



Ad Hoc Stormwater Utility and Flood Mitigation Advisory Group

December 8, 2021 Meeting

Tonight's Agenda

1. Electronic Meeting Notice (7:00)
2. Approval of the October 7, 2021 Meeting Minutes (7:05)
3. Chair's Comments (7:10)
 - a. Work products
 - b. One-on-one conversations with Dr. Medina
4. Staff Update (7:20)
 - a. Large capacity projects
 - b. Neighborhood spot improvements
 - c. Sanitary sewer asset renewal
 - d. Master baseline schedule
 - e. State and federal grant funding
 - f. Communications and public information
 - g. Response to specific questions
5. Contributions of the Ad Hoc Advisory Group to the Program (8:10)
6. Questions and comments (8:20)
7. Adjourn (8:30)

Electronic Meeting Notice

AGENDA ITEM #1

Electronic Meeting Notice

Due to the COVID-19 Pandemic emergency, this meeting is being held electronically pursuant to Virginia Code Section 2.2- 3708.2(A)(3), the Continuity of Government ordinance adopted by the City Council on June 20, 2020 or Section 4-0.01(g) in HB29 and HB30, enacted by the 2020 Virginia General Assembly (Virginia Acts of Assembly Ch. 1283 and 1289), to undertake essential business. All of the members of the Advisory Group and staff are participating from remote locations through Zoom.

Note: this meeting is being recorded.

Approval of Minutes of the October 7th, 2021 Meeting

AGENDA ITEM #2

Chair's Comments

AGENDA ITEM #3

Staff Update

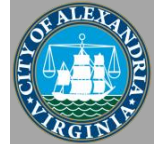
AGENDA ITEM #4

Staff Update Overview

- a. Large capacity projects
- b. Neighborhood spot improvements
- c. Sanitary sewer asset renewal
- d. Master baseline schedule
- e. State and federal grant funding
- f. Communications and public information
- g. Response to specific questions

