



SMCCCD - College of San Mateo

Appendix N: Curb Ramps

Access Compliance Survey Report

DRAFT



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II. Survey Data - Curb Ramps



NAVIGATION & LEGEND

NAVIGATION

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San Mateo College				Access Compliance Survey Report - Curb Ramps					BEETHOVEN LOT 2																																																																									
Year Completed		Survey Street			Cross Street			Priority																																																																										
TBD		Beethoven Lot 2						TBD																																																																										
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227	Perpendicular Ramp Landing	<p>As-Built Description: Running slope at top landing of existing perpendicular curb ramp exceeds the 1.48 (2%) maximum.</p> <p>As-is 2.1%</p> <p>Proposed Solution: Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.</p>			<p>CBC 2016 11B-406.5.3</p> <p>CBC 2007 1127B.5.4</p> <p>ADAAG 4.8.4; 4.8.6</p> <p>PROWAG R304.2.2</p> <p>Unit Cost \$6500.00</p>			<table><tr><td>Width of Ramp / Pad</td><td>(in)</td><td>71.0</td></tr><tr><td>Length of Ramp / Pad</td><td>(in)</td><td>87.0</td></tr><tr><td>Slope of the Ramp / Pad</td><td>(%)</td><td>8.1</td></tr><tr><td>X Slope of the Ramp / Pad</td><td>(%)</td><td>0.6</td></tr><tr><td>Top Landing Length</td><td>(in)</td><td>48.0</td></tr><tr><td>Top Landing Slope</td><td>(%)</td><td>2.1</td></tr><tr><td>Top Landing X Slope</td><td>(%)</td><td>0.1</td></tr></table> <table><tr><td>Left Flare</td><td>(%)</td><td>N/A</td></tr><tr><td>Right Flare</td><td>(%)</td><td>N/A</td></tr><tr><td>Gutter Slope</td><td>(%)</td><td>3.9</td></tr><tr><td>Gutter XSlope</td><td>(%)</td><td>0.0</td></tr><tr><td>Gutter Lip</td><td>(in)</td><td>0.25</td></tr><tr><td>Truncated Domes</td><td>(y/n)</td><td>YES</td></tr><tr><td>Dome Setback</td><td>(in)</td><td>0.0</td></tr></table> <table><tr><td>Street Grade (Left / Right)</td><td>(%)</td><td>0.0</td><td>N/A</td></tr><tr><td>Stop/Yield Control:</td><td></td><td>No</td><td></td></tr><tr><td>Within Crosswalk</td><td>(y/n)</td><td>YES</td><td></td></tr><tr><td>Crosswalks Served:</td><td></td><td>1 X-walk</td><td></td></tr><tr><td>Tee Intersection:</td><td></td><td>No</td><td></td></tr><tr><td>Vertical Curb:</td><td></td><td>Vertical</td><td></td></tr><tr><td>Sidewalk Width:</td><td>(ft)</td><td>6.0</td><td></td></tr></table>					Width of Ramp / Pad	(in)	71.0	Length of Ramp / Pad	(in)	87.0	Slope of the Ramp / Pad	(%)	8.1	X Slope of the Ramp / Pad	(%)	0.6	Top Landing Length	(in)	48.0	Top Landing Slope	(%)	2.1	Top Landing X Slope	(%)	0.1	Left Flare	(%)	N/A	Right Flare	(%)	N/A	Gutter Slope	(%)	3.9	Gutter XSlope	(%)	0.0	Gutter Lip	(in)	0.25	Truncated Domes	(y/n)	YES	Dome Setback	(in)	0.0	Street Grade (Left / Right)	(%)	0.0	N/A	Stop/Yield Control:		No		Within Crosswalk	(y/n)	YES		Crosswalks Served:		1 X-walk		Tee Intersection:		No		Vertical Curb:		Vertical		Sidewalk Width:	(ft)	6.0	
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1. **Locator Number:** Corresponds to a unique database record tied to the specific curb ramp which can be crossreferenced across this database and its corresponding GIS database.
2. **Ramp Type:** Identifies the type of curb ramp (parallel, perpendicular, curb ramp required, etc.).
3. **Specific Item:** Category of accessible feature in which the barrier belongs.
4. **Survey Street:** Survey street name.
5. **Field Condition:** Description of as-built barrier based on applicable accessibility codes.
6. **Measurement:** Existing condition/dimension featured on the ramp measured as the most severe barrier on the particular ramp.
7. **Proposed Solution:** Description of steps necessary to remove barrier and, if applicable, an interim solution or notes.
8. **Cross Street:** Cross/intersecting street name.
9. **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.
 - CBC 2007/ CBC 2016 The California Building Codes.
10. **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)
11. **Ramp Features:** Features of curb ramp measured to determine accessibility.
12. **Measurements:** Existing condition/dimension determined for each ramp.
 - (in) measurement in inches
 - (%) measurement in percentage grade
 - **BOLD** text indicate non-compliant dimensions.
 - Normal text indicate compliant dimensions
13. **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.

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 Accessible 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

MEASUREMENT BREAKDOWN

FEATURE:	ADA/CBC GUIDELINE
Street Grade	<i>Used for reference in regards to possible exceptions</i>
Width of Ramp	The clear width of curb ramp runs (excluding any flared sides), blended transitions, and turning spaces shall be 48 inches minimum.
Slope of the Ramp	Ramp runs shall have a running slope not steeper than 1:12 (8.3%).
X Slope of the Ramp	The cross slope of curb ramps and blended transitions shall be 1:48 (2.0%) maximum.
Top Landing Length	Landings shall be provided at the tops of curb ramps and blended transitions. The landing clear length shall be 48 inches minimum.
Top Landing Slope	The slope of the landing in all directions shall be 1:48 (2.0%) maximum.
Top Landing X Slope	The slope of the landing in all directions shall be 1:48 (2.0%) maximum.
Bottom Landing Length	(Parallel Curb Ramp) A turning space 48 inches minimum by 48 inches minimum shall be provided at the bottom of the curb ramp.
Bottom Landing Slope	(Parallel Curb Ramp) The slope of the turning space in all directions shall be 1:48 (2.0%) maximum.
Bottom Landing X Slope	(Parallel Curb Ramp) The slope of the turning space in all directions shall be 1:48 (2.0%) maximum.
Left Flare	Where provided, curb ramp flares shall not be steeper than 1:10 (10.0%).
Right Flare	Where provided, curb ramp flares shall not be steeper than 1:10 (10.0%).
Gutter Lip	The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.
Gutter Slope	Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be steeper than 1:20 (5.0%).
Gutter X Slope	The cross slope of curb ramps and blended transitions shall be 1:48 (2.0%) maximum.
Truncated Domes	Curb ramps and blended transitions shall have detectable warnings.
Dome Setback	Detectable warnings shall be located so the edge nearest the curb is 6 inches minimum and 8 inches maximum from the line at the face of the curb marking the transition between the curb and the gutter, street or highway or flush at the transition for a parallel curb ramp and island cut-through.
Within Crosswalk	The bottom of curb ramps shall have a clear space 48 inches minimum outside active traffic lanes of the roadway

COST SUMMARY



Total Cost for Street: Aquatics Ln			\$12,000.00
Street Names:	ID:	Type:	
Aquatics Ln and			\$12,000.00
	226	Curb Ramp Required	\$12,000.00
Total Cost for Street: Beethoven Lot 2			\$10,250.00
Street Names:	ID:	Type:	
Beethoven Lot 2 and			\$10,250.00
	232	Perpendicular	\$10,250.00
Total Cost for Street: College Center 10			\$27,000.00
Street Names:	ID:	Type:	
College Center 10 and East Hall 12			\$7,000.00
	270	Blended Transition	\$7,000.00
College Center 10 and Forum Lot 8			\$20,000.00
	275	Perpendicular	\$20,000.00
Total Cost for Street: College Heights Dr			\$10,000.00
Street Names:	ID:	Type:	
College Heights Dr and Aquatics Ln			\$10,000.00
	223	Blended Transition	\$10,000.00
Total Cost for Street: Csm Dr			\$32,500.00
Street Names:	ID:	Type:	
Csm Dr and			\$19,000.00
	215	Parallel	\$19,000.00
Csm Dr and Theater Ln			\$13,500.00
	207	Parallel	\$13,500.00
Total Cost for Street: East Hall 12			\$6,500.00
Street Names:	ID:	Type:	
East Hall 12 and East Hall 12			\$6,500.00
	267	Perpendicular	\$6,500.00

