

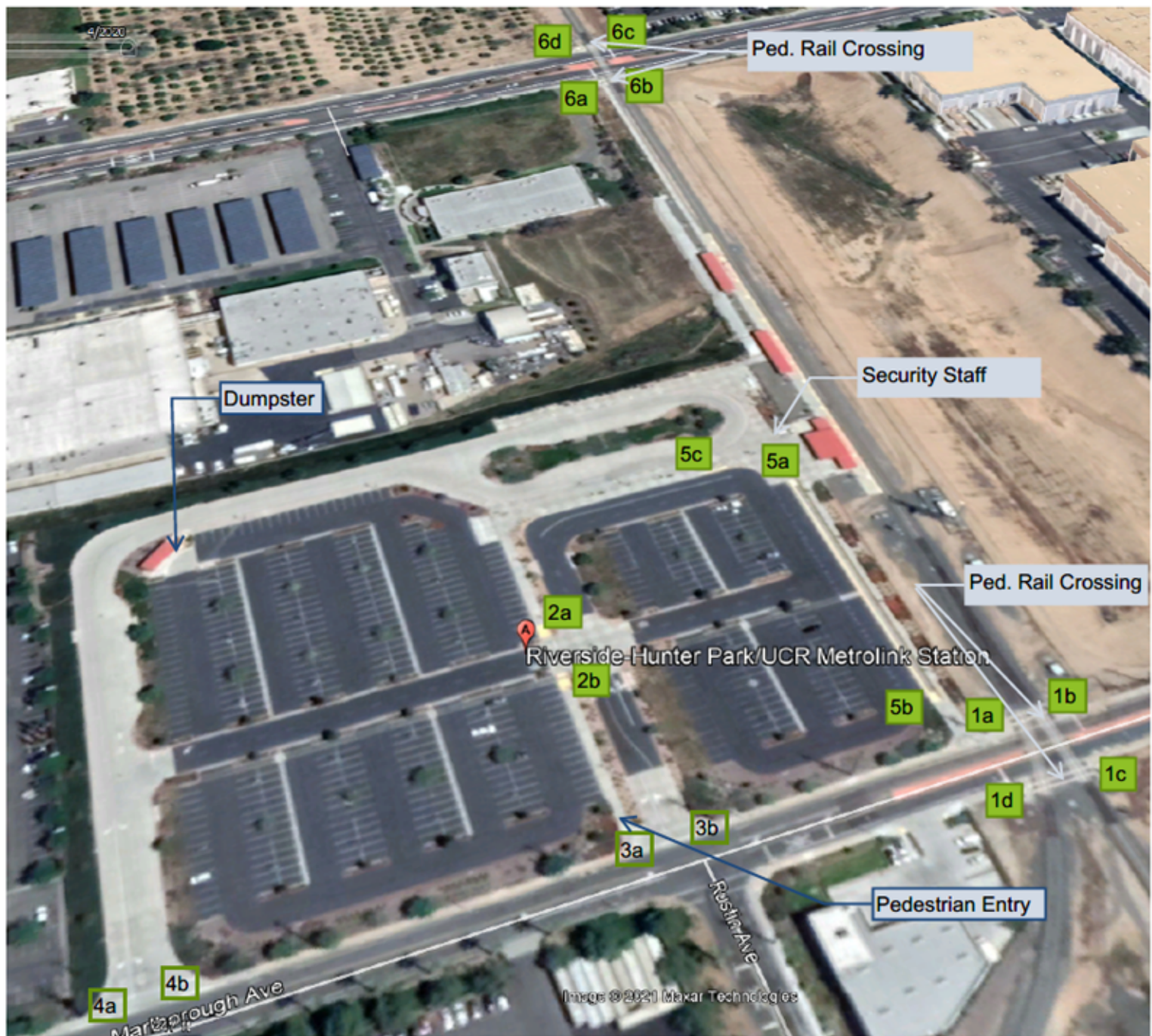
# Evaluation of Physical Barriers- Hunter Park Station

Address: Hunter Park Metrolink Station, CA 92507

Evaluation Date: 08-03-2021

These elements were assessed to identify any physical barriers:

1. Curb ramps (2a-2b, 3a-3b, 4a-4b, 5a- 5b, 5c)
2. Pedestrian road crossings
  - a. Pedestrian push button signals (where applicable)
3. Accessible routes
  - a. Walking surfaces
  - b. Elevators
  - c. Pedestrian Bridge
  - d. Stairs
  - e. Ramps
4. Platforms
  - a. Walking surfaces
  - b. Mini High platforms and ramps
5. Pedestrian rail crossings(1a-1b, 1c-1d, 6a-6b, 6c-6d)
6. Access to public amenities
  - a. Ticket Vending/validation machines (TVM),
  - b. Drinking fountain
  - c. Communication Systems-passenger information phones, blue emergency phones, yellow call boxes, service phones, emergency phones.
  - d. Trash cans,
  - e. Vending machines
  - f. Benches
7. Accessible parking spaces
8. Bus stops
9. Signage
10. Public Address Systems
11. Staff facilities
  - a. Security Staff Facility
  - b. Dumpster.




**Year of Construction:** Station- 03/12/2010



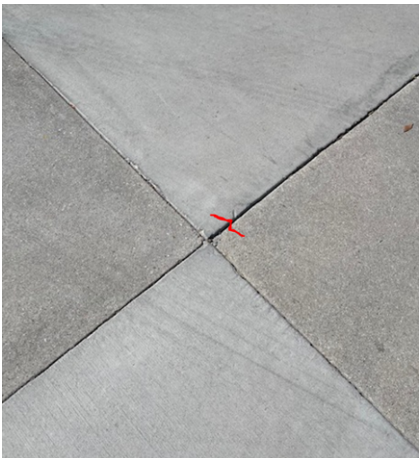
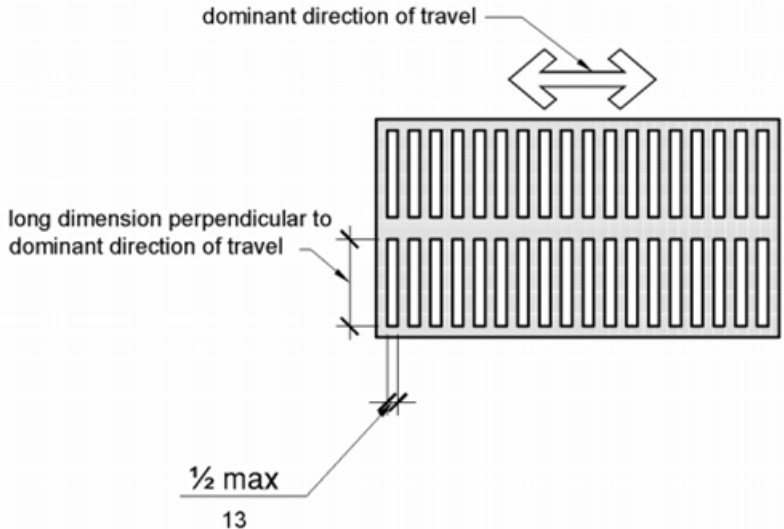
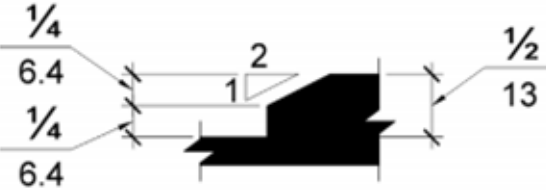

**Applicable ADA Standards:** DOT's ADA standards (2006), and DOJ 2010 ADA Standards.

**Note:** Criteria used to assess the elements were based on DOJ 2010 standards, DOT's ADA standards (2006), DIB 82-06, and PROWAG



