

City of Madera

Appendix E: Pedestrian Signals Access Compliance Survey Report

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NAVIGATION & LEGEND

Survey Street (3



ADAAG: 4.3.7

PROWAG: **R404.2**

Unit Cost

Priority

ADA 2010: 305.1 CBC 2019: 11B-305.1

Existing Access Barrier Orientation and Proposed Solution Codes / Mitigation Info

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.

· 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
7	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

(11

\$7950.00

82

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.

As-Built Description: 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.

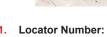
- CBC 2019 California Building Code

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



Survey Street: 3.

As-is Measurement:

Proposed Solution: 6. **Cross Street:** 7.

Codes / Info:

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

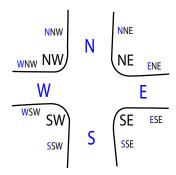


Figure 1. Orientation map corresponding to the specific corner/curb ramp in any given intersection.



PEDESTRIAN SIGNAL LIST

Intersection:	Orienta	ation: Specific Itel
4th St and	ND St	·
Ten Ot and	35 N	Push Button Reach Ra
	36 N	
	41 N	
	39	Push Button Reach Ra
	37 S	Push Button Reach Ra
	38 SI	V Push Button Reach Ra
	42 V	Push Button Reach Ra
Almond Ave		
Intersection:	Orienta	ation: Specific Itel
Almond Ave	and Gateway Dr	
	153 EN	
	151 ES	
	154 NN	·
	155 N	
	150 SS	
	152 SI	V Push Button Reach Ra
Clinton St		
Intersection:	Orienta	ation: Specific Ite
Clinton St a	d Tozer St	
	166 EN	E Clear Floor S
	167 ES	E Clear Floor S
	165 NN	E Push Button Reach Ra
	164 NN	W Push Button Reach Ra
	168 SS	E Clear Floor S
	169 SS	W Push Button Reach Ra
	163 WN	W Push Button Reach Ra
	170 WS	Clear Floor S
Country Clu	b Dr	
Intersection:	Orienta	ation: Specific Iter
Country Club	Dr and W Sherwood Way	
	204 EN	
	205 ES	·
	203 NN	·
	202 NN	
	206	
	199 SS	
	201 WN	
	200 WS	W Color Co
E Cleveland	Ave	
Intersection:	Orienta	ation: Specific Itel

	74	ENE	Push Button Reach Range
	75	ESE	Clear Floor Space
	73	NNE	Push Button Reach Range
	72	NNW	Clear Floor Space
	76	SSE SSW	Clear Floor Space Push Button Reach Range
	77	WNW	Clear Floor Space
	71	WSW	Clear Floor Space
			Olean Floor Opace
E Cleveland	Ave and		
	240	ENE	Push Button Reach Range
	238	ESE	Clear Floor Space
	239	NNE	Clear Floor Space
	241	NNW	Clear Floor Space
	237	SSE	Push Button Reach Range
	236	SSW	Clear Floor Space
	242	WNW	Clear Floor Space
	235	WSW	Clear Floor Space
E Cleveland	Ave and	Owens St	
	70	ENE	Push Button Reach Range
	63	ESE	Clear Floor Space
	69	NNE	Push Button Reach Range
	68	NNW	Push Button Reach Range
	64	SSE	Push Button Reach Range
	65	SSW	Push Button Reach Range
	67	WNW	Push Button Reach Range
	66	WSW	Push Button Reach Range
E Cleveland	Ave and	Tulare St	
	246	ENE	Clear Floor Space
	244	ESE	Clear Floor Space
	245	NNE	Clear Floor Space
	248	NNW	Clear Floor Space
	243	SSE	Color Coding
	249	SSW	Push Button Reach Range
	247	WNW	Push Button Reach Range
	250	wsw	Push Button Reach Range
Golden Sta	ite Dr		
Intersection:		Orientation:	Specific Item:
	o Dr. and	Almond Ave	Openio Reffi.
Goiden Stat	271	NW NW	Push Button Reach Range
	270	SE	Clear Floor Space
	269	SW	Push Button Reach Range
Hausend De		344	r usii button Neach Kange
Howard Ro			
Intersection:		Orientation:	Specific Item:
Howard Rd	and Fair		
	116	ENE	Push Button Reach Range
		ESE	Push Button Reach Range

	115	NNE	Clear Floor Spa
	114	NW	Clear Floor Spa
	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	Th 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	Ave	nd Foxglove Way	
	-	ENE	Clear Floor Spa
	95		Cical Floor Opt

94	NNE	Push Button Reach Ra
93	NNW	Clear Floor Sp
97	SSE	Push Button Reach Ra
91	ssw	Push Button Reach Ra
92	WNW	Push Button Reach Ra
90	wsw	Push Button Reach Ra
N Schnoor Ave and Kennedy St		
216	ENE	Clear Floor Sp
217	ESE	Clear Floor Sp
215	NNE	Clear Floor Sp
221	NNW	Push Button Reach Ra
218	SSE	Push Button Reach Ra
219	SSW	Push Button Reach Ra
222	WNW	Push Button Reach Ra
220	WSW	Push Button Reach Ra
Olive Ave		
Intersection:	Orientation:	Specific Iten
Olive Ave and		
4	NE	Color Cod
3	NW	Clear Floor Sp
Olive Ave and Martin St		
12	N	Color Cod
11	SE	Clear Floor Sp
Olive Ave and S K St		
13	NW	Clear Floor Sp
14	sw	Color Cod
Olive Ave and S L St		
20	NE	Push Button Reach Ra
19	SE	Clear Floor Sp
18	SSW	Color Cod
17	WSW	Clear Floor Sp
Olive Ave and Santa Cruz St		
15	NW	Color Cod
16	sw	Clear Floor Sp
Olive Ave and Wallace Ave		
162	NE	Color Coc
S Gateway Dr		
Intersection:	Orientation:	Specific Iten
S Gateway Dr and E 9Th St		
268	E	Clear Floor Sp
266	NNE	Clear Floor Sp
265	NNW	Push Button Reach Ra
	W	Push Button Reach Ra
267	vv	i dan Batton Reach Ra
S Gateway Dr and Olive Ave	W	r ush Button Reach Ru

	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 I	Dr aı	d Stadium Rd	
	2	NE	Push Button Reach Ran
	1	NW	Push Button Reach Ran
Stadium Rd	<u> </u>		
Intersection:		Orientation:	Specific Item
Stadium Rd	and	Olive Ave	
	292	ESE	Push Button Reach Ran
	291	NE	Clear Floor Spa
	290	NW	Clear Floor Spa
	293	SSE	Push Button Reach Ran
	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 Ran
	132	NNE	Push Button Reach Ran
	131	NNW	Push Button Reach Rar Clear Floor Spa
	127	SSE SSW	Clear Floor Spa
	130	WNW	Push Button Reach Ran
	129	WSW	Clear Floor Spa
Sunrise Ave	9		
Intersection:		Orientation:	Specific Item
Sunrise Ave	and	Lilly St	·
	175	NE	Clear Floor Spa
Sunrise Ave	and	Tozer St	
	172	ESE	Push Button Reach Ran
	173	NE	Clear Floor Spa
	171	SSE	Push Button Reach Rar
	174	sw	Push Button Reach Ran
Sunset Ave			
Intersection:		Orientation:	Specific Item
Sunset Ave	and	Liberty Ln	
	79	E	Color Codi
	80	SW	Color Codi
Valencia Av	'e		

157	NW	Color Codir
156	SW	Color Codir
W 4th St		
Intersection:	Orientation:	Specific Item:
W 4th St and N 0	Sateway Dr	
45	E	Push Button Reach Rang
43	N	Push Button Reach Rang
44	NW	Clear Floor Spa
47	S	Push Button Reach Ran
46	SE	Push Button Reach Ran
48	sw	Push Button Reach Ran
49	W	Clear Floor Spa
W 4th St and N H	l St	
59	E	Push Button Reach Ran
61	N	Push Button Reach Ran
60	S	Push Button Reach Rang
62	W	Push Button Reach Ran
W 6th St		
Intersection:	Orientation:	Specific Item:
W 6th St and S C	Sateway Dr	
263	NE	Push Button Reach Rang
257	NNE	Clear Floor Spa
258	NNW	Push Button Reach Ran
259	NW	Clear Floor Spa
264	SE	Clear Floor Spa
262	SSE	Clear Floor Spa
261	SSW	Color Codi
260	SW	Push Button Reach Ran
W Clark St		
Intersection:	Orientation:	Specific Item:
W Clark St and C	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	SSE	Clear Floor Spa
192	SSW	Clear Floor Spa
194	WNW	Push Button Reach Ran
191	wsw	Push Button Reach Ran
W Cleveland Ave	Y	
Intersection:	Orientation:	Specific Item:
W Cleveland Ave	and N Gateway Dr	•
209	NE	Push Button Reach Ran
	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		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 Spac
	104	SSW	Clear Floor Spac
	99	WNW	Push Button Reach Rang
	105	wsw	Clear Floor Spac
W Cleveland	Ave and	Sharon Bvd	
	208	N	Clear Floor Space
	207	S	Color Codin
W Yosemite	Ave		
Intersection:		Orientation:	Specific Item:
W Yosemite	Δve and	N Q St	
VV 105emme	AVC and		
vv 105emile	24	ENE	Push Button Reach Rang
vv rosennte			
vv rosemile	24	ENE	Push Button Reach Rang
vv Toseninte	24	ENE ESE	Push Button Reach Rang Push Button Reach Rang
vv Toseniite	24 23 25	ENE ESE NNE	Push Button Reach Rang Push Button Reach Rang Push Button Reach Rang
vv Toseniite	24 23 25 26	ENE ESE NNE NW	Push Button Reach Rang Push Button Reach Rang Push Button Reach Rang Push Button Reach Rang
	24 23 25 26 22 21	ENE ESE NNE NW SSE SW	Push Button Reach Rang Push Button Reach Rang Push Button Reach Rang Push Button Reach Rang
	24 23 25 26 22 21	ENE ESE NNE NW SSE SW	Push Button Reach Rang Push Button Reach Rang Push Button Reach Rang Push Button Reach Rang Push Button Reach Rang
W Yosemite	24 23 25 26 22 21 Ave and	ENE ESE NNE NW SSE SW	Push Button Reach Rang
	24 23 25 26 22 21 Ave and	ENE ESE NNE NW SSE SW SISt	Push Button Reach Rang
	24 23 25 26 22 21 Ave and 29	ENE ESE NNE NW SSE SW SISt E	Push Button Reach Rang
	24 23 25 26 22 21 Ave and 29 32 31	ENE ESE NNE NW SSE SW SISt E N N NE	Push Button Reach Rang Clear Floor Space
	24 23 25 26 22 21 Ave and 29 32 31 33	ENE ESE NNE NW SSE SW SISt E N N NE NN	Push Button Reach Rang Clear Floor Space Clear Floor Space Push Button Reach Rang Push Button Reach Rang
	24 23 25 26 22 21 Ave and 29 32 31 33 27	ENE ESE NNE NW SSE SW SIST E N NE NNE NNE NNE NNE NNE NNE NNW S	Push Button Reach Rang Clear Floor Space Push Button Reach Rang



