

**Detailed Engineer's Estimate and Cost Breakdown by Countermeasure  
For Construction Items Only**

**Important: Read the Instructions in the other sheet before entering data.  
Do not enter in shaded fields (with formulas).**

Agency:	Trinity County DOT	Application ID:02-Trinity County-03	Prepared by:	Alex Mattson	Date:	4/26/2013
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**Project Description:**R32: Install chevron signs and curve warning signs

**Project Location:**Throughout Trinity County

Engineer's Estimate (for Construction Items Only)						Cost Breakdown										
						Safety-Related Costs								Non Safety-Related Costs		
						Countermeasure #1		Countermeasure #2		Countermeasure #3		Other Safety-Related				
Item No.	Item Description	Quantity	Units	Unit Cost	Total	%	\$	%	\$	%	\$	%	\$	%	\$	
1	Roadside Sign - One Post	161	ea	\$340.00	\$54,740	78.882	\$43,180	21.118	\$11,560							
2	Install roadside sign	161	ea	\$1,740.00	\$280,140	<b>78.882</b>	\$220,980	<b>21.118</b>	\$59,160							
3	Mobilization	1	ls	\$33,886.48	\$33,886									100	\$33,886	
4	Traffic Control	40	hr	\$99.00	\$3,985									100	\$3,985	
5														100		
6														100		
7														100		
8														100		
9														100		
10														100		
11														100		
12														100		
13														100		
14														100		
15														100		
16														100		
17														100		
<b>Sub Total of Construction Items:</b>					\$372,751		\$264,160		\$70,720						\$37,871	
<i>% of "Construction Items only" Cost per Countermeasure (Yellow fields - To be entered in TIMS B/C Calculator)</i>						<b>71%</b>	CM #1	<b>19%</b>	CM #2		CM #3		Other Safety	<b>10%</b>	Non Safety	
<b>Construction Item Contingencies (% of Con Items):</b> Enter in the cell to the right				<b>20.00%</b>	<b>74,550</b>											
<b>Total (Construction Items &amp; Contingencies):</b>					<b>447,400</b>	(Rounded up to the nearest hundreds)										

Engineer's Estimate (for Construction Items Only)	Cost Breakdown				
	Safety-Related Costs				Non Safety-Related Costs
	Countermeasure #1	Countermeasure #2	Countermeasure #3	Other Safety-Related	
Maximum "HSIP/Total" percentage allowed for Construction	90%				