

# Regulatory Compliance at Bryan Park

Wednesday, March 27th



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Agenda

- Project Team Introductions
- Project Overview (*FAQ-style!*)
- Q & A
- Adjourn by 8:00 pm



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Project Team



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



**Hazen**

# Project Overview



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# How are the dams in Bryan Park managed?



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# What regulatory requirements are driving this work in Bryan Park?



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Why now? What's changed with Virginia's dam safety regulations?



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# What's the City currently working on?



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**







# Goals

- Meet Virginia Department of Conservation and Recreation dam safety regulations
- Involve and coordinate with regulatory agencies and all private and public stakeholders
- Develop potential solutions consistent with the character of Bryan Park
- Minimize temporary and permanent impacts to Bryan Park and the surrounding area
- Improve the ecosystem and environment of Bryan Park
- Explore cost-effectiveness and grant funding eligibility



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



**What has the City learned about the condition of the dams? Are they in compliance?**



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Field Investigations



# Field Investigations



**What options is the City considering to meet the regulatory requirements?**



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Option 1

## Dam Rehabilitation



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Option 1

## Dam Rehabilitation



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**





# Option 2

Dam Replacement – Labyrinth Weir



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



## Option 2: Dam Replacement – Labyrinth Weir



Crookston, B. *Labyrinth Weirs*. Dissertation. Utah State University; 2010.

## Option 2: Dam Replacement – Labyrinth Weir



# Option 3

## Dam Removal and Ecological Remediation



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Option 3: Dam Removal and Ecological Remediation



**WETLAND CREATION**

**NEW BRIDGE**

**STREAM CREATION**

**DAM REMOVAL**

**DAM REMOVAL**

**NEW BRIDGE**





# What is the regulatory design flood?



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**





# Isn't the Fall Line Trail going through Bryan Park?



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Fall Line Trail Route



# Fall Line Trail

[www.falllineva.org](http://www.falllineva.org)



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



**Are the dams and ponds part of the historic character of Bryan Park? How does this impact options for regulatory compliance?**



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



What's the timeline?



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Timeline

## in progress

### DESIGN

design and permitting are expected to take two more years to complete

## then

### CONSTRUCTION

based on projects with similar scopes, construction will likely take between 18 months and two years

## after

### MONITORING

will document ecologic improvements over time



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



**Is there a way for me to stay engaged and involved in this (and other) projects at Bryan Park?**

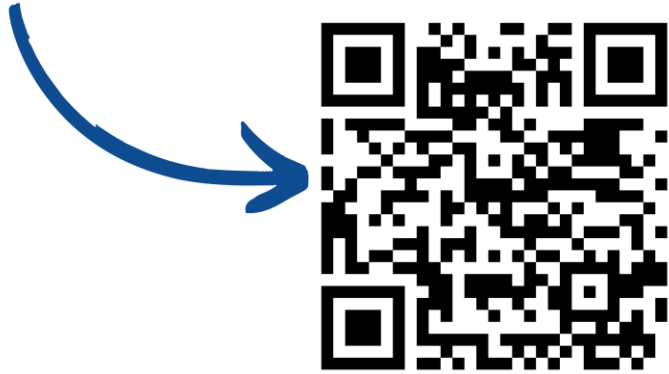


DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Friends of Bryan Park

[www.friendsofbryanpark.org](http://www.friendsofbryanpark.org)



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**





Where can I learn more?  
How do I get in touch?

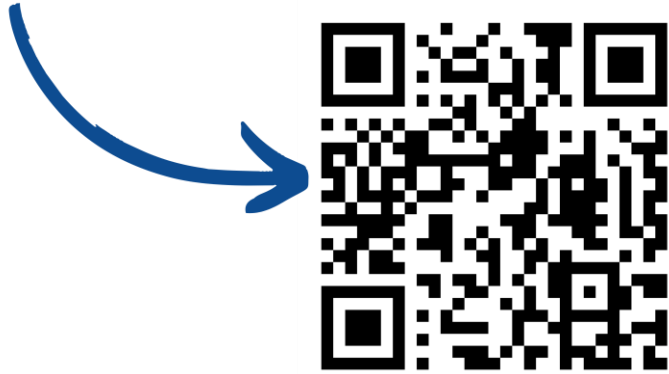


DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Learn More

[www.rvah2o.org/bryan-park](http://www.rvah2o.org/bryan-park)



Bill Boston

[william.boston2@rva.gov](mailto:william.boston2@rva.gov)

804.646.8161

Capital Improvement Program Manager

Department of Public Utilities – Stormwater Utility



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Q & A



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**



# Thank you for joining us!

[www.rvah2o.org/bryan-park](http://www.rvah2o.org/bryan-park)



DEPARTMENT OF  
**PARKS, RECREATION  
AND COMMUNITY  
FACILITIES**

