



Lick Run Project Community Meeting

Rendering of the start of the urban waterway

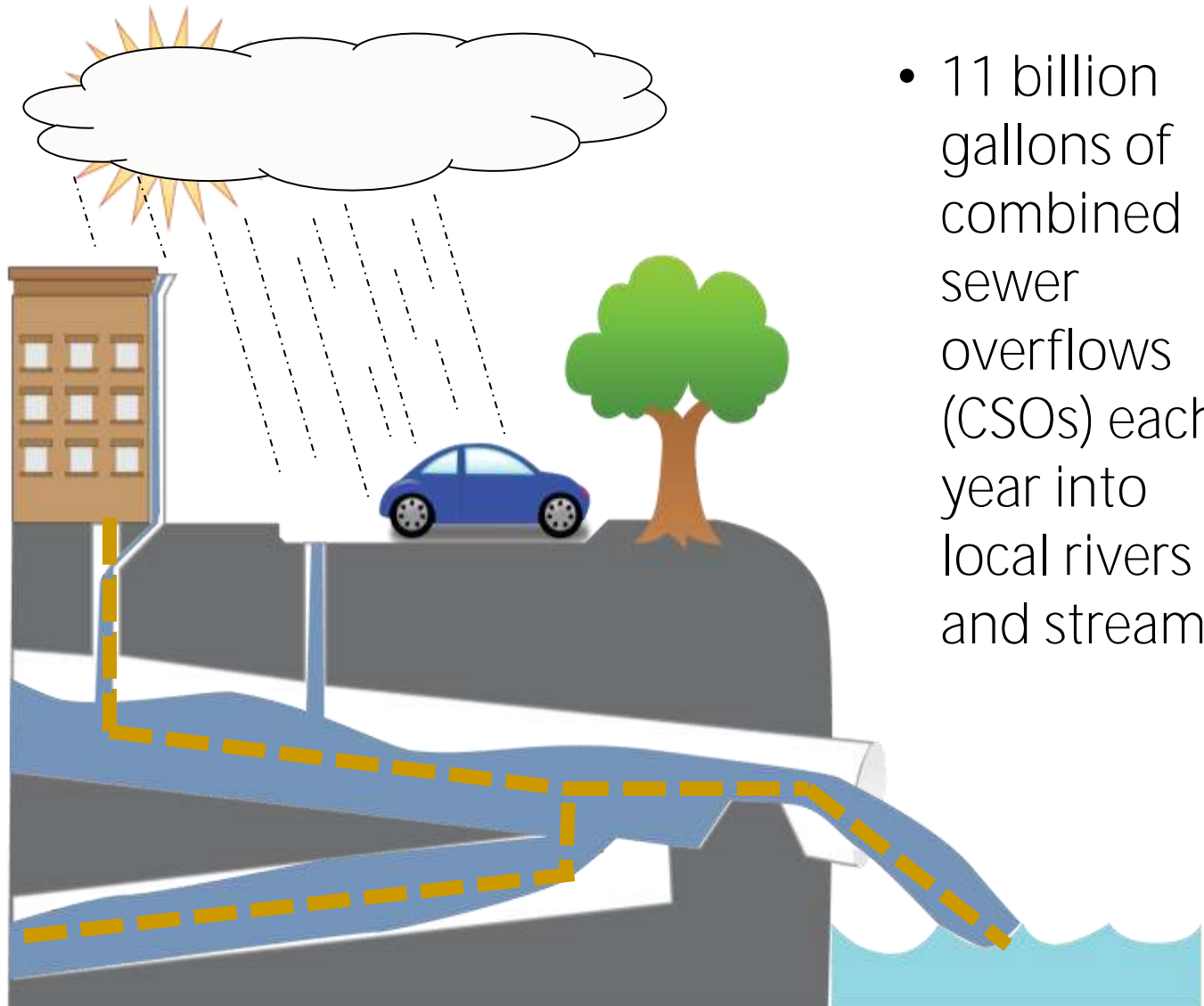
June 23, 2016



Tonight's Agenda

- Welcome and Overview
- Lick Run Project
 - Completed Projects
 - Projects Currently in Construction
 - Upcoming Projects
 - Lick Run Greenway
- Q&A
- Lick Run Project Stations (opportunity to talk to MSD staff and project partners)

