SCARLETT DR	0	0	0	1	0	1	0.2489757	0.166666667	0.833333333	136	0.218390805 0_50
1323	SAN RAMON RD	0	0	1	0	0	1	0.5	0.166666667	0.833333333	137	0.212643678 0_50
1354	TASSAJARA RD	0	0	1	0	0	1	0.5	0.166666667	0.833333333	138	0.206896552 0_50
1372	VOMAC RD	0	0	1	0	0	1	0.4393404	0.166666667	0.833333333	139	0.201149425 0_50
1397	VALENTANO DR	0	0	0	1	0	1	0.5	0.166666667	0.833333333	140	0.195402299 0_50
1497	W VOMAC RD	0	0	1	0	0	1	0.456675	0.166666667	0.833333333	141	0.189655172 0_50
1498	VALENTANO DR	0	0	0	1	0	1	0.5	0.166666667	0.833333333	142	0.183908046 0_50
231	AMADOR PLAZA RD	0	0	0	0	3	3	0.5	0.5	0.5	143	0.17816092 0_50
606	DUBLIN BL	0	0	0	0	3	3	0.5	0.5	0.5	144	0.172413793 0_50
101	AMADOR PLAZA RD	0	0	0	0	2	2	0.5	0.333333333	0.333333333	145	0.166666667 0_50
341	DUBLIN BL	0	0	0	0	2	2	0.5	0.333333333	0.333333333	146	0.16091954 0_50
396	DOUGHERTY RD	0	0	0	0	2	2	0.5	0.333333333	0.333333333	147	0.155172414 0_50
406	DUBLIN BL	0	0	0	0	2	2	0.5	0.333333333	0.333333333	148	0.149425287 0_50
411	DOUGHERTY RD	0	0	0	0	2	2	0.5	0.333333333	0.333333333	149	0.143678161 0_50
444	DUBLIN BL	0	0	0	0	2	2	0.5	0.333333333	0.333333333	150	0.137931034 0_50
694	DUBLIN BL	0	0	0	0	2	2	0.5	0.333333333	0.333333333	151	0.132183908 0_50
750	DOUGHERTY RD	0	0	0	0	2	2	0.5	0.333333333	0.333333333	152	0.126436782 0_50
1012	LANCASTER RD	0	0	0	0	2	2	0.2953148	0.333333333	0.333333333	153	0.120689655 0_50
257	BRIGHTON DR	0	0	0	0	1	1	0.5	0.166666667	0.166666667	154	0.114942529 0_50
283	AMADOR VALLEY BL	0	0	0	0	1	1	0.5	0.166666667	0.166666667	155	0.109195402 0_50
295	CAPOTERRA WY	0	0	0	0	1	1	0.3317445	0.166666667	0.166666667	156	0.103448276 0_50
393	DUBLIN BL	0	0	0	0	1	1	0.5	0.166666667	0.166666667	157	0.097701149 0_50
455	DOUGHERTY RD	0	0	0	0	1	1	0.5	0.166666667	0.166666667	158	0.091954023 0_50
462	CLARINBRIDGE CI	0	0	0	0	1	1	0.0359862	0.166666667	0.166666667	159	0.086206897 0_50
548	DUBLIN BL	0	0	0	0	1	1	0.5	0.166666667	0.166666667	160	0.08045977 0_50

FID	Street	Severe			Moderate			Minor			Total Crashes	Segment Length	Crash Frequency (annual)			Annualized EqPDO Score		Rank	Percentile Group
		Fatal Crashes	Injury Crashes		Injury Crashes		PDO Crashes		Total Crashes										
637	CIVIC PZ	0	0	0	0	0	0	1	1	0.2322135	0.166666667	0.166666667	161	0.074712644	0_50				
668	DUBLIN BL	0	0	0	0	0	0	1	1	0.5	0.166666667	0.166666667	162	0.068965517	0_50				
736	DUBLIN BL	0	0	0	0	0	0	1	1	0.5	0.166666667	0.166666667	163	0.063218391	0_50				
849	KOHNNEN WY	0	0	0	0	0	0	1	1	0.2406822	0.166666667	0.166666667	164	0.057471264	0_50				
995	MARIPOSA CI	0	0	0	0	0	0	1	1	0.1274	0.166666667	0.166666667	165	0.051724138	0_50				
1026	SIERRA CT	0	0	0	0	0	0	1	1	0.5	0.166666667	0.166666667	166	0.045977011	0_50				
1182	PENN DR	0	0	0	0	0	0	1	1	0.3329521	0.166666667	0.166666667	167	0.040229885	0_50				
1200	STAGECOACH RD	0	0	0	0	0	0	1	1	0.5	0.166666667	0.166666667	168	0.034482759	0_50				
1282	STAGECOACH RD	0	0	0	0	0	0	1	1	0.5	0.166666667	0.166666667	169	0.028735632	0_50				
1290	SIERRA LN	0	0	0	0	0	0	1	1	0.3366714	0.166666667	0.166666667	170	0.022988506	0_50				
1341	S MARIPOSA LN	0	0	0	0	0	0	1	1	0.159664	0.166666667	0.166666667	171	0.017241379	0_50				
1347	STAGECOACH RD	0	0	0	0	0	0	1	1	0.5	0.166666667	0.166666667	172	0.011494253	0_50				
1362	WHITWORTH DR	0	0	0	0	0	0	1	1	0.2065178	0.166666667	0.166666667	173	0.005747126	0_50				
1490	UTICA CT	0	0	0	0	0	0	1	1	0.0663647	0.166666667	0.166666667	174	0	0_50				

Appendix B: Collision Database

City-provided database

TIMS Download

Involved With Bicycle

Count of Report No	Column Labels						
Row Labels	2014	2015	2016	2017	2018	2019	Grand Total
Fatal/Sev	1		2				3
Other	16	12	9	11	8	9	65
Grand Total	17	12	11	11	8	9	68

BICYCLE_ACCIDENT Y

Count of CASE_ID	Column Labels						
Row Labels	2014	2015	2016	2017	2018	2019	Grand Total
Fatal/Sev	1		2				3
Other	9	11	9	12	8	10	59
Grand Total	10	11	11	12	8	10	62

Involved With Pedestrian

PEDESTRIAN_ACCIDENT Y

Count of Report No	Column Labels						
Row Labels	2014	2015	2016	2017	2018	2019	Grand Total
Fatal/Sev	4	1	2	2	2	1	12
Other	8	12	8	11	16	14	69
Grand Total	12	13	10	13	18	15	81

