

**Sedgwick County, Kansas – Sedgwick County Zoo
Americans with Disabilities Act Transition Plan
(5555 Zoo Boulevard)**

December 2006



Prepared by

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In conjunction with

Sedgwick County and the Wichita/Sedgwick County Access Advisory Board

Note: It should be understood that some minor exceptions exist in ADAAG and Title II regulations pertaining to the accessibility of zoos.

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Locations		Structural Inconsistencies		Recommended Corrections/Modifications to Ensure Program Access			Criteria – L=low, M=medium, H=high			Supplemental Technical Information			Finalized Actions		
Location	Identified Issue	ADAAG Specifications	Recommended Correction	Priority (overall)	Public Access	Frequency - PWD	Photo #	Conceptual Costs	Support Information	Finalized Correction	Date to be Corrected	Date Completed (Include initial)			
1. Exterior	Path of travel to Learning Center and other Zoo facilities has an abrupt change of level of 30% located between the parking lot level and the sidewalk level, which runs parallel to the street.	4.1.3(11) 4.5.2	According to ADAAG, changes in level up to 1/4 in (6 mm) may be vertical and without edge treatment (see Fig. 7(c)). Changes in level between 1/4 in and 1/2 in (6 mm and 13 mm) shall be beveled with a slope no greater than 1:2 (see Fig. 7(d)). Changes in level beyond 1/2-inch with running slopes greater than 5% are ramps. Essentially, between the sidewalk level and the street level, where a curb would typically exist, the typical curb area is a very steep running slope. Modify this steep slope, wherever pedestrians may cross the slope, so that the running slope does not exceed 5%.	V L ®	H	M	169	\$10,000	ADAAG						
2. Exterior	A steep cross slope exists on the sidewalk, which runs parallel to the street, in front of the Learning Center and other Zoo facilities at 4.5%.	4.37 4.8	According to ADAAG, nowhere shall the cross slope of an accessible route exceed 1:50. The cross slope on the existing sidewalk measures over 4%. Modify the sidewalk so that no cross slopes exist beyond 2%.	V L	H	M	169 170	\$25,000	See Building Block 3 – Ramps , for more information ADAAG						
3. Interior – Learning Center and Adjoining Facilities	The lavatory apron, in the men’s restroom near the Office, is too low at 27-inches high.	4.19	Accessible lavatory aprons are required to be located at a minimum height of 29-inches. Ensure that at least one lavatory complies with ADAAG specifications.	V L	H	M	171	\$500	See Building Block 6 – Accessible Lavatories , for more information						

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4. Interior – Learning Center and Adjoining Facilities	Audible and visual alarms exist throughout the facility, but visual alarms are not provided in every classroom.	4.1.3(14)	According to ADAAG, if emergency warning systems are provided, then they shall include both audible alarms and visual alarms complying with 4.28 . Generally, visual alarms are required to be seen in any space that audible alarms can be heard, this would generally include the installation of visual alarms in all rooms and spaces. Install visual alarms in all classrooms.	V H ®	H	M	N A	\$4,000	ADAAG						
5. Interior – Learning Center and Adjoining Facilities	In the Auditorium, there are no designated wheelchair seating locations, including no companion seats.	4.1.3(19)(a) 4.33	In assembly areas with 51 to 300 total seating locations, 4 wheelchair seating locations are required. ADAAG 4.1.3(19)(a) defines scoping for assembly areas with more than 300 total seating locations. In addition, fixed companion seats are required to exist adjacent to each designated wheelchair seating location. Modify the seating area to include an appropriate number of wheelchair seating locations within the footprint of the seating area, including companion seats. If more than 300 seating locations exist, then wheelchair seating locations should be dispersed to offer a variety of lines of sight comparable to that of the general public.	H	H	M	172 173	\$5,000	See Building Block 15 – Assembly Areas						
6. Interior – Learning Center and Adjoining Facilities	In the Auditorium, an accessible route does not lead to the stage due to steps.	4.33.5	According to ADAAG, an accessible route shall connect stages, arena floors, dressing rooms, locker rooms, and other spaces used by performers. An accessible route does not include steps. Ensure that a portable lift is available when necessary or provide other means of access to the stage.	L	H	M	173	\$5,000	ADAAG						
7. Interior – Learning Center and Adjoining Facilities	In the Auditorium, removable arm rests do not exist on aisle seats.	4.1.3(19)(a)	One percent, but not less than one, of all fixed seats shall be aisle seats with no armrests on the aisle side, or removable or folding armrests on the aisle side. Each such seat shall be identified by a sign or marker. Signage notifying patrons of the availability of such seats shall be posted at the ticket office. Aisle seats are not required to comply with 4.33.4 . Appendix Note . Provide an appropriate number of aisle seats that comply with ADAAG specifications.	H	H	M	171 173	\$8,000	See Building Block 15 – Assembly Areas						

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8. Interior – Learning Center and Adjoining Facilities	In the Auditorium, handrails do not exist along walls on each side of the seating area.	4.8.5	According to ADAAG 4.8.5 : If a ramp run has a rise greater than 6 in (150 mm) or a horizontal projection greater than 72 in (1830 mm), then it shall have handrails on both sides. According to the ADAAG Manual 4.33.5, handrails are not required on the side of ramps that run adjacent to seating in assembly areas. However, in situations where ramps run along seating on one side and a wall on the other side, it is recommended that handrails be installed on the wall-side of the ramp in assembly areas. Provide handrails along the walls on each side of the seating area.	H ®	H	M	173	\$5,000	See Building Block 3 – Ramps , for more information See Attached ADAAG Manual			
9. Interior – Learning Center and Adjoining Facilities	In the Auditorium, exit signs are not also provided in Braille.	4.1.3(16) 4.30.4	Signs that identify permanent rooms and spaces (e.g. room numbers, restrooms, and exit signs) are required to be provided in Braille, mounted at the latch side of the entrance door. Provide Braille signage where exit signs exist. Mount signage per the new ADAAG 703.4.	V H ®	H	M	173	\$500	Signage Specifications for Permanent Rooms and Spaces			
10. Interior – Learning Center and Adjoining Facilities	In the Auditorium, the coat racks are located too high.	4.25.3	Where coat racks or hooks are provided, at least one must comply with reach ranges defined by ADAAG 4.2.5 or 4.2.6 . The new ADAAG further restricts the reach range to a maximum height of 48” A.F.F. Install at least one lowered coat hook (no higher than 48” A.F.F.) making sure not to make the hook a protruding object.	M	H	M	175	\$100	Building Block 10 – Reach Ranges			