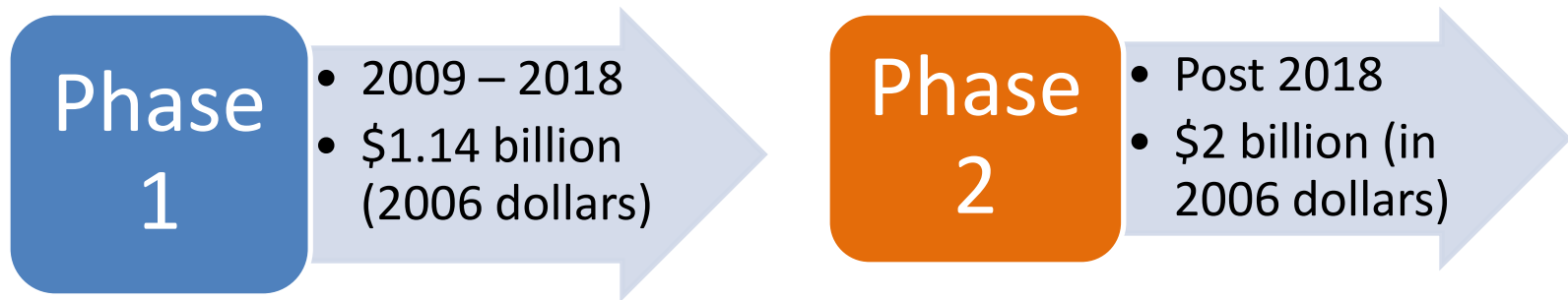
Our Challenge



- 11 billion gallons of combined sewer overflows (CSOs) each year into local rivers and streams

Our Solution

- Project Groundwork is MSD's plan to significantly reduce the CSOs
- Includes hundreds of sewer and stormwater management projects across Hamilton County

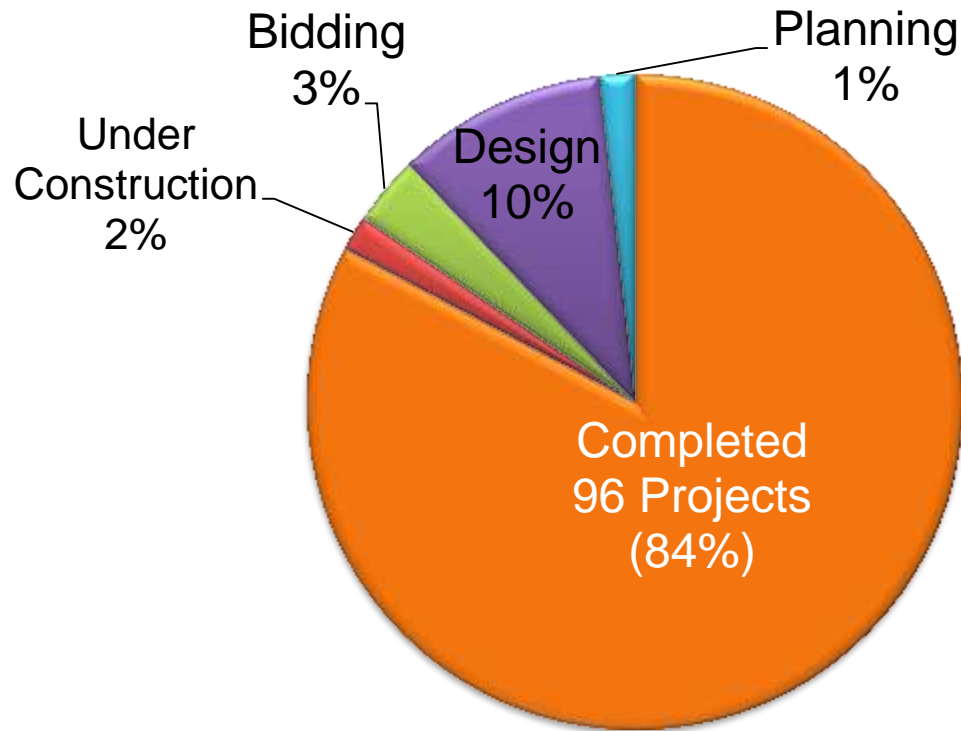


Our Solution



Progress to Date

- 84%, or 96 of 114 projects, completed for Phase 1
- Phase 1 is on schedule and on budget



