

Park County, Montana
Parks Inventory and Assessment

Facility Assessment, Safety Audit and
Potential Improvements Report



PIONEERING ENVIRONMENTS

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Introduction

Parks Assessment Report Intent

The intent of the assessment of two Park County parks, Green Acres Park and Silver Gate Park, is to detail the existing conditions of the parks and the amenities present, perform a playground safety audit and provide recommendations for future improvements.

Scope of Assessment

The assessment has been compiled through an investigation of existing conditions based on travel to the park sites. An on-site inventory of park amenities was used for preparation of facility assessment report. The scope of the assessment includes:

- Site visit to inventory amenities (overall park area, play equipment, sanitary facilities, parking, ball fields, etc.) Include photos of said features.
 - Playground safety audit - a comprehensive audit of playground equipment, condition and installation.
 - Preparation of a facility assessment report for each site.
- Report will document the existing amenities including a discussion of the general condition of the amenities present. It will also include a safety audit of playground equipment present at each site. Based on findings of this inventory/assessment and safety audit, potential improvements will be identified with a general discussion and estimated cost presented for each of these potential improvements.



Green Acres Park

Part I: Inventory of Existing Amenities

1.1 Context and Location

Green Acres Park is located in the northeast portion of Livingston, MT just outside the city boundary on Park County property. Taking Miles Ln to Pine St will lead you directly towards the park's east boundary.

Green Acres is located within a residential neighborhood with excellent connectivity to the surrounding area. The park serves as a great amenity for the residents of the area.

1.2 Overall Site Conditions

Entire perimeter of the park is fenced in. Several access points (gates) correspond to where the intersecting streets terminate at the park. Provides literal connection into the space.

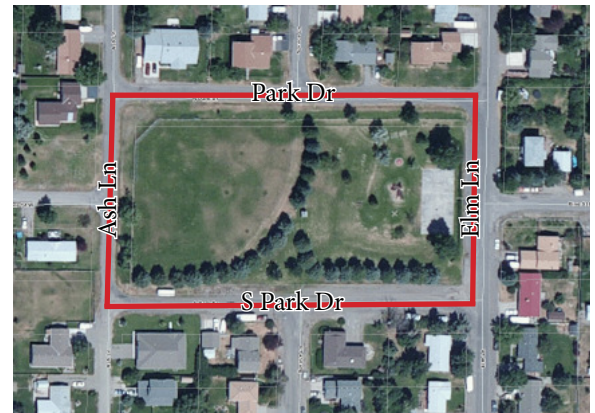
Excellent mature growth trees are present on site. Large conifer trees provide an excellent buffer to the south, as well as separating east and west portions of the park. West area is open and setup as an athletic field with fenced backstop and benches. The east portion contains several play structures and a concrete basketball court. A large landscape berm with trees also separates east and west portions of the park. The shrubs along Elm Ln present a potentially dangerous situation because they limit lines of sight into and out of the park.

1.3 Sanitary Facilities

One temporary restroom facility located on-site. No running water associated with temporary facility. Restroom is situated on the outside of the fencing along N Park Dr. During high activity periods (games being played on western portion of park) the restroom capacity could be severely strained.

1.4 Parking

Parking capacity appears to be fairly well served. Gravel lots run the entire length of both the south and east sides of the park. S Park Dr to the south of the park and Elm Ln to the east. Both gravel lots provide direct access into the park through centralized fence openings. No sidewalks or internal circulation paths are present throughout the entire park. In addition to ample parking areas, the context of the park within the residential neighborhood provides an excellent amenity within walking distance for many local residents.



Green Acres - aerial photo



Green Acres - play equipment



Green Acres - restroom



Green Acres - parking along S Pine Dr



Green Acres - shrubs limit visibility into and out of park along Elm



Green Acres - parking along Elm St



Green Acres - mature trees that buffer southern boundary



Green Acres- athletic field backstop



Green Acres - landscape berm with trees



Green Acres - existing benches



Green Acres - fencing around entire park perimeter



Green Acres- basketball court



Green Acres - assortment of play equipment and basketball court



Green Acres - play equipment on east portion of park



Green Acres - landscape berm and trees



Green Acres - access gate along N Pine St

Part II: Playground Safety Audit

2.1 Play Equipment

Fencing and benches at athletic field portion of the park appear to be in relatively good working order. A number of out dated play structures are littered about on the east portion of the park.

The list of play equipment includes:

- horseshoe pits
- merry-go-round
- seesaw
- single rockers
- swing sets
- basketball court
- composite structure.
- quad rocker

Newer materials/fasteners on the composite structure are in compliance with modern safety standards. Most of the materials appear to be plastic on this newer piece of equipment.

2.2 Condition

Complete lack of fall surfacing at all play equipment. Not in compliance with the 4' to 12' critical fall heights per ASTM F-1292-04. Upon close examination, lack of proper concrete foundations at play equipment is prevailing. Especially on the swing sets. Materials on most equipment is old and rusted. Some of the older structures could remain with the addition of new fall zone surfacing. Other older pieces of equipment are too dangerous and present hazards to health and safety and therefore should be removed.

As a result of improperly anchored support posts the main composite structure appears to be settling at an uneven rate and creating uneven platforms and landings. This is resulting in some attached play components pulling away from the main structure.



Green Acres - swing set



Green Acres - quad rocker



Green Acres - merry-go-round



Green Acres - composite structure



Green Acres - single rocker



Green Acres - chain link backstop w/ benches



Green Acres - seesaw



Green Acres - horseshoe pit

Part III: Recommendations

3.1 Potential Improvements

Green Acres Park has a great deal of potential. With a few recommended improvements, this park will continue to be a safe and fun destination for Park County residents.

Based on the playground safety audit and on-site inspections, CTA is recommending the removal of four (4) features: horseshoe pits, merry-go-round, seesaw and broken single rocker.

- *Horseshoe pits* - the pits appear to have been neglected for sometime. Sand is no longer present in the pits and weeds have taken over. The metal stakes within the pits are exposed as well as the support posts behind the back boards. All metal pieces are rusted and have sharp edges. Due to the close proximity to children's play structures and the dynamic activities of the space, the pits present a significant hazard within the park. Recommend removal of all horseshoe pit structures and returning this area to grass.

- *Merry-go-round* - these dated structures pose a serious risk, especially for children. The nature of features like these cause the ground surface to erode out from under the feature causing trip hazards and exposing the inner workings. Coupled with the metal grab bars, potential for head injuries and other accidents are high. Recommend removal and returning area to grass or replacement with a contemporary approved device.

- *Seesaw* - another dated structure without any fall surface. The metal hardware and fasteners are unforgiving and can get extremely hot in the summer sun. Newer technology and safer features are available if desire to have a seesaw is high. Recommend full removal of this feature.

- *Broken single rocker* - this item is fairly obvious in it's failure. The rocking attachment has broken off, leaving only exposed concrete with metal spring base. No fall surface around these rockers as well is dangerous, but especially the exposed hardware is a serious threat. Recommend immediate removal of broken feature.

Another high priority item that should be addressed immediately is the fall surface, or lack there of, around all play structures. The only structure to have any fall surface present is the composite play structure adjacent to the basketball court. However, upon closer inspection the depth of this fall surface was 1-2" at best. The typical recommended fall surface depth for equipment up to 8' high is 12"(compacted) of loose-fill surface like engineered



Green Acres - essentially non-existent fall surfacing



Green Acres - single rocker base to be removed immediately



Green Acres - south swing set (baby)



Green Acres - single rocker



Green Acres - athletic field



Green Acres - exposed metal stakes



Green Acres - no fall surface under swings



Green Acres - no fall surface under slide

wood fiber. Features in need of fall surfacing: newer play structure, north swing set, south swing set (baby), single rockers and quad rocker.

Cushioned surfaces should be placed in all playground fall zones. Fall zones are defined as the area under and around playground equipment where children may fall. The total surfacing space is dependent on the type of equipment at the playground. In general, the surface should extend a minimum of 6 feet in all directions from the edge of stationary playground equipment. Because of momentum of children playing on slides and swings, different calculations for those fall zones are used.

Of lesser priority, but still very much a need are restroom facilities on-site. Currently one temporary toilet is setup, but the park could greatly benefit from a permanent mens/womens facility. During peak usage, athletic field hosting a game or practice, as well as typical everyday users at the play area, the single stall temporary facility is insufficient. Recommend installing permanent unisex restroom facility on-site. This would include extending water service onto the site. Also included would be sanitary sewer holding tank with the potential to connect to sanitary sewer system in the future.

Two lower priority items are not necessary, but would bring value and enjoyment to the park. These items include a new picnic shelter and updated site amenities like benches, trash receptacles and bike racks.

- *Picnic shelter* - would provide an excellent gathering space for friends and family to meet up and hold events. Also provides great shade on hot summer days.

- *Benches/trash receptacles/bike rack* - additional amenities throughout the park would obviously serve their varying functions, but they also would provide a cohesive element that links all the areas of the park together.

3.2 Costs

Recommended Improvement Item	Quantity	Units		Cost	=	Total
Green Acres Park						
New fall surface w/ drainage (existing equipment)	150	CY	@	\$50.00	=	\$7,500.00
Remove old play equipment	1	LS	@	\$3,000.00	=	\$3,000.00
Remove old horseshoe pits	2	EA	@	\$250.00	=	\$500.00
New picnic shelter	1	LS	@	\$12,000.00	=	\$12,000.00
Site amenities (trash, benches, bike racks)	6	EA	@	\$500.00	=	\$3,000.00
New unisex restroom	1	LS	@	\$7,500.00	=	\$7,500.00
New water service extension	1	LS	@	\$9,300.00	=	\$9,300.00
New sanitary sewer service extension	1	LS	@	\$11,590.00	=	\$11,590.00
						\$54,390.00



Silver Gate Park

Part I: Inventory of Existing Amenities

1.1 Context and Location

Centrally located within the small community of Silver Gate, MT just outside the northeast boundary of Yellowstone National Park. Silver Gate Park is situated on the north side of Hwy 212. Hwy 212 provides the only access to and from Silver Gate from either the east or the west.

1.2 Overall Site Conditions

A gravel access drive borders the west boundary of the park. There is no fencing present along any of the park's boundaries. The north end of the park is delineated by a small drainage ditch that runs east/west. The ditch running north/south bisects the park into eastern and western halves. Small wooden planks provide access across ditch.

Two mature coniferous trees are the only vegetation present within the park. A "Welcome to Silver Gate" sign is situated along Hwy 212 in the southeast corner of the park. A large rock conglomerate is also located in the southeast corner. This natural feature provides a nice focal point and an excellent photo opportunity location.

1.3 Sanitary Facilities

No sanitary facilities exist on-site. Park users typically frequent one of the area businesses or use the facilities at the Chamber of Commerce in Cooke City.

1.4 Parking

Parking is not properly delineated around the park and can lead to confusion and inefficiencies. Residents of the area typically walk or bike to the park. The real need for vehicular parking is to capture the tourist passing through in a safe and efficient manner.



Silver Gate - aerial



Silver Gate - main entry



Silver Gate - "welcome" sign and rock feature



Silver Gate - north boundary ditch



Silver Gate - play equipment and picnic tables



Silver Gate - sign and rock feature in southeast corner of park



Silver Gate - dangerous hardware on tire swing



Silver Gate - dangerous hardware and splintering wood on swings

Part II: Playground Safety Audit

2.1 Play Equipment

The four (4) picnic tables that are aligned north/south through the length of the park appear to be in good working order. These seem to be the newest addition to the space and a welcomed amenity.