Total Cost for Street: East Perimeter Road			\$68,500.00
Street Names:	ID:	Type:	
East Perimeter Road and Athletic Loop Road			\$10,500.00
	260	Parallel	\$10,500.00
East Perimeter Road and Bulldog Lot 9			\$7,000.00
	282	Curb Ramp Required	\$7,000.00
East Perimeter Road and Bulldog Lot 9A			\$13,500.00
	280	Blended Transition	\$13,500.00
East Perimeter Road and East Perimeter Road			\$37,500.00
	283	Curb Ramp Required	\$37,500.00

Total Cost for Street: Forum Lot 8			\$17,500.00
Street Names:	ID:	Type:	
Forum Lot 8 and East Perimeter Road			\$7,000.00
	265	Curb Ramp Required	\$7,000.00
Forum Lot 8 and Forum Lot 8			\$10,500.00
	278	Perpendicular	\$10,500.00

Total Cost for Street: Galileo Lot 6			\$24,500.00
Street Names:	ID:	Type:	
Galileo Lot 6 and Galileo Lot 6			\$24,500.00
	298	Perpendicular	\$24,500.00

Total Cost for Street: North Hall 18			\$7,000.00
Street Names:	ID:	Type:	
North Hall 18 and Marie Curie Lot 5			\$7,000.00
	295	Curb Ramp Required	\$7,000.00

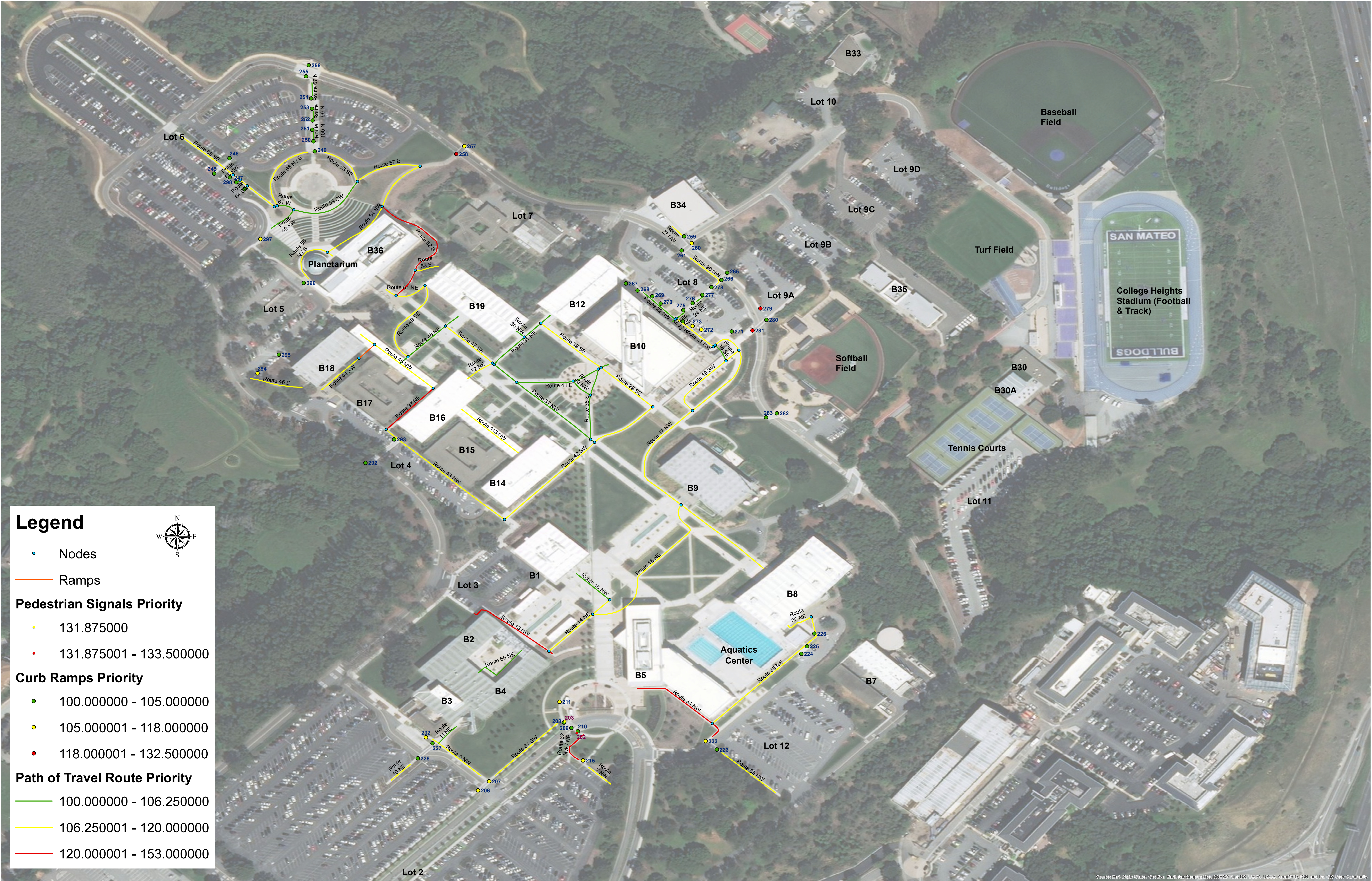
Total Cost for Street: Planetarium			\$6,500.00
Street Names:	ID:	Type:	
Planetarium and Planetarium			\$6,500.00
	296	Perpendicular	\$6,500.00

Total Cost for Street: South Hall 14			\$14,000.00
Street Names:	ID:	Type:	

South Hall 14 and Central Hall 16			\$14,000.00
293	Curb Ramp Required		\$14,000.00
Total Cost for Street: Stadium Lot 11			\$0.00
Street Names:	ID:	Type:	
Stadium Lot 11 and			\$0.00
246	Perpendicular		\$0.00
Total Cost for Street: Marie Curie Lot 5			\$2,500.00
Street Names:	ID:	Type:	
Marie Curie Lot 5 and North Hall 18			\$2,500.00
294	Parallel		\$2,500.00
Total Cost for Curb Ramps:			\$238,750.00



SURVEY DATA



College of San Mateo Path of Travel Routes

0 145 290 580 870 1,160 Feet



Year Completed

Survey Street

Cross Street

TBD

Aquatics Ln

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements																																																									
Perpendicular																																																													
224	Detectable Warnings	<ul style="list-style-type: none">As-Built Description: Detectable warning surface not provided where a curb ramp, landing, blended transition, pedestrian pad, or island cut through connects to a street.Proposed Solution: Install a truncated dome surface that extends the full width and depth (36" min.) of the curb ramp, landing, blended transition, pedestrian pad, or island cut through	<p>CBC 2016 11B-705.1.2.2</p> <p>CBC 2007 1127B.5.7</p> <p>ADAAG 4.7.7</p> <p>ADA-2010 705.1</p> <p>PROWAG R305.1</p> <p>Unit Cost \$2500.00</p> <p>Priority 104</p>	<table><tr><td>Width of Ramp / Pad</td><td>(in)</td><td>96.0</td></tr><tr><td>Length of Ramp / Pad</td><td>(in)</td><td>92.0</td></tr><tr><td>Slope of the Ramp / Pad</td><td>(%)</td><td>7.9</td></tr><tr><td>X Slope of the Ramp / Pad</td><td>(%)</td><td>0.4</td></tr><tr><td>Top Landing Length</td><td>(in)</td><td>48.0</td></tr><tr><td>Top Landing Slope</td><td>(%)</td><td>1.1</td></tr><tr><td>Top Landing X Slope</td><td>(%)</td><td>0.4</td></tr></table> <table><tr><td>Left Flare</td><td>(%)</td><td>N/A</td></tr><tr><td>Right Flare</td><td>(%)</td><td>N/A</td></tr><tr><td>Gutter Lip</td><td>(in)</td><td>N/A</td></tr><tr><td>Truncated Domes</td><td>(y/n)</td><td>NO</td></tr></table> <table><tr><td>Street Grade (Left / Right)</td><td>(%)</td><td>0.2</td><td>N/A</td></tr><tr><td>Stop/Yield Control:</td><td></td><td>No</td><td></td></tr><tr><td>Crosswalks Served:</td><td></td><td>No X-walk</td><td></td></tr><tr><td>Tee Intersection:</td><td></td><td>No</td><td></td></tr><tr><td>Vertical Curb:</td><td></td><td>Vertical</td><td></td></tr><tr><td>Sidewalk Width:</td><td>(ft)</td><td>6.0</td><td></td></tr></table>	Width of Ramp / Pad	(in)	96.0	Length of Ramp / Pad	(in)	92.0	Slope of the Ramp / Pad	(%)	7.9	X Slope of the Ramp / Pad	(%)	0.4	Top Landing Length	(in)	48.0	Top Landing Slope	(%)	1.1	Top Landing X Slope	(%)	0.4	Left Flare	(%)	N/A	Right Flare	(%)	N/A	Gutter Lip	(in)	N/A	Truncated Domes	(y/n)	NO	Street Grade (Left / Right)	(%)	0.2	N/A	Stop/Yield Control:		No		Crosswalks Served:		No X-walk		Tee Intersection:		No		Vertical Curb:		Vertical		Sidewalk Width:	(ft)	6.0	
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Perpendicular**225 Detectable Warnings**