Focus on Lower Mill Creek



- Phase 1 includes a special project focusing on the Mill Creek
- MSD must reduce CSOs into the Mill Creek by 1.78 billion gallons annually by 2018 (model version 3.2)
- Solution is estimated to cost \$244 million (in 2006 dollars)
- Lick Run Project is a major part of this solution

Lick Run Project

- CSO reduction/Stormwater management project
- Construction of new storm sewers and green features to collect and carry stormwater to the Mill Creek
- Includes 12 separate projects including:
 - ✓ Lick Run Greenway which carries stormwater through a constructed channel (mimics a natural stream) and a large pipe to the Mill Creek
 - ✓ 11 other projects to collect and convey stormwater to the Lick Run Greenway



Lick Run Project

- Benefits of the project:
 - ✓ Eliminate nearly 400 million gallons of CSOs annually at CSO 5 into the Mill Creek*
 - ✓ Ensure that 88% of the flows during a typical year of rain will either reach the Mill Creek treatment plant or be discharged as stormwater to the Mill Creek
 - ✓ Improve water quality in the Mill Creek

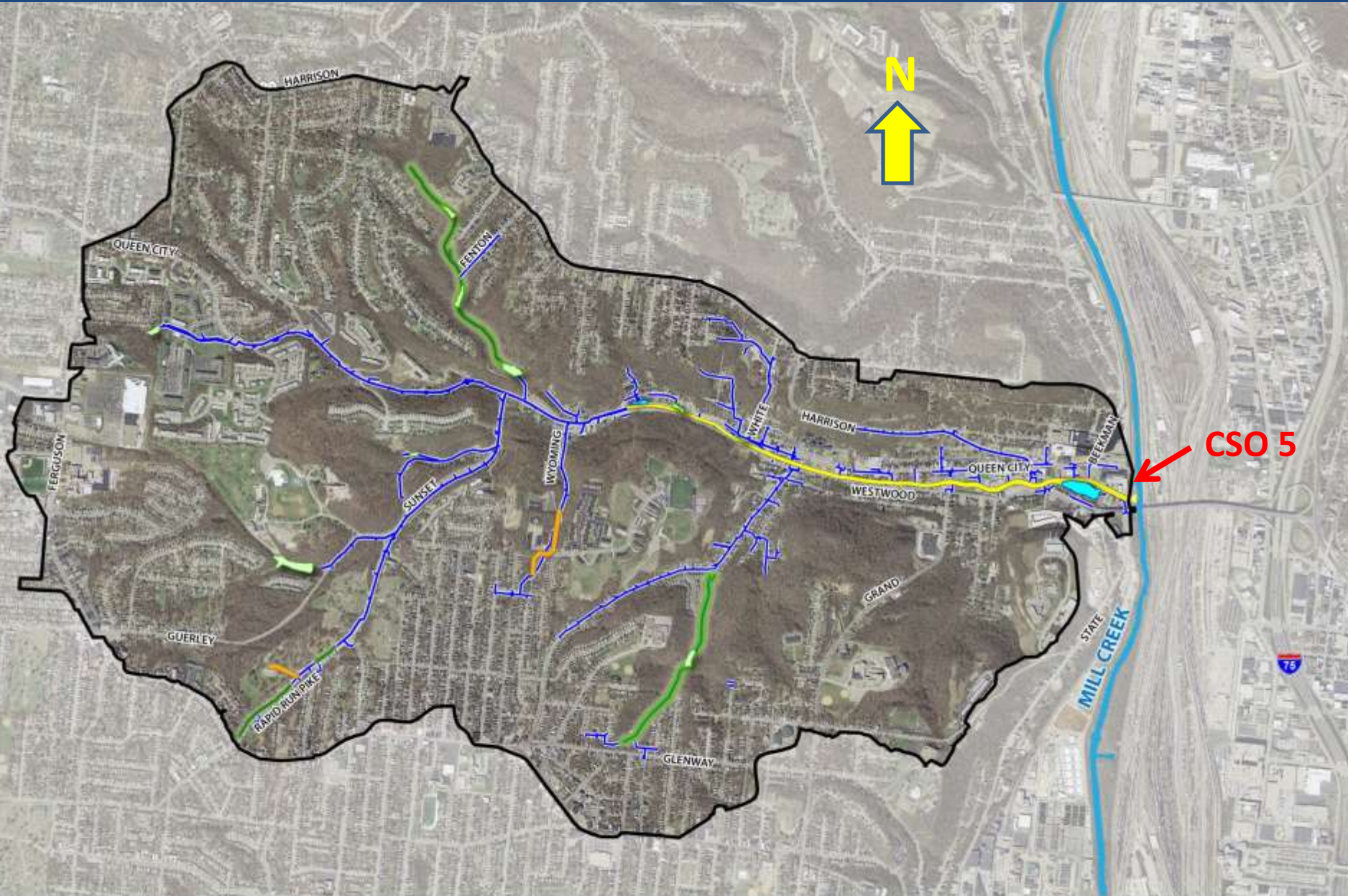


*MSD has already reduced overflows at CSO 5 by ~400 million gallons through the use of in-pipe storage, known as real-time controls

Project Status



Lick Run Project Map



Lick Run Project Status

12 projects include (in order of anticipated construction start):

1	Harrison Avenue Phase A	COMPLETED
2	Rapid Run Park	COMPLETED
3	Queen City Avenue Phase 1	COMPLETED
4	Harrison Avenue Phase B	COMPLETED
5	Sunset Avenue, Sunset Lane & Rapid Run Pike	UNDER CONSTRUCTION
6	White Street	UNDER CONSTRUCTION

Lick Run Project Status (continued)

7	Queen City Avenue, Phase 2	Fall 2016* – Winter (Dec) 2018 <i>(substantially complete)</i>
8	Wyoming & Minion Avenues	Fall 2016 – Fall 2017
9	Quebec Heights	Fall 2016 – Fall 2017
10	Queen City & Cora Avenues	Fall 2016 – Fall 2017