COST SUMMARY

December 2023

Intersection:		Orientation:	
Total Cost for	r Street:	E Cleveland Ave	\$229,20
	200	wsw	\$6,15
	201	WNW	\$7,95
	199	SSW	\$7,95
	206	SSE	\$6,15
	202	NNW	\$6,15
	203	NNE	\$7,95
	205	ESE	\$7,95
	204	ENE	\$6,15
Country Club	Dr and	W Sherwood Way	\$56,400
Intersection:		Orientation:	
Total Cost for		Country Club Dr	\$56,40
	170	WSW	\$7,95
	163	WNW	\$6,15
	169	SSW	\$6,15
	168	SSE	\$7,95
	165	NNW	\$6,15
		NNE	\$6,15
	166	ESE	\$7,95 \$7,95
Similar St ar		ENE	\$7,95
Clinton St an	nd Tozor 9		\$56,40
Intersection:		Orientation:	,
Total Cost for	r Street:	Clinton St	\$56,40
	152	SW	\$6,15
	150	SSE	\$6,15
	155	NW	\$7,95
	154	NNE	\$7,95
	151	ESE	\$6,15
, A T	153	ENE	\$6,15
Almond Ave	and Gate	eway Dr	\$40,500
Intersection:		Orientation:	
Total Cost for		Almond Ave	\$40,50
	42	W	\$6,15
	38	SW	\$6,15
	39 37	SE	\$6,15
	41	NW S	\$6,15 \$6,15
	36	NE NW	\$6,15
	35	N	\$6,15
	N D St		\$51,000
Intersection:		Orientation:	

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74		ENE	\$6,150
75		ESE	\$7,950
73		NNE	\$6,150
72		NNW	\$7,950
76		SSE	\$7,950
77		SSW	\$6,150
71		WNW	\$7,950
78		WSW	\$7,950
E Cleveland Ave	and N Lake St		\$60,000
240		ENE	\$6,150
238		ESE	\$7,950
239		NNE	\$7,950
241		NNW	\$7,950
237		SSE	\$6,150
236		SSW	\$7,950
242		WNW	\$7,950
235		WSW	\$7,950
E Cleveland Ave	and Owens St		\$54,600
70		ENE	\$6,150
63		ESE	\$7,950
69		NNE	\$7,950
68		NNW	\$6,150
64		SSE	\$6,150
65		SSW	\$7,950
67		WNW	\$6,150
66		WSW	\$6,150
E Cleveland Ave	and Tulare St		\$56,400
246		ENE	\$7,950
244		ESE	\$7,950
245		NNE	\$7,950
248		NNW	\$7,950
243		SSE	\$6,150
249		SSW	\$6,150
247		WNW	\$6,150
250		WSW	\$6,150
Total Cost for St	eet: Golden State Dr		\$4,950
Intersection:		Orientation:	
Golden State Dr	and Almond Ave		\$4,950
271		NW	\$450
270		SE	\$2,250
269		SW	\$2,250
Total Cost for St	eet: Howard Rd		\$205,350
Intersection:		Orientation:	
	Fairview Ave		\$44,100
Howard Rd and			·
Howard Rd and		ENE	\$6,150

	96	ESE	\$6,15
	95	ENE	\$7,95
N Schnoor A	ve a	nd Foxglove Way	\$52,800
Intersection:		Orientation:	
Total Cost fo	or Sti	eet: N Schnoor Ave	\$107,40
	58	w	\$6,15
	57	SW	\$6,15
	53	SE	\$6,15
	52	S S	\$6,15
	51	N NE	\$6,15
	54	E N	\$6,15 \$6,15
N G St and			\$49,200
	\A/ 4'		440.004
Intersection:		Orientation:	+ 15,20
Total Cost fo			\$49,20
Howard Rd	and $\frac{81}{81}$	Shannon Ave s	\$7,950 \$7,95
Harris I D. I	110	WSW	\$7,95
	109	WNW	\$7,95
	111	SSW	\$7,95
	112	SSE	\$7,95
	108	NNW	\$7,95
	107	NNE	\$2,55
	113	ESE	\$6,15
	106	ENE	\$6,15
Howard Rd	and		\$54,600
	125	SW	\$7,95
	124	SSE	\$7,95
	120	NW	\$7,95
	121	NNE	\$7,95
	123	ESE	\$7,95
	122	ENE	\$6,15
Howard Rd	and	Pine St	\$45,900
	86	WSW	\$7,95
	85	WNW	\$6,15
	87	SSW	\$7,95
	89	SSE	\$6,15
	84	NNW	\$6,15
	82	NNE	\$6,15
	88	ESE	\$6,15
	83	ENE	\$6,15
Howard Rd	and	Granada Dr	\$52,800
	119	SW	\$7,95
	118	SSE	\$7,95
	114	NW	\$7,95

94 NNE	\$6,150.
93 NNW	\$7,950.
97 SSE	\$6,150.
91 SSW	\$6,150.
92 WNW	\$6,150.
90 WSW	\$6,150.
N Schnoor Ave and Kennedy St	\$54,600.
216 ENE	\$7,950.
217 ESE	\$7,950.
215 NNE	\$7,950.
221 NNW	\$6,150.
218 SSE	\$6,150.
219 SSW	\$6,150.
222 WNW	\$6,150.
220 WSW	\$6,150.
Total Cost for Street: Olive Ave	\$84,600
Intersection: Orientation:	
Olive Ave and	\$15,900.
4 NE	\$7,950.
3 NW	\$7,950.
Olive Ave and Martin St	\$14,100.
12 N	\$6,150.
11 SE	\$7,950.
Olive Ave and S K St	\$14,100.
13 NW	\$7,950.
14 SW	\$6,150.
Olive Ave and S L St	\$28,200.
20 NE	\$6,150.
19 SE	\$7,950.
18 SSW	\$6,150.
17 WSW	\$7,950.
Olive Ave and Santa Cruz St	\$6,150.
	\$6,150.
16 SW	\$0.
Olive Ave and Wallace Ave	\$6,150.
162 NE	\$6,150.
Total Cost for Street: S Gateway Dr	\$58,200
Intersection: Orientation:	, , , , , , , , , , , , , , , , , , ,
S Gateway Dr and E 9Th St	\$28,200.
268 E	\$7,250.
266 NNE	\$7,950.
265 NNW	\$6,150.
267 W	\$6,150.
S Gateway Dr and Olive Ave	\$30,000.
158 NE	\$30,000.
150	Ψ1,930.

159	NNW	\$6,15
161	SW	\$7,95
160	WNW	\$7,95
Total Cost for Street	: St. Michelle Dr	\$12,78
Intersection:	Orientation:	
St. Michelle Dr and	Stadium Rd	\$12,78
2	NE	\$6,15
1	NW	\$6,63
Total Cost for Street	: Stadium Rd	\$102,30
Intersection:	Orientation:	
Stadium Rd and OI	ive Ave	\$44,10
292	ESE	\$6,15
291	NE	\$7,95
290	NW	\$7,95
293	SSE	\$6,15
288	SSW	\$7,95
289	WSW	\$7,95
Stadium Rd and Pe	can Ave	\$58,20
133	ENE	\$7,95
126	ESE	\$6,15
132	NNE	\$6,15
131	NNW	\$6,15
127	SSE	\$7,95
128	SSW	\$7,95
130	WNW	\$7,95 \$7,95
Total Cost for Street		\$21,87
Intersection:	Orientation:	φ21,07
Sunrise Ave and Li		\$7,95
175 and Li	NE	Ψ7,950 \$7,95
	ozer St	
		\$13,920
172 173	ESE NE	\$3,03 \$4,83
171	SSE	\$3,03
174	SW	\$3,03
Total Cost for Street		\$12,30
Intersection:	Orientation:	Ţ.2,00
Sunset Ave and Lib		\$12,30
	E	\$12,300
79 80	SW	\$6,15 \$6,15
Total Cost for Street		\$12,30
Intersection:	Orientation:	ψ12,50
IIILOI 300LIUII.	OHEHIAUOH.	