The list of play equipment includes:

- monkey bars
- curved monkey bars
- failing seesaw
- tire swing
- swing set
- failing basketball hoop

2.2 Condition

Complete lack of fall surfacing at all play equipment locations. Failure to comply with ASTM F-1292-04 concerning critical fall heights. With closer examination, concrete footings were located at all current play structures. However, the equipment itself is severely outdated and in most cases poses a serious threat to the health, safety and welfare of the general public. Rusted metal, sharp corners, exposed metal fasteners and hardware and splintering wood are issues of the highest concern.



Silver Gate - rock feature



Silver Gate - picnic table



Silver Gate - monkey bars - remove immediately



Silver Gate - tire swing - remove immediately



Silver Gate - curved monkey bars - remove immediately



Silver Gate - failing seesaw - remove immediately



Silver Gate - swing set - remove immediately



Silver Gate - failing benches - remove immediately

Part III: Recommendations

3.1 Potential Improvements

Silver Gate Park has been neglected over the years, but holds a special place in the hearts of local residents. With some overall improvements to the space, this park has the opportunity to not only serve the people of Silver Gate/Cooke City, but also create a focal point and feature for motorists coming and going from Yellowstone National Park.

Through the on-site inspections and playground safety audit, CTA is recommending immediate removal of all existing play equipment. These features include: swing set, monkey bars, curved monkey bars, tire swing, seesaw, basketball hoop and benches.

- *Swing set* - appears to have been neglected for sometime. No fall surface present and the wooden swing seats are splintering and unsafe. The chains and fasteners are also dated and hazardous. Recommend removal.

- *Monkey bars* - no fall surface present. Structure is old and has sharp corners of metal tubing. Recommend removal.

- *Curved monkey bars* - no fall surface present. Dated and dangerous materials. Sharp and jagged corners on the steel. Recommend removal.

- *Tire swing* - No fall surface. Dangerous hardware protruding from steel frame and tire connection. Recommend removal.

- *Seesaw* - No fall surface. Structure already failing. Recommend removal of remainder of structure still present.

- *Basketball hoop* - Equipment is failing. Recommend removal.

- *Benches* - Splintering wood and exposed hardware. Benches are failing. Recommend removal.

With the recommended removal of all play equipment, a new play structure with proper fall surface becomes high priority. The new structure could be located on the east side of the ditch near the current tire swing. This feature would be come the highlight of the park, and provide a safe and fun atmosphere for all.

Also of high priority would be the installation of a picnic shelter. Currently no shade exists on-site and the need for a gathering space within the park has been a desire for local residents. This shelter could also serve as a stage area for concerts and other events at the park. A great location for the shelter would be on the north end of the park where the benches and swing set currently are.



Silver Gate - welcome sign



Silver Gate - culverts at south end of park



Silver Gate - ditch running north/south through park



Silver Gate - wooden planks crossing north/south ditch



Silver Gate - existing swings



Silver Gate - basketball hoop



Silver Gate - existing benches



Silver Gate - sign in park

Another high priority item would be the addition of a permanent restroom facility on-site. Currently no such amenity is in place and the lack of a public restroom puts a strain on local businesses. A unisex restroom with water and sanitary sewer extensions would be a great option.

Lesser priority items that are still very much needed are things like site signage and site amenities. New benches, trash receptacles and bike racks are practical amenities that are currently lacking and would help maintain the quality of the park. Signage explaining the area and history would be welcomed, as well as the inherent dangers of wildlife in the area and precautions to take to mitigate wildlife encounters.

Parking is very limited around the park. In an effort to retain some of the busy motorist traffic in the area, more clearly defined parking is necessary. Since space is limited, one solution would be to create an extended gravel shoulder along the gravel drive on the west side of the park. This could provide parking for 5-6 vehicles in a safe and organized manner.

The last item would be a new culvert crossing over the ditch within the park. Since the new play area would be on the eastern portion of the park, and the restroom and picnic shelter would be on the west, a safe crossing over the ditch would be a priority. Currently two wooden planks serve as the crossing points. This new culvert crossing would be much safer and sturdier.

3.2 Costs

Recommended Improvement Item	Quantity	Units		Cost	=	Total
Silver Gate Park						
New play equipment (fall surface and drainage)	2	EA	@	\$10,000.00	=	\$20,000.00
Remove old play equipment	5	LS	@	\$2,500.00	=	\$2,500.00
Remove old basketball hoop	1	EA	@	\$250.00	=	\$250.00
Remove old benches	2	EA	@	\$250.00	=	\$500.00
New picnic shelter	1	LS	@	\$12,000.00	=	\$12,000.00
Site amenities (trash, benches, bike racks)	5	EA	@	\$500.00	=	\$2,500.00
Park signage (gen info/history/wildlife)	2	EA	@	\$500.00	=	\$1,000.00
Culvert ditch crossing	1	EA	@	\$1,500.00	=	\$1,500.00
Gravel parking area (3-5 vehicles)	115	SY	@	\$35.00	=	\$4,025.00
New unisex restroom	1	LS	@	\$7,500.00	=	\$7,500.00
New water service extension	1	LS	@	\$12,100.00	=	\$12,100.00
New sanitary sewer service extension	1	LS	@	\$10,350.00	=	\$10,350.00
Lawn mower/maintenance contract (locally)						
						\$74,225.00



Appendix

Playground Safety Compliance Audit Form

Inspector (print) Ezra Williams Signature _____ CPSI # 22791-1016

Date _____ Time _____ Weather _____

Playground Name and/or Identification Number Green Acres Park

Injuries to children may occur from many types of playground equipment and environmental conditions. The checklist on the following pages will help you to assess and correct safety concerns that may be present on or near your playground. While it does not cover every potential safety concern in a children's environment, it is an overview of most known playground safety concerns. The checklist does not apply to home playground equipment, amusement park equipment, or to equipment normally intended for sports use. The checklist also does not address the many important issues of child development that pertain to play.

The playground safety compliance audit form is not a regulatory standard, but a compilation of suggested guidelines based upon the *Public Playground Safety Handbook* written by the U.S. Consumer Product Safety Commission (CPSC)¹ Revised November 2010; American Society for Testing and Materials (ASTM)² F1487-11 Standard; Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas³ (These accessibility standards published in the Federal Register on September 15, 2010 can be found at: <http://www.ada.gov/regs2010/2010ADASTandards/2010ADAstandards.htm>) and expert opinions from individuals with a vast amount of experience in the field of playground safety.

Acknowledgments:

- Created from the "Statewide Comprehensive Injury Prevention Program" (SCIPP), Department of Public Health, 150 Trecost Street, Boston, MA 02111
- Adapted as Wheaton Park District's "Initial Playground Safety Audit" September, 1989, Revised December 20, 1990 and November, 1991, Ken Kutska, CPRP
- Edited and updated June, 1992, by Ken Kutska, CPRP, and Kevin Hoffman, ARM, Park District Risk Management Agency
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 2003, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Excel™ formatted 2004, revised citations to 2008 CPSC *Handbook* and ASTM F1487-07ae¹ Standard, August, 2008, by Steve Plumb, CPRP, CPSI
- Revised September 2008 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director
- Revised August 2011 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director

1. U.S. Consumer Product Safety Commission, (CPSC), 4330 East West Highway, Bethesda, MD 20814

2. American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive West Conshohocken, Pennsylvania 19428

3. U.S. Access Board, 1331 F Street, NW, Suite 1000, Washington, DC, 20004

(<http://www.ada.gov/regs2010/ADAREgs2010.htm>)

Five Level Safety Concern Priority Rating System

Rating Safety Concern Priority	Description Condition Likely to Cause
Priority 1 Safety Concern	Non-compliant safety concern that may result in permanent disability, loss of life or body part. Condition should be corrected immediately.
Priority 2 Safety Concern	Non-compliant safety concern that may result in temporary disability. Condition should be corrected as soon as possible.
Priority 3 Safety Concern	Non-compliant safety concern that is likely to cause a minor (non-disabling) injury. Condition should be corrected when time permits.
Priority 4 Safety Concern	Non-compliant safety concern whose potential to cause an injury is very minimal. Condition should be corrected if it worsens.
Priority 5	The item has been determined to be compliant with the owner/operator's operating policy and standard of care. Continued ongoing preventive maintenance is recommended.

Playground Safety Audit Forms

Background Information

Page 1

IMPORTANT: This information has been prepared to assist the agency's attorney in defending potential litigation. Do not release to any person except an agency official, insurance representative, or an investigating police officer.

Play Area: Green Acres Park Date: 07/09/2014

Eqpt Type: Composite & Freestanding Surface: N/A

Audited By: _____ Intended User Age: 2-12

General Environment

1. Category of Playground: (check all that apply)

Community Park Public School Childcare Center
 Neighborhood Park/Tot Lot Private School Other: _____

2. Equipment Inventory: (indicate the number of equipment pieces that exist)

A. Composite Structures

stairways/step ladders 1

stairways/step ladders 6

rigid climbers 1

flexible climbers 0

decks/platforms 1

play panels 3

slides 3

sliding poles 1

horizontal ladders 0

horizontal rings 0

track rides 0

crawl tunnels 1

clatter/other bridges 1

ramps 0

transfer stations 4

roofs 1

other _____

other _____

B. Freestanding Eqpt

swings (to-fro) 2

rotating swings 0

seesaws 1

slides 0

rigid climbers 0

flexible climbers 0

upper body eqpt 0

rocking eqpt 3

merry-go-round 1

spinner (< 20" D) 0

sand play area 0

backhoe digger 0

play panels 0

stepping pods 0

net climber 0

other _____

other _____

other _____

C. Site Amenities

benches 8

tables 0

water fountains 0

bicycle racks 0

wheelchair parking 0

signs (safety) 0

litter barrels 3

fencing yes

accessible route to play area no

other _____

other _____

other _____

General Environment (continued)

3. Playground Perimeter Concerns

Directions: Check all potential concerns that exist, and indicate the actual distance item is from play area border. The owner/operator shall evaluate each border concern for possible mitigation.

Playground Perimeter Concerns	Distance from Border	Priority Rating	Comments
1st public street	15' fence		Park Dr - North
2nd public street	78' fence		Elm Ln - East
3rd public street			Ash Ln - West
4th public street			S Park Dr - South
streets with heavy traffic	N/A		
water (ponds/streams/ditch)	N/A		
soccer/football field	N/A		
baseball/softball field (home plate)			
basketball court			
parking lot			
railroad tracks	N/A		
trees (not pruned up at least 84" within playground area)	N/A		
golf course	N/A		
quarry pit (cliff-like condition)	N/A		
contaminated area/landfill	N/A		
other (specify)			
other (specify)			
other (specify)			

General Environment (continued)

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General Environment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
4. If needed, fence is provided for perimeter concerns. See Pg 2 for list of concerns. (CPSC 2.1) (Fencing Reference ASTM F2049)	Y E S		4	entry gates broken and/or missing
5. Shaded area is provided. (CPSC 2.1.1)	Y E S		4	no shade cover or picnic area
6. Play area is visible to deter inappropriate behavior. (CPSC 2.2.4)	Y E S		4	possible pruning of trees & shrubs visibility from Elm Ln
7. Equipment not recommended on public playgrounds include... climbing ropes not secured at both ends, trampolines, swinging gates, giant strides, heavy metal swings (animal swings), rope swings, swinging dual exercise rings and trapeze bars. (CPSC 2.3.1)		N O	2	dual exercise rings present on north swing set; risk of impact injury
8. Playground is accessed safely by a sidewalk that is free of standing water, pea gravel, and low branches and complies with the DOJ 2010 Standard for Accessible Design (min. 80" overhead clearance, 60" min. width, max. cross slope of 1:50 and max. running slope of 1:20, max. gaps of 1/2" and no vertical rise greater than 1/4" without a beveled edge, and finally there should be no depressions greater than 1/2").		N O	3	playground is not accessible via sidewalk. no sidewalks present within park
9. Seating (benches, tables) is in good condition (free of splinters, missing hardware/slats, sharp edges, etc). (exempt from ASTM F1487)	Y E S		3	Benches have sharp edges, tubing with open ends, surface rust and paint chipping
10. Signs on all bordering streets advise motorists that a playground is nearby.	Y E S		5	
11. Trash receptacles are provided and located outside of play area use zone.	Y E S		5	could use a few more scattered around the park

