

STATE ROUTE 174 SAFETY IMPROVEMENT PROJECT



The Problem

Collision History

Solutions

Caltrans and Save 174 working together

Changes & Results

Revised Design

What's Next

Continued Collaboration



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District

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The Problem

Collision History 2010-2013

This segment of SR 174 is experiencing a pattern of run off road collisions where drivers are losing control and leaving the roadway, where they strike a fixed object such as a tree or embankment. - Caltrans District 3, Approved Project Report, September 6, 2016

	SR 174	Statewide Average	
Total Collision Rate	2.02	1.22	1.7 times Statewide Average
Fatal Collision Rate	0.135	0.024	5.6 times Statewide Average
Fatal + Injury Collision Rate	1.35	0.56	2.4 times Statewide Average

If we do nothing, history will repeat itself.



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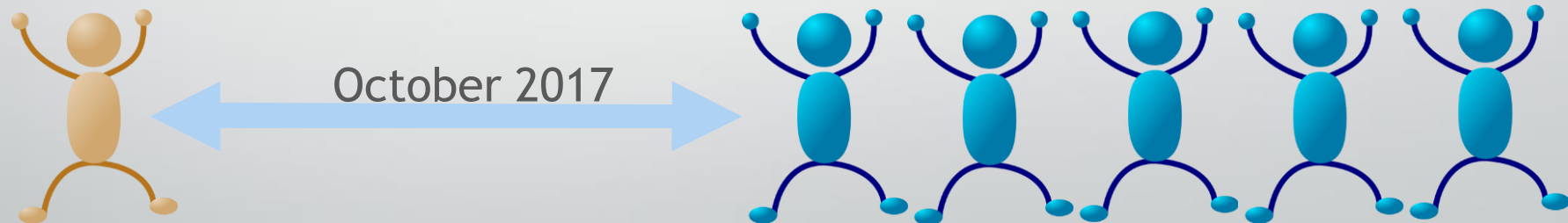


Mission

Provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability.

Goals

- Increase safety, BUT...
- Reduce scope.
- Minimize impacts to residents.
- Preserve rural and scenic qualities.
- Minimize private property acquisition.
- Reduce impact to biological resources.
- Actively engage the community.



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Solutions

Caltrans and Save 174 Collaboration

- Oct 2017 - Nevada County Board of Supervisors meeting *“Re-evaluate”*
- Dec 2017 - Caltrans/Save 174 subcommittee meeting *“No way!”*
- Jan 2018 - Caltrans/Save 174 subcommittee meeting *“Much better, but...”*
- Feb 2018 - Save 174 Design Recommendation Letter *“Like/Don’t Like”*
- Apr 2018 - Caltrans Response *“Yes/No”*
- Apr 2018 - Save 174 Response *“OK, but two concerns...”*
- Apr 2018 - Caltrans/Reg King meeting *“Yes/No”*
- Jul 2018 - Caltrans/Save 174 subcommittee meeting *“OK, don’t go away.”*



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Changes

Significant Changes to Caltrans Design:

	<u>October 2017</u>	<u>July 2018</u>
Slopes:	2:1cut / 3:1 fill	1:1cut / 2:1 fill
Clear Recovery Zone:	20' from ETW	No CRZ beyond cut/fill limits
Right of Way limits:	Catch point +10'	Catch point



