# APPENDIX E: ACCESS COMPLIANCE SURVEY REPORT OF PEDESTRIAN SIGNALS



# **City of Madera**

# **Appendix E: Pedestrian Signals Access Compliance Survey Report**

# **Table of Contents**

- I. Access Compliance Survey Report
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- II. Pedestrian Signals List
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# **NAVIGATION & LEGEND**

Survey Street (3

**Cross Street** 

Orientation

**Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2** 

ADA 2010: 305.1 CBC 2019: 11B-305.1 Measurements

Clear Floor Space

As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement:

Proposed Solution:

Modify or repaye the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

Unit Cost Priority

\$7950.00 82

**(**11

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	2.8
	Clear Floor X Slope	(%)	0.5
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

**Locator Number:** 

Corresponds to a unique database record tied to the specific pedestrian signal which can be crossreferenced across this database and its corresponding FileMaker Pro and GIS databases.

Orientation:

Corresponds to the specific corner/pedestrian signal in any given intersection, unique to each corner:

- NW, SW, SE, and NE are the most commonly used directions;
- NNE, ENE, ESE, SSE, SSW, WSW, WNW, and NNW identify individual pedestrian signal system in situations involving multiple signal systems at one corner;
- I-NW, I-NE, I-SW, I-SE, etc, identify pedestrian signal systems located on medians and pedestrian refuge island. Survey street name.

**Survey Street:** 3.

- As-Built Description:
- As-is Measurement:
- **Proposed Solution:** 6.
- **Cross Street:** 7.
- Codes / Info:

Description of as-built barrier based on applicable accessibility codes. Existing condition/dimension featured on the signal system measured as the most severe barrier on the particular signal.

Description of steps necessary to remove barrier and, if applicable, an interim solution or notes. Cross/intersecting street name.

- PROWAG: Guidelines to enforce Federal accessibility standards in the public rights-of-way. - ADAAG/ADA 2010: The Federal Standard for accessibility adopted by the Department of Justice. - MUTCD The FHWA standards for traffic signs, road surface markings, and signals.

- CBC 2019 California Building Code

Estimated cost specific solution per one unit. (The final cost of barrier removal may exceed this estimate based on the year of mitigation, design approach and chosen method of mitigation)

Priority number assigned to specific barrier based on priorization criteria which include: expected frequency of use and severity of the barrier. Measureed on a scale of 0 to 200, with 200 being the highest priority and 0 being the least. Features of the pedestrian signal system measured to determine accessibility.

Existing condition/dimension determined for each pedestrian signal system.

- (in) measurement in inches

- (%) measurement in percentage grade

- BOLD text indicate non-compliant dimensions.

- Normal text indicate compliant dimensions

9. Unit Cost:

10. Priority:

11. Ped. Signal Features:

12. Measurements:



## **LEGEND ABBREVIATIONS**

ADA Americans with Disabilities Act
ADAAG ADA Accessibility Guidelines

E East Fig. Figure

JOB per one job (lump sum)

lbs. Pounds LF Linear foot

MUTCD Manual on Uniform Traffic Control Devices

N North
NE Northeast
NW Northwest

NWn Northwest: North side NWs Northwest: South side

POT Path of travel PROW Public Right-of-Way

PROWAG Public Right-of-Way Accesible Guidelines

Qty Quantity

REF Reference; Provided in locations with over-

lapping issue; indicates no addition cost

required for mitigation

S South
SE Southeast
SF Square foot
SW Southwest

TBD To be determined

W West

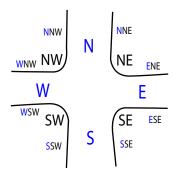


Figure 1. Orientation map corresponding to the specific corner/curb ramp in any given intersection.



# **PEDESTRIAN SIGNAL LIST**

Intersection:	Orientation:	Specific Item
4th St and N D St		
35	N	Push Button Reach Ran
36	NE	Push Button Reach Ran
41	NW	Push Button Reach Ran
39	S	Push Button Reach Ran
37	SE	Push Button Reach Ran
38	SW	Push Button Reach Ran
42	W	Push Button Reach Rar
Almond Ave		
Intersection:	Orientation:	Specific Item
Almond Ave and Ga		
153	ENE	Push Button Reach Rar
151	ESE	Push Button Reach Rar
154	NNE	Clear Floor Spa
	NW	Clear Floor Spa
150	SSE	Push Button Reach Rar
152 Climton 84	SW	Push Button Reach Rar
Clinton St		
Intersection:	Orientation:	Specific Item
Clinton St and Toze		
166	ENE	Clear Floor Spa
167	ESE	Clear Floor Spa
165	NNE	Push Button Reach Ran
164	NNW	Push Button Reach Rar
168	SSE	Clear Floor Spa
169	SSW	Push Button Reach Rar
163	WNW	Push Button Reach Rar
170	wsw	Clear Floor Spa
Country Club Dr		
Intersection:	Orientation:	Specific Item
Country Club Dr and	ENE	Push Button Reach Rar
205	ESE	Clear Floor Spa
203	NNE	Clear Floor Spa
202	NNW	Push Button Reach Ran
206	SSE	Push Button Reach Ran
199	SSW	Clear Floor Spa
201	WNW	Clear Floor Spa
	WSW	Color Cod
200		
E Cleveland Ave		

74	ENE	Push Button Reach Rang
75	ESE	Clear Floor Space
73	NNE	Push Button Reach Rang
72	NNW	Clear Floor Space
76	SSE	Clear Floor Space
77	SSW	Push Button Reach Rang
71	WNW	Clear Floor Space
78	wsw	Clear Floor Space
E Cleveland Ave	nd <b>N Lake St</b>	
240	ENE	Push Button Reach Rang
238	ESE	Clear Floor Spa
239	NNE	Clear Floor Spa
241	NNW	Clear Floor Spa
237	SSE	Push Button Reach Rang
236	SSW	Clear Floor Spa
242	WNW	Clear Floor Spa
235	wsw	Clear Floor Spa
E Cleveland Ave	nd Owens St	
70	ENE	Push Button Reach Rang
63	ESE	Clear Floor Space
69	NNE	Push Button Reach Rang
68	NNW	Push Button Reach Rang
64	SSE	Push Button Reach Rang
65	SSW	Push Button Reach Rang
67	WNW	Push Button Reach Rang
66	wsw	Push Button Reach Rang
E Cleveland Ave	nd <b>Tulare St</b>	
246	ENE	Clear Floor Spa
244	ESE	Clear Floor Spa
245	NNE	Clear Floor Spa
248	NNW	Clear Floor Spa
243	SSE	Color Codin
249	SSW	Push Button Reach Rang
247	WNW	Push Button Reach Rang
250	wsw	Push Button Reach Rang
Golden State Dr		
Intersection:	Orientation:	Specific Item:
Golden State Dr a	nd Almond Ave	
271	NW	Push Button Reach Rang
270	SE	Clear Floor Space
269	sw	Push Button Reach Rang
Howard Rd		
Intersection:	Orientation:	Specific Item:
Howard Rd and	airview Ave	
116	ENE	Push Button Reach Rang
117	ESE	Push Button Reach Rang

	115	NNE	Clear Floor Space
	114	NW	Clear Floor Space
	118	SSE	Clear Floor Spa
	119	sw	Clear Floor Spa
Howard Rd	and	Granada Dr	
	83	ENE	Push Button Reach Ran
	88	ESE	Push Button Reach Ran
	82	NNE	Push Button Reach Ran
	84	NNW	Push Button Reach Ran
	89	SSE	Push Button Reach Ran
	87	SSW	Clear Floor Spa
	85	WNW	Push Button Reach Ran
	86	wsw	Clear Floor Spa
Howard Rd	and	Pine St	
	122	ENE	Push Button Reach Ran
	123	ESE	Clear Floor Spa
	121	NNE	Clear Floor Spa
	120	NW	Clear Floor Spa
	124	SSE	Clear Floor Spa
	125	sw	Clear Floor Spa
Howard Rd	and	Schnoor Ave	
	106	ENE	Push Button Reach Ran
	113	ESE	Push Button Reach Ran
	107	NNE	Push Button Reach Ran
	108	NNW	Clear Floor Spa
	112	SSE	Clear Floor Spa
	111	SSW	Clear Floor Spa
	109	WNW	Clear Floor Spa
	110	wsw	Clear Floor Spa
Howard Rd	and	Shannon Ave	
	81	S	Clear Floor Spa
N G St			
Intersection:		Orientation:	Specific Item
N G St and	W 4	 Γh St	
	54	E	Push Button Reach Ran
	51	N	Push Button Reach Ran
	52	NE	Push Button Reach Ran
	55	S	Push Button Reach Ran
	53	SE	Push Button Reach Ran
	57	sw	Push Button Reach Ran
	58	W	Push Button Reach Ran
N Schnoor	Ave		
Intersection:		Orientation:	Specific Item
N Schnoor A	Ave :	nd Foxglove Way	
		ENE	Clear Floor Sno
	95	LINE	Clear Floor Spa

94	NNE	Push Button Reach Range
93	NNW	Clear Floor Space
97	SSE	Push Button Reach Range
91	SSW	Push Button Reach Range
92	WNW	Push Button Reach Range
90	WSW	Push Button Reach Range
N Schnoor Ave and Kennedy St		
216	ENE	Clear Floor Space
217	ESE	Clear Floor Space
215	NNE	Clear Floor Space
221	NNW	Push Button Reach Range
218	SSE	Push Button Reach Range
219	SSW	Push Button Reach Range
222	WNW	Push Button Reach Range
220	WSW	Push Button Reach Range
Olive Ave		
Intersection:	Orientation:	Specific Item:
Olive Ave and		
4	NE	Color Coding
3	NW	Clear Floor Space
Olive Ave and Martin St		
12	N	Color Coding
11	SE	Clear Floor Space
Olive Ave and S K St		·
13	NW	Clear Floor Space
14	SW	Color Coding
		Color County
Olive Ave and S L St		
20	NE	Push Button Reach Range
19	SE	Clear Floor Space Color Coding
18	SSW	
17	WSW	Clear Floor Space
Olive Ave and Santa Cruz St		
15	NW	Color Coding
16	SW	Clear Floor Space
Olive Ave and Wallace Ave		
162	NE	Color Coding
S Gateway Dr		
	Orientation:	Specific Item:
Intersection:		
Intersection:  S Gateway Dr and E 9Th St		
	E	Clear Floor Space
S Gateway Dr and E 9Th St		Clear Floor Space Clear Floor Space
S Gateway Dr and E 9Th St	E	
S Gateway Dr and E 9Th St  268 266	E NNE	Clear Floor Space
S Gateway Dr and E 9Th St  268 266 265 267	E NNE NNW	Clear Floor Space Push Button Reach Range
S Gateway Dr and E 9Th St  268 266 265	E NNE NNW	Clear Floor Space Push Button Reach Range

	159	NNW	Push Button Reach Ran
	161	SW	Clear Floor Spa
	160	WNW	Clear Floor Spa
St. Michelle	Dr		
Intersection:		Orientation:	Specific Item
St. Michelle	Dr and Stadium	Rd	
	2	NE	Push Button Reach Rar
	1	NW	Push Button Reach Rar
Stadium Rd	l		
Intersection:		Orientation:	Specific Item
Stadium Rd	and Olive Ave		
	292	ESE	Push Button Reach Rar
	291	NE	Clear Floor Spa
	290	NW	Clear Floor Sp
	293	SSE	Push Button Reach Rar
	288	SSW	Clear Floor Spa
	289	WSW	Clear Floor Spa
Stadium Rd	and Pecan Ave		
	133	ENE	Clear Floor Spa
	126	ESE	Push Button Reach Rar
	132	NNE	Push Button Reach Rar
	131	NNW	Push Button Reach Rar
	127	SSE SSW	Clear Floor Spa Clear Floor Spa
	128 130	WNW	Push Button Reach Rar
	129	wsw	Clear Floor Spa
Sunrise Ave			
Intersection:		Orientation:	Specific Item
	and Lilly St		орозне кол
	175	NE	Clear Floor Spa
Sunrise Ave	and <b>Tozer St</b>		
	172	ESE	Push Button Reach Rai
	173	NE	Clear Floor Spa
	171	SSE	Push Button Reach Rai
	174	SW	Push Button Reach Rar
Sunset Ave			
Intersection:		Orientation:	Specific Item
Sunset Ave	and <b>Liberty Ln</b>		
	79	Е	Color Cod
	80	SW	Color Cod
Valencia Av	/e		
		Orientation:	

	157 <b>NW</b>	Color Codir
		Color Codii
W 4th St		
Intersection:	Orientation:	Specific Item:
W 4th St and	N Gateway Dr	
	45 <b>E</b>	Push Button Reach Ran
	43 <b>N</b>	Push Button Reach Ran
	<b>NW</b>	Clear Floor Spa
	47 <b>S</b>	Push Button Reach Ran
	46 <b>SE</b>	Push Button Reach Ran
	48 <b>SW</b>	Push Button Reach Ran
	49 <b>W</b>	Clear Floor Spa
W 4th St and	N H St	
	59 <b>E</b>	Push Button Reach Ran
	N N	Push Button Reach Ran
	<b>S</b>	Push Button Reach Ran
	52 <b>W</b>	Push Button Reach Ran
W 6th St		
Intersection:	Orientation:	Specific Item:
W 6th St and	S Gateway Dr	
	263 <b>NE</b>	Push Button Reach Ran
	NNE NNE	Clear Floor Spa
	258 NNW	Push Button Reach Ran
	259 <b>NW</b>	Clear Floor Spa
	264 <b>SE</b>	Clear Floor Spa
	262 <b>SSE</b>	Clear Floor Spa
	261 <b>SSW</b>	Color Codi
	260 SW	Push Button Reach Ran
W Clark St		
Intersection:	Orientation:	Specific Item
W Clark St a	d Country Club Dr	
	196 ENE	Push Button Reach Ran
	197 ESE	Clear Floor Spa
	195 NNE	Clear Floor Spa
	193 NNW	Push Button Reach Ran
	198	Clear Floor Spa
	192 <b>SSW</b>	Clear Floor Spa
	194 <b>WNW</b>	Push Button Reach Ran
	191 WSW	Push Button Reach Ran
W Cleveland	Ave	
Intersection:	Orientation:	Specific Item:
W Cleveland	Ave and N Gateway Dr	•
	209 NE	Push Button Reach Ran
	210 NNW	Push Button Reach Ran

_			
_	214	SE	Push Button Reach Rang
212		SSW	Push Button Reach Rang
_	211	WNW	Push Button Reach Rang
	213	wsw	Push Button Reach Rang
W Cleveland A	Ave and	N Schnoor Ave	
_	101	ENE	Push Button Reach Rang
_	102	ESE	Push Button Reach Rang
_	100	NNE	Clear Floor Space
_	98	NNW	Push Button Reach Rang
_	103	SSE	Clear Floor Space
_	104	ssw	Clear Floor Space
_	99	WNW	Push Button Reach Rang
	105	wsw	Clear Floor Spa
W Cleveland A	Ave and	Sharon Bvd	
-	208	N	Clear Floor Spa
-	207	S	Color Codi
W Yosemite	Ave		
Intersection:		Orientation:	Specific Item:
W Yosemite A	<b>\ve</b> and	N Q St	
_	24	ENE	Push Button Reach Ran
_	23	ESE	Push Button Reach Ran
-	25	NNE	Push Button Reach Ran
_	26	NW	Push Button Reach Rang
-	22	SSE	Push Button Reach Rang
_	21	SW	Push Button Reach Ran
_	21		Push Button Reach Rang
W Yosemite A	21		
W Yosemite A	Ave and	SISt	Push Button Reach Rang
W Yosemite A	Ave and	S I St	Push Button Reach Rang Push Button Reach Rang
W Yosemite A	21 Ave and 29 32	S I St E N	Push Button Reach Rang Push Button Reach Rang Clear Floor Spa
W Yosemite A	21 Ave and 29 32 31	S I St  E  N  NE	Push Button Reach Rang Push Button Reach Rang Clear Floor Spa Clear Floor Spa
W Yosemite A	21 Ave and 29 32 31 33	S I St  E  N  NE  NW	Push Button Reach Rang Push Button Reach Rang Clear Floor Spac Clear Floor Spac Push Button Reach Rang
W Yosemite A	21 Ave and 29 32 31 33 27	S I St  E  N  NE  NW  S	Push Button Reach Rang Push Button Reach Rang Push Button Reach Rang Clear Floor Space Clear Floor Space Push Button Reach Rang Push Button Reach Rang



# **COST SUMMARY**

December 2023

Total Cost for Street:	4th St	\$51,000
Intersection:	Orientation:	
4th St and N D St		\$51,000
35	N	\$6,150
36	NE	\$6,150
41	NW	\$6,150
39	S	\$6,150
37	SE	\$6,150
38	sw	\$6,150
42	W	\$6,150
Total Cost for Street:	Almond Ave	\$40,500
Intersection:	Orientation:	
Almond Ave and Gate	eway Dr	\$40,500
153	ENE	\$6,150
151	ESE	\$6,150
154	NNE	\$7,950
155	NW	\$7,950
150	SSE	\$6,150
152	SW	\$6,150
Total Cost for Street:	Clinton St	\$56,400
Intersection:	Orientation:	
Clinton St and Tozer	St	\$56,400
166	ENE	\$7,950
167	ESE	\$7,950
165	NNE	\$6,150
164	NNW	\$6,150
168	SSE	\$7,950
169	ssw	\$6,150
163	WNW	\$6,150
170	wsw	\$7,950
Total Cost for Street:	Country Club Dr	\$56,400
Intersection:	Orientation:	
Country Club Dr and	W Sherwood Way	\$56,400
204	ENE	\$6,150
205	ESE	\$7,950
203	NNE	\$7,950
202	NNW	\$6,150
206	SSE	\$6,150
199	SSW	\$7,950
201	WNW	\$7,950
200	WSW	\$6,150
Total Cost for Street:	E Cleveland Ave	\$229,200
Intersection:	Orientation:	

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117	ESE	\$6,15
116	ENE	\$6,15
Howard Rd and		\$44,100
Intersection:	Orientation:	
Total Cost for St		\$205,35
269	SW	\$2,25
271	SE	\$2,25
Golden State Dr	and Almond Ave	\$4,950 \$45
		\$4 AF
Intersection:	Orientation:	Ψ4,330
Total Cost for St		\$4,95
250	wsw	\$6,15
247	WNW	\$6,15
249	SSW	\$6,15
248	SSE	\$6,15
$\frac{245}{248}$	NNW	\$7,95
244	ESE NNF	\$7,95
246	ENE	\$7,95 \$7,95
		\$56,400 \$7,95
E Cleveland Ave		
66	wsw	\$6,15
67	WNW	\$6,15
65	SSW	\$7,95
68	SSE	\$6,15
69	NNE NNW	\$7,95 \$6,15
63	ESE	\$7,95
70	ENE	\$6,15
E Cleveland Ave		\$54,600
235	WSW	\$7,95
242	WNW	\$7,95 \$7,95
236	SSW	\$7,95
237	SSE	\$6,15
241	NNW	\$7,95
239	NNE	\$7,95
238	ESE	\$7,95
240	ENE	\$6,15
E Cleveland Ave	and N Lake St	\$60,000
78	wsw	\$7,95
71	WNW	\$7,95
77	ssw	\$6,15
76	SSE	\$7,95
72	NNW	\$7,95
73	NNE	\$6,15
75	ESE	\$7,95

