



Santiago Canyon Road Safety Town Hall Meeting







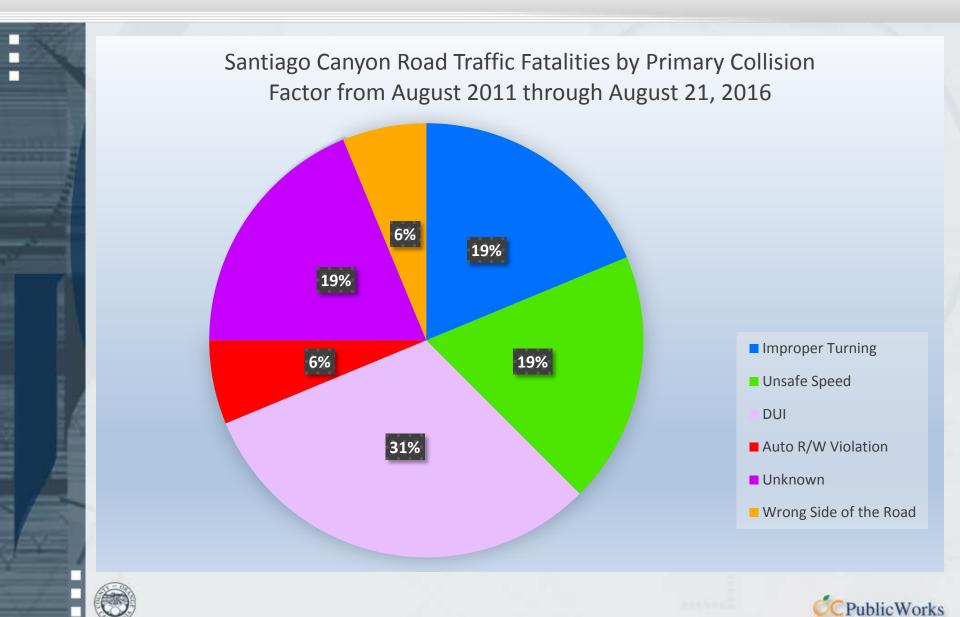




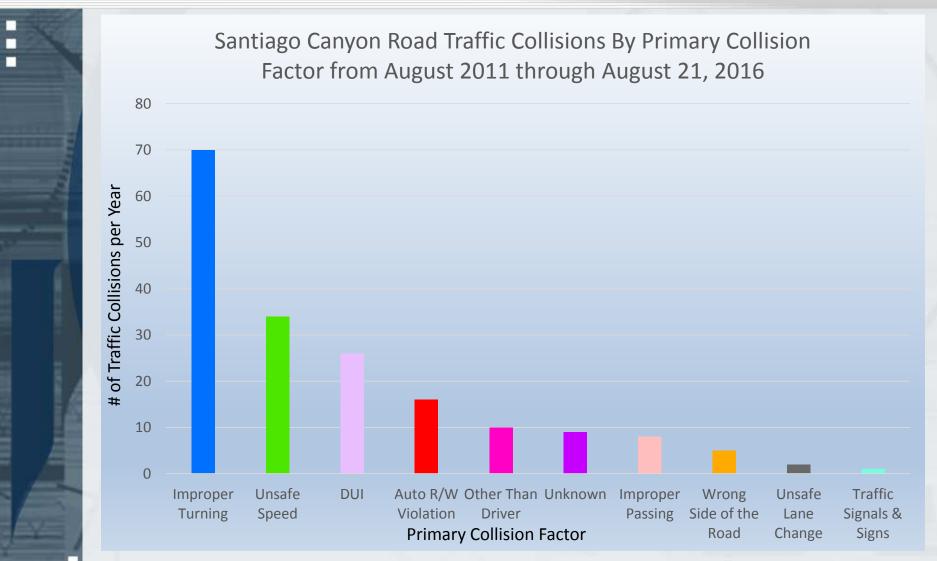


Shane L. Silsby, Director of OC Public Works

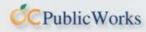
Fatalities



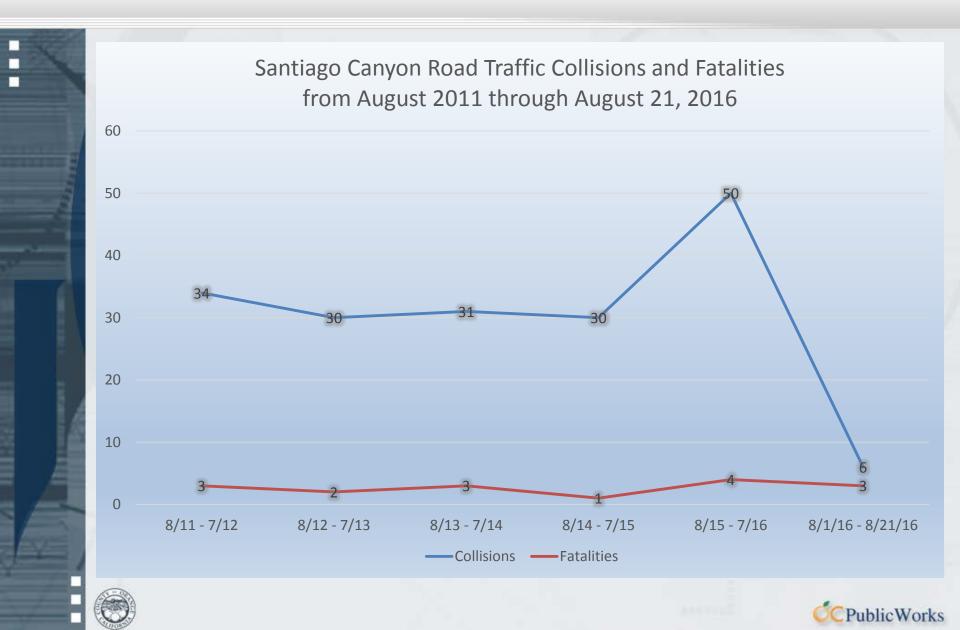
Accident Types

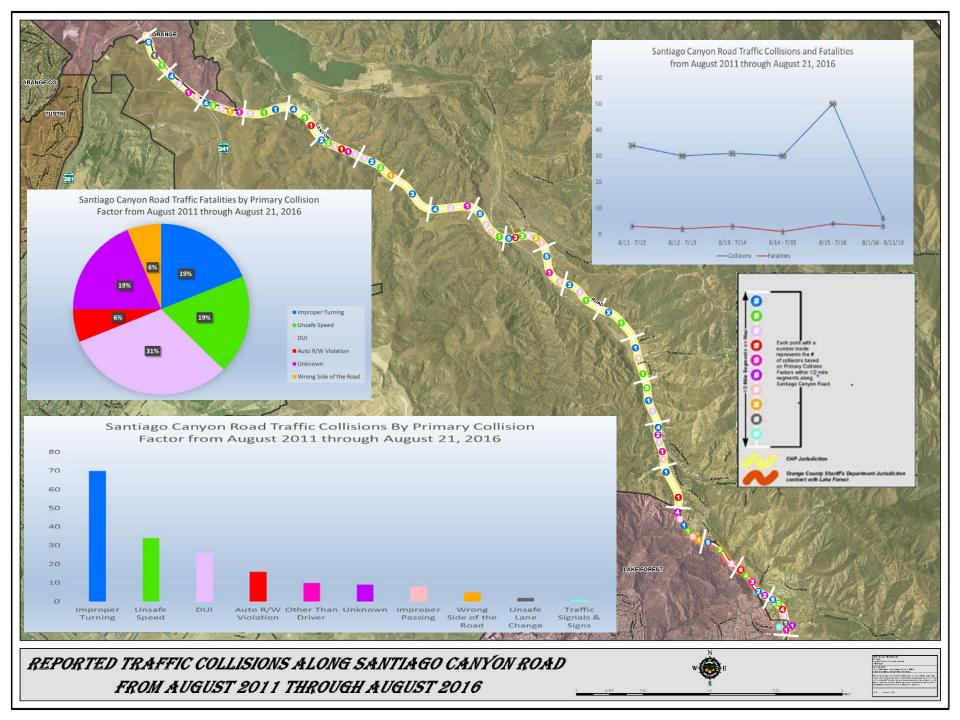






5 Year Trends





Collision Category

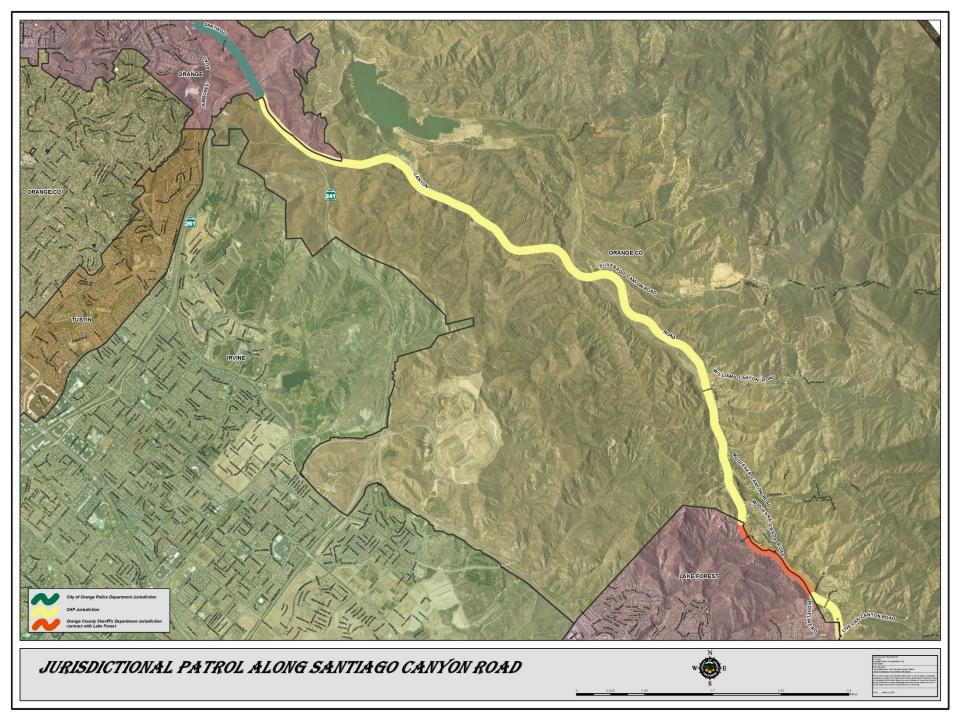
California Vehicle Code 22107 defines <u>IMPROPER</u> <u>TURNING</u> as:

"No person shall turn a vehicle from a direct course or move right or left upon a roadway until such movement can be made with reasonable safety and then only after the giving of an appropriate signal in the manner provided in this chapter in the event any other vehicle may be affected by the movement."

"Improper Turning" category encompasses drivers losing control of their vehicles and either leaving roadway and hitting objects or staying within roadway but overturning, sideswiping or crashing head-on with other vehicles.







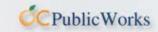
Short Term Initiatives

Temporary speed feedback signs

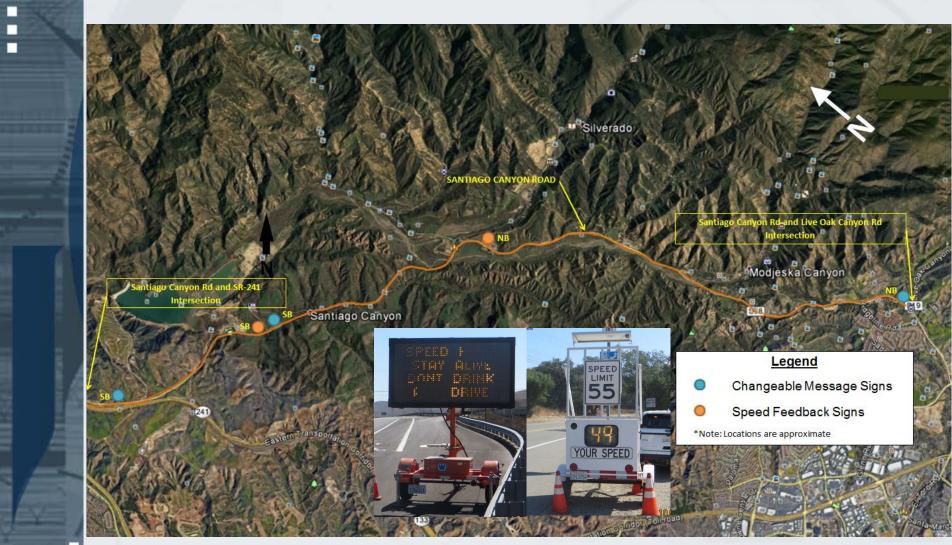
Changeable message boards

Review Santiago/Chapman and Jamboree Intersection with City of Orange

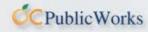




Short Term Initiatives







Medium Term Initiatives

Install solar powered permanent speed feedback signs

Public Outreach/Education

Coordination Meetings between public works and law enforcement





Medium Term Project



Santiago Canyon Road Safety Improvements Project (between SR-241 and Live Oak Canyon Road)