Count of CASE_ID	Column Labels						
Row Labels	2014	2015	2016	2017	2018	2019	Grand Total
Fatal/Sev	3	1	1	2	1		8
Other	7	7	6	10	8	6	44
Grand Total	10	8	7	12	9	6	52

Report No	Collision date	Collision Ti Day	Location	Pedestrian Collisions													
				Distance	Direction	Lighting	Weather	Collision Type	Involved With	PCF	Hit and Run	Injury Deg	severity	Injured	Killed	Year	InjuredNum
D14-00306	2014-01-29	08:33	Wednesday TAMARACK DR - BURTON ST	100'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Auto R/W Violation	Hit & Run: Complaint	4 # Inj: 1	# Killed: 0	2014	1	0		
D14-00318	2014-01-30	16:36	Thursday AMADOR VALLEY BL - BURTON ST	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Auto R/W Violation	Hit & Run: Complaint	4 # Inj: 1	# Killed: 0	2014	1	0		
D14-00769	2014-03-13	12:17	Thursday TOYOTA DR - DUBLIN BL	6'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Unknown	Hit & Run: Complaint	4 # Inj: 1	# Killed: 0	2014	1	0		
D14-00980	2014-04-02	13:33	Wednesday DUBLIN BL - DUBLIN CT	242'	Direction: Daylight	Cloudy	Vehicle - Pedestrian	Pedestrian	Auto R/W Violation	Hit & Run: Severe Inju	2 # Inj: 1	# Killed: 0	2014	1	0		
D14-01226	2014-04-23	10:06	Wednesday TASSAJARA RD - DUBLIN BL	14'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Auto R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2014	1	0		
D14-02675	2014-09-15	07:58	Monday VILLAGE PW - BRIGHTON DR	3'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2014	1	0		
D14-02703	2014-09-17	09:54	Wednesday LOCUST PL N - WINEBERRY WY	336'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Severe Inji	2 # Inj: 0	# Killed: 0	2014	0	0		
D14-02791	2014-09-26	10:42	Friday BENT TREE DR - TWIN EAGLES LN	10'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Auto R/W Violation	Hit & Run: Severe Inju	2 # Inj: 1	# Killed: 0	2014	1	0		
D14-02824	2014-09-29	15:38	Monday VILLAGE PW - LEWIS AV	50'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Improper Turning	Hit & Run: Complaint	4 # Inj: 1	# Killed: 0	2014	1	0		
D14-02883	2014-10-04	00:10	Saturday ARNOLD RD - DUBLIN BL	0'	Direction: Dark - Street Lights	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Complaint	4 # Inj: 1	# Killed: 0	2014	1	0		
D14-03027	2014-10-17	11:37	Friday AMADOR VALLEY BL - REGIONAL ST	348'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Auto R/W Violation	Hit & Run: Complaint	4 # Inj: 1	# Killed: 0	2014	1	0		
D14-03410	2014-11-22	21:09	Saturday DUBLIN BL - REGIONAL ST	0'	Direction: Dark - Street Lights	Cloudy	Vehicle - Pedestrian	Pedestrian	Auto R/W Violation	Hit & Run: Severe Inju	2 # Inj: 2	# Killed: 0	2014	2	0		
D1500341	2015-02-04	18:20	Wednesday SAN RAMON RD - VOMAC RD	0'	Direction: Dark - Street Lights	Clear	Vehicle - Pedestrian	Pedestrian	Unknown	Hit & Run: Severe Inju	2 # Inj: 1	# Killed: 0	2015	1	0		
D1500799	2015-03-20	08:44	Friday TAMARACK DR - AMANDA ST	83'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Unknown	Hit & Run: Other Visik	3 # Inj: 2	# Killed: 0	2015	2	0		
D1500864	2015-03-25	14:51	Wednesday VILLAGE PW - BRIGHTON DR	660'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Auto R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2015	1	0		
D1501259	2015-05-02	14:00	Saturday BRIDGEPOINTE LN - HARTLAND LN	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Unknown	Hit & Run: Complaint	4 # Inj: 1	# Killed: 0	2015	1	0		
D1501579	2015-06-05	11:41	Friday SAN RAMON RD - DUBLIN BL	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Auto R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2015	1	0		
D1501650	2015-06-12	15:50	Friday VILLAGE PW - DUBLIN BL	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Property D	0 # Inj: 0	# Killed: 0	2015	0	0		
D1501739	2015-06-21	19:42	Sunday DUBLIN BL - GLYNNS ROSE DR	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Property D	0 # Inj: 0	# Killed: 0	2015	0	0		