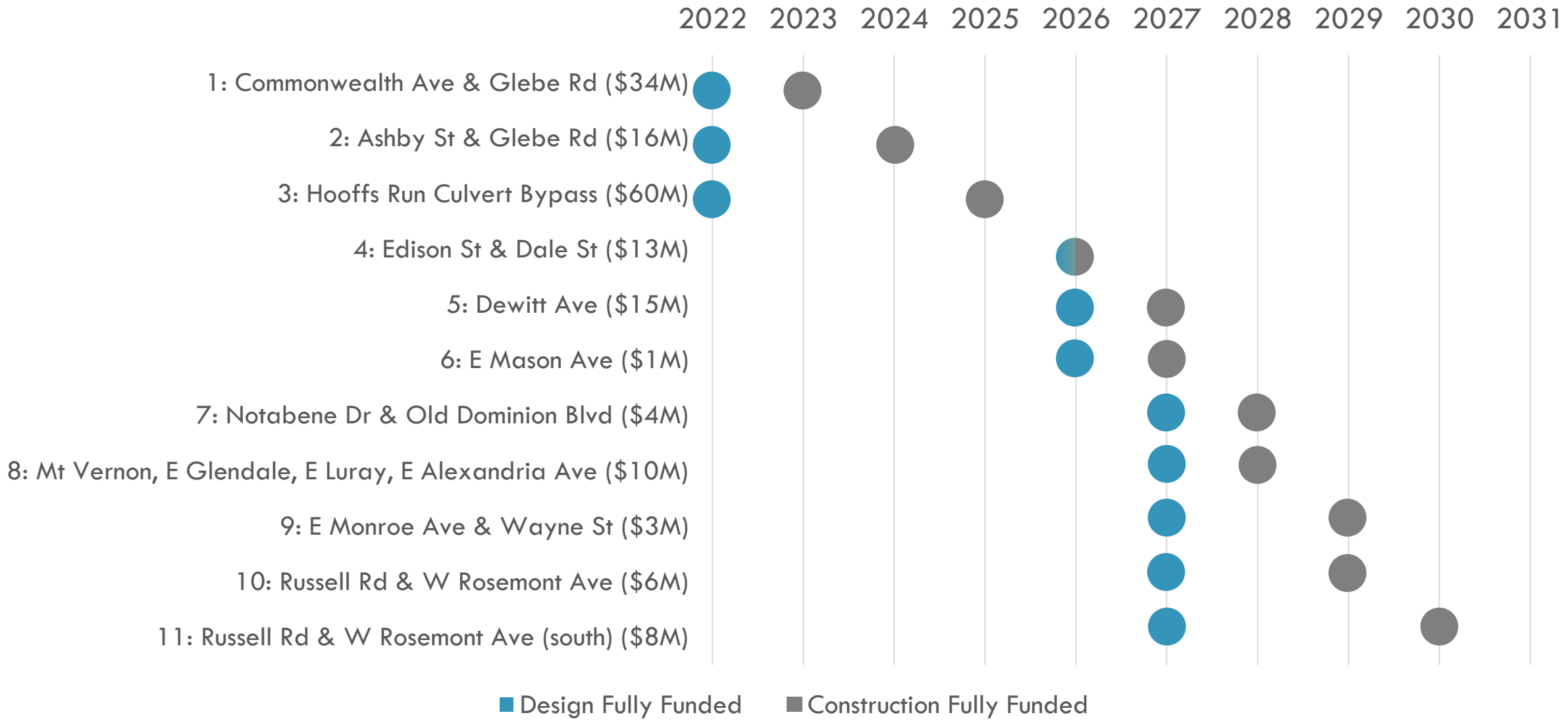
Large Capacity Projects

AGENDA ITEM #4.a



Funding Timeline for FY 2022 – FY 2031 Capacity Projects

(For Planning & Budgeting Purposes, by Fiscal Year)



Capacity Project Timelines*

Capacity Projects	2021				2022				2023				2024				2025				2026				2027			
	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4
Commonwealth Ave & E Glebe Rd			\$				\$																					
Ashby St & E Glebe Rd			\$								\$																	
Hooff's Run Culvert Bypass			\$												\$													

Design Procurement
 Design
 Construction Procurement
 Construction

\$ - Design Funding Available

\$\$ - Construction Funding Available

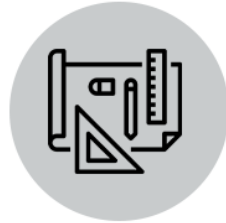
*These are preliminary schedules and subject to change.

Large Capacity Projects

Snapshot of progress on upcoming projects. Timelines are estimates and subject to change.



Combined 2 projects
to streamline design



Design for top 3 projects
funded in FY 22:
\$19.9 million



Construction estimates
for FY 23, FY 24, FY 25:
\$87.6 million

Design 1 & 2

**E. Glebe Road and Commonwealth Ave. and
Ashby St. and E. Glebe Road**

Request for Qualifications: Late January 2022
Estimated Contract Award: Spring 2022
Design Completion Target: Spring 2025