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11. Interior – Learning Center and Adjoining Facilities	In the Auditorium, it is not known if an assistive listening system or assistive listening devices are available for individuals who are hard of hearing.	4.1.3(19(b)) 4.33.6	ADAAG requires an assistive listening system to be available either to serve a specific seating area or so that the system can be utilized at any seat in the auditorium. ADAAG also requires that signage be posted notifying patrons that such assistive listening devices are available. Ensure that an appropriate number of assistive listening devices are available upon request and that appropriate signage is posted at the ticket office.	H	H	M	N A	\$5,000	ADAAG						
12. Interior – Learning Center and Adjoining Facilities	The restrooms, located near the Auditorium, are totally inaccessible due to numerous inconsistencies.	4.23	Inconsistencies include, but are not limited to, narrow stall, no Braille signage at entrances, pipes exposed under lavatories, no rear grab bars at water closets, water closets not centered at 18-inches etc. In new construction, ADAAG requires all public restrooms to be fully accessible. Modify both of these restrooms to be fully accessible according to ADAAG specifications. (See Map)	M	H	M	176 177	\$16,000	See Building Block 9 – Accessible Restrooms , for more information						
13. Main Public Entrance	The Admissions counter is located too high at 42-inches.	7.2	ADAAG requires a minimum 36-inch long portion of sales or service counters to be a maximum height of 36-inches. Lower a portion of the existing counter to a maximum height of 36-inches.	H	H	M	180	\$500	ADAAG New ADAAG						
14. Zoo Train (Tram)	The train/tram does not appear to have wheelchair seating locations and does not appear to be lift equipped.	H(a)	According to the ADAAG for Transportation Vehicles, Subpart H(a) - New and used trams consisting of a tractor unit, with or without passenger accommodations, and one or more passenger trailer units, including but not limited to vehicles providing shuttle service to remote parking areas, between hotels and other public accommodations, and between and within amusement parks and other recreation areas, shall comply with this section. Section H(b) states, each tractor unit which accommodates passengers and each trailer unit shall comply with §§1192.25 and 1192.29. In addition, each such unit shall comply with §§1192.23(b) or (c) and shall provide at least one space for wheelchair or mobility aid users complying with §1192.23(d) unless the complete operating unit consisting of tractor and one or more trailers can already accommodate at least two wheelchair or mobility aid users. Ensure that the existing train/tram complies with the ADAAG specifications for Transportation Vehicles or otherwise ensure equivalent services are provided.	M	H	M	181	\$25,000	Transportation Vehicles - Trams						

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15. Restrooms near Gift Shop	Both men’s and women’s restrooms are totally inaccessible due to numerous barriers.	4.23	Inconsistencies include, but are not limited to, narrow stalls, there are no rear grab bars at water closets, pipes exposed under lavatories, entrance doors are very heavy, diaper changing counters are protruding objects, Braille signs at entrances are in wrong location, etc. In new construction, ADAAG requires all public restrooms to be fully accessible. However, this facility is not considered new construction, and therefore falls under the program access provisions of Title II. Each and every public restroom may not need to be made accessible according to program access. We recommend making these restrooms fully accessible, if it is technically feasible to do so, due to the high level of use of this facility and due to the fact that no other accessible restrooms are available in close proximity.	H ®	H	M	182 183 185	\$16,000	See Building Block 9 – Accessible Restrooms , for more information See Map						
16. Koch Orangutan/ Chimp Area	Some of the exhibits on the walls inside the indoor Orangutan and Chimpanzee area are protruding objects.	4.4	Where objects protrude from walls more than 4-inches and their leading edge is higher than 27-inches, these objects are considered protruding objects, which may not be detectable by individuals who are blind and use a cane. Provide a cane detection object or area underneath all pertinent exhibits or otherwise ensure exhibits are not protruding objects.	M ®	H	M	186	\$500	Building Block 2 – 27” to 80” zone						
17. Koch Orangutan/ Chimp Area	Numerous exhibits that provide printed or verbal information, at this location and other locations throughout the Zoo, do not appear to also have this information available in other alternate formats.	TAM II	According to TAM II (Title II Technical Assistance Manual), 7.1000: A public entity must ensure that its communications with individuals with disabilities are as effective as communications with others. In doing so, a public entity is required to make available appropriate auxiliary aids and services where necessary to ensure effective communication. Ensure that all communications at the Zoo are also readily available in alternative format via auxiliary aids or other means.	V H	H	M	187 193	\$1,000	TAM II						

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18. Koch Orangutan/Chimp Area	The ramps leading from this indoor habitat and from the exterior main public path to the elevated outdoor chimpanzee viewing area is too steep at points beyond 15% and does not provide handrails on each side.	4.8	According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. The existing sidewalks have running slopes greater than 5%, measuring up to 15% at intervals. We recommend ensuring at least one fully accessible path of travel to the elevated viewing area or ensuring that a similar viewing area is available and located on an accessible path. ADAAG requires at least one path of travel to accessible facilities. One accessible path would be appropriate in this situation so long as appropriate notification is made available to the public regarding accessible paths and accessible features of the Zoo. Note: If handrails are provided, we believe that traditional handrails would detract from the ambiance and existing setting; therefore use of handrails should be incorporated into the setting maintaining the intended ambiance.	M ®	H	L	1081819	\$10,000	See Building Block 3 – Ramps , for more information						
19. Koch Orangutan / Chimp Area	The ramp leading to the Orangutan hut-like structure has a running slope measuring over 7.5% and does not provide handrails on each side.	4.8	According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. The existing sidewalk has running slopes greater than 5%. We recommend ensuring at least one fully accessible path of travel to the hut or ensuring that a similar experience is available and located on an accessible path. ADAAG requires at least one path of travel to accessible facilities. One accessible path would be appropriate in this situation so long as appropriate notification is made available to the public regarding accessible paths and accessible features of the Zoo. Note: If handrails are provided, we believe that traditional handrails would detract from the ambiance and existing setting; therefore use of handrails should be incorporated into the setting maintaining the intended ambiance. (See Map)	M ®	H	L	1913	\$2,000	See Building Block 3 – Ramps , for more information						