D1501807	2015-06-29	08:50	Monday DUBLIN RANCH DR - OAK BLUFF LN	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2015	1	0		
D1502220	2015-08-07	09:16	Friday CHARLTON CT - FOXCROFT WY	46'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Unknown	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2015	1	0		
D1502301	2015-08-15	13:04	Saturday REGIONAL ST - AMADOR VALLEY BL	13'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2015	1	0		
D1502700	2015-09-23	08:25	Wednesday VILLAGE PW - AMADOR VALLEY BL	229'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Auto R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2015	1	0		
D1502752	2015-09-27	11:37	Sunday REGIONAL ST - SAINT PATRICK WY	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Other Improper Driving	Hit & Run: Property D	0 # Inj: 0	# Killed: 0	2015	0	0		
D1503346	2015-11-22	15:46	Sunday VILLAGE PW - TAMARACK DR	30'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2015	1	0		
D1601088	2016-04-19	13:31	Tuesday DUBLIN BL - CLARK AV	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2016	1	0		
D1601144	2016-04-25	22:59	Monday DUBLIN BL - ARNOLD RD	0'	Direction: Dark - Street Lights	Clear	Vehicle - Pedestrian	Pedestrian	Not Stated	Hit & Run: Fatal	1 # Inj: 1	# Killed: 1	2016	1	1		
D1601267	2016-05-08	01:04	Sunday PENN DR - TYNE CT	0'	Direction: Dark - Street Lights Not F	Cloudy	Vehicle - Pedestrian	Pedestrian	Not Stated	Hit & Run: Severe Inju	2 # Inj: 2	# Killed: 0	2016	2	0		
D1601647	2016-06-13	12:29	Monday DUBLIN BL - SIERRA CT	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2016	1	0		
D1601861	2016-07-01	23:31	Friday ARNOLD RD - DUBLIN BL	0'	Direction: Dark - Street Lights	Clear	Vehicle - Pedestrian	Pedestrian	Not Stated	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2016	1	0		
D1601956	2016-07-13	10:10	Wednesday DUBLIN BL - REGIONAL ST	26'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Property D	0 # Inj: 0	# Killed: 0	2016	0	0		
D1602786	2016-09-21	14:07	Wednesday CANTARA DR - SPAGO DR (N)	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Unknown	Hit & Run: Complaint	4 # Inj: 1	# Killed: 0	2016	1	0		
D1602817	2016-09-24	17:24	Saturday HACIENDA CROSSING - HACIENDA DR	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Unknown	Hit & Run: Property D	0 # Inj: 0	# Killed: 0	2016	0	0		
D1603327	2016-11-06	17:00	Sunday DUBLIN BL - TASSAJARA RD	12'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2016	1	0		
D1603835	2016-12-16	17:50	Friday AMADOR PLAZA RD - AMADOR VALLEY BL	0'	Direction: Dusk - Dawn	Clear	Vehicle - Pedestrian	Pedestrian	Unknown	Hit & Run: Property D	0 # Inj: 0	# Killed: 0	2016	0	0		
D1700553	2017-02-17	15:49	Friday SHADOW DR - SHADOW PL	150'	Direction: Daylight	Raining	Vehicle - Pedestrian	Pedestrian	Unsafe Starting or Backing	Hit & Run: Property D	0 # Inj: 0	# Killed: 0	2017	0	0		
D1701856	2017-06-13	09:06	Tuesday HACIENDA DR - DUBLIN BL	0'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Improper Passing	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2017	1	0		
D1702023	2017-06-28	12:13	Wednesday CAMPBELL LN - DUBLIN BL	12'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Ped R/W Violation	Hit & Run: Other Visik	3 # Inj: 1	# Killed: 0	2017	1	0		
D1702661	2017-08-19	16:19	Saturday SUTTON LN - CANTERBURY LN (E)	102'	Direction: Daylight	Clear	Vehicle - Pedestrian	Pedestrian	Auto R/W Violation	Hit & Run: Complaint	4 # Inj: 1	# Killed: 0	2017	1	0		
D1702791	2017-08-30	18:58	Wednesday ROLLING HILLS DR - WINDING TRAIL LN	0'	Direction: Dusk - Dawn	Clear	Vehicle - Pedestrian	Pedestrian	Unsafe Speed	Hit & Run: Severe Inju	2 # Inj: 2	# Killed: 0	2017	2	0		
D1702823	2017-09-02	18:39	Saturday VILLAGE PW - AMADOR VALLEY BL	0'	Direction: Dusk - Dawn	Clear	Vehicle - Pedestrian	Pedestrian	Pedestrian Violation	Hit & Run: Complaint	4 # Inj: 1	# Killed: 0	2017	1	0		
D1702941																	

