



# City of Chowchilla

## Pedestrian Signals

### Access Compliance Survey Report

DRAFT





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## NAVIGATION & LEGEND

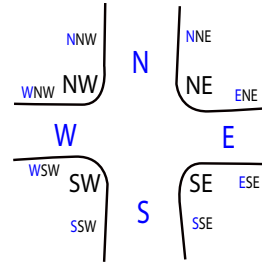
# NAVIGATION

City of Chowchilla		Access Compliance Assessment Report - Pedestrian Signals								15th St																																																						
Survey Street				Cross Street																																																												
15TH ST				ROBERTSON BLVD																																																												
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info				Measurements																																																									
4	SSE	Clear Floor Space	ADAAG: 4.3.7 ADA 2010: 302.1 CBC 2016: 11B-302.1 PROWAG: R404.2  Unit Cost: \$7950.00 Priority: TBD				<table border="1"> <tr><td>Accessible Path</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Clear Floor Space</td><td>(y/n)</td><td>Less</td></tr> <tr><td>Clear Floor Slope</td><td>(%)</td><td>0.3</td></tr> <tr><td>Clear Floor X Slope</td><td>(%)</td><td><b>2.8</b></td></tr> <tr><td>Button Ht.</td><td>(in)</td><td>45.5</td></tr> <tr><td>Button Reach</td><td>(in)</td><td>0.0</td></tr> <tr><td>Button Diameter</td><td>(in)</td><td>2.0</td></tr> <tr><td>Button Pressure</td><td>(lbs)</td><td>0.0</td></tr> <tr><td>Closed Fist Operation</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Visual Contrast</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Contrasting Color Bands</td><td>(y/n)</td><td>No</td></tr> <tr><td>Vibrotactile Feedback</td><td>(y/n)</td><td>No</td></tr> <tr><td>Audible Walk Indicator</td><td>(y/n)</td><td>No</td></tr> <tr><td>Button Locator Tone</td><td>(y/n)</td><td>No</td></tr> <tr><td>Tactile Arrow</td><td>(y/n)</td><td>No</td></tr> <tr><td>Within 5 ft from crosswalk</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>1.5 - 6.0 ft from curb</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>10 ft minimum separation</td><td></td><td>&gt;10ft</td></tr> </table>				Accessible Path	(y/n)	Yes	Clear Floor Space	(y/n)	Less	Clear Floor Slope	(%)	0.3	Clear Floor X Slope	(%)	<b>2.8</b>	Button Ht.	(in)	45.5	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
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<ul style="list-style-type: none"> <li><b>As-Built Description:</b> The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><b>As-is Measurement:</b> 2.8%</li> <li><b>Proposed Solution:</b> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><b>Additional Items:</b> Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device with the pedestrian pushbutton. Provide a button locator tone.</li> </ul>		 																																																														

- Locator Number:** Corresponds to a unique database record tied to the specific pedestrian signal which can be crossreferenced across this database and its corresponding FileMaker Pro and GIS databases.
- Orientation:** Corresponds to the specific corner/pedestrian signal in any given intersection, unique to each corner:
  - NW, SW, SE, and NE are the most commonly used directions;
  - NNE, ENE, ESE, SSE, SSW, WSW, WNW, and NNW identify individual pedestrian signal system in situations involving multiple signal systems at one corner;
  - I-NW, I-NE, I-SW, I-SE, etc, identify pedestrian signal systems located on medians and pedestrian refuge island.
- Survey Street:** Survey street name.
- As-Built Description:** Description of as-built barrier based on applicable accessibility codes.
- As-is Measurement:** Existing condition/dimension featured on the signal system measured as the most severe barrier on the particular signal.
- Proposed Solution:** Description of steps necessary to remove barrier and, if applicable, an interim solution or notes.
- Cross Street :** Cross/intersecting street name.
- Codes / Info:**
  - 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 2016 California Building Code
- Unit Cost:** 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:** Priority number assigned to specific barrier based on prioritization criteria which include: expected frequency of use and severity of the barrier. Measured on a scale of 0 to 200, with 200 being the highest priority and 0 being the least.
- Ped. Signal Features:** Features of the pedestrian signal system measured to determine accessibility.
- Measurements:** 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

## LEGEND ABBREVIATIONS

ADA	Americans with Disabilities Act
ADAAG	ADA Accessibility Guidelines
CBC	California Building Code
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 overlapping issue; indicates no addition cost required for mitigation
S	South
SE	Southeast
SF	Square foot
SW	Southwest
TBD	To be determined
W	West





## COST SUMMARY

<b>Total Cost for Street: 11th St</b>	<b>\$50,250.00</b>
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Intersection:

Orientation:

	<b>11th St and Robertson Blvd</b>	<b>\$50,250.00</b>
	25 E	\$7,950.00
	31 N	\$6,150.00
	30 NW	\$7,950.00
	27 S	\$6,150.00
	26 SE	\$7,950.00
	28 SW	\$6,150.00
	29 W	\$7,950.00

<b>Total Cost for Street: 15th St</b>	<b>\$61,800.00</b>
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Intersection:

Orientation:

