

Hamburg Township
Parks and Recreation Committee
10405 Merrill Road
Hamburg, Michigan 48139

RE: 2024 Hamburg Township Playground Inspection

On Thursday, October 3rd, 2024, the playground in East Manly Bennett Park was inspected by Duane Hoepfner, CPSI from Hamburg Township. He was accompanied by Wayne Wiitanen, CPSI from Michigan Recreational Construction Inc. A summary of each piece of equipment inspected in East Manly Bennett Park is included in this report. Manly Bennett Park East was found to be compliant with current safety standards with exceptions as outlined below. Current safety standards for playgrounds for public use are ASTM F1487 and the Consumer Product Safety Commission's (CPSC) Handbook for Public Playground Safety.

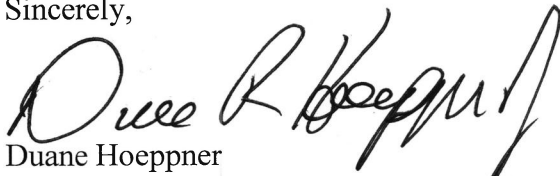
Manly Bennett Park west has a number of non-compliance items and is scheduled to be taken down in December, 2024. The equipment is at least 20 years old. A few pieces were replaced approximately 12 years ago but they have fallen into non-compliance. Signage and safety tape should be placed around the equipment to deter the public from use until demolition is complete.

Non-Compliance Items East Manly Bennett Park:

1. Signage/Labels
 - a. Add age appropriate signs/labels that have been peeled or worn off. Game Time has been contacted to issue more labels.
2. Surfacing Material
 - a. Safety surfacing material is insufficient for critical fall height of equipment. Recommend 2-3 inches of surfacing material to be added in the spring of 2025 to be compliant.
3. HIC (Head Injury Criterion)
 - a. Hamburg Township will need to hire outside contractor to administer an impact attenuation test for the surfacing material and obtain records from manufacturer for testing results of g-max threshold.

Please feel free to contact me directly at (517)499-6454 with any questions that you may have.

Sincerely,



Duane Hoepfner
Buildings and Grounds Superintendent/Cemetery Administrator
CPSI, 59854-127

1. Discover Cave with rock grips

The shake test was completed and the dome is heled securely in the ground with no movement present. The climbing grips are fixed securely to the dome. The bolts are fastened tightly and are free of rust and debris. On the north east wall where the bottom edge meets the surface material, a gap is present due to children attempting to tunnel underneath the wall. More surface material is needed inside the dome and along the north east wall. The Game Time "Ages 2-5" label is partially peeled off. Need to attach a new one onto the cave.

2. Vista Tree Top Net Spinner and Climber

The tree spinner was solid without movement when the shake test was applied to the outer post. The nylon (weavetech) roping was intact. There was zero evidence of fraying on the roping. The cast aluminum connectors were in place and appeared to be solid when shook and pulled on. No pinch points were present and the connectors were free from entanglement hazards. The floor decking is attached to a flange assembly to the outer post with an outer tubular ring section. The nylon roping is anchored to the tubular ring sections of the floor decking and at the top to the post cap/flange assembly. All being anchored securely and free of entanglement hazards. The surfacing around the spinner is at the appropriate depth.

3. Infinity Bowl Spinner

Took hold of the bowl on the Infinity Spinner and shook it back and forth and it felt secure in the ground. One of the bolts (Pin-in button head cap screw) on the ground anchor shaft was loose causing the bowl to wobble back and forth. Took a repair tool from Inspector Wiitanen and added Loc-Tite to the bolt and secured it tightly to the frame. Attempted to repeat the wobble motion but it was not present. Spun the bowl in both directions and it was smooth and quiet. The metal was free of rust and the paint was in good condition and there was no evidence of flaking or chipping of paint.