	115	NNE	\$7,950
	114	NW	\$7,950
	118	SSE	\$7,950
	119	SW	\$7,950
Howard Rd	and	ranada Dr	\$52,800
	83	ENE	\$6,150
	88	ESE	\$6,150
	82	NNE	\$6,150
	84	NNW	\$6,150
	89	SSE	\$6,150
	87	SSW	\$7,950
	85	WNW	\$6,150
	86	wsw	\$7,950
<b>Howard Rd</b>	and	ine St	\$45,900
	122	ENE	\$6,150
	123	ESE	\$7,950
	121	NNE	\$7,950
	120	NW	\$7,950
	124	SSE	\$7,950
	125	sw	\$7,950
Howard Rd	and	chnoor Ave	\$54,600
	106	ENE	\$6,150
	113	ESE	\$6,150
	107	NNE	\$2,550
	108	NNW	\$7,950
	112	SSE	\$7,950
	111	SSW	\$7,950
	109	WNW	\$7,950
	110	wsw	\$7,950
<b>Howard Rd</b>	and	hannon Ave	\$7,950
	81	S	\$7,950
Total Cost fo	or St	et: NGSt	\$49,200
Intersection:		Orientation:	
N G St and	W 4	St	\$49,200
	54	E	\$6,150
	51		\$6,150
	52	NE	\$6,150
	55	S	\$6,150
	53	SE	\$6,150
	57	SW	\$6,150
	58	W	\$6,150
Total Cost fo	or St	et: N Schnoor Ave	\$107,400
Intersection:		Orientation:	
	ΔVΔ ′	d Foxglove Way	\$52,800
14 GCIIIIOO1 F		ENE	\$7,950
	95	ESE	\$6,150
	96	ESE	\$6,750

94 NNE	\$6,150.
93 NNW	\$7,950.
97 SSE	\$6,150.
91 SSW	\$6,150.
92 <b>WNW</b>	\$6,150.
90 <b>WSW</b>	\$6,150.
N Schnoor Ave and Kennedy St	\$54,600.
216 <b>ENE</b>	\$7,950.
217 <b>ESE</b>	\$7,950.
215 NNE	\$7,950.
221 <b>NNW</b>	\$6,150.
218 <b>SSE</b>	\$6,150.
219 <b>SSW</b>	\$6,150.
222 WNW	\$6,150.
220 <b>WSW</b>	\$6,150
Total Cost for Street: Olive Ave	\$84,600
Intersection: Orientation:	
Olive Ave and	\$15,900.
4 <b>NE</b>	\$7,950.
3 <b>NW</b>	\$7,950.
Olive Ave and Martin St	\$14,100.
	\$6,150.
11 <b>SE</b>	\$7,950.
Olive Ave and S K St	\$14,100.
<i>13</i> <b>NW</b>	\$7,950.
14 <b>SW</b>	\$6,150.
Olive Ave and S L St	\$28,200.
20 <b>NE</b>	\$6,150
19 <b>SE</b>	\$7,950
18 SSW	\$6,150.
17 WSW	\$7,950.
Olive Ave and Santa Cruz St	\$6,150.
15 <b>NW</b>	\$6,150
	\$0.
Olive Ave and Wallace Ave	\$6,150.
162 NE	\$6,150
Total Cost for Street: S Gateway Dr	\$58,200
Intersection: Orientation:	<b>430,200</b>
	400 000
S Gateway Dr and E 9Th St	\$28,200.
268 <b>E</b>	\$7,950. \$7,950.
266 NNE	\$7,950. \$6,150.
265 <b>NNW</b> 267 <b>W</b>	\$6,150. \$6,150.
S Gateway Dr and Olive Ave	\$30,000.
158 <b>NE</b>	\$7,950.

	159	NNW	\$6,15
	161	SW	\$7,95
	160	WNW	\$7,950
Total Cost fo	r Street:	St. Michelle Dr	\$12,780
Intersection:		Orientation:	
St. Michelle I	Or and St	adium Rd	\$12,780
	2	NE	\$6,15
	1	NW	\$6,630
Total Cost fo	r Street:	Stadium Rd	\$102,300
Intersection:		Orientation:	
Stadium Rd	and Olive	Ave	\$44,100
	292	ESE	\$6,150
	291	NE	\$7,950
	290	NW	\$7,950
	293	SSE	\$6,15
	288	SSW	\$7,95
	289	wsw	\$7,95
Stadium Rd	and Peca	n Ave	\$58,200
	133	ENE	\$7,950
	126	ESE	\$6,15
	132	NNE	\$6,15
	131	NNW	\$6,15
	127	SSE	\$7,95
	128	SSW	\$7,95
	130	WNW	\$7,950
	129	wsw	\$7,950
Total Cost fo	r Street:	Sunrise Ave	\$21,870
Intersection:		Orientation:	
Sunrise Ave	and Lilly	St	\$7,950
	175	NE	\$7,950
Sunrise Ave	and Toze	er St	\$13,920
	172	ESE	\$3,030
	173	NE	\$4,830
	171	SSE	\$3,03
	174	SW	\$3,03
Total Cost fo	r Street:	Sunset Ave	\$12,300
Intersection:		Orientation:	
Sunset Ave	and <b>Libe</b> r	ty Ln	\$12,300
	79	E	\$6,150
	80	sw	\$6,15
Total Coat fo	r Street:	Valencia Ave	\$12,30
Total Cost to			
Intersection:		Orientation:	

December 2023

157	NW	\$6,150.
156	SW	\$6,150
Total Cost for Stree	t: W 4th St	\$79,200
Intersection:	Orientation:	
W 4th St and N Ga	teway Dr	\$54,600
45	E	\$6,150
43	N	\$6,150
44	NW	\$7,950
47	S	\$6,150
46	SE	\$6,150
48	SW	\$6,150
49	W	\$7,950
W 4th St and N H S	St	\$24,600
59	E	\$6,150
61	N	\$6,150
60	S	\$6,150
62	W	\$6,150
Total Cost for Stree	t: W 6th St	\$58,200
Intersection:	Orientation:	
W 6th St and S Gar	teway Dr	\$58,200
263	NE	\$6,150
257	NNE	\$7,950
258	NNW	\$7,950
259	NW	\$7,950
264	SE	\$7,950
262	SSE	\$7,950
261	SSW	\$6,150
260	sw	\$6,150
Total Cost for Stree	t: W Clark St	\$56,400
Intersection:	Orientation:	
W Clark St and Co	untry Club Dr	\$56,400
196	ENE	\$6,150
197	ESE	\$7,950
195	NNE	\$7,950
193	NNW	\$6,150
198	SSE	\$7,950
192	SSW	\$7,950
194	WNW	\$6,150
191	wsw	\$6,150
Total Cost for Stree	t: W Cleveland Ave	\$96,600
Intersection:	Orientation:	
W Cleveland Ave ar	nd <b>N Gateway Dr</b>	\$24,300
	NE	\$4,050
209	NE NE	\$4,050

Prepared by Sally Swanson Architects, Inc. Project # 20029.00

_			
21	4	SE	\$4,050.00
21	2	SSW	\$4,050.0
21	1	WNW	\$4,050.0
21	3	wsw	\$4,050.0
W Cleveland A	<b>ve</b> and	N Schnoor Ave	\$58,200.0
10	)]	ENE	\$7,950.0
10	)2	ESE	\$6,150.0
10	00	NNE	\$7,950.0
98	3	NNW	\$6,150.0
10	)3	SSE	\$7,950.0
10	)4	SSW	\$7,950.0
99	)	WNW	\$6,150.0
10	)5	WSW	\$7,950.0
W Cleveland Av	<b>ve</b> and	Sharon Bvd	\$14,100.0
20	)8	N	\$7,950.0
20	)7	S	\$6,150.0
Total Cost for S	Street:	W Yosemite Ave	\$89,700.
Total Cost for S	Street:	W Yosemite Ave Orientation:	
		Orientation:	\$89,700.
Intersection:	e and	Orientation:	\$89,700. \$36,900.
Intersection: W Yosemite Av	e and	Orientation:  N Q St	\$89,700. \$36,900. \$6,150.
Intersection: W Yosemite Av	e and	Orientation: N Q St ENE	\$36,900. \$6,150. \$6,150.
Intersection: W Yosemite Av  24  23	e and	Orientation:  N Q St  ENE ESE	\$36,900.0 \$6,150.0 \$6,150.0 \$6,150.0
Intersection:  W Yosemite Av  24  23  25	e and	Orientation:  N Q St  ENE  ESE  NNE	\$36,900.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0
Intersection:  W Yosemite Av  24  23  25  26	e and	Orientation:  N Q St  ENE  ESE  NNE  NW	\$36,900.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0
Intersection:  W Yosemite Av  24  23  25  26  22	e and	Orientation:  N Q St  ENE  ESE  NNE  NW  SSE  SW	\$36,900.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0
Intersection:  W Yosemite Av  24  23  25  26  22  21	re and	Orientation:  N Q St  ENE  ESE  NNE  NW  SSE  SW	\$89,700. \$36,900.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,250.0
Intersection:  W Yosemite Av  24 23 25 26 22 21  W Yosemite Av	re and	Orientation:  N Q St  ENE  ESE  NNE  NW  SSE  SW  S I St	\$36,900.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$52,800.0 \$6,150.0
Intersection:  W Yosemite Av  24 23 25 26 22 21  W Yosemite Av	re and	Orientation:  N Q St  ENE  ESE  NNE  NW  SSE  SW  S I St	\$89,700.  \$36,900.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0
Intersection:  W Yosemite Av  24  23  25  26  22  21  W Yosemite Av  29  32	re and	Orientation:  N Q St  ENE ESE NNE NW SSE SW S I St E	\$89,700.  \$36,900.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$7,950.0
Intersection:  W Yosemite Av  24 23 25 26 22 21  W Yosemite Av  29 32 31	re and	Orientation:  N Q St  ENE  ESE  NNE  NW  SSE  SW  S I St  E  N  N  N  N  N  N  N  N  N  N  N  N	\$36,900.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$6,150.0 \$52,800.0 \$52,800.0 \$57,950.0 \$7,950.0
Intersection:  W Yosemite Av  24 23 25 26 22 21  W Yosemite Av  29 32 31 33 33 33	re and	Orientation:  N Q St  ENE  ESE  NNE  NW  SSE  SW  S I St  E  N  N  N  NE  N  N  NE  N  NE  N  NE  N  N	\$89,700.  \$36,900.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$6,150.0  \$52,800.0  \$6,150.0  \$7,950.0  \$7,950.0  \$6,150.0
Intersection:  W Yosemite Av  24 23 25 26 22 21  W Yosemite Av  29 32 31 33 27	re and	Orientation:  N Q St  ENE  ESE  NNE  NW  SSE  SW  S I St  E  N  N  N  N  N  N  N  N  N  N  N  N	

Total Cost for City Pedestrian Signals:

\$1,484,850.00



# **SURVEY DATA**

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: **R406.2** 

\$6150.00

80

**Unit Cost** 

Priority

Survey Street Cross Street

4TH ST N D ST

# 35 N Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

and Proposed Solution

• As-is Measurement: 39.0"

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: R406.2

\$6150.00

80

**Unit Cost** 

Priority

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.5
	Clear Floor X Slope	(%)	0.2
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
l	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
ı	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Measurements

## NE Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

• Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

38.0"

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.8
Clear Floor X Slope	(%)	0.2
Button Ht.	(in)	38.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

80

**Unit Cost** 

Priority

**Cross Street Survey Street** 

4TH ST N D ST

and Proposed Solution **NW** 

#### Push Button Reach Range 41

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

39.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

80

**Unit Cost** 

Priority

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.2
	Clear Floor X Slope	(%)	0.9
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
l	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
l	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Measurements

#### S Push Button Reach Range

· As-Built Description:

39

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





(y/n)	Yes
(y/n)	Yes
(%)	0.7
(%)	1.1
(in)	39.0
(in)	0.0
(in)	2.0
(lbs)	0.0
(y/n)	Yes
(y/n)	No
(y/n)	Yes
(y/n)	Yes
	>10ft
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

80

**Unit Cost** 

Priority

**Cross Street Survey Street** 

4TH ST N D ST

and Proposed Solution SE

Push Button Reach Range 37

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

40.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

80

**Unit Cost** 

Priority

	mode di onionio		
	Accessible Path Clear Floor Space	(y/n) (y/n)	Yes Yes
	Clear Floor Slope	(%)	1.2
	Clear Floor X Slope	(%)	0.9
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes

>10ft

10 ft minimum separation

Measurements

#### **SW** Push Button Reach Range 38

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

38.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.8
Clear Floor X Slope	(%)	1.2
Button Ht.	(in)	38.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-305.1

\$7950.00

82

ADA 2010: 305.1

**Cross Street Survey Street** 

4TH ST N D ST

and Proposed Solution 40

SW Clear Floor Space

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

**Existing Access Barrier** 

2.8% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

80

**Unit Cost** 

Priority

	mode di oni oni o		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	2.8
	Clear Floor X Slope	(%)	0.5
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Measurements

#### W Push Button Reach Range 42

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.5
Clear Floor X Slope	(%)	0.9
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Total Costs for Pedestrian Signals at: 4th St and N D St

\$51,000.00

Survey Street		Cross Street		
4TH ST		N D ST		
ID Orientation Existing Access Barrier and Proposed Solution		Codes / Mitigation Info	Measurements	
Total Cost for Street:	4th St			\$51,000.00

Survey Street

#### **Cross Street**

## **ALMOND AVE**

# GATEWAY DR

ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: R406.2

\$6150.00

60

**Unit Cost** 

Priority

# ID Orientation

# Existing Access Barrier and Proposed Solution

# Codes / Mitigation Info

# Measurements

## 153 ENE

# Push Button Reach Range

• As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the

forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

39.5"

• Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

65

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.7
Clear Floor X Slope	(%)	0.5
Button Ht.	(in)	39.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

# 151 ESE Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.5"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





(y/n)	Yes
(y/n)	Yes
(%)	1.6
(%)	0.9
(in)	39.5
(in)	0.0
(in)	2.0
(lbs)	2.0
(y/n)	Yes
(y/n)	Yes
(y/n)	No
(y/n)	Yes
(y/n)	Yes
	>10ft
	(y/n) (%) (%) (in) (in) (ibs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

>10ft

**Survey Street** 

#### **Cross Street**

## ALMOND AVE

# **GATEWAY DR** Codes / Mitigation Info

# ID Orientation

### **Existing Access Barrier** and Proposed Solution Clear Floor Space

## NNE · As-Built Description:

154

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.2% As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00	
72	

#### Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 0.5 Clear Floor X Slope (%) 2.2 Button Ht. (in) 39.5 **Button Reach** (in) 0.0 **Button Diameter** (in) 2.0 **Button Pressure** (lbs) 2.0 **Closed Fist Operation** (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) No Vibrotactile Feedback No (y/n) Audible Walk Indicator (y/n) No **Button Locator Tone** (y/n) No Tactile Arrow (y/n)No Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes

10 ft minimum separation

Measurements

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





155 NW <u>Clear Floor Space</u>
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· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 2.2%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 63

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.5
Clear Floor X Slope	(%)	2.2
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





**Survey Street** 

# **Cross Street**

### ALMOND AVE

# **GATEWAY DR**

## **SSE**

ID Orientation

#### **Existing Access Barrier** and Proposed Solution

## Codes / Mitigation Info

CBC 2019: 11B-308.2.1

\$6150.00

65

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

## Measurements

150

Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

39.5"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

66

**Unit Cost** 

Priority

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.3
	Clear Floor X Slope	(%)	1.6
	Button Ht.	(in)	39.5
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	2.0
	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

#### **SW** 152

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.5"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.3
Clear Floor X Slope	(%)	1.9
Button Ht.	(in)	39.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		N/A

Total Costs for Pedestrian Signals at: Almond Ave and Gateway Dr

\$40,500.00

City of Madera	Access Compliance Assessment Report - Pedestrian Signals	Almond Ave
Survey Street	Cross Street	
ALMOND AVE	GATEWAY DR	
ID Orientation Existing Access Barrier and Proposed Solution	Codes / Mitigation Info Measurements	
Total Cost for Street:	Almond Ave	\$40,500.00

**Survey Street** 

#### **Cross Street**

### **CLINTON ST**

## TOZER ST

**Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

Measurements

Accessible Path

Tactile Arrow

Clear Floor Space

**ENE** Clear Floor Space 166 · As-Built Description:

Orientation

The cross slope of the floor or ground surface at the pedestrian

signal device exceed 1:48 (2%).

2.4% As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 78

Clear Floor Slope	(%)	0.9
Clear Floor X Slope	(%)	2.4
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No

(y/n)

(y/n)

(y/n)

(y/n)

(y/n)

(%)

(%)

(y/n)

Yes

Yes

2.6

1.5

38.5

0.0

2.0

2.0

Yes

Yes

No

Yes

Yes

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





167	<b>ESE</b>	Clear Floor Space

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 2.6%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1

PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 68

	Button Ht.	(in)
	Button Reach	(in)
l	Button Diameter	(in)
١	Button Pressure	(lbs)
	Closed Fist Operation	(y/n)

Accessible Path

Clear Floor Space

Clear Floor Slope

Visual Contrast

Clear Floor X Slope

Contrasting Color Bands (y/n) No Vibrotactile Feedback No (y/n) Audible Walk Indicator (y/n) No (y/n) No Tactile Arrow (y/n) No

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to Button Locator Tone the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





**Survey Street Cross Street** 

### **CLINTON ST**

### TOZER ST

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

76

**Unit Cost** 

Priority

#### NNE Push Button Reach Range 165

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

and Proposed Solution

· As-is Measurement:

39.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

86

**Unit Cost** 

Priority

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.8
	Clear Floor X Slope	(%)	0.4
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
ł	Button Pressure	(lbs)	2.0
Ţ	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Measurements

#### Push Button Reach Range **NNW** 164

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

38.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.5
Clear Floor X Slope	(%)	0.9
Button Ht.	(in)	38.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

>10ft

**Survey Street Cross Street** 

## **CLINTON ST**

Orientation

### TOZER ST

טו	Orientation	and Proposed Solution
168	SSE	Clear Floor Space

# Codes / Mitigation Info

**Existing Access Barrier** 

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

3.7% As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00	
68	

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.1
Clear Floor X Slope	(%)	3.7
Button Ht.	(in)	38.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

Measurements

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

75

**Unit Cost** 

Priority

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.5
	Clear Floor X Slope	(%)	0.6
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	2.0
	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

**Survey Street** 

### **CLINTON ST**

**Cross Street** 

#### **Existing Access Barrier** and Proposed Solution

# TOZER ST Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

80

#### **WNW** 163

### Push Button Reach Range

#### · As-Built Description:

Orientation

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

- · As-is Measurement:
- 40.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.0
Clear Floor X Slope	(%)	1.7
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No

Measurements

**Button Locator Tone** 

Tactile Arrow

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

(y/n) No

(y/n)

(y/n)

(y/n)

(%)

(%)

(in)

(in)

(in)

(lbs)

(y/n)

(y/n)

Yes

Yes

3.2

2.3

40.0

0.0

2.0

2.0

Yes

Yes

No

### **WSW** Clear Floor Space

As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

- 3.2% · As-is Measurement:
- · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction. ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

ADAAG: 4.3.7

**Unit Cost** Priority

\$7950.00 78

	Button Reach
٦	Button Diameter
┪	Button Pressure
J	Closed Fist Operation

Visual Contrast

Accessible Path

Clear Floor Space

Clear Floor Slope

Button Ht

Clear Floor X Slope

**Contrasting Color Bands** (y/n) No Vibrotactile Feedback (y/n) No Audible Walk Indicator No (y/n) No (y/n) Tactile Arrow No (y/n)

Within 5 ft from crosswalk Yes (y/n)1.5 - 6.0 ft from curb (y/n) Yes >10ft 10 ft minimum separation

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to Button Locator Tone the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Total Costs for Pedestrian Signals at: Clinton St and Tozer St

\$56,400.00

City of Madera	Access Compliance Assessment Report - Pedestrian Signals	Clinton St
Survey Street	Cross Street	
CLINTON ST	TOZER ST	
ID Orientation Existing Access Barrier and Proposed Solution	Codes / Mitigation Info Measurements	
Total Cost for Street:	Clinton St	\$56,400.00

Yes

>10ft

>10ft

**Survey Street** 

**ID** Orientation

### **Cross Street**

## **COUNTRY CLUB DR**

## W SHERWOOD WAY

### and Proposed Solution **ENE** 204

**Existing Access Barrier** 

## Codes / Mitigation Info

ADAAG: 4.2.5

### Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

· As-Built Description:

Push Button Reach Range

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1 Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the PROWAG: **R406.2** 

> **Unit Cost** Priority

\$6150.00 91

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.3
Clear Floor X Slope	(%)	0.1
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	0.5
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	No
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes

· As-is Measurement:

39.0"

· Proposed Solution:

ground.