11	Lick Run Greenway	Fall 2016* – Winter (Dec) 2018 <i>(substantially complete)</i>
12	Quebec Road	Summer 2017 – Summer 2018

*Starting with utility relocations separate from the project construction

ALL PROJECTS MUST BE SUBSTANTIALLY COMPLETE BY DECEMBER 2018

Sunset Avenue, Sunset Lane and Rapid Run Pike **(UNDER CONSTRUCTION)**



- New storm sewers along Sunset Avenue/Rapid Run Pike, Sunset Lane and Guerley Road
- New stormwater detention basin
- Connects the Rapid Run Park bioswale and the Guerley Road dam to the storm sewers under Queen City Avenue
- Construction:
Fall 2015 – Spring 2017

Sunset Avenue, Sunset Lane and Rapid Run Pike **(UNDER CONSTRUCTION)**



White Street (UNDER CONSTRUCTION)



- New storm sewers along White Street and multiple side streets
- Connects to the storm sewers under Queen City Avenue
- Construction: Winter (Feb) 2016 – Spring 2017

White Street (UNDER CONSTRUCTION)



Queen City Avenue, Phase 2 (STARTING THIS FALL)



- New storm sewers along a 1-mile stretch of Queen City Avenue
- Retrofit of existing stormwater detention basin
- Connects to other storm sewers along Queen City Avenue
- Anticipated construction: Fall 2016 – Winter (Dec) 2018 (*substantially complete*)

Project will be conducted in two phases:

1. Relocation of water main and other utilities
2. Construction of storm sewers and retrofit of stormwater detention basin

Wyoming & Minion Avenues (STARTING THIS FALL)



- New storm sewers along Wyoming Avenue, Westmont, Minion, Beech, Latham and Manss
- Connects to the storm sewers along Queen City Avenue
- Anticipated construction: Fall 2016 – Fall 2017

Quebec Heights (STARTING THIS FALL)



- Green project in Glenway Woods:
 - Restoration of a stream that was enclosed in a combined sewer
 - Retrofit of existing detention basin
 - New storm sewers
- \$150,000 grant from U.S. Forestry Service
- Connects to storm sewers along Quebec Road
- Anticipated construction:
Fall 2016 – Fall 2017