157	NW	\$6,150
156	SW	\$6,150
Total Cost for Street:	W 4th St	\$79,200
Intersection:	Orientation:	
W 4th St and N Gate	eway Dr	\$54,600
45	Е	\$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 St		\$24,600
59	E	\$6,150
61	N	\$6,150
60	S	\$6,150
62	W	\$6,150
Total Cost for Street:	W 6th St	\$58,200
Intersection:	Orientation:	
W 6th St and S Gate	way 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 Street:	W Clark St	\$56,400
Intersection:	Orientation:	
W Clark St and Cou	ntry 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 Street:		\$96,600
Intersection:	Orientation:	
W Cleveland Ave and		\$24,300
209	NE	\$4,050
210	NNW	\$4,050

	214		SE	\$4,050.00
	212		SSW	\$4,050.00
	211		WNW	\$4,050.00
	213		wsw	\$4,050.00
W Cleveland	Ave	and	N Schnoor Ave	\$58,200.00
	101		ENE	\$7,950.00
	102		ESE	\$6,150.00
	100		NNE	\$7,950.00
	98		NNW	\$6,150.00
	103		SSE	\$7,950.00
	104		SSW	\$7,950.00
	99		WNW	\$6,150.00
	105		wsw	\$7,950.00
W Cleveland	Ave	and	Sharon Bvd	\$14,100.00
	208		N	\$7,950.00
	207		S	\$6,150.00
Total Cost for	r Stre	et:	W Yosemite Ave	\$89,700.00
Intersection:			Orientation:	
W Yosemite A	Ave a	and	N Q St	\$36,900.00
	24		ENE	\$6,150.00
	23		ESE	\$6,150.00
	25		NNE	\$6,150.00
	26		NW	\$6,150.00
	22		SSE	\$6,150.00
	21		SW	\$6,150.00
W Yosemite A	Ave a	and	SISt	\$52,800.00
•	20		E	\$6,150.00
	29			
	32		N	\$6,150.00
			N NE	\$6,150.00 \$7,950.00
	32			
	32		NE	\$7,950.00
	32 31 33		NE NW	\$7,950.00 \$7,950.00
	32 31 33 27		NE NW S	\$7,950.00 \$7,950.00 \$6,150.00

Total Cost for City Pedestrian Signals:

\$1,484,850.00



SURVEY DATA

ID Orientation

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

and Proposed Solution 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

• 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: 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.





(y/n)	Yes
(y/n)	Yes
(%)	1.8
(%)	0.2
(in)	38.0
(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) (ibs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

ID Orientation

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

and Proposed Solution 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.

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 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
1	Button Diameter	(in)	2.0
ł	Button Pressure	(lbs)	0.0
Ţ	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
	Within 5 ft from crosswalk 1.5 - 6.0 ft from curb	.,	Yes Yes
		(y/n)	

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: 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.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.7
Clear Floor X Slope	(%)	1.1
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

ID Orientation

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

and Proposed Solution

SE Push Button Reach Range

37 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: 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

\$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)	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)	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)

Measurements

38 SW 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	(%)	8.0
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
Vibrotactile Feedback Audible Walk Indicator	(y/n) (y/n)	No No
Tibi otabilo i obababit	. ,	
Audible Walk Indicator	(y/n)	No
Audible Walk Indicator Button Locator Tone	(y/n) (y/n)	No No
Audible Walk Indicator Button Locator Tone Tactile Arrow	(y/n) (y/n) (y/n)	No No No
Audible Walk Indicator Button Locator Tone Tactile Arrow Within 5 ft from crosswalk	(y/n) (y/n) (y/n) (y/n)	No No No Yes

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2**

CBC 2019: 11B-305.1

ADA 2010: 305.1

Cross Street Survey Street

4TH ST N D ST

ID Orientation and Proposed Solution SW 40

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. **Unit Cost Priority**

\$7950.00 82

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
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	(v/n)	Yes

>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 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

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.

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.





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 ND St

\$51,000.00

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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

Yes

Yes

0.7

(y/n) No

(y/n) No

(y/n)

No

Survey Street

Cross Street

ALMOND AVE

GATEWAY DR

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2**

Unit Cost

Priority

CBC 2019: 11B-308.2.1

ID Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info Measurements

\$6150.00

60

ENE 153

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

PROWAG: R406.2

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$6150.00

65

Accessible Path	(y/n
Clear Floor Space	(y/n
Clear Floor Slope	(%)

Audible Walk Indicator

Button Locator Tone

Tactile Arrow

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 No (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

ESE 151

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
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

Prepared by Sally Swanson Architects, Inc. Project # **Survey Street**

Cross Street

ALMOND AVE

GATEWAY DR

ID Orientation

Existing Access Barrier and Proposed Solution

NNE 154

· As-Built Description:

Clear Floor Space

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

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

Codes / Mitigation Info

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

signal device exceed 1:48 (2%). 2.2% · As-is Measurement:

Unit Cost

\$7950.00	
72	

Priority

	/ toooooibio / atii	(3,)	163
	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
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 1.5 - 6.0 ft from curb

Accessible Path

Clear Floor Space

Clear Floor Slope

Measurements

Accessible Path

(y/n) (y/n) Yes 10 ft minimum separation >10ft

(y/n)

(y/n)

(%)

Yes

Yes

1.5

(v/n)

Yes

· Additional Items:

· Proposed Solution:

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.





NW Clear Floor Space 155

· 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

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 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 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 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

ALMOND AVE

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

65

150 **SSE**

· As-Built Description:

Push Button Reach Range

I dan Ballon 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.

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
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

Measurements

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

152 SW 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 Orientation

TOZER ST

טו	Orientation	and Proposed Solution
166	FNF	Clear Floor Space

Codes / Mitigation Info

Measurements

· As-Built Description:

<u>⊣ear Fioor Space</u>

Existing Access Barrier

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

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
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
Tactile Arrow	(y/n)	No
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(v/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.





167	ESE	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	

Clear Floor X Slope	(%)	1.5
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

(y/n)

(y/n)

(%)

(y/n)

(y/n) No

No

Yes

Yes

2.6

Accessible Path

Clear Floor Space

Clear Floor Slope

Audible Walk Indicator

Tactile Arrow No (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.





Survey Street Cross Street

CLINTON ST

TOZER 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

76

Unit Cost

Priority

Measurements

NNE 165

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.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$6150.00

86

Measurements		
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
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
	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 Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone Tactile Arrow Within 5 ft from crosswalk 1.5 - 6.0 ft from curb	Accessible Path (y/n) 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)

Push Button Reach Range **NNW**

· As-Built Description:

164

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

Cross Street Survey Street

CLINITON C

	LIN	<u>I Or</u>	<u> 151</u>
ID	Orien	tatior	Exis

Existing Access Barrier and Proposed Solution

TOZER ST Codes / Mitigation Info

Measurements

SSE 168

Clear Floor Space

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

PROWAG: **R404.2**

Unit Cost \$7950 **Priority**

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0.00	ı
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•	١,

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 No (y/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) Yes 10 ft minimum separation >10ft

(y/n)

No

Tactile Arrow

· 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.

· 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

SSW Push Button Reach Range

· As-Built Description:

169

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
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

CLINTON ST

Orientation

TOZER 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

80

WNW 163

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.

· 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 Clear Floor Space Clear Floor Slope Clear Floor X Slope	(y/n) (y/n) (%) (%)	Yes Yes 1.0 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

(y/n) No

(y/n)

(y/n)

(y/n)

(%)

(%)

(y/n)

(y/n)

Yes

Yes

3.2

2.3

40.0

0.0

2.0

2.0

Yes

Yes

No

No

Measurements

Button Locator Tone

Tactile Arrow

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

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

ADAAG: 4.3.7

ADA 2010: 305.1

Unit Cost Priority

\$7950.00 78

	Button Ht.	(in)
	Button Reach	(in)
Ì	Button Diameter	(in)
l	Button Pressure	(lbs)
Į	Closed Fist Operation	(y/n)
	Visual Contrast	(v/n)

Contrasting Color Bands

Accessible Path

Clear Floor Space

Clear Floor Slope

Clear Floor X 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.





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

0.3

0.1

(%)

Survey Street

Cross Street

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2**

Unit Cost

Priority

CBC 2019: 11B-308.2.1

COUNTRY CLUB DR

W SHERWOOD WAY

\$6150.00

91

ID Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

ENE 204

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. Provide new push button and housing to allow for closed fist operation.





Measurements	
Accessible Path	(y/n)
Clear Floor Space	(y/n)
Clear Floor Slope	(%)

Clear Floor X Slope

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 (v/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



· As-Built Description:

205

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.

2.6%

Clear Floor Space

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

ADAAG: 4.3.7

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
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

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 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





>10ft

Survey Street

ID Orientation

Cross Street

COUNTRY CLUB DR

W SHERWOOD WAY

203 NNE Clear Floor Space

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%).

- 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.

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

Codes / Mitigation Info

ADAAG: 4.3.7

ADA 2010: 302.1

Unit Cost **\$7950.00**Priority **81**

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.3
Clear Floor X Slope	(%)	2.6
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

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

88

Unit Cost

Priority

202 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: 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 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	(%)	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
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		<10ft

>10ft

Survey Street

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

· 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	(%)	1.8
	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
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

Measurements

10 ft minimum separation

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**

Unit Cost Priority

\$7950.00	
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

Cross Street

COUNTRY CLUB DR

W SHERWOOD WAY

ID Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

Measurements

10 ft minimum separation

201 **WNW**

Clear Floor Space

As-Built Description:

The slave of the flave or ground surface at the redestries.

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.	4.3.1
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

· 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:

E CLEVELAND AVE

N D ST

Priority

LOLLVLLAI

Existing Access Barrier and Proposed Solution

N D 31

Codes / Mitigation Info

Measurements

74 ENE

· As-Built Description:

ID Orientation

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**

Unit Cost

\$6150.00
72

• As-is Measurement:

nt: 39.0"

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

· 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.





	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
7	Button Diameter	(in)	2.0
1	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

75 ESE 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: 3.8%

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

Unit Cost Priority \$7950.00 80

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
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
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.





Cross Street Survey Street

E CLEVELAND AVE

N D ST

ID Orientation

· As-Built Description:

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

NNE 73

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**

Unit Cost Priority

\$6150.00
72

· As-is Measurement:

40.0"

· 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 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
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

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

Clear Floor Slope	(%)	0.5	
Clear Floor X Slope	(%)	2.9	
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	(v/n)	No	

(y/n)

(y/n)

(y/n)

(y/n)

No

Yes

Yes

Accessible Path

Clear Floor Space

Clear Floor Slone

Button Locator Tone

Tactile Arrow

Within 5 ft from crosswalk (y/n) Yes 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.