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20. Koch Orangutan / Chimp Area	The pedestrian path, located in front of the Orangutan statue and the path leading downward from the statue are ramps measuring from 7.5% to 9.3% running slopes. These ramps are too steep in places and do not provide handrails on each side.	4.8	According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. The existing sidewalk has running slopes greater than 5%. We recommend ensuring at least one fully accessible path of travel to these areas or ensuring that a similar experience is available and located on an accessible path. ADAAG requires at least one accessible path of travel to accessible facilities. One accessible path would be appropriate in this situation so long as appropriate notification is made available to the public regarding accessible paths and accessible features of the Zoo. Note: If handrails are provided, we believe that traditional handrails would detract from the ambiance and existing setting; therefore use of handrails should be incorporated into the setting maintaining the intended ambiance.	M ®	H	L	194 195	\$5,000	See Building Block 3 – Ramps , for more information			
21. Dinnie’s Area	Both men’s and women’s restrooms here are fully accessible.		Both men’s and women’s restrooms here are fully accessible. See Map				197					
22. Dinnie’s Area	At the vending machine area labled as “Chilly Bin of Lolly Water,” a sloping surface exists in front of the vending machines.	4.3	All walks, halls, corridors, aisles, skywalks, tunnels, and other spaces that are part of an accessible route shall comply with 4.3 . Appendix Note. Nowhere shall the cross slope of an accessible route exceed 1:50. Modify this area so that a flat level surface area exists in front of the vending machines.	V L	H	M	207					
23. Dinnie’s Area	The Billabong water area has steep cross slopes under water release area.	4.3	All walks, halls, corridors, aisles, skywalks, tunnels, and other spaces that are part of an accessible route shall comply with 4.3 . Appendix Note. Nowhere shall the cross slope of an accessible route exceed 1:50. Modify this area so that a flat level surface area exists under the water release area.	V L	H	M	198					

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24. Australia - Area	The entrance and exit doors, to the indoor exhibit area, are too narrow at 30 ½ - inches clear opening width.	4.13.5	Doors, leading to accessible facilities, are required to have a minimum clear opening of at least 32-inches measured with the door open 90-degrees. The existing doors only provide a 30 ½--inches clear opening. Modify at least one leaf of each entrance door to comply with ADAAG specifications by installing fold-away hinges, if it is possible to do so and technically feasible; or otherwise ensuring appropriate clear doorway opening.	M	H	M	2002	\$1,000	See Building Block 8 – Accessible Doors for additional information						
25. Australia - Area	At specific locations along the pedestrian path leading to and from the Australia exhibit area, cross slopes exceed 2%.	4.37	According to ADAAG, nowhere shall the cross slope of an accessible route exceed 1:50. Modify the path of travel so that no cross slopes beyond 1:50 exist.	V L	H	M	2003 2004	\$5,000	ADAAG						
28. South America Area	Entrance and exit doors are too narrow at the exhibit area.	4.13.5	Doors, leading to accessible facilities, are required to have a minimum clear opening of at least 32-inches measured with the door open 90-degrees. Modify at least one leaf of the entrance doors to comply with ADAAG specifications by installing fold-away hinges, if it is possible to do so and technically feasible, or otherwise ensure appropriate clear doorway opening.	M	H	M	N A	\$1,000	See Building Block 8 – Accessible Doors for additional information						
29. South America Area	Some abrupt changes in level beyond ½-inch exist on the paths of travel through this area.	4.1.3(11) 4.5.2	Changes in level up to 1/4 in (6 mm) may be vertical and without edge treatment (see Fig. 7(c)). Changes in level between 1/4 in and 1/2 in (6 mm and 13 mm) shall be beveled with a slope no greater than 1:2 (see Fig. 7(d)). Modify all locations on these pathways so that no abrupt changes exist beyond ½-inch.	M ®	H	M	205	\$2,000	ADAAG						

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30. South America Area	Leading to the display called hippopotamus, the ramp has over a 10% running slope without handrails on each side.	4.8	The slope of the existing ramp is steeper than ADAAG’s maximum of 8.33%. In addition, ADAAG specifies that accessible routes with running slopes greater than 5% provide handrails on each side. The maximum slope of a ramp is 8.33% Provide at least one fully accessible path of travel to this exhibit area, which has handrails on both sides and has appropriate running slopes as defined by ADAAG. (See Map)			H ®	H	M	2 1 0 2 1 1	\$4,000	See Building Block 3 – Ramps , for more information				
32. Pride of the Plains Area	Numerous steep cross slopes exist on path of travel to Pride of the Plains area; and ramps exist without handrails on each side (including the ramp leading toward the tall grass area). In addition, numerous abrupt changes in level exist on these pathways, which exceed ½-inch in height.	4.37 4.8	According to ADAAG, nowhere shall the cross slope of an accessible route exceed 1:50. The cross slopes on the pathway measure up to 4%. According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. The existing path has running slopes greater than 5%. We recommend ensuring at least one fully accessible path of travel to these areas or ensuring that a similar experience is available and located on an accessible path. ADAAG requires at least one accessible path of travel to accessible facilities. One accessible path would be appropriate in this situation so long as appropriate notification is made available to the public regarding accessible paths and accessible features of the Zoo. Note: If handrails are provided, we believe that traditional handrails would detract from the ambiance and existing setting; therefore use of handrails should be incorporated into the setting maintaining the intended ambiance.			H ®	H	M	2 1 5 2 1 7	\$5,000	See Building Block 3 – Ramps , for more information See Map				
33. Pride of the Plains Area	The path of travel leading through the boulders to lion cage is too narrow and has steep cross slopes.	4.3.3	According to ADAAG, the minimum clear width of an accessible route shall be 36 in (915 mm) except at points (see 4.13.5 and 4.13.6), not exceeding 24-inches in length. Ensure a fully accessible path of travel exists leading to the lion cages, which offers similar experiences as other paths.			H	H	M	2 1 6	\$10,000	See Building Block 12 – Accessible Routes Checklist , for more information				