	<b>15th St and Robertson Blvd</b>	<b>\$61,800.00</b>
	2 ENE	\$7,950.00
	3 ESE	\$7,950.00
	1 NNE	\$6,150.00
	8 NNW	\$7,950.00
	4 SSE	\$7,950.00
	5 SSW	\$7,950.00
	7 WNW	\$7,950.00
	6 WSW	\$7,950.00

<b>Total Cost for Street: 5th St</b>	<b>\$21,840.00</b>
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Intersection:

Orientation:

	<b>5th St and Robertson Blvd</b>	<b>\$21,840.00</b>
	23 E	\$2,730.00
	21 N	\$2,730.00
	22 NE	\$2,730.00
	20 NW	\$2,730.00
	18 S	\$2,730.00
	24 SE	\$2,730.00
	17 SSE	\$2,730.00
	19 W	\$2,730.00

<b>Total Cost for Street: Chowchilla Blvd</b>	<b>\$54,600.00</b>
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Intersection:

Orientation:

	<b>Chowchilla Blvd and Robertson Blvd</b>	<b>\$54,600.00</b>
	12 E	\$6,150.00
	14 N	\$7,950.00
	13 NE	\$7,950.00
	15 NW	\$7,950.00
	9 S	\$6,150.00
	11 SE	\$6,150.00
	10 SW	\$6,150.00
	16 W	\$6,150.00

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***Total Cost for County Pedestrian Signals:***

**\$188,490.00**

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## SURVEY DATA

Survey Street		Cross Street		
<b>11TH ST</b>		<b>ROBERTSON BLVD</b>		
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
25	E	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>302.1</b> CBC 2016: <b>11B-302.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 0.3 Clear Floor X Slope (%) <b>2.2</b>
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>2.2%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Remount push button to between 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 tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device with the pedestrian pushbutton. Provide a button locator tone.</li> </ul>		Unit Cost <b>\$7950.00</b> Priority TBD	Button Ht. (in) 36.0 Button Reach (in) 0.0 Button Diameter (in) 2.0 Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) <b>No</b> Audible Walk Indicator (y/n) <b>No</b> Button Locator Tone (y/n) <b>No</b> Tactile Arrow (y/n) <b>No</b>	
				Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation N/A



31	N	<u>Push Button Reach Range</u>	ADAAG: <b>4.2.5</b> ADA 2010: <b>308.2.1</b> CBC 2016: <b>11B-308.2.1</b> PROWAG: <b>R406.2</b> MUTCD: <b>4E.08.04F</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 1.9 Clear Floor X Slope (%) 0.8
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> Where a forward reach is unobstructed, the forward reach is less than 42" or more than 48" above the ground.</li> <li><i>As-is Measurement:</i> <b>36.0"</b></li> <li><i>Proposed Solution:</i> Reposition the pedestrian signal device to be greater than 42" and less than 48" from the ground.</li> <li><i>Additional Items:</i> Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device with the pedestrian pushbutton. Provide a button locator tone.</li> </ul>		Unit Cost <b>\$6150.00</b> Priority TBD	Button Ht. (in) 36.0 Button Reach (in) 0.0 Button Diameter (in) 2.0 Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) <b>No</b> Audible Walk Indicator (y/n) <b>No</b> Button Locator Tone (y/n) <b>No</b> Tactile Arrow (y/n) <b>No</b>	
				Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation N/A



Survey Street		Cross Street		
<b>11TH ST</b>		<b>ROBERTSON BLVD</b>		
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
30	NW	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>302.1</b> CBC 2016: <b>11B-302.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 0.8 Clear Floor X Slope (%) <b>3.8</b>
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>3.8%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Remount push button to between 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 tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device with the pedestrian pushbutton. Provide a button locator tone.</li> </ul>		Unit Cost <b>\$7950.00</b> Priority TBD	Button Ht. (in) 36.0 Button Reach (in) 0.0 Button Diameter (in) 2.0 Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) <b>No</b> Audible Walk Indicator (y/n) <b>No</b> Button Locator Tone (y/n) <b>No</b> Tactile Arrow (y/n) <b>No</b> Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation <b>&gt;10ft</b>	



27	S	<u>Push Button Reach Range</u>	ADAAG: <b>4.2.5</b> ADA 2010: <b>308.2.1</b> CBC 2016: <b>11B-308.2.1</b> PROWAG: <b>R406.2</b> MUTCD: <b>4E.08.04F</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 0.5 Clear Floor X Slope (%) 2.0
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> Where a forward reach is unobstructed, the forward reach is less than 42" or more than 48" above the ground.</li> <li><i>As-is Measurement:</i> <b>36.0"</b></li> <li><i>Proposed Solution:</i> Reposition the pedestrian signal device to be greater than 42" and less than 48" from the ground.</li> <li><i>Additional Items:</i> Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a tactile arrow aligned parallel to the crosswalk direction on the sign. Relocate the pedestrian signal device to be at least or greater than 10' from other pedestrian signal devices. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone.</li> </ul>		Unit Cost <b>\$6150.00</b> Priority TBD	Button Ht. (in) 36.0 Button Reach (in) 6.0 Button Diameter (in) <b>0.5</b> Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) <b>No</b> Audible Walk Indicator (y/n) <b>No</b> Button Locator Tone (y/n) <b>No</b> Tactile Arrow (y/n) <b>No</b> Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation <b>&lt;10ft</b>	