Issues/ Barriers Identified	Recommendations	Comments/ ADA Requirements
<div>1. Curb Ramps</div> <div>1a, 1b OK 1c, 1d -OK 2a, 2b- OK 3a, 3b, 4a, 4b- (Not in RCTC's scope. Detectable Warning Surface (DWS) is missing. 5a, 5b, 5c- OK (Handrail on one side only at 5b) 6a, 6b- OK 6c 6d OK</div> <div><div>3a,3b</div><div>5b</div><div></div></div>	<div>No action.</div> <div>At 3a, 3b, 4a and 4b, City to apply missing Detectable Warning Surfaces as per applicable DOT/ FHWA/Caltrans requirements and R208, PROWAG</div> <div>5b – No action.</div>	<div>Ramps at 5a and 5c have a rise more than 6 inches. No handrails are provided. Ramp at 5b is 198 inches wide with a 6% slope. The railing is provided only on one side. This is still compliant with PROWAG R409 for exterior pedestrian circulation paths.</div> <div><b>R208 Detectable Warning Surfaces (DWS)</b> R208.1 Where Required Detectable warning surfaces complying with R305 shall be provided at the following locations on pedestrian access routes and at transit stops: Curb ramps and blended transitions at pedestrian street crossings; Pedestrian refuge islands; Pedestrian at-grade rail crossings not located within a street or highway; Boarding platforms at transit stops for buses and rail vehicles where the edges of the boarding platform are not protected by screens or guards; and Boarding and alighting areas at sidewalk or street level transit stops for rail vehicles where the side of the boarding and alighting areas facing the rail vehicles is not protected by screens or guards</div> <div>This evaluation does not include curb ramps outside the RCTC boundary. RCTC is not responsible for maintaining the accessible routes outside of RCTC boundary.</div> <div>When repairs begin, use proper and precise instruments (4-foot smart level and 2-foot smart level) to fit within the curb ramp width and the adjacent gutter to measure ramp slopes, cross slopes, and counter slopes at all curb ramps (all stations). The long slope of ramp shall not exceed 1:12 (8.33%). Slope of flared sides shall not exceed 1:10 (10%), the gutter slope shall not exceed 1:20 (5%). Cross slope of the ramp and landing shall not exceed 1:50 (2%)</div> <div>Use smart level instruments, calibrated in accordance with manufacturer's instructions before taking measurements.</div>




Issues/ Barriers Identified	Recommendations	Comments/ ADA Requirements
<p><b>2. Pedestrian Road crossings</b></p> <p>Pedestrian crossing at 2a, 2b has cracks, level changes more than ¼" high, and gaps in excess of ½" wide and ¼" deep.</p>   	<p>Examine all pedestrian crossings and repair all cracks.</p> <p>Every joint in concrete deeper than ¼" and wider than ½" shall be filled.</p> <p>Every level change along the accessible route greater than ¼" and less than ½" height needs to be beveled (1:2) slope or repaired.</p> <p>Every level change greater than ½" needs to have a ramped surface (1:12) slope.</p>	 <p><b>Figure 302.3</b> Elongated Openings in Floor or Ground Surfaces</p>  <p><b>Figure 303.3</b> Beveled Change in Level</p>  <p><b>Figure 303.2</b> Vertical Change in Level</p>
a) Pedestrian Push Button- Not Applicable	No action by RCTC	









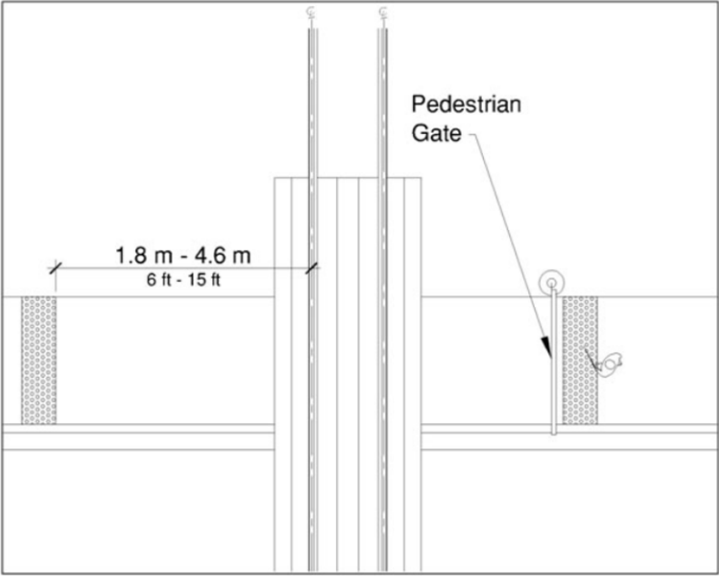
Issues/ Barriers Identified	Recommendations	Comments/ ADA Requirements
3. Accessible Routes		
a) Walking surface		
<div>i. Access aisles at parking stalls have cracks and level changes more than ¼” high and gaps in excess of ½” wide and ¼” deep.</div> <div></div>	Same as item 2 above	Same as item 2 above