Survey Street

E CLEVELAND AVE

Cross Street N D ST

ID Orien	tation
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Existing Access Barrier and Proposed Solution

<u> 1 D 3 I</u>

Measurements

76 **SSE**

Clear Floor Space

As-Built Description:

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:

· 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**

Codes / Mitigation Info

Unit Cost Priority

\$7950.00
72

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)	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

Within 5 ft from crosswalk (y/n) Yes
1.5 - 6.0 ft from curb (y/n) Yes
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. 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

77 SSW 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.





(y/n)	Yes
(y/n)	Yes
(%)	1.0
(%)	0.6
(in)	40.0
(in)	0.0
(in)	2.0
(lbs)	1.0
(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)

>10ft

Cross Street Survey Street

E CLEVELAND AVE

N D ST

Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info Measurements

WNW 71

Clear Floor Space

· As-Built Description:

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

4.6% · 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: 305.1 CBC 2019: 11B-305.1 PROWAG: **R404.2**

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

· 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 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	(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.





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

\$58,200.00

>10ft

Survey Street

Cross Street

E CLEVELAND AVE

N LAKE ST

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

Orientation

Existing Access Barrier and Proposed Solution

Measurements

ENE 240

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.





	mode di oni oni o		
	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
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

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

\$7950.0 73

	Duttoi
	Buttor
0	Buttor
_	Buttor

Accessible Path

Accessible Path	(y/n)	Yes
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
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

(y/n)

>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. 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

Survey Street

Cross Street

E CLEVELAND AVE

N LAKE ST

ID Orientation

Existing Access Barrier and Proposed Solution

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

239 NNE

Clear Floor Space

239 NIVE OICAI I IOOI OPACC

• 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**

Codes / Mitigation Info

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

· 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

(y/n)

>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 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

1.1

0.6

40.0

0.0

2.0

2.0

Yes

Yes

No

No

(y/n)

(y/n)

(%)

(%)

(in)

(in)

(in)

(lbs)

(y/n)

(y/n)

(y/n)

(y/n)

(y/n) No

(y/n) No

(y/n)

(y/n)

Yes

>10ft

Survey Street Cross Street

Push Button Reach Range

E CLEVELAND AVE

N LAKE ST

Orientation

· As-Built Description:

Existing Access Barrier

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

Accessible Path

1.5 - 6.0 ft from curb

10 ft minimum separation

Clear Floor X Slope

SSE 237

ground.

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

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

PROWAG: **R406.2**

Unit C Prior

ost	\$6150.00
rity	70

· 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.





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 83

	В
.00	В
	В

Accessible Falli	(y/11)	res	
Clear Floor Space	(y/n)	Yes	
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	
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	_

· 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





(y/n)

(y/n) No

(y/n)

(y/n)

(y/n)

(%)

(%)

Yes

Yes

0.6

3.1

39.0

0.0

2.0

2.0

Yes

Yes

No

Survey Street Cross Street

E CLEVELAND AVE

N LAKE ST

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2**

CBC 2019: 11B-305.1

ADA 2010: 305.1

WNW Clear Floor Space 242

Existing Access Barrier and Proposed Solution

· 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. **Unit Cost Priority**

\$7950.00 78

Measurements Accessible Path

Audible Walk Indicator

Button Locator Tone

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
Button Pressure	(lbs)	2.0
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(v/n)	No

Tactile Arrow (y/n)No (y/n)

Within 5 ft from crosswalk 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.





WSW Clear Floor Space 235

· 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

	•	` '
	Button Ht.	(in)
	Button Reach	(in)
	Button Diameter	(in)
l	Button Pressure	(lbs)
l	Closed Fist Operation	(y/n)
	Visual Contrast	(y/n)

Accessible Path

Clear Floor Space

Clear Floor Slope

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 No (y/n)

Within 5 ft from crosswalk (y/n) Yes 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 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

Survey Street

Cross Street

E CLEVELAND AVE

OWENS 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

70 **ENE**

ground.

· As-Built Description:

Push Button Reach Range

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

PROWAG: **R406.2**

Unit Cost **\$6150.00**Priority **74**

• 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.





	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
t	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

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	(v/n)	Yes

>10ft

1.5 - 6.0 ft from curb10 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.





Survey Street

E CLEVELAND AVE

Cross Street OWENS ST

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

76

Unit Cost

Priority

Measurements

NNE 69

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:

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

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.9
	Clear Floor X Slope	(%)	2.1
	Button Ht.	(in)	39.0
	Button Reach	(in)	0.0
1	Button Diameter	(in)	2.0
ł	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 Push Button Reach Range

· As-Built Description:

68

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	(%)	0.6
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

ID Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

SSE 64

Push Button Reach Range

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 83

· 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 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

	mode ar of the		
	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
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

Measurements

SSW

65

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 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.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.1
Clear Floor X Slope	(%)	0.6
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

E CLEVELAND AVE

OWENS 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

68

Unit Cost

Priority

Measurements

67 **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: 39.

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

PROWAG: R406.2

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$6150.00 72

	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
l	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	1.0
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

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.





(y/n)	Yes
(y/n)	Yes
(%)	0.6
(%)	1.6
(in)	39.5
(in)	0.0
(in)	2.0
(lbs)	1.0
(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)

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

\$54,600.00

Survey Street

Cross Street

E CLEVELAND AVE

TULARE ST

Orientation

246

Existing Access Barrier and Proposed Solution

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

Codes / Mitigation Info

ENE Clear Floor Space

ADAAG: 4.3.7 ADA 2010: 302.1

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

signal device exceed 1:48 (2%). 3.1% As-is Measurement:

Unit Cost **Priority**

\$7950.00	
78	

· 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 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	(%)	0.2
	Clear Floor X Slope	(%)	3.1
	Button Ht.	(in)	40.0
	Button Reach	(in)	0.0
7	Button Diameter	(in)	2.0
┪	Button Pressure	(lbs)	2.0
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

(y/n)

(y/n)

(%)

(%)

(in)

(in)

(in)

(lbs)

(y/n)

(y/n) No

Yes

Yes

8.0

2.4

39.0

0.0

2.0

2.0

Yes

No

No

No

No

No

Measurements

ESE Clear Floor Space

· As-Built Description:

244

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	

Button Ht. **Button Reach Button Diameter Button Pressure** Closed Fist Operation

Visual Contrast

Accessible Path

Clear Floor Space

Clear Floor Slope

Clear Floor X Slope

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) 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.





>10ft

>10ft

Survey Street

Cross Street

E CLEVELAND AVE

TULARE ST

and Proposed Solution NNE 245

Codes / Mitigation Info

Clear Floor Space

Existing Access Barrier

· As-Built Description:

Orientation

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	
72	

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.2
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
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.





248	NNW	<u>Clear</u>	<u>Floor</u>	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 72

Accessible Path	(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
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.





Unit Cost

Priority

Survey Street

Cross Street

E CLEVELAND AVE

TULARE ST

and Proposed Solution 243 SSE Color Coding

Codes / Mitigation Info

CBC 2019: 11B-703.7.2.7

\$6150.00

73

As-Built Description:

Orientation

Pole-supported pedestrian traffic-control buttons is not identified with color coding consisting of a textured horizontal yellow band 2

Existing Access Barrier

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
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

Massuraments

SSW Push Button Reach Range

As-Built Description:

249

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

>10ft

Survey Street

Orientation

· As-Built Description:

Cross Street

E CLEVELAND AVE

TULARE ST

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

WNW 247

Push Button Reach Range

ADAAG: 4.2.5 ADA 2010: 308.2.1

CBC 2019: 11B-308.2.1

PROWAG: **R406.2**

Unit Cost

\$6150.00 **Priority** 70

Accessible Path	(y/n)	Vas
	(, ,	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 Yes

10 ft minimum separation

· As-is Measurement:

40.0"

· 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.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$6150.00 76

WSW Push Button Reach Range 250

· 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 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

City of Madera	Access Compliance Assessment Report - Pedestrian Signals	E Cleveland Ave
Survey Street	Cross Street	_
E CLEVELAND AVE	TULARE ST	

E CLEVELAND AVE			TULARE 51			
	ID Orientation	Existing Access Barrier and Proposed Solution		Codes / Mitigation Info	Measurements	
	Total Cost	for Street:	E Cleveland Ave			\$229,200.00

Survey Street

Cross Street

GOLDEN STATE DR

ALMOND AVE

Unit Cost

Priority

ID Orientation

271

Existing Access Barrier and Proposed Solution

Push Button Reach Range

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2**

\$450.00

48

NW · 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.





ADAAG: 4.3.7

PROWAG: **R404.2**

Unit Cost

Priority

CBC 2019: 11B-302.1

\$2250.00

55

ADA 2010: 302.1

	Measurements			
	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 Mess	sage
	Button Locator Tone	(y/n)	Yes	
	Tactile Arrow	(y/n)	Yes	
	Within 5 ft from crosswalk	(y/n)	No	
	1.5 - 6.0 ft from curb	(y/n)	Yes	
	10 ft minimum separation		>10ft	

Measurements

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%

· 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

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

and Proposed Solution **SW** Push Button Reach Range 269

Codes / Mitigation Info

Measurements Accessible Path

10 ft minimum separation

(y/n) Yes

· 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.

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

Existing Access Barrier

38.0" · As-is Measurement:

Unit Cost Priority

\$2250.00 54

	/ 1000001D10 / G111	(3,)	163
	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
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)	Speech Messag
	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

· Additional Items:

• Proposed Solution:

than 42" from the ground.

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.