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34. Pride of the Lions Area	Both the men’s and women’s restrooms in this area are totally inaccessible due to numerous inconsistencies.	4.23	Inconsistencies include, but are not limited to, narrow stalls at 45-inches wide, inappropriate maneuvering clearance at the latch pull sides of stall doors, coat hooks too high, toilet paper dispensers located on the wrong side, etc. In new construction, ADAAG requires all public restrooms to be fully accessible. However, this facility is not considered new construction, and therefore falls under the program access provisions of Title II. Each and every public restroom may not need to be made accessible according to program access. We recommend making these restrooms fully accessible, if it is technically feasible to do so, due to the high level of use of this facility and due to the fact that no other accessible restrooms are available in close proximity. (See Map)	H	H	M	2 2 1 1 2 2 2	\$12,000	See Building Block 9 – Accessible Restrooms , for more information						
35. Downing Gorilla Forrest Area	Numerous abrupt changes of level on pathways; running slopes exceeding 10%, no handrails along ramped surfaces. Very steep running slopes exist in numerous locations, including the rope bridge is very steep without appropriate handrails.	4.37 4.8	According to ADAAG, nowhere shall the cross slope of an accessible route exceed 1:50. The cross slopes on the pathway measure up to 4%. According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. The existing path has running slopes greater than 5%. We recommend ensuring at least one fully accessible path of travel to these areas or ensuring that a similar experience is available and located on an accessible path. ADAAG requires at least one accessible path of travel to accessible facilities. One accessible path would be appropriate in this situation so long as appropriate notification is made available to the public regarding accessible paths and accessible features of the Zoo. Note: If handrails are provided, we believe that traditional handrails would detract from the ambiance and existing setting; therefore use of handrails should be incorporated into the setting maintaining the intended ambiance.	H ®	H	M	2 3 0 2 3 1	\$20,000	See Building Block 3 – Ramps , for more information See Map						

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36. Downing Gorilla Forrest Area	A stable, firm and slip resistant surface does not exist leading to the individual play components and play structure exit points; and does not exist in the use zone around any of the play facilities.	15.6.4 ↓ (Acc. Play Areas ↓	Since ADAAG does not specifically provide guidance on how to make play areas accessible, we are required to examine existing federal information, which is currently not part of the ADA and, therefore, not enforceable guidance. Two such documents exist; the Play Areas, Final Rule , October, 18 th , 2000 (Play Areas Final Rule); and the New ADAAG , November 24 th , 2004, Chapter 2, 240 Play Areas and Chapter 10, 1008 Play areas (New ADAAG). In essence, both of the Play Areas Final Rule and New ADAAG are identical and both were created by the U.S. Access Board. The individual and composite play components within this play area are accessible according to the Play Areas – Final Rule. However, Accessible routes do not lead to required accessible play equipment, due to surface cross slopes greater than 1:50, running slopes greater than 1:12, and abrupt changes in level greater than ½-inch. In other words, the existing sand surface is not considered an accessible surface. The composite play structure does have a rubber accessible surface which leads to it, but no such surface leads to other ground level play components. To ensure an accessible route surface, not requiring regular maintenance, which is also impact attenuating, we recommend that one accessible path of travel, be installed which consists of either rubber tiles or poured rubber, leading to each single play component and exit points of the composite play structure. We also recommend that a rubber surface be provide in the use zones of each single play component and the composite play structure However, such rubber surface is not technically required by the available accessibility guidance, but may be required by the general program access provisions of Title II. (Note: A well maintained wood fiber surface, as defined in (Building Block 16) , is also considered accessible under the conditions that such surface is maintained regularly.	M	H	M	2 2 4 2 2 5	\$5,000	See Building Block 16 – Accessible Play Areas , for more information					
37. Downing Gorilla Forrest Area	In both Men and Women’s restrooms the coat hooks are located too high.	4.25.3	Where coat racks or hooks are provided, at least one must comply with reach ranges defined by ADAAG 4.2.5 or 4.2.6 . The new ADAAG further restricts this to a maximum height of 48” A.F.F. Install lowered coat hooks making sure not to make the hooks protruding objects.	L	H	M	2 2 6	\$100	Building Block 10 – Reach Ranges See Map					

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Locations		Structural Inconsistencies		Recommended Corrections/Modifications to Ensure Program Access			Criteria – L=low, M=medium, H=high			Supplemental Technical Information			Finalized Actions		
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38. Downing Gorilla Forrest Area	Seating Area - no wheelchair accessible picnic area.	Out Door Areas 16.5.1 2	Technically, ADAAG nor the Recreational Facilities - Final Rule provide scoping for picnic tables. In addition, neither guideline provides specifications for what would constitute an accessible picnic table. However, the document titled “Accessibility Guidelines for Outdoor Developed Areas” (AGSAPT) does provide both scoping and specifications for accessible picnic tables. These Guidelines (ODA) are neither final rules nor enforceable. 16.5.1.2 states, where two or more fixed picnic tables are provided in a picnic area, at least 50 percent, but never less than two, shall comply with 16.5.4 through 16.5.6. In addition, at least 40 percent, but never less than two, of the accessible picnic tables shall be connected to an outdoor recreation access route complying with 16.3. The seating space shall contain knee space at least 27 inches (685 mm) high, 30 inches (760 mm) wide, and 19 inches (485 mm) deep. Toe clearance 9 inches (230 mm) minimum in height shall extend an additional 5 inches minimum from the knee clearance. The existing picnic tables do not provide appropriate knee clearance. Provide at least two accessible picnic tables.	H	H	M	2 2 8	\$1,000	See the Outdoor Areas document, for more information						
39. Downing Gorilla Forrest Area	Generally, all viewing machines throughout the park are inaccessible (too high) except one we found is at appropriate height for an individual who uses a wheelchair.	A4.2. 4	ADAAG does not provide specific information regarding eye level specifications for individuals who use wheelchairs. However, the ADAAG Appendix, A4.2.4, does provide anthropometric information pertaining to individuals who use wheelchairs. These specifications state that eye level for an adult wheelchair user measures between 43 to 51-inches high. We recommend providing additional viewers that are height adjustable.	M	H	M	2 2 7	\$5,000	Fig A3						

