



A Tradition of Stewardship
A Commitment to Service

Department of Public Works

Milliken Creek Bridge At Trancas Street

Bridge No. 21C0051
August 19, 2014



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Background

- May 5, 2014



Photo: J.L. Sousa, courtesy *Napa Valley Register*



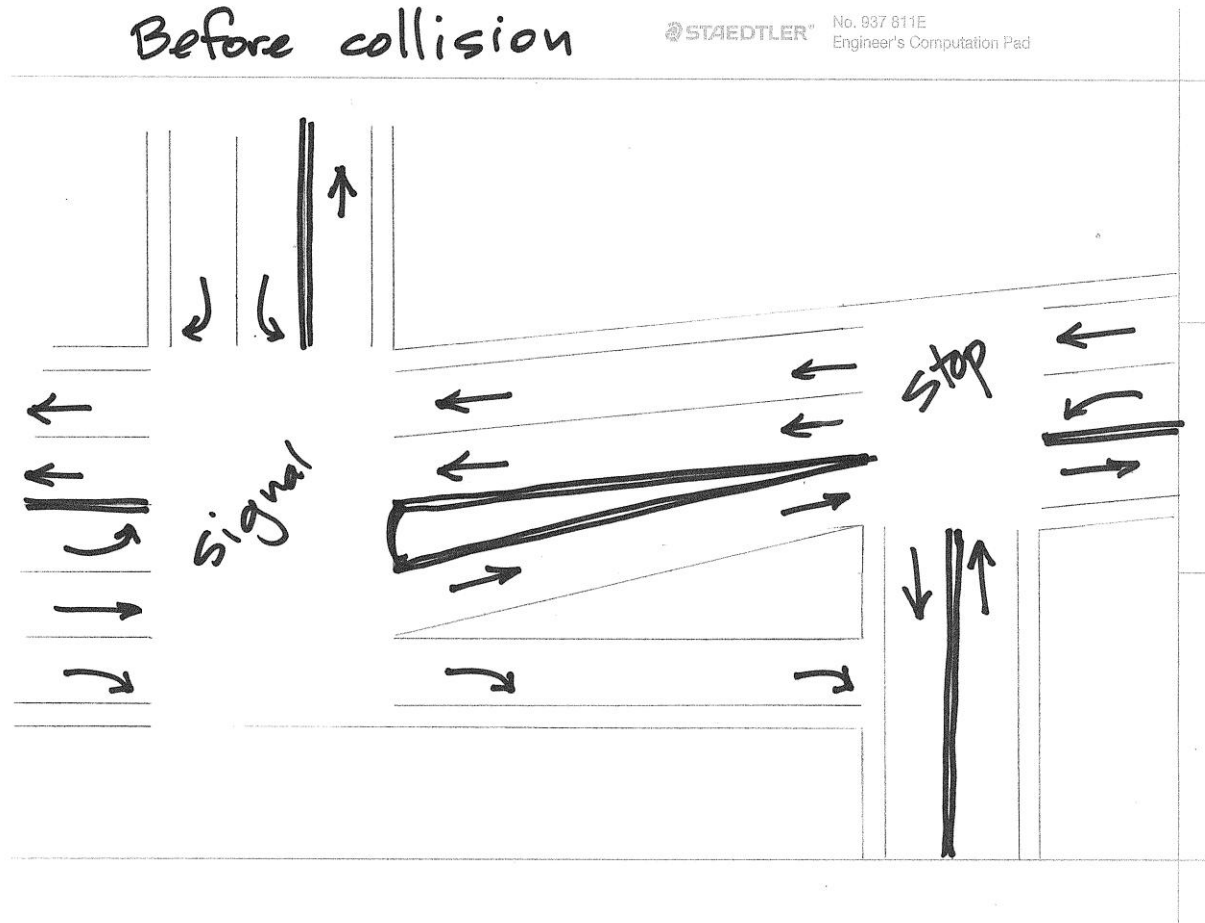
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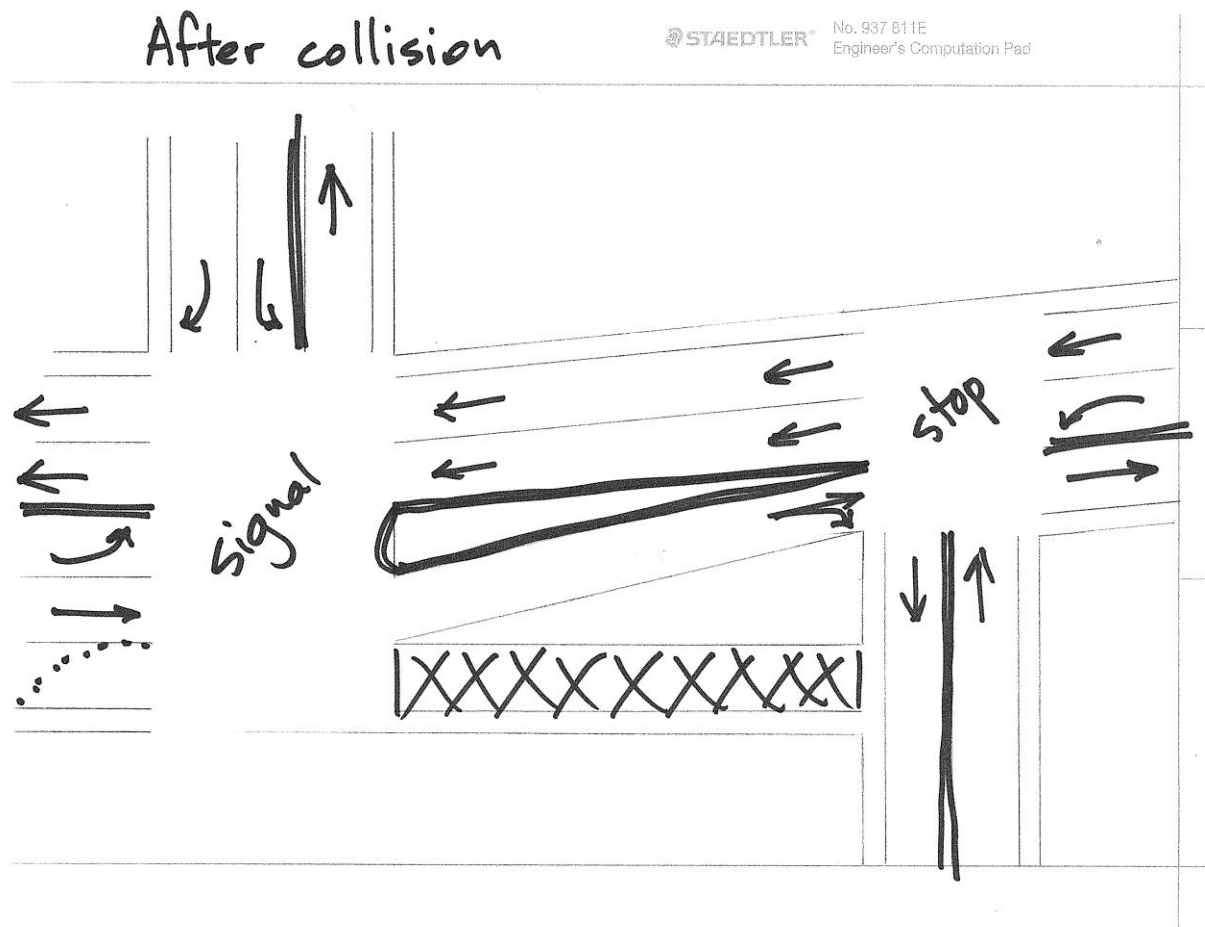
Interim Re-Striping (1)





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Interim Re-Striping (2)



