

Evaluation of Physical Barriers- La Sierra Station

Address: 10901 Indiana Avenue, Riverside, CA 92503

Evaluation Date: 07-20-2021







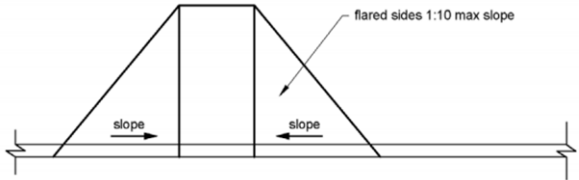
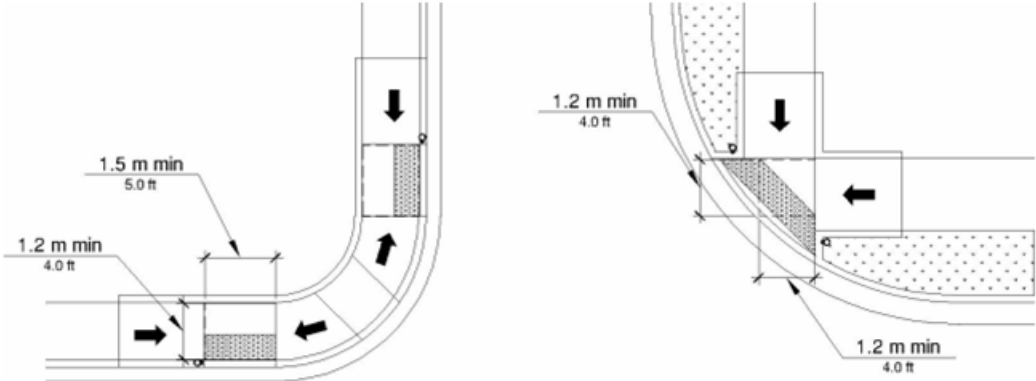
- These elements were assessed to identify any physical barriers:
- 1) Curb ramps (1a-1b, 2a-2b, 3a-3b, 4a-4b, 5a-5b, 6a-6b, 7a)
 - 2) Pedestrian road crossings
 - a) Pedestrian push button signals (where applicable)
 - 3) Accessible routes
 - a) Walking surfaces
 - b) Pedestrian Bridge
 - c) Stairs
 - d) Ramps
 - 4) Platforms
 - a) Walking surfaces
 - b) Mini High platforms and ramps
 - 5) Pedestrian rail crossings
 - 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
 - c) Staff Toilet.

