Addison Circle Park Interactive Display Fountain

December 12, 2017

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1

History

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In December of 2015, Parks staff noticed the automated fill valve for the interactive display fountains was constantly running but the water level in the receiving basin remained extremely low.

In response:
- Staff began to troubleshoot and identify potential problems associated with the loss of water.
- Staff brought in the fountain maintenance contractor and the original fountain installer to help troubleshoot the issues.

2

What are the issues?

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2 of the 3 receiving basins do not hold water because of separated joints and cracks.
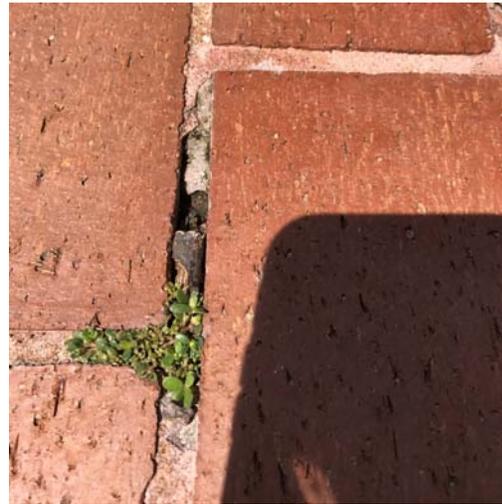

3

What are the issues?

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Missing grout in the plaza contributes to water loss.

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What are the issues?

There are multiple breaks in the underground piping.

Additional issues to be addressed.

Limestone bands are cracked and spalling which cause ADA and safety concerns.
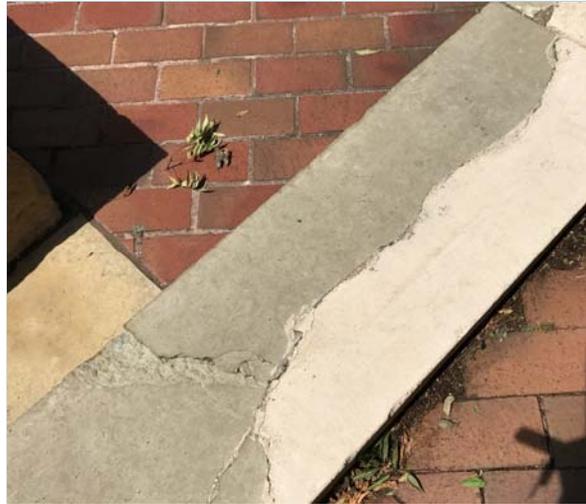
Additional issues to be addressed.

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Limestone blocks are cracked and spalling, causing aesthetic concerns.

7

Additional issues to be addressed.

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Lights have settled and some are unfunctional causing ADA and safety concerns.

8

POSSIBLE SOLUTIONS

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OPTION 1
REMOVE THE FOUNTAIN.

- Replace fountain basin with steps.
- Improve function of plaza during events.
- Remove fountain heads and lights and re-pave plaza.
- Relocate limestone blocks to not interfere with pedestrian paths.

OPTION 2
REPAIR AND MODERNIZE THE FOUNTAIN TO SIMILAR CONDITIONS.

- Repair damaged fountain lines.
- Install fountain sprays with integrated color RGB LED lights.
- Relocate limestone block to not interfere with pedestrian paths.
- Re-pave plaza in the fountain area with colored acid etched concrete to match paver color.
- Zone sprays so that a portion of the fountain can be deactivated during events.
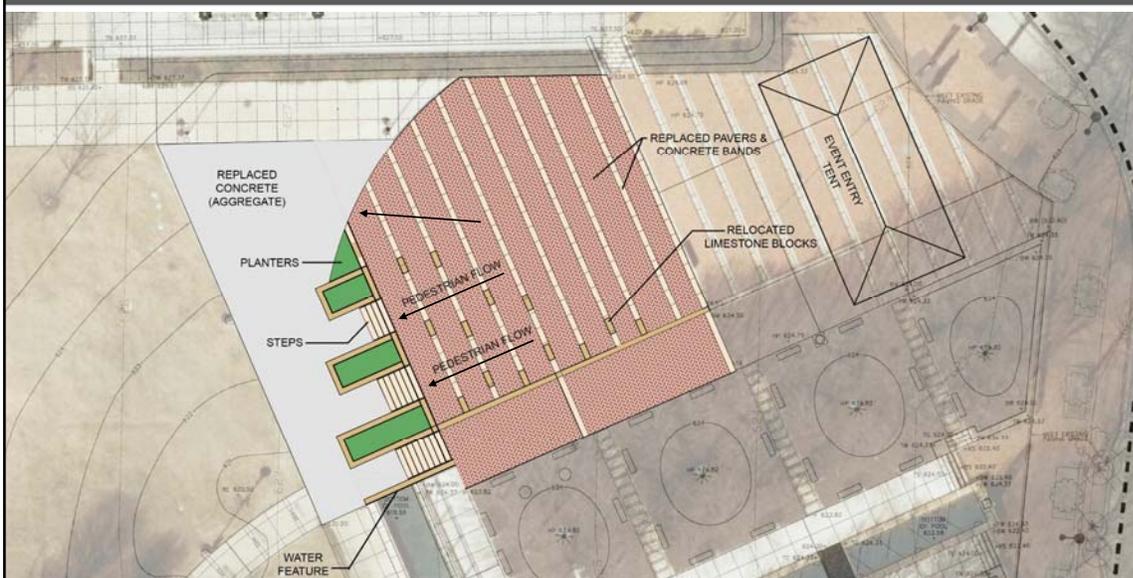
OPTION 3
CROWD CONTROLLED FOUNTAIN