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

\$4,950.00

>10ft

Total Cost for Street:

Golden State Dr

\$4,950.00

HOWARD 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

FAIRVIEW AVE Existing Access Barrier Codes / Mitigation Info

ENE 116

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.

and Proposed Solution

· As-is Measurement:

35.5"

· 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

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
1	Button Diameter	(in)	2.0
t	Button Pressure	(lbs)	2.0
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

ESE Push Button Reach Range

· As-Built Description:

117

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.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.6
Clear Floor X Slope	(%)	0.1
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)	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
	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)

HOWARD RD

FAIRVIEW AVE

NNE 115

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

ADAAG: 4.3.7

Measurements

Accessible Path

Visual Contrast

Tactile Arrow

A - - - - : |- | - | D - 4 |-

Clear Floor Space

· As-Built Description:

ID Orientation

Clear Floor Space

ADA 2010: 302.1 The cross slope of the floor or ground surface at the pedestrian CBC 2019: 11B-302.1 signal device exceed 1:48 (2%).

PROWAG: **R404.2**

Unit Cost \$7950 **Priority** 62

	Button Reach
.00	Button Diameter
	Button Pressure
	Closed Fist Operation

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

(y/n)

(y/n)

(y/n)

(y/n)

(y/n)

Yes

Yes

Yes

Yes

No

Contrasting Color Bands (y/n) No Vibrotactile Feedback No (y/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) Yes 10 ft minimum separation >10ft

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 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.





NW Clear Floor Space 114

· 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

Accessible Path	(y/n)	Yes	
Clear Floor Space	(y/n)	Yes	
Clear Floor Slope	(%)	0.9	
Clear Floor X Slope	(%)	2.8	
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)	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	

N/A

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

FAIRVIEW AVE Existing Access Barrier Codes / Mitigation Info and Proposed Solution

SSE 118

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%).

5.9% · 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

PROWAG: **R404.2**

ADAAG: 4.3.7

CBC 2019: 11B-305.1

ADA 2010: 305.1

\$7950.00 74

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

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
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

<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. 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.





119	SW	Clear Floor S	pace
11/	• • • •	<u> </u>	<u> </u>

· 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

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

Unit Cost Priority

\$7950.00

Accessible Path	(y/n)	Yes	
Clear Floor Space	(y/n)	Yes	
Clear Floor Slope	(%)	2.4	
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	
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	

N/A

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.





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.

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	(%)	1.5
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)

Survey Street Ci

HOWARD RD

Cross Street

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

GRANADA DR sting Access Barrier Codes / Mitigation Info

82 NNE

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

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

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
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

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: 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.





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

HOWARD RD

GRANADA DR

SSE 89

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

· As-Built Description:

ID Orientation

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 62

· As-is Measurement:

40.0"

· 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. 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
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)	No
	1.5 - 6.0 ft from curb	(y/n)	Yes
	10 ft minimum separation		<10ft

SSW 87

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:

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

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

HOWARD RD

GRANADA DR Existing Access Barrier

WNW 85

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.

and Proposed Solution

· 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

Measurements

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
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

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 Clear Floor Space Clear Floor Slope Clear Floor X Slope	(y/n) (y/n) (%) (%)	Yes No N/A N/A
	Button Ht.	(in)	40.0
	Button Reach	(in)	24.0
l	Button Diameter	(in)	2.0
i	Button Pressure	(lbs)	0.0
l	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

Survey Street Cross Street

ID Orientation

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2**

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$6150.00

78

HOWARD RD

PINE ST Existing Access Barrier Codes / Mitigation Info and Proposed Solution

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	(v/n)	Yes

10 ft minimum separation

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:

· 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 84

Button Ht.
Button Re
Button Dia
Button Pre

Accessible Path

1.5 - 6.0 ft from curb

10 ft minimum separation

Clear Floor Space (y/n) Yes Clear Floor Slope (%) 2.4 Clear Floor X Slope (%) 3.8 (in) 39.0 ach (in) 0.0 (in) 2.0 (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)

(y/n)

(y/n)

Yes >10ft

Yes

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

signal device exceed 1:48 (2%).

PINE ST

NNE 121

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

Measurements

Accessible Path

Tactile Arrow

Accessible Path

· As-Built Description:

As-is Measurement:

· Proposed Solution:

ID Orientation

Clear Floor Space

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

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.

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

PROWAG: **R404.2**

Unit Cost Priority

\$7950.00	
85	

Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.2
Clear Floor X Slope	(%)	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

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

(y/n)

(y/n)

(y/n)

No

Yes

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 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 Within 5 ft from crosswalk 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.





Clear Floor Space NW 120

· 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

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	(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

(v/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 Tactile Arrow 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

PINE ST Existing Access Barrier

SSE 124

ID Orientation

· As-Built Description: The slope of the floor or ground surface at the pedestrian signal

and Proposed Solution

Clear Floor Space

2.3% · 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.

Codes / Mitigation Info

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

ADAAG: 4.3.7

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

Measurements

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

· 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.





SW Clear Floor Space 125

· 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

Accessible Path	(y/n)	Yes
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
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

· 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.





Total Costs for Pedestrian Signals at: Howard Rd and Pine St

\$45,900.00

N/A

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2**

\$6150.00

70

Unit Cost

Priority

HOWARD RD

SCHNOOR AVE Existing Access Barrier Codes / Mitigation Info

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.

and Proposed Solution

- · 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

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

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

(y/n)

Yes

>10ft

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.

40.5" · 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 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 separation		>10ft

HOWARD RD

SCHNOOR AVE

NNE 107

ground.

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

· As-Built Description:

ID Orientation

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

\$2550.00 59

38.5" · 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 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	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.3
	Clear Floor X Slope	(%)	1.1
	Button Ht.	(in)	38.5
	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)	Yes
	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 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.

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

PROWAG: **R404.2**

Unit Cost Priority

\$7950.00 72

Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.5
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	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(v/n)	No

(y/n)

Yes

Accessible Path

Audible Walk Indicator (y/n)No 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.





>10ft

Survey Street Cross Street

ID Orientation

ADAAG: 4.3.7

PROWAG: **R404.2**

Unit Cost

Priority

CBC 2019: 11B-302.1

\$7950.00

67

ADA 2010: 302.1

HOWARD RD

SCHNOOR AVE Existing Access Barrier Codes / Mitigation Info

112

SSE Clear Floor Space

· As-Built Description:

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

and Proposed Solution

- 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.





Measurements

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.9
	Clear Floor X Slope	(%)	2.3
	Button Ht.	(in)	38.5
	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)	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

Clear Floor Space

Clear Floor Slope

SSW Clear Floor Space

· As-Built Description:

111

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.

2.4%

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

Unit Cost Priority

\$7950.00 72

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

(y/n)

(y/n)

(%)

Yes

Yes

2.4

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.





Survey Street Cross Street

HOWARD RD

COLINIOOD AV

Codes / Mitigation Info

ID Orientation Ex

Existing Access Barrier and Proposed Solution

SCHNOOR AVE

109 WNW

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: 3.7%
- · 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: **302.1** CBC 2019: **11B-302.1** PROWAG: **R404.2**

Unit Cost Priority

\$7950.00	
73	

(y/n)	Yes
(y/n)	Yes
(%)	0.5
(%)	3.7
(in)	38.5
(in)	0.0
(in)	2.0
(lbs)	2.0
(y/n)	Yes
(y/n)	Yes
(y/n)	No
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

(y/n)

(y/n)

(y/n)

(%)

(%)

(in)

(in)

(in)

(lbs)

(y/n)

(y/n)

Yes

Yes

2.1

1.8

38.5

0.0

2.0

2.0

Yes

Yes

No

No

No

No

No

Yes

>10ft

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. 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.





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 Reach
1	Button Diameter
1	Button Pressure
J	Closed Fist Operation

Visual Contrast

Accessible Path

Clear Floor Space

Clear Floor Slope

Button Ht.

Clear Floor X Slope

1.5 - 6.0 ft from curb

10 ft minimum separation

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) 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

Survey Street

Cross Street

SCHNOOR AVE

ID Orientation Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

Measurements

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 54 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.

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

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
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
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

N Push Button Reach Range

· As-Built Description:

51

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
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)

Prepared by Sally Swanson Architects, Inc. Project # 20029.00

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 52

· 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

97

Unit Cost

Priority

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		>10ft

Measurements

S Push Button Reach Range 55

· 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 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	(%)	1.7
Clear Floor X Slope	(%)	0.7
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

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 53

· 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
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)

Measurements

SE Push Button Reach Range 56

· 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.





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)	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

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

· 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

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
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

Measurements

58 W 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.





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

10 ft minimum separation

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

\$49,200.00

>10ft

Survey S	treet		Cross Street		
NGS	T		W 4TH ST		
ID Orien	tation Existing Access Barrier and Proposed Solution		Codes / Mitigation Info	Measurements	
Total	Cost for Street:	N G St			\$49,200.00

>10ft

Survey Street

Cross Street

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2**

Unit Cost

Priority

CBC 2019: 11B-302.1

\$7950.00

52

ADA 2010: 302.1

Orientation

N SCHNOOR AVE **FOXGLOVE WAY**

טו	Orientation	and Proposed Solution	
95	FNF	Clear Floor Space	

· As-Built Description:

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

Existing Access Barrier

- 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.

· 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

Measurements

	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
l	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

ESE Push Button Reach Range 96

· 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.





(y/n)	Yes
(y/n)	Yes
(%)	0.3
(%)	1.5
(in)	39.0
(in)	0.0
(in)	2.0
(lbs)	2.0
(y/n)	Yes
(y/n)	Yes
(y/n)	No
(1.1/2)	No
(y/n)	140
(y/n) (y/n)	Yes
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n)

Survey Street Cross Street

N SCHNOOR AVE

FOXGLOVE WAY

\$6150.00

50

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

Unit Cost

Priority

NNE Push Button Reach Range 94

and Proposed Solution

· 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.





easurements	

M

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		>10ft

NNW Clear Floor Space

· As-Built Description:

93

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.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	3.1
Clear Floor X Slope	(%)	2.8
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	(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

Survey Street Cross Street

N SCHNOOR AVE

FOXGLOVE WAY

\$6150.00

62

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

Unit Cost

Priority

SSE Push Button Reach Range 97

and Proposed Solution

· 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

62

Unit Cost

Priority

<i>l</i> leasurements	

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
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

SSW Push Button Reach Range

· As-Built Description:

91

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	(%)	1.7
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

Survey Street Cross Street

N SCHNOOR AVE

FOXGLOVE WAY

ID Orientation

Existing Access Barrier and Proposed Solution

OXOLOVE WAT

\$6150.00

62

Codes / Mitigation Info

ADAAG: 4.2.5

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

PROWAG: R406.2

Unit Cost

Priority

92 **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:

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
	Button Diameter	(in)	2.0
l	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

90 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:

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.





