

APPENDIX D

COST ESTIMATES OF SAFETY PROJECTS







	Project 1	: Citywide S	treet Light Inven	tory				
roject Limits: Citywide					_			
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Contro and Mobilization	
	Perform Photometric Analysis	EA	\$7,500.00	1	\$7,500			
	Upgrade Existing Street Lighting	EA	\$1,000.00	250	\$250,000			
Street Light Inventory and Installation	Installing New Street Lighting	EA	\$12,000.00	50	\$600,000	\$1,070,000	\$1,230,500	
5	Install Service Point	EA	\$10,000.00	10	\$100,000			
	Install Street Lighting Cable	LF	\$5.00	22500	\$112,500			
					Pro	ject Cost Total	\$1,230,500	
					Continge	ncy Cost(20%)	\$246,100	
						Subtotal	\$1,476,600	
					Engineeri	ng Costs(35%)	\$516,900	
Total								

	Project 2: Cit	ywide Sign Inve	ntory and Sign	Retroreflectivity						
Project Limits: Citywide			-							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Contro and Mobilization			
Sign Inventory and Installation	Remove Sign and Post	EA	\$200.00	2,290	\$458,000	\$1,374,000	\$1,580,100			
Sign inventory and installation	Install Sign and Post	EA	\$400.00	2,290	\$916,000	\$1,374,000	\$1,500,100			
					Proj	ect Cost Total	\$1,580,100			
					Continge	ncy Cost(20%)	\$316,100			
						Subtotal	\$1,896,200			
	ng Costs(25%)	\$474,100								
	Total									

	Project 3: Citywide Speed Study										
Project Limits: Citywide	ect Limits: Citywide										
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization				
Speed Study	Perform Speed Study	LS	\$20,000.00	1	\$20,000	\$120,000	\$138,000				
Speed Study	Install Dynamic/Variable Speed	EA	\$10,000.00	10	\$100,000	\$120,000	\$130,000				
					Proj	ect Cost Total	\$138,000				
					Continge	ncy Cost(20%)	\$27,600				
						Subtotal	\$165,600				
	Engineering Costs(25%)										
						Total	\$207,000				

	City o	f Colusa Cost Est	mate				
	,	Bicycle Safety Impro	vements				
Project Limits: 6th Street (from CM	Main St to Sioc St) Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Install Striping	LF	\$4.00	13800	\$55,200		
Class II Bike Lane	Install Pavement Marking	EA	\$250.00	76	\$19,000	\$89,400	\$102,900
Project Limits: Fremont St (10th	Install Sign and Post	EA	\$200.00	76	\$15,200		
CM	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
	Install Striping	LF	\$4.00	16000	\$64,000		
Class II Bike Lane	Install Pavement Marking	EA	\$250.00	34	\$8,500	\$79,300	\$91,200
Project Limits: 3rd St - Jay St - 4	Install Sign and Post	EA	\$200.00	34	\$6,800		
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
Class III Bike Route	Install Pavement Marking	EA	\$250.00	122	\$30,500	\$42,700	\$49,200
	Install Sign and Post	EA	\$200.00	61	\$12,200	. ,	
Project Limits: 3rd and Parkhill CM	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
	Remove Striping	LF	\$2.50	36	\$90		
Upgrade Pavement Markings	Install Striping	LF	\$4.00	36	\$144	\$1,134	\$1,400
opgiaae i avenient markings	Remove Pavement Marking	EA	\$200.00	2	\$400	<i>\\\\\\</i>	<i>\$1,100</i>
Remove street parking near the intersection/ Clear sight triangle	Install Pavement Marking Paint Red Curb	EA LF	\$250.00 \$4.00	2 400	\$500 \$1,600	\$1,600	\$1,900
Project Limits: Fremont and 1st							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
	Remove Striping	LF	\$2.50	36	\$90		
Upgrade Pavement Markings	Install Striping	LF	\$4.00	36	\$144	\$1,134	\$1,400
opgrade i avenient markings	Remove Pavement Marking	EA	\$200.00	2	\$400	Ψι,IJT	φ1, 1 00
	Install Pavement Marking	EA	\$250.00	2	\$500		

Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Sioc and Bridge	St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
LPI	Modify Signal Phasing to Implement a Lead Pedestrian Interval	LS	\$2,500.00	1	\$2,500	\$2,500	\$2,900
Advance stop bar	Install Stop Bar	LF	\$8.00	120	\$960	\$960	\$1,200
Project Limits: 3rd St (Jay St to	Victoria Way)						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatic
	Site Preparation and Removal	SF	\$12.00	7500	\$90,000		
	Install Sidewalk	SF	\$20.00	7500	\$150,000		
	Install Curb Ramp	EA	\$10,000.00	12	\$120,000	to=0.000	t 10 1
Fill Sidewalk Gap	Install Curb and Gutter	LF	\$40.00		\$0	\$378,000	\$434,700
	Install Driveway	EA	\$5,000.00		\$0		
	Allowance for Drainage	LS	\$18,000.00	1	\$18,000		
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	8	\$8,000	\$8,000	\$9,200
Improve Sign Visibilty							
Project Limits: 6th St (Main St t	o Sioc St)		•	• •			
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
	Site Preparation and Removal	SF	\$12.00	20700	\$248,400		
	Install Sidewalk	SF	\$20.00	20700	\$414,000		
ADA compliant sidewalks and	Install Curb Ramp	EA	\$10,000.00	59	\$590,000		
curb ramps	Install Curb and Gutter	LF	\$40.00		\$0	\$1,335,200	\$1,535,500
	Install Driveway	EA	\$5,000.00		\$0		
			\$3,000.00				
	,	LS	\$3,000.00	1	\$82,800		
Upgrade Pavement Markings	Allowance for Drainage			1	\$82,800		
Upgrade Pavement Markings Crosswalk Enhancement	,			1	\$82,800 \$4,000	\$4,000	\$4,600
	Allowance for Drainage	LS	\$82,800.00			\$4,000	\$4,600
	Allowance for Drainage Install High Visibility Crosswalk	LS EA	\$82,800.00 \$1,000.00	4	\$4,000	\$4,000 \$806,500	\$4,600
Crosswalk Enhancement	Allowance for Drainage Install High Visibility Crosswalk Install Street Light Pole	LS EA EA	\$82,800.00 \$1,000.00 \$17,000.00	4 18	\$4,000 \$306,000		
Crosswalk Enhancement	Allowance for Drainage Install High Visibility Crosswalk Install Street Light Pole Install Street Lighting Conduit Install Service Point	LS EA EA LF	\$82,800.00 \$1,000.00 \$17,000.00 \$75.00	4 18 4140	\$4,000 \$306,000 \$310,500		
Crosswalk Enhancement	Allowance for Drainage Install High Visibility Crosswalk Install Street Light Pole Install Street Lighting Conduit Install Service Point	LS EA EA LF	\$82,800.00 \$1,000.00 \$17,000.00 \$75.00	4 18 4140	\$4,000 \$306,000 \$310,500		\$927,500 Total with Traffic
Crosswalk Enhancement Install Street Lighting Project Limits: Parkhill St (Brid	Allowance for Drainage Install High Visibility Crosswalk Install Street Light Pole Install Street Lighting Conduit Install Service Point ge Street to 13th Street):	LS EA EA LF EA	\$82,800.00 \$1,000.00 \$17,000.00 \$75.00 \$10,000.00	4 18 4140 19	\$4,000 \$306,000 \$310,500 \$190,000	\$806,500	\$927,500 Total with Traffic
Crosswalk Enhancement Install Street Lighting Project Limits: Parkhill St (Brid	Allowance for Drainage Install High Visibility Crosswalk Install Street Light Pole Install Street Lighting Conduit Install Service Point ge Street to 13th Street): Description	LS EA EA LF EA Unit	\$82,800.00 \$1,000.00 \$17,000.00 \$75.00 \$10,000.00 Unit Cost	4 18 4140 19 Quantity	\$4,000 \$306,000 \$310,500 \$190,000 Subtotal	\$806,500	\$927,500

СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizati
	Remove Striping	LF	\$2.50		\$0		
Lingua da Davana est Markinga	Install Striping	LF	\$4.00		\$0	¢000	¢1 100
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$900	\$1,100
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the ntersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
roject Limits: Parkhill St and 9	th St:						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizati
	Remove Striping	LF	\$2.50	20	\$50		
	Install Striping	LF	\$4.00	20	\$80	*500	¢700
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	1	\$200	\$580	\$700
	Install Pavement Marking	EA	\$250.00	1	\$250		
Remove street parking near the ntersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	200	\$800	\$800	\$1,000
roject Limits: Parkhill St and 8	th St:			•			
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizat
	Remove Striping	LF	\$2.50	40	\$100		
	Install Striping	LF	\$4.00	40	\$160	¢1 1 CO	¢1.400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,160	\$1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the ntersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
					• • • • •		
roject Limits: Parkhill St and 7	th St:						
roject Limits: Parkhill St and 7 CM	th St: Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizat
-		Unit	Unit Cost \$2.50	Quantity 40	Subtotal \$100	Total	
СМ	Description						Control and Mobilizat
-	Description Remove Striping	LF	\$2.50	40	\$100	Total \$1,160	
СМ	Description Remove Striping Install Striping	LF LF	\$2.50 \$4.00	40 40	\$100 \$160		Control and Mobiliza

СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Remove Striping	LF	\$2.50	40	\$100		
Lingua da Davana ant Markinga	Install Striping	LF	\$4.00	40	\$160	¢1 1CO	¢1 400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,160	\$1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Parkhill St and 5	th St:						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Remove Striping	LF	\$2.50	40	\$100		
	Install Striping	LF	\$4.00	40	\$160	¢1.1C0	¢1.400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,160	\$1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Parkhill St and 4	th St:						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Remove Striping	LF	\$2.50	40	\$100		
	Install Striping	LF	\$4.00	40	\$160	* 1 1 CO	<i>*</i> 4400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,160	\$1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the				100	¢1.coo	\$1,600	\$1,900
intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,000	\$1,500
		LF	\$4.00	400	\$1,600	\$1,000	\$1,500
intersection/ Clear sight triangle		Unit	\$4.00 Unit Cost	400 Quantity	\$1,600 Subtotal	Total	Total with Traffic Control and Mobilization
intersection/ Clear sight triangle Project Limits: Parkhill St and 2	nd St:						Total with Traffic
intersection/ Clear sight triangle Project Limits: Parkhill St and 2 CM	nd St: Description	Unit	Unit Cost		Subtotal	Total	Total with Traffic Control and Mobilization
intersection/ Clear sight triangle Project Limits: Parkhill St and 2	nd St: Description Remove Striping	Unit	Unit Cost \$2.50		Subtotal \$0		Total with Traffic
intersection/ Clear sight triangle Project Limits: Parkhill St and 2 CM	nd St: Description Remove Striping Install Striping	Unit LF LF	Unit Cost \$2.50 \$4.00		Subtotal \$0 \$0	Total	Total with Traffic Control and Mobilization
intersection/ Clear sight triangle Project Limits: Parkhill St and 2 CM	nd St: Description Remove Striping Install Striping Remove Pavement Marking	Unit LF LF EA	Unit Cost \$2.50 \$4.00 \$200.00		Subtotal \$0 \$0 \$0	Total	Total with Traffic Control and Mobilization

СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Remove Striping	LF	\$2.50		\$0		
Upgrade Pavement Markings	Install Striping	LF	\$4.00		\$0	\$0	\$0
opgrade Favement Markings	Remove Pavement Marking	EA	\$200.00		\$0	ΦŪ	ΦŪ
	Install Pavement Marking	EA	\$250.00		\$0		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	800	\$3,200	\$3,200	\$3,700
Project Limits: Parkhill St and B	ridge St:						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Remove Striping	LF	\$2.50		\$0		
Lie ave de Deversent Mericines	Install Striping	LF	\$4.00		\$0	\$0	¢o
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00		\$0	\$0	\$0
	Install Pavement Marking	EA	\$250.00		\$0		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
					Pr	oject Cost Total	\$3,320,700
Contingency Cost(20%)						ency Cost(20%)	\$664,200
Subtotal							\$3,984,900
Engineering Costs(35%)							\$1,394,800
						Total	\$5,379,700

	Project 5: Fremont Stre						
Project Limits: 10th St			•				
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Fremont St - Through and Left turn		LF	\$4.00	400	\$1,600	\$2,100	\$2,500
lanes	Install Pavement Marking	EA	\$250.00	2	\$500		
Install Pedestrian Hybrid Beacon (PHB)	Install Pedestrian Hybrid Beacon System Install High Visibility Crosswalk	LS EA	\$200,000.00 \$1,000.00	1	\$200,000 \$1,000	\$201,000	\$231,200
	Install Median Concrete	SF	\$1,000.00	200	\$5,000		
approaches 10th St	Install Median Curb	LF	\$40.00	400	\$16,000	\$21,000	\$24,200
Project Limits: 9th St		LI	\$ + 0.00	400	\$10,000		
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Clear sight triangle	Paint Red Curb	LF	\$4.00	200	\$800	\$800	\$1,000
Upgrade pedestrian crossing with a sign	Install Sign and Post	EA	\$200.00	4	\$800	\$800	\$1,000
Project Limits: 8th St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	200	\$800	\$800	\$1,000
Upgrade pedestrian crossing with a sign	Install Sign and Post	EA	\$200.00	4	\$800	\$800	\$1,000
Project Limits: 7th St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
LPI	Modify Signal Phasing to Implement a Lead Pedestrian Interval	LS	\$2,500.00	1	\$2,500	\$2,500	\$2,900
Project Limits: 6th St							I
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization

Remove street parking near the	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
intersection/ Clear sight triangle			,		, ,	, ,	. ,
Upgrade pedestrian crossing with a sign	Install Sign and Post	EA	\$200.00	4	\$800	\$800	\$1,000
Project Limits: 5th St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Bulb-outs	Install Bulbout	EA	\$15,000.00	4	\$60,000	\$140,000	\$161,000
	Install Curb Ramp	EA	\$10,000.00	8	\$80,000	\$140,000	\$101,000
Project Limits: 4th St		_					
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Install RRFB System (per Pole)	EA	\$10,000.00	2	\$20,000		
RRFB	Install High Visibility Crosswalk	EA	\$1,000.00	1	\$1,000	\$23,000	\$26,500
	Install Pedestrian Signage	EA	\$250.00	8	\$2,000		
Project Limits: 3rd St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
LPI	Modify Signal Phasing to Implement a Lead Pedestrian Interval	LS	\$2,500.00	1	\$2,500	\$2,500	\$2,900
Project Limits: 2nd St			l			L	
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Upgrade pedestrian crossing with a sign	Install Sign and Post	EA	\$200.00	4	\$800	\$800	\$1,000
Project Limits: 1st St							Total with Traffic
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Control and Mobilization

Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Upgrade pedestrian crossing with a sign	Install Sign and Post	EA	\$200.00	4	\$800	\$800	\$1,000
Project Limits: Bridge St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Traffic Signal	Install Traffic Signal (subject to warrant study)	EA	\$1,000,000.00	1	\$1,000,000	\$1,000,000	\$1,150,000
					Pre	oject Cost Total	\$1,629,600
					Conting	ency Cost(20%)	\$326,000
						Subtotal	\$1,955,600
					Engineer	ring Costs(35%)	\$684,500
						Total	\$2,640,100

	City of Colu						
Ducio et Linuites Oth Ct	Project 6: Sioc Stre	et Safety Im	provement				
Project Limits: 9th St CM	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
Project Limits: 8th St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatior
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
Project Limits: 7th St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Upgrade pedestrian crossing with	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
a sign	Install Sign and Post	EA	\$200.00	4	\$800	\$800	\$1,000
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: 6th St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Upgrade pedestrian crossing with	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
a sign	Install Sign and Post	EA	\$200.00	4	\$800	\$800	\$1,000
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: 5th St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Upgrade pedestrian crossing with	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
a sign	Install Sign and Post	EA	\$200.00	4	\$800	\$800	\$1,000
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	800	\$3,200	\$3,200	\$3,700
Project Limits: 4th St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatior

Upgrade pedestrian crossing with	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
a sign	Install Sign and Post	EA	\$200.00	4	\$800	\$800	\$1,000
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: 3rd St				1			
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
Project Limits: 2nd St					-		
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Upgrade pedestrian crossing with	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
a sign	Install Sign and Post	EA	\$200.00	4	\$800	\$800	\$1,000
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Bridge St		I		I	1	1	
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Protected Left Turn	Install Signal Modification	LS	\$100,000.00	1	\$100,000	\$100,000	\$115,000
					Pr	oject Cost Total	\$168,100
					Conting	ency Cost(20%)	\$33,700
						Subtotal	\$201,800
					Enginee	ring Costs(35%)	\$70,700
						Total	\$272,500