Materials and Manufacture

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Playground equipment is manufactured and constructed only of materials that have a demonstrated durability and comply with the Consumer Product Safety Improvement Act of 2008). (ASTM 4.1.2; CPSC 2.5.1)	Y E S		5	
2. Metals subject to structural degradation such as rust or corrosion are painted, galvanized or otherwise treated. (ASTM 4.1.1; CPSC 2.5.1)		N O	4	Lead content unknown, recommend testing for lead, maintain existing finishes
3. Wood materials are naturally rot-resistant or treated to avoid deterioration. (ASTM 4.1.3; CPSC 2.5.5)	Y E S		5	N/A
4. Plastics and other materials that experience ultraviolet (UV) degradation are UV protected. (ASTM 4.1.1)	Y E S		5	Unknown if plastic is UV treated, ongoing observation for deterioration recommended
5. Users cannot ingest, inhale, or absorb any potentially hazardous amounts of substances through body surfaces as a result of contact with the equipment. (ASTM 4.1.2 and 4.1.3; CPSC 2.5.4)	Y E S		5	
6. Moving suspended elements are connected to the fixed support w/ bearings or bearing surfaces that serve to reduce friction and wear. (ASTM 4.2.3; CPSC 2.5.2)	Y E S		5	Swings do not appear to have bushings, unable to confirm w/o removal, recommend noting condition at next service
7. Steel cable permanently affixed to a hanger assembly performs as a bearing surface. Cable ends are inaccessible or capped. Cables or steel-cored ropes are protected to prevent fraying, loosening, unraveling, or excessive shifting. (ASTM 4.2.3.1)				N/A
8. Creosote-treated wood and coatings that contain pesticides are not used. (ASTM 4.1.3; CPSC 2.5.5)				N/A
9. CCA-treated wood is not used, or is regularly coated (min. once/year) w/ a penetrating sealant or stain. (CPSC 2.5.5.1)	Y E S		5	Backstop at horseshoe pits
10. Play structures are anchored to the ground and not intended to be relocated. (ASTM 5.3)	Y E S		5	Settling of support structure observed resulting in platforms and intended horizontal surfaces sloping

Use Zones

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Stationary Equipment				
1. Use zone extends min. 72" on all sides of structure. Equipment intended for user to maintain contact w/ the ground during play (i.e. talk tubes, activity panels) is exempt from use zone requirements. (ASTM 9.2.1; CPSC 5.3.9)	YES		5	
2. Use zones for 2 or more stationary structures that are play-functionally linked are treated as if separate components are part of a composite unit. (ASTM 9.2.2; CPSC 5.3.9)	YES		5	
3. Use zones of stationary equipment and other equipment may overlap. If adjacent designated play surfaces of each structure are < 30", the min. distance between equipment is 72". If adjacent designated play surfaces of either structure are > 30", the min. distance between equipment is 108". (ASTM 9.2.3; CPSC 5.3.10)	YES		5	Proximity of arch and spiral climber (?)
B. Rotating Equipment				
1. Minimum use zone for rotating eqpt is 72" from perimeter. No other structure may overlap this use zone. Rotating eqpt < 20" diameter are exempt and may be 72" apart when each have designated play surfaces < 30" high, or 108" apart when one or both have designated play surfaces > 30" high. (ASTM 9.3.2; CPSC 5.3.4.1)	YES		5	
2. Single user equipment (i.e. sand diggers) where user maintains contact w/ the ground are exempt from use zone requirements. (ASTM 9.2.1)	YES		5	
3. No other structure overlaps the use zone of eqpt that rotates around a horizontal axis w/ a designated play surface > 30". (ASTM 9.3.5)	YES		5	

Use Zones (continued)

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
C. To-Fro Swings				
1. Use zone to front and rear of to-fro swing is 2X where X = distance between pivot point and surfacing by width of beam. (ASTM 9.4.1.1; CPSC 5.3.8.3.3) Combination Swing Use Zone should be composed of the individual use zones as defined in 9.4.1 and 9.4.2 or both for the individual suspended elements. (ASTM 9.4.3)	YES		5	
2. For swings w/ fully enclosed To-Fro swing seats, use zone is 2W where W = distance between pivot point and top of occupied sitting surface. (ASTM 9.4.1.2; CPSC 5.3.8.3.3)	YES		5	
3. No other play structure overlaps the front-to-rear use zone of a to-fro swing. (ASTM 9.4.1.3; CPSC 5.3.8.3.3)	YES		5	
4. Use zone width is at least as wide as the swing top beam. T-swings use zones have special conditions. (ASTM 9.4.1.4)	YES		5	
5. Use zone around support structure is min. 72" in all directions from the structure. Support structure use zones for adjacent to-fro swings may overlap (6' apart). Support structure use zones may overlap w/ other equipment w/ min. 108" between structures. (ASTM 9.4.1.5; CPSC 5.3.8.3.3)	YES		5	
D. Rotating Swings				
1. Use zone is min. horizontal distance of Y+72", where Y = vertical distance between pivot point and top of swing seat. (ASTM 9.4.2.1; CPSC 5.3.8.4.1)				N/A
2. No other play structure use zone overlaps rotating swing use zone. (ASTM 9.4.2.2; CPSC 5.3.8.4.1)				N/A
3. Use zone around support structure is min.72" in all directions from the structure. (ASTM 9.4.2.3; CPSC 5.3.8.4.1)				N/A
4. Support structures of adjacent rotating swings may overlap (6' apart), however, swing bay clearances (Y+30") are not overlapped. (ASTM 9.4.2.4; CPSC 5.3.8.4.1)				N/A
5. Support structure use zone may overlap use zone of other equipment w/ min. 108" between structures. (ASTM 9.4.2.5; CPSC 5.3.9)				N/A

Use Zones (continued)

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
E. Rocking/Springing Equipment				
1. Use zone for equipment intended for sitting is min. 72" in all directions from at-rest perimeter. (ASTM 9.5.1.1; CPSC 5.3.7)	YES		5	
2. Use zone of adjacent eqpt may overlap when each structure has max. seat height and/or designated playing surface of less than or equal to 30". (ASTM 9.5.1.2; CPSC 5.3.7)	YES		5	
3. Use zone of rocking/springing eqpt may overlap to 72" apart when each structure has max. designated play surface height < 30"; and to 108" apart when either has a designated play surface higher than 30" unless otherwise specified in ASTM Section 9. (ASTM 9.5.1.3; CPSC 5.3.7)	YES		5	
4. Use zone for rocking/springing eqpt intended for standing is min. 84" in all directions from the at-rest perimeter. (ASTM 9.5.2.1)	YES		5	
5. No other play structure use zone overlaps the standing rocking/springing structure use zone. (ASTM 9.5.2.2)	YES		5	
6. Equipment w/ limited movement or eqpt on which user cannot develop enough force to launch or propel themselves away from the eqpt is exempt from these requirements. (ASTM 9.5.2.3)	YES		5	Attachment anchors for spring base loose
F. Slides				
1. Use zone around steps or ladder, chute, platform or slide bed of straight, wavy, or spiral slides is min. 72" from perimeter. (ASTM 9.6.1; CPSC 5.3.6.5)	YES		5	
2. Use zone at exit is min. X where X = vertical distance from highest point of sliding surface to surfacing. Use zone at slide exit is min. 72" and need not be > 96". (ASTM 9.6.2, 9.6.2.1; CPSC 5.3.6.5)	YES		5	Overlap of spiral slide and pole slide (?)
3. A clear zone, free of equipment, extends min. 21" from inside of each side wall from the end of the slide to the perimeter of the slide use zone. Clearance zones for two or more parallel slide beds may overlap. Clearance zones for converging slides may not overlap. (ASTM 8.5.6, 9.6.3)	YES		5	

Use Zones (continued)

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
G. Track Rides				
1. Track ride use zones are min. 72" in all directions from equipment. (ASTM 9.9.1)				N/A
H. Composite Structures				
1. Use zone is min. 72" from structure perimeter, and complies w/ use zones established for individual types of eqpt. (ASTM 9.7.1 and 9.7.2; CPSC 5.3.9)	YES		5	
2. Professional judgment may be used to eliminate hazards created by circulation conflicts or adjacent structures that are in close proximity. (ASTM 9.7.2)	YES		5	
I. Placement of Equipment				
1. Sufficient space is provided between all adjacent structures and individual play eqpt for the purposes of play and circulation. (ASTM 9.8; CPSC 2.2.4)	YES		5	
2. In settings where periodic overcrowding is likely, a supplemental circulation area beyond the use zone is provided, using professional judgement of owner/operator. (ASTM 9.8.2 and CPSC 2.2.4)	YES		5	
3. Moving equipment such as swings and rotating equipment are located near the periphery away from circulation routes. (ASTM 9.8.3; CPSC 2.2.4)	YES		5	
4. Overhead obstructions within play structure usezones are min. 84" from each designated play surface, the use zone, or the pivot point of swings. (ASTM 9.8.4.1)	YES		5	Shade on structure 64" above platform
5. Overhead utility line clearances comply w/ all local, state, and national codes such as National Electrical Safety Code. (ASTM 9.8.4.2)	YES		5	

Maintenance, Surfacing, Labeling, Signage

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Maintenance				
1. Owner/Operator maintains detailed installation, inspection, maintenance, and repair records for each playground area. (ASTM 13.3; CPSC 4)		NO	2	no inspections/records are currently being recorded
B. Protective Surfacing				
1. Owner/Operator maintains the protective surfacing within the use zone of each play structure in accordance w/ ASTM F1292 w/ a critical height appropriate for the fall height of each structure, and ASTM F1951 where applicable (ASTM 13.2.1; CPSC 2.4) and the Accessible Route in accordance w/ DOJ 2010 Standard (Section 1008.2.6)		NO	1	
2. Protective surfacing is maintained free from extraneous materials that could cause injury, infection, or disease. (ASTM 13.2.2; CPSC 4)		NO	1	
3. Surfacing is well-drained and free of standing water. (ASTM 13.2.2; CPSC 2.4.2.2)		NO	1	
4. Written documentation available of laboratory compliance testing ASTM F1292 and F1951 and F2075 for EWF. (ASTM 13.2, 13.3)		NO	1	
5. Written documentation available of post installation compliance to the appropriate ASTM Standards. (ASTM 13.3)		NO	1	
C. Labeling				
1. On or near all play structures where applicable have posted a warning label containing... 1) signal word WARNING , 2) safety alert symbol (triangle w/ exclamation point inside) preceding signal word, and 3) warning message "Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury or death from falls." (ASTM 14.2.5)		NO	2	
2. Manufacturer's identification appears, is durable, and is placed on the play structure. (ASTM 15)		NO	2	
D. Information Signage				
1. Signs or labels provide information for age appropriateness of playground. (ASTM 14.2.1)		NO	3	
2. Signs or labels provide information stating adult supervision is recommended. (ASTM 14.2.2)		NO	3	
3. Sign posted to communicate warning for the need to remove helmets, drawstrings and items around the neck due to strangulation. (ASTM 14.2.3)		NO	3	
4. Sign posted to communicate warning about hot play surfaces and surfacing can cause severe burns to young children. (ASTM 14.2.4; CPSC 2.2.6, 2.5.3, 3.2.1)		NO	3	
5. Freestanding signs are located outside the equipment use zone to alert the user of the concern in time to take action. (ASTM 14.1.1.2, 14.1.2, 14.1.3)		NO	3	

Accessibility

This form is provided so that owner/operators can evaluate appropriate accessibility requirements from the Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas. This Federal Law became enforceable in March of 2011. These items will not be found in ASTM or CPSC documents but the Law is referenced in both. This Section will assist in your assessment of compliance to the minimum requirements of this Standard.