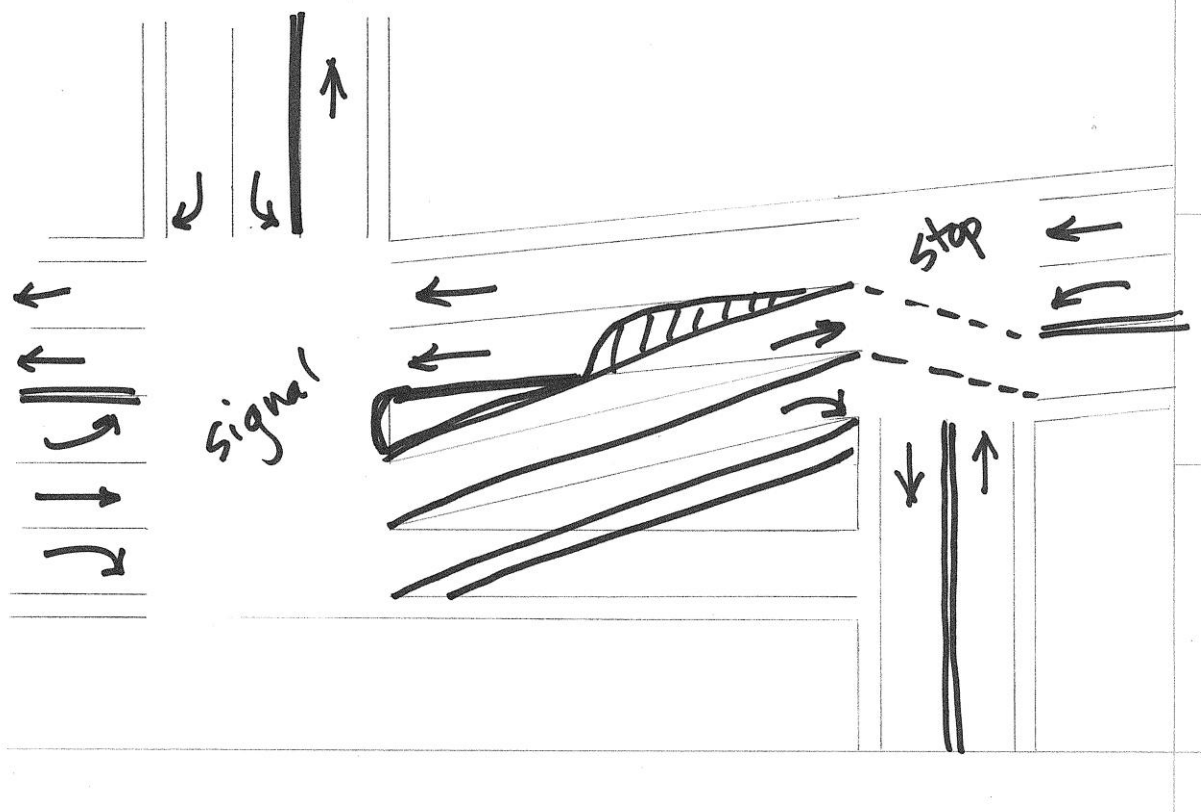


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Interim Re-Striping (3)