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





205	<b>ESE</b>	<u>Clear</u>	Floor	<u>Space</u>

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 2.6%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 83

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	2.6
	Clear Floor X Slope	(%)	1.3
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
l	Button Diameter	(in)	0.5
l	Button Pressure	(lbs)	2.0
l	Closed Fist Operation	(y/n)	No
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





**ID** Orientation

### **Cross Street**

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-302.1

ADA 2010: 302.1

## COUNTRY CLUB DR

## W SHERWOOD WAY

\$7950.00

81

### NNE Clear Floor Space 203

## **Existing Access Barrier** and Proposed Solution

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

- 2.6% As-is Measurement:
- · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope

(s) not exceeding the required 1:48 (2%) maximum in any direction.

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

88

	Accessible Path Clear Floor Space Clear Floor Slope Clear Floor X Slope	(y/n) (y/n) (%) (%)	Yes Yes 2.3 2.6
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
٦	Button Diameter	(in)	2.0
┪	Button Pressure	(lbs)	0.0
┙	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
О	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes

(y/n)

(y/n)

(y/n)

(%)

(%)

(in)

(in)

(in)

(lbs)

(y/n) No

(y/n)

(y/n)

(y/n)

(y/n)

(y/n)

(y/n)

(y/n)

Yes

Yes

0.3

0.1

39 O

0.0

0.5

2.0

Yes

No

No

No

No

No

Yes

<10ft

Yes

>10ft

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

### **NNW** Push Button Reach Range 202

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with Within 5 ft from crosswalk the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





	Accessible Path Clear Floor Space
	Clear Floor Slope
	Clear Floor X Slope
	Button Ht.
	Button Reach
	Button Diameter
┪	Button Pressure
	Closed Fist Operation
	Visual Contrast
	Contrasting Color Bar
	Vibrotactile Feedback
1	Audible Walk Indicato
	Button Locator Tone
be	Tactile Arrow

1.5 - 6.0 ft from curb

10 ft minimum separation

**ID** Orientation

### **Cross Street**

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

## COUNTRY CLUB DR

## W SHERWOOD WAY

\$6150.00

78

### and Proposed Solution **SSE** 206

## Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

40.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Measurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.8
	Clear Floor X Slope	(%)	0.2
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
]	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Measurements

### Clear Floor Space SSW 199

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.5% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

Uı

nit Cost	\$7950.00
Priority	83

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.5
Clear Floor X Slope	(%)	1.3
Button Ht.	(in)	43.0
Button Reach	(in)	0.0
Button Diameter	(in)	0.5
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	No
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft

<10ft

**Survey Street** 

ID Orientation

### **Cross Street**

## **COUNTRY CLUB DR**

## W SHERWOOD WAY

	and Proposed Solution		
14/5114/	01		

# Codes / Mitigation Info Measurements

### 201 WNW

## Clear Floor Space

**Existing Access Barrier** 

# As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement: 2.4%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7** ADA 2010: **305.1** CBC 2019: **11B-305.1** PROWAG: **R404.2** 

Unit Cost Priority

\$7950.00	
90	

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.4
Clear Floor X Slope	(%)	0.2
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	0.5
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	No
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





**Unit Cost** 

Priority

CBC 2019: 11B-703.7.2.7

\$6150.00

81

### 200 WSW Color Coding

## As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

· Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.3
Clear Floor X Slope	(%)	1.7
Button Ht.	(in)	43.0
Button Reach	(in)	0.0
Button Diameter	(in)	0.5
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	No
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

<10ft

10 ft minimum separation

City of Madera	Access Compliance Assessment Report - Pedestrian Signals	Country Club Dr
Survey Street	Cross Street	_
COUNTRY CLUB DR	W SHERWOOD WAY	
ID Orientation Existing Access Barrier and Proposed Solution	Codes / Mitigation Info Measurements	
Total Costs for Pedestrian S	Signals at: Country Club Dr and W Sherwood Wa	y \$56,400.00

\$56,400.00

**Country Club Dr** 

**Total Cost for Street:** 

**Cross Street Survey Street** 

## E CLEVELAND AVE

## N D ST

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

### **Existing Access Barrier** and Proposed Solution

## Codes / Mitigation Info

\$6150.00

72

### Measurements

### **ENE** 74 · As-Built Description:

**ID** Orientation

Push Button Reach Range

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

39.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Measurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.3
	Clear Floor X Slope	(%)	2.0
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	1.0
	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

### **ESE** Clear Floor Space

· As-Built Description:

75

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

3.8% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 80

	()	
Clear Floor Slope	(%)	3.8
Clear Floor X Slope	(%)	3.6
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No

(y/n)

(y/n)

(y/n) No

(y/n)

Yes

Yes

Accessible Path

Clear Floor Space

**Button Locator Tone** 

Tactile Arrow

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb Yes >10ft 10 ft minimum separation

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





## E CLEVELAND AVE

## N D ST

# **ID** Orientation

### **Existing Access Barrier** and Proposed Solution

Where a forward/or side reach is unobstructed, the high

forward/side reach is more than 48" or less than 42" above the

## Codes / Mitigation Info

### Measurements

NNE 73 · As-Built Description:

ground.

Push Button Reach Range

ADAAG: 4.2.5 ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1 PROWAG: **R406.2** 

**Unit Cost** Priority

\$6150.00
72

· As-is Measurement:

40.0"

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

· Proposed Solution:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.1
	Clear Floor X Slope	(%)	1.6
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
7	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	1.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

### **NNW** Clear Floor Space

· As-Built Description:

72

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 2.9%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 74

	Button Ht.
	Button Reach
	Button Diameter
_	Button Pressure

1.5 - 6.0 ft from curb

10 ft minimum separation

Accessible Path

Clear Floor Space (y/n) Yes Clear Floor Slope (%) 0.5 Clear Floor X Slope (%) 2.9 (in) 38.0 (in) 0.0 (in) 2.0 (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) No Contrasting Color Bands No (y/n) Vibrotactile Feedback No (y/n) Audible Walk Indicator (y/n) No **Button Locator Tone** (y/n) No Tactile Arrow (y/n) No Within 5 ft from crosswalk (y/n) Yes

(y/n)

(y/n)

Yes

>10ft

Yes

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Yes

(v/n)

(y/n) No

(y/n)

(y/n)

No

No

**Survey Street Cross Street** 

## E CLEVELAND AVE

## N D ST

### **Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2** 

CBC 2019: 11B-302.1

ADA 2010: 302.1

### **SSE** 76

## Clear Floor Space

· As-Built Description:

Orientation

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

- 2.9% · As-is Measurement:
- · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction. **Unit Cost** Priority

\$7950.00 72

# Measurements

Audible Walk Indicator

**Button Locator Tone** 

Tactile Arrow

Accessible Path

Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.7
Clear Floor X Slope	(%)	2.9
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

76

**Unit Cost** 

Priority

### **SSW** Push Button Reach Range 77

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

40.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.0
Clear Floor X Slope	(%)	0.6
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

## E CLEVELAND AVE

## N D ST

### **Existing Access Barrier** and Proposed Solution

# Codes / Mitigation Info

### Measurements

**WNW** 71

Orientation

Clear Floor Space

· As-Built Description: The slope of the floor or ground surface at the pedestrian signal ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

ADAAG: 4.3.7

**Unit Cost** Priority

\$7950.00	
76	

Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%)4.6 Clear Floor X Slope 1.1 (%) Button Ht. (in) 40.0 **Button Reach** (in) 0.0 **Button Diameter** (in) 2.0 **Button Pressure** (lbs) 1.0 **Closed Fist Operation** (y/n) Yes Visual Contrast (y/n) No Contrasting Color Bands (y/n)No Vibrotactile Feedback (y/n) No Audible Walk Indicator (y/n) No **Button Locator Tone** (y/n) No Tactile Arrow (y/n)No

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

4.6% · As-is Measurement:

device exceed 1:48 (2%).

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





78	WSW	<u>Clear Floor</u>	<u>· Space</u>

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 2.9%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 78

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.7
Clear Floor X Slope	(%)	2.9
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(v/n)	Voc

Accordible Dath

Within 5 ft from crosswalk 1.5 - 6.0 ft from curb (y/n) 10 ft minimum separation >10ft

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Total Costs for Pedestrian Signals at: E Cleveland Ave and ND St

\$58,200.00

### **Cross Street**

## E CLEVELAND AVE

## **N LAKE ST**

## Orientation

# **Existing Access Barrier**

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the

# Codes / Mitigation Info

### Measurements

### **ENE** 240

ground.

· As-Built Description:

## and Proposed Solution

Push Button Reach Range

ADAAG: 4.2.5 ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

39.0" · As-is Measurement:

**Unit Cost** Priority

\$6150.00 80

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.5
	Clear Floor X Slope	(%)	8.0
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

### **ESE** Clear Floor Space 238

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.4% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1

CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 73

Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.0
Clear Floor X Slope	(%)	2.4
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No

(y/n) Yes

Accessible Path

Tactile Arrow

Within 5 ft from crosswalk (y/n)1.5 - 6.0 ft from curb (y/n) Yes >10ft 10 ft minimum separation

(y/n)

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





>10ft

>10ft

Survey Street

### **Cross Street**

## **E CLEVELAND AVE**

## N LAKE ST

# ID Orientation Existing and Pro

# Existing Access Barrier and Proposed Solution

# Codes / Mitigation Info

## Measurements

239 **NNE** 

Clear Floor Space

As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement: 3.1%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7** ADA 2010: **302.1** CBC 2019: **11B-302.1** PROWAG: **R404.2** 

Unit Cost Priority

\$7950.	00
82	

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.8
Clear Floor X Slope	(%)	3.1
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





241	NNW	Clear Floor Space

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement: 2.5%

• Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7**ADA 2010: **305.1**CBC 2019: **11B-305.1**PROWAG: **R404.2** 

Unit Cost Priority

\$7950.00	
84	

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.5
Clear Floor X Slope	(%)	0.5
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





## E CLEVELAND AVE

## **N LAKE ST**

# Orientation

· As-Built Description:

### **Existing Access Barrier** and Proposed Solution

Where a forward/or side reach is unobstructed, the high

forward/side reach is more than 48" or less than 42" above the

## Codes / Mitigation Info

### Measurements

SSE 237

# Push Button Reach Range

ADAAG: 4.2.5 ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1 PROWAG: **R406.2** 

ground. 40.0" · As-is Measurement:

**Unit Cost** Priority

\$6150.00 70

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.1
Clear Floor X Slope	(%)	0.6
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

### SSW Clear Floor Space 236

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.3% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 83

Clear Floor Slope	(%)	0.3
Clear Floor X Slope	(%)	2.3
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No

(y/n)

(y/n)

Yes

Yes

Accessible Path

Clear Floor Space

Audible Walk Indicator (y/n) No No (y/n) Tactile Arrow No (y/n)Within 5 ft from crosswalk No (y/n)

1.5 - 6.0 ft from curb (y/n) Yes >10ft 10 ft minimum separation

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to Button Locator Tone the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone





Yes

2.0

No

No

No

**Survey Street** 

### **Cross Street**

## E CLEVELAND AVE

## **N LAKE ST**

**WNW** 242

**Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-305.1

\$7950.00

78

ADA 2010: 305.1

Measurements

**Button Pressure** 

Audible Walk Indicator

**Button Locator Tone** 

Tactile Arrow

Accessible Path (y/n)

Clear Floor Space (y/n) Yes Clear Floor Slope (%) 2.4 Clear Floor X Slope 1.3 (%)

Button Ht. (in) 40.0 **Button Reach** (in) 0.0 **Button Diameter** (in) 2.0

**Closed Fist Operation** (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n)No Vibrotactile Feedback (y/n) No

(lbs)

(y/n)

(y/n)

(y/n)

(y/n)

(y/n)

(%)

Yes

Yes

0.6

3.1

39.0

0.0

2.0

2.0

Yes

Yes

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

Clear Floor Space

· As-Built Description:

Orientation

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.4% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





235	WSW	Clear Floor Space
233	****	Cical I lool opace

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 3.1%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 82

	Clear Floor X Slope	(%)
	Button Ht.	(in)
	Button Reach	(in)
7	Button Diameter	(in)
1	Button Pressure	(lbs)
J	Closed Fist Operation	(y/n)
	Visual Contrast	(y/n)

Accessible Path

Clear Floor Space

Clear Floor Slope

Contrasting Color Bands (y/n) No Vibrotactile Feedback No (y/n) Audible Walk Indicator (y/n) No (y/n) No Tactile Arrow (y/n) No

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to Button Locator Tone the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Total Costs for Pedestrian Signals at: E Cleveland Ave and N Lake St

\$60,000.00

### **Cross Street**

## **E CLEVELAND AVE**

## **OWENS ST**

# ID Orientation

# Existing Access Barrier and Proposed Solution

# Codes / Mitigation Info

### Measurements

## 70 **ENE**

## Push Button Reach Range

ADAAG: **4.2.5** ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** PROWAG: **R406.2** 

forward/side reach is more than 48" or less than 42" above the ground.

39.0"

Where a forward/or side reach is unobstructed, the high

Unit Cost Priority \$6150.00 74

As-is Measurement:

· As-Built Description:

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.9
	Clear Floor X Slope	(%)	1.2
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	1.0
ļ	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

# 63 ESE Clear Floor Space

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement: 2.8%

• Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7** ADA 2010: **302.1** CBC 2019: **11B-302.1** PROWAG: **R404.2** 

Unit Cost Priority \$7950.00 82

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.6
Clear Floor X Slope	(%)	2.8
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

>10ft

## · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Yes

Yes

0.9

2.1

39.0

0.0

2.0

Yes

No

(y/n)

(y/n)

(%)

(%)

(in)

(in)

(in)

(lbs) 1.0

(y/n)

(y/n) No

(y/n) No

(v/n)

(y/n) No

(y/n) No

(y/n) No

**Survey Street Cross Street** 

## E CLEVELAND AVE

## **OWENS ST**

## **ID** Orientation

· As-Built Description:

### **Existing Access Barrier** and Proposed Solution

Where a forward/or side reach is unobstructed, the high

forward/side reach is more than 48" or less than 42" above the

# Codes / Mitigation Info

### Measurements

Accessible Path

Clear Floor Space

Clear Floor Slope

Button Ht.

**Button Reach** 

**Button Diameter** 

**Button Pressure** 

Visual Contrast

**Closed Fist Operation** 

Contrasting Color Bands

Vibrotactile Feedback

Audible Walk Indicator

**Button Locator Tone** 

Tactile Arrow

Clear Floor X Slope

NNE 69

Push Button Reach Range

ADAAG: 4.2.5 ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

**Unit Cost** Priority

\$7950.00	
76	

· As-is Measurement:

ground.

39.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 30"x48" level 2% max. clear space at base of signal device. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

74

**Unit Cost** 

Priority

Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

### **NNW** 68

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

38.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.6
Clear Floor X Slope	(%)	2.0
Button Ht.	(in)	38.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

## E CLEVELAND AVE

## **OWENS ST**

**Cross Street** 

## ID Orientation

### **Existing Access Barrier** and Proposed Solution

# Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

83

**Unit Cost** 

Priority

### **SSE** 64

## Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

40.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$7950.00

80

**Unit Cost** 

Priority

### Measurements

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.6
	Clear Floor X Slope	(%)	1.3
	Button Ht.	(in)	40.0
	Button Reach	(in)	8.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	1.0
	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

### **SSW** Push Button Reach Range 65

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.0"

· Additional Items:

Provide 30"x48" level 2% max. clear space at base of signal device. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





(y/n)	Yes
(y/n)	Yes
(%)	2.1
(%)	0.6
(in)	39.0
(in)	0.0
(in)	2.0
(lbs)	1.0
(y/n)	Yes
(y/n)	No
(v/n)	No
(y/n)	140
(y/II) (y/n)	No
,	
(y/n)	No
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n)

## **E CLEVELAND AVE**

## **OWENS ST**

### \_\_\_\_\_

# Existing Access Barrier and Proposed Solution

# Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

68

## Measurements

# 67 WNW

Orientation

## Push Button Reach Range

As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

39.0"

Proposed Solution:

Reposition the pedestrian signal device to be less than  $48^{\circ}$  and more than  $42^{\circ}$  from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: R406.2

\$6150.00 72

**Unit Cost** 

Priority

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.2
	Clear Floor X Slope	(%)	1.8
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	1.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

## 66 WSW

## Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

• As-is Measurement:

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.5"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.6
Clear Floor X Slope	(%)	1.6
Button Ht.	(in)	39.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

Total Costs for Pedestrian Signals at: E Cleveland Ave and Owens St

\$54,600.00

>10ft

>10ft

>10ft

**Survey Street** 

### **Cross Street**

## **E CLEVELAND AVE**

## **TULARE ST**

Codes / Mitigation Info

## ID Orientation

# Existing Access Barrier and Proposed Solution

## Measurements

## 246 **ENE**

## Clear Floor Space

240 LIVE <u>Olcai i loci Opacc</u>

• As-Built Description:
The cross slope of the floor or ground surface

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement: 3.1%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7** ADA 2010: **302.1** CBC 2019: **11B-302.1** PROWAG: **R404.2** 

Unit Cost Priority \$7950.00 78

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.2
Clear Floor X Slope	(%)	3.1
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





244	ESE	<u>Clear</u>	Floor	<u>Space</u>
				•

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement: 2.4%

• Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7** ADA 2010: **302.1** CBC 2019: **11B-302.1** PROWAG: **R404.2** 

Unit Cost Priority \$7950.00 78

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	8.0
Clear Floor X Slope	(%)	2.4
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

## · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Yes

Yes

2.2

Yes

No

(y/n)

(y/n)

(%)

(y/n)

(y/n) No

(v/n)

(y/n) No

(y/n) No

(y/n) No

**Survey Street** 

### **Cross Street**

## **E CLEVELAND AVE**

## TULARE ST

# Orientation

### **Existing Access Barrier** and Proposed Solution

# Codes / Mitigation Info

### Measurements

Accessible Path

Clear Floor Space

Clear Floor Slope

Contrasting Color Bands

Vibrotactile Feedback

Audible Walk Indicator

**Button Locator Tone** 

Tactile Arrow

NNE 245

· As-is Measurement:

· Proposed Solution:

Clear Floor Space

· As-Built Description: The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.2%

Modify or repave the ground surface as necessary to provide slope

(s) not exceeding the required 1:48 (2%) maximum in any direction.

