



Staff Report

Subject: North Pointe Kiddie Pool Resurfacing

Department/Program: Parks and Recreation/ Aquatic Center

Explanation:

The surface of the kiddie pool surfacing at the aquatic center has been a problem for many years. The paint chips up leaving sharp edges which results in numerous injuries each year. Additionally the surface appears to be in disrepair regardless of the maintenance that is performed by staff. Each year, in an attempt to repair the surface, staff scrape and prepare the surface for new paint sometimes as a touch up and other times a complete repaint of the pool's surface. Unfortunately, not long after the pool opens for the season new chips and cracks form. It is unclear why this continues to happen but we suspect it is an issue with the base layers of paint that have been coating the pool surface for years.

After some research we have found that a system called thermoplastic surface coating may be the solution. The system uses thermoplastic beads made from acrylic resins that are applied pneumatically using air and propane. The beads are sprayed through a patented applicator, melting and liquefying as they pass through the nozzle, and then solidify as they hit the surface. The result is a seamless, durable finish that is resistant to chemicals, UV rays, rusting, fading and corrosion. The finish will be non-porous, and chip resistant with a high elastic memory. This coating should last ten years. Currently The City budgets to repaint the pool every two seasons.

Recommendation:

I recommend awarding a contract to AAD Eco Cleaning and Restoration LLC for existing coating removal down to bare concrete and application of the thermoplastic surface coating. Total cost is \$29,757. The City has budgeted \$30,000 in its 2024 operating budget for this service. We were unable to bid this out as AAD Eco Cleaning and Restoration LLC is the only company in St. Louis that is licensed by the manufacturer (U-Coat Technologies) to perform this service.

Submitted By: Chris Conway, CPRP, Director of Parks and Recreation

Date: January 22, 2024