Re-striping concept

STAEDTLER® No. 937 811E
Engineer's Computation Pad





Condition Assessment

- Damaged railing, spandrel wall





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Condition Assessment

- Superficial Cracking





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Condition Assessment

- Scour





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Environmental Setting

- Historic Structure





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Alternatives

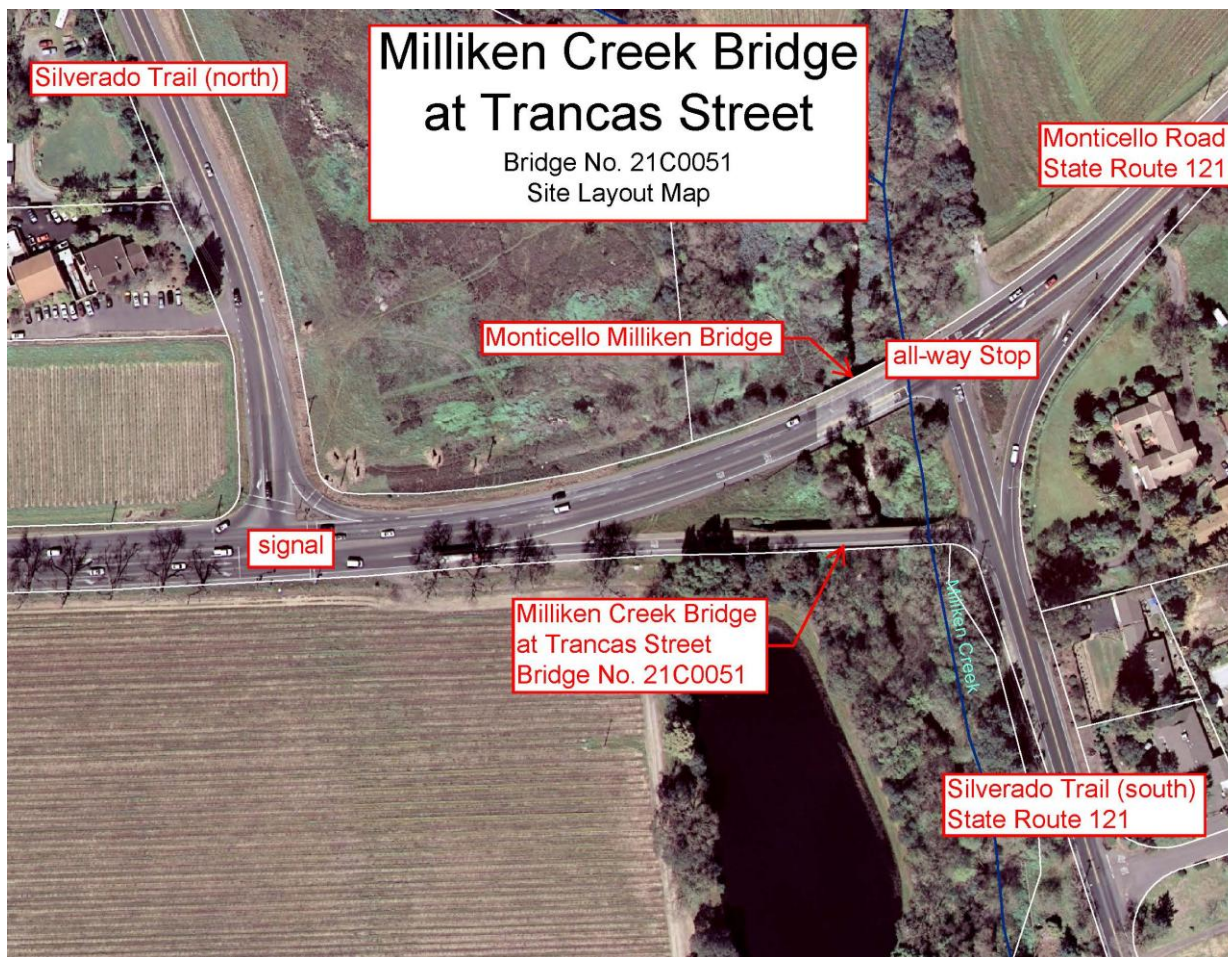
1. Railing & Spandrel Wall Repair
2. Milliken Creek Bridge Widening
3. Monticello Road Bridge Widening
4. Milliken Creek Bridge Realignment