- Replace fountain with an interactive Water Gush technology fountain that has smartphone crowd control features.
- Install fountain sprays with integrated color changing LED lights that have smartphone crowd control features.
- Re-pave plaza in the fountain area with colored acid etched concrete to match paver color.
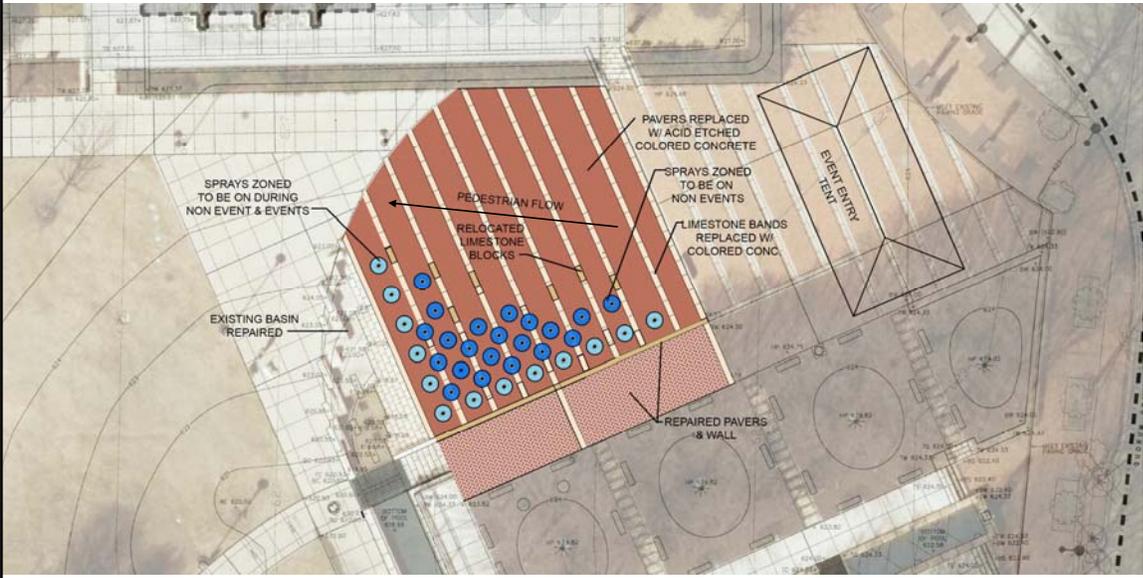- Relocate sprays so fountain will not conflict with events.

9

OPTION 1 – REMOVAL OF THE FOUNTAIN

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10

OPTION 2 – REPAIR AND MODERNIZE FOUNTAIN

MODERNIZED FOUNTAINS AND LED LIGHTS

6

OPTION 3 – CROWD CONTROLLED FOUNTAIN
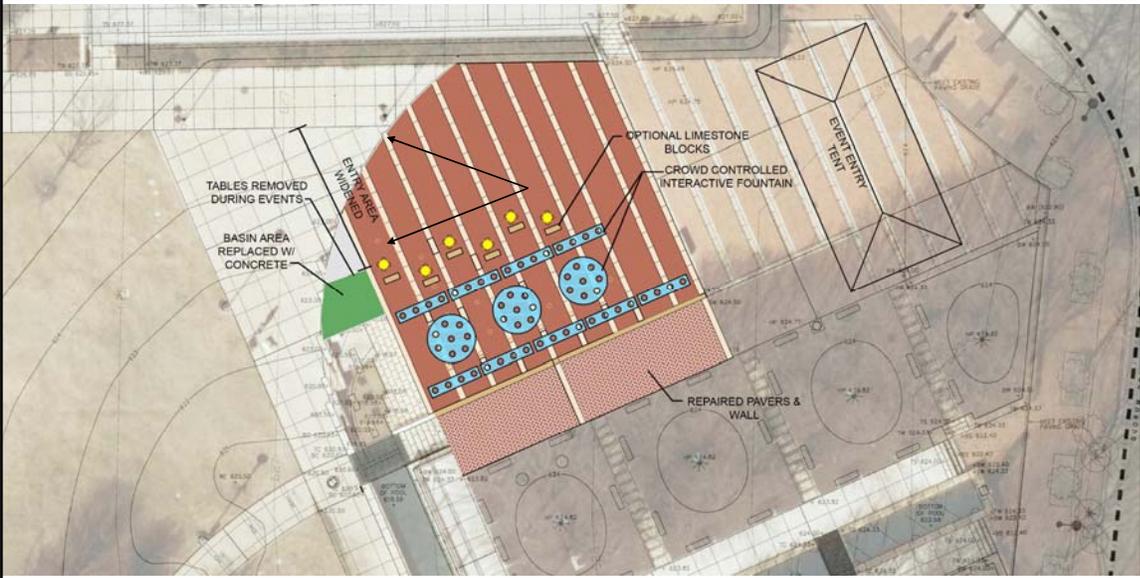
CROWD CONTROLLED TECHNOLOGY

www.youtube.com/watch?v=0OLUKpraYYc

Next steps.

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- Council direction to staff on preferred option.

- Define a project budget and costs.

- Hire consultant to prepare construction drawings.

- Bid the project and hire a general contractor.

- Complete construction of the project.

15

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16