- As-Built Description:**
Detectable warning surface not provided where a curb ramp, landing, blended transition, pedestrian pad, or island cut through connects to a street.
- Proposed Solution:**
Install a truncated dome surface that extends the full width and depth (36" min.) of the curb ramp, landing, blended transition, pedestrian pad, or island cut through

CBC 2016 11B-705.1.2.2
CBC 2007 1127B.5.7
ADAAG 4.7.7
ADA-2010 705.1
PROWAG R305.1

Unit Cost **\$2500.00**

Priority
104



Width of Ramp / Pad	(in)	59.0
Length of Ramp / Pad	(in)	84.0
Slope of the Ramp / Pad	(%)	7.8
X Slope of the Ramp / Pad	(%)	0.1
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	1.6
Top Landing X Slope	(%)	0.2

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	NO

Street Grade (Left / Right)	(%)	0.1	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	6.0	

Curb Ramp Required**226 Access Route**• *As-Built Description:*

Curb ramp or blended transition not provided where a pedestrian access route crosses a curb.

• *Proposed Solution:*

Provide a parallel curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2007 **1127B.5.1**ADAAG **4.7.1**PROWAG **R207.1**Unit Cost **\$7000.00****Priority****100**

	LEFT	RIGHT
Width of Ramp / Pad	(in)	
Slope of the Ramp / Pad	(%)	
X Slope of the Ramp / Pad	(%)	

Stop/Yield Control:	No
Crosswalks Served:	No X-walk
Tee Intersection:	No
Vertical Curb:	Rolled
Sidewalk Width:	(ft) 6.0

Total Costs for Curb Ramps at : Aquatics Ln and
\$12,000.00
Total Costs for Curb Ramps along : Aquatics Ln
\$12,000.00

Year Completed

Survey Street

Cross Street

TBD

Beethoven Lot 2

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Perpendicular**227 Ramp Landing**• *As-Built Description:*

Running slope at top landing of existing perpendicular curb ramp exceeds the 1:48 (2%) maximum.

• *As-is* **2.1%**• *Proposed Solution:*

Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.5.3**CBC 2007 **1127B.5.4**ADAAG **4.8.4; 4.8.6**PROWAG **R304.2.2**Unit Cost **\$6500.00**

Priority

103.5

Width of Ramp / Pad	(in)	71.0
Length of Ramp / Pad	(in)	87.0
Slope of the Ramp / Pad	(%)	8.1
X Slope of the Ramp / Pad	(%)	0.6
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	2.1
Top Landing X Slope	(%)	0.1

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Slope	(%)	3.9
Gutter XSlope	(%)	0.0
Gutter Lip	(in)	0.25
Truncated Domes	(y/n)	YES
Dome Setback	(in)	0.0

Street Grade (Left / Right)	(%)	0.0	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	6.0	

Blended Transition**228 Detectable Warning Surface**• *As-Built Description:*

The detectable warning surface is not located between 6" - 8" from the curb line on a curb ramp or at the edges on a pedestrian island, cut-through island, pedestrian pad, perpendicular curb ramp or blended transition. (0" from curb line on a parallel curb ramp.)

• *As-is* **12.0"**• *Proposed Solution:*

Relocate the detectable warning surface.

CBC 2016 **11B-705.1.2.2**ADAAG **4.7.7, 4.29.1&2**ADA-2010 **705.1**Unit Cost **\$500.00**

Priority

100

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	70.5
Bottom Landing Slope	(%)	0.6
Bottom Landing X Slope	(%)	2.0
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	12.0

Street Grade (Left / Right)	(%)	0.0	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	6.0	

Perpendicular**232 Ramp Landing****• As-Built Description:**

Cross slope at top landing of existing perpendicular curb ramp exceeds 2%.

• As-is **2.6%****• Proposed Solution:**

Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.5.3**CBC 2007 **1127B.5.4**ADAAG **4.8.4; 4.8.6**ADA-2010 **405.7**PROWAG **R304.5.3**Unit Cost **\$3250.00****Priority****108.5**

Width of Ramp / Pad	(in)	70.0
Length of Ramp / Pad	(in)	84.0
Slope of the Ramp / Pad	(%)	5.8
X Slope of the Ramp / Pad	(%)	1.2
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	0.2
Top Landing X Slope	(%)	2.6

Left Flare	(%)	5.4
Right Flare	(%)	0.4
Gutter Slope	(%)	0.5
Gutter XSlope	(%)	YES
Gutter Lip	(in)	50.0
Truncated Domes	(y/n)	
Dome Setback	(in)	

Street Grade (Left / Right)	(%)	1.2	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	6.0	

Total Costs for Curb Ramps at : Beethoven Lot 2 and**\$10,250.00****Total Costs for Curb Ramps along : Beethoven Lot 2****\$10,250.00**

Year Completed

Survey Street

Cross Street

TBD

College Center 10

East Hall 12

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Blended Transition**268 Compliant Curb Ramp**• *As-Built Description:*

Curb ramp, blended transition, island cut-through, island perpendicular, or pedestrian pad surveyed for the following items are in compliance with the ADA and applicable building codes.

• *Proposed Solution:*

Provide routine inspection and maintenance to maintain accessible access route.

Unit Cost **\$0.00****Priority
100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	72.0
Bottom Landing Slope	(%)	0.2
Bottom Landing X Slope	(%)	1.2
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	8.0

Street Grade (Left / Right)	(%)	0.3	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	4.0	

Blended Transition**269 Ramp Landing**• *As-Built Description:*

Running slope at bottom landing of existing blended transition exceeds 2%.

• *As-is* **2.9%**• *Proposed Solution:*

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.3.2**ADAAG **4.8.4; 4.8.6**PROWAG **R304.3.2**Unit Cost **\$3500.00****Priority
100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	95.0
Bottom Landing Slope	(%)	2.9
Bottom Landing X Slope	(%)	0.9
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	NO

Street Grade (Left / Right)	(%)	1.5	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	4.0	

Blended Transition**270 Ramp Landing****• As-Built Description:**

Running slope at bottom landing of existing blended transition exceeds 2%.

• As-is **5.9%****• Proposed Solution:**

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.3.2**ADAAG **4.8.4; 4.8.6**PROWAG **R304.3.2**Unit Cost **\$3500.00**

Priority
100



		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	96.0
Bottom Landing Slope	(%)	5.9
Bottom Landing X Slope	(%)	1.4
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	NO

Street Grade (Left / Right)	(%)	2.0	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	4.0	

Total Costs for Curb Ramps at : College Center 10 and East Hall 12

\$7,000.00

Perpendicular**272 Ramp Landing****• As-Built Description:**

Running slope at top landing of existing perpendicular curb ramp exceeds the 1:48 (2%) maximum.

• As-is **2.9%****• Proposed Solution:**

Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.5.3**CBC 2007 **1127B.5.4**ADAAG **4.8.4; 4.8.6**PROWAG **R304.2.2**Unit Cost **\$6500.00**

Priority
109



Width of Ramp / Pad	(in)	60.0
Length of Ramp / Pad	(in)	93.0
Slope of the Ramp / Pad	(%)	7.3
X Slope of the Ramp / Pad	(%)	0.3
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	2.9
Top Landing X Slope	(%)	0.4

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	NO

Street Grade (Left / Right)	(%)	0.6	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	4.0	

Perpendicular**273 Ramp Slope****As-Built Description:**

Running slope of existing perpendicular curb ramp is less than 5% or greater than 8.3%.

- As-is **8.8%**
- Proposed Solution:

Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.2.1**CBC 2007 **1127B.5.3**ADAAG **4.7.2; 4.8.2**ADA-2010 **405.2**PROWAG **R304.2.2**Unit Cost **\$6500.00**

Priority
106.5



Width of Ramp / Pad	(in)	60.0
Length of Ramp / Pad	(in)	85.0
Slope of the Ramp / Pad	(%)	8.8
X Slope of the Ramp / Pad	(%)	1.5
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	0.1
Top Landing X Slope	(%)	0.3

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	NO

Street Grade (Left / Right)	(%)	0.1	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	4.0	

Blended Transition**274 Blended Transition****As-Built Description:**

Running slope at blended transition exceeds 5%.