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Outside the play area the Accessible Route (AR) has max. running slope of 1:20 and max. cross slope of 1:50 and a minimum of 60" wide w/ max. abrupt vertical rise – 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 303)		NO	2	
2. Inside the play area the AR is at least 60" wide (W), has max. cross-slope of 1:48, and 80" overhead clearance with max. running slope no steeper than (1:16 within) (DOJ 2010 Standard Sec. 1008.2.5.1) Play areas < 1,000 sq ft may have 44" W AR to play area. When 44" AR is > 30' it must have at least one 60" diameter turning space. (DOJ 2010 Standard Sec. 1008.2.4.1)		NO	2	
3. Elevated ramps are 36" min. w/ a max. run of 144" and running slope less than or equal to 1:12 (ASTM 7.2.4)		NO	2	
4. Landings have min. 60" diameter at top and bottom of each run when there is a change in direction otherwise it must be equal to width of ramp. Landings w/ play elements have 30x48" wheelchair parking area w/out reducing adjacent circulation path to < 36". (ASTM 7.2.5 and DOJ 2010 Standard Sec. 405 and 406)		NO	2	
5. Ramps with 2 rails or no rails, barriers beyond the ramp edge, or barriers not extending to w/in 1" of ramp surface must have curb ≥ 2" above the ramp. (ASTM 7.5.5.5 and .6)		NO	2	
6. Ramps > 30" H (for 2-5 yrs) or > 48" H (for 5-12 yrs) have barriers. (ASTM 7.5.6.1 and .2)		NO	2	
7. Ramps have handrails (0.95" to 1.55") on both sides at height (H) between 26"-28". (ASTM 7.5.5.5 and DOJ 2010 Standard Sec. 1008.2.5.3.1 and .2)		NO	2	
8. Transfer point H is between 11-18" w/ clear min. 24" W x 14" D. Transfer steps are max. 8" H w/ handholds to assist with transfer. (DOJ 2010 Standard Sec. 1008.3.1.1 and .2)		NO	2	
9. Transfer Point has min. clear space of 60" dia. turning area at base and may overlap parking space but the 48" parking space length (L) dimension must be centered parallel to the 24" W of the transfer platform. (DOJ 2010 Standard Sec. 1008.3.1.3 Transfer Space and ASTM 7.5.4)		NO	2	
10. Play area use zone has accessible safety surfacing to all accessible play components. (ASTM 7.1.1) and compliant w/ DOJ 2010 Standard Sec. 1008.2.6 Ground Surfaces)		NO	2	

Accessibility (continued)

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
11. Accessible restroom facilities, seating, drinking fountain, and shade are located in or near the play area and on the AR. (DOJ 2010 Standard Sec. 206 Accessible Routes, 206.2.17 Within a Site and Chapter 4)		NO	2	
12. Openings on elevated wheelchair accessible access/egress points are < 15". (ASTM 7.5.6.3 (1-4) (Step Platforms, Ramps, and Upper Body and Accessible Access/Egress Components exempt.) (ASTM 7.5.5.2(3))		NO	2	
13. Accessible Ramps and Platforms have – Max. Horizontal openings 0.5" sphere, Max. vertical rise - 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 302.2 and .3)		NO	2	
14. Elevated accessible play opportunities designed w/ different access/egress points, such as slides, allow user to return unassisted to original transfer point. (DOJ 2010 Standard – Advisory Section 1008.3)		NO	2	
15. Vertical Knee clearance is min. 24"H, 17"D, 30"W and 31"H max top of playing surface. (DOJ 2010 Standard – Section 1008.4.3 Play Tables)		NO	2	
16. Accessible upper body eqpt, such as horizontal ladders and rings, are < 54" H. (ASTM 8.3.3)		NO	2	
17. Accessible manipulative play eqpt, such as panels, are between 20-36" H for 2-5 year olds and 18-44" H for 5-12 year olds. (DOJ 2010 Standard – Section 1008.4)		NO	2	
Refer to Accessibility Flow Chart for Questions 18 and 19 DOJ 2010 Standard Section 240.2 Play Components				
18. A. Where ground level components are provided at least one of each type shall be on AR. (DOJ 2010 Standard Sec. 240.2.1.1)				N/A
B. Meet minimum # Ground Level Play Components and Play Types on AR. (DOJ 2010 Standard Sec. 240.2.1.2)				N/A
19. Elevated AR connects minimum 50% Elevated Play Components by Ramp or Transfer. NOTE: 20 or more Elevated Play Components require minimum of 25% connected by Ramp. If 50% or more elevated play components are accessible by ramp they must be at least 3 different types. (DOJ 2010 Standard Sec. 240.2.1.2)				N/A
20. All access points along AR conform to DOJ 2010 Standard Section 206.2.17, and Play Areas Section 240; Chapter 4, 402/403 Accessible Routes minimum 1:20 running slope requirements at transition points w/ side slope transition of 1:48.		NO	2	

Access and Egress

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Steps/rungs are evenly spaced w/in $\pm .25"$ and horizontal w/in $\pm 2^\circ$. (ASTM 7.2.1)	YES		5	
2. Steps do not allow accumulation of water or debris. (ASTM 7.2.2; CPSC 5.2.1)	YES		5	
3. Stairways, step/rung ladders conform w/ access slope; tread, rung, ramp width; tread depth; rung diameter; and vertical rise for intended user group per ASTM Table 2. (ASTM 7.2.3; CPSC 5.2.1)	YES		5	
4. Ramps intended for access have a max. horizontal run of 144". (ASTM 7.2.4)				N/A
5. Landings w/ play components include wheelchair parking space w/ an adjacent circulation path $\geq 36"$. (ASTM 7.2.5)		NO	3	
6. Continuous handrails are provided on both sides of stairs w/ > 1 tread; stairs w/ 1 tread have handrail or alternate means of support; Handrail height between 22-38" beginning at 1st step. (ASTM 7.2.6; CPSC 5.2.3)		NO	3	Missing
7. Handrails have diameter between .95-1.55". (ASTM 7.2.6.4; CPSC 5.2.2)	YES		5	
8. Arch and flexible climbers not sole means of access for users 2-5. (ASTM 7.3.2.1; CPSC 5.2.1, 5.3.2.2, Table 5)	YES		5	
9. Climbers used as access provide a means of hand support for use while climbing. (ASTM 7.3.2.5; CPSC 5.2.2)	YES		5	
10. Stairways and stepladders have continuous handrails from access to platform. (ASTM 7.4.1; CPSC 5.2.3)		NO	3	
11. Accesses w/o handrails (rung ladders, arch climbers, flexible components, etc.) have alternate hand gripping component to facilitate this transition to platform. (ASTM 7.4.2; CPSC 5.2.4)	YES		5	
12. Stepping surface for final access on rung ladders, arch climbers, and flexible components are not connected above the designated play surface they serve. (ASTM 7.4.3; CPSC 5.2.1)	YES		5	No surfacing

Access and Egress (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	YES		5	
14. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		NO	3	
15. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		NO	3	
16. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)		NO	3	
17. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	YES		5	
18. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	YES		5	
19. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	?	NO	3	Fasteners loose, not all self-locking, missing
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	?	NO	3	exposed belts, holes
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	?	NO	3	
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	3	

Platforms, Landings, and Walkways

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Platforms are horizontal w/in a tolerance of $\pm 2^\circ$. (ASTM 7.5.1; CPSC 5.1.1)		NO	4	
2. Platforms, landings, walkways, and ramps do not trap water and accumulate debris. (ASTM 7.5.2; CPSC 5.1.1)	YES		5	
3. Platforms, landings, walkways, and ramps, and other elevated surfaces that are accessible to wheelchairs provide a min. 36" clear width; clear width may be reduced to 32" for max. 24". (ASTM 7.5.3)		NO	3	
4. Turning and parking spaces provided at a transfer point do not overlap. (ASTM 7.5.4)		NO	3	
5. Guardrails contain no designated play surfaces. (ASTM 7.5.5)				N/A
6. Guardrails are present on elevated surfaces > 20" when intended for 2-5, and > 30" when intended for 5-12. (ASTM 7.5.5.1; CPSC 5.1.3)	YES		5	
7. Guardrails surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.5.2; CPSC 5.1.3)				N/A
8. Top surface of guardrails min. 29" when intended for 2-5, and 38" when intended for 5-12. (ASTM 7.5.5.3; CPSC 5.1.3)				N/A
9. Lower edge of guardrails max. 23" when intended for 2-5, and 28" when intended for 5-12. (ASTM 7.5.5.4; CPSC 5.1.3)				N/A
10. Wheelchair accessible ramps requiring guardrails for either 2-5 or 5-12 year olds have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)		NO	3	
11. Wheelchair accessible ramps have 2" curb at both edges, unless guardrails and barriers don't extend to w/in 1" of ramp surface, or ramp has 2 rails and no barrier, or if barrier is beyond edge of ramp surface. (ASTM 7.5.5.6)		NO	3	
12. Barriers contain no designated surface and minimize climbing. (ASTM 7.5.6; CPSC 5.1.3)				N/A

Platforms, Landings, and Walkways (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Barriers provided on elevated surfaces > 30" when intended for 2-5, and > 48" when intended for 5-12. (ASTM 7.5.6.1)	YES		5	
14. Wheelchair accessible ramps that require barriers have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)		NO	3	
15. Barriers surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.6.3)	YES		5	
16. Top surface of barrier is 29" min. when intended for 2-5, and 38" max. when intended for 5-12. (ASTM 7.5.6.4)	YES		5	
17. Adjacent platforms w/ height difference > 12" when intended for 2-5 or > 18" when intended for 5-12 have an access component. (ASTM 7.5.7.1)	YES		5	
18. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	YES		5	
19. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		NO	3	
20. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		NO	3	
21. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	YES		5	
22. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	YES		5	
23. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	YES		5	Unsafe condition could arise if maintenance is not conducted on flexible platform +

Platforms, Landings, and Walkways (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
24. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	YES		5	
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	YES ?		5	
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	?	NO	3	
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	3	

Climbers

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Rungs used for hand gripping are .95 – 1.55" in diameter and do not twist or rotate. (ASTM 8.2.1; CPSC 5.2.2)	YES		5	
2. No climbing bars in interior of structure onto which a child may fall from H > 18". (CPSC 5.3.2.1.5)	YES		5	
3. Freestanding arch and flexible climbers are not recommended for 2-5. (CPSC 5.3.2.2, 5.3.3.3)	YES		5	
4. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	YES		5	
5. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	YES		5	
6. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	YES		5	
7. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	YES		5	
8. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	YES		5	
9. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	YES		5	
10. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	?	NO	4	
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	YES ?		5	
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	YES ?		5	
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	3	