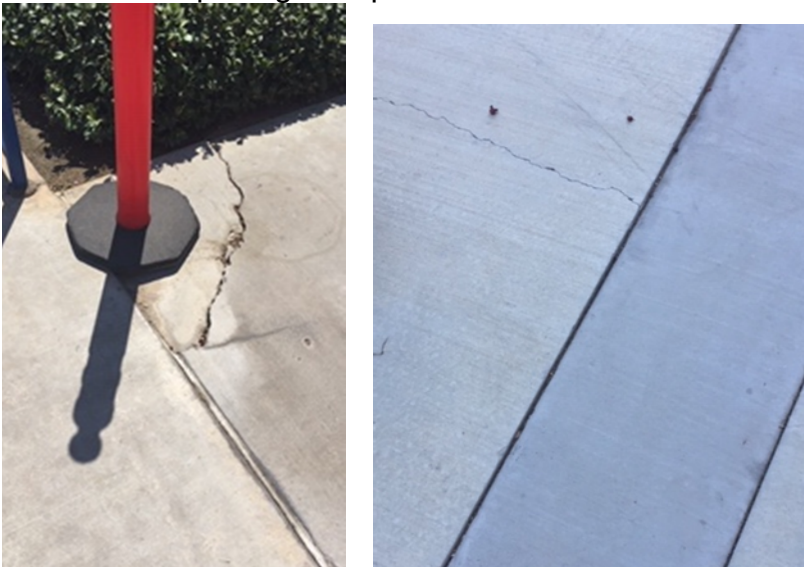
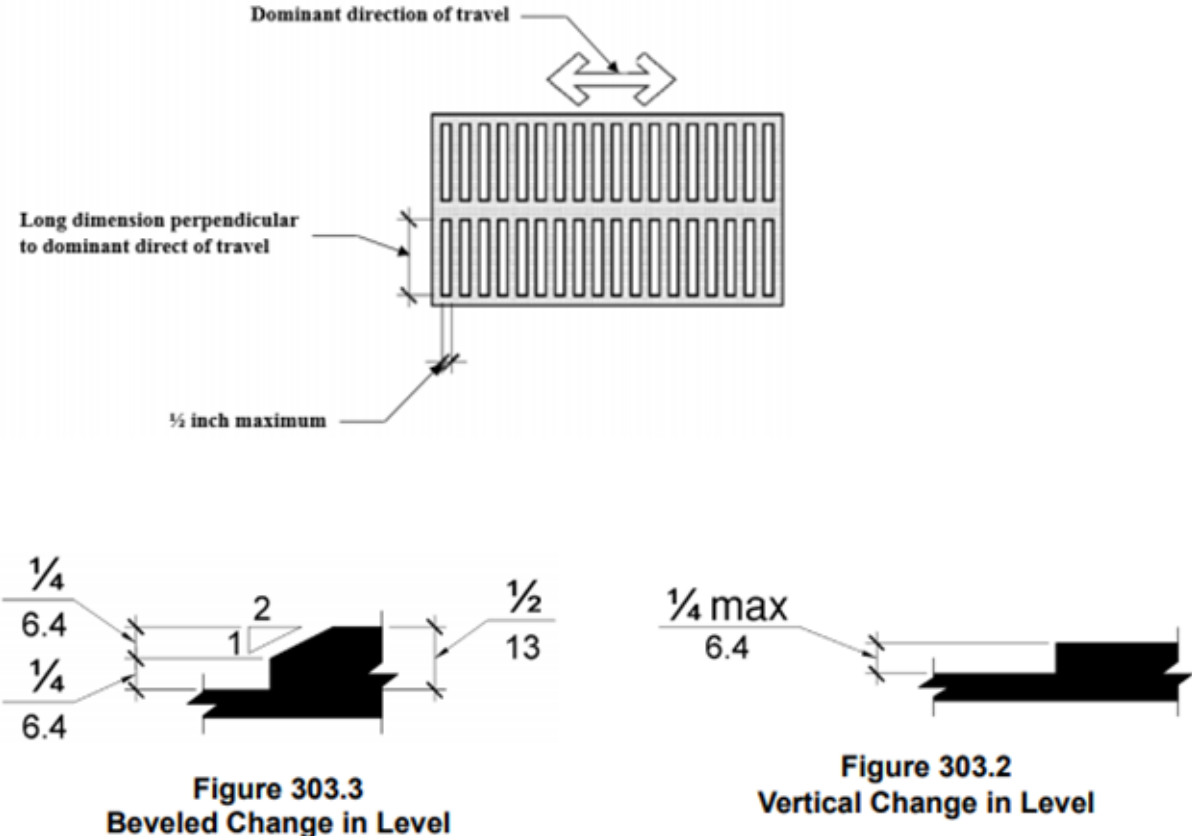
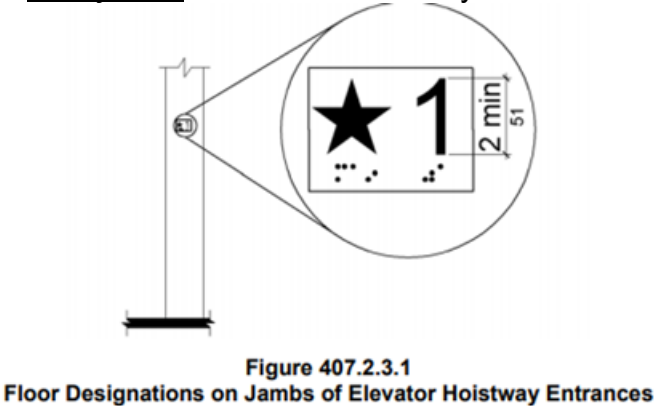