ADA 2010: 305.1 CBC 2019: 11B-305.1

ADAAG: 4.3.7

PROWAG: **R404.2** 

Clear Floor X Slope (%) 1.6 Button Ht. (in) 39.0 **Button Reach** (in) 0.0 **Button Diameter** (in) 2.0 **Button Pressure** (lbs) 0.0 **Closed Fist Operation** (y/n) Yes

**Unit Cost** Priority

\$7950.00 72

Visual Contrast

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

### **NNW** Clear Floor Space 248

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 2.6%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 72

Accessible Path	() (lm)	
Accessible Patri	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.6
Clear Floor X Slope	(%)	1.7
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes

Yes >10ft

1.5 - 6.0 ft from curb

10 ft minimum separation

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





**Unit Cost** 

Priority

**Survey Street** 

### **Cross Street**

## **E CLEVELAND AVE**

## **TULARE ST**

		and Proposed So
243	SSE	Color Coding

# Codes / Mitigation Info

CBC 2019: 11B-703.7.2.7

\$6150.00

73

### 243 SSE

Orientation

# olution

**Existing Access Barrier** 

## · As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

70

weasurements		
Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.7
Clear Floor X Slope	(%)	2.0
Button Ht.	(in)	46.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft
	Clear Floor Space Clear Floor Slope Clear Floor X Slope Button Ht. Button Reach Button Diameter Button Pressure Closed Fist Operation Visual Contrast Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone Tactile Arrow Within 5 ft from crosswalk 1.5 - 6.0 ft from curb	Clear Floor Space (y/n) Clear Floor Slope (%) Clear Floor X Slope (%) Button Ht. (in) Button Reach (in) Button Diameter (in) Button Pressure (lbs) Closed Fist Operation (y/n) Visual Contrast (y/n) Contrasting Color Bands (y/n) Vibrotactile Feedback (y/n) Audible Walk Indicator (y/n) Button Locator Tone (y/n) Tactile Arrow (y/n) Within 5 ft from crosswalk (y/n) 1.5 - 6.0 ft from curb (y/n)

Mossuromonte

### SSW 249

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

- · As-is Measurement:
- · Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.6
Clear Floor X Slope	(%)	0.3
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

## **E CLEVELAND AVE**

### **TULARE ST**

ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: **R406.2** 

\$6150.00

70

Unit Cost

Priority

# Existing Access Barrier and Proposed Solution

## Codes / Mitigation Info Measurements

## 247 **WNW**

### Push Button Reach Range

As-Built Description:

Orientation

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

40.0"

• Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

76

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.4
Clear Floor X Slope	(%)	0.3
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

## 250 **WSW**

## Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

38.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.4
Clear Floor X Slope	(%)	0.2
Button Ht.	(in)	38.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Total Costs for Pedestrian Signals at: E Cleveland Ave and Tulare St

\$56,400.00

Survey Street	Cross Street	
City of Madera	Access Compliance Assessment Report - Pedestrian Signals	E Cleveland Ave

S	urvey Street			Cross Street		
E	CLEVE	AND AVE		TULARE ST		
ID	Orientation	Existing Access Barrier and Proposed Solution		Codes / Mitigation Info	Measurements	
	Total Cost	t for Street:	E Cleveland Ave			\$229,200.00

### **Cross Street**

## **GOLDEN STATE DR**

## NW

**ID** Orientation

### **Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$450.00

48

**Unit Cost** 

Priority

# ALMOND AVE

### 271

## Push Button Reach Range

## · As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

38.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton.





	weasurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.7
	Clear Floor X Slope	(%)	0.1
	Button Ht.	(in)	38.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	2.0
ļ	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	Speech Message
	Button Locator Tone	(y/n)	Yes
	Tactile Arrow	(y/n)	Yes
	Within 5 ft from crosswalk	(y/n)	No
	Within 5 ft from crosswalk 1.5 - 6.0 ft from curb	(y/n) (y/n)	No Yes
		,	

Moscuromonto

### SE Clear Floor Space 270

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

2.9% **Unit Cost** 

Priority

ADAAG: 4.3.7

PROWAG: **R404.2** 

CBC 2019: 11B-302.1

ADA 2010: 302.1

\$2250.00 55

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.2
Clear Floor X Slope	(%)	2.9
Button Ht.	(in)	38.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	Speech Message
Button Locator Tone	(y/n)	Yes
Tactile Arrow	(y/n)	Yes
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

## **GOLDEN STATE DR**

## **ALMOND AVE**

### **ID** Orientation and Proposed Solution **SW**

# Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$2250.00

54

**Unit Cost** 

Priority

269

Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

38.0" · As-is Measurement:

• Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 30"x48" level 2% max. clear space at base of signal device. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton.





	Measurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.8
	Clear Floor X Slope	(%)	2.1
	Button Ht.	(in)	38.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
ı	Button Pressure	(lbs)	2.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	Speech Message
	Button Locator Tone	(y/n)	Yes
	Tactile Arrow	(y/n)	Yes
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Total Costs for Pedestrian Signals at: Golden State Dr and Almond Ave

\$4,950.00

**Total Cost for Street:** 

**Golden State Dr** 

\$4,950.00

## **HOWARD RD**

Codes / Mitigation Info

# **ID** Orientation

### **Existing Access Barrier** and Proposed Solution

## **FAIRVIEW AVE**

### **ENE** Push Button Reach Range 116

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the

ADAAG: 4.2.5 ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

**Unit Cost** \$6150.00 Priority 66

· As-is Measurement:

· As-Built Description:

35.5"

· Proposed Solution:

ground.

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

78

**Unit Cost** 

Priority

	Measurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.1
	Clear Floor X Slope	(%)	1.1
	Button Ht.	(in)	35.5
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	2.0
ı	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Measurements

### **ESE** Push Button Reach Range 117

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

36.5"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





(y/n)	Yes
(y/n)	Yes
(%)	1.6
(%)	0.1
(in)	36.5
(in)	0.0
(in)	2.0
(lbs)	2.0
(y/n)	Yes
(y/n)	No
(y/n)	Yes
(y/n)	Yes
	<10ft
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

## **HOWARD RD**

# **FAIRVIEW AVE**

ADAAG: 4.3.7

PROWAG: **R404.2** 

CBC 2019: 11B-302.1

ADA 2010: 302.1

# ID Orientation Existing Access Barrier and Proposed Solution

# Existing Access Barrier Codes / Mitigation Info

# 115 **NNE**

### Clear Floor Space

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

- As-is Measurement: 2.8%
- · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

Unit Cost Priority \$7950.00 62

### Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 0.3 Clear Floor X Slope (%) 2.8 Button Ht. (in) 36.5 **Button Reach** (in) 0.0 **Button Diameter** (in) 2.0 **Button Pressure** (lbs) 2.0 **Closed Fist Operation** (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) No Vibrotactile Feedback No (y/n) Audible Walk Indicator (y/n) No **Button Locator Tone** (y/n) No Tactile Arrow (y/n)No

Measurements

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





## 114 NW <u>Clear Floor Space</u>

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

- As-is Measurement: 2.8%
- · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7**ADA 2010: **302.1**CBC 2019: **11B-302.1**PROWAG: **R404.2** 

Unit Cost Priority \$7950.00 63

	Button Ht.
	Button Reach
1	Button Diameter
ł	Button Pressure
J	Closed Fist Operation

Accessible Path

Clear Floor Space

Clear Floor Slope

Visual Contrast

Clear Floor X Slope

Contrasting Color Bands (y/n) No
Vibrotactile Feedback (y/n) No
Audible Walk Indicator (y/n) No
Button Locator Tone (y/n) No
Tactile Arrow (y/n) No

(y/n)

(y/n)

(%)

(%)

(in)

(in)

(in)

(lbs)

(y/n)

(y/n)

Yes

Yes

0.9

2.8

36.0

0.0

2.0

2.0

Yes

Yes

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation N/A

### Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian

Within 5 ft from cross pushbutton. Provide a button locator tone.

1.5 - 6.0 ft from curb





## **HOWARD RD**

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2** 

CBC 2019: 11B-305.1

ADA 2010: 305.1

### **Existing Access Barrier ID** Orientation and Proposed Solution

# **FAIRVIEW AVE**

SSE 118

Clear Floor Space

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

5.9% · As-is Measurement:

· Proposed Solution:

· Additional Items:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction. **Unit Cost** Priority

\$7950.00 74

### Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 5.9 Clear Floor X Slope 4.5 (%) Button Ht. (in) 36.0 **Button Reach** (in) 0.0 **Button Diameter** (in) 2.0 **Button Pressure** (lbs) 2.0 **Closed Fist Operation** (y/n) Yes Visual Contrast (y/n) No Contrasting Color Bands (y/n) No

Measurements

Vibrotactile Feedback No (y/n) Audible Walk Indicator (y/n) No **Button Locator Tone** (y/n) No Tactile Arrow (y/n)No

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation <10ft





### SW 119

### Clear Floor Space

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

3.0% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding

surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign.

pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile

with 1" wide dark borders located directly above control button. Provide push button which contrasts with

Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the

CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00

Clear Floor X Slope	(%)	3.0
Button Ht.	(in)	36.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No

(y/n)

(y/n)

(%)

Yes

Yes

2.4

Accessible Path

Clear Floor Space

Clear Floor Slope

Vibrotactile Feedback (y/n) No Audible Walk Indicator No (y/n)Button Locator Tone No (y/n)Tactile Arrow (y/n) No

Within 5 ft from crosswalk (v/n)Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation N/A

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





## **HOWARD RD**

## **FAIRVIEW AVE**

**ID** Orientation

**Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

60

Measurements

## Total Costs for Pedestrian Signals at: Howard Rd and Fairview Ave

### \$44,100.00

# 83

### **ENE** Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

40.0" As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

**Priority** 

CBC 2019: 11B-308.2.1

\$6150.00

61

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.5
Clear Floor X Slope	(%)	0.9
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

### **ESE** Push Button Reach Range

· As-Built Description:

88

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement: 40.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





(y/n)	Yes
(y/n)	Yes
(%)	0.2
(%)	0.2
(in)	40.0
(in)	3.0
(in)	2.0
(lbs)	0.0
(y/n)	Yes
(y/n)	Yes
(y/n)	No
(y/n)	Yes
(y/n)	Yes
	<10ft
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

### **Cross Street**

## **HOWARD RD**

## **GRANADA DR**

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

60

**Unit Cost** 

Priority

### NNE 82

**ID** Orientation

### **Existing Access Barrier** and Proposed Solution

## Measurements

Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

40.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

61

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.6
	Clear Floor X Slope	(%)	0.2
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
ı	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

### **NNW** Push Button Reach Range

· As-Built Description:

84

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

40.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.6
Clear Floor X Slope	(%)	0.7
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	No
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

**ID** Orientation

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

62

**Unit Cost** 

Priority

## **HOWARD RD**

### **Existing Access Barrier** and Proposed Solution

# **GRANADA DR**

# Codes / Mitigation Info

## Measurements

89	SSE

Push Button Reach Range

· As-Built Description: Where a forward/or side reach is unobstructed, the high

forward/side reach is more than 48" or less than 42" above the ground.

40.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

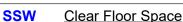
· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.



	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.3
	Clear Floor X Slope	(%)	0.1
	Button Ht.	(in)	40.0
	Button Reach	(in)	2.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	No
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		<10ft





· As-Built Description:

87

Clear floor or ground space at the pedestrian signal device is less than the required 30" x 48" minimum.

· Proposed Solution:

Provide the required 30" x 48" minimum clear floor or ground space at the pedestrian signal device.

· Additional Items:

ADAAG: 4.2.4.1 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.3** 

**Unit Cost** Priority

\$7950.00 70

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	No
Clear Floor Slope	(%)	N/A
Clear Floor X Slope	(%)	N/A
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	No
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

No

No

(y/n)

(y/n) No

(y/n) No

(y/n)

**Survey Street Cross Street** 

## **HOWARD RD**

## **GRANADA DR** Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$6150.00

61

### **WNW** 85

**ID** Orientation

## and Proposed Solution Push Button Reach Range

### · As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

- · As-is Measurement:
- 40.0"
- · Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.4.1

ADA 2010: 305.1 CBC 2019: 11B-305.1

PROWAG: **R404.3** 

\$7950.00

74

**Unit Cost** 

Priority

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.2
	Clear Floor X Slope	(%)	1.5
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No

Measurements

Vibrotactile Feedback

Audible Walk Indicator

**Button Locator Tone** 

Tactile Arrow

Within 5 ft from crosswalk (y/n) No 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft



### **WSW** Clear Floor Space

· As-Built Description:

Clear floor or ground space at the pedestrian signal device is less than the required 30" x 48" minimum.

• Proposed Solution:

Provide the required 30" x 48" minimum clear floor or ground space at the pedestrian signal device.

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Remove the obstruction or reposition the pedestrian signal device to not exceed the 10" maximum side reach depth and 48" high in reach height. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	No
Clear Floor Slope	(%)	N/A
Clear Floor X Slope	(%)	N/A
Button Ht.	(in)	40.0
Button Reach	(in)	24.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Total Costs for Pedestrian Signals at: Howard Rd and Granada Dr

\$52,800.00

>10ft

(y/n)

Yes

Survey Street **Cross Street** 

## **HOWARD RD**

ID Orientation

## **Existing Access Barrier** and Proposed Solution

## **PINE ST**

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

78

### **ENE** 122

## Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

39.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





### Measurements

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.9
Clear Floor X Slope	(%)	0.5
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

Accessible Path

### **ESE** Clear Floor Space 123

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

3.8% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1

CBC 2019: 11B-302.1 PROWAG: **R404.2** 

Ur

nit Cost	\$7950.00
Priority	84

Clear Floor Space (y/n) Yes Clear Floor Slope (%) 2.4 Clear Floor X Slope (%) 3.8 Button Ht (in) 39.0 **Button Reach** (in) 0.0 **Button Diameter** (in) 2.0 **Button Pressure** (lbs) 2.0 **Closed Fist Operation** (y/n) Yes Visual Contrast No (y/n) **Contrasting Color Bands** (y/n) No Vibrotactile Feedback (y/n) No Audible Walk Indicator No (y/n) **Button Locator Tone** No (y/n) Tactile Arrow No (y/n)

Within 5 ft from crosswalk Yes (y/n)1.5 - 6.0 ft from curb (y/n) Yes >10ft 10 ft minimum separation

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





>10ft

Survey Street **Cross Street** 

## **HOWARD RD**

### **Existing Access Barrier ID** Orientation

# **PINE ST**

## and Proposed Solution

## Codes / Mitigation Info

### Measurements

10 ft minimum separation

121	NNE
-----	-----

Clear Floor Space

· As-Built Description: The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.2% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00
85

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.2
Clear Floor X Slope	(%)	2.2
Clear 1 loor A Slope	(70)	2.2
Button Ht.	(in)	48.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	No
1.5 - 6.0 ft from curb	(y/n)	Yes

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





120	NW	Clear Floor Space
120	INVV	Clear Floor Space

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

7.0% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1

PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00
86

Accessible Path	(y/n)	Yes	
Clear Floor Space	(y/n)	Yes	
Clear Floor Slope	(%)	8.0	
Clear Floor X Slope	(%)	7.0	
Button Ht.	(in)	46.0	
Button Reach	(in)	0.0	
Button Diameter	(in)	2.0	
Button Pressure	(lbs)	2.0	
Closed Fist Operation	on (y/n)	Yes	
Visual Contrast	(y/n)	Yes	
Contrasting Color Ba	ands (y/n)	No	
Vibrotactile Feedbac	k (y/n)	No	
Audible Walk Indicat	tor (y/n)	No	
Button Locator Tone	(y/n)	No	
Tactile Arrow	(y/n)	No	
Within 5 ft from cross	swalk (y/n)	Yes	
1.5 - 6.0 ft from curb	(y/n)	No	

10 ft minimum separation

N/A

### · Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 1.5' - 6' from the curbline. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





## **HOWARD RD**

## **Existing Access Barrier** and Proposed Solution

## **PINE ST** Codes / Mitigation Info

### Measurements

**SSE** 124

**ID** Orientation

Clear Floor Space

· As-Built Description: The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.3% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00	
82	

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.3
Clear Floor X Slope	(%)	1.9
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 6.0 ft from curb	(y/n)	Vac

(y/n) 1.5 - 6.0 ft from curb Yes 10 ft minimum separation >10ft

### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





125	SW	Clear Floor Space
		•

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 9.0%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00
98

Clear Floor Space	(y/n)	Yes	
Clear Floor Slope	(%)	1.1	
Clear Floor X Slope	(%)	9.0	
Button Ht.	(in)	44.0	
Button Reach	(in)	0.0	
Button Diameter	(in)	2.0	
Button Pressure	(lbs)	2.0	
Closed Fist Operation	(y/n)	Yes	
Visual Contrast	(y/n)	Yes	
viodai contract	(y/11)	100	
Contrasting Color Bands	(y/n)	No	
	.,		
Contrasting Color Bands	(y/n)	No	
Contrasting Color Bands Vibrotactile Feedback	(y/n) (y/n)	No No	
Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator	(y/n) (y/n) (y/n)	No No No	

(y/n)

Yes

Accessible Path

1.5 - 6.0 ft from curb No 10 ft minimum separation N/A

### · Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 1.5' - 6' from the curbline. Provide a vibrotactile signal device that is integrated with the pedestrian Within 5 ft from crosswalk pushbutton. Provide a button locator tone





## **HOWARD RD**

## **SCHNOOR AVE**

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

70

**Unit Cost** 

Priority

# and Proposed Solution

### **ENE** 106

**ID** Orientation

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

· As-is Measurement:

40.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00 71

**Unit Cost** 

Priority

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.7
Clear Floor X Slope	(%)	1.5
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
	Clear Floor Space Clear Floor Slope Clear Floor X Slope Button Ht. Button Reach Button Diameter Button Pressure Closed Fist Operation Visual Contrast Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone Tactile Arrow	Clear Floor Space (y/n) Clear Floor Slope (%) Clear Floor X Slope (%) Button Ht. (in) Button Reach (in) Button Diameter (in) Button Pressure (lbs) Closed Fist Operation (y/n) Visual Contrast (y/n) Contrasting Color Bands (y/n) Vibrotactile Feedback (y/n) Audible Walk Indicator (y/n) Button Locator Tone (y/n) Tactile Arrow (y/n)

(y/n)

>10ft

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

### **ESE** Push Button Reach Range 113

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

40.5"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.0
Clear Floor X Slope	(%)	1.3
Button Ht.	(in)	40.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	No
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum senaration		>10ft

## **HOWARD RD**

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$2550.00

59

## and Proposed Solution

**Existing Access Barrier** 

# **SCHNOOR AVE**

NNE 107

**ID** Orientation

Push Button Reach Range

· As-Built Description: Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the

· As-is Measurement:

38.5"

· Proposed Solution:

ground.

