

APPENDIX D

COST ESTIMATES OF SAFETY PROJECTS





			COSt Estimate								
	Project 1	: Citywide S	treet Light Inven	tory							
roject Limits: Citywide											
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control 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				
,	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	ency Cost(20%)	\$246,100				
						Subtotal	\$1,476,600				
					Engineeri	ng Costs(35%)	\$516,900				
						Total	\$1,993,500				

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	Project 2: Cit	ywide Sign Inve	ntory and Sign	Retroreflectivity	,		
Project Limits: Citywide							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control 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
					Pro	ect Cost Total	\$1,580,100
					Continge	ncy Cost(20%)	\$316,100
						Subtotal	\$1,896,200
					Engineeri	ng Costs(25%)	\$474,100
						Total	\$2,370,300

	any or colube cost is a made									
	Project 3: Citywide Speed Study									
Project Limits: Citywide	pject 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	\$150,000			
					Proj	ect Cost Total	\$138,000			
					Continge	ncy Cost(20%)	\$27,600			
						Subtotal	\$165,600			
	Engineering Costs(25%)									
						Total	\$207,000			

		T Colusa Cost Est					
During the Cale Course of form	-	: Bicycle Safety Impro	vements				
Project Limits: 6th Street (from	Main St to Sioc St)						
СМ	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
	Install Sign and Post	EA	\$200.00	76	\$15,200		
Project Limits: Fremont St (10th	St to Bridge St)						
СМ	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
	Install Sign and Post	EA	\$200.00	34	\$6,800		
Project Limits: 3rd St - Jay St - 4	Ith St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
Class III Pika Pauta	Install Pavement Marking	EA	\$250.00	122	\$30,500	¢42.700	\$40,200
Class III Bike Route	Install Sign and Post	EA	\$200.00	61	\$12,200	\$42,700	\$49,200
Project Limits: 3rd and Parkhill							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Remove Striping	LF	\$2.50	36	\$90		
Lineane de Devene ent Maultin na	Install Striping	LF	\$4.00	36	\$144	¢1 124	¢1 400
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,134	\$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: Fremont and1st							
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 ravernerit ividikiligs	Remove Pavement Marking	EA	\$200.00	2	\$400	⊅1,13 4	
	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 S	St Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
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 Mobilization
	Site Preparation and Removal	SF	\$12.00	7500	\$90,000		
	Install Sidewalk	SF	\$20.00	7500	\$150,000		
5:11.6:1	Install Curb Ramp	EA	\$10,000.00	12	\$120,000	#370.000	t 12 1 700
Fill Sidewalk Gap	Install Curb and Gutter	LF	\$40.00		\$0	\$0 \$378,000 \$434	\$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 Mobilization
	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		
	Allowance for Drainage	LS	\$82,800.00	1	\$82,800		
Upgrade Pavement Markings							
Crosswalk Enhancement	Install High Visibility Crosswalk	EA	\$1,000.00	4	\$4,000	\$4,000	\$4,600
	Install Street Light Pole	EA	\$17,000.00	18	\$306,000		
Install Street Lighting	Install Street Lighting Conduit	LF	\$75.00	4140	\$310,500	\$806,500	\$927,500
	Install Service Point	EA	\$10,000.00	19	\$190,000		
Project Limits: Parkhill St (Brid	ge Street to 13th Street):						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Install Striping	LF	\$4.00	20800	\$83,200		
	Install Deveneent Marking	EA	\$250.00	56	\$14,000	\$108,400	\$124,700
Class II Bike Lane	Install Pavement Marking	EA	\$230.00	30	\$14,000	\$100,400	\$124,700

Project Limits: Parkhill St and 10	Oth St:						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Remove Striping	LF	\$2.50		\$0		
Un avada Davanant Madinas	Install Striping	LF	\$4.00		\$0	\$900	\$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 intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Parkhill St and 9t	th St:						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Remove Striping	LF	\$2.50	20	\$50		
	Install Striping	LF	\$4.00	20	\$80		+
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 intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	200	\$800	\$800	\$1,000
Project Limits: Parkhill St and 8	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	¢4.460	¢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 7	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	¢1.460	¢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	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
intersection/ Clear sight triangle					<u> </u>		

СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
	Remove Striping	LF	\$2.50	40	\$100		
Upgrade Pavement Markings	Install Striping	LF	\$4.00	40	\$160	\$1,160	\$1,400
Opgrade 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: 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		
Lingrado Dayamant 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: 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		
Upgrade Pavement Markings	Install Striping	LF	\$4.00	40	\$160	\$1,160	\$1,400
opgrade Favernent Markings	Remove Pavement Marking	EA	\$200.00	2	\$400	\$1,100	\$1,400
	L . U.D A.A. L.:						
	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb	EA LF	\$250.00 \$4.00	400	\$500 \$1,600	\$1,600	\$1,900
Remove street parking near the	Paint Red Curb					\$1,600	\$1,900
Remove street parking near the intersection/ Clear sight triangle	Paint Red Curb					\$1,600 Total	\$1,900 Total with Traffic Control and Mobilization
Remove street parking near the intersection/ Clear sight triangle Project Limits: Parkhill St and 2 CM	Paint Red Curb	LF	\$4.00	400	\$1,600		Total with Traffic
Remove street parking near the intersection/ Clear sight triangle Project Limits: Parkhill St and 2 CM	Paint Red Curb Description Remove Striping Install Striping	LF Unit	\$4.00 Unit Cost	400	\$1,600 Subtotal \$0 \$0	Total	Total with Traffic Control and Mobilization
Remove street parking near the intersection/ Clear sight triangle Project Limits: Parkhill St and 2 CM	Paint Red Curb The stription Remove Striping	LF Unit	\$4.00 Unit Cost \$2.50	400	\$1,600 Subtotal		Total with Traffic
Remove street parking near the intersection/ Clear sight triangle Project Limits: Parkhill St and 2 CM	Paint Red Curb Description Remove Striping Install Striping	Unit LF LF	\$4.00 Unit Cost \$2.50 \$4.00	400	\$1,600 Subtotal \$0 \$0	Total	Total with Traffic Control and Mobilization
Remove street parking near the intersection/ Clear sight triangle Project Limits: Parkhill St and 2 CM	Paint Red Curb The Curb Description Remove Striping Install Striping Remove Pavement Marking Install Pavement Marking Paint Red Curb	Unit LF LF EA	\$4.00 Unit Cost \$2.50 \$4.00 \$200.00	400	\$1,600 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		
Harmada Davisia ant Marilia an	Install Striping	LF	\$4.00		\$0	¢0	40
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	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		
Harmada Davisia ant Marilia an	Install Striping	LF	\$4.00		\$0	¢0	40
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
	Paint Red Curb	LF	\$4.00	400		\$1,600 oject Cost Total	
	Paint Red Curb	LF	\$4.00	400	Pro		\$3,320,700
	Paint Red Curb	LF	\$4.00	400	Pro	oject Cost Total	\$3,320,700 \$664,200

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 LS	\$250.00	2 1	\$500		
Install Pedestrian Hybrid Beacon (PHB)	Install Pedestrian Hybrid Beacon System Install High Visibility Crosswalk	EA	\$200,000.00 \$1,000.00	1	\$200,000 \$1,000	\$201,000	\$231,200
Install medians at the intersection	3 ,	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	install Median Curb	LI	\$40.00	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	1		<u> </u>		<u> </u>		
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization

		1	1	1		Г	
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: 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	I.				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							
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: 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
					Pro	oject Cost Total	\$1,629,600
					Conting	ency Cost(20%)	\$326,000
Subtotal						\$1,955,600	
					Engineer	ing Costs(35%)	\$684,500
						Total	\$2,640,100

	Project 6: Sioc Street	t Safety Imp					
Project Limits: 9th 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
Project Limits: 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
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		<u> </u>	•	<u> </u>	<u>.</u>		
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		<u> </u>	•	<u> </u>	<u>.</u>		
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 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: 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
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					•		
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
						oject Cost Total	
					Conting	ency Cost(20%)	
						Subtotal	, , , , , , , , , , , , , , , , , , , ,
					Enginee	ring Costs(35%)	
						Total	\$272,500

		School Safety Impro					
roject Limits: Colus Ave to Har							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizatio
	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	\$1,621,280	\$1,864,500
curb ramps	Install Curb and Gutter	LF	\$40.00		\$0	\$1,021,200	\$1,004,500
	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
roject Limits: 8th St at Harris S	t						
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
	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		
Advance stop bar	Install Stop Bar	LF	\$8.00	48	\$384	\$384	\$500
roject 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		
Fill Cidence II. C	Install Curb Ramp	EA	\$10,000.00	1	\$10,000	#26 7 00	f 42 200
Fill Sidewalk Gap	Install Curb and Gutter	LF	\$40.00		\$0	\$36,708	\$42,300
	Install Driveway	EA	\$5,000.00		\$0		
	Allowance for Drainage	LS	\$1,748.00	1	\$1,748		
oject Limits: 8th St at E Carsor		<u> </u>					•

