

Willow Park Playground Rebuild

UPDATING SAFETY, ACCESSIBILITY,
MAINTENANCE & FUN



Rebuilding the Magic!

- It's with great appreciation and understanding that the current playgrounds at Willow Park have a far-reaching reputation as a cherished attraction, the community would like to rebuild it the have the same "magic" as the classic original. Our approach is to keep the playground's original footprint the same, re-allocating space for ADA compliance, innovative components, and increased ease-of-flow. Our goal is to preserve the historic sentiment by incorporating the original engraved brick entrance into the new design. We would keep the engraved bricks in place and make it the new focal point of entrance to the new play space.





Designing for Longevity

Improving Short- & Long-Term Maintenance

- The new Willow Park Playground will feature updated materials that will provide a more manageable maintenance routine allowing for a more enjoyable experience of play throughout the lifespan of the play structure.

STEEL

Steel tubing shall be galvanized cold formed tubing with a welded seam. Tubing shall be triple coated with a uniform in-line **Flo-Coat®** galvanizing process for maximum protection outdoors. Coating shall be a zinc galvanized coating followed by a **chromate conversion coating** and finished with Burke's premium **two-part powder coat system**. Interior of steel tubing shall be coated with a corrosion resistant, zinc rich coating as well. Posts shall be made from Burke's standard tubing sizes: 5" OD X 11 GA, 7 GA and 3 ½" OD x 11 GA **steel tubing**.

ROTATIONALLY MOLDED POLYETHYLENE

Parts shall be rotationally molded from color compounded, linear low-density polyethylene (LLDPE). The cross-sectional wall thickness shall be an average of 0.25 inches on all textured and non-sliding surfaces. Parts to be double wall construction and **UV stabilized to UV-20**.

- Color Compounded
- Density: 0.935 [g/cm³] per ASTM D792
- Melt Mass-Flow Rate 7.0 [g/10 min] per ASTM D1238
- Tensile Strength: 2840 [psi] per ASTM D638
- Flexural Modulus 93000 [psi] per ASTM D790B
- **UV Stabilization: UV 20 additive**
- **Fire Retardancy: UL94HB Compliant**
- Impact: 60 [ft/lb] ARM Method -40 °C
- **Melting Temperature 258°F**

Improved Play Equipment & Play Value



- The play components designed into the original wooden playground were very innovative and creative at the time it was built. As time progressed, safety guidelines and standards were implemented in addition to ADA guidelines. Unfortunately, over time the play equipment has either lost its life from use or became a safety hazard. The playground in its current condition only features a handful of play pieces that are no longer appropriate for public play. The new playground will not only feature new and safe, IPEMA certified play components but will also provide accessible and inclusive play opportunities.

Inclusive vs. Accessible



- Playgrounds that comply with standards addressing routes, surfacing, ramps and ground-level activities are considered accessible. While most playgrounds are accessible, not all are inclusive. Our playground experts are impassioned to incorporate play events designed to address the **emotional, social and physical needs** of every child by building playgrounds that are both accessible and inclusive.

What is Inclusive Play?

- Including and enriching all children in inclusive play is primarily about all children having **equal access to participate in play** at the local playground **regardless of ability, age or comfort-level**. While children won't always be able to participate in every activity, the goal is to offer all children a variety of activities at varying levels of difficulty in the same space.





Play Equity

Variety of Play

- It is important include a variety of **challenging** and **relaxing play** events that so children and their caregivers with different skill levels can play. All the proposed design will include a variety of climbers, slides, interactive panels and sensory accessories to allow children with all abilities, such as Autism, Down Syndrome and the visual or hearing impaired to **all play together** in the same space. It is also important to include a transfer station and variety of ground-level activities like activity panels and merry-go-grounds to include those with accessibility challenges.





Enhancing Play Value



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Improving Line of Sight

- The current wooden playground features 2x4 balusters and barriers causing difficulties to look across the play space. The new design will include narrow, round pipe balusters for strong visibility. Enhancing the line of sight will not only create a more open design but will allow parents and caregivers to better watch children play throughout the structure and across the play space.