- As-is **5.1%**
- Proposed Solution:

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

PROWAG **R304.4.1**Unit Cost **\$7000.00**

Priority
100



		LEFT	RIGHT
Width of Ramp / Pad	(in)	60.0	
Length of Ramp / Pad	(in)	84.0	
Slope of the Ramp / Pad	(%)	5.1	
X Slope of the Ramp / Pad	(%)	0.0	
Top Landing Length	(in)	48.0	
Top Landing Slope	(%)	1.3	
Top Landing X Slope	(%)	0.1	

Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	NO

Street Grade (Left / Right)	(%)	0.9	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Perpendicular**275 Compliant Curb Ramp**• *As-Built Description:*

Curb ramp, blended transition, island cut-through, island perpendicular, or pedestrian pad surveyed for the following items are in compliance with the ADA and applicable building codes.

Unit Cost **\$0.00**• *Proposed Solution:*

Provide routine inspection and maintenance to maintain accessible access route.

Priority**100**

Width of Ramp / Pad	(in)	115.0
Length of Ramp / Pad	(in)	84.0
Slope of the Ramp / Pad	(%)	6.8
X Slope of the Ramp / Pad	(%)	1.2
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	0.5
Top Landing X Slope	(%)	0.7

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	1.6	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Total Costs for Curb Ramps at : College Center 10 and Forum Lot 8
\$20,000.00
Total Costs for Curb Ramps along : College Center 10
\$27,000.00

Year Completed

Survey Street

Cross Street

TBD

College Heights Dr

Aquatics Ln

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Parallel**222 Ramp Cross Slope**• *As-Built Description:*

Cross slope of existing parallel curb ramp exceeds 2%.

• *As-is* **Right: 2.5%**• *Proposed Solution:*

Demolish existing and provide new parallel curb ramp including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.5.7**ADAAG **4.8.6**PROWAG **R304.5.3**Unit Cost **\$7000.00**

Priority

110.5

		LEFT	RIGHT
Width of Ramp / Pad	(in)	73.0	73.0
Length of Ramp / Pad	(in)	76.0	78.0
Slope of the Ramp / Pad	(%)	3.3	4.7
X Slope of the Ramp / Pad	(%)	1.1	2.5
Top Landing Length	(in)	48.0	48.0
Top Landing Slope	(%)	7.7	2.1
Top Landing X Slope	(%)	2.1	2.4

Bottom Landing Length	(in)	96.0
Bottom Landing Slope	(%)	1.1
Bottom Landing X Slope	(%)	1.4
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	8.0

Street Grade (Left / Right)	(%)	2.9	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	6.0	

Blended Transition**223 Gutter**• *As-Built Description:*

The slope of the gutter area or street at the foot of a curb ramp, blended transition, pedestrian pad, or island cut through exceeds 1:20 (5%) in the direction of the pedestrian crossing.

• *As-is* **9.5%**• *Proposed Solution:*

Demolish gutter or street area as required and provide 48" x 48" area at foot of curb ramp, blended transition, pedestrian pad, or island cut through with slope no

CBC 2016 **11B-406.5.8**CBC 2007 **1127B.5.3**ADAAG **4.7.2**ADA-2010 **406.2**PROWAG **R304.5.4**Unit Cost **\$3000.00**

Priority

100

		LEFT	RIGHT
Width of Ramp / Pad	(in)	72.0	
Length of Ramp / Pad	(in)	112.0	
Slope of the Ramp / Pad	(%)	2.0	
X Slope of the Ramp / Pad	(%)	0.3	
Top Landing Length	(in)	48.0	
Top Landing Slope	(%)	1.4	
Top Landing X Slope	(%)	0.3	

Gutter Slope	(%)	9.5
Gutter XSlope	(%)	1.5
Gutter Lip	(in)	0.5
Truncated Domes	(y/n)	YES
Dome Setback	(in)	0.0

Street Grade (Left / Right)	(%)	1.2	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	6.0	

Total Costs for Curb Ramps at : College Heights Dr and Aquatics Ln**\$10,000.00****Total Costs for Curb Ramps along : College Heights Dr****\$10,000.00**

Year Completed

Survey Street

Cross Street

TBD

Csm Dr

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Blended Transition**208 Gutter**• *As-Built Description:*

The cross slope of the gutter area or street at the foot of a curb ramp, blended transition, pedestrian pad, or island cut through exceeds 2%.

• *As-is* **2.4%**• *Proposed Solution:*

Demolish gutter or street area as required and provide 48" x 48" area at foot of curb ramp, blended transition, pedestrian pad, or island cut through with a cross slope

CBC 2016 **11B-406.5.8**CBC 2007 **1127B.5**ADAAG **4.8.6**PROWAG **R304.5.3**Unit Cost **\$3000.00****Priority****100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	91.0
Bottom Landing Slope	(%)	1.2
Bottom Landing X Slope	(%)	1.3
Gutter Slope	(%)	1.0
Gutter XSlope	(%)	2.4
Gutter Lip	(in)	0.0
Truncated Domes	(y/n)	YES
Dome Setback	(in)	41.0

Street Grade (Left / Right)	(%)	1.0	0.5
Stop/Yield Control:		Yes-Stop Sign	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	8.0	

Island-Cut Through**209 Detectable Warnings**• *As-Built Description:*

Detectable warning surface not provided where a curb ramp, landing, blended transition, pedestrian pad, or island cut through connects to a street.

• *Proposed Solution:*

Install a truncated dome surface that extends the full width and depth (36" min.) of the curb ramp, landing, blended transition, pedestrian pad, or island cut through

CBC 2016 **11B-705.1.2.2**CBC 2007 **1127B.5.7**ADAAG **4.7.7**ADA-2010 **705.1**PROWAG **R305.1**Unit Cost **\$2500.00****Priority****100**

Width of Ramp / Pad	(in)	92.0
Length of Ramp / Pad	(in)	72.0
Slope of the Ramp / Pad	(%)	0.5
X Slope of the Ramp / Pad	(%)	0.6

Gutter Lip	(in)	0.0
Truncated Domes	(y/n)	NO

Street Grade (Left / Right)	(%)	0.5	1.4
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		2 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	8.0	

Blended Transition**210 Ramp Landing****• As-Built Description:**

Cross slope at bottom landing of existing blended transition exceeds 2%.

• As-is **2.4%****• Proposed Solution:**

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.3.2**ADAAG **4.8.4; 4.8.6**PROWAG **R304.3.2**Unit Cost **\$3500.00****Priority
100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	96.0
Bottom Landing Slope	(%)	0.2
Bottom Landing X Slope	(%)	2.4
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	42.0

Street Grade (Left / Right)	(%)	0.2	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	8.0	

Parallel**211 Gutter****• As-Built Description:**

The slope of the gutter area or street at the foot of a curb ramp, blended transition, pedestrian pad, or island cut through exceeds 1:20 (5%) in the direction of the pedestrian crossing.

• As-is **11.1%****• Proposed Solution:**

Demolish gutter or street area as required and provide 48" x 48" area at foot of curb ramp, blended transition, pedestrian pad, or island cut through with slope no

CBC 2016 **11B-406.5.8**CBC 2007 **1127B.5.3**ADAAG **4.7.2**ADA-2010 **406.2**PROWAG **R304.5.4**Unit Cost **\$3000.00****Priority
109**

		LEFT	RIGHT
Width of Ramp / Pad	(in)	95.5	96.0
Length of Ramp / Pad	(in)	87.0	84.0
Slope of the Ramp / Pad	(%)	5.2	9.1
X Slope of the Ramp / Pad	(%)	1.0	1.8
Top Landing Length	(in)	48.0	48.0
Top Landing Slope	(%)	0.8	0.2
Top Landing X Slope	(%)	1.8	1.9

Bottom Landing Length	(in)	246.0
Bottom Landing Slope	(%)	0.1
Bottom Landing X Slope	(%)	1.1
Gutter Slope	(%)	11.1
Gutter XSlope	(%)	1.1
Gutter Lip	(in)	0.25
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	1.2	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	8.0	

Parallel**215 Ramp Cross Slope****As-Built Description:**

Cross slope of existing parallel curb ramp exceeds 2%.