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton.





Accessible Path Clear Floor Space Clear Floor Slope Clear Floor X Slope	(y/n) (y/n) (%) (%)	Yes Yes 1.3
Button Ht.	(in)	38.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	Yes
Tactile Arrow	(y/n)	No

Measurements

Within 5 ft from crosswalk (y/n)Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

#### **NNW** Clear Floor Space 108

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.7% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction. ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

ADAAG: 4.3.7

**Unit Cost** Priority

\$7950.00 72

Clear Floor X Slope	(%)	2.7
Button Ht.	(in)	39.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(v/n)	No

(y/n)

(y/n)

(%)

Yes

Yes

0.5

Accessible Path

Clear Floor Space

Clear Floor Slope

Vibrotactile Feedback (y/n) No Audible Walk Indicator No (y/n)No (y/n) Tactile Arrow No (y/n)

Within 5 ft from crosswalk Yes (y/n)1.5 - 6.0 ft from curb (y/n) Yes >10ft 10 ft minimum separation

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to Button Locator Tone the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





## **HOWARD RD**

# **SCHNOOR AVE**

**ID** Orientation

**Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

Measurements

Accessible Path

Clear Floor Space

**Button Locator Tone** 

Tactile Arrow

**SSE** 112

Clear Floor Space

ADAAG: 4.3.7 ADA 2010: 302.1

CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** \$7950.00 Priority

67

Clear Floor Slope	(%)	1.9
Clear Floor X Slope	(%)	2.3
Button Ht.	(in)	38.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No

(v/n)

(y/n)

(y/n)

(y/n)

No

No

Yes

Yes

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.3% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





11	SSW	<u>Clear Floor S</u>	<u>pace</u>

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 2.4%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 72

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.4
Clear Floor X Slope	(%)	1.6
Button Ht.	(in)	38.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

>10ft

10 ft minimum separation

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





## **HOWARD RD**

· As-Built Description:

109

## ID Orientation Existing Access

signal device exceed 1:48 (2%).

# Existing Access Barrier and Proposed Solution

# SCHNOOR AVE Codes / Mitigation Info

## WNW Clear Floor Space

The cross slope of the floor or ground surface at the pedestrian

ADAAG: **4.3.7** ADA 2010: **302.1** CBC 2019: **11B-302.1** 

CBC 2019: **11B-302.**′ PROWAG: **R404.2** 

Unit Cost	\$7950.00
Priority	73

As-is Measurement: 3.7% Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.5
	Clear Floor X Slope	(%)	3.7
	Button Ht.	(in)	38.5
	Button Reach	(in)	0.0
٦	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	2.0
┙	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
О	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	No
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Measurements

## 110 WSW Clear Floor Space

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement: 2.1%

• Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7**ADA 2010: **305.1**CBC 2019: **11B-305.1**PROWAG: **R404.2** 

Unit Cost Priority \$7950.00 72

	Button Ht.
	Button Reach
1	Button Diameter
ł	Button Pressure

Closed Fist Operation

Button Locator Tone

Tactile Arrow

Accessible Path

Clear Floor Space

Clear Floor Slope

Clear Floor X Slope

Visual Contrast (y/n) Yes

Contrasting Color Bands (y/n) No

Vibrotactile Feedback (y/n) No

Audible Walk Indicator (y/n) No

(y/n)

(y/n)

(%)

(%)

(in)

(in)

(in)

(lbs)

(y/n)

(y/n)

(y/n)

Yes

Yes

2.1

1.8

38.5

0.0

2.0

2.0

Yes

No

No

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.3.7

PROWAG: **R404.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-305.1

\$7950.00

79

ADA 2010: 305.1

## Total Costs for Pedestrian Signals at: Howard Rd and Schnoor Ave

\$54,600.00

81 S Clear Floor Space

• As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement: 4.6%

• Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





			•
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	4.6
	Clear Floor X Slope	(%)	0.1
	Button Ht.	(in)	40.0
	Button Reach	(in)	15.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
)	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		N/A

Total Costs for Pedestrian Signals at: Howard Rd and Shannon Ave

\$7,950.00

Total Cost for Street: Howard Rd \$205,350.00

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

85

**Survey Street Cross Street** 

#### N G ST W 4TH ST

#### and Proposed Solution Е Push Button Reach Range 54

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

39.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

74

**Unit Cost** 

Priority

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.4
	Clear Floor X Slope	(%)	0.4
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
ł	Button Pressure	(lbs)	0.0
Ţ	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
,	Tactile Arrow	(y/n)	No
ı	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		<10ft

Measurements

#### N Push Button Reach Range 51

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

40.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.2
	Clear Floor X Slope	(%)	0.3
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
t	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: **R406.2** 

\$6150.00

84

**Unit Cost** 

Priority

Survey Street Cross Street

## N G ST W 4TH ST

# and Proposed Solution NE Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

• As-is Measurement: 40.0"

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

97

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.9
	Clear Floor X Slope	(%)	8.0
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Measurements

## 55 S Push Button Reach Range

As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

• As-is Measurement: 39.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with

the pedestrian pushbutton. Provide a button locator tone.



(y/n)	Yes
(y/n)	Yes
(%)	1.7
(%)	0.7
(in)	39.0
(in)	0.0
(in)	2.0
(lbs)	0.0
(y/n)	Yes
(y/n)	Yes
(y/n)	No
(y/n)	Yes
(y/n)	Yes
	<10ft
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

85

Survey Street Cross Street

## N G ST W 4TH ST

# and Proposed Solution SE Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

• As-is Measurement: 39.0"

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: R406.2

\$6150.00

97

**Unit Cost** 

Priority

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.9
	Clear Floor X Slope	(%)	0.7
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
ł	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
;	Tactile Arrow	(y/n)	No
l	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		<10ft

Measurements

## 56 SE Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

• Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





(y/n)	Yes
(y/n)	Yes
(%)	1.6
(%)	0.2
(in)	39.0
(in)	0.0
(in)	2.0
(lbs)	0.0
(y/n)	Yes
(y/n)	Yes
(y/n)	No
(y/n)	Yes
(y/n)	Yes
	(y/n) (%) (in) (in) (ibs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

86

**Survey Street Cross Street** 

N G ST W 4TH ST

and Proposed Solution SW Push Button Reach Range 57

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

40.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

86

**Unit Cost** 

Priority

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.5
	Clear Floor X Slope	(%)	0.4
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
ł	Button Pressure	(lbs)	0.0
]	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Measurements

#### W Push Button Reach Range 58

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

39.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.6
Clear Floor X Slope	(%)	0.6
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
1.5 - 6.0 ft from curb 10 ft minimum separation	(y/n)	Yes >10ft

Total Costs for Pedestrian Signals at: N G St and W 4Th St

\$49,200.00

•		•	· ·	
Survey Street		Cross Street		
N G ST		W 4TH ST		
ID Orientation Existing Access Barrie and Proposed Solution		Codes / Mitigation Info	Measurements	
Total Cost for Street:	N G St			\$49,200.00

>10ft

Survey Street

**ID** Orientation

#### **Cross Street**

### N SCHNOOR AVE

### **FOXGLOVE WAY**

# 95 ENE Clear Floor Space

# Existing Access Barrier Codes / Mitigation Info and Proposed Solution

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement: 2.2%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADA 2010: **302.1** CBC 2019: **11B-302.1** PROWAG: **R404.2** 

ADAAG: 4.3.7

Unit Cost Priority

\$7950.00	
52	

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.1
Clear Floor X Slope	(%)	2.2
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

Measurements

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: R406.2

\$6150.00

44

**Unit Cost** 

Priority

96	<b>ESE</b>	Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

• Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.0"

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.3
	Clear Floor X Slope	(%)	1.5
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
t	Button Pressure	(lbs)	2.0
J	Closed Fist Operation	(y/n)	Yes
Visual Contrast		(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

>10ft

**Survey Street** 

## N SCHNOOR AVE

### **FOXGLOVE WAY**

\$6150.00

50

#### NNE Push Button Reach Range 94

# Codes / Mitigation Info

**Unit Cost** 

Priority

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

**Cross Street** 

#### · As-Built Description:

ID Orientation

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

and Proposed Solution

· As-is Measurement:

39.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Measurements
--------------

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.5
Clear Floor X Slope	(%)	0.4
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

#### **NNW** Clear Floor Space 93

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

3.1% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 66

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





(y/n) (y/n) (%) (%)	Yes Yes 3.1 2.8
(%) (%)	3.1
(%)	
. ,	2.8
/:\	
(in)	39.0
(in)	0.0
(in)	2.0
(lbs)	2.0
(y/n)	Yes
(y/n)	No
	M-
(y/n)	No
(y/n) (y/n)	No No
,	
(y/n)	No
	(in) (lbs) (y/n) (y/n) (y/n)

## N SCHNOOR AVE

## **FOXGLOVE WAY**

# ID Orientation

#### **Existing Access Barrier** and Proposed Solution

#### **SSE** 97

ground.

# ADAAG: 4.2.5 ADA 2010: 308.2.1

Codes / Mitigation Info

## Push Button Reach Range · As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the CBC 2019: 11B-308.2.1 PROWAG: **R406.2** 

· As-is Measurement:

39.0"

**Unit Cost** Priority

\$6150.00	
62	

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

62

**Unit Cost** 

Priority

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.0
	Clear Floor X Slope	(%)	0.9
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	2.0
L	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Measurements

## **SSW**

91

#### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

than 42" from the ground.

· Proposed Solution:

39.0"

Reposition the pedestrian signal device to be less than 48" and more

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.7
Clear Floor X Slope	(%)	8.0
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

## N SCHNOOR AVE

## **FOXGLOVE WAY**

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

#### **Existing Access Barrier** and Proposed Solution

\$6150.00

62

#### **WNW** 92

## Push Button Reach Range

#### · As-Built Description:

Orientation

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

39.5"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

62

**Unit Cost** 

Priority

#### Measurements

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.5
	Clear Floor X Slope	(%)	0.5
	Button Ht.	(in)	39.5
	Button Reach	(in)	0.0
l	Button Diameter	(in)	2.0
	Button Pressure	(lbs)	2.0
ı	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	No
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

#### **WSW** Push Button Reach Range 90

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.3
Clear Floor X Slope	(%)	1.3
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Total Costs for Pedestrian Signals at: N Schnoor Ave and Foxglove Way

\$52,800.00

## N SCHNOOR AVE

### **KENNEDY ST**

# and Proposed Solution 216 ENE Clear Floor Space

## Codes / Mitigation Info

## Measurements

**ID** Orientation

As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

**Existing Access Barrier** 

• As-is Measurement: 2.4%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7** ADA 2010: **305.1** CBC 2019: **11B-305.1** PROWAG: **R404.2** 

Unit Cost Priority

7950.00
46

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.4
Clear Floor X Slope	(%)	0.5
Button Ht.	(in)	41.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
4 F C O # f	(1./10)	Vac

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





217 ESE <u>Clear Floor Spac</u>

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement: 3.1%

• Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7** ADA 2010: **305.1** CBC 2019: **11B-305.1** PROWAG: **R404.2** 

Unit Cost Priority

\$7950.00
48

	(). /	
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	3.1
Clear Floor X Slope	(%)	2.1
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No

Within 5 ft from crosswalk

10 ft minimum separation

1.5 - 6.0 ft from curb

(y/n) Yes

(y/n)

>10ft

Accessible Path

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





#### **Cross Street**

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2** 

CBC 2019: 11B-305.1

ADA 2010: 305.1

### N SCHNOOR AVE

# **KENNEDY ST**

NNE

Clear Floor Space 215

· As-Built Description:

Orientation

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

**Existing Access Barrier** 

and Proposed Solution

2.4% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction. **Unit Cost** Priority

\$7950.00 46

#### Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 2.4 Clear Floor X Slope (%) 0.5 Button Ht. (in) 40.0 **Button Reach** (in) 0.0 **Button Diameter** (in) 2.0 **Button Pressure** (lbs) 0.0 **Closed Fist Operation** (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) No Vibrotactile Feedback No (y/n) Audible Walk Indicator (y/n) No **Button Locator Tone** (y/n) No Tactile Arrow No

Measurements

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

(y/n)

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

44

**Unit Cost** 

Priority

#### **NNW** Push Button Reach Range 221

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

40.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.5
Clear Floor X Slope	(%)	0.5
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.2
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

## N SCHNOOR AVE

## **KENNEDY ST**

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

#### and Proposed Solution **SSE** Push Button Reach Range 218

#### Codes / Mitigation Info Measurements

\$6150.00

44

· As-Built Description:

**ID** Orientation

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

40.0" · As-is Measurement:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

· Proposed Solution:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.4
	Clear Floor X Slope	(%)	1.8
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

#### SSW Push Button Reach Range 219

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

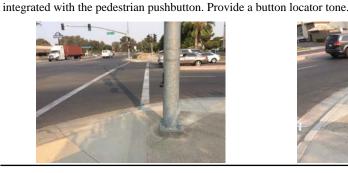
40.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.0
	Clear Floor X Slope	(%)	1.0
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
┪	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
3	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

## N SCHNOOR AVE

### **KENNEDY ST**

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

44

#### .....

# Existing Access Barrier and Proposed Solution

## Measurements

## 222 **WNW**

## Push Button Reach Range

· As-Built Description:

Orientation

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

40.0"

• Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: R406.2

\$6150.00

**Unit Cost** 

Priority

	Measurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.6
	Clear Floor X Slope	(%)	2.0
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

## 220 **WSW**

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

- As-is Measurement:
- · Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

40.0"

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.2
Clear Floor X Slope	(%)	8.0
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Total Costs for Pedestrian Signals at: N Schnoor Ave and Kennedy St

\$54,600.00

City of Madera	Access Compliance Assessment Report - Pedestrian Signals	N Schnoor Ave
Survey Street	Cross Street	
N SCHNOOR AVE	KENNEDY ST	
ID Orientation Existing Access Barrier and Proposed Solution	Codes / Mitigation Info Measurements	

**N Schnoor Ave** 

\$107,400.00

**Total Cost for Street:** 

#### **Cross Street**

**Unit Cost** 

Priority

Codes / Mitigation Info

CBC 2019: 11B-703.7.2.7

\$7950.00

93

ID	Orientation	Existing Access Barrier and Proposed Solution
1	NF	Color Coding

#### · As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

· Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide 30"x48" level 2% max. clear space at base of signal device. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Measurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	2.1
	Clear Floor X Slope	(%)	0.5
	Button Ht.	(in)	42.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		N/A

#### NW Clear Floor Space

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

- 3.2% · As-is Measurement:
- · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00
93

(s) not exceeding the required 1.48 (2%) maximum in any direction.
Additional Items:
Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color
with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned

r coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	3.2
Clear Floor X Slope	(%)	0.5
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	5.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		N/A

Total Costs for Pedestrian Signals at: Olive Ave and

\$15,900.00

**Unit Cost** 

Priority

**Survey Street Cross Street** 

### **OLIVE AVE**

Orientation

# **MARTIN ST**

טו	Orientation	and Proposed Solution		
12	N	Color Coding		

# Codes / Mitigation Info

CBC 2019: 11B-703.7.2.7

\$6150.00

91

· As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

**Existing Access Barrier** 

Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Measurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.3
	Clear Floor X Slope	(%)	0.4
	Button Ht.	(in)	42.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		N/A

#### SE Clear Floor Space

· As-Built Description:

11

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

4.4%

ADA 2010: 305.1

CBC 2019: 11B-305.1 PROWAG: **R404.2** 

ADAAG: 4.3.7

**Unit Cost** Priority

\$7950.00 94

Clear Floor Slope	(%)	4.4	
Clear Floor X Slope	(%)	1.0	
Button Ht.	(in)	42.0	
Button Reach	(in)	0.0	
Button Diameter	(in)	2.0	
Button Pressure	(lbs)	0.0	
Closed Fist Operation	(y/n)	Yes	
/isual Contrast	(y/n)	Yes	
Contrasting Color Bands	(y/n)	No	
/ibrotactile Feedback	(y/n)	No	

(y/n)

(y/n)

(y/n) No

N/A

Yes

Accessible Path

Clear Floor Space

**Button Locator Tone** (y/n) No Tactile Arrow (y/n) No Within 5 ft from crosswalk Yes (y/n)15 - 60 ft from curb Yes (y/n)

Audible Walk Indicator

10 ft minimum separation

#### · Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Total Costs for Pedestrian Signals at: Olive Ave and Martin St

\$14,100.00

**Existing Access Barrier** 

and Proposed Solution

## **Cross Street**

## **OLIVE AVE**

**ID** Orientation

# **SKST**

#### **NW** Clear Floor Space 13

· As-Built Description: The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

5.3% · As-is Measurement:

Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

Codes / Mitigation Info

**Unit Cost** Priority

\$7950.00 94

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	5.3
Clear Floor X Slope	(%)	2.0
Button Ht.	(in)	42.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

Measurements

N/A 10 ft minimum separation

#### · Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





**Unit Cost** 

Priority

CBC 2019: 11B-703.7.2.7

\$6150.00

91

#### **SW Color Coding** 14

· As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.2
Clear Floor X Slope	(%)	0.7
Button Ht.	(in)	42.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

Total Costs for Pedestrian Signals at: Olive Ave and SK St

\$14,100.00

N/A

### **Cross Street**

#### **OLIVE AVE**

## S L ST

# **ID** Orientation

# **Existing Access Barrier**

Push Button Reach Range

# Codes / Mitigation Info

#### Measurements

#### NE 20

# and Proposed Solution

ADAAG: 4.2.5 ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

> **Unit Cost** Priority

\$6150.00 78

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

41.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.5
	Clear Floor X Slope	(%)	1.6
	Button Ht.	(in)	41.0
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

#### SE Clear Floor Space 19

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

7.1% • As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

Unit Pri

Cost	\$7950.00
ority	89

	()	
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	8.0
Clear Floor X Slope	(%)	7.1
Button Ht.	(in)	42.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(v/n)	Yes

(y/n) Yes

(y/n)

Yes >10ft

Accessible Path

1.5 - 6.0 ft from curb

10 ft minimum separation

#### · Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





# **Cross Street**

ID	Orientation	Existing Access Barrier and Proposed Solution

## S L ST Codes / Mitigation Info

**Unit Cost** 

Priority

CBC 2019: 11B-703.7.2.7

\$6150.00

81

**SSW** 18

Color Coding

· As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Measurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.6
	Clear Floor X Slope	(%)	1.2
	Button Ht.	(in)	48.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
t	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

#### **WSW** Clear Floor Space

· As-Built Description:

17

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

3.2%

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 89

Clear Floor X Slope	(%)	3.2
Button Ht.	(in)	48.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No

(y/n)

(y/n)

(%)

Yes

Yes

0.3

Accessible Path

Clear Floor Space

Clear Floor Slope

Vibrotactile Feedback (y/n) No Audible Walk Indicator (v/n) No **Button Locator Tone** No (y/n) **Tactile Arrow** (y/n) No

Within 5 ft from crosswalk Yes (y/n)15 - 60 ft from curb (y/n) Yes 10 ft minimum separation >10ft

#### · Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Total Costs for Pedestrian Signals at: Olive Ave and SLSt

\$28,200.00

**Unit Cost** 

Priority

**Survey Street** 

### **Cross Street**

# **OLIVE AVE**

## **SANTA CRUZ ST**

ID	Orientation	Existing Access Barri and Proposed Solution	
15	NW	Color Coding	

# Codes / Mitigation Info

CBC 2019: 11B-703.7.2.7

\$6150.00

79

· As-Built Description: Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border

**Existing Access Barrier** 

band above and below this yellow band.

· Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	mode di oni oni o		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.3
	Clear Floor X Slope	(%)	0.7
	Button Ht.	(in)	42.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		N/A

Measurements

#### **SW** Clear Floor Space 16

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.



ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$0.00 86

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	N/A
Clear Floor X Slope	(%)	N/A
Button Ht.	(in)	42.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
/isual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
/ibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Nithin 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		N/A





Total Costs for Pedestrian Signals at: Olive Ave and Santa Cruz St

\$6,150.00

**Unit Cost** 

Priority

Survey Street

#### **Cross Street**

Codes / Mitigation Info

CBC 2019: 11B-703.7.2.7

\$6150.00

57

<u>U</u>	<u>LIVE AV</u>	<u>'E</u>	WALLACE AVI
ın	Orientation	Existing Access Barrier	Codes / Mitigation Info

## 162

#### NE Color Coding

#### · As-Built Description:

Orientation

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

and Proposed Solution

· Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Measurements		
	Accessible Path Clear Floor Space Clear Floor Slope Clear Floor X Slope	(y/n) (y/n) (%) (%)	Yes Yes 0.7 0.1
	Button Ht. Button Reach Button Diameter Button Pressure Closed Fist Operation Visual Contrast	(in) (in) (in) (lbs) (y/n) (y/n)	42.0 0.0 2.0 2.0 Yes
	Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone Tactile Arrow Within 5 ft from crosswalk 1.5 - 6.0 ft from curb	(y/n) (y/n) (y/n) (y/n) (y/n) (y/n)	No No No No No Yes

10 ft minimum separation

Total Costs for Pedestrian Signals at: Olive Ave and Wallace Ave

\$6,150.00

N/A

**Total Cost for Street:** 

**Olive Ave** 

\$84,600.00

Survey Street **Cross Street** 

## S GATEWAY DR

## E 9TH ST

268	E	Clear Floor Space

Codes / Mitigation Info

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%). 4.2%

**Existing Access Barrier** 

and Proposed Solution

PROWAG: **R404.2** 

· As-is Measurement:

**Unit Cost** \$7950.00 Priority 106

· Proposed Solution:

· As-Built Description:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

#### · Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	4.2
	Clear Floor X Slope	(%)	0.6
	Button Ht.	(in)	47.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	0.5
l	Button Pressure	(lbs)	5.0
ļ	Closed Fist Operation	(y/n)	No
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Measurements

#### **NNE** Clear Floor Space 266

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

6.3% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 106

Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	6.3
Clear Floor X Slope	(%)	6.2
Button Ht.	(in)	41.0
Button Reach	(in)	0.0
Button Diameter	(in)	0.5
Button Pressure	(lbs)	5.0
Closed Fist Operation	(y/n)	No
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No

Within 5 ft from crosswalk

10 ft minimum separation

1.5 - 6.0 ft from curb

(y/n) Yes

>10ft

Accessible Path

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





## **S GATEWAY DR**

## E 9TH ST

Orientation

#### **Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

89

**Unit Cost** 

Priority

#### Measurements

#### **NNW** 265

## Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

51.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

94

	mode di oni oni o		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.6
	Clear Floor X Slope	(%)	0.5
	Button Ht.	(in)	51.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
ļ	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

#### W 267

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

51.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Remove the obstruction or reposition the pedestrian signal device to not exceed the 10" maximum side reach depth and 48" high in reach height. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.5
Clear Floor X Slope	(%)	0.6
Button Ht.	(in)	51.0
Button Reach	(in)	18.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
	(),,	
1.5 - 6.0 ft from curb	(y/n)	Yes

Total Costs for Pedestrian Signals at: S Gateway Dr and E 9Th St

Yes

N/A

(y/n)

**Survey Street** 

#### **Cross Street**

## S GATEWAY DR

## **OLIVE AVE**

## **ID** Orientation

#### **Existing Access Barrier** and Proposed Solution

# Codes / Mitigation Info

#### Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

NE 158

Clear Floor Space

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.6% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00	
73	

Accessible Path Clear Floor Space	(y/n) (y/n)	Yes Yes
Clear Floor Slope	(%)	0.7
Clear Floor X Slope	(%)	2.6
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

54

**Unit Cost** 

Priority

159	NNW	Push Button Reach Rang	<u>e</u>

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.5"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.2
	Clear Floor X Slope	(%)	1.7
	Button Ht.	(in)	39.5
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
t	Button Pressure	(lbs)	2.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Prepared by Sally Swanson Architects, Inc. Project #

## **Cross Street**

## **S GATEWAY**

## **OLIVE AVE**

Orientation

**Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

Measurements

Accessible Path

Clear Floor Space

Vibrotactile Feedback

Audible Walk Indicator

**Button Locator Tone** 

Tactile Arrow

Accessible Path

Tactile Arrow

Clear Floor Space

SW 161

Clear Floor Space

The slope of the floor or ground surface at the pedestrian signal

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1

Clear Floor Slope (%) 3.7 (%) 0.6 (in) 39.5

(y/n)

(y/n)

Yes

Yes

0.0

No

(v/n)

(y/n) No

(y/n) No

(y/n) No

(y/n)

(y/n)

(y/n)

No

Yes

Yes

device exceed 1:48 (2%).

· As-Built Description:

3.7%

Clear Floor X Slope PROWAG: **R404.2** Button Ht. **Button Reach** (in)

· As-is Measurement: · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction. **Unit Cost** \$7950.00 Priority 57

**Button Diameter** (in) 2.0 **Button Pressure** (lbs) 2.0 **Closed Fist Operation** (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) No

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		N/A

#### **WNW** Clear Floor Space 160

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 4.7%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 60

(%)	4.7
(%)	4.6
(in)	38.5
(in)	0.0
(in)	2.0
(lbs)	2.0
(y/n)	Yes
(y/n)	Yes
(y/n)	No
	(%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n)

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to Button Locator Tone the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





City of Madera	Access Compliance Assessment Report - Pedestrian Signals	S Gateway Dr
Survey Street	Cross Street	

Su	rvey Street			Cross Street		
S	<b>GATEW</b>	AY DR		OLIVE AVE		
ID	Orientation	Existing Access Barrier and Proposed Solution		Codes / Mitigation Info	Measurements	
	Total Cost	t for Street:	S Gateway Dr			\$58,200.00

N/A

**Cross Street** 

**Survey Street** 

## ST. MICHELLE DR

#### STADIUM RD

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

66

**Unit Cost** 

Priority

# NE

#### **Existing Access Barrier** and Proposed Solution

# Codes / Mitigation Info

## 2

ID Orientation

## Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

36.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6630.00

66

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.2
Clear Floor X Slope	(%)	0.4
Button Ht.	(in)	36.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

Measurements

#### **NW** Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

36.5"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.6
Clear Floor X Slope	(%)	8.0
Button Ht.	(in)	36.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		N/A

Total Costs for Pedestrian Signals at: St. Michelle Dr and Stadium Rd

\$12,780.00

City of Madera Access Compliance Assessment Report - Pedestrian Signals	
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Survey Street		Cross Street		
ST. MICHELLE DR		STADIUM RD		
ID Orientation Existing Access Barrier and Proposed Solution		Codes / Mitigation Info	Measurements	
Total Cost for Street:	St. Michelle Dr			\$12,780.00

St. Michelle Dr

## **STADIUM RD**

## **OLIVE AVE**

# and Proposed Solution

# Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

87

**ESE** 292

**ID** Orientation

Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

· As-is Measurement:

38.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path Clear Floor Space Clear Floor Slope Clear Floor X Slope	(y/n) (y/n) (%)	Yes Yes 1.1
	Button Ht.	(%) (in)	38.0
	Button Reach	(in)	0.0
l	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	2.0
ı	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes

Yes

<10ft

(y/n)

(y/n)

(y/n)

(%)

(%)

(y/n)

Yes

Yes

3.0

2.5

39.0

0.0

2.0

2.0

Yes

Yes

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

#### NE Clear Floor Space 291

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

3.0% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 93

	Button Ht.	(in)
	Button Reach	(in)
1	Button Diameter	(in)
ł	Button Pressure	(lbs)
J	Closed Fist Operation	(y/n)

Accessible Path

Clear Floor Space

Clear Floor Slope

Visual Contrast

Clear Floor X Slope

Contrasting Color Bands No (y/n) Vibrotactile Feedback No (y/n) Audible Walk Indicator (y/n) No (y/n) No Tactile Arrow (y/n) No

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to Button Locator Tone the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





>10ft

**Survey Street Cross Street** 

## **STADIUM RD**

## **OLIVE AVE**

טו	Orientation	and Proposed Solution
200	NW	Clear Floor Space

# Codes / Mitigation Info

### <u>ileai Fioor Space</u>

**Existing Access Barrier** 

· As-Built Description:

Orientation

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

7.1% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00
98

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.1
Clear Floor X Slope	(%)	7.1
Button Ht.	(in)	45.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

Measurements

#### · Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

87

#### SSE Push Button Reach Range 293

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

38.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items: Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be

less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.5
Clear Floor X Slope	(%)	1.0
Button Ht.	(in)	38.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft

>10ft

**Survey Street Cross Street** 

## **STADIUM RD**

Orientation

## **OLIVE AVE**

# and Proposed Solution

# Codes / Mitigation Info

SSW 288

Clear Floor Space

**Existing Access Barrier** 

· As-Built Description: The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.2% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00
91

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.2
Clear Floor X Slope	(%)	1.1
Button Ht.	(in)	46.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

Measurements

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





#### **WSW** Clear Floor Space 289

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.9% • As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1

CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 91

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	8.0
Clear Floor X Slope	(%)	2.9
Button Ht.	(in)	46.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes

(y/n)

Yes

>10ft

1.5 - 6.0 ft from curb

10 ft minimum separation

#### · Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Total Costs for Pedestrian Signals at: Stadium Rd and Olive Ave

\$44,100.00

#### CTADILINA

**ID** Orientation

#### DEG 4 11 4 1

## STADIUM RD

# Existing Access Barrier and Proposed Solution

# PECAN AVE Codes / Mitigation Info

## 133 **ENE**

# Clear Floor Space

The cross slope of the floor or ground surface at the pedestrian

ADAAG: **4.3.7** ADA 2010: **302.1** CBC 2019: **11B-302.1** 

PROWAG: **R404.2** 

• As-is Measurement: 5.9%

signal device exceed 1:48 (2%).

Unit Cost

Priority

\$7950.00	
82	

Proposed Solution:

· As-Built Description:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices.Relocate the pedestrian signal device to be less than 1.5' - 6' from the curbline.Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

71

	mode and monte		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.8
	Clear Floor X Slope	(%)	5.9
	Button Ht.	(in)	39.5
	Button Reach	(in)	13.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	2.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
)	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	No
	10 ft minimum separation		<10ft

Measurements

## 126 ESE Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

38.0"

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





(y/n)	Yes
(y/n)	Yes
(%)	1.4
(%)	0.2
(in)	38.0
(in)	0.0
(in)	2.0
(lbs)	2.0
(y/n)	Yes
(y/n)	Yes
(y/n)	No
(y/n)	Yes
	>10ft
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

<10ft

**Survey Street Cross Street** 

## **STADIUM RD**

#### **Existing Access Barrier** and Proposed Solution

# **PECAN AVE** Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

74

**Unit Cost** 

Priority

#### NNE 132

**ID** Orientation

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

38.0"

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

· Proposed Solution:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Relocate the pedestrian signal device to be less than 1.5' -6' from the curbline. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

70

#### Measurements

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.2
	Clear Floor X Slope	(%)	0.6
	Button Ht.	(in)	38.0
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
	Button Pressure	(lbs)	2.0
	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	No

10 ft minimum separation

#### NNW 131

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

38.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.5
Clear Floor X Slope	(%)	1.7
Button Ht.	(in)	38.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Survey Street **Cross Street** 

ID Orientation

# **STADIUM RD**

# **PECAN AVE**

**SSE** 

**Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

Measurements

Accessible Path

Tactile Arrow

127

Clear Floor Space

The cross slope of the floor or ground surface at the pedestrian

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1

PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00	
74	

(y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 0.4 Clear Floor X Slope (%) 3.3 Button Ht. (in) 36.5 **Button Reach** (in) 0.0 **Button Diameter** (in) 2.0 **Button Pressure** (lbs) 2.0 **Closed Fist Operation** (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) No Vibrotactile Feedback No (v/n)Audible Walk Indicator (y/n) No **Button Locator Tone** (y/n) No

Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) No 10 ft minimum separation >10ft

(y/n)

(y/n)

(y/n)

(%)

(%)

(in)

(in)

Yes

Yes

3.9

0.5

39.0

5.0

No

As-is Measurement:

signal device exceed 1:48 (2%).

· As-Built Description:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

3.3%

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 1.5' - 6' from the curbline. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





#### Clear Floor Space SSW 128

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

3.9% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1

> CBC 2019: 11B-305.1 PROWAG: **R404.2**

**Unit Cost** Priority

\$7950.00 74

Button Reach
Button Diame
Button Pressu

Button Ht.

Accessible Path

Clear Floor Space

Clear Floor Slope

Clear Floor X Slope

Diameter (in) 2.0 ressure (lbs) 2.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes No

Contrasting Color Bands (y/n) Vibrotactile Feedback (y/n) No Audible Walk Indicator No (y/n)Button Locator Tone No (y/n)Tactile Arrow (y/n) No

Yes Within 5 ft from crosswalk (v/n)1.5 - 6.0 ft from curb (y/n) No 10 ft minimum separation >10ft

#### · Additional Items:





**Survey Street Cross Street** 

# **STADIUM RD**

## **PECAN AVE**

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$7950.00

73

**Unit Cost** 

Priority

# **ID** Orientation

#### **Existing Access Barrier** and Proposed Solution

# Codes / Mitigation Info

#### **WNW** 130

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

38.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 30"x48" level 2% max. clear space at base of signal device. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.3.7

CBC 2019: 11B-305.1

ADA 2010: 305.1

#### Measurements

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.2
Clear Floor X Slope	(%)	2.1
Button Ht.	(in)	38.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft
	Clear Floor Space Clear Floor Slope Clear Floor X Slope Button Ht. Button Reach Button Diameter Button Pressure Closed Fist Operation Visual Contrast Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone Tactile Arrow Within 5 ft from crosswalk 1.5 - 6.0 ft from curb	Clear Floor Space (y/n) Clear Floor Slope (%) Clear Floor X Slope (%) Button Ht. (in) Button Reach (in) Button Diameter (in) Button Pressure (lbs) Closed Fist Operation (y/n) Visual Contrast (y/n) Contrasting Color Bands (y/n) Vibrotactile Feedback (y/n) Audible Walk Indicator (y/n) Button Locator Tone (y/n) Tactile Arrow (y/n) Within 5 ft from crosswalk (y/n) 1.5 - 6.0 ft from curb (y/n)

#### Clear Floor Space **WSW** 129

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

4.0% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

PROWAG: **R404.2 Unit Cost** 

\$7950.00 73

Priority

· Additional Items:





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	4.0
Clear Floor X Slope	(%)	0.1
Button Ht.	(in)	37.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

City of Madera	Access Compliance Assessment Report - Pedestrian Signals	Stadium Rd	
Survey Street	Cross Street		
STADIUM RD	PECAN AVE		
ID Orientation Existing Access Ba and Proposed Solu	Codes / Williaguon into - Wieasurements		
Total Costs for Pedestr	ian Signals at: Stadium Rd and Pecan Ave	\$58,200.00	
Total Cost for Street:	Stadium Rd	\$102.300.00	

**Cross Street Survey Street** 

### **SUNRISE AVE**

### LILLY ST

### **ID** Orientation

signal device exceed 1:48 (2%).

#### **Existing Access Barrier** and Proposed Solution

# Codes / Mitigation Info

ADAAG: 4.3.7

#### Measurements

NE 175 · As-Built Description:

As-is Measurement:

· Proposed Solution:

The cross slope of the floor or ground surface at the pedestrian

7.2%

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

Clear Floor Space

ADA 2010: 302.1 CBC 2019: 11B-302.1

PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00
114

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.2
Clear Floor X Slope	(%)	7.2
Button Ht.	(in)	44.0
Button Reach	(in)	12.5
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation N/A

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$3030.00

54

**Unit Cost** 

**Priority** 

# Total Costs for Pedestrian Signals at: Sunrise Ave and Lilly St

## \$7,950.00

# **ESE** · As-Built Description:

172

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

Push Button Reach Range

· As-is Measurement:

39.5"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device.





		• •
Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.6
Clear Floor X Slope	(%)	0.4
Button Ht.	(in)	39.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	Yes
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	Yes
Tactile Arrow	(y/n)	Yes
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

#### **Cross Street**

### **SUNRISE AVE**

### **TOZER ST**

ID Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

173

NE Clear Floor Space

As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

• As-is Measurement: 4.6%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7** ADA 2010: **305.1** CBC 2019: **11B-305.1** PROWAG: **R404.2** 

Unit Cost Priority \$4830.00 59

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	4.6
Clear Floor X Slope	(%)	0.2
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	Yes
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	Yes
Tactile Arrow	(y/n)	Yes
Within 5 ft from crosswalk	(y/n)	Yes

(y/n)

Yes

N/A

• Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device.





ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: R406.2

\$3030.00

54

**Unit Cost** 

Priority

71	SSE	<u>Push</u>	<b>Button</b>	Reach	<u>Range</u>

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

• As-is Measurement: 40.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.7
Clear Floor X Slope	(%)	1.5
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	Yes
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	Yes
Tactile Arrow	(y/n)	Yes
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Survey Street **Cross Street** 

### **SUNRISE AVE**

#### **Existing Access Barrier ID** Orientation

# **TOZER ST**

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$3030.00

54

**Unit Cost** 

Priority

**SW** 174

and Proposed Solution Push Button Reach Range

· As-Built Description: Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

• Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.5"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device.