Slides

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Transition platform depth is min. 14"; width is \geq slide bedway width. (ASTM 8.5.2.2, 8.5.2.3; CPSC 5.3.6.2)	YES		5	
2. Handrails or means of hand support are provided at chute entrance. A means to channel users into sitting position exists. (ASTM 8.5.3.1, 8.5.3.2; CPSC 5.3.6.2)	YES		5	
3. Height/Length ratio $< .577$ (30°); no span of sliding surface $> 50^\circ$. (ASTM 8.5.4.1, 8.5.4.2; CPSC 5.3.6.3.4)	YES		5	
4. Slide chute width is min. 12" for 2-5, and min. 16" for 5-12. (ASTM 8.5.4.3; CPSC 5.3.6.3.4)	YES		5	
5. Slides w/ flat and open chutes have continuous sidewall min. 4" high on both sides. (ASTM 8.5.4.4; CPSC 5.3.6.3.4)	YES		5	
6. Tube slides have min. diameter of 23" w/ texture or barrier to prevent sliding on outside. (ASTM 8.5.4.7; CPSC 5.3.6.3.5)	YES		5	
7. Slides have min. 11" exit region length; exit region slope is between 0 and -4° . (ASTM 8.5.5.1, 8.5.5.2; CPSC 5.3.6.4)	YES		5	
8. Slides < 48 " high have max. 11" height at exit; slides > 48 " have exit height between 7-15"; slide exit edges are rounded or curved. (ASTM 8.5.5.3, 8.5.5.5; CPSC 5.3.6.4)	YES		5	
9. Slide non-entanglement zone has no projections that extend $> .12$ " in any orientation. (ASTM 6.4.1.1.2; CPSC 5.3.6.7)	YES		5	
10. Sliding surface is smooth and continuous (except roller slides) and has no spaces that may create an entanglement hazard. (ASTM 6.4.1.2; CPSC 5.3.6.7)	YES		5	
11. A clear area, free of obstacles, surrounds the slide chute; clear area extends through slide exit use zone. (ASTM 8.5.6.1)	YES		5	
12. Spiral slides w/ open chutes have a clear area 21" wide from the inside edge of sidewall for the entire length. (ASTM 8.5.6.2)	YES		5	
13. Slides are accessed by evenly spaced stairs, ladders, or platforms < 9 " (2-5) or < 12 " (5-12) apart, and pass entrapment test. (ASTM Table 2, CPSC 5.2.1, Table 6)	YES		5	
14. Slide bedway is shaded and avoid direct sun exposure to metal decks and chutes. (CPSC 5.3.6)				N/A

Slides (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
15. Long spiral slides (> 1 360° turn) are not recommended for 2-5. (CPSC 5.3.6.3.3)	YES		5	
16. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	YES		5	
17. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	YES		5	
18. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	YES		5	
19. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	YES		5	
20. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	YES		5	
21. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1) Roller slides do not admit 3/16" neoprene rod. (CPSC 5.3.6.3.2)	YES		5	
22. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	?	NO	4	
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	?			N/A
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	YES ?		5	
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	3	Nonexistent surfacing

Swings

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. All suspended elements are located away from other play structures and circulation areas; are not attached to composite structures. (ASTM 8.6.1)	YES		5	Shrubs and trees adjacent to toddler swing set
2. Support structure discourages climbing and has no designated play surfaces. (ASTM 8.6.2)	YES		5	
3. Maximum (2) and/or (1) multiple occupancy or multi-axis suspended element per bay and are finished w/ blunt or rounded edges. (ASTM 6.2 and 8.6.4.4, and .5)		NO	4	
4. Hangers have bearings, bushings, or other means of reducing friction and wear. (ASTM 8.6.3)	YES		5	
5. Horizontal distance between adjacent suspended elements at rest is min. 24" when measured 60" above surfacing. (ASTM 8.6.5.1.2)	YES		5	
6. Horizontal distance between support structure & adjacent to-fro seat min. 30" measured 60" above surfacing. (ASTM 8.6.5.1.3)	YES		5	
7. Swing hangers are min. 20" apart, and spaced wider than suspended element. (ASTM 8.6.5.1.4)	YES		5	
8. Vertical distance between underside of suspended element and surfacing min. 12" and 24" for enclosed suspended elements. (ASTM 8.6.5.1.5)	YES		5	
9. All suspended elements must comply w/ laboratory test for max. impact. ($\leq 100\text{gs}/\leq 500\text{HIC}$) (ASTM 8.6.4.2)	YES		5	
10. (1) single-axis or multi-axis suspended element (per bay) and w/ limited lateral movement must maintain min. 30" clearance to support structure during use measured 24" from top of seat surface. (ASTM 8.6.5.1.3)	YES		5	
11. All parts of a suspended element $\leq 84"$ at its lowest point during use must meet impact requirements. ($\leq 100\text{g}/\leq 500\text{HIC}$) (ASTM 8.6.4.3)	YES		5	
12. Combination suspended elements must have a $> 30"$ clearance zone to support structure at rest or full range of motion of other suspended element through its dynamic range of motion during use. (ASTM 8.6.5.3.2)	YES		5	

Swings (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Multi-axis suspended elements have Y + 30" cylindrical, unobstructed clearance zone, where Y= vert. distance from pivot point to top of swing seat. Min. 12" from bottom of swing seat and surfacing. (ASTM 8.6.5.2)				N/A
14. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	YES		5	
15. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	YES		5	
16. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	YES		5	
17. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	YES		5	
18. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	YES		5	
19. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	YES		5	
20. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	?	NO	4	
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	YES ?		5	N/A
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	?	NO	4	Old chain surface rust, horizontal top bar loose on toddler swings +
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	3	

Merry-Go-Rounds (Whirls)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Platform continuous and approx. circular. Max. 2" difference between min. and max radii. No component extends beyond platform perimeter. (ASTM 8.8.2; CPSC 5.3.4)	YES		5	
2. Platform height is max. 14" when intended for 2-5 and 18" when intended for 5-12. (ASTM 8.8.2; CPSC 5.3.4)	YES		3	worn area around platform has increased height difference
3. Handgrips are provided, or platform is dish or tub-like. (ASTM 8.8.3)	YES		5	
4. Underside of platform min. 9" above the surfacing. Platforms w/ diameter < 20" are exempt. (ASTM 8.8.4.2; CPSC 5.3.4)	YES		3	no surfacing
5. Platform does not oscillate (move up and down). (ASTM 8.8.5; CPSC 5.3.4)		NO	5	does not run true
6. Merry-go-round is equiped w/ a speed limiting device. Platforms w/ diameter < 20" are exempt. (ASTM 8.8.6, 8.8.6.1, 8.8.6.2, 8.8.6.3; CPSC 5.3.4)		NO	3	
7. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	YES		5	
8. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	YES		5	
9. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		NO	3	bolts in center of platform protrude out
10. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	YES		5	
11. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)				N/A

Merry-Go-Rounds (Whirls) (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
12. Crush/Shear... All components pass crush shear tests. No opening w/in perimeter \geq 5/16" diameter. (ASTM 6.5; CPSC 5.3.4)	YES		5	
13. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	?	NO	4	
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	?			N/A
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	?	NO	3	paint worn off, surface rust, lead content unknown
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	3	no protective surfacing or containment border

Seesaws

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Fulcrum seesaws are not recommended for ages 2-5 unless equipped with a spring centering mechanism to minimize abrupt contact w/ the surfacing. (ASTM 8.10.1; CPSC 5.3.5.1)		NO	2	no spring mechanism or fall surface
2. Seesaws without spring centering device have shock-absorbing material (i.e. tires) embedded in surfacing beneath ends, or secured to underside of each occupied position. (ASTM 8.10.2; CPSC 5.3.5.1)	YES		3	tires with exposed belts and holes
3. Each occupied position has handgrips. Handgrips do not turn, rotate, or twist. Handgrips for 1 hand are min. 3" long. Handgrips for 2 hands are min. 6" long. Handgrips do not protrude beyond sides of seat. (ASTM 8.10.4; CPSC 5.3.5.4)	YES		5	
4. Seesaws not equipped w/ spring centering device have footrests. (ASTM 8.10.5; CPSC 5.3.5.2)				N/A
5. Seesaw can attain a max. height of 60", and max. angle of 25° above horizontal. (ASTM 8.10.6; CPSC 5.3.5.1)	YES		5	
6. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	YES		5	
7. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		NO	3	
8. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		NO	3	bolts on bottom of equipment protrude out
9. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	YES		5	

Seesaws (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
10. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	YES		5	
11. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	YES		5	
12. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	?	NO	4	
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	?	NO	3	tires with exposed belts and holes
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	?	NO	3	paint chipping
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	3	no fall surface or containment border

Spring Rocking Equipment

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Seats are designed to minimize use by more than intended number of users. (ASTM 8.11.1; CPSC 5.3.7)	YES			
2. Each seating position has handgrips. Handgrips for 1 hand are min. 3" long. Handgrips for 2 hands are min. 6" long. (ASTM 8.11.2; CPSC 5.3.7)		NO	4	pelican handgrips 2.75" long
3. Footrests are provided w/ min. width of 3.5". (ASTM 8.11.3; CPSC 5.3.7)	YES			
4. Spring mechanisms are free of crush and shear. Upper and lower attachment points of coil springs are exempt. (ASTM 8.11.4; CPSC 5.3.7)		NO	4	attachment hardware loose
5. Seat height is min. 14" and max. 28" above surfacing. (ASTM 8.11.5; CPSC 5.3.7)		NO	3	no surfacing
6. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	YES			
7. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	YES			
8. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		NO	2	one broken spring coil
9. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	YES			
10. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	YES			
11. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	YES			

Spring Rocking Equipment (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
12. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	?	NO	4	loose
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	?			N/A
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	?	NO	3	paint chipping
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	3	no fall surface or containment border

Playground Safety Compliance Audit Form

Inspector (print) _____ Signature _____ CPSI # _____

Date _____ Time _____ Weather _____

Playground Name and/or Identification Number Silver Gate Park

Injuries to children may occur from many types of playground equipment and environmental conditions. The checklist on the following pages will help you to assess and correct safety concerns that may be present on or near your playground. While it does not cover every potential safety concern in a children's environment, it is an overview of most known playground safety concerns. The checklist does not apply to home playground equipment, amusement park equipment, or to equipment normally intended for sports use. The checklist also does not address the many important issues of child development that pertain to play.

The playground safety compliance audit form is not a regulatory standard, but a compilation of suggested guidelines based upon the *Public Playground Safety Handbook* written by the U.S. Consumer Product Safety Commission (CPSC)¹ Revised November 2010; American Society for Testing and Materials (ASTM)² F1487-11 Standard; Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas³ (These accessibility standards published in the Federal Register on September 15, 2010 can be found at: <http://www.ada.gov/regs2010/2010ADASTandards/2010ADAstandards.htm>) and expert opinions from individuals with a vast amount of experience in the field of playground safety.

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- Created from the "Statewide Comprehensive Injury Prevention Program" (SCIPP), Department of Public Health, 150 Trecost Street, Boston, MA 02111
- Adapted as Wheaton Park District's "Initial Playground Safety Audit" September, 1989, Revised December 20, 1990 and November, 1991, Ken Kutska, CPRP
- Edited and updated June, 1992, by Ken Kutska, CPRP, and Kevin Hoffman, ARM, Park District Risk Management Agency
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 1998, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Edited and updated March, 2003, by Ken Kutska, CPRP, CPSI; Kevin Hoffman, ARM, CPSI, and Tony Malkusak, CPRP, CPSI
- Excel™ formatted 2004, revised citations to 2008 CPSC *Handbook* and ASTM F1487-07ae¹ Standard, August, 2008, by Steve Plumb, CPRP, CPSI
- Revised September 2008 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director
- Revised August 2011 by IPSI, LLC, Ken Kutska, CPRP, CPSI, Executive Director

1. U.S. Consumer Product Safety Commission, (CPSC), 4330 East West Highway, Bethesda, MD 20814

2. American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive West Conshohocken, Pennsylvania 19428

3. U.S. Access Board, 1331 F Street, NW, Suite 1000, Washington, DC, 20004

(<http://www.ada.gov/regs2010/ADAREgs2010.htm>)

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Five Level Safety Concern Priority Rating System

Rating	Description
Safety Concern Priority	Condition Likely to Cause
Priority 1 Safety Concern	Non-compliant safety concern that may result in permanent disability, loss of life or body part. Condition should be corrected immediately.
Priority 2 Safety Concern	Non-compliant safety concern that may result in temporary disability. Condition should be corrected as soon as possible.
Priority 3 Safety Concern	Non-compliant safety concern that is likely to cause a minor (non-disabling) injury. Condition should be corrected when time permits.
Priority 4 Safety Concern	Non-compliant safety concern whose potential to cause an injury is very minimal. Condition should be corrected if it worsens.
Priority 5	The item has been determined to be compliant with the owner/operator's operating policy and standard of care. Continued ongoing preventive maintenance is recommended.