Medium Term Project

Santiago Canyon Road Safety Improvements Project:

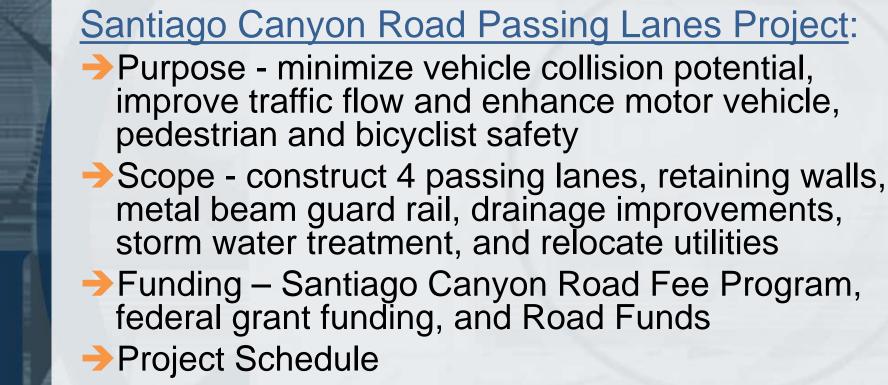
- Purpose implement safety countermeasures to address the prevalent crash patterns
- Scope Install High Friction Surface Treatment, curve warning signs, flashing beacons, delineators, object markers, and bike lane buffer
- Funding Highway Safety Improvement Program (HSIP) grant and Road Funds
- Project Schedule
 - Design/Survey 2016
 - Environmental Clearances/Procurement 2017
 - Construction 2018: \$2.6 Million



Medium Term Project



Long Term Project



- Pre-Design/Survey 2019
- Final Design/Utilities/Environmental Clearances 2020
- Permitting/Procurement 2021/2022
- Construction 2023/2024: \$24 Million



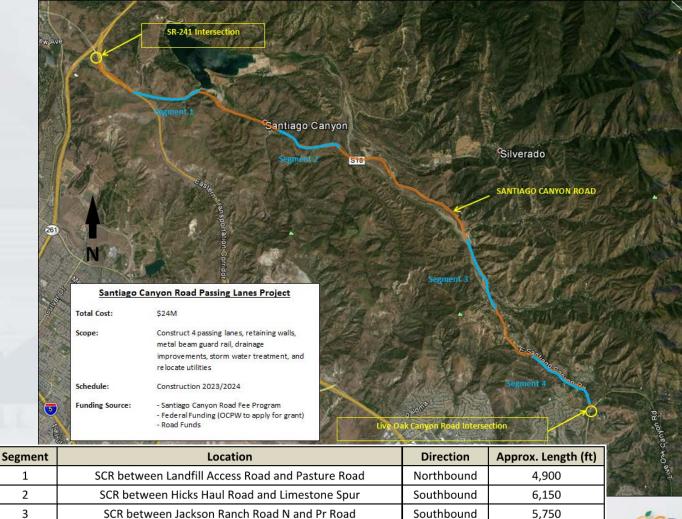


Long Term Project

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1.1

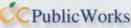
Santiago Canyon Road Passing Lanes Project



