

CFG Area	Number	Deficiency	Low Cost Solution	Medium Cost Solution	High Cost Solution
DOOLITTLE FOUNTAIN	1	Waterfall by Doolittle Fountain is clogged and not running	Complete routine maintenance (remove debris as observed, replace filters per manufacturer recommendation)	Convert to planter OR replace filtration system and add manual/auto fill device	Remove waterfall all together and repurpose space
	2	Water in Doolittle Fountain is not clean/clogs/water too high	Complete routine maintenance of pump leaving fountain (remove debris as observed, yearly draining and cleaning of fountain, yearly winterizing of pump system)		
	3	Various pedestrian walkways are not ADA compliant from vertical surface discontinuity standpoint		Replace non-compliant areas like the flagstone pavers or large cracks with poured concrete sidewalk meeting ADA AND relocate flagstone slabs outside of dedicated ADA path	
	4	Existing drip irrigation not working properly so have to hand water landscaping	Spot check and fix specific irrigation issues		Redesign and replace entire irrigation system
	5	Landscape overhangs pathways, reducing pedestrian width around pond	Trim back landscaping to provide minimum 4-ft wide pedestrian pathways AND implement periodic pruning/maintenance plan for landscaping	Replace plants with those that maintain size/shape without the need for ongoing pruning.	
	6	Various pedestrian walkways are not ADA compliant from a slope/width standpoint		Replace areas with poured concrete sidewalk meeting ADA compliant slopes/widths	
RABBIT HOLE	1	Lighting is not sufficient/adequate	Repair leaks from Fallen Log that get to back of fixtures so that lights don't short out	Add wall lights or replace existing fixtures	
	2	Drainage inlets are clogged and not functioning	Complete routine maintenance (clean out debris/sediment buildup at inlet grates as observed; yearly inspection of infrastructure before wet season to ensure proper drainage of inlets and underground piping)	Televis storm drain line and rod/vaccum out any clogged piping; repair any damaged piping	Regrade paving area and add additional inlets/area drains as needed to connect into overall system OR redesign storm drain system and outfall to have greater positive drainage
	3	Various pedestrian walkways are not ADA compliant from vertical surface discontinuity standpoint	Replace with crusher fines at ADA compliant slope/widths; put pavers/animal footprints on side of dedicated ADA path	Replace non-compliant areas like the animal footprints or large cracks with poured concrete sidewalk meeting ADA AND relocate footprints outside of dedicated ADA path	
	4	Some landscape areas are too steep and irrigation water runs off onto sidewalk	Regrade landscape areas as needed to retain runoff	create seatwalls to level portions of landscape area	
	5	Various pedestrian walkways are not ADA compliant from a slope/width standpoint		Replace areas with poured concrete sidewalk meeting ADA compliant slopes/widths	
WATERING CAN COURTYARD	1	Watering Can Fountain not outputting well		Redo plumbing of watering can, replace mechanics of pump/spray system with more outlets but smaller holes	
	2	Drainage inlets are clogged and not functioning	Complete routine maintenance (clean out debris/sediment buildup at inlet grates as observed; yearly inspection of infrastructure before wet season to ensure proper drainage of inlets and underground piping)	Televis storm drain line and rod/vaccum out any clogged piping; repair any damaged piping	Regrade paving area and add additional inlets/area drains as needed to connect into overall system OR redesign storm drain system and outfall to have greater positive drainage
	3	Existing drip irrigation not working properly so have to hand water landscaping	Spot check and fix specific irrigation issues		Redesign and replace entire irrigation system
	4	Watering Can catch basin area hard to maintain		Reconfigure access to be simple cover and lock system and make sure it's out of public area	
	5	Some surfaces on certain exhibits are too hot for public	Add warning signage of hot surfaces like the water can structure	Apply specialized reflective paint to reduce heat	

LABYRINTH	1	Various critter holes are present in the Labyrinth structure where planting pockets were previously located	Plug them up with fill and seal top; abandon and cap existing irrigation lines		Replace labyrinth all together