Survey Street		Cross Street		
<b>11TH ST</b>		<b>ROBERTSON BLVD</b>		
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
26	<b>SE</b>	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>305.1</b> CBC 2016: <b>11B-305.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) <b>3.5</b> Clear Floor X Slope (%) 0.5
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>3.5%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Remount push button to between 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 tactile arrow aligned parallel to the crosswalk direction on the sign. Relocate the pedestrian signal device to be at least or greater than 10' from other pedestrian signal devices. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device with the pedestrian pushbutton. Provide a button locator tone.</li> </ul>		Unit Cost <b>\$7950.00</b> Priority TBD	Button Ht. (in) 36.0 Button Reach (in) 5.0 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) <b>No</b> Vibrotactile Feedback (y/n) <b>No</b> Audible Walk Indicator (y/n) <b>No</b> Button Locator Tone (y/n) <b>No</b> Tactile Arrow (y/n) <b>No</b> Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation <10ft	





28	<b>SW</b>	<u>Push Button Reach Range</u>	ADAAG: <b>4.2.5</b> ADA 2010: <b>308.2.1</b> CBC 2016: <b>11B-308.2.1</b> PROWAG: <b>R406.2</b> MUTCD: <b>4E.08.04F</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 0.5 Clear Floor X Slope (%) 2.0
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> Where a forward reach is unobstructed, the forward reach is less than 42" or more than 48" above the ground.</li> <li><i>As-is Measurement:</i> <b>36.0"</b></li> <li><i>Proposed Solution:</i> Reposition the pedestrian signal device to be greater than 42" and less than 48" from the ground.</li> <li><i>Additional Items:</i> Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device with the pedestrian pushbutton. Provide a button locator tone.</li> </ul>		Unit Cost <b>\$6150.00</b> Priority TBD	Button Ht. (in) 36.0 Button Reach (in) 0.0 Button Diameter (in) 2.0 Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) <b>No</b> Audible Walk Indicator (y/n) <b>No</b> Button Locator Tone (y/n) <b>No</b> Tactile Arrow (y/n) <b>No</b> Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation <b>&gt;10ft</b>	



Survey Street		Cross Street		
<b>11TH ST</b>		<b>ROBERTSON BLVD</b>		
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
29	<b>W</b>	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>305.1</b> CBC 2016: <b>11B-305.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) <b>4.7</b> Clear Floor X Slope (%) <b>2.4</b>
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>4.7%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Remount push button to between 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 tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device with the pedestrian pushbutton. Provide a button locator tone.</li> </ul>		Unit Cost <b>\$7950.00</b> Priority <b>TBD</b>	Button Ht. (in) 36.0 Button Reach (in) 0.0 Button Diameter (in) 2.0 Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) <b>No</b> Audible Walk Indicator (y/n) <b>No</b> Button Locator Tone (y/n) <b>No</b> Tactile Arrow (y/n) <b>No</b> Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation <b>&gt;10ft</b>	
				
<b>Total Costs for Pedestrian Signals at: 11th St and Robertson Blvd</b>			<b>\$50,250.00</b>	
<b>Total Cost for Street: 11th St</b>			<b>\$50,250.00</b>	

Survey Street		Cross Street		
<b>15TH ST</b>		<b>ROBERTSON BLVD</b>		
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
2	<b>ENE</b>	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>302.1</b> CBC 2016: <b>11B-302.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 0.2 Clear Floor X Slope (%) <b>3.1</b>
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>3.1%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device 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.</li> </ul>		Unit Cost <b>\$7950.00</b> Priority TBD	Button Ht. (in) 46.0 Button Reach (in) 0.0 Button Diameter (in) <b>0.5</b> Button Pressure (lbs) 5.0 Closed Fist Operation (y/n) <b>No</b> Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) <b>No</b> Audible Walk Indicator (y/n) <b>No</b> Button Locator Tone (y/n) <b>No</b> Tactile Arrow (y/n) <b>No</b>	
 			Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation <b>&gt;10ft</b>	



3	<b>ESE</b>	<u>Push Button Operation</u>	ADAAG: <b>4.27.4</b> ADA 2010: <b>309.4</b> CBC 2016: <b>11B-309.4</b> PROWAG: <b>R403.4</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Less Clear Floor Slope (%) 1.0 Clear Floor X Slope (%) 1.5
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> Operable part(s) require tight grasping, pinching, or twisting of the wrist with one hand.</li> <li><i>Proposed Solution:</i> Modify or replace the operable part(s) to not require tight grasping, pinching, or twisting of the wrist with one hand.</li> <li><i>Additional Items:</i> 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 tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone.</li> </ul>		Unit Cost <b>\$7950.00</b> Priority TBD	Button Ht. (in) 47.0 Button Reach (in) 0.0 Button Diameter (in) <b>0.5</b> Button Pressure (lbs) 5.0 Closed Fist Operation (y/n) <b>No</b> Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) <b>No</b> Audible Walk Indicator (y/n) <b>No</b> Button Locator Tone (y/n) <b>No</b> Tactile Arrow (y/n) <b>No</b>	
 			Within 5 ft from crosswalk (y/n) Yes 1.5 - 6.0 ft from curb (y/n) Yes 10 ft minimum separation <b>&gt;10ft</b>	