		Bicycle Collisions															InjuredNumber	KilledNumber
Report No	Collision date	Time	Day	Location	Distance	Direction	Lighting	Weather	Collision	Involved	Hit and				Year	Street1	Street2	Address
D14-00229	2014-01-22	18:21	Wednesday	DUBLIN BL - DOUGHERTY RD	0'	Direction: Not Stated	Daylight	Clear	Bicycle	Other	Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2014	DUBLIN BL DOUGHER DUBLIN BL	0	0	
D14-00842	2014-03-17	10:15	Monday	DUBLIN BL - TASSAJARA RD	365'	Direction: West	Dark - Street Lights	Clear	Bicycle	Unknown	Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2014	DUBLIN BL TASSAJAR DUBLIN BL	0	0	
D14-01146	2014-04-16	15:35	Wednesday	HACIENDA DR - CENTRAL PW	464'	Direction: North	Daylight	Clear	Bicycle	Unsafe Spe Hit & Run:	Other Visible Injury	3 # Inj: 1	# Killed: 0	2014	HACIENDA CENTRAL I HACIENDA	1	0	
D14-01364	2014-05-08	10:30	Thursday	DUBLIN BL - SIERRA CT	201'	Direction: East	Daylight	Cloudy	Bicycle	Improper T	Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2014	DUBLIN BL SIERRA CT DUBLIN BL	0	0	
D14-01373	2014-05-08	19:00	Thursday	DUBLIN BL - CLARINBRIDGE CI	0'	Direction: Not Stated	Daylight	Clear	Bicycle	Improper T	Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2014	DUBLIN BL CLARINBR DUBLIN BL	0	0	
D14-01900	2014-06-25	15:08	Wednesday	DUBLIN BL - SCARLETT DR	0'	Direction: West	Daylight	Clear	Broadside	Bicycle	Unknown	Hit & Run: Complaint of Pain	4 # Inj: 1	# Killed: 0	2014	DUBLIN BL SCARLETT DUBLIN BL	1	0
D14-02193	2014-07-23	19:24	Wednesday	DUBLIN BL - SAN RAMON RD	10'	Direction: West	Daylight	Clear	Bicycle	Auto R/W	'Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2014	DUBLIN BL SAN RAMC DUBLIN BL	0	0	
D14-02228	2014-07-26	16:56	Saturday	DUBLIN BL - HIBERNIA DR	16'	Direction: East	Daylight	Clear	Bicycle	Auto R/W	'Hit & Run: Other Visible Injury	3 # Inj: 1	# Killed: 0	2014	DUBLIN BL HIBERNIA DUBLIN BL	1	0	
D14-02255	2014-07-30	06:51	Wednesday	DUBLIN BL - ARNOLD RD	0'	Direction: Not Stated	Daylight	Clear	Bicycle	Auto R/W	'Hit & Run: Fatal	1 # Inj: 0	# Killed: 1	2014	DUBLIN BL ARNOLD R DUBLIN BL	0	1	
D14-02634	2014-09-10	17:26	Wednesday	DUBLIN BL - SAN RAMON RD	100'	Direction: West	Daylight	Clear	Bicycle	Unsafe Sta	Hit & Run: Complaint of Pain	4 # Inj: 1	# Killed: 0	2014	DUBLIN BL SAN RAMC DUBLIN BL	1	0	
D14-02645	2014-09-11	15:23	Thursday	LANCASTER RD - UTICA CT	40'	Direction: East	Daylight	Clear	Bicycle	Other	Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2014	LANCASTEI UTICA CT LANCASTEI	0	0	
D14-02674	2014-09-15	07:23	Monday	VILLAGE PW - BRIGHTON DR	464'	Direction: North	Daylight	Clear	Bicycle	Improper T	Hit & Run: Other Visible Injury	3 # Inj: 1	# Killed: 0	2014	VILLAGE P\ BRIGHTON VILLAGE PV	1	0	
D14-02867	2014-10-03	08:23	Friday	BRIGHTON DR - AMADOR VALLEY BL	11'	Direction: North	Daylight	Cloudy	Bicycle	Improper T	Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2014	BRIGHTON AMADOR 'BRIGHTON	0	0	
D14-03065	2014-10-21	07:25	Tuesday	DUBLIN BL - VILLAGE PW	0'	Direction: Not Stated	Daylight	Clear	Bicycle	Unknown	Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2014	DUBLIN BL VILLAGE P DUBLIN BL	0	0	
D14-03230	2014-11-07	08:07	Friday	BENT TREE DR - TWIN EAGLES LN	7'	Direction: West	Daylight	Clear	Bicycle	Improper T	Hit & Run: Other Visible Injury	3 # Inj: 1	# Killed: 0	2014	BENT TREE TWIN EAG BENT TREE	1	0	
D14-03634	2014-12-16	17:19	Tuesday	AMADOR PLAZA RD - AMADOR VALLEY BL	0'	Direction: Not Stated	Dark - Street Lights	Raining	Bicycle	Auto R/W	'Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2014	AMADOR F AMADOR 'AMADOR F	0	0	
D14-03679	2014-12-20	11:01	Saturday	DUBLIN BL - CLARK AV	256'	Direction: East	Daylight	Cloudy	Bicycle	Auto R/W	'Hit & Run: Other Visible Injury	3 # Inj: 1	# Killed: 0	2014	DUBLIN BL CLARK AV DUBLIN BL	1	0	
D1500727	2015-03-13	16:47	Friday	BRANNIGAN ST - WHITWORTH DR	125'	Direction: South	Daylight	Clear	Bicycle	Improper F	Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2015	BRANNIGA WHITWOF BRANNIGA	0	0	
D1500839	2015-03-23	12:14	Monday	VILLAGE PW - TAMARACK DR	16'	Direction: South	Daylight	Clear	Bicycle	Other Haza	Hit & Run: Other Visible Injury	3 # Inj: 1	# Killed: 0	2015	VILLAGE P\ TAMARAC VILLAGE PV	1	0	