Playground Safety Audit Forms

Background Information

Page 1

IMPORTANT: This information has been prepared to assist the agency's attorney in defending potential litigation. Do not release to any person except an agency official, insurance representative, or an investigating police officer.

Play Area: Silver Gate Park Date: 07/09/14

Eqpt Type: Freestanding Surface: N/A

Audited By: _____ Intended User Age: 5-12

General Environment

1. Category of Playground: (check all that apply)

Community Park _____ Public School _____ Childcare Center
 Neighborhood Park/Tot Lot _____ Private School Other: _____

2. Equipment Inventory: (indicate the number of equipment pieces that exist)

A. Composite Structures

stairways/step ladders N/A
 stairways/step ladders N/A
 rigid climbers N/A
 flexible climbers N/A
 decks/platforms N/A
 play panels N/A
 slides N/A
 sliding poles N/A
 horizontal ladders N/A
 horizontal rings N/A
 track rides N/A
 crawl tunnels N/A
 clatter/other bridges N/A
 ramps N/A
 transfer stations N/A
 roofs N/A
 other N/A
 other _____

B. Freestanding Eqpt

swings (to-fro) 1
 rotating swings 0
 seesaws 1
 slides 0
 rigid climbers 2
 flexible climbers 0
 upper body eqpt 0
 rocking eqpt 0
 merry-go-round 0
 spinner (< 20" D) 0
 sand play area 0
 backhoe digger 0
 play panels 0
 stepping pods 0
 net climber 0
 other 1 (tire swing)
 other _____
 other _____

C. Site Amenities

benches 2
 tables 4
 water fountains 0
 bicycle racks 0
 wheelchair parking 0
 signs (safety) 0
 litter barrels 0
 fencing 0
 accessible route to play area N/A
 other _____
 other _____
 other _____

General Environment (continued)

3. Playground Perimeter Concerns

Directions: Check all potential concerns that exist, and indicate the actual distance item is from play area border. The owner/operator shall evaluate each border concern for possible mitigation.

Playground Perimeter Concerns	Distance from Border	Priority Rating	Comments
1st public street	N/A		
2nd public street	N/A		
3rd public street	N/A		
4th public street	N/A		
streets with heavy traffic	20'		Hwy 212
water (ponds/streams/ditch)	N/A		
soccer/football field	N/A		
baseball/softball field (home plate)	N/A		
basketball court	N/A		
parking lot	N/A		
railroad tracks	N/A		
trees (not pruned up at least 84" within playground area)	N/A		
golf course	N/A		
quarry pit (cliff-like condition)	N/A		
contaminated area/landfill	N/A		
other (specify)			
other (specify)			
other (specify)			

General Environment (continued)

Page 3

August 2011

General Environment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
4. If needed, fence is provided for perimeter concerns. See Pg 2 for list of concerns. (CPSC 2.1) (Fencing Reference ASTM F2049)	Y E S		5	fence not needed
5. Shaded area is provided. (CPSC 2.1.1)		N O	4	two large trees on-site. in need of large shade structure +
6. Play area is visible to deter inappropriate behavior. (CPSC 2.2.4)	Y E S		5	
7. Equipment not recommended on public playgrounds include... climbing ropes not secured at both ends, trampolines, swinging gates, giant strides, heavy metal swings (animal swings), rope swings, swinging dual exercise rings and trapeze bars. (CPSC 2.3.1)		N O	1	loose swing chains (missing seat), exercise rings and trapeze bar risk of impact injury
8. Playground is accessed safely by a sidewalk that is free of standing water, pea gravel, and low branches and complies with the DOJ 2010 Standard for Accessible Design (min. 80" overhead clearance, 60" min. width, max. cross slope of 1:50 and max. running slope of 1:20, max. gaps of 1/2" and no vertical rise greater than 1/4" without a beveled edge, and finally there should be no depressions greater than 1/2").		N O	3	playground not accessible via sidewalk
9. Seating (benches, tables) is in good condition (free of splinters, missing hardware/slats, sharp edges, etc). (exempt from ASTM F1487)		N O	3	splintering wood benches
10. Signs on all bordering streets advise motorists that a playground is nearby.		N O	4	no noticeable playground signs
11. Trash receptacles are provided and located outside of play area use zone.		N O	3	no trash receptacles

Materials and Manufacture

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Playground equipment is manufactured and constructed only of materials that have a demonstrated durability and comply with the Consumer Product Safety Improvement Act of 2008). (ASTM 4.1.2; CPSC 2.5.1)		N O	2	dated materials, outdated and or fabricated equipment
2. Metals subject to structural degradation such as rust or corrosion are painted, galvanized or otherwise treated. (ASTM 4.1.1; CPSC 2.5.1)		N O	4	tire swing rusting
3. Wood materials are naturally rot-resistant or treated to avoid deterioration. (ASTM 4.1.3; CPSC 2.5.5)		N O	3	benches splintering
4. Plastics and other materials that experience ultraviolet (UV) degradation are UV protected. (ASTM 4.1.1)				N/A
5. Users cannot ingest, inhale, or absorb any potentially hazardous amounts of substances through body surfaces as a result of contact with the equipment. (ASTM 4.1.2 and 4.1.3; CPSC 2.5.4)	Y E S		5	
6. Moving suspended elements are connected to the fixed support w/ bearings or bearing surfaces that serve to reduce friction and wear. (ASTM 4.2.3; CPSC 2.5.2)		N O	4	tire swing connection - poses an impact/protrusion hazard, crush/ shear hazard...
7. Steel cable permanently affixed to a hanger assembly performs as a bearing surface. Cable ends are inaccessible or capped. Cables or steel-cored ropes are protected to prevent fraying, loosening, unraveling, or excessive shifting. (ASTM 4.2.3.1)				N/A
8. Creosote-treated wood and coatings that contain pesticides are not used. (ASTM 4.1.3; CPSC 2.5.5)				N/A
9. CCA-treated wood is not used, or is regularly coated (min. once/year) w/ a penetrating sealant or stain. (CPSC 2.5.5.1)				N/A
10. Play structures are anchored to the ground and not intended to be relocated. (ASTM 5.3)	Y E S		5	

Use Zones

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Stationary Equipment				
1. Use zone extends min. 72" on all sides of structure. Equipment intended for user to maintain contact w/ the ground during play (i.e. talk tubes, activity panels) is exempt from use zone requirements. (ASTM 9.2.1; CPSC 5.3.9)	YES		5	
2. Use zones for 2 or more stationary structures that are play-functionally linked are treated as if separate components are part of a composite unit. (ASTM 9.2.2; CPSC 5.3.9)	YES		5	
3. Use zones of stationary equipment and other equipment may overlap. If adjacent designated play surfaces of each structure are < 30", the min. distance between equipment is 72". If adjacent designated play surfaces of either structure are > 30", the min. distance between equipment is 108". (ASTM 9.2.3; CPSC 5.3.10)	YES		5	
B. Rotating Equipment				
1. Minimum use zone for rotating eqpt is 72" from perimeter. No other structure may overlap this use zone. Rotating eqpt < 20" diameter are exempt and may be 72" apart when each have designated play surfaces < 30" high, or 108" apart when one or both have designated play surfaces > 30" high. (ASTM 9.3.2; CPSC 5.3.4.1)				N/A
2. Single user equipment (i.e. sand diggers) where user maintains contact w/ the ground are exempt from use zone requirements. (ASTM 9.2.1)				N/A
3. No other structure overlaps the use zone of eqpt that rotates around a horizontal axis w/ a designated play surface > 30". (ASTM 9.3.5)				N/A

Use Zones (continued)

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
C. To-Fro Swings				
1. Use zone to front and rear of to-fro swing is 2X where X = distance between pivot point and surfacing by width of beam. (ASTM 9.4.1.1; CPSC 5.3.8.3.3) Combination Swing Use Zone should be composed of the individual use zones as defined in 9.4.1 and 9.4.2 or both for the individual suspended elements. (ASTM 9.4.3)	YES		5	
2. For swings w/ fully enclosed To-Fro swing seats, use zone is 2W where W = distance between pivot point and top of occupied sitting surface. (ASTM 9.4.1.2; CPSC 5.3.8.3.3)	YES		5	
3. No other play structure overlaps the front-to-rear use zone of a to-fro swing. (ASTM 9.4.1.3; CPSC 5.3.8.3.3)	YES		5	
4. Use zone width is at least as wide as the swing top beam. T-swings use zones have special conditions. (ASTM 9.4.1.4)	YES		5	
5. Use zone around support structure is min. 72" in all directions from the structure. Support structure use zones for adjacent to-fro swings may overlap (6' apart). Support structure use zones may overlap w/ other equipment w/ min. 108" between structures. (ASTM 9.4.1.5; CPSC 5.3.8.3.3)	YES		5	
D. Rotating Swings				
1. Use zone is min. horizontal distance of Y+72", where Y = vertical distance between pivot point and top of swing seat. (ASTM 9.4.2.1; CPSC 5.3.8.4.1)				N/A
2. No other play structure use zone overlaps rotating swing use zone. (ASTM 9.4.2.2; CPSC 5.3.8.4.1)				N/A
3. Use zone around support structure is min.72" in all directions from the structure. (ASTM 9.4.2.3; CPSC 5.3.8.4.1)				N/A
4. Support structures of adjacent rotating swings may overlap (6' apart), however, swing bay clearances (Y+30") are not overlapped. (ASTM 9.4.2.4; CPSC 5.3.8.4.1)				N/A
5. Support structure use zone may overlap use zone of other equipment w/ min. 108" between structures. (ASTM 9.4.2.5; CPSC 5.3.9)				N/A

Use Zones (continued)

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
E. Rocking/Springing Equipment				
1. Use zone for equipment intended for sitting is min. 72" in all directions from at-rest perimeter. (ASTM 9.5.1.1; CPSC 5.3.7)				N/A
2. Use zone of adjacent eqpt may overlap when each structure has max. seat height and/or designated playing surface of less than or equal to 30". (ASTM 9.5.1.2; CPSC 5.3.7)				N/A
3. Use zone of rocking/springing eqpt may overlap to 72" apart when each structure has max. designated play surface height < 30"; and to 108" apart when either has a designated play surface higher than 30" unless otherwise specified in ASTM Section 9. (ASTM 9.5.1.3; CPSC 5.3.7)				N/A
4. Use zone for rocking/springing eqpt intended for standing is min. 84" in all directions from the at-rest perimeter. (ASTM 9.5.2.1)				N/A
5. No other play structure use zone overlaps the standing rocking/springing structure use zone. (ASTM 9.5.2.2)				N/A
6. Equipment w/ limited movement or eqpt on which user cannot develop enough force to launch or propel themselves away from the eqpt is exempt from these requirements. (ASTM 9.5.2.3)				N/A
F. Slides				
1. Use zone around steps or ladder, chute, platform or slide bed of straight, wavy, or spiral slides is min. 72" from perimeter. (ASTM 9.6.1; CPSC 5.3.6.5)				N/A
2. Use zone at exit is min. X where X = vertical distance from highest point of sliding surface to surfacing. Use zone at slide exit is min. 72" and need not be > 96". (ASTM 9.6.2, 9.6.2.1; CPSC 5.3.6.5)				N/A
3. A clear zone, free of equipment, extends min. 21" from inside of each side wall from the end of the slide to the perimeter of the slide use zone. Clearance zones for two or more parallel slide beds may overlap. Clearance zones for converging slides may not overlap. (ASTM 8.5.6, 9.6.3)				N/A