As-is **Right: 3.2%****Proposed Solution:**

Demolish existing and provide new parallel curb ramp including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.5.7**ADAAG **4.8.6**PROWAG **R304.5.3**Unit Cost **\$7000.00****Priority****110.5**

		LEFT	RIGHT
Width of Ramp / Pad	(in)	72.0	72.0
Length of Ramp / Pad	(in)	86.0	121.0
Slope of the Ramp / Pad	(%)	7.2	7.6
X Slope of the Ramp / Pad	(%)	0.3	3.2
Top Landing Length	(in)	48.0	48.0
Top Landing Slope	(%)	3.4	3.6
Top Landing X Slope	(%)	0.1	1.0

Bottom Landing Length	(in)	72.0
Bottom Landing Slope	(%)	2.1
Bottom Landing X Slope	(%)	1.2
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	40.0

Street Grade (Left / Right)	(%)	0.7	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	6.0	

Total Costs for Curb Ramps at : Csm Dr and**\$19,000.00****Perpendicular****206 Ramp Slope****As-Built Description:**

Cross slope of an existing perpendicular curb ramp exceeds 1:48 (2%).

As-is **3.1%****Proposed Solution:**

Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.5.7**CBC 2007 **1133B.5.3.1**ADAAG **4.8.6**ADA-2010 **405.3**PROWAG **R304.5.3**Unit Cost **\$6500.00****Priority****112.5**

Width of Ramp / Pad	(in)	67.0
Length of Ramp / Pad	(in)	122.0
Slope of the Ramp / Pad	(%)	6.2
X Slope of the Ramp / Pad	(%)	3.1
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	3.3
Top Landing X Slope	(%)	1.1

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Slope	(%)	4.1
Gutter XSlope	(%)	2.3
Gutter Lip	(in)	0.0
Truncated Domes	(y/n)	YES
Dome Setback	(in)	16.0

Street Grade (Left / Right)	(%)	0.3	1.4
Stop/Yield Control:		Yes-Stop Sign	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.5	

Parallel**207 Ramp Cross Slope**• *As-Built Description:*

Cross slope of existing parallel curb ramp exceeds 2%.

• *As-is* **Left: 2.5%**• *Proposed Solution:*

Demolish existing and provide new parallel curb ramp including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.5.7**ADAAG **4.8.6**PROWAG **R304.5.3**Unit Cost **\$7000.00****Priority****107.5**

		LEFT	RIGHT
Width of Ramp / Pad	(in)	72.0	96.0
Length of Ramp / Pad	(in)	101.0	96.0
Slope of the Ramp / Pad	(%)	7.0	6.4
X Slope of the Ramp / Pad	(%)	2.5	0.3
Top Landing Length	(in)	48.0	48.0
Top Landing Slope	(%)	1.8	1.3
Top Landing X Slope	(%)	1.6	0.2

Bottom Landing Length	(in)	103.0
Bottom Landing Slope	(%)	1.6
Bottom Landing X Slope	(%)	0.0
Gutter Slope	(%)	7.1
Gutter XSlope	(%)	2.2
Gutter Lip	(in)	0.0
Truncated Domes	(y/n)	YES
Dome Setback	(in)	30.0

Street Grade (Left / Right)	(%)	1.0	0.8
Stop/Yield Control:		Yes-Stop Sign	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	8.0	

Total Costs for Curb Ramps at : Csm Dr and Theater Ln**\$13,500.00****Total Costs for Curb Ramps along : Csm Dr****\$32,500.00**

Year Completed

Survey Street

Cross Street

TBD

East Hall 12

East Hall 12

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Perpendicular**267 Ramp Landing**• *As-Built Description:*

Running slope at top landing of existing perpendicular curb ramp exceeds the 1:48 (2%) maximum.

• *As-is* **2.4%**• *Proposed Solution:*

Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.5.3**CBC 2007 **1127B.5.4**ADAAG **4.8.4; 4.8.6**PROWAG **R304.2.2**Unit Cost **\$6500.00****Priority****102.5**

Width of Ramp / Pad	(in)	71.0
Length of Ramp / Pad	(in)	94.0
Slope of the Ramp / Pad	(%)	7.1
X Slope of the Ramp / Pad	(%)	0.6
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	2.4
Top Landing X Slope	(%)	0.0

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	8.0

Street Grade (Left / Right)	(%)	0.4	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	4.0	

Total Costs for Curb Ramps at : East Hall 12 and East Hall 12**\$6,500.00****Total Costs for Curb Ramps along : East Hall 12****\$6,500.00**

Year Completed

Survey Street

Cross Street

TBD

East Perimeter Road

Athletic Loop Road

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Blended Transition**259 Ramp Landing**• *As-Built Description:*

Running slope at bottom landing of existing blended transition exceeds 2%.

• *As-is* **4.9%**• *Proposed Solution:*

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.3.2**ADAAG **4.8.4; 4.8.6**PROWAG **R304.3.2**Unit Cost **\$3500.00**

Priority

100

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	72.0
Bottom Landing Slope	(%)	4.9
Bottom Landing X Slope	(%)	3.3
Gutter Slope	(%)	4.5
Gutter XSlope	(%)	1.5
Gutter Lip	(in)	0.0
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	1.8	0.4
Stop/Yield Control:		Yes-Stop Sign	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		Yes	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	6.0	

Parallel**260 Ramp Slope**• *As-Built Description:*

Running slope of existing parallel curb ramp, where the run is less than 15' in length, is less than 5% or more than 8.3%.

• *As-is* **Right: 12.7%**• *Proposed Solution:*

Demolish existing and provide new parallel curb ramp including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.3.1**CBC 2007 **1127B.5.3**ADAAG **4.8.2**PROWAG **R304.3.2**Unit Cost **\$7000.00**

Priority

115

		LEFT	RIGHT
Width of Ramp / Pad	(in)	48.0	48.0
Length of Ramp / Pad	(in)	64.0	117.0
Slope of the Ramp / Pad	(%)	0.6	12.7
X Slope of the Ramp / Pad	(%)	0.8	3.2
Top Landing Length	(in)	48.0	48.0
Top Landing Slope	(%)	4.3	3.4
Top Landing X Slope	(%)	1.6	2.2

Bottom Landing Length	(in)	48.0
Bottom Landing Slope	(%)	1.2
Bottom Landing X Slope	(%)	1.8
Gutter Slope	(%)	1.3
Gutter XSlope	(%)	2.0
Gutter Lip	(in)	0.0
Truncated Domes	(y/n)	YES
Dome Setback	(in)	8.0

Street Grade (Left / Right)	(%)	3.1	0.9
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		2 X-walk	
Tee Intersection:		Yes	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	4.0	

Total Costs for Curb Ramps at : East Perimeter Road and Athletic Loop Road**\$10,500.00**

Curb Ramp Required**282 Access Route****As-Built Description:**

Curb ramp or blended transition not provided where a pedestrian access route crosses a curb.

Proposed Solution:

Provide a parallel curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2007 **1127B.5.1**ADAAG **4.7.1**PROWAG **R207.1**Unit Cost **\$7000.00****Priority****100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		

Stop/Yield Control:	No
Crosswalks Served:	1 X-walk
Tee Intersection:	No
Vertical Curb:	Rolled
Sidewalk Width:	(ft) 5.0

Total Costs for Curb Ramps at : East Perimeter Road and Bulldog Lot 9**\$7,000.00****Perpendicular****279 Ramp Slope****As-Built Description:**

Running slope of existing perpendicular curb ramp is less than 5% or greater than 8.3%.

As-is **12.0%****Proposed Solution:**

Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.2.1**CBC 2007 **1127B.5.3**ADAAG **4.7.2; 4.8.2**ADA-2010 **405.2**PROWAG **R304.2.2**Unit Cost **\$6500.00****Priority****127**

Width of Ramp / Pad	(in)	63.0
Length of Ramp / Pad	(in)	171.0
Slope of the Ramp / Pad	(%)	12.0
X Slope of the Ramp / Pad	(%)	1.9
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	6.4
Top Landing X Slope	(%)	1.3

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Slope	(%)	4.1
Gutter XSlope	(%)	5.8
Gutter Lip	(in)	1.0
Truncated Domes	(y/n)	NO

Street Grade (Left / Right)	(%)	4.4	7.0
Stop/Yield Control:		Yes-Stop Sign	
Crosswalks Served:		No X-walk	
Tee Intersection:		Yes	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Blended Transition**280 Blended Transition****As-Built Description:**

Running slope at blended transition exceeds 5%.