D1500979	2015-04-06	06:48	Monday	DUBLIN BL - HIBERNIA DR	10'	Direction: West	Daylight	Clear	Bicycle	Improper T	Hit & Run: Other Visible Injury	3 # Inj: 1	# Killed: 0	2015	DUBLIN BL HIBERNIA DUBLIN BL	1	0	
D1501144	2015-04-23	12:02	Thursday	SIERRA LN - DOUGHERTY RD	2'	Direction: West	Daylight	Clear	Bicycle	Not Stated	Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2015	SIERRA LN DOUGHER SIERRA LN	0	0	
D1501277	2015-05-07	11:23	Thursday	CENTRAL PW - BRANNIGAN ST	13'	Direction: East	Daylight	Cloudy	Bicycle	Traffic Sign	Hit & Run: Complaint of Pain	4 # Inj: 1	# Killed: 0	2015	CENTRAL P BRANNIGA/CENTRAL P	1	0	
D1502206	2015-08-05	16:54	Wednesday	REGIONAL ST - AMADOR VALLEY BL	0'	Direction: South	Daylight	Clear	Bicycle	Auto R/W	'Hit & Run: Complaint of Pain	4 # Inj: 1	# Killed: 0	2015	REGIONAL AMADOR 'REGIONAL	1	0	
D1502258	2015-08-11	12:29	Tuesday	ARNOLD RD - DUBLIN BL	10'	Direction: North	Daylight	Clear	Bicycle	Not Stated	Hit & Run: Complaint of Pain	4 # Inj: 1	# Killed: 0	2015	ARNOLD RI DUBLIN BL ARNOLD RI	1	0	
D1502360	2015-08-21	19:12	Friday	CENTRAL PW - TASSAJARA RD	0'	Direction: Not Stated	Daylight	Clear	Bicycle	Unsafe Sta	Hit & Run: Other Visible Injury	3 # Inj: 1	# Killed: 0	2015	CENTRAL P TASSAJAR/CENTRAL P	1	0	
D1502467	2015-08-31	15:59	Monday	VILLAGE PW - BRIGHTON DR	0'	Direction: North	Daylight	Clear	Bicycle	Auto R/W	'Hit & Run: Other Visible Injury	3 # Inj: 2	# Killed: 0	2015	VILLAGE P\ BRIGHTON VILLAGE PV	2	0	
D1502478	2015-09-01	11:07	Tuesday	DUBLIN BL - AMADOR PLAZA RD	226'	Direction: East	Daylight	Clear	Bicycle	Auto R/W	'Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2015	DUBLIN BL AMADOR DUBLIN BL	0	0	
D1502560	2015-09-09	07:57	Wednesday	GRAFTON ST - GLEASON DR	0'	Direction: Not Stated	Daylight	Clear	Broadside	Bicycle	Other Haza	Hit & Run: Complaint of Pain	4 # Inj: 1	# Killed: 0	2015	GRAFTON ! GLEASON GRAFTON !	1	0
D1503570	2015-12-14	15:10	Monday	GRAFTON ST - CAPOTERA WY	0'	Direction: Not Stated	Daylight	Clear	Bicycle	Auto R/W	'Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2015	GRAFTON ! CAPOTERF GRAFTON !	0	0	
D1600257	2016-01-27	08:28	Wednesday	KOHNNEN WY - SHELTON ST	255'	Direction: West	Daylight	Clear	Bicycle	Auto R/W	'Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2016	KOHNNEN W SHELTON : KOHNEN W	0	0	
D1600466	2016-02-17	07:51	Wednesday	VILLAGE PW - BRIGHTON DR	667'	Direction: North	Daylight	Cloudy	Broadside	Bicycle	Ped R/W	V Hit & Run: Severe Injury	2 # Inj: 1	# Killed: 0	2016	VILLAGE P\ BRIGHTON VILLAGE PV	1	0
D1600987	2016-04-09	15:07	Saturday	ARNOLD RD - DUBLIN BL	0'	Direction: Not Stated	Daylight	Cloudy	Broadside	Bicycle	Other Haza	Hit & Run: Severe Injury	2 # Inj: 1	# Killed: 0	2016	ARNOLD RI DUBLIN BL ARNOLD RI	1	0
D1601081	2016-04-18	17:54	Monday	VILLAGE PW - DUBLIN BL	181'	Direction: North	Daylight	Clear	Bicycle	Other Haza	Hit & Run: Complaint of Pain	4 # Inj: 1	# Killed: 0	2016	VILLAGE P\ DUBLIN BL VILLAGE PV	1	0	
D1601453	2016-05-27	08:06	Friday	DUBLIN BL - CLARK AV	413'	Direction: East	Daylight	Clear	Bicycle	Auto R/W	'Hit & Run: Complaint of Pain	4 # Inj: 1	# Killed: 0	2016	DUBLIN BL CLARK AV DUBLIN BL	1	0	
D1602413	2016-08-23	19:48	Tuesday	CENTRAL PW - HACIENDA DR	0'	Direction: Not Stated	Dusk - Dawn	Clear	Bicycle	Other Haza	Hit & Run: Property Damage Only	0 # Inj: 0	# Killed: 0	2016	CENTRAL P HACIENDA CENTRAL P	0	0	
D1602435	2016-08-25	20:55	Thursday	CENTRAL PW - HACIENDA DR	0'	Direction: Not Stated	Dark - Street Lights	Clear	Bicycle	Auto R/W	'Hit & Run: Other Visible Injury	3 # Inj: 1	# Killed: 0	2016	CENTRAL P HACIENDA CENTRAL P	1	0	
D1602575	2016-09-07	13:18	Wednesday	HASTINGS WY - VILLAGE PW	5'	Direction: West	Daylight	Clear	Bicycle	Not Stated	Hit & Run: Complaint of Pain	4 # Inj: 1	# Killed: 0	2016	HASTINGS VILLAGE P HASTINGS	1	0	
D1603410	2016-11-14	17:54	Monday	DUBLIN BL - FALLON RD	0'	Direction: Not Stated	Dusk - Dawn	Clear	Bicycle	Auto R/W	'Hit & Run: Other Visible Injury	3 # Inj: 1	# Killed: 0	2016	DUBLIN BL FALLON RI DUBLIN BL	1	0	
D1603859	2016-12-18	18:56	Sunday	AMADOR VALLEY BL - VILLAGE PW	262'	Direction: East	Dark - No Street Lights	Clear	Bicycle	Unsafe Lan	Hit & Run: Other Visible Injury	3 # Inj: 1	# Killed: 0	2016	AMADOR V VILLAGE P AMADOR V	1	0	
D1603961	2016-12-27	11:35	Tuesday	MARIPOSA CI - MARIPOSA LN (N)	16'	Direction: West	Daylight	Clear	Bicycle	Auto R/W	'Hit & Run: Property Damage Only	0 # Inj: 0	# Killed					