	Accessible Path Clear Floor Space	(y/n) (y/n)	Yes Yes
	Clear Floor Slope	(%)	1.6
	Clear Floor X Slope	(%)	0.3
	Button Ht.	(in)	39.5
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	2.0
ļ	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	Yes
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	Yes

Measurements

**Tactile Arrow** 

Within 5 ft from crosswalk (y/n) 1.5 - 6.0 ft from curb Yes (y/n) 10 ft minimum separation >10ft

(y/n)

Yes

Total Costs for Pedestrian Signals at: Sunrise Ave and Tozer St

\$13,920.00

**Total Cost for Street:** 

**Sunrise Ave** 

\$21,870.00

**Unit Cost** 

Priority

Survey Street

Orientation

### **Cross Street**

Codes / Mitigation Info

CBC 2019: 11B-703.7.2.7

\$6150.00

52

SUNSET A	AVE	<u>LIBERTY LN</u>
ID Orientation	Existing Access Barrier	Codes / Mitigation Inf

Ε Color Coding 79

· As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

and Proposed Solution

Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





**Unit Cost** 

Priority

CBC 2019: 11B-703.7.2.7

\$6150.00

56

	Measurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.2
	Clear Floor X Slope	(%)	1.9
	Button Ht.	(in)	42.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		N/A

#### **SW** Color Coding 80

· As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

· Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





(y/n)	Yes
(y/n)	Yes
(%)	1.3
(%)	1.0
(in)	42.0
(in)	0.0
(in)	2.0
(lbs)	1.0
(y/n)	Yes
(y/n)	Yes
(y/n)	No
(y/n)	Yes
(y/n)	Yes
	N/A
	(y/n) (%) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

Total Costs for Pedestrian Signals at: Sunset Ave and Liberty Ln

\$12,300.00

\$12,300.00 **Sunset Ave Total Cost for Street:** 

N/A

**Unit Cost** 

Priority

Survey Street Cross Street

#### **VALENCIA AVE**

#### -

ID	Orientation	Existing Access Barrier

# PECAN AVE Codes / Mitigation Info

CBC 2019: 11B-703.7.2.7

\$6150.00

64

#### 157 **NW**

# and Proposed Solution Color Coding

#### · As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

· Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.



**Unit Cost** 

Priority

CBC 2019: 11B-703.7.2.7

\$6150.00

61

	Measurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.4
	Clear Floor X Slope	(%)	0.7
	Button Ht.	(in)	42.5
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	2.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

### 156 **SW** <u>Color Coding</u>

#### · As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

· Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 1.3 Clear Floor X Slope (%) 1.8 Button Ht. (in) 42.0 **Button Reach** (in) 0.0 **Button Diameter** (in) 2.0 **Button Pressure** (lbs) 2.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n)No Vibrotactile Feedback (y/n) No Audible Walk Indicator (y/n) No **Button Locator Tone** No (y/n) Tactile Arrow (y/n) No Within 5 ft from crosswalk Yes (y/n)15 - 60 ft from curb (y/n) Yes

10 ft minimum separation

Total Costs for Pedestrian Signals at: Valencia Ave and Pecan Ave

\$12,300.00

N/A

**Total Cost for Street:** 

Valencia Ave

\$12,300.00

#### **Cross Street**

# W 4TH ST **ID** Orientation

### N GATEWAY DR

#### and Proposed Solution Ε Push Button Reach Range 45

# Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

84

**Unit Cost** 

Priority

#### Measurements

· As-Built Description:

Where a forward/or side reach is unobstructed, the high

forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

40.0" · As-is Measurement:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

· Proposed Solution:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

92

	mode di oni oni o		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.2
	Clear Floor X Slope	(%)	0.1
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

#### Ν Push Button Reach Range

· As-Built Description:

43

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

40.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended.Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.1
Clear Floor X Slope	(%)	1.1
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	No
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft

#### **Cross Street**

#### W 4TH ST

### N GATEWAY DR

# Orientation

#### **Existing Access Barrier** and Proposed Solution

#### **NW** 44

## Clear Floor Space

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.2% · As-is Measurement:

· Proposed Solution:

· Additional Items:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

Codes / Mitigation Info

**Unit Cost** Priority

t	\$7950.00
,	89

#### Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 2.2 Clear Floor X Slope (%) 0.4 Button Ht. (in) 40.0 **Button Reach** (in) 0.0 **Button Diameter** (in) 2.0 **Button Pressure** (lbs) 0.0 **Closed Fist Operation** (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) No Vibrotactile Feedback (y/n) No Audible Walk Indicator (y/n) No **Button Locator Tone** (y/n) No Tactile Arrow (y/n)No Within 5 ft from crosswalk (y/n) Yes

1.5 - 6.0 ft from curb

Measurements

(y/n) No 10 ft minimum separation <10ft

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Relocate the pedestrian signal device to be less than 1.5' - 6' from the curbline. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

84

#### 47

### Push Button Reach Range

S · As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.0"

· Additional Items:





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.6
Clear Floor X Slope	(%)	8.0
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

#### **Cross Street**

#### W 4TH ST

### N GATEWAY DR

ID	Orientation	E
		aı
	<u> </u>	_

#### **Existing Access Barrier** nd Proposed Solution

## Codes / Mitigation Info

CBC 2019: 11B-308.2.1

\$6150.00

85

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

#### Measurements

46 SE Push Button Reach Range

· As-Built Description: Where a forward/or side reach is unobstructed, the high

forward/side reach is more than 48" or less than 42" above the ground.

39.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

84

**Unit Cost** 

Priority

mode di oni oni o		
Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.5
Clear Floor X Slope	(%)	1.0
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	No
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

#### **SW** Push Button Reach Range

· As-Built Description:

48

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.0"

· Additional Items:





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.9
Clear Floor X Slope	(%)	0.3
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

#### **Cross Street**

### W 4TH ST

### N GATEWAY DR

# **ID** Orientation

· As-Built Description:

#### **Existing Access Barrier** and Proposed Solution

Where a forward/or side reach is unobstructed, the high

forward/side reach is more than 48" or less than 42" above the

# Codes / Mitigation Info

#### Measurements

SW 50

ground.

## Push Button Reach Range

ADAAG: 4.2.5 ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

\$7950.00 87

39.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 30"x48" level 2% max. clear space at base of signal device. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	8.0
	Clear Floor X Slope	(%)	2.1
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
7	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		<10ft

### 49

#### Clear Floor Space W

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.3% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1

PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 87

	Clear Floor X Slope	(%)
	Button Ht.	(in)
	Button Reach	(in)
l	Button Diameter	(in)
İ	Button Pressure	(lbs)
Į	Closed Fist Operation	(y/n)
	Visual Contrast	(y/n)

Contrasting Color Bands

Accessible Path

Clear Floor Space

Clear Floor Slope

Vibrotactile Feedback (y/n) No Audible Walk Indicator No (y/n)Button Locator Tone No (y/n)Tactile Arrow (y/n) No

(y/n)

(y/n)

(%)

(y/n)

Yes

Yes

2.3

0.8

39.0

0.0

2.0

0.0

Yes

Yes

No

Within 5 ft from crosswalk (v/n)Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation <10ft

#### · Additional Items:





**Cross Street** 

### W 4TH ST

## N GATEWAY DR

ID Orientation

**Existing Access Barrier** and Proposed Solution

**Codes / Mitigation Info** 

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

87

Measurements

### Total Costs for Pedestrian Signals at: W 4th St and N Gateway Dr

\$54,600.00

59 **E** 

#### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

• As-is Measurement: 40.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

**Priority** 

CBC 2019: 11B-308.2.1

\$6150.00

87

Accessible Path	(y/n)	Yes	
Clear Floor Space	(y/n)	Yes	
Clear Floor Slope	(%)	0.1	
Clear Floor X Slope	(%)	0.3	
Button Ht.	(in)	40.0	
Button Reach	(in)	0.0	
Button Diameter	(in)	2.0	
Button Pressure	(lbs)	0.0	
Closed Fist Operation	(y/n)	Yes	
Visual Contrast	(y/n)	Yes	
Contrasting Color Bands	(y/n)	No	
Vibrotactile Feedback	(y/n)	No	
Audible Walk Indicator	(y/n)	No	
Button Locator Tone	(y/n)	No	
Tactile Arrow	(y/n)	No	
Within 5 ft from crosswalk	(y/n)	Yes	
1.5 - 6.0 ft from curb	(y/n)	Yes	
10 ft minimum separation		N/A	

61 N

### Push Button Reach Range

As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

• As-is Measurement: 40.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

Additional Items:





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.9
Clear Floor X Slope	(%)	8.0
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		N/A

**Survey Street Cross Street** 

Push Button Reach Range

### W 4TH ST

### **NHST**

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$6150.00

78

#### **Existing Access Barrier ID** Orientation and Proposed Solution

# Codes / Mitigation Info

S · As-Built Description:

60

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

40.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 1.5' - 6' from the curbline. Provide a vibrotactile signal device that is integrated with the pedestrian Within 5 ft from crosswalk pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

77

**Unit Cost** 

Priority

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.2
	Clear Floor X Slope	(%)	0.0
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
l	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No

No

No

(v/n)

(y/n) No

(y/n) No

(y/n)

Measurements

Vibrotactile Feedback

Audible Walk Indicator

**Button Locator Tone** 

Tactile Arrow

(y/n) Yes 1.5 - 6.0 ft from curb (y/n) No 10 ft minimum separation >10ft

## Push Button Reach Range

W · As-Built Description:

62

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

40.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.1
Clear Floor X Slope	(%)	0.6
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft

Total Costs for Pedestrian Signals at: W 4th St and N H St

\$24,600.00

City of Madera	Access Compliance Assessment Report - Pedestrian Signals	W 4th St
Survey Street	Cross Street	
W 4TH ST	N H ST	
ID Orientation Existing Access Barrier and Proposed Solution	Codes / Mitigation Info Measurements	
Total Cost for Street:	W 4th St	\$79,200.00

#### **Cross Street**

### W 6TH ST

## S GATEWAY DR

# **ID** Orientation

#### **Existing Access Barrier** and Proposed Solution

# Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

84

**Unit Cost** 

Priority

#### NE 263

# Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

39.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





# Measurements

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.5
Clear Floor X Slope	(%)	0.1
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No

Within 5 ft from crosswalk (y/n) 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

#### **NNE** Clear Floor Space 257

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

- 3.7% · As-is Measurement:
- · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 86

Accessible Path

1.5 - 6.0 ft from curb

10 ft minimum separation

Accessible Fall	(y/11)	res	
Clear Floor Space	(y/n)	Yes	
Clear Floor Slope	(%)	1.1	
Clear Floor X Slope	(%)	3.7	
Button Ht.	(in)	40.0	
Button Reach	(in)	0.0	
Button Diameter	(in)	2.0	
Button Pressure	(lbs)	2.0	
Closed Fist Operation	(y/n)	Yes	
Visual Contrast	(y/n)	Yes	
Contrasting Color Bands	(y/n)	No	
Vibrotactile Feedback	(y/n)	No	
Audible Walk Indicator	(y/n)	No	
Button Locator Tone	(y/n)	No	
Tactile Arrow	(y/n)	No	
Within 5 ft from crosswalk	(y/n)	Yes	

(y/n)

(y/n)

Yes

>10ft

· Additional Items:





# **Cross Street**

#### W 6TH ST

Orientation

### S GATEWAY DR

#### **NNW** 258

#### **Existing Access Barrier** and Proposed Solution

### Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$7950.00

87

**Unit Cost** 

Priority

#### Measurements

#### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

40.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 30"x48" level 2% max. clear space at base of signal device. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	mode di oni oni o		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.2
	Clear Floor X Slope	(%)	2.2
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	2.0
	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	No
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

#### NW 259

#### Clear Floor Space

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

- 2.2% · As-is Measurement:
- · Proposed Solution:

· Additional Items:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 86

Button Reach Button Diameter
Button Pressure

Visual Contrast

Button Ht

Accessible Path

Clear Floor Space

Clear Floor Slope

Clear Floor X Slope

Closed Fist Operation

1.5 - 6.0 ft from curb

10 ft minimum separation

Contrasting Color Bands (y/n) No Vibrotactile Feedback (y/n) No Audible Walk Indicator No (y/n)Button Locator Tone No (y/n)Tactile Arrow (y/n) No Within 5 ft from crosswalk (v/n)Yes

(y/n)

(y/n)

(%)

(%)

(in)

(in)

(in)

(lbs)

(y/n)

(y/n)

(y/n)

Yes

Yes

0.9

2.2

40.0

0.0

2.0

5.0

Yes

Yes

Yes

>10ft





#### **Cross Street**

### W 6TH ST

### S GATEWAY DR

ID	Orientation	and Proposed Solution
264	SE	Clear Floor Space

Codes / Mitigation Info

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

**Existing Access Barrier** 

3.2% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

Unit C Prio

Cost	\$7950.00
rity	86

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	3.2
Clear Floor X Slope	(%)	0.2
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

>10ft

>10ft

10 ft minimum separation

Measurements

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





262	SSE	Clear Floor Space
		-

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

3.0% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 86

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	3.0
Clear Floor X Slope	(%)	0.5
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

· Additional Items:





**Cross Street** 

**Unit Cost** 

Priority

**Survey Street** 

**Existing Access Barrier** 

### W 6TH ST

Codes / Mitigation Info

#### Orientation and Proposed Solution SSW Color Coding 261

# **S GATEWAY DR**

CBC 2019: 11B-703.7.2.7

\$6150.00

77

## · As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

74

**Unit Cost** 

Priority

	weasurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.9
	Clear Floor X Slope	(%)	0.3
	Button Ht.	(in)	48.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	2.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		>10ft

Moseuromonte

#### SW Push Button Reach Range 260

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

- · As-is Measurement:
- · Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

40.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.9
Clear Floor X Slope	(%)	0.3
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum senaration		>10ft

Total Costs for Pedestrian Signals at: W 6th St and S Gateway Dr

\$58,200.00

City of Madera	Access Compliance Assessment Report - Pedestrian Signals	W 6th St
Survey Street	Cross Street	
W 6TH ST	S GATEWAY DR	
ID Orientation Existing Access Barrier and Proposed Solution	Codes / Mitigation Info Measurements	
Total Cost for Street:	W 6th St	\$58,200,00

#### **Cross Street**

### W CLARK ST

#### COUNTRY CLUB DR

\$6150.00

66

#### and Proposed Solution **ENE** 196

## Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

#### Measurements

· As-Built Description:

Orientation

Push Button Reach Range

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the

**Existing Access Barrier** 

ground. 38.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





(y/n)	Yes
(y/n)	Yes
(%)	1.4
(%)	0.7
(in)	38.0
(in)	0.0
(in)	2.0
(lbs)	0.0
(y/n)	Yes
(y/n)	Yes
(y/n)	No
(y/n)	Yes
(y/n)	Yes
	>10ft
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

#### **ESE** Clear Floor Space 197

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

2.3% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 68

Accessible Falli	(y/11)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.6
Clear Floor X Slope	(%)	2.3
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes

(y/n)

Yes

>10ft

(y/n)

Accessible Path

1.5 - 6.0 ft from curb

10 ft minimum separation

· Additional Items:





#### **Cross Street**

### **W CLARK**

Orientation

### COUNTRY CLUB DR

		and Proposed Solution
195	NNE	Clear Floor Space

# Codes / Mitigation Info

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

Existing Access Barrier

- 3.2% As-is Measurement:
- · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction. ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

ADAAG: 4.3.7

**Unit Cost** Priority

\$7950.00
70

Accessible Path Clear Floor Space	(y/n) (y/n)	Yes Yes
Clear Floor Slope	(%)	1.4
Clear Floor X Slope	(%)	3.2
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes

(y/n)

>10ft

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 1.5' - 6' from the curbline. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

62

102	N	N	۱۸	1
193	IV	IN	V١	

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

- 40.0" · As-is Measurement:
- · Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.2
Clear Floor X Slope	(%)	8.0
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

>10ft

**Survey Street** 

### W CLARK

Orientation

#### **Cross Street**

ADAAG: 4.3.7

PROWAG: **R404.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-305.1

\$7950.00

68

ADA 2010: 305.1

#### **COUNTRY CLUB DR Existing Access Barrier** Codes / Mitigation Info

**SSE** 198

and Proposed Solution Clear Floor Space

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

3.0% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





#### Measurements

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	3.0
	Clear Floor X Slope	(%)	0.5
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
7	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
)	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

**SSW** Clear Floor Space

· As-Built Description:

192

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 3.1%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 64

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	3.1
Clear Floor X Slope	(%)	0.3
Button Ht.	(in)	38.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes

(y/n)

>10ft

1.5 - 6.0 ft from curb

10 ft minimum separation

· Additional Items:





#### **Cross Street**

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

### **W CLARK ST**

### COUNTRY CLUB DR

\$6150.00

62

# ID Orientation

# Existing Access Barrier and Proposed Solution

### OCCIVITATION D

#### 194 **WNW**

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

38.0"

• Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

62

	Accessible Path Clear Floor Space Clear Floor Slope Clear Floor X Slope	(y/n) (y/n) (%) (%)	Yes Yes 1.3 1.6
	Button Ht.	(in)	38.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	0.0
Į	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes

Yes

>10ft

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

### 191 WSW Push Button Reach Range

• As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

38.2"

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.4
Clear Floor X Slope	(%)	0.6
Button Ht.	(in)	38.2
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Total Costs for Pedestrian Signals at: W Clark St and Country Club Dr

\$56,400.00

City of Madera	Access Compliance Assessment Report - Pedestrian Signals	W Clark St
Survey Street	Cross Street	

-	Survey Street			Cross Street		_
	W CLARK ST			COUNTRY CLUB DR		
I	D Orientation	Existing Access Barrier and Proposed Solution		Codes / Mitigation Info	Measurements	
	Total Cos	t for Street:	W Clark St			\$56,400.00

#### **Cross Street**

### W CLEVELAND AVE

# ND AVE N GATEWAY DR

### 209 NE

# Existing Access Barrier and Proposed Solution

## Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: R406.2

\$4050.00

63

**Unit Cost** 

Priority

#### Measurements

209 NE

**ID** Orientation

## Push Button Reach Range

As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

40.0"

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$4050.00

73

mode aromonic		
Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.3
Clear Floor X Slope	(%)	1.5
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	Yes
Audible Walk Indicator	(y/n)	Speech Message
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	Yes
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

## 210 NNW Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

40.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.0
Clear Floor X Slope	(%)	0.5
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.1
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	Yes
Audible Walk Indicator	(y/n)	Speech Message
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	Yes
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

#### **Cross Street**

### W CLEVELAND AVE

### N GATEWAY DR

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

# **ID** Orientation

#### **Existing Access Barrier** and Proposed Solution

\$4050.00

81

#### SE 214

## Push Button Reach Range

# • As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

41.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$4050.00

76

	Accessible Path Clear Floor Space	(y/n) (y/n)	Yes Yes
	Clear Floor Slope	(%)	1.7
	Clear Floor X Slope	(%)	0.7
	Button Ht.	(in)	41.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
ł	Button Pressure	(lbs)	1.0
l	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	Yes
	Audible Walk Indicator	(y/n)	Speech Message
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	Yes

(y/n)

(y/n)

Yes

Yes

>10ft

Measurements

Within 5 ft from crosswalk

10 ft minimum separation

1.5 - 6.0 ft from curb

#### SSW Push Button Reach Range 212

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

41.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.9
Clear Floor X Slope	(%)	0.7
Button Ht.	(in)	41.0
Button Reach	(in)	16.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	Yes
Audible Walk Indicator	(y/n)	Speech Message
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	Yes
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

#### **Cross Street**

### W CLEVELAND AVE

# Orientation

#### **Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

# N GATEWAY DR

\$4050.00

73

#### **WNW** 211

#### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

40.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$4050.00

86

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.7
	Clear Floor X Slope	(%)	0.5
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	1.0
l	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	Yes

(y/n)

(y/n)

Speech Message

Measurements

Tactile Arrow (y/n)Yes Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation >10ft

Audible Walk Indicator

**Button Locator Tone** 

#### **WSW** Push Button Reach Range 213

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

40.0"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.8
Clear Floor X Slope	(%)	0.4
Button Ht.	(in)	40.0
Button Reach	(in)	16.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	1.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	Yes
Audible Walk Indicator	(y/n)	Speech Message
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	Yes
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Total Costs for Pedestrian Signals at: W Cleveland Ave and N Gateway Dr