	2	Drainage inlets are clogged and not functioning	Complete routine maintenance (clean out debris/sediment buildup at inlet grates as observed; yearly inspection of infrastructure before wet season to ensure proper drainage of inlets and underground piping)	Televise storm drain line and rod/vaccum out any clogged piping; repair any damaged piping	Regrade paving area and add additional inlets/area drains as needed to connect into overall system OR redesign storm drain system and outfall to have greater positive drainage
	3	Various pedestrian walkways are not ADA compliant from vertical surface discontinuity standpoint		Replace non-compliant areas like the large vertical discontinuity or large cracks with poured concrete sidewalk to be ADA compliant	
	4	Not all pathways can meet ADA compliance	Add signage at beginning of path indicating the exhibit area does not provide an ADA accesible path		Replace labyrinth all together
	5	Various pedestrian walkways are not ADA compliant from a slope/width standpoint		Replace areas with poured concrete sidewalk meeting ADA compliant slopes/widths	
ANT AREA	1	Lighting is not sufficient and easily vandalized	Replace pedestian lights with type that are not easily vandalized (taller, more durable fixtures)	Replace pedestrian lights with more themed/decorative fixtures (ie large flowers)	
	2	Ant and worm structures look worn and are partially damaged	Repaint the 5 or 6 ants that seem worn	Fix and repair some of the worm structures	
	3	Exising drip irrigation not working properly so have to hand water landscaping	Spot check and fix specific irrigation issues		Redesign and replace entire irrigation system
	4	Various pedestrian walkways are not ADA compliant from a slope/width standpoint		Replace areas with poured concrete sidewalk meeting ADA compliant slopes/widths	
	5	Some surfaces on certain exhibits are too hot for public	Add warning signage of hot surfaces like the ants structure	Apply specialized reflective paint to reduce heat	
ACORN FOREST	1	Slide not fully inclusive		Add ramp next to stairs for stroller access	Replace slide all together with one that allows for side-by-side use
	2	There is a lack of interactive exhibits		Add thunder drums and other interactive, but muted instruments; add teepee-type open-sided A-frame structures	
	3	Exising drip irrigation not working properly so have to hand water landscaping	Spot check and fix specific irrigation issues		Redesign and replace entire irrigation system
	4	Not all pathways can meet ADA compliance	Add signage at beginning of path indicating the exhibit area does not provide an ADA accesible path	Reconfigure pedestrian pathway to provide ADA compliant pathways, ramps and turn around	
	5	Various pedestrian walkways are not ADA compliant from vertical surface discontinuity standpoint		Replace non-compliant areas like those with large vertical separation or large cracks with poured concrete sidewalk to be ADA compliant	
PUMPKIN	1	Pumpkin aesthetics not great and mold found in some places	Repaint pumpkin structure	Add interactive ditigal/projection; replace areas impacted by mold	Replace pumpkin all together
	2	Drainage inlets are clogged and not functioning	Complete routine maintenance (clean out debris/sediment buildup at inlet grates as observed; yearly inspection of infrastructure before wet season to ensure proper drainage of inlets and underground piping)	Televise storm drain line and rod/vaccum out any clogged piping; repair any damaged piping	Regrade paving area and add additional inlets/area drains as needed to connect into overall system OR redesign storm drain system and outfall to have greater positive drainage
	3	Drainage on top of Pumpkin eroding perimeter landscaping and falling onto sidewalk areas	Harden landscape areas with cobble around the edges		
	4	Lighting is not sufficient/adequate		Add interior decorative/themed lighting	
BAMBOO MAZE	1	Concrete paving is not conducive to utility maintenance because of bamboo root issues	Replace with crusher fines at ADA compliant slope/widths		
	2	Lighting is not sufficient/adequate		Add uplighting to landscape areas, or moonlight space with overhead lighting	
	3	Various pedestrian walkways are not ADA compliant from a slope/width standpoint		Replace areas with poured concrete sidewalk meeting ADA compliant slopes/widths	
	4	Exising drip irrigation not working properly so have to hand water landscaping	Spot check and fix specific irrigation issues		Redesign and replace entire irrigation system