		chool Safety Impr					
Project Limits: Colus Ave to Har							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Site Preparation and Removal	SF	\$12.00	39480	\$473,760		
	Install Sidewalk	SF	\$20.00	39480	\$789,600		
ADA compliant sidewalks and	Install Curb Ramp	EA	\$10,000.00	20	\$200,000	¢1 (21 200	¢1.004.500
curb ramps	Install Curb and Gutter	LF	\$40.00		\$0	\$1,621,280	\$1,864,500
	Install Driveway	EA	\$5,000.00		\$0		
	Allowance for Drainage	LS	\$157,920.00	1	\$157,920		
	Install Striping	LF	\$4.00	4900	\$19,600		
Class II Bike Lane	Install Pavement Marking	EA	\$250.00	24	\$6,000	\$30,400	\$35,000
	Install Sign and Post	EA	\$200.00	24	\$4,800		
	Install Street Light Pole	EA	\$17,000.00	13	\$221,000		
Install Street Lighting	Install Street Lighting Conduit	LF	\$75.00	2940	\$220,500	\$491,500	\$565,300
5 5	Install Service Point	EA	\$10,000.00	5	\$50,000		
Pavement resurface	Removal and resurfacing of pavement	SF	\$8.00	98000	\$784,000	\$784,000	\$901,600
Pavement markings and striping	Install Striping	LF	\$4.00	4900	\$19,600	\$19,600	\$22,600
Project Limits: 8th St at Harris S	it						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
	Install RRFB System (per Pole)	EA	\$10,000.00	2	\$20,000		1 / • • •
RRFB	Install High Visibility Crosswalk	EA	\$1,000.00	1	\$1,000	\$23,000	\$26,500
	Install Pedestrian Signage	EA	\$250.00	8	\$2,000		
Advance stop bar	Install Stop Bar	LF	\$8.00	48	\$384	\$384	\$500
Project Limits: 8th St at Sioc St			-			-	
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
Advance stop bar	Install Stop Bar	LF	\$8.00	96	\$768	\$768	\$900
	Site Preparation and Removal	SF	\$12.00	780	\$9,360		
	Install Sidewalk	SF	\$20.00	780	\$15,600	ļ	
Fill Sidewalk Gap	Install Curb Ramp	EA	\$10,000.00	1	\$10,000	\$36,708	\$42,300
гш зиемак бар	Install Curb and Gutter	LF	\$40.00		\$0	\$30,700	₽ 4 2,300
	Install Driveway	EA	\$5,000.00		\$0]	
	Allowance for Drainage	LS	\$1,748.00	1	\$1,748		
Project Limits: 8th St at E Carso	n St						

СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Pavement resurface	Removal and resurfacing of pavement	SF	\$8.00	4500	\$36,000	\$36,000	\$41,400
	Remove Striping	LF	\$2.50	48	\$120		
	Install Striping	LF	\$4.00	48	\$192	¢1 010	¢1.400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,212	\$1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
Project Limits: 8th St at Fremon	t St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Install RRFB System (per Pole)	EA	\$10,000.00	2	\$20,000		
RRFB	Install High Visibility Crosswalk	EA	\$1,000.00	1	\$1,000	\$23,000	\$26,500
	Install Pedestrian Signage	EA	\$250.00	8	\$2,000		
Project Limits: Webster St: 10th				•	•		
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatior
Pavement resurface	Removal and resurfacing of pavement	SF	\$8.00	54000	\$432,000	\$432,000	\$496,800
	Remove Striping	LF	\$2.50	360	\$900		
Lie and a Decomposite Mandria and	Install Striping	LF	\$4.00	360	\$1,440	¢5.040	¢5,000
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	6	\$1,200	\$5,040	\$5,800
	Install Pavement Marking	EA	\$250.00	6	\$1,500		
Project Limits: Webster St and 8	3th St			-			
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatior
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
Project Limits: Webster St and	7th St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatior
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
					Pr	oject Cost Total	\$4,054,100
					Conting	ency Cost(20%)	\$810,900
						Subtotal	\$4,865,000
					Enginee	ring Costs(35%)	\$1,702,800
						Total	\$6,567,800

		t 8: Oak Street Improv					
Project Limits: Oak St & 14th St		to. Oak Street Inprov	ement				
CM	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	2	\$2,000	\$2,000	\$2,300
Advance stop bar	Install Stop Bar	LF	\$8.00	20	\$160	\$160	\$200
Stop Legend	Install Pavement Marking	EA	\$250.00	1	\$250	\$250	\$300
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	0	\$0	\$0	\$0
Project Limits: Oak St & 13th St					L		
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	2	\$2,000	\$2,000	\$2,300
	Remove Striping	LF	\$2.50	40	\$100		
Lie ere de Deversent Markinge	Install Striping	LF	\$4.00	40	\$160	¢1 1CO	¢1.400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,160	\$1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	0	\$0	\$0	\$0
Project Limits: Oak St & 12th St	•	•					•
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
	Remove Striping	LF	\$2.50	40	\$100		
Upgrade Pavement Markings	Install Striping	LF	\$4.00	40	\$160	\$1,160	\$1,400
opgrade Favement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,100	\$1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Oak St & 11th St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
	Remove Striping	LF	\$2.50	40	\$100		
Ungrado Payament Markings	Install Striping	LF	\$4.00	40	\$160	\$1,160	\$1,400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,10U	¢۱,400