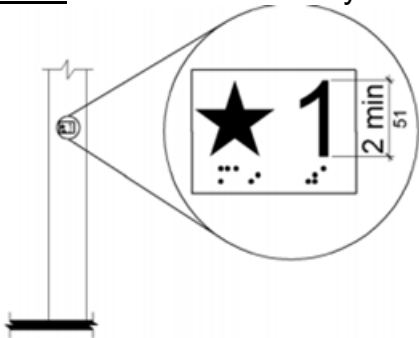
Year of Construction: 11/8/1995; Alterations and Additions: Pedestrian Crossing: 1/21/2003, Parking lot expansion and covered parking: 3/20/2003, parking lot expansion phase II: 12/31/2019


Applicable ADA Standards: 1991 Standards or UFAS, DOT's ADA standards (2006), and DOJ 2010 ADA Standards.


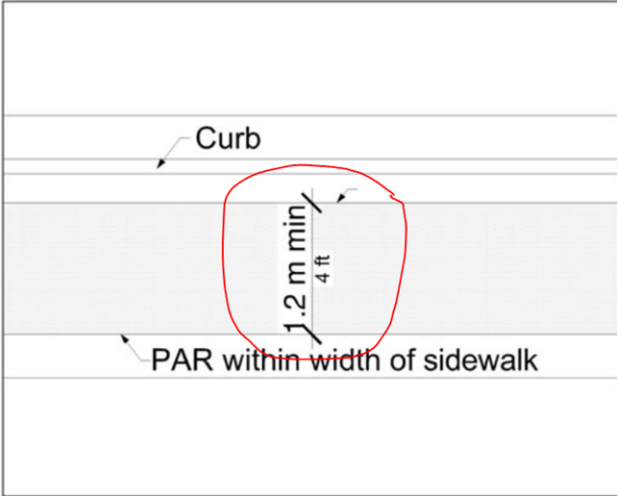
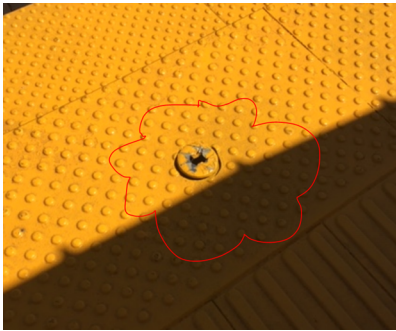
Note: Criteria used to assess the elements were based on DOJ 2010 standards, DOT's ADA standards (2006), DIB 82-06, and PROWAG. Elements where the safe harbor clause per 28 CFR 35.151 (b) (4) (ii) (C) applies are assessed against 1991 standards.



28 CFR 35.151 (b) (4) (ii) (C) Safe harbor. If a public entity has constructed or altered required elements of a path of travel in accordance with the specifications in either the 1991 Standards or the Uniform Federal Accessibility Standards before March 15, 2012, the public entity is not required to retrofit such elements to reflect incremental changes in the 2010 Standards solely because of an alteration to a primary function area served by that path of travel.