	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
Ì	Button Diameter	(in)	2.0
l	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

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

\$52,800.00

Orientation

· As-Built Description:

device exceed 1:48 (2%).

Survey Street Cross Street

N SCHNOOR AVE

KENNEDY ST

and Proposed Solution

Codes / Mitigation Info

ENE Clear Floor Space 216

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

Measurements

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

· Proposed Solution:

· As-is Measurement:

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

2.4%

Existing Access Barrier

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

· 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</u>	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: 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

	Accessible Path	(y/n)	Yes
	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
l	Button Pressure	(lbs)	0.0
l	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

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. 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

Survey Street

N SCHNOOR AVE

Cross Street

KENNEDY ST

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2**

Unit Cost

Priority

CBC 2019: 11B-305.1

\$7950.00

46

ADA 2010: 305.1

Existing Access Barrier and Proposed Solution

NNE Clear Floor Space 215

· As-Built Description:

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.





ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

44

Unit Cost

Priority

Measurements

	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
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

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

Survey Street Cross Street

N SCHNOOR AVE

KENNEDY ST

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

44

Unit Cost

Priority

ID Orientation

Existing Access Barrier and Proposed Solution

Measurements

SSE 218

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

	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
	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

SSW 219

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.





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
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

Survey Street Cross Street

N SCHNOOR AVE

KENNEDY ST

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2**

Unit Cost

Priority

CBC 2019: 11B-308.2.1

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info Measurements

\$6150.00

44

WNW 222

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

indudui dinidika		
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
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

WSW 220

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

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

\$54,600.00

>10ft

City of Madera		Access Compliance Assessment Report - Pedestrian Signa	als N Schnoor Ave
Survey Street		Cross Street	
N SCHNOO	R AVE	KENNEDY ST	
	kisting Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements

N Schnoor Ave

\$107,400.00

Total Cost for Street:

Survey 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	NE	Color Coding

ution

· 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

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

Accessible Path

Clear Floor Space

Clear Floor Slope

Visual Contrast

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

(y/n)

(y/n)

(%)

(y/n)

Yes

Yes

3.2

0.5

39.0

0.0 2.0

5.0

Yes

Within 5 ft from crosswalk Yes (y/n)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 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: Olive Ave and

\$15,900.00

Survey Street Cross Street

OLIVE AVE

MARTIN ST

and Proposed Solution Ν

Codes / Mitigation Info

CBC 2019: 11B-703.7.2.7

\$6150.00

91

· As-Built Description:

ID Orientation

Color Coding 12

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.





Unit Cost

Priority

	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
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		N/A

SE Clear Floor Space 11

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

4.4%

Priority

ADAAG: 4.3.7

PROWAG: **R404.2**

CBC 2019: 11B-305.1

ADA 2010: 305.1

\$7950.00 94

Unit Cost

· 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
(%)	4.4
(%)	1.0
(in)	42.0
(in)	0.0
(in)	2.0
(lbs)	0.0
(y/n)	Yes
(y/n)	Yes
(y/n) (y/n)	Yes No
(y/n)	No
(y/n) (y/n)	No No
(y/n) (y/n) (y/n)	No No No
(y/n) (y/n) (y/n) (y/n)	No No No No
(y/n) (y/n) (y/n) (y/n) (y/n)	No No No No
	(y/n) (%) (%) (in) (in) (in) (lbs)

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

\$14,100.00

Cross Street Survey Street

OLIVE AVE

SK ST

and Proposed Solution **NW** 13

ID Orientation

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%).

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 Clear Floor Space	(y/n) (y/n)	Yes Yes
	Clear Floor Slope	(%)	5.3
	Clear Floor X Slope	(%)	2.0
	Button Ht.	(in)	42.0
	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

N/A

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.





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		N/A

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

\$14,100.00

Cross Street Survey Street

OLIVE AVE

ID Orientation

S L ST

and Proposed Solution NE Push Button Reach Range 20

Codes / Mitigation Info

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

· 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

41.0" · 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.





	mode aromonic		
	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 Cost Priority

\$7950.00 89

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

Visual Contrast

Accessible Path

Clear Floor Space

Clear Floor Slope

Clear Floor X Slope

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)

(y/n)

(y/n)

(%)

(%)

(in)

(in)

(in)

(lbs)

(y/n)

Yes

Yes

0.8

7.1

42.0

0.0

2.0

0.0

Yes

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:

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.





Survey Street Cross Street

OLIVE AVE

21000

ID	Orientation	Existing	Acces

S L ST

18 **SSW**

Existing Access Barrier and Proposed Solution

Color Coding

Codes / Mitigation Info

Measurements

Accessible Path

Tactile Arrow

-		Clear Floor Space
As-Built Description:		Clear Floor Slope
Pole-supported pedestrian traffic-control buttons is not identified	CBC 2019: 11B-703.7.2.7	Clear Floor X Slop
with color coding consisting of a textured horizontal yellow band 2		Button Ht.
inches in width encircling the pole, and a 1-inch wide dark border		Button Reach

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.

Unit Cost Priority \$6150.00 81

•		
Clear Floor Slope	(%)	0.6
Clear Floor X Slope	(%)	1.2
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)	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)

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:

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

· 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:

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 89

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.3
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
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:

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

Yes >10ft **Unit Cost**

Priority

Survey Street

ID Orientation

Cross Street

OLIVE AVE

SANTA CRUZ ST

CBC 2019: 11B-703.7.2.7

\$6150.00

79

and Proposed Solution **NW** Color Coding 15

Codes / Mitigation Info

· 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.





	Weasurements		
	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
	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		N/A

Massuraments

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
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		N/A





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

\$6,150.00

Unit Cost

Priority

Survey Street **Cross Street**

OLIVE AVE

WALLACE AVE

CBC 2019: 11B-703.7.2.7

\$6150.00

57

ID	Orientation	Existing Access Barrier and Proposed Solution
162	NE	Color Coding

Codes / Mitigation Info

· As-Built Description:

162 Color Coaing

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.





Wedsurements		
Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.7
Clear Floor X Slope	(%)	0.1
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	(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
	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 Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone Tactile Arrow Within 5 ft from crosswalk 1.5 - 6.0 ft from curb	Accessible Path (y/n) 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)

Massuraments

Total Costs for Pedestrian Signals at: Olive Ave and Wallace Ave \$6,150.00 \$84,600.00 **Olive Ave Total Cost for Street:**

>10ft

Survey Street Cross Street

S GATEWAY

and Proposed Solution Ε Clear Floor Space 268

E 9TH ST

Codes / Mitigation Info

· As-Built Description:

ID Orientation

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

Existing Access Barrier

4.2% · 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

\$7950.00 106

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
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	(v/n)	Yes

10 ft minimum separation

Accessible Path

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 2" diameter push button. Provide a button locator tone. Provide new push button and housing to allow for closed fist operation.





266	NNE	<u>Clear</u>	<u>Floor</u>	<u>Space</u>

· 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

, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(3,)	103
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

(v/n)

Yes

>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 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

S GATEWAY

E 9TH ST

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

NNW 265

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:

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

Measurements

10 ft minimum separation

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
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

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.

· As-is Measurement:

· Proposed Solution:

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

51.0"

· 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





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
Within 5 ft from crosswalk 1.5 - 6.0 ft from curb	(y/n) (y/n)	Yes Yes

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

\$28,200.00

N/A

Survey Street

Cross Street

S GATEWAY DR

OLIVE AVE

ID Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

158

NE

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 (y/n) Yes Clear Floor Space (y/n) 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 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 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	<u>Push Button Reach Range</u>
239	<u>r usii bulloii Neacii Naiige</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
	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

N/A

Survey Street

Cross Street

S GATEWAY

OLIVE AVE

ID Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

Measurements

10 ft minimum separation

SW 161

Clear Floor Space

· As-Built Description:

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

Unit Cost Priority

\$7950.00 57

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	3.7
Clear Floor X Slope	(%)	0.6
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

· 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.





60	WNW	<u>Clear</u>	<u>Floor</u>	<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: 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

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	4.7
Clear Floor X Slope	(%)	4.6
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

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.





Total Costs for Pedestrian Signals at: S Gateway Dr and Olive Ave

\$30,000.00

>10ft

Survey Street	Cross Street	
City of Madera	Access Compliance Assessment Report - Pedestrian Signals	S Gateway Dr

ID Orientation Existing Access Barrier Codes / Mitigation Info Measurements and Proposed Solution	ID OTENIADOR STATEMENTS	ation into Measurements
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Cross Street

Survey Street

ST. MICHELLE DR

STADIUM RD

NE Push Button Reach Range 2

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2**

\$6150.00

66

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

Existing Access Barrier

and Proposed Solution

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
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		N/A

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.

36.5" · 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 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
(%)	8.0
(in)	36.5
(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: St. Michelle Dr and Stadium Rd

\$12,780.00

City of Madera	Access Compliance Assessment Report - Pedestrian Signals

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

Survey Street Cross Street

OLIVE AVE

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2**

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$6150.00

87

STADIUM RD

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

Measurements

ESE 292

ground.