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40. Administration Office	The existing signage, which designates accessible parking spaces, is located too low.	4.1.2(5)(b) 4.6.4	ADAAG requires accessible parking spaces to be located in each parking lot. Accessible parking spaces are required to have upright signage that includes the symbol of accessibility and van accessible signage where required. Such signs are required to be located so they can be seen with a vehicle parked in the space. This requirement can generally be adhered to with the sign mounted at 5-feet high measured to the bottom of the lowest sign. Provide upright signage in front of each existing accessible vehicle parking space, which complies with ADAAG specifications.	L	H	H	2 3 2	\$150	(See Building Block 1 – Accessible Parking , for greater clarification).					
41. Administrative Office	An access aisle exists adjacent to the accessible vehicle parking space, but the paint is faded and it has steep surface slopes.	4.1.2(5)(b) 4.6.3	Supplemental technical information pertaining to ADAAG recommends that accessible vehicle parking spaces and access aisle be demarcated (painted) to ensure appropriate clear widths and to help prevent others from parking this required clear space. The surface slopes of accessible vehicle parking spaces and access aisles are required to be no steeper than 1:50 in any direction. Stripe accessible vehicle parking areas and adjacent access aisles so that the width of each is clearly discernable ensuring that at least one van accessible parking space exists; and modify the surface slope to meet ADAAG specifications. If restriping occurs, ensure that it meets Wichita city code. Note: Wichita city code requires all accessible parking spaces to be 11' wide with a 5' aisle for a total of 16'. ADAAG recognizes these dimensions as universal design.	V L	H	M	2 3 4	\$2,500	(See Building Block 1 – Accessible Parking , for greater clarification).					
42. Administrative Office	The exterior ramp, leading from the accessible parking access aisle to the entrance door does not provide handrails on each side and has a steep cross slope measuring 4.5%.	4.8	ADAAG specifies that accessible routes with running slopes greater than 5% provide handrails on each side. In addition, cross slopes on accessible routes can be no steeper than 1:50 Ensure that a fully accessible path of travel exists leading to the public entrance that complies with ADAAG specification.	L ®	L	M	2 3 4 2 3 5	\$5,000	See Building Block 3 – Ramps , for more information					

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43. Administrative Office	A sloping surface exists at the exterior landing of the public entrance.	4.13.6	ADAAG requires an approximate 60 by 50-inches clear level landing at doors of this type. Modify the exterior landing at this door to comply with ADAAG specifications.	L	L	M	236	\$2,000	See Building Block 8 – Accessible Doors for more information regarding maneuvering space						
44. Administrative Office	The entrance to this facility consists of two off-set doors in series and appropriate maneuvering space does not exist between the two doors.	4.1.3(8) 4.13.7	The minimum space between two hinged or pivoted doors in series shall be 48 in (1220 mm) plus the width of any door swinging into the space. Doors in series shall swing either in the same direction or away from the space between the doors (see Fig. 26). Each door at an accessible entrance should provide appropriate level maneuvering space as defined by 4.13.6 . Modify the clear floor space of the vestibule between the two entrance doors to comply with ADAAG specifications.	M	L	M	236	\$5,000	See Building Block 8 – Accessible Doors for more information regarding maneuvering space						
45. Administrative Office	This facility contains two unisex restrooms, both of which are totally inaccessible due to numerous inconsistencies. One restroom is more accessible than the other and could be made fully accessible due to the existence of appropriate maneuvering space.	4.23	Inconsistencies include, but are not limited to, no 5-foot by 5-foot turning radius, narrow entrance doors, inappropriate clear floor space at fixtures, no grab bars at water closets, toilet seats too low, inappropriate faucet controls on lavatories, lavatory aprons too low, etc. In new construction, ADAAG requires all public restrooms to be fully accessible. However, this facility is not considered new construction, and therefore falls under the program access provisions of Title II. Each and every public restroom may not need to be made accessible according to program access. We recommend creating at least one fully accessible unisex restroom in this facility, if it is technically feasible to do so.	H	L	M	239 241	\$5,000	See Building Block 9 – Accessible Restrooms , for more information						

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46. Children's Farms Area	The main path of travel leading to the Children's Farms is a ramp without handrails on each side.	4.8	According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. The existing sidewalk has a running slope greater than 5%, measuring over 8% at intervals. Provide handrails on each side of this ramp. (See Map)	M ®	H	M	3/7/6 3/7/7 3/7/8	\$3,000	See Building Block 3 – Ramps , for more information						
47. Children's Farms Area	Both men's and women's restrooms are fully accessible.		See Map												
48. Children's Farms Area	The men's and women's restrooms, located at the American Farm area, are totally inaccessible due to numerous inconsistencies.	4.23	Inconsistencies include, but are not limited to, narrow stalls, no rear grab bars at water closets, pipes exposed under lavatories, no 5-foot by 5-foot turning radius in restrooms, etc. In new construction, ADAAG requires all public restrooms to be fully accessible. Since another fully accessible restroom exists in close proximity to these restrooms, we do not recommend making these restrooms accessible unless this facility is considered new construction by ADAAG. (Not identified on Map).	M	H	M	3/8/1 3/8/2	\$10,000	See Building Block 9 – Accessible Restrooms , for more information						