As-is **5.9%****Proposed Solution:**

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

PROWAG **R304.4.1**Unit Cost **\$7000.00****Priority****100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)	94.0	
Length of Ramp / Pad	(in)	151.0	
Slope of the Ramp / Pad	(%)	5.9	
X Slope of the Ramp / Pad	(%)	0.8	
Top Landing Length	(in)	48.0	
Top Landing Slope	(%)	1.2	
Top Landing X Slope	(%)	1.7	

Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	0.0

Street Grade (Left / Right)	(%)	2.2	5.1
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		Yes	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Total Costs for Curb Ramps at : East Perimeter Road and Bulldog Lot 9A**\$13,500.00****Parallel****257 Ramp Slope****As-Built Description:**

Running slope of existing parallel curb ramp, where the run is less than 15' in length, is less than 5% or more than 8.3%.

As-is **Right: 9.0%****Proposed Solution:**

Demolish existing and provide new parallel curb ramp including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.3.1**CBC 2007 **1127B.5.3**ADAAG **4.8.2**PROWAG **R304.3.2**Unit Cost **\$7000.00****Priority****118**

		LEFT	RIGHT
Width of Ramp / Pad	(in)	72.0	73.0
Length of Ramp / Pad	(in)	184.0	194.0
Slope of the Ramp / Pad	(%)	1.9	9.0
X Slope of the Ramp / Pad	(%)	0.4	0.4
Top Landing Length	(in)	0.0	0.0
Top Landing Slope	(%)	N/A	N/A
Top Landing X Slope	(%)	N/A	N/A

Bottom Landing Length	(in)	72.0
Bottom Landing Slope	(%)	0.7
Bottom Landing X Slope	(%)	6.0
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	8.0

Street Grade (Left / Right)	(%)	7.2	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Perpendicular**258 Ramp Slope****As-Built Description:**

Cross slope of an existing perpendicular curb ramp exceeds 1:48 (2%).

- *As-is* **4.9%**
- *Proposed Solution:*

Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.5.7**CBC 2007 **1133B.5.3.1**ADAAG **4.8.6**ADA-2010 **405.3**PROWAG **R304.5.3**Unit Cost **\$6500.00**

Priority
132.5



Width of Ramp / Pad	(in)	144.0
Length of Ramp / Pad	(in)	72.0
Slope of the Ramp / Pad	(%)	6.5
X Slope of the Ramp / Pad	(%)	4.9
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	6.5
Top Landing X Slope	(%)	4.6

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Slope	(%)	5.7
Gutter XSlope	(%)	6.9
Gutter Lip	(in)	0.0
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	7.9	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	12.0	

Parallel**261 Ramp Landing****As-Built Description:**

Running slope at bottom landing of existing parallel curb ramp exceeds 2%.

- *As-is* **2.6%**
- *Proposed Solution:*

Demolish existing bottom landing and provide new, including detectable warning surface. Ramp to remain.

CBC 2016 **11B-406.3.2**ADAAG **4.8.4; 4.8.6**PROWAG **R304.3.2**Unit Cost **\$3500.00**

Priority
101.5



		LEFT	RIGHT
Width of Ramp / Pad	(in)	60.0	N/A
Length of Ramp / Pad	(in)	81.0	N/A
Slope of the Ramp / Pad	(%)	6.8	N/A
X Slope of the Ramp / Pad	(%)	1.6	N/A
Top Landing Length	(in)	48.0	N/A
Top Landing Slope	(%)	0.9	N/A
Top Landing X Slope	(%)	1.5	N/A

Bottom Landing Length	(in)	60.0
Bottom Landing Slope	(%)	2.6
Bottom Landing X Slope	(%)	2.0
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	8.0

Street Grade (Left / Right)	(%)	1.5	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		Yes	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	4.0	

Curb Ramp Required**266 Access Route**

- **As-Built Description:**
Curb ramp or blended transition not provided where a pedestrian access route crosses a curb.
- **Proposed Solution:**
Provide a parallel curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2007 **1127B.5.1**ADAAG **4.7.1**PROWAG **R207.1**Unit Cost **\$7000.00****Priority****100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		

Stop/Yield Control:	No
Crosswalks Served:	1 X-walk
Tee Intersection:	No
Vertical Curb:	Vertical
Sidewalk Width:	(ft) 4.0

Perpendicular**281 Ramp Slope**

- **As-Built Description:**
Running slope of existing perpendicular curb ramp is less than 5% or greater than 8.3%.
- **As-is** **13.5%**
- **Proposed Solution:**
Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.2.1**CBC 2007 **1127B.5.3**ADAAG **4.7.2; 4.8.2**ADA-2010 **405.2**PROWAG **R304.2.2**Unit Cost **\$6500.00****Priority****132.5**

Width of Ramp / Pad	(in)	264.0
Length of Ramp / Pad	(in)	36.0
Slope of the Ramp / Pad	(%)	13.5
X Slope of the Ramp / Pad	(%)	8.2
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	5.9
Top Landing X Slope	(%)	6.0

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	8.0

Street Grade (Left / Right)	(%)	8.7	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		Yes	
Vertical Curb:		Rolled	
Sidewalk Width:	(ft)	5.0	

Curb Ramp Required**283 Access Route**• *As-Built Description:*

Curb ramp or blended transition not provided where a pedestrian access route crosses a curb.

• *Proposed Solution:*

Provide a parallel curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2007 **1127B.5.1**ADAAG **4.7.1**PROWAG **R207.1**Unit Cost **\$7000.00****Priority****100**

	LEFT	RIGHT
Width of Ramp / Pad	(in)	
Slope of the Ramp / Pad	(%)	
X Slope of the Ramp / Pad	(%)	

Stop/Yield Control:	No
Crosswalks Served:	1 X-walk
Tee Intersection:	No
Vertical Curb:	Rolled
Sidewalk Width:	(ft) 5.0

Total Costs for Curb Ramps at : East Perimeter Road and East Perimeter Road \$37,500.00

Total Costs for Curb Ramps along : East Perimeter Road \$68,500.00

Year Completed

Survey Street

Cross Street

TBD

Forum Lot 8

East Perimeter Road

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Curb Ramp Required**265 Access Route**• **As-Built Description:**

Curb ramp or blended transition not provided where a pedestrian access route crosses a curb.

• **Proposed Solution:**

Provide a parallel curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2007 **1127B.5.1**ADAAG **4.7.1**PROWAG **R207.1**Unit Cost **\$7000.00**

Priority

100

	LEFT	RIGHT
Width of Ramp / Pad	(in)	
Slope of the Ramp / Pad	(%)	
X Slope of the Ramp / Pad	(%)	

Stop/Yield Control:	No
Crosswalks Served:	1 X-walk
Tee Intersection:	No
Vertical Curb:	Vertical
Sidewalk Width:	(ft) 4.0

Total Costs for Curb Ramps at : Forum Lot 8 and East Perimeter Road**\$7,000.00****Perpendicular****271 Detectable Warning Surface**• **As-Built Description:**

The detectable warning surface is not located between 6" - 8" from the curb line on a curb ramp or at the edges on a pedestrian island, cut-through island, pedestrian pad, perpendicular curb ramp or blended transition. (0" from curb line on a parallel curb ramp.)

• **As-is** **30.0"**• **Proposed Solution:**

Relocate the detectable warning surface.

CBC 2016 **11B-705.1.2.2**ADAAG **4.7.7, 4.29.1&2**ADA-2010 **705.1**Unit Cost **\$500.00**

Priority

100

Width of Ramp / Pad	(in)	79.0
Length of Ramp / Pad	(in)	90.0
Slope of the Ramp / Pad	(%)	8.0
X Slope of the Ramp / Pad	(%)	0.9
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	0.6
Top Landing X Slope	(%)	1.3

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	30.0

Street Grade (Left / Right)	(%)	1.7	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	4.0	

Blended Transition**276 Compliant Curb Ramp****• As-Built Description:**

Curb ramp, blended transition, island cut-through, island perpendicular, or pedestrian pad surveyed for the following items are in compliance with the ADA and applicable building codes.

• Proposed Solution:

Provide routine inspection and maintenance to maintain accessible access route.

Unit Cost **\$0.00****Priority
100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	112.0
Bottom Landing Slope	(%)	0.4
Bottom Landing X Slope	(%)	1.0
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	1.0	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Blended Transition**277 Ramp Landing****• As-Built Description:**

Running slope at bottom landing of existing blended transition exceeds 2%.