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:

38.0"

· 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	(%)	1.1
	Clear Floor X Slope	(%)	1.0
	Button Ht.	(in)	38.0
	Button Reach	(in)	0.0
l	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	2.0
l	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

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 Reach

Tactile Arrow

Accessible Path

Clear Floor Space

Clear Floor Slope

Clear Floor X Slope (%) 2.5 Button Ht. (in) 39.0 (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 No (y/n) Vibrotactile Feedback No (y/n) Audible Walk Indicator (y/n) No (y/n) No

(y/n)

(y/n)

(%)

(y/n)

No

Yes

Yes

3.0

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

STADIUM RD

Orientation

OLIVE AVE

טו	Orientation	and Proposed Solution
290	NW	Clear Floor Space

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2**

CBC 2019: 11B-302.1

ADA 2010: 302.1

As Built Bassintian

As-Built Description:

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

Existing Access Barrier

- As-is Measurement: 7.1%
- · 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.

Unit Cost Priority \$7950.00 98

/ toooooibio i atti	(3,)	163
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

(v/n)

(y/n)

Measurements

Accessible Path

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

· 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

293 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.

- 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





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

Survey Street Cross Street

STADIUM RD

Orientation and Proposed Solution

OLIVE AVE Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2**

CBC 2019: 11B-305.1

ADA 2010: 305.1

SSW 288

Existing Access Barrier

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:

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 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

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:

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

Survey Street Cross Street

STADIUM RD

signal device exceed 1:48 (2%).

Existing Access Barrier

PECAN AVE

133

and Proposed Solution

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

Codes / Mitigation Info

Measurements

Accessible Path

Clear Floor Space

Audible Walk Indicator

Button Locator Tone

Tactile Arrow

· As-Built Description:

ID Orientation

ENE Clear Floor Space

> ADA 2010: 302.1 CBC 2019: 11B-302.1

ADAAG: 4.3.7

PROWAG: **R404.2**

Unit Cost

Priority

\$7950.00	
82	

Clear Floor Slope	(%)	8.0
Clear Floor X Slope	(%)	5.9
Button Ht.	(in)	39.5
Button Reach	(in)	13.0
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)

(y/n) No

(y/n) No

(y/n)

No

Yes

Yes

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

· 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.

5.9%

· 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

Push Button Reach Range **ESE** 126

· 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)

<10ft

>10ft

Survey Street Cross Street

STADIUM RD

PECAN AVE

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

74

Existing Access Barrier and Proposed Solution

132

ID Orientation

NNE 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 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
1	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	2.0
l	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:

· 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 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	(%)	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

Survey Street Cross Street

STADIUM RD

ID Orientation

ADAAG: 4.3.7

PROWAG: **R404.2**

ADA 2010: 302.1 CBC 2019: 11B-302.1

PECAN AVE Existing Access Barrier Codes / Mitigation Info

SSE 127

and Proposed Solution Clear Floor Space

· As-Built Description:

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

- 3.3% · 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. **Unit Cost Priority**

\$7950.00 74

Measurements

1.5 - 6.0 ft from curb

Accessible Path

10 ft minimum separation

Accessible Path	(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	(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

No

>10ft

(y/n)

(v/n)

>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. 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

0.00	
•	

Accessible Falli		(y/11)	res	
Clear Floor Spa	ce	(y/n)	Yes	
Clear Floor Slop	е	(%)	3.9	
Clear Floor X SI	ope	(%)	0.5	
Button Ht.		(in)	39.0	
Button Reach		(in)	5.0	
Button Diameter	-	(in)	2.0	
Button Pressure		(lbs)	2.0	
Closed Fist Ope	ration	(y/n)	Yes	
Visual Contrast		(y/n)	Yes	
Contrasting Cold	or Bands	(y/n)	No	
Vibrotactile Fee	dback	(y/n)	No	
Audible Walk Inc	dicator	(y/n)	No	
Button Locator	Γone	(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

· 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.





Survey Street Cross Street

STADIUM RD

Orientation

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

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.

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 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.





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
l	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 **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:

· 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**

Unit Cost Priority

\$795

0.00	١
3	
•	

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	(%)	4.0
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 Barra and Proposed Solution	Codes / Williagion into - Wieasurements	
Total Costs for Pedestri	an 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

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

Measurements

NE 175

Clear Floor Space

ADAAG: 4.3.7 · As-Built Description: ADA 2010: 302.1 The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).

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 Yes 10 ft minimum separation N/A

7.2% · 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.

· 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

\$3030.00

54

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.





		Ψ1,00010
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

Yes

N/A

Survey Street

SUNRISE AVE

TOZER ST

Cross Street

ID Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

173 · As-Built Description:

NE Clear Floor Space

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

4.6% · 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: 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

· 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>	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 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

ID Orientation and Proposed Solution

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

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

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 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.





	Weasurements		
	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.6
	Clear Floor X Slope	(%)	0.3
	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

Magguramante

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: Sunrise Ave and Tozer St

\$13,920.00

Total Cost for Street:

Sunrise Ave

\$21,870.00

Unit Cost

Priority

Survey Street Cross Street

SUNSET AVE

Existing Access Barrier ID Orientation and Proposed Solution

LIBERTY LN Codes / Mitigation Info

CBC 2019: 11B-703.7.2.7

\$6150.00

52

· As-Built Description:

Ε Color Coding 79

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

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.





Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 1.3 Clear Floor X Slope (%) 1.0 Button Ht. (in) 42.0 **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** No (y/n) Tactile Arrow (y/n) No Within 5 ft from crosswalk Yes (y/n)15 - 60 ft from curb Yes (y/n)

10 ft minimum separation

Total Costs for Pedestrian Signals at: Sunset Ave and Liberty Ln

\$12,300.00

N/A

\$12,300.00 **Sunset Ave Total Cost for Street:**

N/A

Unit Cost

Priority

Survey Street Cross Street

VALENCIA AVE

PECAN AVE

and Proposed Solution 157 NW Color Coding

Codes / Mitigation Info

CBC 2019: 11B-703.7.2.7

\$6150.00

64

· As-Built Description:

ID 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.

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.



Unit Cost

Priority

CBC 2019: 11B-703.7.2.7

\$6150.00

61

	weasurements		
	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

Moseuromonte

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	(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: 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:

· 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

92

indudui dinidika		
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
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

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

ID 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:

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	
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 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)

No

<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 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

4	7	

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:

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	(%)	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

ID Orientation

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

\$6150.00

85

Survey Street

Existing Access Barrier

N GATEWAY DR W 4TH ST

and Proposed Solution SE Push Button Reach Range 46

· 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 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

<i>l</i> leasurements	

1.5 - 6.0 ft from curb

10 ft minimum separation

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

(y/n)

Yes

>10ft

Push Button Reach Range

SW · 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:

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	(%)	0.9
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
	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)

Prepared by Sally Swanson Architects, Inc. Project #

Cross Street

Survey Street

W 4TH ST

ID Orientation

N GATEWAY 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

\$7950.00

87

Existing Access Barrier and Proposed Solution

SW 50

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 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.





Measurements

	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
	Button Diameter	(in)	2.0
	Button Pressure	(lbs)	0.0
l	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 W 49

· 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 87

0.00	ı
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	١.

· 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.





(y/n)	Yes
(y/n)	Yes
(%)	2.3
(%)	0.8
(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)

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**

<u>Push Button Reach 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 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

N

61

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	(%)	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

Cross Street Survey Street

W 4TH ST

NHST

and Proposed Solution S 60

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

Codes / Mitigation Info

Measurements

Accessible Path

Clear Floor Space

Button Locator Tone

Tactile Arrow

· As-Built Description:

ID Orientation

Push Button Reach Range

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

Unit Cost \$6150.00 **Priority** 78

Clear Floor Slope	(%)	0.2
Clear Floor X Slope	(%)	0.0
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

(v/n)

(y/n)

(y/n)

No

Yes

Yes

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

ground.

40.0"

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

Existing Access Barrier

· 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 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

62	W	<u>Push</u>	<u>Button</u>	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	(%)	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

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2**

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$6150.00

84

W 6TH ST

S GATEWAY DR

ID Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

NE

Push Button Reach Range

263 · 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	(%)	0.5
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)	Yes

(y/n)

(y/n)

(y/n)

(%)

(y/n)

Yes

Yes

1.1

3.7

40.0

0.0

2.0

2.0

Yes

Yes

No (y/n)

Yes

>10ft

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

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

	Clear Floor X Slope	(%)
	Button Ht.	(in)
	Button Reach	(in)
Ì	Button Diameter	(in)
İ	Button Pressure	(lbs)
Į	Closed Fist Operation	(y/n)

Accessible Path

Clear Floor Space

Clear Floor Slope

Visual Contrast

Tactile Arrow

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





Cross Street

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2**

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$7950.00

87

W 6TH ST

Orientation

S GATEWAY DR

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

NNW 258

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.





Measurements

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
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

Clear Floor Space NW 259

· 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 86

	Button Reach
)	Button Diameter
	Button Pressure

Button Ht.

Accessible Path

Clear Floor Space

Clear Floor Slope

Clear Floor X Slope

Closed Fist Operation

Visual Contrast

(in) 2.0 (lbs) 5.0 (y/n) Yes (y/n) Yes No (y/n)

(y/n)

(y/n)

(%)

(%)

(in)

(in)

Yes

Yes

0.9

2.2

40.0

0.0

Contrasting Color Bands 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 >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.





Cross Street

W 6TH ST

Orientation

S GATEWAY DR

		and Proposed Solution
264	SE	Clear Floor Space

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2**

Unit Cost

Priority

CBC 2019: 11B-305.1

\$7950.00

86

ADA 2010: 305.1

Measurements

Accessible Path

Button Reach

Button Diameter

Button Pressure

Visual Contrast

Clear Floor Space

(y/n) Yes (y/n)

Yes (%) 3.2 0.2

Clear Floor Slope Clear Floor X Slope (%) Button Ht.

(in) 40.0 (in) 0.0 (in)

2.0 (lbs) 2.0 **Closed Fist Operation** (y/n) Yes (y/n) Yes Contrasting Color Bands (y/n) No

>10ft

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

· 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.

· 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.