Issues/ Barriers Identified	Recommendations	Comments/ADA Requirements
<div>1. Curb Ramps</div> <div>1a, 1b- (Not in RCTC's scope)</div> <div>2a- Flared side slope exceeds 1:10 (11.1%)</div> <div>2b OK</div> <div>3a, 3b- OK</div> <div>4a- Ok</div> <div>4b –Trip hazard = +1/4” joint</div> <div>5a, 5b- (Not in RCTC's scope)</div> <div>6a- Gutter slope appears to be more than 5%. Extent of DWS along the curved segment does not match Case CM of CA standard plan A88B.</div> <div>6b- (Not in RCTC's scope)</div> <div>7a- Missing Detectable Warning Surface (DWS). Turning space at bottom of ramp is not 48 in wide at the back.</div> <div><div><div>2a</div></div><div><div>4b</div></div><div><div>6a</div></div><div><div>7a</div></div></div>	<div>2a Repair flared sides of curb ramps to comply with 406.3</div> <div>4b Remove the trip hazard. Provide flush transitions adjacent to curb ramps.</div> <div>6a Repair gutter slope and reapply DWS in dominant direction of travel in entirety as shown for Case CM of CA Standard plan A 88B</div> <div>7a – Provide DWS in landing and modify sidewalk per PROWAG R 304.3.1</div>	<div><div><div>Figure 406.3 Sides of Curb Ramps</div></div><div>2a Standard Plan A88B</div><div><div><div>Figure R304.3.1 Turning Space</div></div><div>6a Case CM of CA</div></div><div><p>406.3 Sides of Curb Ramps. Where provided, curb ramp flares shall not be steeper than 1:10.</p><p>R304.3 Parallel Curb Ramps. Parallel curb ramps shall comply with R304.3 and R304.5.</p><p>R304.3.1 Turning Space. A turning space 1.2 m (4.0 ft) minimum by 1.2 m (4.0 ft) minimum shall be provided at the bottom of the curb ramp and shall be permitted to overlap other turning spaces and clear spaces. If the turning space is constrained on 2 or more sides, the turning space shall be 1.2 m (4.0 ft) minimum by 1.5 m (5.0 ft). The 1.5 m (5.0 ft) dimension shall be provided in the direction of the pedestrian street crossing.</p><p>This evaluation does not include curb ramps outside the RCTC boundary. RCTC is not responsible for maintaining the accessible routes outside of RCTC boundary.</p><p>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%)</p><p>Use smart level instruments, calibrated in accordance with manufacturer's instructions before taking measurements.</p></div></div>



Issues/ Barriers Identified	Recommendations	Comments/ADA Requirements
2. Pedestrian Road crossings		
No Issues found.		Maintain all accessible routes per item 3.
a) Pedestrian Push Button- Not Applicable	No action by RCTC	
3. Accessible Routes		
a) Walking surface		
i. General: Repair accessible route where there are uneven joints and where cracks are observed in concrete along the accessible route. Sealant/filler in some deep joints is missing. This causes trip hazards and creates openings deeper than ¼” and wider than ½ inch. 	Every joint in concrete deeper than ¼” and wider than ½” shall be filled. Every level change along the accessible route greater than ¼” and less than ½” height needs to be beveled (1:2) slope or repaired. Every level change greater than ½” needs to have a ramped surface (1:12) slope.	  Figure 303.3 Beveled Change in Level  Figure 303.2 Vertical Change in Level 303 Changes in Level
b) Elevator		
i. Floor designation is missing from one jamb on the North tower elevator	Replace missing designator.	407.2.3.1 Floor Designation. Floor designations complying with 703.2 and 703.4.1 shall be provided on <u>both jambs</u> of elevator hoistway entrances.  Figure 407.2.3.1 Floor Designations on Jambs of Elevator Hoistway Entrances


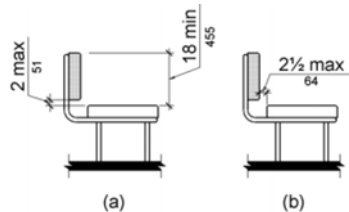
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<p>ii. Audible signals which sound as the car passes or is about to stop at a floor are rather low and missed especially when a train passes the station [407.4.8]</p>	Check the annual elevator certification for compliance with all code and ADA requirements.	For new elevators, the audible signal and verbal annunciator shall be 10 dB minimum above ambient, but shall not exceed 80 dB, measured at the hall call button.
<p>iii. Two way communication system: Confirm compliance with ASME A17.1 for the communication system. The use of a handset by the communications system is prohibited.</p> 		Advisory 105.2.2 ASME. The communication system must be push button activated. The activation button must be permanently identified with the word "HELP." A visual indication acknowledging the establishment of a communications link to authorized personnel must be provided. The visual indication must remain on until the call is terminated by authorized personnel. The building location, the elevator car number, and the need for assistance must be provided to authorized personnel answering the emergency call. The use of a handset by the communications system is prohibited. Only the authorized personnel answering the call can terminate the call. Operating instructions for the communications system must be provided in the elevator car
c) Pedestrian Bridge		
No issues found		
d) Stairs		
No issues found	No action by RCTC	
e) Ramps		
Not applicable	No action by RCTC	