Survey Street			Cross Street		
<b>15TH ST</b>			<b>ROBERTSON BLVD</b>		
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info		Measurements
1	<b>NNE</b>	<b>Push Button Operation</b>	ADAAG: <b>4.27.4</b>		Accessible Path (y/n) Yes
		• <i>As-Built Description:</i> Operable part(s) require tight grasping, pinching, or twisting of the wrist with one hand.	ADA 2010: <b>309.4</b>		Clear Floor Space (y/n) Yes
		• <i>Proposed Solution:</i> Modify or replace the operable part(s) to not require tight grasping, pinching, or twisting of the wrist with one hand.	CBC 2016: <b>11B-309.4</b>		Clear Floor Slope (%) 1.7
		• <i>Additional Items:</i> Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone.	PROWAG: <b>R403.4</b>		Clear Floor X Slope (%) 1.8
			Unit Cost <b>\$6150.00</b>		Button Ht. (in) 46.5
			Priority TBD		Button Reach (in) 0.0
					Button Diameter (in) <b>0.5</b>
					Button Pressure (lbs) 5.0
					Closed Fist Operation (y/n) <b>No</b>
					Visual Contrast (y/n) Yes
					Contrasting Color Bands (y/n) <b>No</b>
					Vibrotactile Feedback (y/n) <b>No</b>
					Audible Walk Indicator (y/n) <b>No</b>
					Button Locator Tone (y/n) <b>No</b>
					Tactile Arrow (y/n) <b>No</b>
					Within 5 ft from crosswalk (y/n) Yes
					1.5 - 6.0 ft from curb (y/n) Yes
					10 ft minimum separation <b>&gt;10ft</b>



8	<b>NNW</b>	<b>Push Button Operation</b>	ADAAG: <b>4.27.4</b>		Accessible Path (y/n) Yes
		• <i>As-Built Description:</i> Operable part(s) require tight grasping, pinching, or twisting of the wrist with one hand.	ADA 2010: <b>309.4</b>		Clear Floor Space (y/n) Less
		• <i>Proposed Solution:</i> Modify or replace the operable part(s) to not require tight grasping, pinching, or twisting of the wrist with one hand.	CBC 2016: <b>11B-309.4</b>		Clear Floor Slope (%) 0.1
		• <i>Additional Items:</i> 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 tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device with the pedestrian pushbutton. Provide 2" diameter push button. Provide a button locator tone.	PROWAG: <b>R403.4</b>		Clear Floor X Slope (%) 0.6
			Unit Cost <b>\$7950.00</b>		Button Ht. (in) 46.5
			Priority TBD		Button Reach (in) 0.0
					Button Diameter (in) <b>0.5</b>
					Button Pressure (lbs) 5.0
					Closed Fist Operation (y/n) <b>No</b>
					Visual Contrast (y/n) Yes
					Contrasting Color Bands (y/n) <b>No</b>
					Vibrotactile Feedback (y/n) <b>No</b>
					Audible Walk Indicator (y/n) <b>No</b>
					Button Locator Tone (y/n) <b>No</b>
					Tactile Arrow (y/n) <b>No</b>
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Survey Street			Cross Street																																																																	
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4	<b>SSE</b>	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>302.1</b> CBC 2016: <b>11B-302.1</b> PROWAG: <b>R404.2</b>		<table border="0"> <tr><td>Accessible Path</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Clear Floor Space</td><td>(y/n)</td><td>Less</td></tr> <tr><td>Clear Floor Slope</td><td>(%)</td><td>0.3</td></tr> <tr><td>Clear Floor X Slope</td><td>(%)</td><td><b>2.8</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Button Ht.</td><td>(in)</td><td>45.5</td></tr> <tr><td>Button Reach</td><td>(in)</td><td>0.0</td></tr> <tr><td>Button Diameter</td><td>(in)</td><td>2.0</td></tr> <tr><td>Button Pressure</td><td>(lbs)</td><td>0.0</td></tr> <tr><td>Closed Fist Operation</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Visual Contrast</td><td>(y/n)</td><td>Yes</td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Contrasting Color Bands</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Vibrotactile Feedback</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Audible Walk Indicator</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Button Locator Tone</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Tactile Arrow</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Within 5 ft from crosswalk</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>1.5 - 6.0 ft from curb</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>10 ft minimum separation</td><td></td><td><b>&gt;10ft</b></td></tr> </table>	Accessible Path	(y/n)	Yes	Clear Floor Space	(y/n)	Less	Clear Floor Slope	(%)	0.3	Clear Floor X Slope	(%)	<b>2.8</b>	<hr/>			Button Ht.	(in)	45.5	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	<hr/>			Contrasting Color Bands	(y/n)	<b>No</b>	Vibrotactile Feedback	(y/n)	<b>No</b>	Audible Walk Indicator	(y/n)	<b>No</b>	Button Locator Tone	(y/n)	<b>No</b>	Tactile Arrow	(y/n)	<b>No</b>	<hr/>			Within 5 ft from crosswalk	(y/n)	Yes	1.5 - 6.0 ft from curb	(y/n)	Yes	10 ft minimum separation		<b>&gt;10ft</b>
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6	WSW	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>302.1</b> CBC 2016: <b>11B-302.1</b> PROWAG: <b>R404.2</b>	<table style="width:100%; border-collapse: collapse;"> <tr><td>Accessible Path</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Clear Floor Space</td><td>(y/n)</td><td>Less</td></tr> <tr><td>Clear Floor Slope</td><td>(%)</td><td>0.0</td></tr> <tr><td>Clear Floor X Slope</td><td>(%)</td><td><b>3.2</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Button Ht.</td><td>(in)</td><td>46.0</td></tr> <tr><td>Button Reach</td><td>(in)</td><td>0.0</td></tr> <tr><td>Button Diameter</td><td>(in)</td><td><b>0.5</b></td></tr> <tr><td>Button Pressure</td><td>(lbs)</td><td>5.0</td></tr> <tr><td>Closed Fist Operation</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Visual Contrast</td><td>(y/n)</td><td>Yes</td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Contrasting Color Bands</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Vibrotactile Feedback</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Audible Walk Indicator</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Button Locator Tone</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Tactile Arrow</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Within 5 ft from crosswalk</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>1.5 - 6.0 ft from curb</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>10 ft minimum separation</td><td></td><td><b>&gt;10ft</b></td></tr> </table>	Accessible Path	(y/n)	Yes	Clear Floor Space	(y/n)	Less	Clear Floor Slope	(%)	0.0	Clear Floor X Slope	(%)	<b>3.2</b>	<hr/>			Button Ht.	(in)	46.0	Button Reach	(in)	0.0	Button Diameter	(in)	<b>0.5</b>	Button Pressure	(lbs)	5.0	Closed Fist Operation	(y/n)	<b>No</b>	Visual Contrast	(y/n)	Yes	<hr/>			Contrasting Color Bands	(y/n)	<b>No</b>	Vibrotactile Feedback	(y/n)	<b>No</b>	Audible Walk Indicator	(y/n)	<b>No</b>	Button Locator Tone	(y/n)	<b>No</b>	Tactile Arrow	(y/n)	<b>No</b>	<hr/>			Within 5 ft from crosswalk	(y/n)	Yes	1.5 - 6.0 ft from curb	(y/n)	Yes	10 ft minimum separation		<b>&gt;10ft</b>
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10 ft minimum separation		<b>&gt;10ft</b>																																																																	
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <span style="color: red;">3.2%</span></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device 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.</li> </ul>			Unit Cost <b>\$7950.00</b> Priority TBD																																																																
																																																																			



