

High Crash Locations for Calendar Year 2018

Response from Traffic Engineering Staff

Crash Rate

Ash Street & 4th Avenue (Signalized)

- Ash Street & 04th Avenue
- Accident Rate: 0.96
- Accident Pattern: 8 total; 5 broadside, 3 involve pedestrians
- Actions Taken/Recommendations:
 - Install new mast arm for westbound approach with the appropriate length arm (B-18069 - in preliminary design)
 - Upgrade mast arm for southbound approach with the appropriate length arm (B-18069 - in preliminary design)
 - Modify offsets so westbound greens terminate simultaneously at 03rd Avenue and 04th Avenue
 - Review yellow and all-red times
 - Evaluate for audible push buttons via ADA Office

Dairy Mart Road & Camino De la Plaza (All Way Stop Control)

- Total Collision = 4
 - 2 rear-end collisions
 - 1 broad=sided collisions
 - 1 hit object
- Entering Average Traffic Volume = 11,338
- Crash Rate = .96
 - Camino De La Plaza from Dairy Mart Road to Willow Road:
 - Posted speed is 45MPH and 85th speed is 51MPH
 - Classified as Collector -Minor
 - Dairy Mart from I-5 Ramp to Monument:
 - Posted speed is 40MPH and 85th speed is 46MPH
 - Dairy Mart Road classified as Collector -Minor
- Findings:
 - Existing control: intersection is an all way stop control
 - All way stop work order was completed on 2/6/2018
 - Location qualified and listed on Transportation Need List for installation of Traffic Signal since March, 2016
- Recommendations:
 - Install BOT-DOTS for westbound Camino De La Plaza
 - Install STOP AHEAD pavement marking legends for westbound Camino De La Plaza
 - Also, proposed transportation Projects on the approved San Ysidro Community Plan Update:
 - Dairy Mart Road: Servando Avenue to Camino De la Plaza

- Construct a raised median
- Dairy Mart Road and Servando Avenue
 - Install traffic signal
- Dairy Mart Road and Camino de la Plaza
 - Install traffic signal

Del Sol Boulevard & Kostner Drive (All Way Stop Control)

- Total collisions = 5
 - 5 broad-sided collisions
- Entering Average Traffic Volume = 7,264
- Crash Rate = 1.89
 - Del Sol Blvd
 - Posted speed is 40 MPH and 85th speed is 43MPH
 - Classified as Collector
 - Kostner Dr:
 - Classified as Residential
- Findings:
 - Del Sol Blvd at Kostner Dr was slurry sealed around June, 2018 by a group job.
 - Also, Kostner Dr north of Del Sol Blvd was slurry sealed around June, 2018.
 - Three out of the five accidents occurred between May-July 2018, while there were temporarily stop signs and the stop bar and Stop legends were possibly missing
 - Accident occurred in 5/4/2018 mentions the stop legends being missing for westbound
 - Accident occurred in 7/5/2018 mentions the stop line and stop legends being missing
 - Existing control: intersection is an all way stop control
 - There are STOP AHEAD signs and STOP AHEAD legends for eastbound and westbound Del Sol Blvd
 - All other traffic signs and pavement marking legends are clearly marked visible
- Recommendations:
 - Therefore, we do not recommend any further improvements at this location, since majority of the reported traffic collisions occurred while location getting slurry sealed. We will check back on this intersection next year.

Imperial Avenue & 45th Street (Signalized)

- Accident Rate: 0.82
- Accident Pattern: 8 total; 1 broadside, 2 involve pedestrians, 3 rear end, 2 head on
- Actions Taken/Recommendations:
 - Updated yellow times, pedestrian clearance times, and vehicle extensions for all approaches
 - Submitted work order to install continental crosswalks
 - Evaluate for left turn phasing for the northbound and southbound approaches
 - Evaluate for a lead pedestrian interval for the east and west legs pedestrian crossing
 - This intersection will be included as part of the SAN DAG Imperial Avenue Bikeway Project (construction expected 2020-2022)

Lebon Drive & La Palmilla Drive (Signalized)

- Accident Rate: 1.43
- Accident Pattern: 5 total; 3 broadside, 1 involved pedestrians, 1 involved bicycle
- Actions Taken/Recommendations:
 - Updated yellow times (completed 3/28/2019)
 - Updated R10-12, LEFT TURN YIELD ON GREEN sign (completed 6/24/2019)
 - Evaluated for left turn phasing for southeast bound left turn (completed 2/28/2019)
 - Install countdown timers
 - Install W3-3, TRAFFIC SIGNAL AHEAD sign, 325' in advance of signal for southeast bound traffic
 - Install vehicular signal head on north corner facing southeast bound traffic
 - Install R3-7, RIGHT LANE MUST TURN RIGHT sign, on east corner facing northwest bound traffic
 - Install left turn arc for southwest bound traffic

Main Street & Vesta Street (Signalized)

- Main Street & Vesta Street
- Accident Rate: 0.99
- Accident Pattern: 8 total; 1 broadside, 1 involved pedestrian, 1 involved bicycle, 4 rear end, 1 hit object
- Actions Taken/Recommendations:
 - Updated yellow times
 - Updated pedestrian clearance times to meet current standards
 - Capital project 8-13010, in the design phase with the Public Works Department, will install new poles, mast arms, signal heads, pedestrian countdown timers, ADA compliant curb ramps, bi-directional emergency vehicle pre-emption equipment, and advanced loops on Main Street approaches
 - Install protected-permissive left turn phasing for eastbound and westbound approaches