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49. Children's Farms Area	High thresholds exist and round knob opening hardware exist on entrances/exits at the American Farm facility.	4.1.3(8)	According to ADAAG, accessible entrances/exits must be provided, at a minimum, in the same number that local fire code requires entrances to exist. In other words, if local fire code requires two entrances at a facility, then both entrances are required to be accessible. Modify at least two entrances/exits at this facility to comply with ADAAG scoping and specifications, including a fully accessible path of travel leading from each entrance/exit to other public areas.			M [®]	L	M	3/8/14	\$5,000	See Building Block 8 – Accessible Doors for more information regarding maneuvering space				
50. Children's Farms Area	At the African Farm the feeding machines are located too high, measuring 57-inches to the highest operable part.	4.2.5 4.2.6 4.24	At least one of each type of dispenser is required to be accessible and must be within a maximum reach range of 54-inches where a side reach is possible and a maximum of 48-inches where only a forward reach is possible, to the highest operable part. The new ADAAG further restricts this to a maximum height of 48" A.F.F. Ensure at least one feeding machine in each area complies with ADAAG.			L	H	M	3/8/6	\$250	See Building Block #10 – Reach Ranges				
51. Central Plaza Area	The entrance to this area is a ramp without handrails on each side.	4.8	According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. The existing sidewalk has a running slope greater than 5%, measuring over 8% at intervals. Provide handrails on each side of this ramp. (See Map)			M [®]	H	M	3/8/7	\$1,000	See Building Block 3 – Ramps , for more information				
52. Central Plaza Area	Both men and women's restrooms are totally inaccessible due to numerous inconsistencies.	4.23	Inconsistencies include, but are not limited to, narrow stalls, no 5-foot by 5-foot turning radius in restrooms, no rear grab bar in men's, no grab bars in women's, etc. In new construction, ADAAG requires all public restrooms to be fully accessible. We recommend making these restrooms fully accessible, if it is technically feasible to do so, due to the high level of use of this facility and due to the fact that no other accessible restrooms are available in close proximity. (See Map)			L	H	M	3/8/9	\$16,000	See Building Block 9 – Accessible Restrooms , for more information				

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53. Central Plaza Area	In the large Pavilion, accessible picnic tables do not exist due to lack of appropriate knee space.	Out Door Areas 16.5.1.2	Technically, ADAAG nor the Recreational Facilities - Final Rule provide scoping for picnic tables. In addition, neither guideline provides specifications for what would constitute an accessible picnic table. However, the document titled “Accessibility Guidelines for Outdoor Developed Areas” (AGSAPT) does provide both scoping and specifications for accessible picnic tables. These Guidelines (ODA) are neither final rules nor enforceable. 16.5.1.2 states, where two or more fixed picnic tables are provided in a picnic area, at least 50 percent, but never less than two, shall comply with 16.5.4 through 16.5.6. In addition, at least 40 percent, but never less than two, of the accessible picnic tables shall be connected to an outdoor recreation access route complying with 16.3. The seating space shall contain knee space at least 27 inches (685 mm) high, 30 inches (760 mm) wide, and 19 inches (485 mm) deep. Toe clearance 9 inches (230 mm) minimum in height shall extend an additional 5 inches minimum from the knee clearance. The existing picnic tables do not provide appropriate knee clearance. Provide at least two accessible picnic tables at this Pavilion.	L	H	M	101013	\$500	See the Outdoor Areas document, for more information			
54. Central Plaza Area	The ramp leading to the large pavilion does not provide handrails on each side.	4.8	According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. Provide handrails on each side of this ramp.	M ®	H	M	NA	\$1,000	See Building Block 3 – Ramps , for more information			

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55. Jungle Area	A ramp leads to the entrance of the Jungle facility. The ramp has a steep running slope, does not provide handrails on each side, has a steep cross slope, and the ramp leads directly to the entrance door threshold.	4.8 4.13	According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. Cross slopes on accessible path of travel can not exceed 1:50. Landing at accessible doors must comply with the specifications provided in Fig. 25 . Ensure that a fully accessible path of travel exists leading to this facility.	M ®	H	L	3 9 16	\$0	See Building Block 3 – Ramps , for more information See Building Block 8 – Accessible Doors for more information regarding maneuvering space			
56. North America Area	The men’s and women’s restrooms are totally inaccessible.	4.23	Inconsistencies include, but are not limited to, narrow stalls, no level maneuvering clearance at entrance doors, pipes exposed under lavatories, no rear grab bars, baby changing station is protruding object, no lowered urinal, etc. In new construction, ADAAG requires all public restrooms to be fully accessible. However, this facility is not considered new construction, and therefore falls under the program access provisions of Title II . Each and every public restroom may not need to be made accessible according to program access. We recommend making these restrooms fully accessible, if it is technically feasible to do so, due to the high level of use of this facility and due to the fact that no other accessible restrooms are available in close proximity.	M	H	M	3 9 18	\$12,000	See Building Block 9 – Accessible Restrooms , for more information			

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57. North America Area	An accessible path of travel does not exist, leading to the stage on the outskirts of the North America Area, due to steps.	4.33.5	According to ADAAG, an accessible route shall connect stages, arena floors, dressing rooms, locker rooms, and other spaces used by performers. An accessible route cannot include steps. Ensure that a portable lift is available when necessary or provide other means of a fully accessible path of travel leading to the stage level.	V L	H	M	4 0 0 0	\$5,000	ADAAG						
58. North America Area – Prairie Landing	A ramped surface leads down to the initial Prairie Landing facility and handrails do not exist on each side of the ramp.	4.8	According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. Provide handrails on each side of this ramped surface.	M ®	H	M	4 0 0 2	\$2,000	See Building Block 3 – Ramps , for more information						
59. North America Area – Prairie Landing	A table, located in the corner of the initial Prairie Landing facility, is a protruding object.	4.4	Where objects protrude from walls more than 4-inches and their leading edge is higher than 27-inches, these objects are considered protruding objects, which may not be detectable by individuals who are blind and use a cane. Provide a cane detection object or area underneath this table or otherwise ensure it is not a protruding object.	M ®	H	M	N A	\$500	Building Block 2 – 27” to 80” zone						
60. North America Area – Prairie Landing	A running slope, measuring 7.6% (ramp), leads to the Boat Dock area and does not provide appropriate handrail heights or gripping surfaces.	4.8	According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. Provide handrails on each side of this ramped surface, where the handrails comply with ADAAG specifications.	M ®	H	M	4 0 0 3 4 0 4	\$2,000	See Building Block 3 – Ramps , for more information						