Design 3

Hooff's Run Culvert Bypass

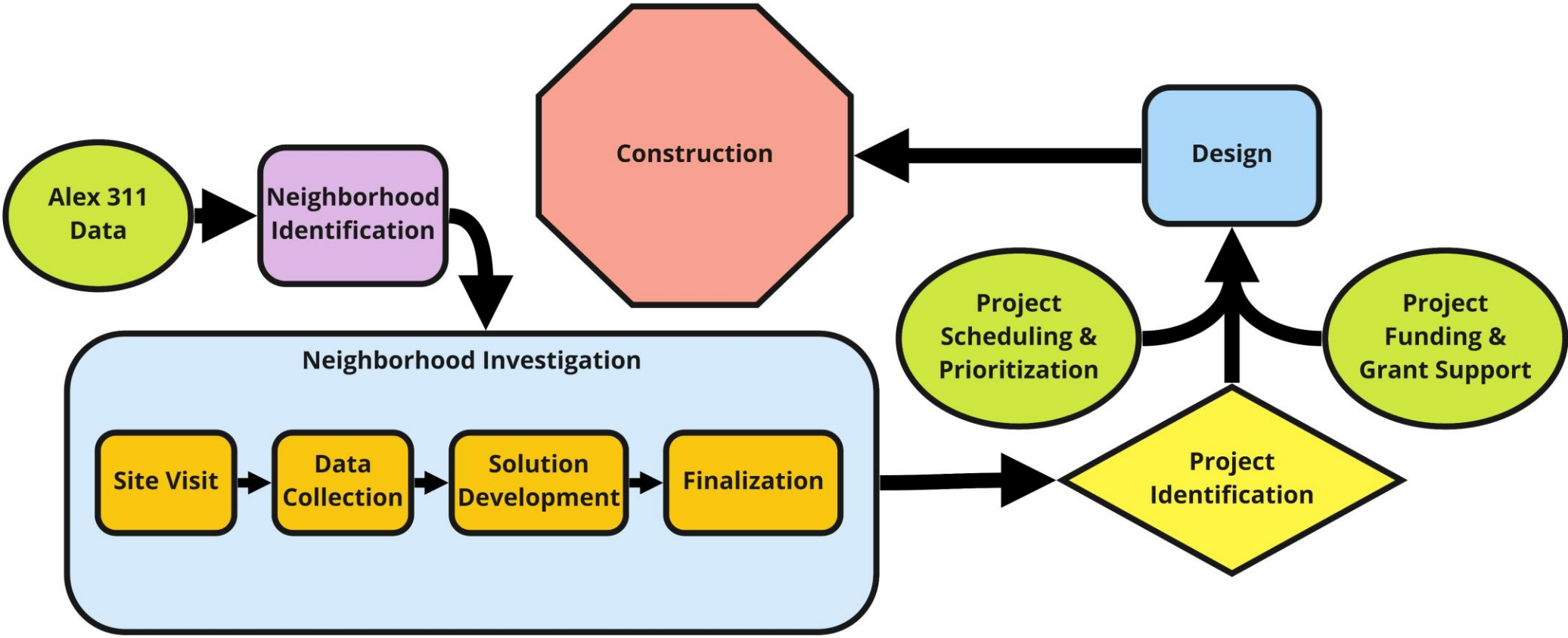
Request for Qualifications: April 2022
Estimated Contract Award: Summer 2022
Design Completion Target: Summer 2025