Issues/ Barriers Identified	Recommendations	Comments/ADA Requirements
4. Platforms		
a. Walking Surfaces		
<div><div>i. The wheel of rolling gate in open position on the North platform protrudes into the already narrow width, reducing it to 40 inches from the DWS. This is compliant with the 36 inches required by 2010 ADA standards, but it is less than 48 inches required by PROWAG for pedestrian circulation paths.</div><div></div></div>	<div>Replace gate with accordion gates or replace gate hardware with one that allows at least 48 inches circulation width in compliance with PROWAG R302.3.</div>	<div><div>Figure R302.3 Continuous Width</div><div></div><div>The continuous clear width requirements in PROWAG R302.3 apply to sidewalks and other pedestrian circulation paths.</div></div>
b. Mini High Platforms and Ramps		
<div><div>i. Escutcheon plate for the rail post in the center of the tactile warning strip is damaged and causes a trip hazard. This occurs at South platform, mini high platform at the west end.</div><div></div></div>	<div>Repair and remove trip hazard</div>	



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5. Pedestrian Rail Crossings		
<p>Pedestrian rail crossing within the station is used for emergency access only.</p> 	<p>No action by RCTC</p>	<p>Rail crossing at this station is not on an accessible route and is not meant for public use during normal conditions</p>
6. Amenities		
<p>a) TVM's</p> <p>TVM's are not in RCTC's scope. However, they are considered as being compliant to ADA requirements per information found on website https://metrolinktrains.com/ticketsOverview/where-to-buy/ticket-machines/</p> 	<p>Adequate clear space is provided at TVM's. No action.</p>	


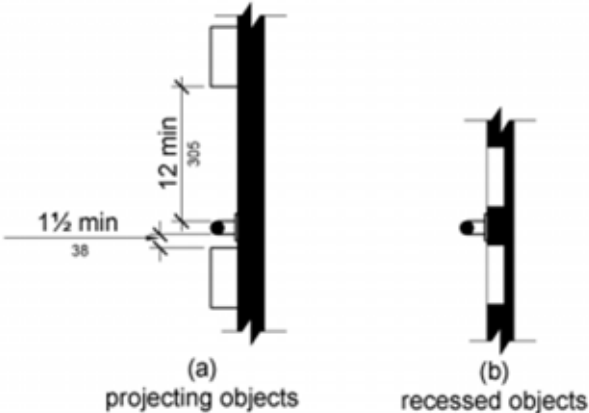
Issues/ Barriers Identified	Recommendations	Comments/ADA Requirements
b) Drinking Fountains		
<p>Drinking Fountain: Water flow to be tested</p> 	Adjust water flow.	602.6 Water Flow. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from 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.
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.
<p>i. Passenger Information Phone:</p> 	No action by RCTC	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. 704.2.2 Operable Parts. Operable parts shall comply with 309. Telephones shall have push-button controls where such service is available.
<p>ii. Blue Emergency Phones:</p> 	No action	

Issues/ Barriers Identified		Recommendations	Comments/ADA Requirements
iii.	<div>Yellow call boxes: Yellow call boxes are not on an accessible route</div> <div></div>	Provide yellow call boxes or equivalent facility on the accessible route.	
iv.	<div>Service Phone: Call from this speaker phone goes directly to RTA dispatch. It is not confirmed if equal accessibility for individuals who are deaf, hard of hearing, or have a speech impairment is available.</div> <div></div>	Provide equal accessibility for individuals who are deaf, hard of hearing, or have a speech impairment.	
d) Trash cans			
No issues found.			