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61. North America Area – Prairie Landing	Abrupt changes in level on path of travel out of boat dock.	4.1.3(11) 4.5.2	According to ADAAG, changes in level up to 1/4 in (6 mm) may be vertical and without edge treatment (see Fig. 7(c)). Changes in level between 1/4 in and 1/2 in (6 mm and 13 mm) shall be beveled with a slope no greater than 1:2 (see Fig. 7(d)). Changes in level beyond 1/2-inch with running slopes greater than 5% are ramps. Modify the path of travel to the Boat Dock area so that no abrupt changes in level exist beyond 1/4-inch.	V L ®	H	M	401	\$2,000	ADAAG						
62. North America Area – Prairie Landing	An accessible gangway does not exist for loading onto the pontoon and accessible wheelchair seating locations do not exist on the pontoon.	RF	RC 15.2.4 - Boarding Piers at Boat Launch Ramps. Where boarding piers are provided at boat launch ramps, at least 5 percent, but not less than one of the boarding piers shall comply with 15.2.4 and shall be served by an accessible route complying with 4.3. Provide an accessible means of entry and exit from the pontoon, including appropriate wheelchair seating locations and tie-downs. (See the passenger vessel draft guidelines for more information pertaining to wheelchair seating on the pontoon).	M	H	M	405 406	\$5,000	Recreational Facilities – Final Rule Passenger Vessel - Draft						
63. North America Area - Prairie Landing	The ramp, leading to both the men’s and women’s restrooms, does not provide handrails on each side. Otherwise the restrooms are fully accessible.	4.8	The slope of the existing ramp is steeper than ADAAG’s maximum of 8.33%. In addition, ADAAG specifies that accessible routes with running slopes greater than 5% provide handrails on each side. Create another fully accessible route to these restrooms or modify the existing route so that the running slope is 8.33% or less and has handrails on each side.	H ®	H	M	412	\$500	See Building Block 3 – Ramps , for more information						
64. Bridge in North America	Portions of the surface of the over water bridge are considered ramps and do not provide appropriate handrails on each side.	4.8	The slope of the existing ramp is steeper than ADAAG’s maximum of 8.33%. In addition, ADAAG specifies that accessible routes with running slopes greater than 5% provide handrails on each side. Create another fully accessible route to these restrooms or modify the existing route so that the running slope is 8.33% or less and has handrails on each side.	H ®	H	M	416	\$3,000	See Building Block 3 – Ramps , for more information						

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65. North America Area	A steep cross slope exists on the surface of the over-water bridge.	4.37 4.8	According to ADAAG, nowhere shall the cross slope of an accessible route exceed 1:50. The cross slope on the existing ramp measures over 4%. Modify the bridge surface so that no cross slope beyond 1:50 exists.	V L	H	M	4 1 6	\$15,000	See Building Block 3 – Ramps , for more information						
66. North America Area	None of the picnic tables, in the shelter near the over-water bridge, are accessible due to inappropriate knee clearance.	Out Door Areas 16.5.1.2	Technically, ADAAG nor the Recreational Facilities - Final Rule provide scoping for picnic tables. In addition, neither guideline provides specifications for what would constitute an accessible picnic table. However, the document titled “Accessibility Guidelines for Outdoor Developed Areas” (AGSAPT) does provide both scoping and specifications for accessible picnic tables. These Guidelines (ODA) are neither final rules nor enforceable. 16.5.1.2 states, where two or more fixed picnic tables are provided in a picnic area, at least 50 percent, but never less than two, shall comply with 16.5.4 through 16.5.6. In addition, at least 40 percent, but never less than two, of the accessible picnic tables shall be connected to an outdoor recreation access route complying with 16.3. The seating space shall contain knee space at least 27 inches (685 mm) high, 30 inches (760 mm) wide, and 19 inches (485 mm) deep. Toe clearance 9 inches (230 mm) minimum in height shall extend an additional 5 inches minimum from the knee clearance. The existing picnic tables do not provide appropriate knee clearance. Provide at least two accessible picnic tables at this Pavilion.	V L	H	M	4 1 4	\$500	See the Outdoor Areas document, for more information						
67. North America Area	The entrance/exit point of the over-water bridge, at Bald Eagles location, is considered a ramp with steep running slopes measuring over 9.5% and has inappropriate handrails on each side.	4.8.5	If a ramp run has a rise greater than 6 in (150 mm) or a horizontal projection greater than 72 in (1830 mm), then it shall have handrails on both sides. (see Fig. 17). Top of handrail gripping surfaces shall be mounted between 34 in and 38 in (865 mm and 965 mm) above ramp surfaces. Handrails shall comply with 4.26 . A ramp shall have a maximum running slope of 8.33%. Modify the surface of the ramp and handrails to comply with ADAAG specifications.	L	H	M	4 1 8	\$8,000	See Building Block 3 – Ramps , for more information						