More information online at www.alexandriava.gov/124317

Neighborhood Spot Improvements and Ongoing Investigations

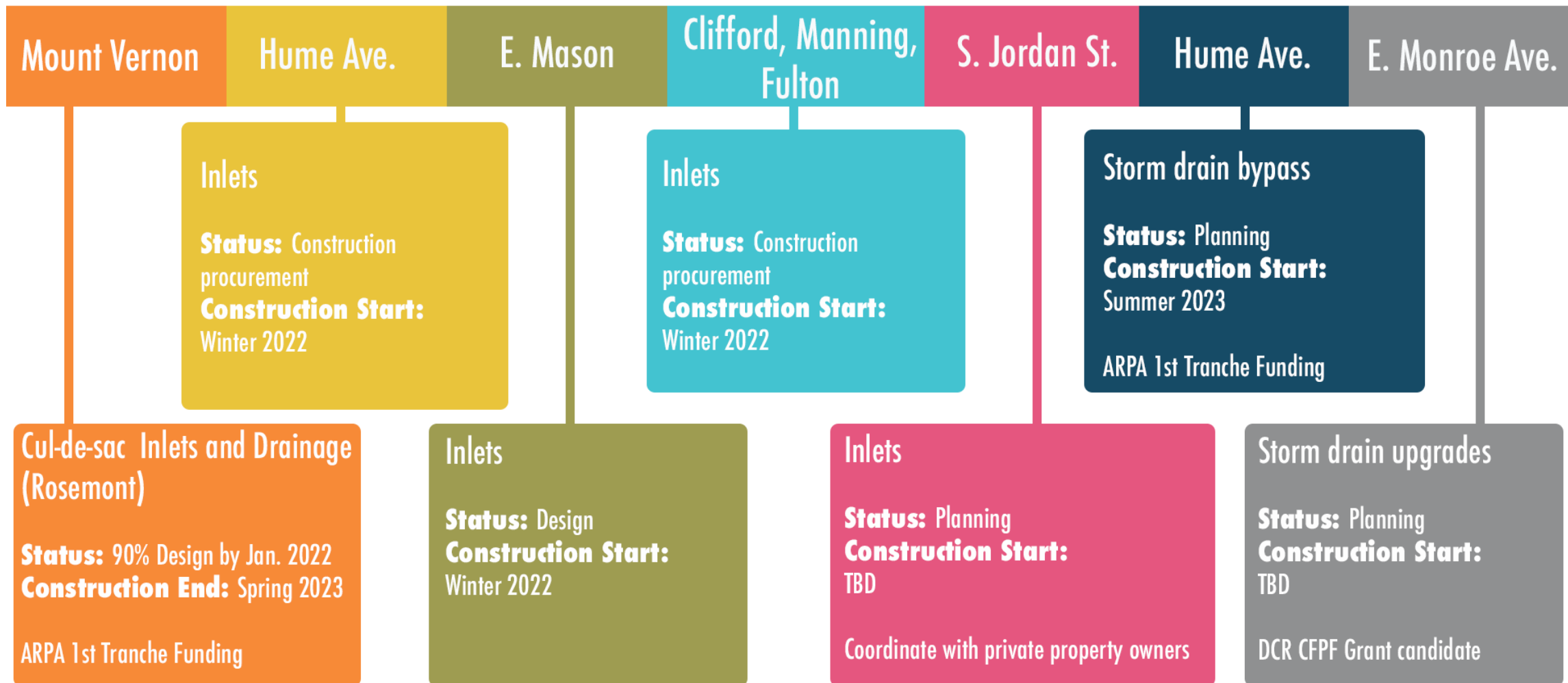
AGENDA ITEM #4.b

Neighborhood Spot Improvements Workflow



Neighborhood Spot Improvement Projects

Snapshot of progress on upcoming projects. Timelines are estimates and subject to change.