62	SSE	Clear Floor Space
02	00	Ologi i logi opaco

· As-Built Description:

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

· As-is Measurement: 3.0%

· 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: 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:

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

W 6TH ST

S GATEWAY DR

CBC 2019: 11B-703.7.2.7

\$6150.00

77

ID	Orientation	Existin	
יטו	Orientation	and Pr	
	COM	Calar	

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

Measurements

261 **SSW** <u>Co</u>

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.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2**

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$6150.00

74

	Wedsurements		
	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
l	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

260 **SW**

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	(%)	1.9
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 separation		>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

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

66

Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info Measurements

ENE 196

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.





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

(y/n)

(y/n)

(y/n)

(%)

(%)

(in)

(in)

(in)

(lbs)

(y/n)

Yes

Yes

1.6

2.3

39.0

0.0

2.0

0.0

No (y/n)

No

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

Button Ht.
Button Reach
Button Diameter
Button Pressure

Tactile Arrow

Accessible Path

Clear Floor Space

Clear Floor Slope

Clear Floor X Slope

Tactile Arrow

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





Cross Street

Codes / Mitigation Info

ADAAG: 4.3.7

PROWAG: **R404.2**

CBC 2019: 11B-302.1

ADA 2010: 302.1

W CLARK

Orientation

COUNTRY CLUB DR

and Proposed Solution NNE 195

Clear Floor Space

Existing Access Barrier

· As-Built Description:

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

- 3.2% 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. **Unit Cost** Priority

\$7950.00
70

Measurements

	Accessible Path Clear Floor Space Clear Floor Slope Clear Floor X Slope	(y/n) (y/n) (%) (%)	Yes Yes 1.4 3.2
	Button Ht.	(in)	40.0
	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 No 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. 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

NNW 193

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

>10ft

Survey Street Cross Street

Orientation

ADAAG: 4.3.7

PROWAG: **R404.2**

CBC 2019: 11B-305.1

ADA 2010: 305.1

W CLARK COUNTRY CLUB DR

SSE Clear Floor Space 198

Existing Access Barrier Codes / Mitigation Info and Proposed Solution

· 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. **Unit Cost Priority**

\$7950.00 68

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
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

Accessible Path

or Floor Cooce

Within 5 ft from crosswalk

10 ft minimum separation

1.5 - 6.0 ft from curb

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.





192

· 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 64

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	
Tablic / lifew	(y , 1 1)	140	

(y/n)

Yes

Yes >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.





Existing Access Barrier

Cross Street

ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2**

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$6150.00

62

W CLARK ST COUNTRY CLUB DR

Orientation and Proposed Solution **WNW** Push Button Reach Range 194

Codes / Mitigation Info

· 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. 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
1	Button Pressure	(lbs)	0.0
1	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

Measurements

1.5 - 6.0 ft from curb

10 ft minimum separation

WSW Push Button Reach Range 191

· 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.

38.2" · 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	(%)	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	
W CLARK ST	COUNTRY CLUB DR	

W CLARK 51		CO	COUNTRY CLUB DR		
	ID Orientation Existing Access Barrier and Proposed Solution	Codes	/ Mitigation Info	Measurements	
	Total Cost for Street:	W Clark St			\$56,400.00

ID Orientation

209

Cross Street

N GATEWAY DR

\$4050.00

63

Codes / Mitigation Info

ADAAG: 4.2.5

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

PROWAG: R406.2

Unit Cost

Priority

W CLEVELAND AVE

CLEVELAND AVE

Existing Access Barrier and Proposed Solution

Push Button Reach Range

• As-Built Description:

NE

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

Measurements

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

N GATEWAY DR

\$4050.00

81

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

Unit Cost

Priority

W CLEVELAND AVE

Existing Access Barrier ID Orientation and Proposed Solution

SE Push Button Reach Range

· As-Built Description:

214

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

Measurements

	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	1.7
	Clear Floor X Slope	(%)	0.7
	Button Ht.	(in)	41.0
	Button Reach	(in)	0.0
	Button Diameter	(in)	2.0
l	Button Pressure	(lbs)	1.0
ı	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 Messag
	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

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 Mess	ag
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

N GATEWAY DR

\$4050.00

73

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

Unit Cost

Priority

W CLEVELAND AVE

Orientation

Existing Access Barrier and Proposed Solution

WNW Push Button Reach Range

· As-Built Description:

211

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.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: R406.2

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$4050.00

86

Measurements

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
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

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.

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 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
	(y/n)	Yes
Tactile Arrow	(),,	
Tactile Arrow Within 5 ft from crosswalk	(y/n)	Yes
		Yes Yes

10 ft minimum separation

Total Costs for Pedestrian Signals at: W Cleveland Ave and N Gateway Dr

\$24,300.00

>10ft

Cross Street

W CLEVELAND AVE

N SCHNOOR AVE

ID Orientation

Existing Access Barrier and Proposed Solution

Codes / Mitigation Info

Measurements

101 **ENE**

Push Button Reach Range

ADAAG: **4.2.5** 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 ground.

PROWAG: **R406.2**

Unit Cost Priority

\$7950.00	_
73	_

As-is Measurement:

Proposed Solution:

· As-Built Description:

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

39.5"

· 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

	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
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

102 **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.

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
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

W CLEVELAND AVE

N SCHNOOR AVE

Orientation

Existing Access Barrier and Proposed Solution

NNE 100

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

Codes / Mitigation Info

PROWAG: **R404.2**

2.9%

Unit Cost

Priority

\$7950.00 73

As-is Measurement:

signal device exceed 1:48 (2%).

· 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. 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	(%)	8.0
	Clear Floor X Slope	(%)	2.9
	Button Ht.	(in)	39.5
	Button Reach	(in)	0.0
7	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
)	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

NNW 98

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. 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

Orientation

Existing Access Barrier and Proposed Solution

103

SSE

Clear Floor Space

· As-Built Description:

The 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.

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

Codes / Mitigation Info

Unit Cost Priority

\$7950.00	
82	

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

(y/n)

(y/n)

Yes

Yes

<10ft

Within 5 ft from crosswalk

10 ft minimum separation

1.5 - 6.0 ft from curb

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. 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.





Clear Floor Space SSW 104

· 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

950.00	
82	l

· 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.





(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)	Yes
	<10ft
	(y/n) (%) (in) (in) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

Yes

Yes

1.5

(v/n)

(y/n)

(%)

Survey Street

Cross Street

W CLEVELAND AVE

N SCHNOOR AVE

WNW 99

Existing Access Barrier and Proposed Solution

Push Button Reach Range

Codes / Mitigation Info

ADAAG: 4.2.5

ADA 2010: 308.2.1

Measurements

Accessible Path

Clear Floor Space

Clear Floor Slope

Orientation

· 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**

Unit Cost \$6150.00 **Priority** 71

	Clear Floor X Slope	(%)	0.3
	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
	Vibrotactila Foodback	(v/n)	No

No No Vibrotactile Feedback (y/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) Yes 10 ft minimum separation <10ft

· As-is Measurement:

40.0"

· 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. 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 a button locator tone.





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

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
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
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 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.





>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

208

N

device exceed 1:48 (2%).

Clear Floor Space

· As-Built Description: The slope of the floor or ground surface at the pedestrian signal

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

207	S	Color Coding
207	_	O O I O O O O I I I I I

· 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.





CBC 2019: 11B-703.7.2.7 \$6150.00

97

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

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: R406.2

\$6150.00

111

Unit Cost

Priority

Survey Street Cross Street W YOSEMITE AVE N Q ST **Existing Access Barrier ID** Orientation Codes / Mitigation Info Measurements 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.

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 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.

Z V	



	Accessible Path	(y/n)	Yes
	Clear Floor Space	(y/n)	Yes
	Clear Floor Slope	(%)	0.7
	Clear Floor X Slope	(%)	0.8
	Button Ht.	(in)	50.0
	Button Reach	(in)	0.0
l	Button Diameter	(in)	0.5
l	Button Pressure	(lbs)	5.0
ı	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)	No
	1.5 - 6.0 ft from curb	(y/n)	No
	10 ft minimum separation		<10ft

Survey Street Cross Street

W YOSEMITE AVE

N Q 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

106

ESE Push Button Reach Range 23

· 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:

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	_

(v/n)No

(y/n) No

Measurements

Vibrotactile Feedback

Audible Walk Indicator

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:

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. 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

N/A

Survey Street Cross Street

W YOSEMITE AVE

N Q ST

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2**

\$6150.00

94

Unit Cost

Priority

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

- 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 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

Measurements

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.0
Clear Floor X Slope	(%)	0.0
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

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.





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

N/A

\$36,900.00

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





man autur 3

10 ft minimum separation

Survey Street Cross Street

W YOSEMITE AVE

SIST

ADAAG: 4.2.5

ADA 2010: 308.2.1 CBC 2019: 11B-308.2.1

PROWAG: **R406.2**

\$6150.00

105

Unit Cost

Priority

Existing Access Barrier Codes / Mitigation Info and Proposed Solution

Ε · As-Built Description:

ID Orientation

29

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

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 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

92

Measurements

(y/n)	Yes
(y/n)	Yes
(%)	1.9
(%)	0.2
(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) (in) (lbs) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n) (y/n)

Push Button Reach Range N 32

· 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.

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.





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

Survey Street Cross Street W YOSEMITE AVE SIST **Existing Access Barrier ID** Orientation Codes / Mitigation Info Measurements and Proposed Solution NE Accessible Path (y/n) Clear Floor Space 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 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.





<10ft

Survey Street Cross Street

W YOSEMITE AVE

SIST

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

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.

Unit Cost Priority \$7950.00 94

Measurements

	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
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

· 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 S <u>Push Button Reach 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:
- 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 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

ID Orientation

Survey Street Cross Street

W YOSEMITE AVE

SIST

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

105

Measurements

SE 30

ground.

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:

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.





ADAAG: 4.2.5

ADA 2010: 308.2.1

PROWAG: **R406.2**

Unit Cost

Priority

CBC 2019: 11B-308.2.1

\$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	(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 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:

· 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 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) (in) (lbs) (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 ID** 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

Total Cost for Street: W Yosemite Ave \$89,700.00

Total Cost for City Pedestrian Signals:

\$1,484,850.00