Use Zones (continued)

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
G. Track Rides				
1. Track ride use zones are min. 72" in all directions from equipment. (ASTM 9.9.1)				N/A
H. Composite Structures				
1. Use zone is min. 72" from structure perimeter, and complies w/ use zones established for individual types of eqpt. (ASTM 9.7.1 and 9.7.2; CPSC 5.3.9)				N/A
2. Professional judgment may be used to eliminate hazards created by circulation conflicts or adjacent structures that are in close proximity. (ASTM 9.7.2)				N/A
I. Placement of Equipment				
1. Sufficient space is provided between all adjacent structures and individual play eqpt for the purposes of play and circulation. (ASTM 9.8; CPSC 2.2.4)	YES		5	
2. In settings where periodic overcrowding is likely, a supplemental circulation area beyond the use zone is provided, using professional judgement of owner/operator. (ASTM 9.8.2 and CPSC 2.2.4)	YES		5	
3. Moving equipment such as swings and rotating equipment are located near the periphery away from circulation routes. (ASTM 9.8.3; CPSC 2.2.4)	YES		5	
4. Overhead obstructions within play structure usezones are min. 84" from each designated play surface, the use zone, or the pivot point of swings. (ASTM 9.8.4.1)	YES		5	
5. Overhead utility line clearances comply w/ all local, state, and national codes such as National Electrical Safety Code. (ASTM 9.8.4.2)	YES		5	

Maintenance, Surfacing, Labeling, Signage

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
A. Maintenance				
1. Owner/Operator maintains detailed installation, inspection, maintenance, and repair records for each playground area. (ASTM 13.3; CPSC 4)		NO	1	does not appear to have been maintained/inspected for years
B. Protective Surfacing				
1. Owner/Operator maintains the protective surfacing within the use zone of each play structure in accordance w/ ASTM F1292 w/ a critical height appropriate for the fall height of each structure, and ASTM F1951 where applicable (ASTM 13.2.1; CPSC 2.4) and the Accessible Route in accordance w/ DOJ 2010 Standard (Section 1008.2.6)		NO	1	
2. Protective surfacing is maintained free from extraneous materials that could cause injury, infection, or disease. (ASTM 13.2.2; CPSC 4)		NO	1	
3. Surfacing is well-drained and free of standing water. (ASTM 13.2.2; CPSC 2.4.2.2)		NO	1	
4. Written documentation available of laboratory compliance testing ASTM F1292 and F1951 and F2075 for EWF. (ASTM 13.2, 13.3)		NO	1	
5. Written documentation available of post installation compliance to the appropriate ASTM Standards. (ASTM 13.3)		NO	1	
C. Labeling				
1. On or near all play structures where applicable have posted a warning label containing... 1) signal word WARNING , 2) safety alert symbol (triangle w/ exclamation point inside) preceding signal word, and 3) warning message "Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury or death from falls." (ASTM 14.2.5)		NO	3	
2. Manufacturer's identification appears, is durable, and is placed on the play structure. (ASTM 15)		NO	3	
D. Information Signage				
1. Signs or labels provide information for age appropriateness of playground. (ASTM 14.2.1)		NO	3	
2. Signs or labels provide information stating adult supervision is recommended. (ASTM 14.2.2)		NO	3	
3. Sign posted to communicate warning for the need to remove helmets, drawstrings and items around the neck due to strangulation. (ASTM 14.2.3)		NO	3	
4. Sign posted to communicate warning about hot play surfaces and surfacing can cause severe burns to young children. (ASTM 14.2.4; CPSC 2.2.6, 2.5.3, 3.2.1)		NO	3	
5. Freestanding signs are located outside the equipment use zone to alert the user of the concern in time to take action. (ASTM 14.1.1.2, 14.1.2, 14.1.3)		NO	3	

Accessibility

This form is provided so that owner/operators can evaluate appropriate accessibility requirements from the Department of Justice 2010 ADA Standards for Accessible Design (2010 Standards) for Title II (28 CFR Part 35) and Title III (28 CFR Part 36), Sections 240 and 1008 Play Areas. This Federal Law became enforceable in March of 2011. These items will not be found in ASTM or CPSC documents but the Law is referenced in both. This Section will assist in your assessment of compliance to the minimum requirements of this Standard.

General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Outside the play area the Accessible Route (AR) has max. running slope of 1:20 and max. cross slope of 1:50 and a minimum of 60" wide w/ max. abrupt vertical rise – 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 303)		NO	2	
2. Inside the play area the AR is at least 60" wide (W), has max. cross-slope of 1:48, and 80" overhead clearance with max. running slope no steeper than (1:16 within) (DOJ 2010 Standard Sec. 1008.2.5.1) Play areas < 1,000 sq ft may have 44" W AR to play area. When 44" AR is > 30' it must have at least one 60" diameter turning space. (DOJ 2010 Standard Sec. 1008.2.4.1)		NO	2	
3. Elevated ramps are 36" min. w/ a max. run of 144" and running slope less than or equal to 1:12 (ASTM 7.2.4)		NO	2	
4. Landings have min. 60" diameter at top and bottom of each run when there is a change in direction otherwise it must be equal to width of ramp. Landings w/ play elements have 30x48" wheelchair parking area w/out reducing adjacent circulation path to < 36". (ASTM 7.2.5 and DOJ 2010 Standard Sec. 405 and 406)		NO	2	
5. Ramps with 2 rails or no rails, barriers beyond the ramp edge, or barriers not extending to w/in 1" of ramp surface must have curb ≥ 2" above the ramp. (ASTM 7.5.5.5 and .6)		NO	2	
6. Ramps > 30" H (for 2-5 yrs) or > 48" H (for 5-12 yrs) have barriers. (ASTM 7.5.6.1 and .2)		NO	2	
7. Ramps have handrails (0.95" to 1.55") on both sides at height (H) between 26"-28". (ASTM 7.5.5.5 and DOJ 2010 Standard Sec. 1008.2.5.3.1 and .2)		NO	2	
8. Transfer point H is between 11-18" w/ clear min. 24" W x 14" D. Transfer steps are max. 8" H w/ handholds to assist with transfer. (DOJ 2010 Standard Sec. 1008.3.1.1 and .2)		NO	2	
9. Transfer Point has min. clear space of 60" dia. turning area at base and may overlap parking space but the 48" parking space length (L) dimension must be centered parallel to the 24" W of the transfer platform. (DOJ 2010 Standard Sec. 1008.3.1.3 Transfer Space and ASTM 7.5.4)		NO	2	
10. Play area use zone has accessible safety surfacing to all accessible play components. (ASTM 7.1.1) and compliant w/ DOJ 2010 Standard Sec. 1008.2.6 Ground Surfaces)		NO	2	

Accessibility (continued)

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General Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
11. Accessible restroom facilities, seating, drinking fountain, and shade are located in or near the play area and on the AR. (DOJ 2010 Standard Sec. 206 Accessible Routes, 206.2.17 Within a Site and Chapter 4)		NO	2	
12. Openings on elevated wheelchair accessible access/egress points are < 15". (ASTM 7.5.6.3 (1-4) (Step Platforms, Ramps, and Upper Body and Accessible Access/Egress Components exempt.) (ASTM 7.5.5.2(3))		NO	2	
13. Accessible Ramps and Platforms have – Max. Horizontal openings 0.5" sphere, Max. vertical rise - 1/4", or 1/4" + 1/4" beveled, and > 1/2" must be ramp 1:12 max. (DOJ 2010 Standard Sec. 302.2 and .3)		NO	2	
14. Elevated accessible play opportunities designed w/ different access/egress points, such as slides, allow user to return unassisted to original transfer point. (DOJ 2010 Standard – Advisory Section 1008.3)		NO	2	
15. Vertical Knee clearance is min. 24"H, 17"D, 30"W and 31"H max top of playing surface. (DOJ 2010 Standard – Section 1008.4.3 Play Tables)		NO	2	
16. Accessible upper body eqpt, such as horizontal ladders and rings, are < 54" H. (ASTM 8.3.3)		NO	2	
17. Accessible manipulative play eqpt, such as panels, are between 20-36" H for 2-5 year olds and 18-44" H for 5-12 year olds. (DOJ 2010 Standard – Section 1008.4)		NO	2	
Refer to Accessibility Flow Chart for Questions 18 and 19 DOJ 2010 Standard Section 240.2 Play Components				
18. A. Where ground level components are provided at least one of each type shall be on AR. (DOJ 2010 Standard Sec. 240.2.1.1)				N/A
B. Meet minimum # Ground Level Play Components and Play Types on AR. (DOJ 2010 Standard Sec. 240.2.1.2)				N/A
19. Elevated AR connects minimum 50% Elevated Play Components by Ramp or Transfer. NOTE: 20 or more Elevated Play Components require minimum of 25% connected by Ramp. If 50% or more elevated play components are accessible by ramp they must be at least 3 different types. (DOJ 2010 Standard Sec. 240.2.1.2)				N/A
20. All access points along AR conform to DOJ 2010 Standard Section 206.2.17, and Play Areas Section 240; Chapter 4, 402/403 Accessible Routes minimum 1:20 running slope requirements at transition points w/ side slope transition of 1:48.				N/A

Access and Egress

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Steps/rungs are evenly spaced w/in $\pm .25"$ and horizontal w/in $\pm 2^\circ$. (ASTM 7.2.1)				N/A
2. Steps do not allow accumulation of water or debris. (ASTM 7.2.2; CPSC 5.2.1)				N/A
3. Stairways, step/rung ladders conform w/ access slope; tread, rung, ramp width; tread depth; rung diameter; and vertical rise for intended user group per ASTM Table 2. (ASTM 7.2.3; CPSC 5.2.1)				N/A
4. Ramps intended for access have a max. horizontal run of 144". (ASTM 7.2.4)				N/A
5. Landings w/ play components include wheelchair parking space w/ an adjacent circulation path $\geq 36"$. (ASTM 7.2.5)				N/A
6. Continuous handrails are provided on both sides of stairs w/ > 1 tread; stairs w/ 1 tread have handrail or alternate means of support; Handrail height between 22-38" beginning at 1st step. (ASTM 7.2.6; CPSC 5.2.3)				N/A
7. Handrails have diameter between .95-1.55". (ASTM 7.2.6.4; CPSC 5.2.2)				N/A
8. Arch and flexible climbers not sole means of access for users 2-5. (ASTM 7.3.2.1; CPSC 5.2.1, 5.3.2.2, Table 5)				N/A
9. Climbers used as access provide a means of hand support for use while climbing. (ASTM 7.3.2.5; CPSC 5.2.2)				N/A
10. Stairways and stepladders have continuous handrails from access to platform. (ASTM 7.4.1; CPSC 5.2.3)				N/A
11. Accesses w/o handrails (rung ladders, arch climbers, flexible components, etc.) have alternate hand gripping component to facilitate this transition to platform. (ASTM 7.4.2; CPSC 5.2.4)				N/A
12. Stepping surface for final access on rung ladders, arch climbers, and flexible components are not connected above the designated play surface they serve. (ASTM 7.4.3; CPSC 5.2.1)				N/A