Safety Surfaces

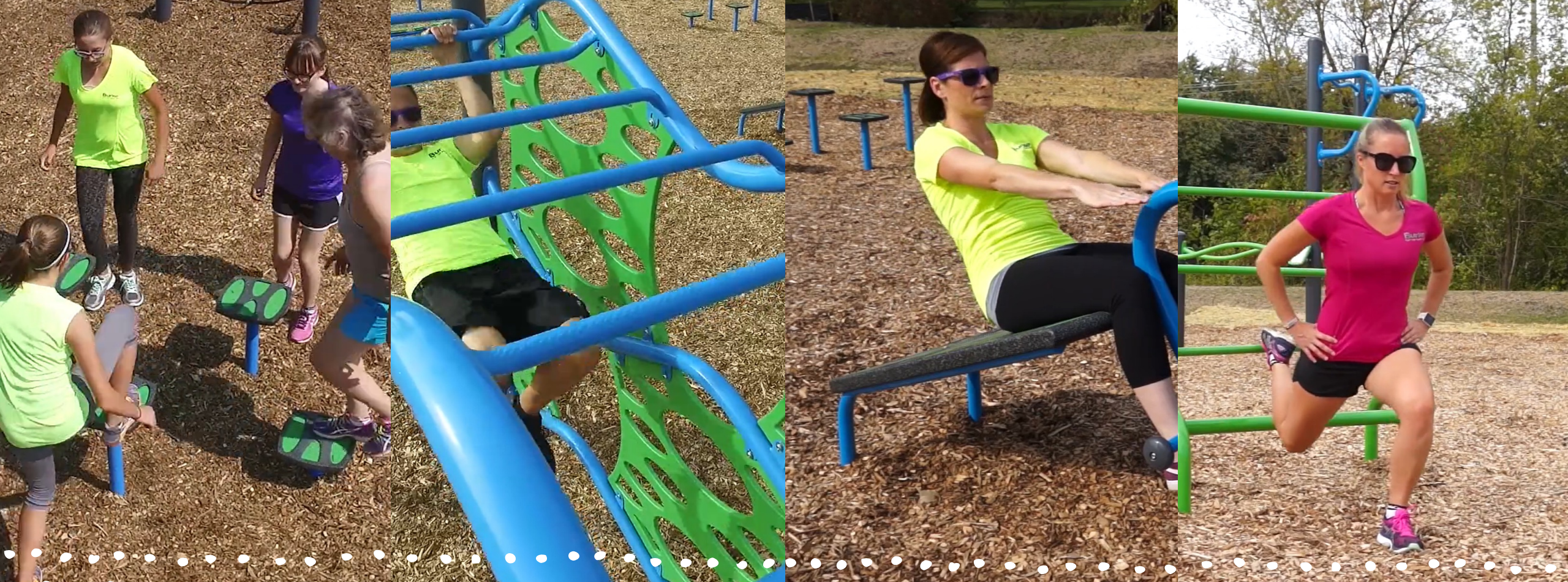
- The current playground has engineered wood fiber which is an affordable ADA surfacing material. The new playground will feature pour-in-place rubber surfacing pathways that will create an accessible pathway to the transfer station, accessible & inclusive equipment, ends of slides, and swings. This will allow a child using a mobility device to navigate the play space easier and more freely. The PIP pathways will be easier to maintain for park staff members. The colored pathways provide a nice visual aesthetic in addition to creating a distinct walkway for those who are visually impaired.



PIP Pathways

Multigenerational Space

- With great respect for those who helped create the original playground, our project approach begins with the understanding that we need to rebuild the playground with a new design that's similar in size and play value while incorporating new elements to the space to enhance ADA and inclusivity, in addition to adding in an exercise area to make the new Willow Park a multigenerational space.
- The new play space will include 6 exercise stations for adults and teens to use while fellow family members and friends play on the playgrounds.



Fitness

Design Collaboration with the Community

- Creating a playground becomes a partnership through the design process that allows collaboration and understanding of each element so a thoughtful multigenerational space can be achieved. Maintaining integrity of the original playground and the value it holds to the public is our goal by presenting to you three playground designs that we feel hold the same if not more play value than the original playground. The three playground designs not only create challenging, exciting, and innovated play but provides inclusive and accessible pieces that have been missing from the old playground. We look forward to your hearing your feedback to create a new park that's reflective of the current community's needs and desires.



Q&A