CARROT PATCH	1	Carrot Patch aesthetics not great	Add fake plantings to top of carrots as fronds that are fabricated out of metal or fiberglass	Add live plantings to top of carrot as fronds; Add uplighting at each carrot, or use LED string lights to mimic fronds at the top of each carrot	
	2	Drainage inlets are clogged and not functioning	Complete routine maintenance (clean out debris/sediment buildup at inlet grates as observed; yearly inspection of infrastructure before wet season to ensure proper drainage of inlets and underground piping)	Televise storm drain line and rod/vaccum out any clogged piping; repair any damaged piping	Regrade paving area and add additional inlets/area drains as needed to connect into overall system OR redesign storm drain system and outfall to have greater positive drainage
	3	There is a lack of interactive exhibits	Add raised beds, worm bins, and compost station		
	4	Various pedestrian walkways are not ADA compliant from a slope/width standpoint		Replace areas with poured concrete sidewalk meeting ADA compliant slopes/widths	
	5	Exising drip irrigation not working properly so have to hand water landscaping	Spot check and fix specific irrigation issues		Redesign and replace entire irrigation system
	6	Not all pathways can meet ADA compliance	Add signage at portion of path indicating the exhibit area does not provide an ADA accesible path	Reconfigure pedestrian pathway to provide ADA compliant pathways, ramps and turn around	
FALLEN LOG	1	Maintenance room is not code compliant as electrical room	Relocate additional supplies away from electrical equipment	Repair leaks to wall/ceiling; add proper ventilation to minimize mold	Create separate electrical room in another location and use old space just for storage.
	2	Crawl-through eggs in Fallen Log aesthetics not great	Repair and repaint eggs structure; provide fencing around edge		Redesign to minimize animal nesting
	3	Fallen Log has racoon infestation	Hire exterminator to trap and remove racoons	Add flowable fill to all internal holes	Remove just top portion and keep open to sky; install drainage system for positive flow away from exhibit
	4	Not all pathways can meet ADA compliance	Add signage at beginning of path indicating the exhibit area does not provide an ADA accesible path	Reconfigure pedestrian pathway to provide ADA compliant pathways, ramps and turn around	
CASTLE COURTYARD	1	Paving in courtyard is slippery when wet and cracks easily	Replace with combination of alternative materials such as crusher fines, permeable pavers, colored/textured concrete, etc.	Regrade courtyard to slope surface to tree pits	Add storm inlets and drainage piping to courtyard and connect to existing underground piping system
	2	Preserve/update donor bricks		Relocate to non ADA pathway or add all to a non-ground location like a wall for easy replacement in the future	
	3	Exising drip irrigation not working properly so have to hand water landscaping	Spot check and fix specific irrigation issues		Redesign and replace entire irrigation system
	4	Castle Courtyard Sandbox Tower aesthetics not great	Replace sand with mosiac pavers	Add interactive exhibit inside Sandbox	
	5	There is a lack of interest and interactive exhibits within the space		Replace old landscaping and add new landscaping to under utilized areas	Redesign space to add raised planters to old sod area, create central gathering space for camps and storytime/education activities
DRAGON	1	Dragon mister not working	Periodic maintainance to limit calcification build up	Replumb plumbing, replace misters with low-output misters, replace with motion sensor misters	
	2	Dragon aesthetics not great	Patch damaged areas, texture and re-color		Replace Dragon all together
	3	Exising drip irrigation not working properly so have to hand water landscaping	Spot check and fix specific irrigation issues		Redesign and replace entire irrigation system
	4	Exterior moat doesn't function well	Complete routine maintenance of pump leaving moat (remove debris as observed, replace filters/screen per manufacturer's recommendation, yearly winterizing of pump system)	Relocate pump to location where periodic maintenance will be easier	
	5	Waterfall by Dragon leaking into education building		Add waterproof seal to education building and replumb waterfall mechanics	
	6	Landscape overhangs pathways, reducing pedestrian width	Trim back landscaping to provide minimum 4-ft wide pedestrian pathways AND implement periodic pruning/maintenance plan for landscaping	Replace plants with those that maintain size/shape without the need for ongoing pruning.	