Issues/ Barriers Identified		Recommendations	Comments/ ADA Requirements
ii. Utility covers have gaps/openings wider than 1/2" and deeper than 1/4" 		Close gaps and openings wider than 1/2" and deeper than 1/4", and, remove trip hazards in the accessible route or replace with ADA complaint covers.	Same as item 2 above
<b>4. Platforms</b>			
a. Walking Surfaces			
i. General: Joints and gaps in concrete to be maintained for compliance with 302.3, 303.2, and 303.3.		<p>Examine all pedestrian crossings and repair all cracks.</p> <p>Every joint in concrete deeper than 1/4" and wider than 1/2" shall be filled.</p> <p>Every level change along the accessible route greater than 1/4" and less than 1/2" height needs to be beveled (1:2) slope or repaired.</p> <p>Every level change greater than 1/2" needs to have a ramped surface (1:12) slope.</p>	Same as item 2 above


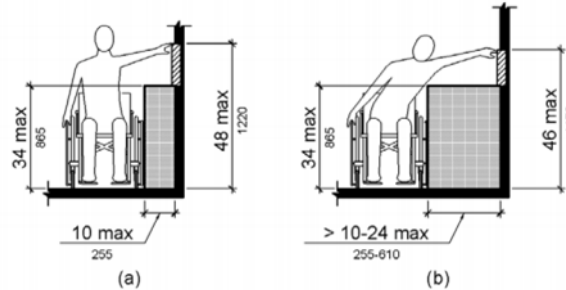
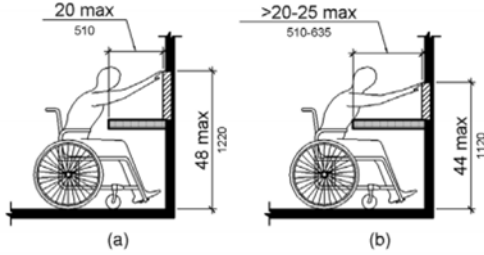
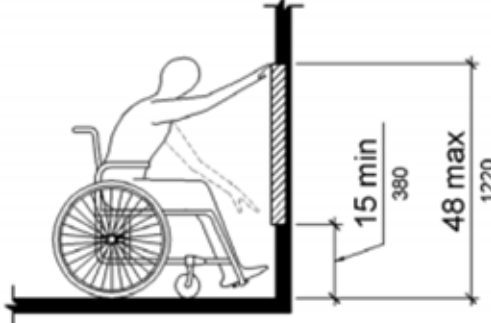


Issues/ Barriers Identified	Recommendations	Comments/ ADA Requirements
b. Mini High Platforms and Ramps	No Issues found	
5. Pedestrian Rail Crossings		
<div>a. Wheel Flange gap</div> <div></div> <div><b>1a/1b</b> At 1a/1b the wheel flangeway filler is placed outside of the marked crossing. The flange gap in the marked crossing exceeds 2 ½”</div>	<div>Clarify that the accessible route is within the marked crossing directly in front of the DWS.</div> <div>Examine and repair gaps at all track crossings.</div> <div>Replace flangeway fillers to allow the wheel flange gap to be no greater than 2½” wide within the marked crossing.</div>	<div></div> <div><b>Figure 810.10 (Exception) Track Crossings</b></div>
<div></div> <div><b>6a/6b</b></div> <div><b>6c/6d</b></div>	<div>Examine and repair gaps at all track crossings.</div> <div>Flangeway filler needs to be replaced/maintained regularly to make sure that gap measures no greater than 2½”.</div>	<div>Cross slope is less than 2% at all crossings, which is compliant.</div>

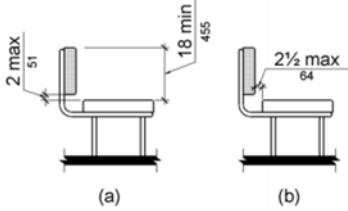
Issues/ Barriers Identified	Recommendations	Comments/ ADA Requirements
<p>b. Placement of the DWS exceeds the allowed 15 feet maximum and does not comply with PROWAG R305.2.5</p> 	<p>Add additional DWS to comply with requirements.</p> <p>Examine the distance of the DWS at all track crossings and provide compliant placement, depth, and width.</p>	<p><b>R305.2.5 Pedestrian At-Grade Rail Crossings</b> <a href="#">↗</a></p> <p>At pedestrian at-grade rail crossings not located within a street or highway, detectable warning surfaces shall be placed on each side of the rail crossing. The edge of the detectable warning surface nearest the rail crossing shall be 1.8 m (6.0 ft) minimum and 4.6 m (15.0 ft) maximum from the centerline of the nearest rail. Where pedestrian gates are provided, detectable warning surfaces shall be placed on the side of the gates opposite the rail.</p> <p><b>Figure R305.2.5 Pedestrian At-Grade Rail Crossings</b></p> 
<p>c. DWS appears to not extend 36 inches in the direction of travel. 24 inches is allowed per 2010 ADA Standards</p>	<p>Examine DWS at all track crossing locations and provide 36 inches wide DWS, located no more than 15 feet from center of nearest track in accordance with DIB-82-06 per Caltrans</p>	<p><b>DIB-82—06 4.3.14:</b> Detectable warning surfaces shall extend 3 feet in the direction of pedestrian travel.</p>
<p>d. Level changes in excess of ¼” were observed in the asphalt adjacent to the crossing, creating a trip hazard.</p>	<p>Remove trip hazards on all accessible routes.</p>	




