

**A
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March 03, 2023

City of Ocala
Attn: Ms. Carla Chindamo, Aquatics Supervisor
828 NE 8th Ave.
Ocala, FL 34470

Re: **2023** Inspection of the *Jervey Gantt* and the *Hampton Aquatic* Water Facilities

Dear Ms. Chindamo:

On Thursday, March 02, 2023, I completed my annual inspection of the main water slides at the *Jervey Gantt* and *Hampton Aquatic* facilities for the City of Ocala, FL, as required by the *State of Florida Bureau of Fair Rides* in regard to the maintenance and condition of the facilities.

My emphasis was on the general maintenance and condition of the equipment as opposed to the operation of it. The following are my recommendations based on this annual inspection:

Hampton Aquatic Water Facilities:

1. Corrosion was found on the mast foundation hardware (Figures 1 - 3). Recommend removing corrosion from these areas, and afterwards replace the nuts and washers with original manufactured specified hardware.
2. Corrosion was found on a portion of the stairs and platform substructure (Figure 4). Recommend removing corrosion from these areas and applying protective coating to prevent further corrosion.
3. A cracked slide support bracket was found located at the very end of the slide (Figures 5 - 7). This bracket must be repaired or replaced before using the slide.

Jervey Gantt Waterpark:

Overall, the steel slide structure is at the end of its useful life span. Numerous structural members are severely corroded with significant section loss that needs to be addressed either with repairs or replacement before using. The entire steel structure shall be refurbished first by removing all corrosion by use of sandblasting or other means to reveal the true extent of deterioration before use. Any steel section with section loss (holes, missing pieces etc.) will need to be repaired or replaced. Then a protective coating needs to be applied to protect from future corrosion.

It is ADP's professional opinion that the maintenance will continue to increase with age, and the repair or replacement of structural members will be necessary.

Corrosion was found on the mast foundation hardware (Figures 8 - 10). Recommend removing the corrosion from these areas, then afterwards replace the nuts and washers with original manufactured specified hardware.

Significant corrosion was found on the handrail uprights (Figure 11). These uprights need to be repaired or replaced before using the slide.

Areas of the concrete foundation are cracking (Figure 12). The cracking is caused by expansion of the steel base plate due to corrosion. The cracking is not significant to warrant foundation concerns, but the corrosion of the baseplate should be removed and protected to prevent further corrosion. The cracking can lead to pathways for moisture to enter further inside the concrete foundations and eventually cause the reinforcing steel to also corrode leading to more significant issues.

Several structural members supporting the top platform have significant corrosion and material loss (Figures 13 - 15). The central I beam has material loss on both the top and bottom flanges and needs to be repaired or replaced before use. There are also two steel angle members (Figures 14 & 15) that support the floor showing significant corrosion and material loss. These members need to be repaired or replaced before use.

Corrosion was found on the slide mast and slide support mast arms (Figures 16 - 18). Recommend removing corrosion from these areas and applying protective coating to prevent further corrosion.

Corrosion was found on an angled section of the substructure supporting the stairs (Figures 19 & 20). The corrosion here is significant and needs to be investigated. After the corrosion is completely removed to see the extent of material loss, it can then be determined if repair or replacement is needed.

There is indication that maintenance is on-going at both facilities, but there are immediate concerns in red that shall be addressed before use. Items in red above need to be addressed immediately before use.

Feel free to confer with me should you have any questions or need clarification on any aspect of these photos and comments.

Best Regards,

Gregory (Stretch) Hurd, PE
NAARSO I Inspector
ACCT Level 1 Professional Inspector



Figure 1



Figure 2

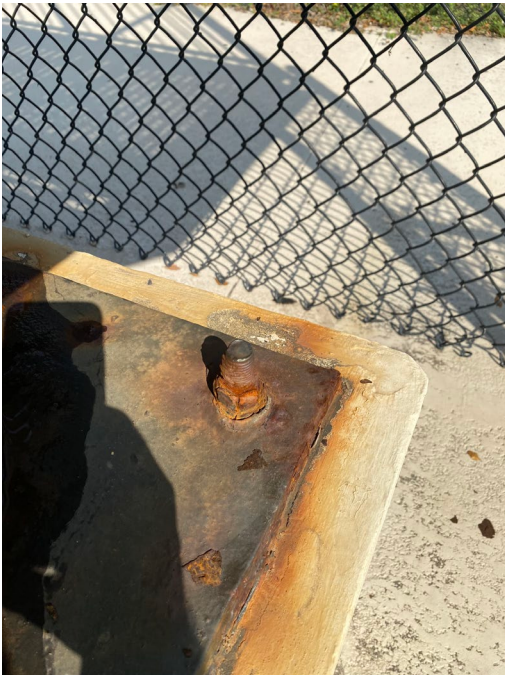


Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8



Figure 9



Figure 10



Figure 11



Figure 12

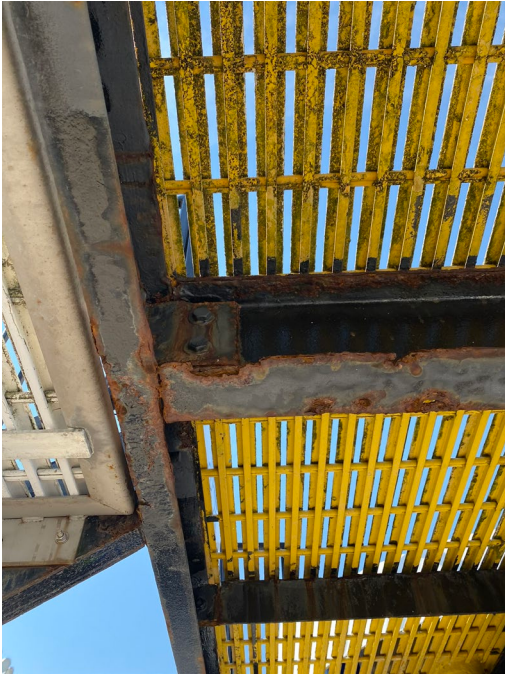


Figure 13

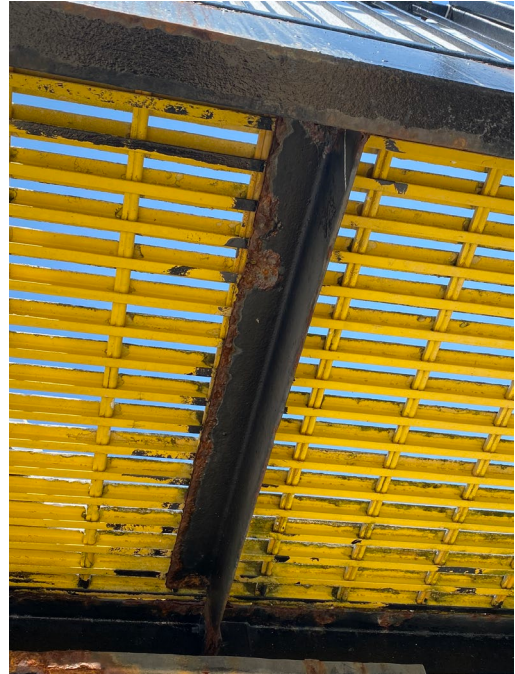


Figure 14



Figure 15



Figure 16



Figure 17



Figure 18



Figure 19



Figure 20