	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Oak St & 10th St				1			
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	2	\$2,000	\$2,000	\$2,300
	Remove Striping	LF	\$2.50	0	\$0		
	Install Striping	LF	\$4.00	0	\$0	* 0	**
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	0	\$0	\$0	\$0
	Install Pavement Marking	EA	\$250.00	0	\$0		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Oak St & 9th St				L			
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
	Remove Striping	LF	\$2.50	40	\$100		
Ungrado Davement Markings	Install Striping	LF	\$4.00	40	\$160	\$1,160	\$1,400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,100	\$1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Oak St & 8th St					•		
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
	Remove Striping	LF	\$2.50	40	\$100		
Upgrade Pavement Markings	Install Striping	LF	\$4.00	40	\$160	\$1,160	\$1,400
opyrade ravement ividikillys	Remove Pavement Marking	EA	\$200.00	2	\$400	φ1,100	φ1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Oak St & 7th St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization

Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
	Remove Striping	LF	\$2.50	40	\$100		
Lie and a Development Marchinese	Install Striping	LF	\$4.00	40	\$160	¢1 100	¢1.400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,160	\$1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the							
intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Oak St & 6th St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatior
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
	Remove Striping	LF	\$2.50	40	\$100		
Ungrada Dayomont Markings	Install Striping	LF	\$4.00	40	\$160	¢1 160	¢1.400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,160	\$1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Oak St & 5th St			•				•
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatior
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	0	\$0	\$0	\$0
	Remove Striping	LF	\$2.50	0	\$0		
Lie ave de Deversent Markinge	Install Striping	LF	\$4.00	0	\$0	¢o	¢o
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	0	\$0	\$0	\$0
	Install Pavement Marking	EA	\$250.00	0	\$0		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	800	\$3,200	\$3,200	\$3,700
Project Limits: Oak St & 4th St							ł
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatior
	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
Crosswalk Enhancement				40	\$100		
Crosswalk Enhancement	Remove Striping	LF	\$2.50	10	4.00		
		LF LF	\$2.50	40	\$160	** ***	<i>t</i> () ()
Crosswalk Enhancement Upgrade Pavement Markings	Remove Striping Install Striping		\$4.00	40		\$1,160	\$1,400
	Remove Striping	LF			\$160	\$1,160	\$1,400

СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
	Remove Striping	LF	\$2.50	40	\$100		
Lie ave de Deversent Markinge	Install Striping	LF	\$4.00	40	\$160	¢1 1CO	¢1.400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,160	\$1,400
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the ntersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
roject Limits: Oak St & 2nd St	•						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
	Remove Striping	LF	\$2.50	40	\$100		
Ungrado Davoment Markings	Install Striping	LF	\$4.00	40	\$160	\$1,160	\$1,400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,100	
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Oak St & 1st St	•						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
	Remove Striping	LF	\$2.50	0	\$0		
Upgrade Pavement Markings	Install Striping	LF	\$4.00	0	\$0	\$0	\$0
opgrade ravement markings	Remove Pavement Marking	EA	\$200.00	0	\$0	4 0	φŪ
	Install Pavement Marking	EA	\$250.00	0	\$0		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Oak St & Bridge	St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
				4	\$4,000	\$4,000	¢4.000
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
Crosswalk Enhancement	Install High Visibility Crosswalk Remove Striping	EA LF	\$1,000.00 \$2.50	4 0	\$4,000	\$4,000	\$4,600
Crosswalk Enhancement					. ,	\$4,000	\$4,600

	Install Pavement Marking	EA	\$250.00	0	\$0		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Oak St Corridor							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Install Street Light Pole	EA	\$17,000.00	35	\$595,000		\$1,592,800
Install Street Lighting	Install Street Lighting Conduit	LF	\$75.00	8400	\$630,000	\$1,385,000	
	Install Service Point	EA	\$10,000.00	16	\$160,000		
Center Line	Install Striping	LF	\$4.00	14000	\$56,000	\$56,000	\$64,400
Pavement resurface	Removal and resurfacing of pavement	SF	\$8.00	280000	\$2,240,000	\$2,240,000	\$2,576,000
					Pro	oject Cost Total	\$4,331,700
					Conting	ency Cost(20%)	\$866,400
						Subtotal	\$5,198,100
					Engineer	ing Costs(35%)	\$1,819,400
						Total	\$7,017,500