• As-is 2.3%**• Proposed Solution:**

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.3.2**ADAAG **4.8.4; 4.8.6**PROWAG **R304.3.2**Unit Cost **\$3500.00****Priority
100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	112.0
Bottom Landing Slope	(%)	2.3
Bottom Landing X Slope	(%)	1.6
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	8.0

Street Grade (Left / Right)	(%)	0.9	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Perpendicular**278 Ramp Landing****• As-Built Description:**

Running slope at top landing of existing perpendicular curb ramp exceeds the 1:48 (2%) maximum.

• As-is 3.4%**• Proposed Solution:**

Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.5.3**CBC 2007 **1127B.5.4**ADAAG **4.8.4; 4.8.6**PROWAG **R304.2.2**Unit Cost **\$6500.00****Priority****105**

Width of Ramp / Pad	(in)	112.0
Length of Ramp / Pad	(in)	74.0
Slope of the Ramp / Pad	(%)	7.7
X Slope of the Ramp / Pad	(%)	0.9
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	3.4
Top Landing X Slope	(%)	1.1

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	1.5	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Total Costs for Curb Ramps at : Forum Lot 8 and Forum Lot 8**\$10,500.00****Total Costs for Curb Ramps along : Forum Lot 8****\$17,500.00**

Year Completed

Survey Street

Cross Street

TBD

Galileo Lot 6

Galileo Lot 6

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Perpendicular**245 Compliant Curb Ramp**• *As-Built Description:*

Curb ramp, blended transition, island cut-through, island perpendicular, or pedestrian pad surveyed for the following items are in compliance with the ADA and applicable building codes.

• *Proposed Solution:*

Provide routine inspection and maintenance to maintain accessible access route.

Unit Cost **\$0.00****Priority
100**

Width of Ramp / Pad	(in)	96.0
Length of Ramp / Pad	(in)	82.0
Slope of the Ramp / Pad	(%)	6.6
X Slope of the Ramp / Pad	(%)	0.5
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	1.1
Top Landing X Slope	(%)	0.3

Left Flare	(%)	N/A
Right Flare	(%)	YES
Gutter Lip	(in)	6.0
Truncated Domes	(y/n)	
Dome Setback	(in)	

Street Grade (Left / Right)	(%)	0.1	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Perpendicular**247 Compliant Curb Ramp**• *As-Built Description:*

Curb ramp, blended transition, island cut-through, island perpendicular, or pedestrian pad surveyed for the following items are in compliance with the ADA and applicable building codes.

• *Proposed Solution:*

Provide routine inspection and maintenance to maintain accessible access route.

Unit Cost **\$0.00****Priority
100**

Width of Ramp / Pad	(in)	60.0
Length of Ramp / Pad	(in)	80.0
Slope of the Ramp / Pad	(%)	6.0
X Slope of the Ramp / Pad	(%)	0.1
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	1.6
Top Landing X Slope	(%)	0.1

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	0.1	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Perpendicular**248 Ramp Landing****As-Built Description:**

Running slope at top landing of existing perpendicular curb ramp exceeds the 1:48 (2%) maximum.

As-is **2.2%****Proposed Solution:**

Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.5.3**CBC 2007 **1127B.5.4**ADAAG **4.8.4; 4.8.6**PROWAG **R304.2.2**Unit Cost **\$6500.00****Priority****102.5**

Width of Ramp / Pad	(in)	96.0
Length of Ramp / Pad	(in)	80.0
Slope of the Ramp / Pad	(%)	6.4
X Slope of the Ramp / Pad	(%)	0.1
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	2.2
Top Landing X Slope	(%)	0.1

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	8.0

Street Grade (Left / Right)	(%)	0.3	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Blended Transition**249 Compliant Curb Ramp****As-Built Description:**

Curb ramp, blended transition, island cut-through, island perpendicular, or pedestrian pad surveyed for the following items are in compliance with the ADA and applicable building codes.

Proposed Solution:

Provide routine inspection and maintenance to maintain accessible access route.

Unit Cost **\$0.00****Priority****100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	96.0
Bottom Landing Slope	(%)	0.1
Bottom Landing X Slope	(%)	0.5
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	0.4	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Blended Transition**250 Ramp Landing****As-Built Description:**

Running slope at bottom landing of existing blended transition exceeds 2%.

As-is **2.8%****Proposed Solution:**

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.3.2**ADAAG **4.8.4; 4.8.6**PROWAG **R304.3.2**Unit Cost **\$3500.00****Priority
100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	96.0
Bottom Landing Slope	(%)	2.8
Bottom Landing X Slope	(%)	0.2
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	0.2	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Blended Transition**251 Ramp Landing****As-Built Description:**

Running slope at bottom landing of existing blended transition exceeds 2%.

As-is **2.8%****Proposed Solution:**

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.3.2**ADAAG **4.8.4; 4.8.6**PROWAG **R304.3.2**Unit Cost **\$3500.00****Priority
100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	96.0
Bottom Landing Slope	(%)	2.8
Bottom Landing X Slope	(%)	1.3
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	0.6	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Blended Transition**252 Ramp Landing****As-Built Description:**

Running slope at bottom landing of existing blended transition exceeds 2%.

As-is 3.4%**Proposed Solution:**

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 11B-406.3.2

ADAAG 4.8.4; 4.8.6

PROWAG R304.3.2

Unit Cost **\$3500.00**

Priority
100



		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	96.0
Bottom Landing Slope	(%)	3.4
Bottom Landing X Slope	(%)	0.4
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	0.1	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Blended Transition**253 Ramp Landing****As-Built Description:**

Running slope at bottom landing of existing blended transition exceeds 2%.

As-is 2.2%**Proposed Solution:**

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 11B-406.3.2

ADAAG 4.8.4; 4.8.6

PROWAG R304.3.2

Unit Cost **\$3500.00**

Priority
100



		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	96.0
Bottom Landing Slope	(%)	2.2
Bottom Landing X Slope	(%)	0.1
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	0.3	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Blended Transition**254 Ramp Landing****As-Built Description:**

Running slope at bottom landing of existing blended transition exceeds 2%.

As-is 4.3%**Proposed Solution:**

Demolish existing and provide new, blended transition, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 11B-406.3.2

ADAAG 4.8.4; 4.8.6

PROWAG R304.3.2

Unit Cost **\$3500.00****Priority
100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	96.0
Bottom Landing Slope	(%)	4.3
Bottom Landing X Slope	(%)	0.4
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	0.3	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Blended Transition**255 Compliant Curb Ramp****As-Built Description:**

Curb ramp, blended transition, island cut-through, island perpendicular, or pedestrian pad surveyed for the following items are in compliance with the ADA and applicable building codes.

Proposed Solution:

Provide routine inspection and maintenance to maintain accessible access route.

Unit Cost **\$0.00****Priority
100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	480.0
Bottom Landing Slope	(%)	1.1
Bottom Landing X Slope	(%)	0.3
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	0.1	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Blended Transition**256 Compliant Curb Ramp****• As-Built Description:**

Curb ramp, blended transition, island cut-through, island perpendicular, or pedestrian pad surveyed for the following items are in compliance with the ADA and applicable building codes.

• Proposed Solution:

Provide routine inspection and maintenance to maintain accessible access route.

Unit Cost **\$0.00****Priority
100**

		LEFT	RIGHT
Width of Ramp / Pad	(in)		
Length of Ramp / Pad	(in)		
Slope of the Ramp / Pad	(%)		
X Slope of the Ramp / Pad	(%)		
Top Landing Length	(in)		
Top Landing Slope	(%)		
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	480.0
Bottom Landing Slope	(%)	1.9
Bottom Landing X Slope	(%)	0.0
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	0.2	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Parallel**297 Detectable Warning Surface****• As-Built Description:**

The detectable warning surface is not located between 6" - 8" from the curb line on a curb ramp or at the edges on a pedestrian island, cut-through island, pedestrian pad, perpendicular curb ramp or blended transition. (0" from curb line on a parallel curb ramp.)

• As-is 8.0"**• Proposed Solution:**

Relocate the detectable warning surface.

CBC 2016 **11B-705.1.2.2**ADAAG **4.7.7, 4.29.1&2**ADA-2010 **705.1**Unit Cost **\$500.00****Priority
107.5**

		LEFT	RIGHT
Width of Ramp / Pad	(in)	74.0	73.0
Length of Ramp / Pad	(in)	170.0	79.0
Slope of the Ramp / Pad	(%)	7.3	5.7
X Slope of the Ramp / Pad	(%)	1.9	2.0
Top Landing Length	(in)	0.7	2.4
Top Landing Slope	(%)	0.7	1.3
Top Landing X Slope	(%)		

Bottom Landing Length	(in)	250.0
Bottom Landing Slope	(%)	0.8
Bottom Landing X Slope	(%)	0.1
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	8.0

Street Grade (Left / Right)	(%)	0.3	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Perpendicular**298 Compliant Curb Ramp****• As-Built Description:**

Curb ramp, blended transition, island cut-through, island perpendicular, or pedestrian pad surveyed for the following items are in compliance with the ADA and applicable building codes.