More information online at www.alexandriava.gov/tes/stormwater/info/default.aspx?id=122680

Neighborhood Spot Improvements

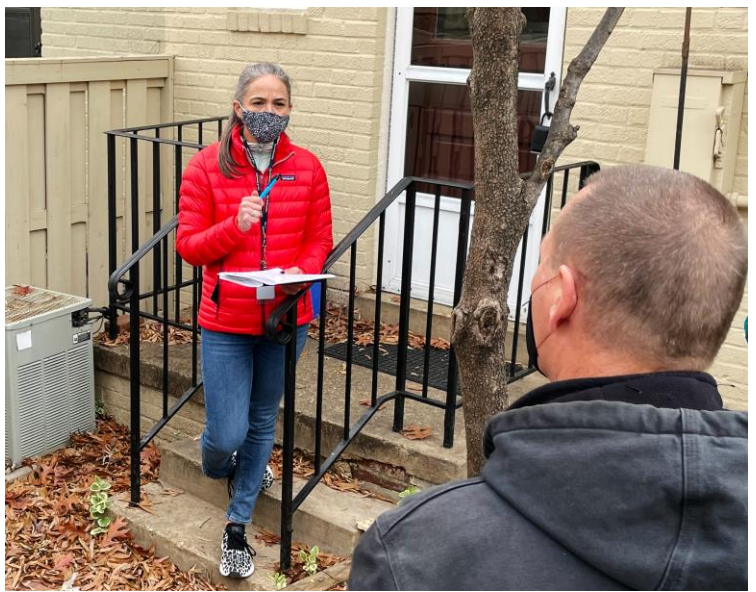
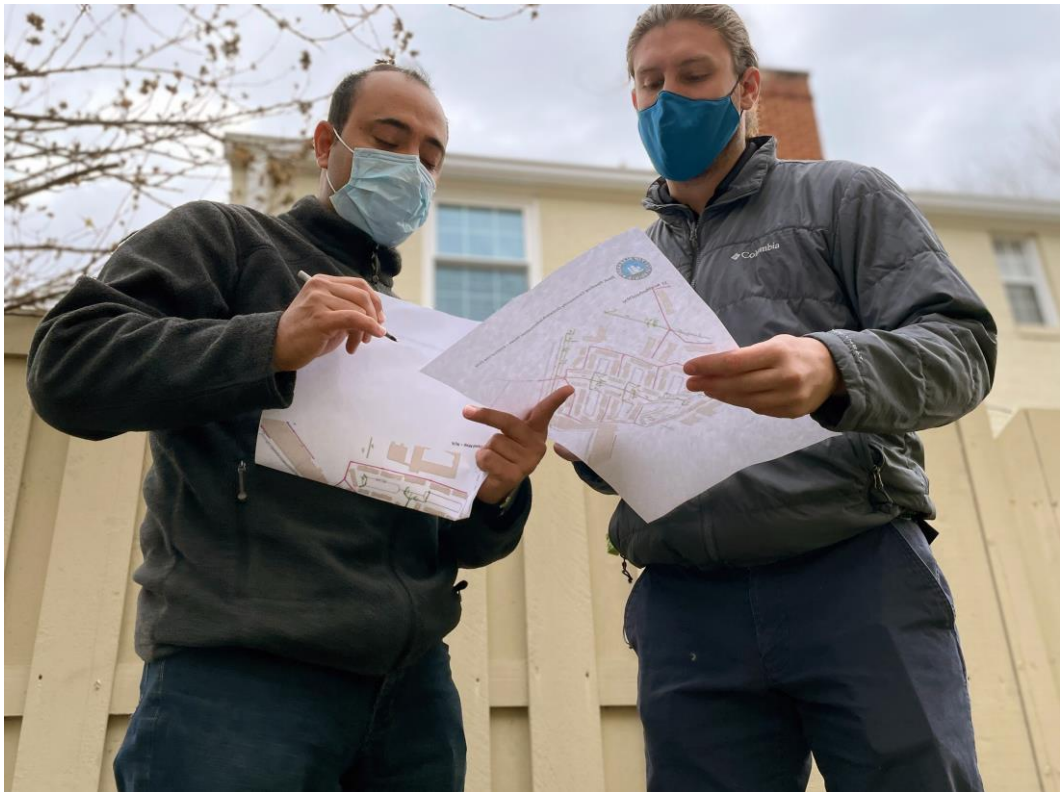
- Check Valve Installations
 - E. Alexandria: Sept 2021
 - E. Mason Ave and Dewitt (2): Sept & November 2021