**Total Costs for Pedestrian Signals at: 15th St and Robertson Blvd \$61,800.00**



Survey Street			Cross Street	
<b>15TH ST</b>			<b>ROBERTSON BLVD</b>	
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
<b>Total Cost for Street:</b>			<b>15th St</b>	<b>\$61,800.00</b>



Survey Street		Cross Street		
<b>5TH ST</b>		<b>ROBERTSON BLVD</b>		
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
23	<b>E</b>	<b>Clear Floor Space</b>	ADAAG: <b>4.3.7</b> ADA 2010: <b>305.1</b> CBC 2016: <b>11B-305.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) <b>9.9</b> Clear Floor X Slope (%) <b>3.5</b>
<ul style="list-style-type: none"> <li><b>As-Built Description:</b> The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><b>As-is Measurement:</b> <b>9.9%</b></li> <li><b>Proposed Solution:</b> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><b>Additional Items:</b> Remount push button to between 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.</li> </ul>		Unit Cost <b>\$2730.00</b> Priority <b>TBD</b>	Button Ht. (in) 36.0 Button Reach (in) 0.0 Button Diameter (in) 2.0 Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) Yes Audible Walk Indicator (y/n) Audible Tone 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 <b>&gt;10ft</b>	
 				



21	<b>N</b>	<b>Clear Floor Space</b>	ADAAG: <b>4.3.7</b> ADA 2010: <b>302.1</b> CBC 2016: <b>11B-302.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) <b>3.6</b> Clear Floor X Slope (%) <b>6.4</b>
<ul style="list-style-type: none"> <li><b>As-Built Description:</b> The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><b>As-is Measurement:</b> <b>6.4%</b></li> <li><b>Proposed Solution:</b> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><b>Additional Items:</b> Remount push button to between 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.</li> </ul>		Unit Cost <b>\$2730.00</b> Priority <b>TBD</b>	Button Ht. (in) 36.0 Button Reach (in) 0.0 Button Diameter (in) 2.0 Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) Yes Audible Walk Indicator (y/n) Audible Tone 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 <b>&gt;10ft</b>	
 				