CASE_ID	ACCIDENT_YEAR	PROC_DATE	JURIS	REPORTI												CITY_DIVI												CALTRAN												RAMP_IN				COLLISION		NUMBER						
				OFFICER_ID	NG_DIST	COLLISION_TI	ID	RICKT	DAY_OF_WEEK	CHP_SHIF	POPULAT	CNTY_CIT	SPECIAL_COND	BEAT_TY	CHP_BEA	SION_LA	CHP_BEA	BEAT_NU	PRIMARY_RD	SECONDARY_RD	DISTANC_E	DIRECTIO_N	INTERSEC_TION	WEATHE_R_1	WEATHE_R_2	STATE_H_WY_IND	S_COUNT_Y	S_DISTRI_CT	STATE_R_OUTE	ROUTE_S_UFFIX	POSTMIL_E_PREFIX	POSTMIL_E	LOCATIO_N_TYPE	TERSECTI_ON	SIDE_OF_HWY_AY	TOW_AWAY_TY	NUMBER_KILLED	INJURE_D														
6366339	2014	6/11/2014	100	1/30/2014	1636	203174	322	4	5	4	198	0	0	0	0	0	0	AMADOR VALLEY BL	BURTON ST	0	Y	A	-	N	4	0	1																									
6397006	2014	10/13/2015	100	1/29/2014	833	203240	304	3	5	4	198	0	0	0	0	0	0	NOVALU	TAMARACK DR	BURTON ST	100 W	N	A	-	N	4	0	1																								
6423660	2014	6/24/2014	100	3/20/2014	1712	1	4	5	4	198	0	0	0	0	0	0	BRODER BL	MADIGAN RD	750 W	N	A	-	N	4	0	1																										
6460407	2014	7/10/2014	100	4/2/2014	1333	202219	207	3	5	4	198	0	0	0	0	0	0	DUBLIN BL	AMADOR PLAZA RD	4 W	N	B	-	N	4	0	1																									
6475283	2014	7/24/2014	100	4/16/2014	1525	202219	406	3	5	4	198	0	0	0	0	0	0	HACIENDA DR	CENTRAL PKWY	464 N	N	A	-	N	4	0	1																									
6475287	2014	7/24/2014	100	4/23/2014	1006	100411	501	3	5	4	198	0	0	0	0	0	0	DUBLIN BL	HIBERNIA DR	14 N	N	A	-	N	4	0	1																									
6541933	2014	8/28/2014	100	7/26/2014	1656	202219	410	6	5	4	198	0	0	0	0	0	0	DUBLIN BL	ARNOLD RD	16 E	N	A	-	N	4	0	1																									
6606255	2014	10/7/2014	100	7/30/2014	651	201242	408	3	5	4	198	0	0	0	0	0	0	LOCUST PL	WINEBERRY WY	336 N	N	A	-	N	4	0	1																									
6646294	2014	10/10/2014	100	9/17/2014	954	202219	325	3	5	4	198	0	0	0	0	0	0	VILLAGE PKWY	BRIGHTON DR	464 N	N	A	-	N	4	0	1																									
6646298	2014	10/10/2014	100	9/15/2014	723	100411	301	1	5	4	198	0	0	0	0	0	0	BENT TREE DR	TWIN EAGLES LN	10 S	N	A	-	N	4	0	1																									
6669800	2014	11/7/2014	100	9/26/2014	1042	201242	507	5	5	4	198	0	0	0	0	0	0	NOVALU	VILLAGE PW	BRIGHTON DR	3 N	N	A	-	N	4	0	1																								
6679695	2014	1/28/2015	100	9/15/2014	758	203240	301	1	5	4	198	0	0	0	0	0	0	NOVALU	BRANNIGAN ST	GLEASON DR	8 N	N	A	-	N	4	0	1																								
6684186	2014	12/19/2014	100	10/16/2014	1531	202219	0	4	5	4	198	0	0	0	0	0	0	DARIAN CT	AMADOR VALLEY BL	348 E	N	A	-	N	4	0	1																									
6684190	2014	12/19/2014	100	10/17/2014	1137	201242	207	5	5	4	198	0	0	0	0	0	0	NOVALU	DUBLIN BL	CLARK AV	256 E	N	B	-	N	4	0	1																								
6684194	2014	12/19/2014	100	10/4/2014	10	202085	408	6	5	4	198	0	0	0	0	0	0	ARNOLD RD	DUBLIN BL	0	Y	A	-	N	4	0	1																									
6691789	2014	11/20/2014	100	9/11/2014	1523	202219	322	4	5	4	198	0	0	0	0	0	0	LANCASTER RD	UTICA CT	40 E	N	A	-	N	4	0	1																									
6713339	2014	1/9/2015	100	11/7/2014	807	203633	507	5	5	4	198	0	0	0	0	0	0	BENT TREE DR	TWIN EAGLES LN	7 W	N	A	-	N	4	0	1																									
6718683	2017	4/8/2019	100	11/20/2017	2040	224	3	5	4	198	0	0	0	0	0	0	HACIENDA DR	RT 580	86 N	N	A	-	Y	ALA	4	580	-	-	18.001 R	4 W	Y	1	1	0																		
6748044	2014	1/26/2015	100	11/23/2014	2109	203263	208	6	5	4	198	0	0	0	0	0	0	NOVALU	DUBLIN BL	REGIONAL ST	0	Y	B	-	N	4	0	2																								
6759034	2014	1/26/2015	100	11/26/2014	1049	201242	308	3	5	4	198	0	0	0	0	0	0	DARIAN CT	BRIGHTON DR	7 W	N	A	-	N	4	0	1																									
6776929	2014	2/12/2015	100	12/20/2014	1101	101974	0	6	5	4	198	0	0	0	0	0	0	NOVALU	DUBLIN BL	CLARK AV	256 E	N	B	-	N	4	0	1																								
6858267	2015	4/2/2015	100	2/4/2015	1820	202219	0	3	5	4	198	0	0	0	0	0	0	SAN RAMON RD	VOMAC RD	0	Y	A	-	N	4	0	1																									
6877336	2015	4/15/2015	100	3/25/2015	1451	201242	301	3	5	4	198	0	0	0	0	0	0	VILLAGE PW	BRIGHTON DR	660 N	N	A	-	N	4	0	1																									
6892456	2015	4/30/2015	100	3/13/2015	1647	20271	1	5	5	4	198	0	0	0	0	0	0	BRANNIGAN ST	WHITWORTH DR	125 S	N	A	-	N	4	0	1																									
6892458	2015	4/30/2015	100	3/23/2015	1214	100411	310	1	5	4	198	0	0	0	0	0	0	VILLAGE PKWY	TAMARACK DR	16 S	N	A	-	N	4	0	1																									
6895862	2015	5/22/2015	100	3/20/2015	844	202219	316	5	5	4	198	0	0	0	0	0	0	TAMARACK DR	AMANDA ST	83 E	N	A	-	N	4	0	2																									
6896523	2015	5/15/2015	100	4/6/2015	648	100411	410	1	5	4	198	0	0	0	0	0	0	DUBLIN BL	HIBERNIA DR	10 W	N	A	-	N	4	0	1																									
6896535	2015	5/15/2015	100	4/23/2015	1202	201242	411	4	5	4	198	0	0	0	0	0	0	DOUGHERTY RD	GLEASON DR	2 W	N	A	-	N	4	0	1																									
6926041	2015	6/1/2015	100	5/7/2015	1123	201242	504	4	5	4	198	0	0	0	0	0	0	CENTRAL PKWY	BRANNIGAN ST	13 E	N	B	-	N	4	0	1																									
6978936	2015	7/7/2015	100	6/5/2015	1141	201242	210	5	5	4	198	0	0	0	0	0	0	SAN RAMON RD	DUBLIN BL	0	Y	A	-	N	4	0	1																									
7002092	2015	7/22/2015	100	6/29/2015	850	202964	510	1	5	4	198	0	0	0	0	0	0	N DUBLIN RANCH DR	OAK BLUFF LN	0																																