Issues/ Barriers Identified	Recommendations	Comments/ ADA Requirements
<b>6. Amenities</b>		
a) TVM's		
<p>TVM's are not in RCTC's scope. However, they are considered as being compliant to ADA requirements per information found on website <a href="https://metrolinktrains.com/ticketsOverview/where-to-buy/ticket-machines/">https://metrolinktrains.com/ticketsOverview/where-to-buy/ticket-machines/</a></p> 	<p>Adequate clear space is provided at TVM's. No action.</p>	
b) Drinking Fountains		
<p>Drinking Fountain: Water flow to be tested</p> 	<p>Adjust water flow.</p>	<p>602.6 Water Flow. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum.</p>


Issues/ Barriers Identified		Recommendations	Comments/ ADA Requirements
c) Telephones/ Communication Systems		See Attachment 9, Action Plan for recommendations	Clear space and reach ranges are found to be compliant. All instruments are to be tested regularly for compliance by the responsible authorities.
i. Passenger Information Phone:		No action by RCTC	<p>704.2.1 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided. The clear floor or ground space shall not be obstructed by bases, enclosures, or seats.</p> <p>704.2.2 Operable Parts. Operable parts shall comply with 309. Telephones shall have push-button controls where such service is available.</p>
		No action by RCTC	 <p>Figure 308.3.2 Obstructed High Side Reach</p>  <p>Figure 308.2.2 Obstructed High Forward Reach</p>
ii. Blue Emergency Phones:		No action by RCTC	<p><b>308.2 Forward Reach.</b></p> <p><b>308.2.1 Unobstructed.</b> Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.</p>  <p>Figure 308.2.1 Unobstructed Forward Reach</p>
d) Trash cans			
No issues found.			



Issues/ Barriers Identified	Recommendations	Comments/ ADA Requirements
e) Vending Machines		
Not under RCTC’s authority. No issues found with heights of operable components.	No action by RCTC	The Americans with Disabilities Act (ADA) requires all operable components of the vending machine to be between 15” and 48” up from the floor.
f) Benches		
Benches: Concrete benches are higher than 19 inches and do not comply with ADA Section 903 and there are no back supports. This is technically not a violation as Section 903 applies to indoor benches only.	It is a recommendation to apply Section 903 standards to benches in outdoor public environments, in order to ensure seating opportunities for people of all mobility.	<div><p>Figure 903.4 Bench Back Support</p><p><b>903.5 Height.</b> The top of the bench seat surface shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the finish floor or ground.</p><p><b>903.2 Clear Floor or Ground Space.</b> Clear floor or ground space complying with 305 shall be provided and shall be positioned at the end of the bench seat and parallel to the short axis of the bench.</p><p><b>R212.6 Benches.</b> At least 50 percent, but no less than one, of benches at each location shall provide clear space complying with R404 adjacent to the bench. The clear space shall be located either at one end of the bench or shall not overlap the area within 460 mm (1.5 ft) from the front edge of the bench. Benches at tables are not required to comply.</p><p><b>Advisory R212.6 Benches.</b> Benches that provide full back support and armrests to assist in sitting and standing are more usable by pedestrians with disabilities.</p></div>