Survey Street		Cross Street		
<b>5TH ST</b>		<b>ROBERTSON BLVD</b>		
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
22	<b>NE</b>	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>305.1</b> CBC 2016: <b>11B-305.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) <b>18.7</b> Clear Floor X Slope (%) 1.9
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>18.7%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Remount push button to between 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.</li> </ul>		Unit Cost <b>\$2730.00</b> Priority TBD	Button Ht. (in) 36.0 Button Reach (in) 0.0 Button Diameter (in) 2.0 Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) Yes Audible Walk Indicator (y/n) Audible Tone 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 <b>&gt;10ft</b>	
				

20	<b>NW</b>	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>302.1</b> CBC 2016: <b>11B-302.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 0.5 Clear Floor X Slope (%) <b>4.7</b>
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>4.7%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Remount push button to between 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.</li> </ul>		Unit Cost <b>\$2730.00</b> Priority TBD	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) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) Yes Audible Walk Indicator (y/n) Audible Tone 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 <b>&gt;10ft</b>	
				



Survey Street		Cross Street		
<b>5TH ST</b>		<b>ROBERTSON BLVD</b>		
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
18	S	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>305.1</b> CBC 2016: <b>11B-305.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) <b>3.5</b> Clear Floor X Slope (%) <b>2.9</b>
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>3.5%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Remount push button to between 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.</li> </ul>		Unit Cost <b>\$2730.00</b> Priority TBD	Button Ht. (in) 37.0 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) <b>No</b> Vibrotactile Feedback (y/n) Yes Audible Walk Indicator (y/n) Audible Tone 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 <b>&gt;10ft</b>	
 				



24	SE	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>305.1</b> CBC 2016: <b>11B-305.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) <b>16.9</b> Clear Floor X Slope (%) <b>4.5</b>
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>16.9%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Remount push button to between 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.</li> </ul>		Unit Cost <b>\$2730.00</b> Priority TBD	Button Ht. (in) 36.0 Button Reach (in) 0.0 Button Diameter (in) 2.0 Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) Yes Audible Walk Indicator (y/n) Audible Tone 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 <b>&gt;10ft</b>	
 				



Survey Street		Cross Street		
<b>5TH ST</b>		<b>ROBERTSON BLVD</b>		
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
17	<b>SSE</b>	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>302.1</b> CBC 2016: <b>11B-302.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 2.0 Clear Floor X Slope (%) <b>3.5</b>
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>3.5%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Remount push button to between 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.</li> </ul>		Unit Cost <b>\$2730.00</b> Priority TBD	Button Ht. (in) 36.0 Button Reach (in) 0.0 Button Diameter (in) 2.0 Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) Yes Audible Walk Indicator (y/n) Audible Tone 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 <b>&gt;10ft</b>	
 				



19	<b>W</b>	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>305.1</b> CBC 2016: <b>11B-305.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) <b>13.4</b> Clear Floor X Slope (%) <b>3.7</b>
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>13.4%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Remount push button to between 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.</li> </ul>		Unit Cost <b>\$2730.00</b> Priority TBD	Button Ht. (in) 36.0 Button Reach (in) 0.0 Button Diameter (in) 2.0 Button Pressure (lbs) 1.0 Closed Fist Operation (y/n) Yes Visual Contrast (y/n) Yes Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) Yes Audible Walk Indicator (y/n) Audible Tone 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 <b>&gt;10ft</b>	
 				

<b>Total Costs for Pedestrian Signals at: 5th St and Robertson Blvd</b>		<b>\$21,840.00</b>
<b>Total Cost for Street:</b>	<b>5th St</b>	<b>\$21,840.00</b>