CASE_ID	R	ACCIDENT_YEA	PROC_DATE	JURIS	COLLISION_DAT	COLLISION_TI	PARTY_C	PCF_COD	PCF_VIOL	PCF_VIOL	TYPE_OF	PEDESTRI	BICYCLE_	MOTORC	NOT_PRI	ALCOHOL	STWD_VE	CHP_VEH	COUNT_S	COUNT_V	COUNT_C	COUNT_P	COUNT_B	COUNT	SECOND										
6363339	2014	6/11/2014	100	1/30/2014	1636	2 A -	10	21950 A	N	G B	B A H -	A D	D	Y	Y	D	22	0	0	1	0	0	0	0	0	-	ALAMEDA	DUBLIN	-121.921	37.71352					
6397006	2014	10/13/2015	100	1/29/2014	833	1 A -	10	21952	M	G B	B A H -	A A	D	0 Y	Y	D	4	0	1	0	0	1	0	0	0	-	ALAMEDA	DUBLIN	-121.923	37.71467					
642360	2014	6/24/2014	100	3/20/2014	1712	2 A -	21	22106	N	G B	F A H -	A A	D	0 Y	Y	A	22	0	0	1	0	0	0	0	0	-	37.7159	-121.80	ALAMEDA	DUBLIN	-121.886	37.71591			
6460407	2014	7/10/2014	100	4/2/2014	1333	2 A -	10	21952	N	G B	F A H -	A A	D	0 Y	Y	A	1	0	1	0	0	1	0	0	0	-	ALAMEDA	DUBLIN	-121.928	37.70488					
6475283	2014	7/24/2014	100	4/16/2014	1535	2 A -	12	22450 A	N	H G	F A H -	A A	D	0 Y	Y	A	7	0	1	0	0	1	0	0	0	-	ALAMEDA	DUBLIN	-121.888	37.70993					
6475287	2014	7/24/2014	100	4/23/2014	1006	2 A -	10	21950 A	N	G B	B A H -	A A	D	0 Y	Y	L	4	0	1	0	0	0	1	0	0	-	ALAMEDA	DUBLIN	-121.885	37.7063					
6541933	2014	8/28/2014	100	7/26/2014	1656	2 A -	12	21453 A	H	G A	A H -	A A	D	0 Y	Y	L	4	0	0	0	0	0	1	0	0	-	ALAMEDA	DUBLIN	-121.893	37.70623					
666255	2014	10/7/2014	100	7/30/2014	651	2 A -	12	21453 A	N	H G	A A H -	A A	D	0 Y	Y	L	4	0	0	0	0	0	1	0	0	-	ALAMEDA	DUBLIN	-121.926	37.72436					
6662624	2014	10/10/2014	100	9/17/2014	954	2 A -	11	21950 B	N	G B	D A H -	A A	D	0 Y	Y	N	60	1	0	0	0	1	0	0	0	-	ALAMEDA	DUBLIN	-121.927	37.72436					
6662628	2014	10/10/2014	100	9/15/2014	723	2 A -	8	22107	N	H G	A A H -	A A	D	0 Y	Y	A	8	0	1	0	0	0	1	0	0	-	ALAMEDA	DUBLIN	-121.927	37.71979					
6669800	2014	11/7/2014	100	9/26/2014	1042	2 A -	10	21950 A	N	G B	B A H -	A A	D	0 Y	Y	A	1	1	0	0	1	0	0	0	0	-	ALAMEDA	DUBLIN	-121.853	37.71639					
6679695	2014	1/28/2015	100	9/15/2014	758	2 A -	10	21950 C	F	G B	B A H -	A A	D	0 Y	Y	A	-	0	1	0	0	1	0	0	0	-	ALAMEDA	DUBLIN	-121.927	37.71853					
6684186	2014	12/19/2014	100	10/16/2014	1531	1 B -	22		N	E I	A A H -	A A	D	0 Y	Y	A	-	0	1	0	0	0	1	0	0	-	ALAMEDA	DUBLIN	-121.869	37.71264					
6684190	2014	12/19/2014	100	10/17/2014	1137	2 A -	9	21804 A	N	G B	F A H -	A A	D	0 Y	Y	A	8	0	0	1	0	0	0	0	0	-	ALAMEDA	DUBLIN	-121.934	37.70671					
6684194	2014	12/19/2014	100	10/4/2014	10	2 A -	10	21950 A	N	G B	B A H -	C A	D	0 Y	Y	A	1	0	0	1	0	0	0	0	0	-	ALAMEDA	DUBLIN	-121.992	37.70623					
6691789	2014	11/20/2014	100	9/11/2014	1523	2 A -	9	21804 A	N	G B	A A H -	A A	D	0 Y	Y	A	4	0	1	0	0	0	1	0	0	-	ALAMEDA	DUBLIN	-121.921	37.71208					
6713339	2014	1/9/2015	100	11/7/2014	807	2 A -	8	22107	N	H G	A A H -	A A	D	0 Y	Y	A	1	0	1	0	0	0	1	0	0	-	ALAMEDA	DUBLIN	-121.953	37.71639					
6718683	2017	4/6/2019	100	12/20/2017	2040	2 A -	11	21955	N	G B	E A H -	E A	D	0 Y	Y	A	60	0	0	0	1	0	0	0	0	WF	ALAMEDA	DUBLIN	-121.973	37.7016					
6748044	2014	1/26/2015	100	11/22/2014	2109	3 A -	10	21950 A	N	G B	B A H -	C A	D	0 Y	Y	A	1	1	0	1	0	2	0	0	0	-	ALAMEDA	DUBLIN	-121.934	37.70292					
6759034	2014	1/26/2015	100	11/26/2014	1049	1 A -	3	22350	N	E I	A A H -	A A	D	0 Y	Y	A	4	0	1	0	0	0	1	0	0	-	ALAMEDA	DUBLIN	-121.922	37.71821					
676929	2014	2/12/2015	100	12/20/2014	1101	2 A -	9	21804 A	N	H G	F A A H -	A A	D	0 Y	Y	A	22	0	1	0	0	0	1	0	0	-	ALAMEDA	DUBLIN	-121.919	37.70517					
6858267	2015	4/2/2015	100	2/4/2015	1820	2 A -	0	2818	N	G B	E A G -	C A	D	0 Y	Y	A	1	1	0	0	0	1	0	0	-	ALAMEDA	DUBLIN	-121.941	37.71728						
6877336	2015	4/15/2015	100	3/25/2015	1451	2 A -	9	21804 A	N	G B	B F A H -	A A	D	0 Y	Y	A	1	0	0	1	0	1	0	0	-	ALAMEDA	DUBLIN	-121.927	37.72033						
6892456	2015	4/30/2015	100	3/3/2015	1647	2 A -	6	21750	N	H G	A A H -	A A	D	0 Y	Y	L	4	0	1	0	0	0	1	0	0	-	ALAMEDA	DUBLIN	-121.869	37.70884					
6892458	2015	4/30/2015	100	3/3/2015	1214	2 A -	5	21020 A	N	H G	G A A H -	A A	D	0 Y	Y	L	4	0	0	1	0	0	0	0											