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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																																																		
<div>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.</div> <div></div>	Provide ADA compliant benches with back supports. 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>903.5 Height. 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></div> <div>903.2 Clear Floor or Ground Space. 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.</div> <div>R212.6 Benches. 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.</div> <div>Advisory R212.6 Benches. Benches that provide full back support and armrests to assist in sitting and standing are more usable by pedestrians with disabilities.</div>																																																
7. Parking																																																		
<div>Parking Inventory</div> <table><tr><th>Item</th><th>Quantity</th></tr><tr><td>Parking Lots</td><td>1</td></tr><tr><td>Parking Spaces</td><td>1031</td></tr><tr><td>ADA Spaces</td><td>25</td></tr><tr><td>Rideshare Spaces</td><td>9</td></tr><tr><td>Motorcycle Spaces</td><td>5</td></tr><tr><td>Electric Vehicle Spaces</td><td>None</td></tr><tr><td>Total Current Spaces</td><td>1065</td></tr><tr><td>Parking Capacity</td><td></td></tr><tr><td>Parking Utilization</td><td></td></tr><tr><td>Future Plans</td><td></td></tr><tr><td>None</td><td></td></tr></table> <div>i. Additionally, 429 parking spaces and 12 ADA spaces in parking lot extension.</div>	Item	Quantity	Parking Lots	1	Parking Spaces	1031	ADA Spaces	25	Rideshare Spaces	9	Motorcycle Spaces	5	Electric Vehicle Spaces	None	Total Current Spaces	1065	Parking Capacity		Parking Utilization		Future Plans		None		No action by RCTC. Number of ADA and van accessible spaces is compliant with 1991 ADA standards applicable at the time of construction of the station.	<div>208.2 Minimum Number. 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.</div> <div>Table 208.2 Parking Spaces</div> <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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<p>ii. White colored “NO PARKING” letters on the light concrete surface of access aisles do not offer a visual contrast</p> 	It is a recommendation to rectify the visual contrast at text descriptors in parking aisles.	<p>503.3.3 Marking. Access aisles shall be marked so as to discourage parking in them.</p> <p>703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.</p> <p>Advisory 703.5.1 Finish and Contrast. Signs are more legible for persons with low vision when characters contrast as much as possible with their background. Additional factors affecting the ease with which the text can be distinguished from its background include shadows cast by lighting sources, surface glare, and the uniformity of the text and its background colors and textures</p>
8. Bus Stops		
No issues found with bus stops within the RCTC boundary	Maintain accessible route to bus stops	810.2.3 Connection. <i>Bus stop boarding and alighting areas shall be connected to streets, sidewalks, or pedestrian paths by an accessible route complying with 402.</i>
9. Signage		
<p>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. https://metrolinktrains.com/globalassets/about/engineering/3000-stations.pdf</p>	No action by RCTC. Signage is by SCRRA/Metrolink	<p>810.6 Rail Station Signs. 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 audible signs are remotely transmitted to hand-held receivers, or are user- or proximity-actuated.</p> <p>SCRRA/Mertolink is responsible for the signage.</p>
10. Public Address		Not under RCTC’s authority. Assessed for general complince to ADA standards
<p>i. 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 SCRRA. These are not under RCTC’s authority.</p>	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.
<p>ii. Written Emergency Evacuation procedures were not available</p>	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.

Issues/ Barriers Identified	Recommendations	Comments/ADA Requirements
11. Staff Facilities		
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> 	<p>Inform all contractors of their ADA obligations</p>	<p>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.</p>
b) <u>Trash / Dumpster Enclosure</u>		
<p>The trash dumpster is on an ADA compliant route but the gate is not accessible.</p> 	<p>Provide accessible gate to dumpster</p>	<p>203.9 Employee Work Areas. 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.</p>

Issues/ Barriers Identified	Recommendations	Comments/ADA Requirements
c) Staff Toilet		
i. The restrooms are not for public use but are accessible. Identification sign and ISA symbol is missing.	If signs are provided, provide ADA compliant wall sign with the accessibility symbol in addition to the Unisex symbol sign. Or remove all signs if toilets are restricted to employees only.	Since general public may be allowed to use the staff toilets in stations, upon requesting the security staff, RCTC should have a written policy of providing guidance/ assistance to users with disabilities if they make a request to use the ADA compliant staff toilets.
ii. Seat cover dispenser location does not comply with 609.3 	If the seat cover dispenser is not fully recessed, it needs to move 12 inches above the grab bar to comply with 609.3	 <p>Figure 609.3 Spacing of Grab Bars</p>