Queen City and Cora Avenues (STARTING THIS FALL)



- Green project in Judson ravine:
 - Restoration of a stream that was enclosed in a combined sewer
 - Retrofit of three existing detention basins
 - New storm sewers
- Connects to storm sewer along Queen City Avenue
- Anticipated construction:
Fall 2016 – Summer 2017

Lick Run Greenway



Lick Run Greenway



Lick Run Greenway

- Primary changes to the Lick Run Greenway since our last meeting in 2014:
 - ✓ Pond was resized from 2.4 acres to 2 acres to allow Cincinnati Fire Station No. 21 to remain in its current location
 - ✓ City decided not to advance transportation changes to Westwood and Queen City Avenues.
 - ✓ Harrison Avenue bridge was realigned.



Lick Run Greenway

Urban Waterway

- Designed to mimic a natural waterway
- Water quality benefits
- Recirculation system to add flow during dry weather periods



Lick Run Greenway

A



Lick Run Greenway

B



Lick Run Greenway

C



A

B

C

D

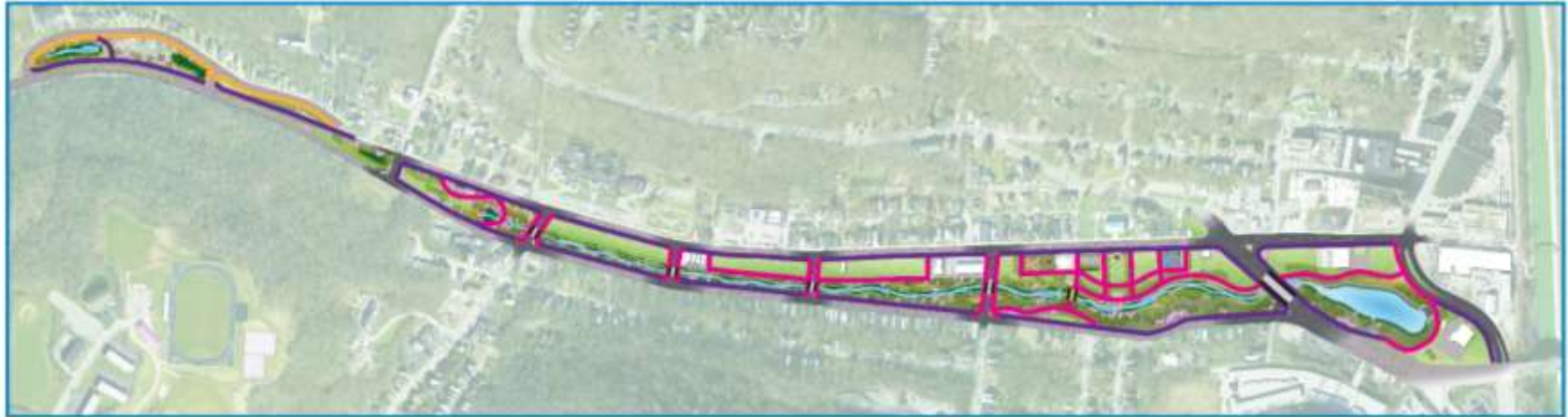


Lick Run Greenway

D



Lick Run Greenway

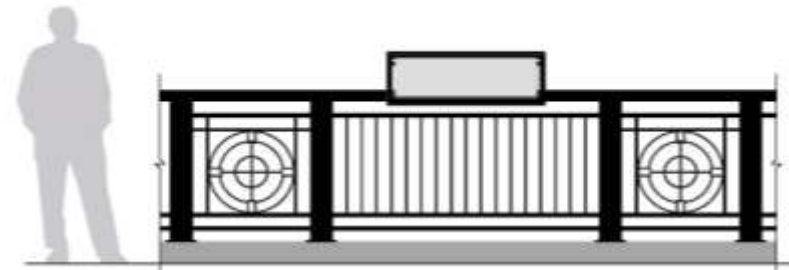
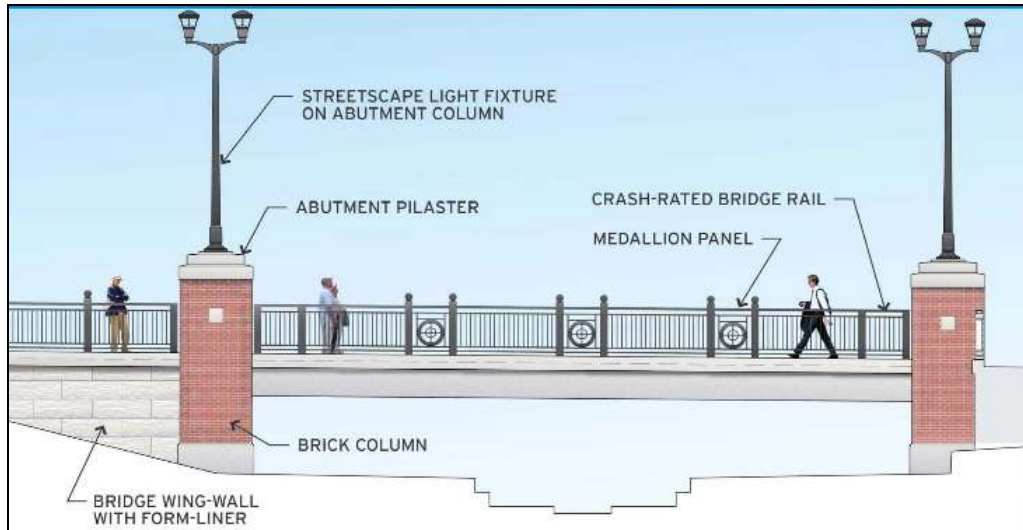


-    Proposed New and/or Replaced Pedestrian Sidewalks (5-8' min)
-  Existing Sidewalks to Remain
-  Proposed Multi-Purpose Access Path (10' min)
-  Proposed New Bridge
-  Proposed New Pedestrian Bridge



Lick Run Greenway

Bridges and Signage



Lick Run Greenway

Property Acquisitions and Relocation

- MSD has purchased 90 of the 91 properties needed for the Lick Run Greenway
 - ✓ MSD should own the last property by this summer
 - ✓ All properties should be vacant by June 30th
- MSD is now focusing on acquiring partial properties and easements
- Property Management: If you notice trash or yard waste on a property, please contact us at 557-3594 or MSD.Communications@cincinnati-oh.gov

Lick Run Greenway

Demolitions/Deconstruction