Appendix C: Descriptive Statistics Tables

Dublin Bike Collisions -- 2014-2019

Collisions by Year		
Year	Count	Percent
2014	17	25%
2015	12	18%
2016	11	16%
2017	11	16%
2018	8	12%
2019	9	13%

Collisions by Day of Week		
Day	Count	Percent
Monday	11	
Tuesday	9	
Wednesday	17	72%
Thursday	12	
Friday	11	
Saturday	5	28%
Sunday	3	

Collisions by Time of Day		
Time	Count	Percent
6AM to 10AM	21	31%
10AM to 4PM	23	34%
4PM to 8PM	20	29%
8PM to 6AM	4	6%

Collisions by Severity		
Severity	Count	Percent
Fatal	1	1%
Severe Injury	2	3%
Other Visible Injury	23	34%
Complaint of Pain	18	26%
Property Damage Only	24	35%

Collisions by Lighting and Severity

Lighting	Fatal	Severe Injury	Other Visible Injury	Complaint of Pain	Property Damage Only	Grand Total	Share of Total
Dark - No Street Lights				1		1	1%
Dark - Street Lights			3	3	3	9	13%
Daylight	1	2	18	14	20	55	81%
Dusk - Dawn			1	1	1	3	4%
Grand Total	1	2	23	18	24	68	100%

Hit and Run Collisions		
Type	Count	Percent
Felony	3	4%
Misdemeanor	0	
Not Hit and Run	65	96%

Intersection/Segment and Collision Severity

Injury Degree	Intersection	Segment	Grand Total
Fatal		1	1
Severe Injury	1	1	2
Other Visible Injury	16	7	23
Complaint of Pain	14	4	18
Property Damage Only	20	4	24
Grand Total	52	16	68
Share of Total	76%	24%	100%

Primary Collision Factor and Collision Severity

PCF	Fatal	Severe Injury	Other Visible Injury	Complaint of Pain	Property Damage Only	Grand Total	Share of Total
Auto R/W Violation	1		8	2	7	18	26%
Not Stated			2	6	3	11	16%
Improper Turning		4	2	5	5	11	16%
Other Hazardous Movement	1	2	3	2	8	12%	
Unknown			2	2	4	4	6%
Traffic Signals and Signs			2		2	4	6%
Ped R/W Violation	1	2			3	3	4%
Unsafe Speed		2			2	2	3%
Unsafe Starting or Backing		1	1		2	2	3%
Other				2	2	2	3%
Unsafe Lane Change		1			1	1	1%
Brakes		1			1	1	1%
Improper Passing				1	1	1	1%
Grand Total	1	2	23	18	24	68	100%

Age and Severity

	Fatal	Severe Injury	Other Visible Injury	Complaint of Pain		Grand Total	Dublin Share among Population	
				Injury	Property Damage Only		Reported	Share
Under 5	0	0	0	0	0	0	0	0%
5-14 years old	0	1	5	3	6	15	29%	16%
15-24 years old	0	0	9	2	2	13	25%	8%
25-44 years old	1	0	6	6	3	16	31%	35%
45-64 years old	0	1	2	3	0	6	12%	25%
65+ years old	0	0	1	0	1	2	4%	9%
Not Reported	0	0	0	4	12	16	-	-
Total	1	2	23	18	24	68		

Reported:

Gender and Severity

Gender	Fatal	Severe Injury	Other Visible Injury	Complaint of Pain		Grand Total	Share among Reported	
				Injury	Property Damage Only		Reported	Share
Female		1	5	1	2	9	9	17%
Male	1	1	18	13	11	44	44	83%
Not Stated				2	2	4		
Grand Total	1	2	23	18	24	68		

Dublin Pedestrian Collisions -- 2014-2019

Crashes by Year		
Year	Count	Percent
2014	12	15%
2015	13	16%
2016	10	12%
2017	13	16%
2018	18	22%
2019	15	19%

Collisions by Day of Week		
Day	Count	Percent
Monday	13	
Tuesday	7	58%
Wednesday	20	
Thursday	6	
Friday	13	
Saturday	12	43%
Sunday	9	

Collisions by Time of Day		
Time	Count	Percent
6AM to 10AM	16	20%
10AM to 4PM	38	47%
4PM to 8PM	20	25%
8PM to 6AM	7	9%

Collisions by Severity		
Severity	Count	Percent
Fatal	3	4%
Severe Injury	9	11%
Other Visible Injury	31	38%
Complaint of Pain	20	25%
Property Damage Only	18	22%

Collisions by Lighting and Severity

Lighting	Fatal	Severe Injury	Other Visible Injury	Complaint of Pain	Property Damage Only	Grand Total	Share of Total
Dark - Street Lights	1	2		5	2	1	14%
Dark - Street Lights Not Functioning		1				1	1%
Daylight	1	4		26	16	62	77%
Dusk - Dawn		2			2	2	7%
(blank)	1					1	1%
Grand Total	3	9		31	20	18	81
							100%

Collisions by Intersection/Segment and Severity

Injury Degree	Intersection	Segment	Grand Total
Fatal		3	3
Severe Injury		8	9
Other Visible Injury		30	31
Complaint of Pain		17	20
Property Damage Only		16	18
Grand Total		74	81
Share of Total	91%	9%	100%

Collisions by Primary Collision Factor and Severity

PCF	Fatal	Severe Injury	Other Visible Injury	Complaint of Pain	Property Damage Only	Grand Total	Share of Total
Ped R/W Violation		2	13	2	5	22	27%
Other Improper Driving	1	1	6	2	6	16	20%
Unknown		1	4	4	2	11	14%
Auto R/W Violation		3	4	4		11	14%
Pedestrian Violation				4	1	5	6%
Not Stated	1	1	1	1		4	5%
Unsafe Speed		1	1	1		3	4%
Unsafe Starting or Backing				1	1	3	4%
Other Hazardous Movement					1	2	2%
Traffic Signals and Signs			1			1	1%
Improper Turning				1		1	1%
Improper Passing				1		1	1%
Pedestrian Violation	1					1	1%
Grand Total	3	9	31	20	18	81	100%

Collisions by Age and Severity

Age	Fatal	Severe Injury	Other Visible Injury	Complaint of Pain	Property Damage Only	Grand Total	Share among reported	Dublin Population Share
								Reported
Under 5	0	1	2	3	4	10	18%	8%
5-14 years old	0	1	5	3	0	9	16%	16%
15-24 years old	0	1	3	5	1	10	18%	8%
25-44 years old	1	1	6	1	1	10	18%	35%
45-64 years old	1	0	3	1	2	7	12%	25%
65+ years old	0	3	4	3	1	11	19%	9%
Not Reported/other	1	3	10	7	13	34		
Total	3	10	33	23	22	91		

Gender	Fatal	Severe Injury	Other Visible Injury	Complaint of Pain	Property Damage Only	Grand Total	Share among reported	Dublin Population Share
								Reported
F	1	5	8	3	2	13	33	40%
M	1	2	13	10	3	29	19	60%
Grand Total	3	9	31	20	18	81		