Northbound

5,200

SCR between Modjeska Grade Road and Live Oak Canyon Road



State Impacts on Roadway Funding

HUTA Excise Tax Reduction – Section 2103
Based upon CSAC Annual Forecasts

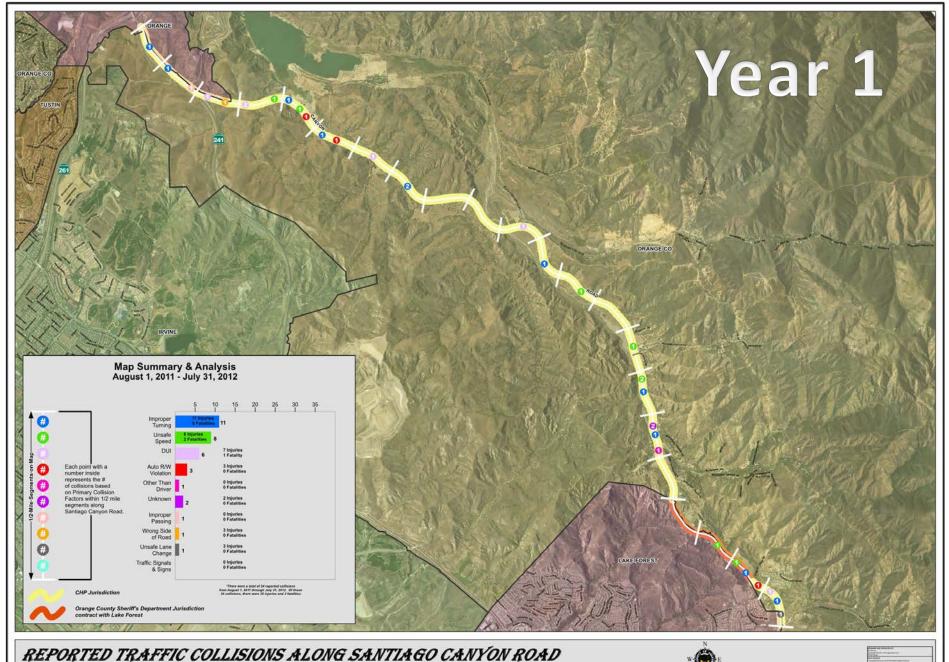
| Revenue Decrease | Timeframe | Annual Impact |
|--------------------|------------|----------------|
| \$0.06 per gallon | FY 2015-16 | - \$11,902,168 |
| \$0.022 per gallon | FY 2016-17 | -\$4,765,867 |

Combined Annual Decrease of \$16,668,035

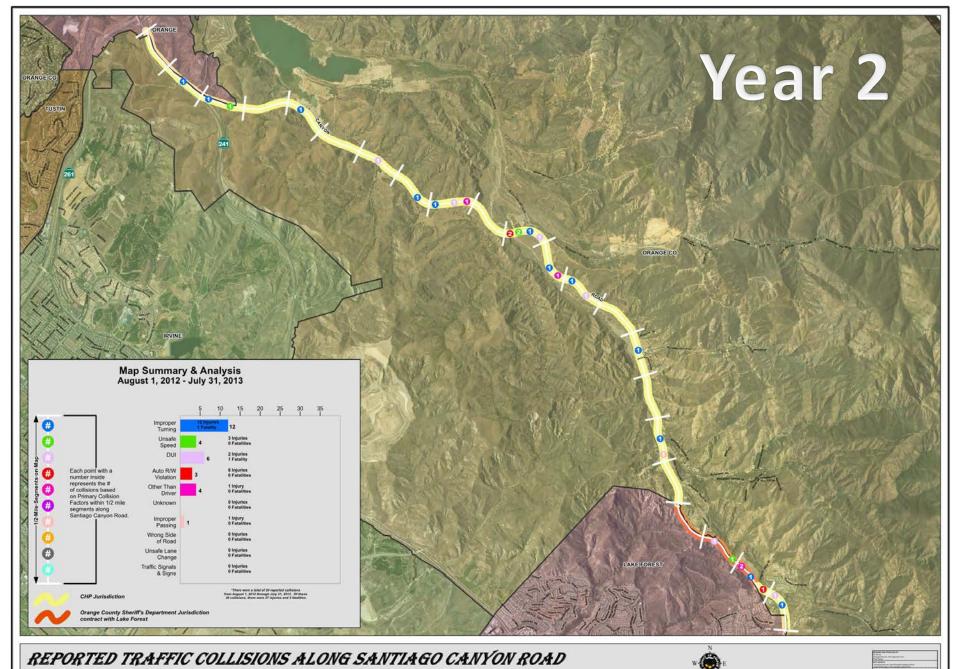
Results in Capital Program Deferrals of \$120 Million to \$160 Million in Projects from the 7-Year Capital Improvement Program