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68. North America Area	Steps located on the pedestrian path to the Reptile displays.	4.3.2	According to ADAAG, at least one accessible route shall connect accessible buildings, facilities, elements, and spaces that are on the same site. In addition, if an accessible route has changes in level greater than 1/2 in (13 mm), then a curb ramp, ramp, elevator, or platform lift (as permitted in 4.1.3 and 4.1.6) shall be provided that complies with 4.7 , 4.8 , 4.10 , or 4.11 , respectively. An accessible route does not include stairs, steps, or escalators. Ensure that an accessible path of travel exists leading to the displays, without steps.	V H	H	M	N A	\$3,000	ADAAG						
69. North America Area	The path of travel to the Otter Viewing area has steep running slopes, steep cross slopes, no handrails on each side, and abrupt changes in level.	4.8	The slope of the existing ramp is steeper than ADAAG’s maximum of 8.33%. Accessible path of travel can not have cross slopes greater than 1:50. Handrails are required to exist on each side of running slopes beyond 5%. Abrupt changes in level can not be greater than ¼-inch in height. Create another fully accessible route or modify the existing route so that the running slope is 8.33% or less, cross slopes no greater than 1:50, has no abrupt changes in level beyond ¼-inch, and has handrails on each side complying with ADAAG specifications.	L ®	H	M	4 2 1	\$8,000	See Building Block 3 – Ramps , for more information						
70. North America Area	Both entrance and exit ramps to the Black Bear exhibit are too steep with inappropriate handrails.	4.8	According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. The running slopes of ramps can be no steeper than 8.33%. Modify the ramps to this area to comply with ADAAG specifications.	L ®	H	M	N A	\$8,000	See Building Block 3 – Ramps , for more information						
71. North America Area	The ramp exiting the Brown Bear Exhibit and traveling to Prairie Landing store does not provide appropriate handrails on each side.	4.8	According to ADAAG, any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. If a ramp run has a rise greater than 6-inches or a horizontal projection greater than 72-inches, then it shall have handrails on both sides. Modify the ramp to this area to comply with ADAAG specifications.	L ®	H	M	4 2 6	\$8,000	See Building Block 3 – Ramps , for more information						

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Location	Identified Issue	ADAAG Specifications	Recommended Correction	Priority (overall)	Public Access	Frequency - PWD	Photo #	Conceptual Costs	Support Information	Finalized Correction	Date to be Corrected	Date Completed (Include initial)			
72. Asian Forest	The pedestrian path of travel through this area is inaccessible due to dirt surfaces, steep cross slopes, and abrupt changes in level.	4.3.2	At least one accessible route shall connect accessible buildings, facilities, elements, and spaces that are on the same site. Accessible routes are required to be stable, firm and slip-resistant. Create an accessible path (concrete, asphalt, rubber) of travel through this area, which complies with ADAAG specifications.	H	H	M	428 429	\$10,000	ADAAG						
73. General Features	Numerous benches throughout the Zoo are inaccessible due to no back rest	4.37 ODA	Accessible benches shall be fixed and shall have seats that are 20 inches minimum to 24 inches maximum in depth (see Fig. 47). Benches are also required to have back support that is 42 inches minimum in length and that extends from a point 2 inches maximum above the seat to a point 18 inches minimum above the seat (see Fig. 48). Bench seats shall be 17 inches (430 mm) minimum to 19 inches (485 mm) maximum above the floor or ground (4.37.5). To ensure compliance with Title II's program access requirements, we recommend following the scoping and specifications provided by the ODA to determine the accessibility and scoping provisions of outdoor benches. We recommend ensuring that at least one accessible bench exist in each separate Zoo setting.	L	H	M	391 428	\$3,000	New ADAAG ADAAG ODA						

Sedgwick County – ADA/504 Transition Plan – Sedgwick County Zoo -December 2006

Legend: **Blue** font identifies hyperlinked documents – **Red** font indicates recommended changes to structures or policies

Locations		Structural Inconsistencies		Recommended Corrections/Modifications to Ensure Program Access			Criteria – L=low, M=medium, H=high			Supplemental Technical Information			Finalized Actions		
Location	Identified Issue	ADAAG Specifications	Recommended Correction	Priority (overall)	Public Access	Frequency - PWD	Photo #	Conceptual Costs	Support Information	Finalized Correction	Date to be Corrected	Date Completed (Include initial)			
74. General Features	Numerous drinking fountains throughout the Zoo are inaccessible.	4.15 4.1.3(10)	According to ADAAG, the number of all facilities and elements, which are required to be accessible, are delineated in ADAAG section 4.1 . However, 4.1 only addresses drinking fountains in reference to floors of a building or facility. The program access provisions of Title II require all programs and services to be accessible and usable. Drinking fountains are a service provided by the City and must be made accessible. The number of drinking fountains that are required to be accessible in a park setting is debatable. Due to the possible temperate conditions during the peak park visitor season, we recommend making all drinking fountains accessible complying with ADAAG specifications. See Attachment A for a sample of Hi-lo drinking fountains in a park setting.	H	H	M	391 397 399	\$15,000	Building Block 7 – Drinking Fountains Sample hi-lo fountain in park setting						
75. General Feature	Directional signage does not exist indicating accessible facilities and features throughout the Zoo.	4.1.2(7)(c)	According to ADAAG, when not all public entrances are accessible, the symbol of accessibility should be provided at accessible entrances and directional signage should be provided at inaccessible entrances. This regulation can also be provided to structural features other than entrances. For example, at specific locations, where more than one pedestrian path exists leading to a facility or feature, one is accessible and one is not accessible, but no directional signage exists indicating the accessible route. Provide directional signage throughout the Zoo, indication accessible features, when a specific feature type is provided in more than one location and not all are accessible.	V H	H	M	N A	\$1,500	ADAAG						
76. General Features	Exit signs throughout the park are not provided in Braille	4.1.3(16) 4.30.4	Signs that identify permanent rooms and spaces (e.g. room numbers, restrooms, and exit signs) are required to be provided in Braille, mounted at the latch side of the entrance door. Provide Braille signage where exit signs exist. Mount signage per the new ADAAG 703.4.	H ®	H	H	384	\$3,000	Signage Specifications for Permanent Rooms and Spaces						

Sedgwick County Zoo - Transition Plan - Conceptual Cost Projections

Total	\$386,600
Year One (Very High - VH)	\$10,000
Year Three (High - H)	\$128,000
Year Five (Medium - M)	\$119,100
Year Ten (Low - L)	\$64,000
Year Twenty (Very Low - VL)	\$65,500