\$24,300.00

#### **Cross Street**

### W CLEVELAND AVE

# N SCHNOOR AVE

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

# **ID** Orientation

#### **Existing Access Barrier** and Proposed Solution

# Codes / Mitigation Info

\$7950.00

73

#### **ENE** Push Button Reach Range 101

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

39.5" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 30"x48" level 2% max. clear space at base of signal device. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

79

#### Measurements

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	2.2
	Clear Floor X Slope	(%)	0.1
	Button Ht.	(in)	39.5
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	2.0
ı	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No
	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		<10ft

#### Push Button Reach Range **ESE** 102

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

36.5"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.9
	Clear Floor X Slope	(%)	0.6
	Button Ht.	(in)	36.5
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
ł	Button Pressure	(lbs)	2.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
;	Tactile Arrow	(y/n)	No
l	Within 5 ft from crosswalk	(y/n)	Yes
	1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

<10ft

<10ft

**Survey Street** 

#### **Cross Street**

### W CLEVELAND AVE

### N SCHNOOR AVE

### Orientation

### **Existing Access Barrier** and Proposed Solution

## Codes / Mitigation Info

#### Measurements

10 ft minimum separation

NNE 100

As-is Measurement:

· Proposed Solution:

Clear Floor Space

2.9%

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

· As-Built Description: The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

ADAAG: 4.3.7

**Unit Cost** \$7950.00 Priority 73

(y/n)	Yes	
(y/n)	Yes	
(%)	8.0	
(%)	2.9	
(in)	39.5	•
(in)	0.0	
(in)	2.0	
(lbs)	2.0	
(y/n)	Yes	
(y/n)	Yes	
(y/n)	No	•
(y/n)	No	
(y/n)	Yes	
(y/n)	Yes	
	(%) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)	(y/n) Yes (%) 0.8 (%) 2.9 (in) 39.5 (in) 0.0 (in) 2.0 (lbs) 2.0 (y/n) Yes (y/n) No (y/n) Yes

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

71

98	NNW	Push Button Reach Range
70		I don Datton Rodon Rango

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

39.5"

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.2
Clear Floor X Slope	(%)	0.1
Button Ht.	(in)	39.5
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft

#### **Cross Street**

#### W CLEVELAND AVE

### N SCHNOOR AVE

# **ID** Orientation

#### **Existing Access Barrier** and Proposed Solution

#### Clear Floor Space **SSE** 103

Codes / Mitigation Info ADAAG: 4.3.7

# Measurements

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

ADA 2010: 305.1 CBC 2019: 11B-305.1

PROWAG: **R404.2** 

**Unit Cost** \$7950.00 Priority 82

 As-is Measurement: · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

2.7%

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.7
Clear Floor X Slope	(%)	2.7
Button Ht.	(in)	39.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft

#### SSW 104

### Clear Floor Space

· As-Built Description:

The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

- 2.6% · As-is Measurement:
- · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction. ADA 2010: 302.1 CBC 2019: 11B-302.1 PROWAG: **R404.2** 

ADAAG: 4.3.7

**Unit Cost** Priority

\$7950.00 82

#### · Additional Items:





(y/n)	Yes
(y/n)	Yes
(%)	2.3
(%)	2.6
(in)	40.5
(in)	0.0
(in)	2.0
(lbs)	2.0
(y/n)	Yes
(y/n)	Yes
(y/n)	No
(y/n)	Yes
(y/n) (y/n)	Yes Yes
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

#### **Cross Street**

#### W CLEVELAND AVE

### N SCHNOOR AVE

\$6150.00

71

# Orientation

#### **Existing Access Barrier** and Proposed Solution

### Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

#### Measurements

#### **WNW** 99

# Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

40.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.5
Clear Floor X Slope	(%)	0.3
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft

#### **WSW** Clear Floor Space 105

· As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

· As-is Measurement: 2.5%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 82

Clear Floor Slope	(%)	2.5
Clear Floor X Slope	(%)	2.4
Button Ht.	(in)	40.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No

(y/n)

(y/n)

Yes

Yes

Accessible Path

Clear Floor Space

Audible Walk Indicator (y/n) No (y/n) No Tactile Arrow No (y/n)Within 5 ft from crosswalk (y/n) Yes

1.5 - 6.0 ft from curb 10 ft minimum separation <10ft

#### · Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to Button Locator Tone the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





>10ft

**Survey Street** 

#### **Cross Street**

### W CLEVELAND AVE

### N SCHNOOR AVE

**ID** Orientation

**Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

Measurements

#### Total Costs for Pedestrian Signals at: W Cleveland Ave and N Schnoor Ave \$58,200.00

N 208

Clear Floor Space · As-Built Description:

The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

6.9% · As-is Measurement:

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: 4.3.7 ADA 2010: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2** 

**Unit Cost** Priority

\$7950.00 101

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	6.9
Clear Floor X Slope	(%)	1.9
Button Ht.	(in)	52.0
Button Reach	(in)	16.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

10 ft minimum separation

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Remove the obstruction or reposition the pedestrian signal device to not exceed the 10" maximum side reach depth and 48" high in reach height. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





**Unit Cost** 

Priority

CBC 2019: 11B-703.7.2.7

\$6150.00

97

207 <b>S</b> Co	lor Coding
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· As-Built Description:

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch wide dark border band above and below this yellow band.

Proposed Solution:

Provide 2 inch wide color coding with 1 inch wide dark borders located directly above control button.

· Additional Items:

Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.7
Clear Floor X Slope	(%)	1.3
Button Ht.	(in)	48.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

City of Madera	Access Compliance Assessment Report - Pedestrian Signals	W Cleveland Ave
Survey Street	Cross Street	
W CLEVELAND AVE	SHARON BVD	
ID Orientation Existing Access Barrier and Proposed Solution	Codes / Mitigation Info Measurements	
Total Costs for Pedestrian S	Signals at: W Cleveland Ave and Sharon Bvd	\$14,100.00
Total Cost for Street:	W Cleveland Ave	\$96,600.00

**ID** Orientation

Yes

Codes / Mitigation Info

PROWAG: R406.2

**Unit Cost** 

Priority

Survey Street **Cross Street** W YOSEMITE AVE N Q ST

#### and Proposed Solution **ENE** Push Button Reach Range 24

#### · As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

· As-is Measurement:

50.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 5' from the crosswalk line extended.Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Relocate the pedestrian signal device to be less than 1.5' - 6' from the curbline.Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.

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75	The second second



ADAAO: 40 F	Accessible Path
ADAAG: <b>4.2.5</b>	Clear Floor Space
ADA 2010: <b>308.2.1</b>	Clear Floor Slope
CBC 2019: <b>11B-308.2.1</b>	Clear Floor X Slo

\$6150.00

111

Measurements

Button Ht.

Vibrotactile Feedback

Audible Walk Indicator

**Button Locator Tone** 

ar Floor Space Yes (y/n) ar Floor Slope (%) 0.7 Clear Floor X Slope (%) 0.8 (in) 50.0

(y/n)

(y/n)

(y/n)

(y/n)

No

No

No

**Button Reach** (in) 0.0 **Button Diameter** (in) 0.5 **Button Pressure** (lbs) 5.0 **Closed Fist Operation** (y/n) No Visual Contrast Yes (y/n) Contrasting Color Bands No (y/n)

Tactile Arrow (y/n) No Within 5 ft from crosswalk (y/n) No 1.5 - 6.0 ft from curb No (y/n) 10 ft minimum separation <10ft Survey Street Cross Street

### W YOSEMITE AVE

# N Q ST

# ID Orientation

# Existing Access Barrier and Proposed Solution

# Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: **R406.2** 

\$6150.00

106

**Unit Cost** 

Priority

#### Measurements

## 23 **ESE**

# Push Button Reach Range

• As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

50.0"

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





ADAAG: 4.2.5

ADA 2010: **308.2.1** CBC 2019: **11B-308.2.1** 

PROWAG: R406.2

\$6150.00

101

**Unit Cost** 

Priority

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.3
Clear Floor X Slope	(%)	0.4
Button Ht.	(in)	50.0
Button Reach	(in)	0.0
Button Diameter	(in)	0.5
Button Pressure	(lbs)	5.0
Closed Fist Operation	(y/n)	No
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

# NNE Push Button Reach Range

· As-Built Description:

25

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

50.0"

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	8.0
Clear Floor X Slope	(%)	0.7
Button Ht.	(in)	50.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	No
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft

Survey Street **Cross Street** 

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2** 

\$6150.00

94

**Unit Cost** 

Priority

## W YOSEMITE AVE

#### N Q ST **Existing Access Barrier** Codes / Mitigation Info

#### **NW** 26

## Push Button Reach Range

· As-Built Description:

Orientation

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

and Proposed Solution

· As-is Measurement:

50.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

106

**Unit Cost** 

Priority

	Accessible Path Clear Floor Space Clear Floor Slope	(y/n) (y/n) (%)	Yes Yes 2.0
	Clear Floor X Slope	(%)	0.0
	Button Ht.	(in)	50.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
1	Button Pressure	(lbs)	0.0
J	Closed Fist Operation	(y/n)	Yes
	Visual Contrast	(y/n)	Yes
	Contrasting Color Bands	(y/n)	No
	Vibrotactile Feedback	(y/n)	No
	Audible Walk Indicator	(y/n)	No
	Button Locator Tone	(y/n)	No
	Tactile Arrow	(y/n)	No

(y/n)

(y/n)

Yes

N/A

Within 5 ft from crosswalk

10 ft minimum separation

1.5 - 6.0 ft from curb

Measurements

#### SSE Push Button Reach Range 22

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

50.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





A ibl - D-#b	()	.,
Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.1
Clear Floor X Slope	(%)	0.2
Button Ht.	(in)	50.0
Button Reach	(in)	0.0
Button Diameter	(in)	0.5
Button Pressure	(lbs)	5.0
Closed Fist Operation	(y/n)	No
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		>10ft

Survey Street **Cross Street** W YOSEMITE AVE N Q ST **Existing Access Barrier ID** Orientation Codes / Mitigation Info Measurements and Proposed Solution **SW** Accessible Path Push Button Reach Range 21 (y/n) Yes ADAAG: 4.2.5 Clear Floor Space Yes (y/n) · As-Built Description: ADA 2010: 308.2.1 Clear Floor Slope (%) 0.0 Where a forward/or side reach is unobstructed, the high CBC 2019: 11B-308.2.1 Clear Floor X Slope (%) 0.5 forward/side reach is more than 48" or less than 42" above the PROWAG: R406.2 Button Ht. (in) 50.0 ground. **Button Reach** (in) 0.0 **Button Diameter** 50.0" **Unit Cost** (in) 0.5 · As-is Measurement: \$6150.00 **Button Pressure** (lbs) 5.0 · Proposed Solution: Priority 107 **Closed Fist Operation** (y/n) No Reposition the pedestrian signal device to be less than 48" and more Visual Contrast (y/n) Yes than 42" from the ground. Contrasting Color Bands No (y/n) · Additional Items: Vibrotactile Feedback (y/n) No Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an Audible Walk Indicator (y/n) No tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible **Button Locator Tone** (y/n) No indication of the WALK interval at the pedestrian signal device. Provide a vibrotactile signal device that is Tactile Arrow (y/n)No integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Within 5 ft from crosswalk (y/n) Yes Provide new push button and housing to allow for closed fist operation. 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation N/A

Total Costs for Pedestrian Signals at: W Yosemite Ave and N Q St

\$36,900.00

Survey Street **Cross Street** 

### W YOSEMITE AVE

### SIST

#### and Proposed Solution Ε Push Button Reach Range 29

# Codes / Mitigation Info

#### Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

· As-Built Description:

ID Orientation

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

**Existing Access Barrier** 

50.0" · As-is Measurement:

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with Within 5 ft from crosswalk the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.

ADAAG: 4.2.5 ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1 PROWAG: **R406.2** 

**Unit Cost** \$6150.00 Priority 105

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.9
Clear Floor X Slope	(%)	0.2
Button Ht.	(in)	50.0
Button Reach	(in)	0.0
Button Diameter	(in)	0.5
Button Pressure	(lbs)	5.0
Closed Fist Operation	(y/n)	No
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No

(y/n)

<10ft





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

92

#### N 32

### Push Button Reach Range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

50.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.3
Clear Floor X Slope	(%)	1.1
Button Ht.	(in)	50.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft

Within 5 ft from crosswalk

10 ft minimum separation

1.5 - 6.0 ft from curb

(y/n)

(y/n)

Yes

Yes

<10ft

Survey Street **Cross Street** W YOSEMITE AVE SIST **Existing Access Barrier ID** Orientation Codes / Mitigation Info Measurements and Proposed Solution NE Clear Floor Space Accessible Path (y/n) 31 Yes ADAAG: 4.3.7 Clear Floor Space Yes (y/n) · As-Built Description: ADA 2010: 302.1 Clear Floor Slope (%) 0.3 The cross slope of the floor or ground surface at the pedestrian CBC 2019: 11B-302.1 Clear Floor X Slope (%) 2.2 PROWAG: **R404.2** signal device exceed 1:48 (2%). Button Ht. (in) 50.0 2.2% **Button Reach** (in) 0.0 · As-is Measurement: **Button Diameter Unit Cost** (in) 0.5 · Proposed Solution: \$7950.00 **Button Pressure** (lbs) 5.0 Priority 119 Modify or repave the ground surface as necessary to provide slope **Closed Fist Operation** (y/n) No (s) not exceeding the required 1:48 (2%) maximum in any direction. Visual Contrast Yes (y/n) Contrasting Color Bands No (y/n) · Additional Items: Vibrotactile Feedback (y/n) No Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding Audible Walk Indicator (y/n) No with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to **Button Locator Tone** (y/n) No Tactile Arrow (y/n)No

the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





<10ft

Survey Street Cross Street

### W YOSEMITE AVE

### SIST

## ID Orientation Existing Access

# Existing Access Barrier and Proposed Solution

# Codes / Mitigation Info

#### Measurements

10 ft minimum separation

*33* **NW** 

Clear Floor Space

• As-Built Description:

The cross slope of the floor or ground surface at the pedestrian

signal device exceed 1:48 (2%).

• As-is Measurement: 3.2%

· Proposed Solution:

Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.

ADAAG: **4.3.7**ADA 2010: **302.1**CBC 2019: **11B-302.1**PROWAG: **R404.2** 

Unit Cost Priority

\$7950.00	
94	

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.8
Clear Floor X Slope	(%)	3.2
Button Ht.	(in)	50.0
Button Reach	(in)	0.0
Button Diameter	(in)	2.0
Button Pressure	(lbs)	0.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

· Additional Items:

Remount push button to 42" min. and 48" max. height to center of button. Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide a button locator tone.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

105

27 <b>S</b>	Push Button Reach Range
21	i dan batton reach range

· As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

As-is Measurement:

rement: 50.0"

Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.4
Clear Floor X Slope	(%)	1.1
Button Ht.	(in)	50.0
Button Reach	(in)	0.0
Button Diameter	(in)	0.5
Button Pressure	(lbs)	5.0
Closed Fist Operation	(y/n)	No
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft

**Survey Street Cross Street** 

### W YOSEMITE AVE

### SIST

# ID Orientation

#### **Existing Access Barrier** and Proposed Solution

#### Codes / Mitigation Info Measurements

SE Push Button Reach Range 30 · As-Built Description:

· As-is Measurement:

· Proposed Solution:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

50.0"

Reposition the pedestrian signal device to be less than 48" and more

CBC 2019: 11B-308.2.1 PROWAG: **R406.2** 

ADAAG: 4.2.5

ADA 2010: 308.2.1

**Unit Cost** Priority

\$6150.00 105

Accessible Path (y/n) Yes Clear Floor Space (y/n)Yes Clear Floor Slope (%)0.4 Clear Floor X Slope 1.6 (%) Button Ht. (in) 50.0 **Button Reach** (in) 0.0 **Button Diameter** (in) 0.5 **Button Pressure** (lbs) 5.0 **Closed Fist Operation** (y/n) No Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) No Vibrotactile Feedback No (v/n)Audible Walk Indicator (y/n) No **Button Locator Tone** (y/n) No Tactile Arrow (y/n)No (y/n) Yes

1.5 - 6.0 ft from curb (y/n) 10 ft minimum separation <10ft

than 42" from the ground. · Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with Within 5 ft from crosswalk the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2** 

**Unit Cost** 

Priority

CBC 2019: 11B-308.2.1

\$6150.00

105

#### SW 28

### Push Button Reach Range

As-Built Description:

Where a forward/or side reach is unobstructed, the high forward/side reach is more than 48" or less than 42" above the ground.

· As-is Measurement:

50.0"

· Proposed Solution:

Reposition the pedestrian signal device to be less than 48" and more than 42" from the ground.

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be less than 10' from other pedestrian signal devices. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





(y/n)	Yes
(y/n)	Yes
(%)	1.4
(%)	1.2
(in)	50.0
(in)	0.0
(in)	0.5
(lbs)	5.0
(y/n)	No
(y/n)	Yes
(y/n)	No
(y/n)	Yes
(y/n)	Yes
	<10ft
	(y/n) (%) (in) (in) (ibs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

Survey Street **Cross Street** W YOSEMITE AVE SIST **Existing Access Barrier** Orientation Codes / Mitigation Info Measurements and Proposed Solution W Accessible Path Push Button Reach Range 34 (y/n) Yes ADAAG: 4.2.5 Clear Floor Space Yes (y/n) · As-Built Description: ADA 2010: 308.2.1 Clear Floor Slope (%) 0.9 Where a forward/or side reach is unobstructed, the high CBC 2019: 11B-308.2.1 Clear Floor X Slope (%) 0.9 forward/side reach is more than 48" or less than 42" above the PROWAG: R406.2 Button Ht. (in) 50.0 ground. **Button Reach** (in) 0.0 **Button Diameter** 50.0" **Unit Cost** (in) 0.5 · As-is Measurement: \$6150.00 **Button Pressure** (lbs) 5.0 · Proposed Solution: Priority 108 **Closed Fist Operation** (y/n) No Reposition the pedestrian signal device to be less than 48" and more Visual Contrast (y/n) Yes than 42" from the ground. Contrasting Color Bands No (y/n) · Additional Items: Vibrotactile Feedback (y/n) No Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide an Audible Walk Indicator (y/n) No tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible **Button Locator Tone** (y/n) No indication of the WALK interval at the pedestrian signal device. Relocate the pedestrian signal device to be Tactile Arrow (y/n)No less than 10' from other pedestrian signal devices. Relocate the pedestrian signal device to be less than 1.5' -Within 5 ft from crosswalk (y/n) Yes 6' from the curbline. Provide a vibrotactile signal device that is integrated with the pedestrian pushbutton. 1.5 - 6.0 ft from curb (y/n) No Provide 2" diameter push button. Provide a button locator tone. Provide new push button and housing to <10ft 10 ft minimum separation





Total Costs for Pedestrian Signals at: W Yosemite Ave and SISt

\$52,800.00

**W** Yosemite Ave \$89,700.00 **Total Cost for Street:** 

Total Cost for City Pedestrian Signals:

\$1,484,850.00