Survey Street		Cross Street																																																																	
CHOWCHILLA BLVD		ROBERTSON BLVD																																																																	
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements																																																															
12	E	<u>Push Button Operation</u>	ADAAG: <b>4.27.4</b> ADA 2010: <b>309.4</b> CBC 2016: <b>11B-309.4</b> PROWAG: <b>R403.4</b>	<table border="0"> <tr><td>Accessible Path</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Clear Floor Space</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Clear Floor Slope</td><td>(%)</td><td>1.0</td></tr> <tr><td>Clear Floor X Slope</td><td>(%)</td><td>1.5</td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Button Ht.</td><td>(in)</td><td>47.0</td></tr> <tr><td>Button Reach</td><td>(in)</td><td>0.0</td></tr> <tr><td>Button Diameter</td><td>(in)</td><td><b>0.5</b></td></tr> <tr><td>Button Pressure</td><td>(lbs)</td><td>2.0</td></tr> <tr><td>Closed Fist Operation</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Visual Contrast</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Contrasting Color Bands</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Vibrotactile Feedback</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Audible Walk Indicator</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Button Locator Tone</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Tactile Arrow</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Within 5 ft from crosswalk</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>1.5 - 6.0 ft from curb</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>10 ft minimum separation</td><td></td><td><b>&gt;10ft</b></td></tr> </table>	Accessible Path	(y/n)	Yes	Clear Floor Space	(y/n)	Yes	Clear Floor Slope	(%)	1.0	Clear Floor X Slope	(%)	1.5	<hr/>			Button Ht.	(in)	47.0	Button Reach	(in)	0.0	Button Diameter	(in)	<b>0.5</b>	Button Pressure	(lbs)	2.0	Closed Fist Operation	(y/n)	<b>No</b>	Visual Contrast	(y/n)	<b>No</b>	<hr/>			Contrasting Color Bands	(y/n)	<b>No</b>	Vibrotactile Feedback	(y/n)	<b>No</b>	Audible Walk Indicator	(y/n)	<b>No</b>	Button Locator Tone	(y/n)	<b>No</b>	Tactile Arrow	(y/n)	<b>No</b>	<hr/>			Within 5 ft from crosswalk	(y/n)	Yes	1.5 - 6.0 ft from curb	(y/n)	Yes	10 ft minimum separation		<b>&gt;10ft</b>
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14	N	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>302.1</b> CBC 2016: <b>11B-302.1</b> PROWAG: <b>R404.2</b>	<table border="0"> <tr><td>Accessible Path</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Clear Floor Space</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Clear Floor Slope</td><td>(%)</td><td>1.6</td></tr> <tr><td>Clear Floor X Slope</td><td>(%)</td><td><b>2.4</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Button Ht.</td><td>(in)</td><td>47.0</td></tr> <tr><td>Button Reach</td><td>(in)</td><td>0.0</td></tr> <tr><td>Button Diameter</td><td>(in)</td><td><b>0.5</b></td></tr> <tr><td>Button Pressure</td><td>(lbs)</td><td>2.0</td></tr> <tr><td>Closed Fist Operation</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Visual Contrast</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Contrasting Color Bands</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Vibrotactile Feedback</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Audible Walk Indicator</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Button Locator Tone</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Tactile Arrow</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Within 5 ft from crosswalk</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>1.5 - 6.0 ft from curb</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>10 ft minimum separation</td><td></td><td><b>&gt;10ft</b></td></tr> </table>	Accessible Path	(y/n)	Yes	Clear Floor Space	(y/n)	Yes	Clear Floor Slope	(%)	1.6	Clear Floor X Slope	(%)	<b>2.4</b>	<hr/>			Button Ht.	(in)	47.0	Button Reach	(in)	0.0	Button Diameter	(in)	<b>0.5</b>	Button Pressure	(lbs)	2.0	Closed Fist Operation	(y/n)	<b>No</b>	Visual Contrast	(y/n)	<b>No</b>	<hr/>			Contrasting Color Bands	(y/n)	<b>No</b>	Vibrotactile Feedback	(y/n)	<b>No</b>	Audible Walk Indicator	(y/n)	<b>No</b>	Button Locator Tone	(y/n)	<b>No</b>	Tactile Arrow	(y/n)	<b>No</b>	<hr/>			Within 5 ft from crosswalk	(y/n)	Yes	1.5 - 6.0 ft from curb	(y/n)	Yes	10 ft minimum separation		<b>&gt;10ft</b>
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CHOWCHILLA BLVD		ROBERTSON BLVD		
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
13	NE	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>305.1</b> CBC 2016: <b>11B-305.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) <b>2.3</b> Clear Floor X Slope (%) 0.1
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>2.3%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide a tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device 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.</li> </ul>		Unit Cost <b>\$7950.00</b> Priority TBD	Button Ht. (in) 48.0 Button Reach (in) 0.0 Button Diameter (in) <b>0.5</b> Button Pressure (lbs) 2.0 Closed Fist Operation (y/n) <b>No</b> Visual Contrast (y/n) <b>No</b>	
				Contrasting Color Bands (y/n) <b>No</b> Vibrotactile Feedback (y/n) <b>No</b> Audible Walk Indicator (y/n) <b>No</b> Button Locator Tone (y/n) <b>No</b> Tactile Arrow (y/n) <b>No</b>
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15	NW	<u>Clear Floor Space</u>	ADAAG: <b>4.3.7</b> ADA 2010: <b>302.1</b> CBC 2016: <b>11B-302.1</b> PROWAG: <b>R404.2</b>	Accessible Path (y/n) Yes Clear Floor Space (y/n) Yes Clear Floor Slope (%) 1.8 Clear Floor X Slope (%) <b>3.0</b>