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7. Parking																										
Total number of parking space count including 25 accessible spaces = 528	No action by RCTC. Number of ADA and van accessible spaces is compliant	<p><b>208.2 Minimum Number.</b> Parking spaces complying with 502 shall be provided in accordance with Table 208.2 except as required by 208.2.1, 208.2.2, and 208.2.3. Where more than one parking facility is provided on a site, the number of accessible spaces provided on the site shall be calculated according to the number of spaces required for each parking facility.</p> <p>Table 208.2 Parking Spaces</p> <table><tr><th>Total Number of Parking Spaces Provided in Parking Facility</th><th>Minimum Number of Required Accessible Parking Spaces</th></tr><tr><td>1 to 25</td><td>1</td></tr><tr><td>26 to 50</td><td>2</td></tr><tr><td>51 to 75</td><td>3</td></tr><tr><td>76 to 100</td><td>4</td></tr><tr><td>101 to 150</td><td>5</td></tr><tr><td>151 to 200</td><td>6</td></tr><tr><td>201 to 300</td><td>7</td></tr><tr><td>301 to 400</td><td>8</td></tr><tr><td>401 to 500</td><td>9</td></tr><tr><td>501 to 1000</td><td>2 percent of total</td></tr><tr><td>1001 and over</td><td>20, plus 1 for each 100, or fraction thereof, over 1000</td></tr></table>	Total Number of Parking Spaces Provided in Parking Facility	Minimum Number of Required Accessible Parking Spaces	1 to 25	1	26 to 50	2	51 to 75	3	76 to 100	4	101 to 150	5	151 to 200	6	201 to 300	7	301 to 400	8	401 to 500	9	501 to 1000	2 percent of total	1001 and over	20, plus 1 for each 100, or fraction thereof, over 1000
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76 to 100	4																									
101 to 150	5																									
151 to 200	6																									
201 to 300	7																									
301 to 400	8																									
401 to 500	9																									
501 to 1000	2 percent of total																									
1001 and over	20, plus 1 for each 100, or fraction thereof, over 1000																									
8. Bus Stops																										
No issues found with bus stops within the RCTC boundary. Concrete has been ground to eliminate level changes 	Examine regularly and maintain accessible routes to permit safe ambulation.	<b>810.2.3 Connection.</b> Bus stop boarding and alighting areas shall be connected to streets, sidewalks, or pedestrian paths by an accessible route complying with 402.																								
9. Signage																										
a) Post mounted signs in the accessible route were evaluated to confirm minimum/ maximum projections and minimum clearances from the finished floor. Standard station signage is required to comply with SCRRA /Metrolink standard details (ES 3000) found at this link. <a href="https://metrolinktrains.com/globalassets/about/engineering/3000-stations.pdf">https://metrolinktrains.com/globalassets/about/engineering/3000-stations.pdf</a>	No action by RCTC. Signage is by SCRRA/Metrolink	<b>810.6 Rail Station Signs.</b> Rail station signs shall comply with 810.6. EXCEPTION. Signs shall not be required to comply with 810.6.1 and 810.6.2 where <b>audible signs are remotely transmitted to hand-held receivers, or are user- or proximity-actuated.</b>  SCRRA/Mertolink is responsible for the signage.																								



Issues/ Barriers Identified	Recommendations	Comments/ ADA Requirements
<b>10. Public Address</b>		
There are LCD/LED Message screens at the stations that will show information that is conveyed on the public address system, both of which are controlled by SCRRRA. These are not under RCTC's authority.	No action by RCTC	810.7 Public Address Systems. Where public address systems convey audible information to the public, the same or equivalent information shall be provided in a visual format.
Written Emergency Evacuation procedures were not available	Update any existing emergency evacuation procedures to include evacuation of individuals with disabilities during an emergency.	Special procedures are required for assisting individuals with disabilities from a facility during an emergency.
<b>11. Staff Facilities</b>		
a) Security Staff Facilities		
<p>The guard booth is provided as a shelter against weather and for use during breaks by security staff, who are expected to walk around the station site and physically address emergency situations.</p> 	Inform all contractors of their ADA obligations	Station Security services are contracted out and an ADA evaluation of the facilities used by the station security was not conducted as it is not Public Accessible and the Security Contractor requirements require the guards to be able to walk around the station site and physically address emergency situations.
b) <u>Trash / Dumpster Enclosure</u>		
The trash dumpster is on an ADA compliant route and provided with accessible gate	No Action	<b>203.9 Employee Work Areas.</b> Spaces and elements within employee work areas shall only be required to comply with 206.2.8, 207.1, and 215.3 and shall be designed and constructed so that individuals with disabilities can approach, enter, and exit the employee work area.