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Layout Map





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Alternative 1

Railing & Spandrel Wall Repair





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Alternative 2

Milliken Creek Bridge Widening

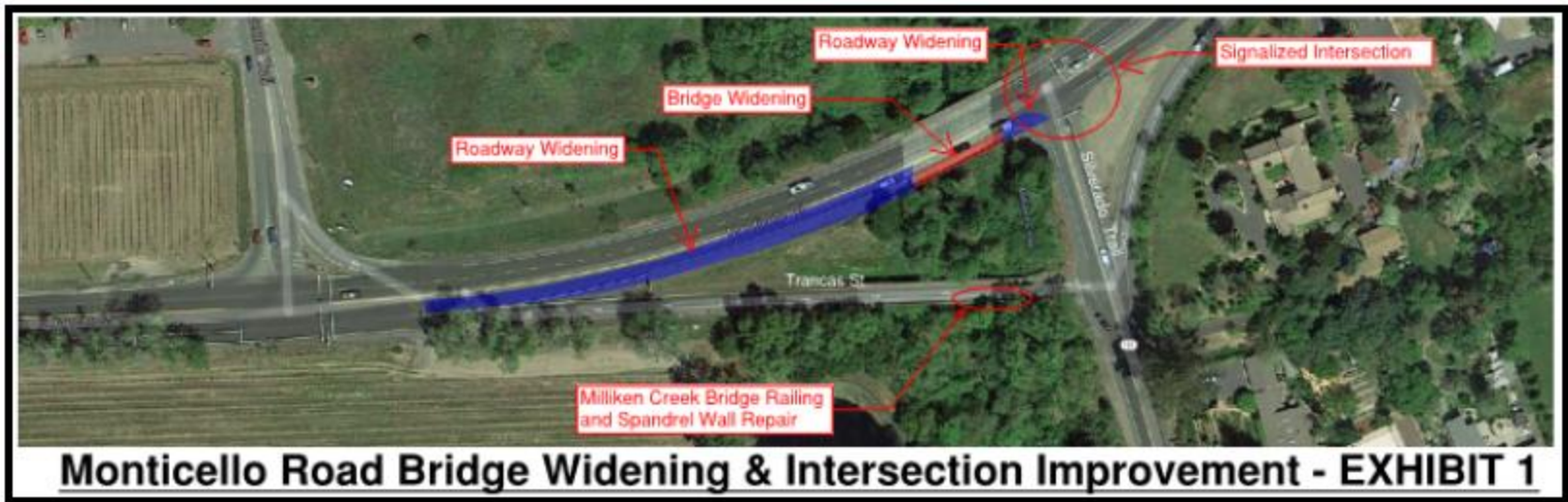




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Alternative 3

Monticello Road Bridge Widening





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Alternative 4

Milliken Creek Bridge Realignment





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Costs and Time Frames

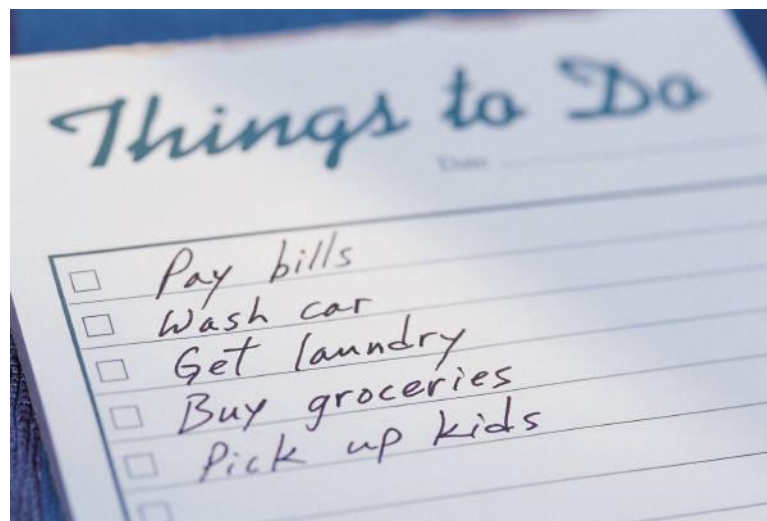
Alt #	County cost	Federal cost	Total Cost	Time
1	\$710,000	0	\$710,000	3 years
2	\$440,000	\$3,410,000	\$3,850,000	10 years
3	\$300,000	\$2,350,000	\$2,650,000	5 years
4	\$388,000	\$2,992,000	\$3,380,000	4 years



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Next Steps

- Staff to complete evaluation of alternatives
- Return to Board with recommendation
 - Alternative
 - Cost
 - Funding
- Initiate funding programming as needed





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Questions?