Engineer Altan Erginkoc observed the check valve installation using on-call contractor at East Mason Avenue and Dewitt Avenue on Nov. 30

Ongoing Investigations

- City engineers visit neighborhoods that have reported consistent flooding.
- Engineers use data from Alex311 and information from residents to investigate solutions.

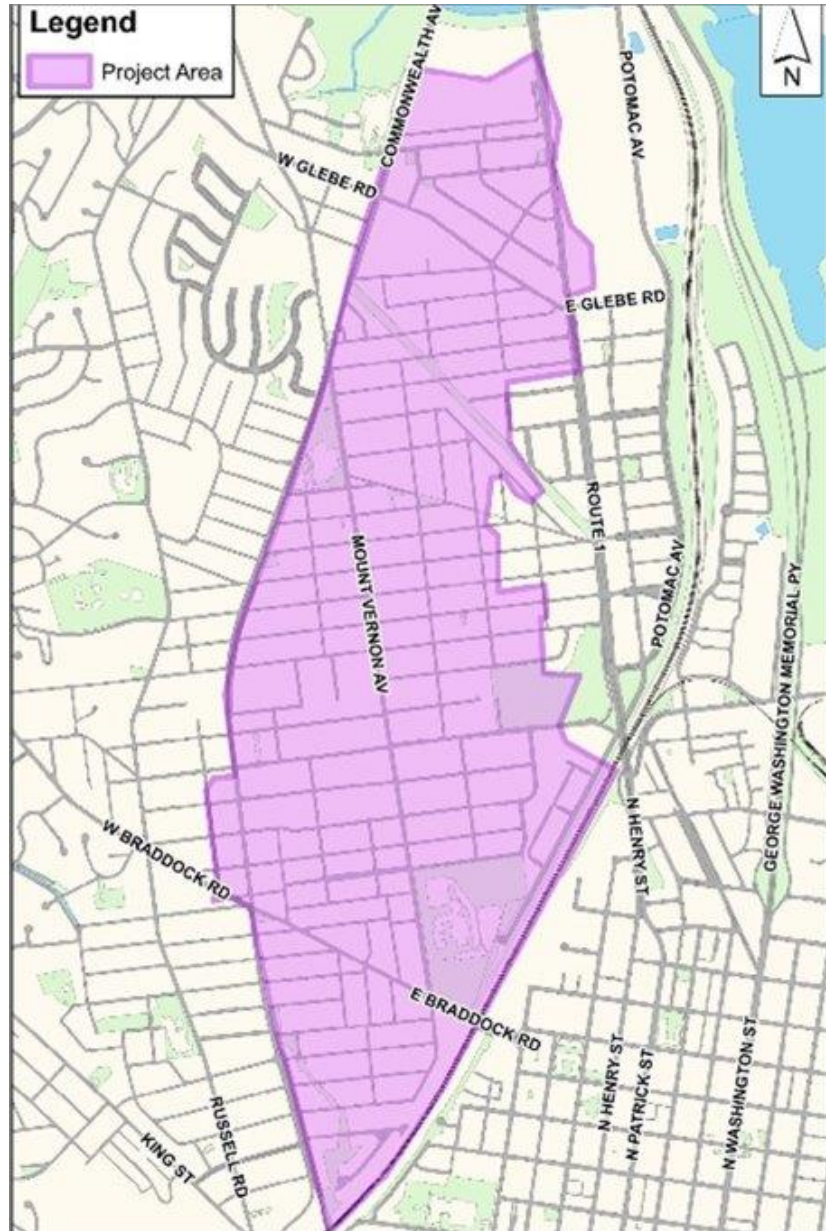


TOP: Engineers Qais Ayubi and Mitch Dillon review a map of the City's sewer infrastructure while investigating solutions for flooding in a neighborhood near King Street on Dec. 3.

BOTTOM: Engineer Jessica Lassetter speaks with residents in a flood-prone neighborhood near King Street on Dec. 3.

Sanitary Sewer Updates

AGENDA ITEM #4.c



Phase 1 Asset Renewal Inspections

Sanitary and Combined Sewers

➤ Sanitary Sewer Master Plan

- City Council approval November 13

➤ Sanitary Sewer Asset Renewal Program

- Phase 1 inspections completed
- Phase 1 rehab recommendations early 2022
- Phase 2 inspections early 2022
- Rehabilitation contract under development

Sanitary and Combined Sewers



Combined Sewer System

➤ Combined Sewer Flooding

➤ Ongoing studies

- Nethergate

- Pitt/Gibbon

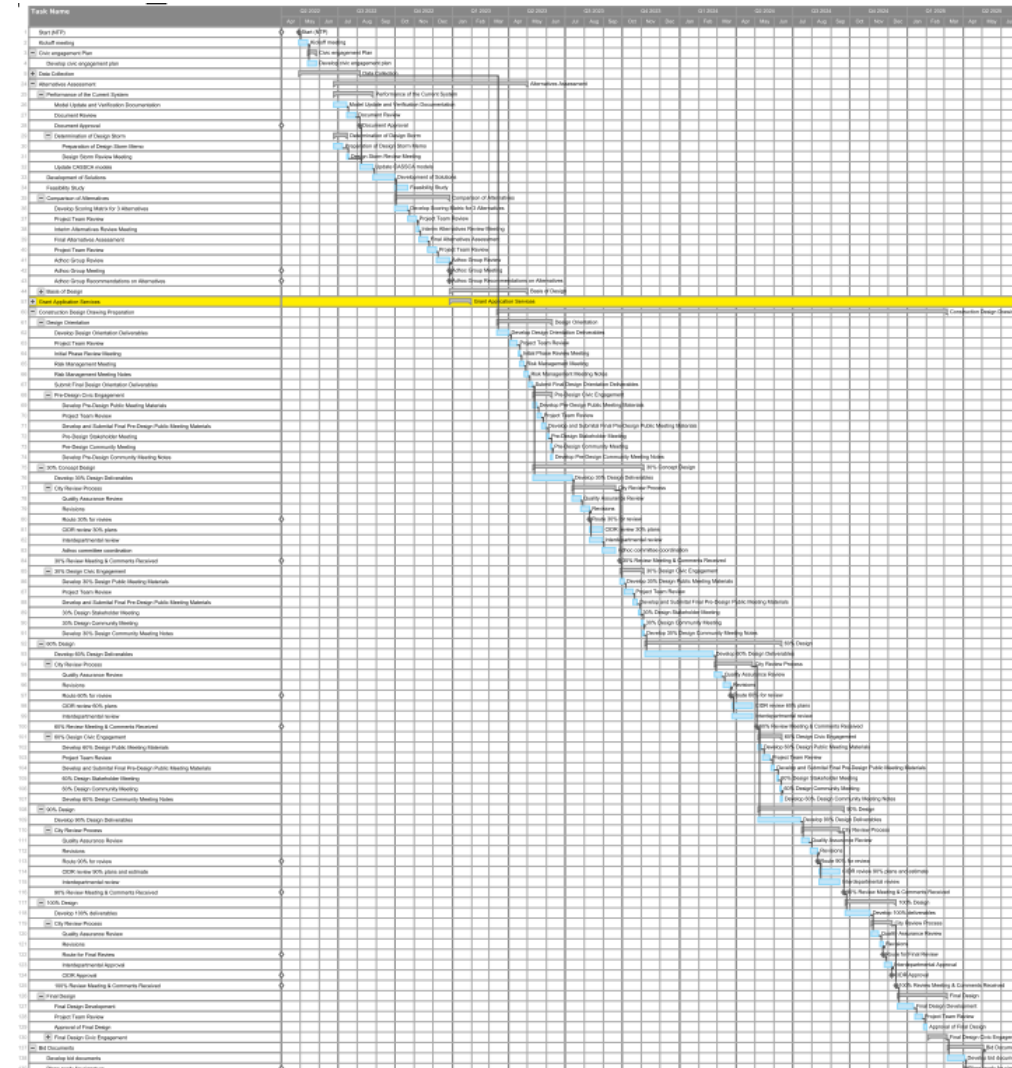
➤ RFP for systemwide model in development