University Avenue & Rolando Boulevard (Signalized)

- Accident Rate: 0.78
- Accident Pattern: 5 total; 1 broadside, 1 sideswipe, 3 head on
- Actions Taken/Recommendations:
 - Signal modification completed (6/7/2019). Included:
 - Continental crosswalks
 - Audible push buttons
 - Pedestrian countdown timers
 - New mast arms with 12" signal heads and relocated protected left signal heads
 - New bi-directional emergency vehicle pre-emption equipment
 - New curb ramps
 - Evaluate for left turn phasing for northbound and southbound approaches
 - Update pedestrian clearance and yellow times
 - Install R10-12, LEFT TURN YIELD ON GREEN sign, for northbound and southbound approaches

- Reinstall limit lines to be perpendicular to travel lanes
- Reinstall westbound front loops
- Create a new timing sheet to reflect new phasing as part of signal modification

Crash Pattern

10th Avenue & A Street (Signalized)

- Accident Pattern: SB vs EB Broadside (4)
- Actions Taken/Recommendations:
 - Review yellow and all-red times
 - Submitted vegetation work order to increase visibility of traffic signal for eastbound approach
 - Create vegetation work order to increase visibility of traffic signal for the southbound approach
 - Install near-side signal head facing eastbound traffic

Ash Street & 4th Avenue (Signalized)

- Accident Pattern: SB vs WB Broadside (5)
- Actions Taken/Recommendations:
 - Install new mast arm for westbound approach with the appropriate length arm (B-18069 - in preliminary design)
 - Upgrade mast arm for southbound approach with the appropriate length arm (B-18069 - in preliminary design)
 - Modify offsets so westbound greens terminate simultaneously at 03rd Avenue and 04th Avenue
 - Review yellow and all-red times

Clairemont Mesa Boulevard & Convoy Street (Signalized)

- Accident Pattern: EBLT vs WB Broadside (5)
- Actions Taken/Recommendations:
 - Created work order to install continental crosswalks
 - Created work order to install turn arcs
 - Updated yellow, pedestrian clearance, and vehicle extension times
 - Added damaged loops to Street Division's Loop Replacement List
 - Install pedestrian countdown timers
 - Upgrade mast arms for the northbound, westbound, and southbound approaches
 - Upgrade signal heads to 12" indications
 - Trim median nose on east and south leg
 - Install new vehicle loops where needed
 - Lag westbound left and lead eastbound left
 - Clairemont Mesa Boulevard will be re-coordinated within the next year

Segment

Euclid Avenue Between Market Street & Elm Street (5 Signals)

- Accident Rate: 8.5 Fatal & Severe Crashes per Mile
- Actions Taken/Recommendations:
 - **Market Street (Signalized)**
 - Review yellow and all-red times
 - Create work order to install continental crosswalks
 - **Guymon Street (Signalized)**
 - Review yellow and all-red times
 - Create work order to install continental crosswalks
 - Evaluate for no U turns on Southbound approach
 - Currently in the process of being coordinated with Hilltop Drive
 - **Lakiba Palmer Avenue (Stop Sign)**
 - Evaluate for speed limit signs
 - Evaluate for red curb for visibility
 - **Hilltop Drive (Signalized)**
 - Review yellow and all-red times
 - Create work order to install continental crosswalks
 - Currently in the process of being coordinated with Guymon Street
 - **Federal Boulevard (Signalized)**
 - Review yellow and all-red times
 - **Elm Street (Signalized)**
 - Review yellow and all-red times
 - Create maintenance request to repaint medians
 - Create maintenance request to replace faded "No Right Turn" sign
 - Create maintenance request to repaint limit lines

Imperial Avenue Between SD 805 and 55th Street (8 Signals)

- Accident Rate: 7.3 Fatal & Severe Crashes per Mile
- Actions Taken/Recommendations:
 - **47th Street (Signalized)**
 - Review yellow and all-red times
 - Create work order to install continental crosswalks
 - Evaluate for school zone signs
 - **49th Street (Signalized)**
 - Review yellow and all-red times
 - Create work order to install continental crosswalks
 - Install pedestrian countdown timers
 - Evaluate for school zone signs
 - **Willie James Jones Avenue (Signalized)**
 - Review yellow and all-red times
 - Create work order to install continental crosswalks
 - Install pedestrian countdown timers

- **Euclid Avenue (Signalized)**
 - Review yellow and all-red times
 - Create work order to install continental crosswalks and adjust limit lines
 - Install pedestrian countdown timers
 - Create maintenance request to repaint medians
 - Evaluate school zone signs
- **San Jacinto Drive (Signalized)**
 - Previously on 2017 HAL
 - Updated yellow and pedestrian clearance times
 - Updated LEFT TURN YIELD signs
 - Installed merge arrow pavement markings
- **53rd Avenue (Two Way Stop Control)**
 - Evaluate for speed limit signs
 - Evaluate to update curve warning signs
- **54th Avenue (Signalized)**
 - Review yellow and all-red times
 - Create work order to install continental crosswalks
 - Install pedestrian countdown timers
 - Evaluate for red curb at intersection
- **55th Avenue (One Way Stop Control)**
 - Evaluate for speed limit signs
 - Evaluate for red curb for visibility