	City of Co	olusa Cost Est	timate				
	Project 9: Improve Safet	ty on State Route	es (SR 20 and SR	45)			
roject Limits: Bridge St and Ma	irket St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Traffic Signal	Install Traffic Signal (subject to warrant study)	EA	\$1,000,000.00	1	\$1,000,000	\$1,000,000	\$1,150,000
roject Limits: Market St at 4th	St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
	Install RRFB System (per Pole)	EA	\$10,000.00	2	\$20,000		
RRFB	Install High Visibility Crosswalk	EA	\$1,000.00	1	\$1,000	\$23,000	\$26,500
	Install Pedestrian Signage	EA	\$250.00	8	\$2,000		
roject Limits: Market St at 5th	St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
Flashing beacon at STOP sign	Install Flashing Beacon System (per pole)	EA	\$15,000.00	2	\$30,000	\$30,000	\$34,500
roject Limits: Market St at 6th	St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
nstall Pedestrian Hybrid Beacon	Install Pedestrian Hybrid Beacon System	LS	\$200,000.00	1	\$200,000	¢201.000	¢221.200
(PHB)	Install High Visibility Crosswalk	EA	\$1,000.00	1	\$1,000	\$201,000	\$231,200
roject Limits: Market St at 7th	St						·
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
СМ	Description Install RRFB System (per Pole)	Unit	Unit Cost \$10,000.00	Quantity 2	Subtotal \$20,000	Total	
CM RRFB						Total \$23,000	
	Install RRFB System (per Pole)	EA	\$10,000.00	2	\$20,000		Control and Mobilizatio
RRFB	Install RRFB System (per Pole) Install High Visibility Crosswalk Install Pedestrian Signage	EA EA	\$10,000.00 \$1,000.00	2	\$20,000 \$1,000		Control and Mobilizatio
	Install RRFB System (per Pole) Install High Visibility Crosswalk Install Pedestrian Signage	EA EA	\$10,000.00 \$1,000.00	2	\$20,000 \$1,000		Control and Mobilizatio
RRFB roject Limits: Market St at 8th	Install RRFB System (per Pole) Install High Visibility Crosswalk Install Pedestrian Signage St	EA EA EA	\$10,000.00 \$1,000.00 \$250.00	2 1 8	\$20,000 \$1,000 \$2,000	\$23,000	Control and Mobilizatio \$26,500 Total with Traffic
RRFB roject Limits: Market St at 8th	Install RRFB System (per Pole) Install High Visibility Crosswalk Install Pedestrian Signage St Description	EA EA EA Unit	\$10,000.00 \$1,000.00 \$250.00 Unit Cost	2 1 8 Quantity	\$20,000 \$1,000 \$2,000 Subtotal	\$23,000	Control and Mobilizatio \$26,500 Total with Traffic

СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Install RRFB System (per Pole)	EA	\$10,000.00	2	\$20,000		
RRFB	Install High Visibility Crosswalk	EA	\$1,000.00	1	\$1,000	\$23,000	\$26,500
	Install Pedestrian Signage	EA	\$250.00	8	\$2,000		
Project Limits: 10th St from Fre	mont St to Harris St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Site Preparation and Removal	SF	\$12.00	11280	\$135,360		
	Install Sidewalk	SF	\$20.00	11280	\$225,600		
ADA compliant sidewalks and	Install Curb Ramp	EA	\$10,000.00	14	\$140,000	\$546,080	\$628,000
curb ramps	Install Curb and Gutter	LF	\$40.00		\$0	\$340,000	\$020,000
	Install Driveway	EA	\$5,000.00		\$0		
	Allowance for Drainage	LS	\$45,120.00	1	\$45,120		
Project Limits: SR 20 (10th St) a	nd Will S Green Ave	-	_		_		_
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Curve Warning and Chevron Signs	Install Sign and Post	EA	\$200.00	12	\$2,400	\$2,400	\$2,800
Curve advisory speed feedback sign	Install Dynamic/Variable Speed Warning Sign (Solar-Powered)	EA	\$15,000.00	2	\$30,000	\$30,000	\$34,500
Project Limits: SR 20 (10th St) a	nd Harris St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
CM Install medians	Description Install Median Concrete Install Median Curb	Unit SF LF	Unit Cost \$25.00 \$40.00	Quantity 200 400	Subtotal \$5,000 \$16,000	Total \$21,000	
Install medians Curve Warning and Chevron Signs	Install Median Concrete	SF	\$25.00	200	\$5,000		Control and Mobilization
Install medians Curve Warning and Chevron	Install Median Concrete Install Median Curb	SF LF	\$25.00 \$40.00	200 400	\$5,000 \$16,000	\$21,000	Control and Mobilization \$24,200
Install medians Curve Warning and Chevron Signs Curve advisory speed feedback	Install Median Concrete Install Median Curb Install Sign and Post Install Dynamic/Variable Speed Warning Sign (Solar-Powered)	SF LF EA	\$25.00 \$40.00 \$200.00	200 400 12	\$5,000 \$16,000 \$2,400	\$21,000 \$2,400	Control and Mobilization \$24,200 \$2,800
Install medians Curve Warning and Chevron Signs Curve advisory speed feedback sign	Install Median Concrete Install Median Curb Install Sign and Post Install Dynamic/Variable Speed Warning Sign (Solar-Powered)	SF LF EA	\$25.00 \$40.00 \$200.00	200 400 12	\$5,000 \$16,000 \$2,400	\$21,000 \$2,400	Control and Mobilization \$24,200 \$2,800
Install medians Curve Warning and Chevron Signs Curve advisory speed feedback sign Project Limits: 10th St and Park	Install Median Concrete Install Median Curb Install Sign and Post Install Dynamic/Variable Speed Warning Sign (Solar-Powered) hill St	SF LF EA EA	\$25.00 \$40.00 \$200.00 \$15,000.00	200 400 12 2	\$5,000 \$16,000 \$2,400 \$30,000	\$21,000 \$2,400 \$30,000	Control and Mobilization \$24,200 \$2,800 \$34,500 Total with Traffic
Install medians Curve Warning and Chevron Signs Curve advisory speed feedback sign Project Limits: 10th St and Park	Install Median Concrete Install Median Curb Install Sign and Post Install Dynamic/Variable Speed Warning Sign (Solar-Powered) hill St Description	SF LF EA EA	\$25.00 \$40.00 \$200.00 \$15,000.00 Unit Cost	200 400 12 2 Quantity	\$5,000 \$16,000 \$2,400 \$30,000 Subtotal	\$21,000 \$2,400 \$30,000	Control and Mobilization \$24,200 \$2,800 \$34,500 Total with Traffic

СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Install RRFB System (per Pole)	EA	\$10,000.00	2	\$20,000		
RRFB	Install High Visibility Crosswalk	EA	\$1,000.00	1	\$1,000	\$23,000	\$26,500
	Install Pedestrian Signage	EA	\$250.00	8	\$2,000		
Project Limits: Bridge St and Cla	y St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Install RRFB System (per Pole)	EA	\$10,000.00	2	\$20,000		
RRFB	Install High Visibility Crosswalk	EA	\$1,000.00	1	\$1,000	\$23,000	\$26,500
	Install Pedestrian Signage	EA	\$250.00	8	\$2,000		
					Pr	oject Cost Total	\$2,328,000
					Conting	ency Cost(20%)	\$465,600
						Subtotal	\$2,793,600
					Enginee	ring Costs(35%)	\$977,800
						Total	\$3,771,400

APPENDIX E

PROJECT PRIORITIZATION CALCULATION







Project	Safety Banefites (30%)	Vulnerable Users (15%)	School Impact (15%)	Equity Impact (10%)	Public Engagement (10%)	Ease of Implementation (20%)	Final Score
Project 1: Citywide Street Light Inventory	10	10	10	10	10	10	10
Project 2: Citywide Sign Inventory and Sign Retroreflectivity	10	10	10	10	10	10	10
Project 3: Citywide Speed Study	10	10	10	10	10	10	10
Project 4: Bicycle Safety Improvements	10	10	10	10	10	5	9
Project 5: Fremont Street Safety Improvement	5	10	10	0	10	5	6.5
Project 6: Sioc Street Safety Improvements	5	10	0	10	10	5	6
Project 7: School Safety Improvement	2	10	10	10	10	5	6.6
Project 8: Oak Street Safety Improvement	2	10	0	0	0	5	3.1
Project 9: Improve Safety on State Routes (SR 20 and SR 45)	10	10	10	10	10	5	9

Fatal	Severe Injury	Visible Injury	Complain of Pain	Severity Weight
1	1	10	17	43
1	1	6	12	30
0	1	4	9	20
0	0	1	1	3
0	0	2	3	7
2	2	6	10	34

Buckets (for BCR)	Value
Highest Value	43
Lowest Value	3
Group Range	40
Bucket 1 (2 points)	3 - 16
Bucket 2 (5 points)	17 - 30
Bucket 3 (10 points)	31 - 43