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	44.040	* 1.100
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 Fremor			•	•			
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 Mobilizatio
Pavement resurface	Removal and resurfacing of pavement	SF	\$8.00	54000	\$432,000	\$432,000	\$496,800
	Remove Striping	LF	\$2.50	360	\$900		
Lingua da Daviana ant Maulinasa	Install Striping	LF	\$4.00	360	\$1,440	\$5,040	\$5,800
Upgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	6	\$1,200	\$5,040	
	Install Pavement Marking	EA	\$250.00	6	\$1,500		
Project Limits: Webster St and	8th 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
Project Limits: Webster St and	7th 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
					Pro	oject Cost Total	\$4,054,100
					Conting	ency Cost(20%)	\$810,900
						Subtotal	\$4,865,000
					Engineer	ing Costs(35%)	\$1,702,800

		f Colusa Cost Est					
		8: Oak Street Improv	rement				
Project Limits: Oak St & 14th 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	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				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		
	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	0	\$0	\$0	\$0
Project Limits: Oak St & 12th St		<u>'</u>		<u> </u>			
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		
	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: Oak St & 11th St		1					
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	\$1,160	\$1,400

	Install Pavement Marking	EA	\$250.00	2	\$500		
Remove street parking near the			4		*****	44.000	44.000
intersection/ Clear sight triangle	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900
Project Limits: Oak St & 10th 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	2	\$2,000	\$2,000	\$2,300
	Remove Striping	LF	\$2.50	0	\$0		
Lingrado Dayomont Markingo	Install Striping	LF	\$4.00	0	\$0	\$0	\$0
opgrade Favernent Markings	Remove Pavement Marking	EA	\$200.00	0	\$0	\$ 0	\$U
	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							
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
opgrade Favernent 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
	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 raveillent ivialkings	Remove Pavement Marking	EA	\$200.00	2	\$400	φ1,100	₽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 & 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			
	Install Striping	LF	\$4.00	40	\$160	*4.460	44.400	
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	Paint Red Curb	LF	\$4.00	400	\$1,600	\$1,600	\$1,900	
intersection/ Clear sight triangle					. ,		` '	
Project Limits: Oak St & 6th 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	
opgrade Favernerit 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 & 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	0	\$0	\$0	\$0	
	Remove Striping	LF	\$2.50	0	\$0			
Linewada Davamant Madinas	Install Striping	LF	\$4.00	0	\$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	800	\$3,200	\$3,200	\$3,700	
Project Limits: Oak St & 4th St				<u> </u>				
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			
	Install Striping	LF	\$4.00	40	\$160	#4.150	da 100	
Lingrado Dayomont Markingo		EA	\$200.00	2	\$400	\$1,160	\$1,400	
Opgrade Pavement Markings	Remove Pavement Marking	EA	\$200.00	_	Ψ -1 00			
opgrade Pavement Markings	Remove Pavement Marking Install Pavement Marking	EA	\$200.00	2	\$500			

Project Limits: Oak St & 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
	Remove Striping	LF	\$2.50	40	\$100		
Ungrada Dayamant 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 & 2nd 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
	Remove Striping	LF	\$2.50	40	\$100		
Ungrada Dayamant 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 & 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		
Hararda Davissa ant Markinsa	Install Striping	LF	\$4.00	0	\$0	¢0	40
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 & Bridge S	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		
	Install Striping	LF	\$4.00	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 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			
Install Street Lighting	Install Street Lighting Conduit	LF	\$75.00	8400	\$630,000	\$1,385,000	\$1,592,800	
	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	
Contingency Cost(20%)								
Subtotal								
Engineering Costs(35%)								
				•	•	Total	\$7,017,500	

	Project 9: Improve Saf	ety on State Rout	es (SR 20 and SR	45)				
roject Limits: Bridge St and Ma	arket 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 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			
oject Limits: Market St at 5th	St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization	
Flashing beacon at STOP sign	Install Flashing Beacon System (per pole)	EA	\$15,000.00	2	\$30,000	\$30,000	\$34,500	
oject Limits: Market St at 6th								
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizati	
nstall Pedestrian Hybrid Beacon	Install Pedestrian Hybrid Beacon System	LS	\$200,000.00	1	\$200,000	t001 000	¢224.200	
(PHB)	Install High Visibility Crosswalk	EA	\$1,000.00	1	\$1,000	\$201,000	\$231,200	
oject Limits: Market St at 7th	St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizati	
	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			
oject Limits: Market St at 8th	St							
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilizati	
	Install RRFB System (per Pole)	EA	\$10,000.00	2	\$20,000	<u> </u>		
DDED	Install High Visibility Crosswalk	EA	\$1,000.00	1	\$1,000	\$23,000	\$26,500	
RRFB			+					

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 Fren	nont 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) ar	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) ar	nd Harris St						
СМ	Description	Unit	Unit Cost	Quantity	Subtotal	Total	Total with Traffic Control and Mobilization
lo stall os adiana	Install Median Concrete	SF	\$25.00	200	\$5,000	¢21.000	¢24200
Install medians	Install Median Curb	LF	\$40.00	400	\$16,000	\$21,000	\$24,200
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: 10th St and Parkh	nill 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		77
Project Limits: 10th St and Webs	ster 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: 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		
					Pro	oject Cost Total	\$2,328,000
	Contingency Cost(20%)						
Subtotal							\$2,793,600
Engineering Costs(35%)							
						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