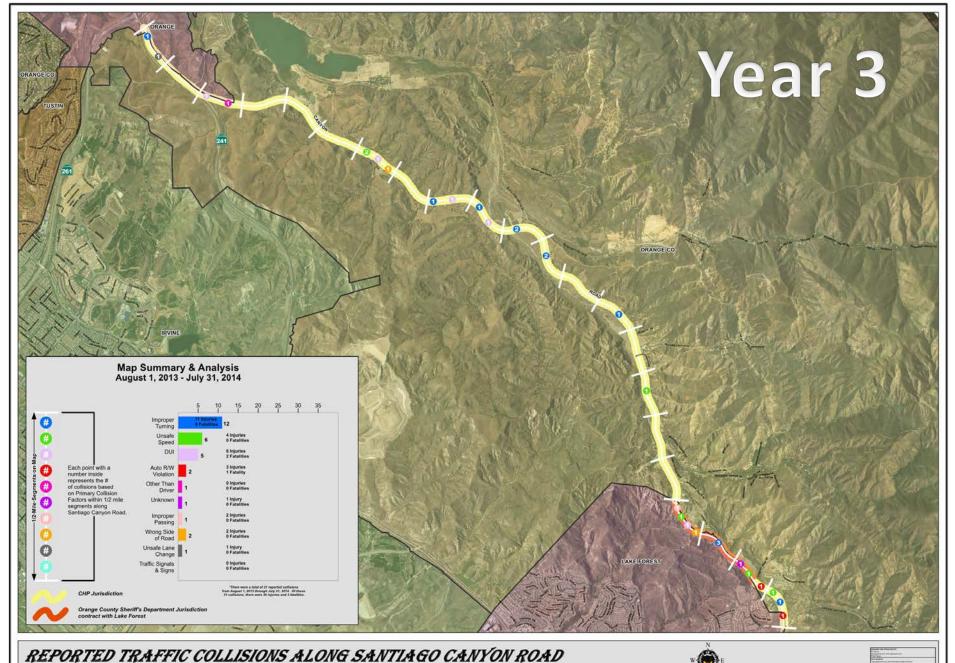


FROM AUGUST 1, 2011 THROUGH JULY 31, 2012

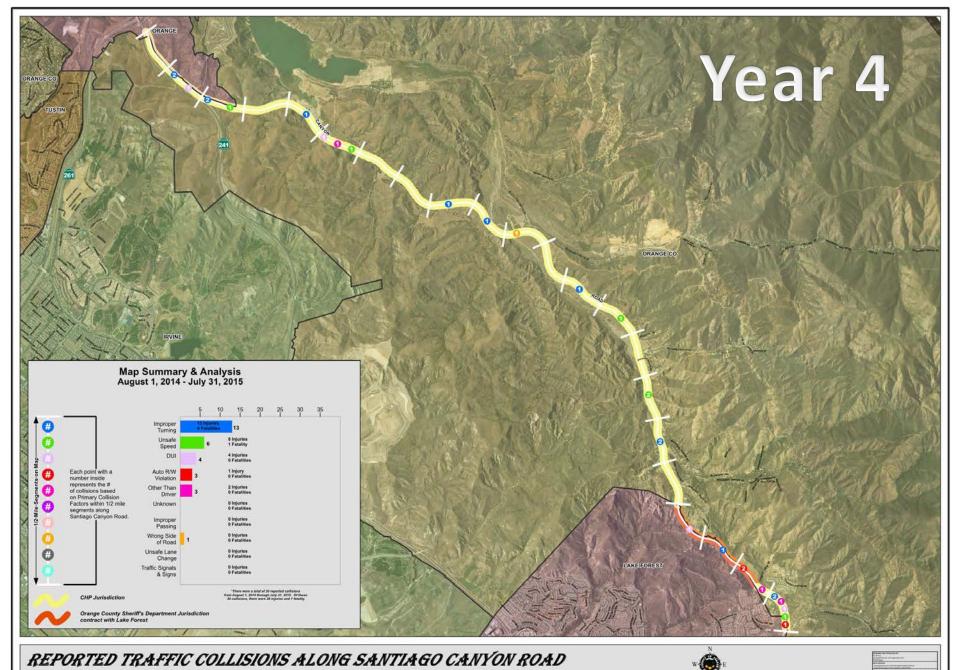


FROM AUGUST 1, 2012 THROUGH JULY 31, 2013

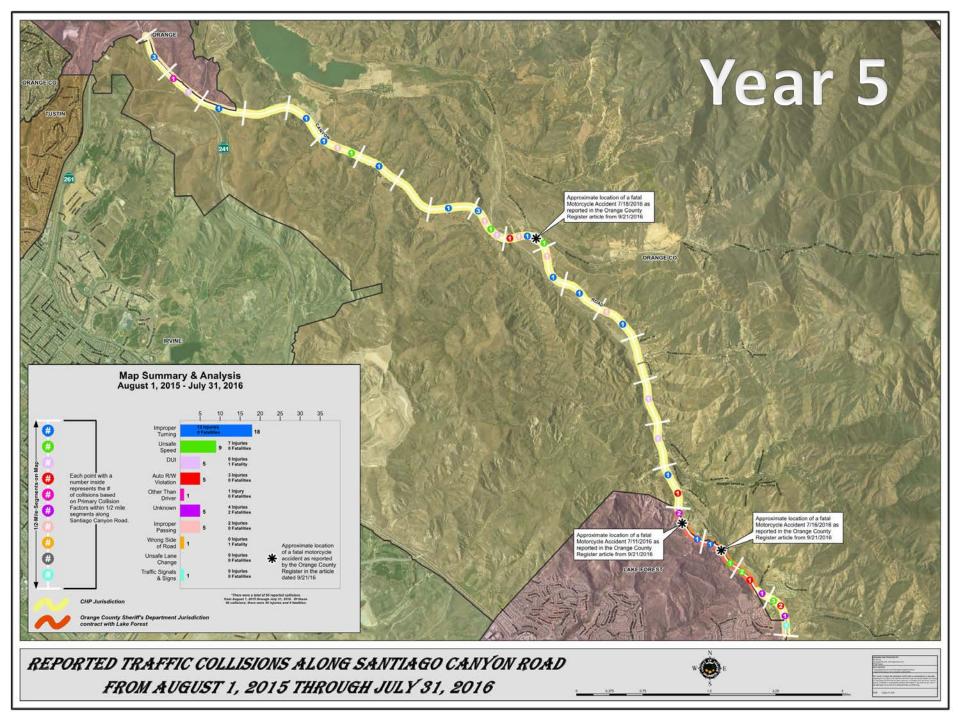
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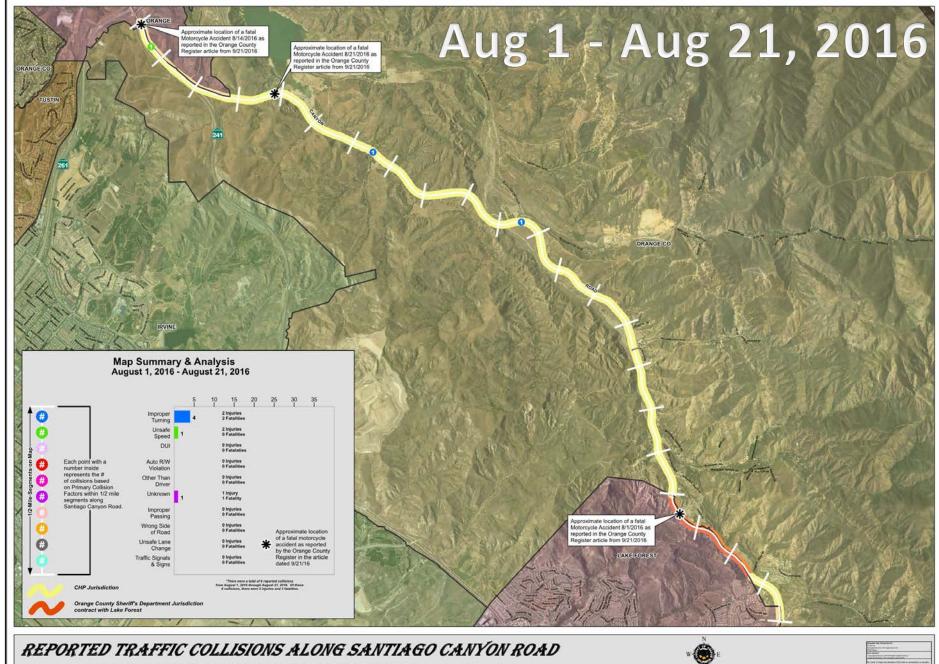


FROM AUGUST 1, 2013 THROUGH JULY 31, 2014



FROM AUGUST 1, 2014 THROUGH JULY 31, 2015





FROM AUGUST 1, 2016 THROUGH AUGUST 21, 2016

Summary

Data analyzed in the 2015 Safety Grant Application also revealed that crashes were mainly concentrated on three specific segments.

Based on accident data and subsequent field evaluations the following counter measures were selected for Safety Improvement Project:

High Friction Surface treatment

Curve Warning Signs

Delineators and flashing beacons