<ul style="list-style-type: none"> <li><i>As-Built Description:</i> The cross slope of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%).</li> <li><i>As-is Measurement:</i> <b>3.0%</b></li> <li><i>Proposed Solution:</i> Modify or repave the ground surface as necessary to provide slope (s) not exceeding the required 1:48 (2%) maximum in any direction.</li> <li><i>Additional Items:</i> Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide push button which contrasts with surrounding housing. Provide a tactile arrow aligned parallel to the crosswalk direction on the sign. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Integrate the vibrotactile signal device 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.</li> </ul>		Unit Cost <b>\$7950.00</b> Priority TBD	Button Ht. (in) 47.0 Button Reach (in) 0.0 Button Diameter (in) <b>0.5</b> Button Pressure (lbs) 2.0 Closed Fist Operation (y/n) <b>No</b> Visual Contrast (y/n) <b>No</b>	
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9	S	<u>Push Button Operation</u>	ADAAG: <b>4.27.4</b> ADA 2010: <b>309.4</b> CBC 2016: <b>11B-309.4</b> PROWAG: <b>R403.4</b>	<table border="0"> <tr><td>Accessible Path</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Clear Floor Space</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Clear Floor Slope</td><td>(%)</td><td>1.5</td></tr> <tr><td>Clear Floor X Slope</td><td>(%)</td><td>0.6</td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Button Ht.</td><td>(in)</td><td>48.0</td></tr> <tr><td>Button Reach</td><td>(in)</td><td>0.0</td></tr> <tr><td>Button Diameter</td><td>(in)</td><td><b>0.5</b></td></tr> <tr><td>Button Pressure</td><td>(lbs)</td><td>2.0</td></tr> <tr><td>Closed Fist Operation</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Visual Contrast</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Contrasting Color Bands</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Vibrotactile Feedback</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Audible Walk Indicator</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Button Locator Tone</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Tactile Arrow</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Within 5 ft from crosswalk</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>1.5 - 6.0 ft from curb</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>10 ft minimum separation</td><td></td><td><b>&gt;10ft</b></td></tr> </table>	Accessible Path	(y/n)	Yes	Clear Floor Space	(y/n)	Yes	Clear Floor Slope	(%)	1.5	Clear Floor X Slope	(%)	0.6	<hr/>			Button Ht.	(in)	48.0	Button Reach	(in)	0.0	Button Diameter	(in)	<b>0.5</b>	Button Pressure	(lbs)	2.0	Closed Fist Operation	(y/n)	<b>No</b>	Visual Contrast	(y/n)	<b>No</b>	<hr/>			Contrasting Color Bands	(y/n)	<b>No</b>	Vibrotactile Feedback	(y/n)	<b>No</b>	Audible Walk Indicator	(y/n)	<b>No</b>	Button Locator Tone	(y/n)	<b>No</b>	Tactile Arrow	(y/n)	<b>No</b>	<hr/>			Within 5 ft from crosswalk	(y/n)	Yes	1.5 - 6.0 ft from curb	(y/n)	Yes	10 ft minimum separation		<b>&gt;10ft</b>
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16	W	<u>Push Button Operation</u>	ADAAG: <b>4.27.4</b> ADA 2010: <b>309.4</b> CBC 2016: <b>11B-309.4</b> PROWAG: <b>R403.4</b>	<table border="0"> <tr><td>Accessible Path</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Clear Floor Space</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>Clear Floor Slope</td><td>(%)</td><td>0.3</td></tr> <tr><td>Clear Floor X Slope</td><td>(%)</td><td>1.6</td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Button Ht.</td><td>(in)</td><td>48.0</td></tr> <tr><td>Button Reach</td><td>(in)</td><td>0.0</td></tr> <tr><td>Button Diameter</td><td>(in)</td><td><b>0.5</b></td></tr> <tr><td>Button Pressure</td><td>(lbs)</td><td>2.0</td></tr> <tr><td>Closed Fist Operation</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Visual Contrast</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Contrasting Color Bands</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Vibrotactile Feedback</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Audible Walk Indicator</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Button Locator Tone</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td>Tactile Arrow</td><td>(y/n)</td><td><b>No</b></td></tr> <tr><td colspan="3"><hr/></td></tr> <tr><td>Within 5 ft from crosswalk</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>1.5 - 6.0 ft from curb</td><td>(y/n)</td><td>Yes</td></tr> <tr><td>10 ft minimum separation</td><td></td><td><b>&gt;10ft</b></td></tr> </table>	Accessible Path	(y/n)	Yes	Clear Floor Space	(y/n)	Yes	Clear Floor Slope	(%)	0.3	Clear Floor X Slope	(%)	1.6	<hr/>			Button Ht.	(in)	48.0	Button Reach	(in)	0.0	Button Diameter	(in)	<b>0.5</b>	Button Pressure	(lbs)	2.0	Closed Fist Operation	(y/n)	<b>No</b>	Visual Contrast	(y/n)	<b>No</b>	<hr/>			Contrasting Color Bands	(y/n)	<b>No</b>	Vibrotactile Feedback	(y/n)	<b>No</b>	Audible Walk Indicator	(y/n)	<b>No</b>	Button Locator Tone	(y/n)	<b>No</b>	Tactile Arrow	(y/n)	<b>No</b>	<hr/>			Within 5 ft from crosswalk	(y/n)	Yes	1.5 - 6.0 ft from curb	(y/n)	Yes	10 ft minimum separation		<b>&gt;10ft</b>
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<b>Total Costs for Pedestrian Signals at: Chowchilla Blvd and Robertson Blvd</b>		<b>\$54,600.00</b>
<b>Total Cost for Street:</b>	<b>Chowchilla Blvd</b>	<b>\$54,600.00</b>

Survey Street			Cross Street	
<b>CHOWCHILLA BLVD</b>			<b>ROBERTSON BLVD</b>	
ID	Orientation	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
<b>Total Cost for County Pedestrian Signals:</b>				<b>\$188,490.00</b>