Unit Cost **\$0.00****• Proposed Solution:**

Provide routine inspection and maintenance to maintain accessible access route.

Priority**100**

Width of Ramp / Pad	(in)	60.0
Length of Ramp / Pad	(in)	80.0
Slope of the Ramp / Pad	(%)	6.3
X Slope of the Ramp / Pad	(%)	0.2
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	1.4
Top Landing X Slope	(%)	0.3

Left Flare	(%)	N/A
Right Flare	(%)	N/A
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	0.5	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Total Costs for Curb Ramps at : Galileo Lot 6 and Galileo Lot 6
\$24,500.00
Total Costs for Curb Ramps along : Galileo Lot 6
\$24,500.00

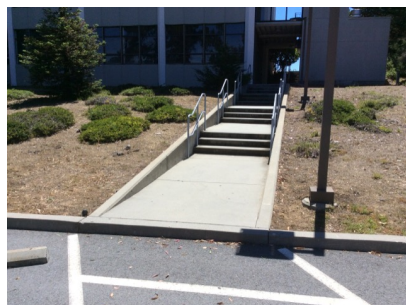
Year Completed		Survey Street	Cross Street	
TBD		North Hall 18	Marie Curie Lot 5	
ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements

Curb Ramp Required**295 Access Route**• *As-Built Description:*

Curb ramp or blended transition not provided where a pedestrian access route crosses a curb.

• *Proposed Solution:*

Provide a parallel curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2007 **1127B.5.1**ADAAG **4.7.1**PROWAG **R207.1**Unit Cost **\$7000.00****Priority****100**

	LEFT	RIGHT
Width of Ramp / Pad	(in)	
Slope of the Ramp / Pad	(%)	
X Slope of the Ramp / Pad	(%)	

Stop/Yield Control:	No
Crosswalks Served:	1 X-walk
Tee Intersection:	No
Vertical Curb:	Vertical
Sidewalk Width:	(ft) 5.0

Total Costs for Curb Ramps at : North Hall 18 and Marie Curie Lot 5 **\$7,000.00**

Total Costs for Curb Ramps along : North Hall 18 **\$7,000.00**

Year Completed

Survey Street

Cross Street

TBD

Planetarium

Planetarium

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Perpendicular**296 Ramp Flare**• *As-Built Description:*

Slope of flare(s) along curb at perpendicular curb ramp exceed(s) 10%.

• *As-is* **Right: 10.8%**• *Proposed Solution:*

Demolish existing and provide new, perpendicular curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2016 **11B-406.2.2**CBC 2007 **1127B.5.3**ADAAG **4.7.5**ADA-2010 **406.3**PROWAG **R304.2.3**Unit Cost **\$6500.00**

Priority

104

Width of Ramp / Pad	(in)	60.0
Length of Ramp / Pad	(in)	64.0
Slope of the Ramp / Pad	(%)	7.2
X Slope of the Ramp / Pad	(%)	1.1
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	1.2
Top Landing X Slope	(%)	0.4

Left Flare	(%)	9.2
Right Flare	(%)	10.8
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	YES
Dome Setback	(in)	6.0

Street Grade (Left / Right)	(%)	2.3	N/A
Stop/Yield Control:		No	
Within Crosswalk	(y/n)	YES	
Crosswalks Served:		1 X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Total Costs for Curb Ramps at : Planetarium and Planetarium**\$6,500.00****Total Costs for Curb Ramps along : Planetarium****\$6,500.00**

Year Completed

Survey Street

Cross Street

TBD

South Hall 14

Central Hall 16

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Curb Ramp Required292 Access Route• *As-Built Description:*

Curb ramp or blended transition not provided where a pedestrian access route crosses a curb.

• *Proposed Solution:*

Provide a parallel curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2007 **1127B.5.1**ADAAG **4.7.1**PROWAG **R207.1**Unit Cost **\$7000.00**

Priority

100

	LEFT	RIGHT
Width of Ramp / Pad	(in)	
Slope of the Ramp / Pad	(%)	
X Slope of the Ramp / Pad	(%)	

Stop/Yield Control:	No
Crosswalks Served:	1 X-walk
Tee Intersection:	Yes
Vertical Curb:	Rolled
Sidewalk Width:	(ft) 5.0

Curb Ramp Required293 Access Route• *As-Built Description:*

Curb ramp or blended transition not provided where a pedestrian access route crosses a curb.

• *Proposed Solution:*

Provide a parallel curb ramp, including detectable warning surfaces, and top and bottom landings as required.

CBC 2007 **1127B.5.1**ADAAG **4.7.1**PROWAG **R207.1**Unit Cost **\$7000.00**

Priority

100

	LEFT	RIGHT
Width of Ramp / Pad	(in)	
Slope of the Ramp / Pad	(%)	
X Slope of the Ramp / Pad	(%)	

Stop/Yield Control:	No
Crosswalks Served:	1 X-walk
Tee Intersection:	No
Vertical Curb:	Vertical
Sidewalk Width:	(ft) 5.0

Total Costs for Curb Ramps at : South Hall 14 and Central Hall 16**\$14,000.00****Total Costs for Curb Ramps along : South Hall 14****\$14,000.00**

Year Completed

Survey Street

Cross Street

TBD

Stadium Lot 11

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Perpendicular**246 Compliant Curb Ramp**• *As-Built Description:*

Curb ramp, blended transition, island cut-through, island perpendicular, or pedestrian pad surveyed for the following items are in compliance with the ADA and applicable building codes.

• *Proposed Solution:*

Provide routine inspection and maintenance to maintain accessible access route.

Unit Cost **\$0.00****Priority
100**

Width of Ramp / Pad	(in)	96.0
Length of Ramp / Pad	(in)	142.0
Slope of the Ramp / Pad	(%)	7.0
X Slope of the Ramp / Pad	(%)	0.6
Top Landing Length	(in)	48.0
Top Landing Slope	(%)	1.2
Top Landing X Slope	(%)	1.6

Left Flare	(%)	N/A
Right Flare	(%)	YES
Gutter Lip	(in)	8.0
Truncated Domes	(y/n)	
Dome Setback	(in)	

Street Grade (Left / Right)	(%)	0.3	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Total Costs for Curb Ramps at : Stadium Lot 11 and
Total Costs for Curb Ramps along : Stadium Lot 11

Year Completed

Survey Street

Cross Street

TBD

Marie Curie Lot 5

North Hall 18

ID #	Ramp Type	Existing Access Barrier and Proposed Solution	Codes / Mitigation Info	Measurements
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Parallel**294 Detectable Warnings**• *As-Built Description:*

Detectable warning surface not provided where a curb ramp, landing, blended transition, pedestrian pad, or island cut through connects to a street.

• *Proposed Solution:*

Install a truncated dome surface that extends the full width and depth (36" min.) of the curb ramp, landing, blended transition, pedestrian pad, or island cut through

CBC 2016 **11B-705.1.2.2**CBC 2007 **1127B.5.7**ADAAG **4.7.7**ADA-2010 **705.1**PROWAG **R305.1**Unit Cost **\$2500.00**

Priority

108

		LEFT	RIGHT
Width of Ramp / Pad	(in)	N/A	66.0
Length of Ramp / Pad	(in)	N/A	72.0
Slope of the Ramp / Pad	(%)	N/A	7.6
X Slope of the Ramp / Pad	(%)	N/A	0.6
Top Landing Length	(in)	N/A	48.0
Top Landing Slope	(%)	N/A	2.8
Top Landing X Slope	(%)	N/A	0.8

Bottom Landing Length	(in)	60.0
Bottom Landing Slope	(%)	1.8
Bottom Landing X Slope	(%)	0.7
Gutter Lip	(in)	N/A
Truncated Domes	(y/n)	NO

Street Grade (Left / Right)	(%)	0.9	N/A
Stop/Yield Control:		No	
Crosswalks Served:		No X-walk	
Tee Intersection:		No	
Vertical Curb:		Vertical	
Sidewalk Width:	(ft)	5.0	

Total Costs for Curb Ramps at : Marie Curie Lot 5 and North Hall 18**\$2,500.00****Total Costs for Curb Ramps along : Marie Curie Lot 5****\$2,500.00****Grand Total for Curb Ramps:****\$238,750.00**