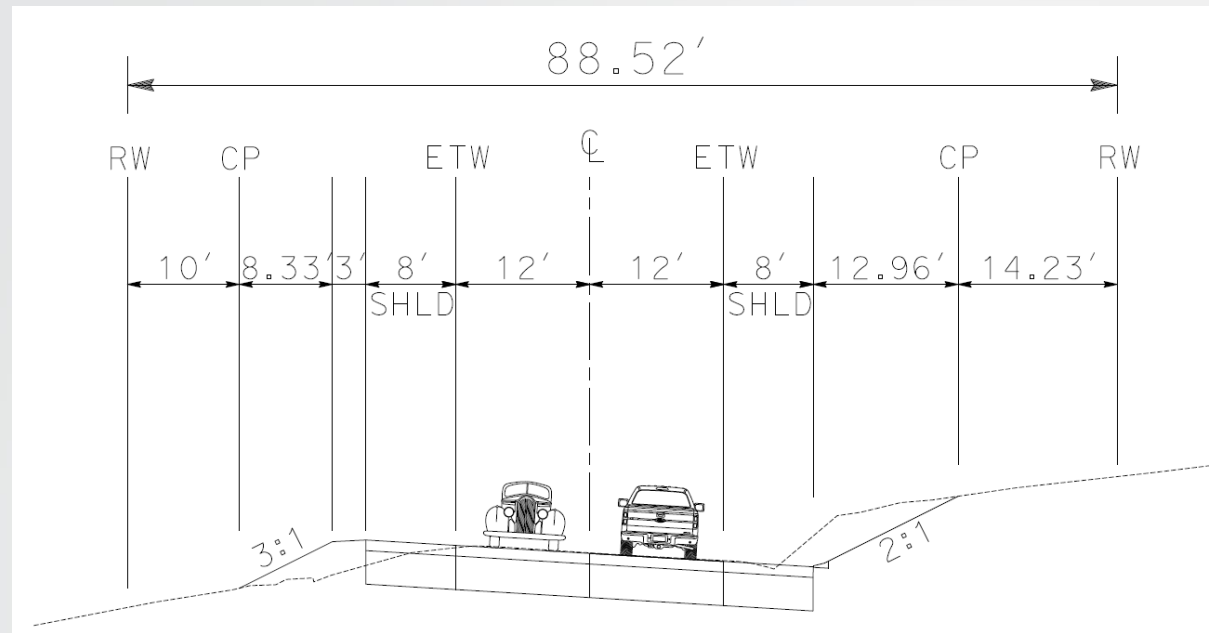
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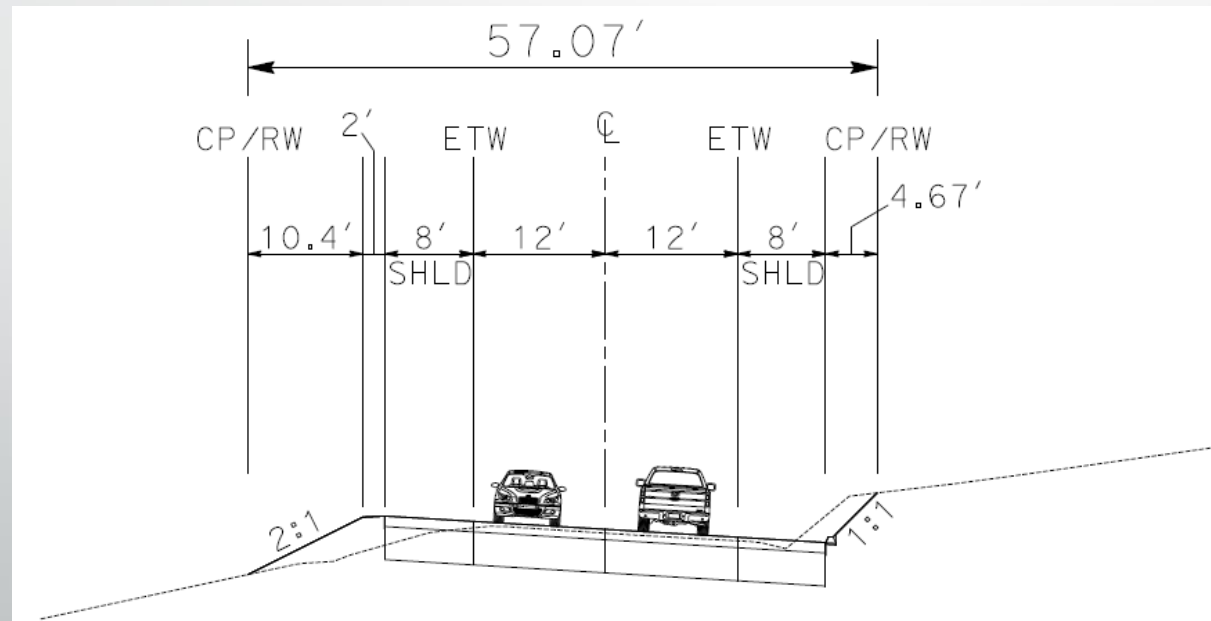
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October
2017



July
2018



STA 170+00.00



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Results

	<u>October 2017</u>	<u>July 2018</u>
Total width	120'-150'	50'-80'
# of Parcels (not incl. TCE)	49	32
Total Parcel Area	14.7 acres	3.6 acres
Tree Removal	1,700 trees	450 trees



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What's Next

- ❖ Design collaboration with Save 174 group
 - ❖ Traffic calming measures
 - ❖ Landscape design alternatives
- ❖ Right of Way appraisals/acquisition
- ❖ Construction to begin Spring 2020
 - ❖ Goal: Complete in 1 construction season



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