Access and Egress (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))		NO	4	
14. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		NO	2	sharp metal edges on climbing equipment
15. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		NO	2	bolt/hardware protruding
16. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	YES		5	
17. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)		NO	2	tire swing connection hardware
18. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)		NO	4	
19. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	?	NO	2	rusting, excess exposed threads
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	?			N/A
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	?	NO	3	paint chipping
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	3	no fall surface or containment border

Platforms, Landings, and Walkways

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Platforms are horizontal w/in a tolerance of $\pm 2^\circ$. (ASTM 7.5.1; CPSC 5.1.1)				N/A
2. Platforms, landings, walkways, and ramps do not trap water and accumulate debris. (ASTM 7.5.2; CPSC 5.1.1)				N/A
3. Platforms, landings, walkways, and ramps, and other elevated surfaces that are accessible to wheelchairs provide a min. 36" clear width; clear width may be reduced to 32" for max. 24". (ASTM 7.5.3)				N/A
4. Turning and parking spaces provided at a transfer point do not overlap. (ASTM 7.5.4)				N/A
5. Guardrails contain no designated play surfaces. (ASTM 7.5.5)				N/A
6. Guardrails are present on elevated surfaces > 20" when intended for 2-5, and > 30" when intended for 5-12. (ASTM 7.5.5.1; CPSC 5.1.3)				N/A
7. Guardrails surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.5.2; CPSC 5.1.3)				N/A
8. Top surface of guardrails min. 29" when intended for 2-5, and 38" when intended for 5-12. (ASTM 7.5.5.3; CPSC 5.1.3)				N/A
9. Lower edge of guardrails max. 23" when intended for 2-5, and 28" when intended for 5-12. (ASTM 7.5.5.4; CPSC 5.1.3)				N/A
10. Wheelchair accessible ramps requiring guardrails for either 2-5 or 5-12 year olds have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)				N/A
11. Wheelchair accessible ramps have 2" curb at both edges, unless guardrails and barriers don't extend to w/in 1" of ramp surface, or ramp has 2 rails and no barrier, or if barrier is beyond edge of ramp surface. (ASTM 7.5.5.6)				N/A
12. Barriers contain no designated surface and minimize climbing. (ASTM 7.5.6; CPSC 5.1.3)				N/A

Platforms, Landings, and Walkways (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Barriers provided on elevated surfaces > 30" when intended for 2-5, and > 48" when intended for 5-12. (ASTM 7.5.6.1)				N/A
14. Wheelchair accessible ramps that require barriers have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)				N/A
15. Barriers surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.6.3)				N/A
16. Top surface of barrier is 29" min. when intended for 2-5, and 38" max. when intended for 5-12. (ASTM 7.5.6.4)				N/A
17. Adjacent platforms w/ height difference > 12" when intended for 2-5 or > 18" when intended for 5-12 have an access component. (ASTM 7.5.7.1)				N/A
18. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))				N/A
19. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)				N/A
20. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)				N/A
21. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)				N/A
22. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)				N/A
23. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)				N/A

Platforms, Landings, and Walkways (continued)

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General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
24. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	?			N/A
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	?			N/A
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	?			N/A
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?			N/A

Reset Form

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Climbers

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Rungs used for hand gripping are .95 – 1.55" in diameter and do not twist or rotate. (ASTM 8.2.1; CPSC 5.2.2)	YES		5	
2. No climbing bars in interior of structure onto which a child may fall from H > 18". (CPSC 5.3.2.1.5)	YES		5	
3. Freestanding arch and flexible climbers are not recommended for 2-5. (CPSC 5.3.2.2, 5.3.3.3)		NO	2	freestanding arch structure present
4. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))		NO	3	Potential head entrapment with climbing structure
5. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		NO	2	sharp edges
6. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		NO	2	bolts protruding
7. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)		NO	3	excess threads exposed
8. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)		NO	3	attachment hooks not crimped properly
9. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	YES		5	
10. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	?	NO	3	
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	?			N/A
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	?	NO	3	paint chipping
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	3	no fall surface or containment border

Swings

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. All suspended elements are located away from other play structures and circulation areas; are not attached to composite structures. (ASTM 8.6.1)	YES		5	
2. Support structure discourages climbing and has no designated play surfaces. (ASTM 8.6.2)	YES		5	
3. Maximum (2) and/or (1) multiple occupancy or multi-axis suspended element per bay and are finished w/ blunt or rounded edges. (ASTM 6.2 and 8.6.4.4, and .5)	YES		5	
4. Hangers have bearings, bushings, or other means of reducing friction and wear. (ASTM 8.6.3)		NO	3	
5. Horizontal distance between adjacent suspended elements at rest is min. 24" when measured 60" above surfacing. (ASTM 8.6.5.1.2)	YES		5	
6. Horizontal distance between support structure & adjacent to-fro seat min. 30" measured 60" above surfacing. (ASTM 8.6.5.1.3)	YES		5	
7. Swing hangers are min. 20" apart, and spaced wider than suspended element. (ASTM 8.6.5.1.4)	YES		5	
8. Vertical distance between underside of suspended element and surfacing min. 12" and 24" for enclosed suspended elements. (ASTM 8.6.5.1.5)	YES		5	
9. All suspended elements must comply w/ laboratory test for max. impact. ($\leq 100\text{gs}/\leq 500\text{HIC}$) (ASTM 8.6.4.2)				N/A
10. (1) single-axis or multi-axis suspended element (per bay) and w/ limited lateral movement must maintain min. 30" clearance to support structure during use measured 24" from top of seat surface. (ASTM 8.6.5.1.3)	YES		5	
11. All parts of a suspended element $\leq 84"$ at its lowest point during use must meet impact requirements. ($\leq 100\text{g}/\leq 500\text{HIC}$) (ASTM 8.6.4.3)	YES		5	
12. Combination suspended elements must have a $> 30"$ clearance zone to support structure at rest or full range of motion of other suspended element through its dynamic range of motion during use. (ASTM 8.6.5.3.2)	YES		5	

Swings (continued)

General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
13. Multi-axis suspended elements have Y + 30" cylindrical, unobstructed clearance zone, where Y= vert. distance from pivot point to top of swing seat. Min. 12" from bottom of swing seat and surfacing. (ASTM 8.6.5.2)				N/A
14. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	YES		5	
15. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		NO	3	
16. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		NO	3	
17. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	YES		5	
18. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)		NO	3	
19. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	YES		5	
20. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	YES		5	
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	?			N/A
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	YES		5	
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	3	no fall surface or containment border

Specific Equipment Audit (SEA Form) For Equipment Not Covered By the Standard

Type of Equipment TIRE SWING

Specific Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments
1. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	YES		5	
2. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)		NO	2	sharp edge on cut tubing
3. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)		NO	2	nuts and bolts protruding
4. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	YES		5	
5. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)		NO	2	
6. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	YES		5	
7. Hardware/General Concerns				
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	?	NO	2	rusting, non-locking nuts
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	?	NO	2	tire could hold water
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	?	NO	2	paint chipping
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	?	NO	2	no fall surface or containment border



FIELD REPORT

Project: ~~Livingston Parks & Trails~~ PARK COUNTY - PARKS Field Report No.: 1
 Park name: GREEN ACRES PARK Project Ref.: ~~ALPARKS~~ PCMT - PARK
 Date: 07/09/14 Time: 1000 A.M. WEATHER: 75° F SUNNY/CLEAR TEMP. RANGE: 75-85° F

Site Conditions

- Parking
- Sidewalk/Trails
- ADA accessibility
- Boundary/perimeter
- Connectivity
- Drive surface

Yes	No	Comments/conditions/materials
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- GRAVEL LOTS ON SOUTH & EAST BOUNDARIES
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- GRAVEL LOTS AT GRADE. NO PATHS TO CIRCULATE THROUGH PARK. ONLY GRAVES AREAS
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- FENCING SURROUNDS ALL SIDES OF PARK.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- GREAT CONTEXT/CONNECTIVITY TO ADJACENT NEIGHBORHOODS
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- ASPHALT ROADS AROUND. GRAVEL PARKING.

Vegetation

- Plant material
- Natural features
- Groundcover
- Irrigation
- Riparian zones

<input checked="" type="checkbox"/>	<input type="checkbox"/>	- GREAT MATURE SHADE TREES / CONIFEROUS TREES
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- LANDSCAPE BERM
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- GRASS
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- APPLES PRESENT
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Recreation

- Play structures
- Play surfaces
- Athletic fields
- Additional rec opps

<input checked="" type="checkbox"/>	<input type="checkbox"/>	- FAIRLY MODERN PLAY EQUIPMENT (POOR FALL SURFACES)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- GRASS LAWN / CONCRETE BASKETBALL COURT / MULCH OR FALL SURFACE IF ANY (FAILING)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- HORSESHOE PIT
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- TEETER-TOTTER / SWINGS / SPINNER / ROCKING HORSE

Amenities

- Structures/shelters
- Restrooms
- Picnic areas
- Signage/wayfinding
- Storage
- Misc items

<input checked="" type="checkbox"/>	<input type="checkbox"/>	- PORTA Potty
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- NOT THAT I WAS AWARE OF
<input checked="" type="checkbox"/>	<input type="checkbox"/>	- PUMP HOUSE

Other comments:

SPOKE WITH FAMILY USING PARK. SAID PARK REMAINS FAIRLY ACTIVE.
 GROUP OF WOMEN PLAN PLAY DATES WITH KIDS ONCE A WEEK.
 ATHLETIC FIELD GETS USED FOR SOCCER / BASEBALL 2-3 TIMES A WEEK.



FIELD REPORT

Project: ~~Livingston Parks & Trails~~ **PARK COUNTY - PARKS** Field Report No.: **2**
 Park name: **SILVER GATE PARK** Project Ref.: ~~Livingston PCMT - PARK~~
 Date: **07/09/14** Time: **2:00 P.M.** WEATHER: **75° F** TEMP. RANGE:

	Yes	No	Comments/conditions/materials
Site Conditions			
Parking		X	POORLY DEFINED / TYPICALLY SCATTERED
Sidewalk/Trails		X	
ADA accessibility		X	
Boundary/perimeter		X	
Connectivity	X		
Drive surface		X	GRAVEL ACCESS ROADS ALONG WESTERN BOUNDARY
Vegetation			
Plant material	X		TWO LARGE CONIFEROUS TREES VOLCANIC ROCK GRASS LAWN
Natural features	X		
Groundcover	X		
Irrigation		X	
Riparian zones		X	
Recreation			
Play structures	X		DATED (NOT WELL MAINTAINED / INSPECTED) OLD BASKETBALL HOOP
Play surfaces		X	
Athletic fields		X	
Additional rec opps		X	
Amenities			
Structures/shelters		X	<u>COULD USE !!</u> <u>NEED !!</u> (CHERYL PAYS \$300/MO. FOR PORTA-LET) - TABLES (NO SHADE) <u>NEED !!</u> (PARK INFO HISTORY WILDLIFE WARNINGS) NEED TRASH CANS
Restrooms		X	
Picnic areas	X		
Signage/wayfinding		X	
Storage		X	
Misc items		X	

Other comments:

☛ SPOKE WITH DONNA (COOKE CITY CHAMBER) ABOUT PARK INFO. SHE SAID THE PARK DOES GET USED FOR EVENTS. WOULD BE NICE TO HAVE SHADE / RESTROOMS (VAULT) / UPDATED PLAY EQUIPMENT / GATHERING AREA. GET PEOPLE TO STOP IN SILVER GATE & STAY AWHILE.

☛ CHERYL (TRADING POST) QUIRK (GENERAL STORE)
 TOILETS | LAWNMOWER | SIGNAGE | PLAY EQUIPMENT | LOTS OF USERS | VOLUNTEERS MAINTAIN