Completed Deconstruction of 1608 Queen City Avenue

- To date, 47 of 91 buildings demolished
- 8 currently underway
- 36 more to go
- Port Authority helping with demos to offset costs
- Non-profit Building Value is removing reusable building materials for resale

Lick Run Greenway

Historic/Cultural Resources

- Five impacted properties in project area are potentially eligible for National Register of Historic Places (NRHP)
- MSD is implementing a mitigation plan
- Plan is under review by the Ohio EPA
- To date, no potentially historic buildings have been demolished



Lick Run Greenway

Historic/Cultural Resources (continued)

- Mitigation progress to date:
 - ✓ Two local artists developed a video history of South Fairmount called **“Lick Run Revival”**
 - ✓ Lick Run Greenway cultural signage and a heritage trail on the history of South Fairmount in progress
 - ✓ **Second generation “moon trees”** cloned and will be planted along the Greenway



Lick Run Greenway

State grant for soil remediation

- MSD awarded \$1.2 million Clean Ohio grant from State of Ohio **to clean up “brownfield” area between Beekman Street and State Avenue near Fire Station 21**
- Demolition of two City buildings, soil testing, and soil removal
- Scheduled to begin in Fall 2016



Lick Run Greenway

Schedule

- Fall 2016: Early construction work in the Greenway to relocate utilities and remediate the Beekman/State area
- November 2016: Project 100% designed
- December 2016: Project bid for construction
- Spring 2017: Construction to start
- December 2018: Substantial completion of project
- Fall 2019: Final completion of project– November 2019

Lick Run Website:

www.projectgroundwork.org/lickrun

Don't forget to sign up for email updates

Q&A

METROPOLITAN
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PROJECT GROUNDWORK
your pipeline to clean water