4. 3 Bay Swings

a. ADA Primetime Swing Bay 1

- i. The two belt swings in bay one were in good condition. No fraying of the seat material or discoloration was evident at the time of the inspection. All rivets were secured and the rivet heads were rounded keeping them free of entanglement hazards. The chains are fully covered with rubber coating and are intact. Swing hangers are solid and free of rust and corrosion. The belts hang 12" to the playing surface. Pivot points are free of rust or

excessive wear. The distance between belt swings meets the 24” minimum standard and the distance from the swing chain to the frame meets the 30” minimum distance. The protective surfacing under the swings has been raked back in order to maintain the 12” minimum. The swing frame itself is secure- no visible anchors protruding from the ground through the playing surface.

b. ADA Primetime Swing Bay 2

- i. The full enclosed tot bucket seat swing is free of protrusion or entanglement hazards. The bottom of the bucket where a child’s legs slide through are smooth and does not show evidence of fraying or excessive wear. The clevis connecting the bucket to the chain is secure. The bolts are rounded as well as the seat rivets making it free from entanglement hazards. The chains are smooth and free of rust or excessive wear. The pivot points are secure and free of rust. The Zero-G Swing Chair (ages 5-12) is securely fastened to the swing chains. The chains are connected to the swing hangers across the top rail by clevises. The clevises have button head cap screws that are tight. The clevises are secured to the hangers by hex head bolts which are tight. The pivot points of the clevises on the hangers are free from excessive wear. No rust is present at the time of the inspection.

c. ADA Add a bay frame Bay 3

- i. The Expression Parent/Toddler/Child (Expression Swing) hangs alone in Bay 3. The face to face design allows for an adult to be seated with a toddler/child. The bucket seat (enclosed tot seat) for the child is attached securely to the metal frame of the swing. The swing hangers are bolted securely to the cross bar of the frame. The threaded bolts are secured tightly and are free of rust or excessive wear. The rivets holding the bucket to the swing frame are rounded, smooth, and free of any entanglement hazards. The clasps holding the bucket to the metal frame are anchored securely and are free from rust and wear and free of entanglements. The metal frame is secured on the superior aspect of the frame by 4 clevises to the swing chain by security bolts. The adult seat is plastic and is smooth and free of debris. The seat assembly is attached to the frame by two swing castings that have P.B.H.C.S. bolts with lock washers, flat washers going into a barrel nut. Loctite was applied during installation to ensure a secure fit. At the top of the frame, the chains are anchored to the cross beam of the bay frame by two large clevises with it being anchored by a large clamp. All are free from rust or excessive wear as the paint is still intact. The chains are smooth, rounded and do not appear to have any visible stress wear on the linkages. The clearance from the swing chains and metal frame meets the standards. The use zone

around the swing bay is free from obstacles and debris. In the spring of 2025, additional surfacing material will need to be added to the play area.

5. Game Time Adirondack Trail Structure

- a. Inspected the area around the play structure and it was free from debris or obstacles. Performed a shake test on all the platforms, rails, slides and steps. No rattling sounds were present. These items presented as secure. Inspected fasteners on each section of the play structure and they were secure and threaded properly so not to create an entanglement hazard. The seamless double zip slide is free of debris and entanglement hazards. The entry zone onto the slide has a smooth transition and is free of pinch point hazards. The exit area of each chute is free of debris but needs to have some additional surfacing material raked back to the dismount area which was completed by B&Gs staff. The Zip Swerve Slide Left is anchored securely to the platform and anchored well into the ground. The entry to the slide chute has a smooth transition from the platform and is free of entanglement hazards. The plank climber leading up to the slide platform is anchored well with pin-in button head screws with no threads being exposed. The Rung Enclosure (timbers) offers fall protection from the serve slide platform. The spacing of the timbers prevents head entrapment hazards. Entanglement hazards from the screws anchoring the timbers to the frame are absent. The slant roof timbers offering shade over the double slide and lower platform are secured tightly to 4 posts. No entrapment or entanglement hazards are observed.