Master Baseline Schedule

AGENDA ITEM #4.d

Master Baseline Schedule

- Detailed tasks for all steps in the process
 - Large capacity and spot improvements
 - Series of design steps
 - Quality checks
 - Review by City departments
 - Public comment periods
 - Ad Hoc Group engagement
- Estimated completion of schedule: 8 weeks



State and Federal Grant Funding

AGENDA ITEM #4.e

State and Federal Grants

- Virginia Resources Authority, Virginia Department of Conservation and Recreation (DCR) Community Flood Preparedness Fund (CFPF) Grant:
 - 9/5/2021 Solicitation: Awarded Commonwealth Ave / E. Glebe ST / Ashby St “Resilient Green Streets” design for the large capacity projects
 - 11/5/2021 Solicitation: Submitted Early Phase #4 Edison and Dale Streets to accelerate the large capacity project (10-Year funding schedule FY26)
 - To accelerate Cap project
- Upcoming Jan/Feb 2022: consideration of next



Communications and Public Information

AGENDA ITEM # 4.f

Communications

Three notable lines of communications efforts

FLOOD ACTION NEWSLETTER

Redesigned with reader experience in mind.



DECEMBER 2021 ISSUE 4

[ABOUT US](#) [ADVISORY GROUP](#) [E-NEWS](#)

Manager's Message
A message from the Flood Action Program Manager.

Together, We Can Build Resilience to Extreme Rain Distressing Our City



I was six years old the first time I saw a major flood. It happened in the working-class neighborhood in my hometown of Bogota, Colombia, where my family lived. Intense rains had caused a river nearby to overflow its banks and flood large swaths of the neighborhood. Looking out a window on the second floor of the rental apartment where we lived, I saw the dirty floodwater barely a block away from our doorstep. A city bus was stranded on one of the flooded streets, with a few passengers onboard, thrashing in the water and unable to open the doors. At that moment, a military truck arrived on the scene, and the commanding officer ordered the soldiers to get off. Their fatigues were wet and their faces weary because, indeed, they had been deployed to help

SOCIAL MEDIA

Creating informational and engaging content residents deserve.



VIDEO STORYTELLING

Expanding video storytelling to give residents inside look at projects, aligned with media trends.





Response to Specific Questions

AGENDA ITEM # 4.g

Questions from Group Members

- Is Council considering additional funding from the second tranche of America Rescue Plan (ARP) funding, and what projects would be considered? Would our group be consulted or able to suggest projects?
- What funding is possibly forthcoming from the Infrastructure Bill that may be used for the stormwater utility? If so, will our group have input on how those funding resources will be allocated?
- Was the funding from Congressman Beyer's community grant application approved? If not, will the alleyway stormwater work proceed without it?
- Is mitigation work for the Douglass Cemetery in the current program, and what funding resources are available? Will our group review and comment?
- Are there plans for expanded monitoring? What would be the use for additional data and does the benefit outweigh the cost?

Contributions of the Ad Hoc Advisory Group to the Program

AGENDA ITEM # 5

We need your talent

- Examples of potential engagement for the Ad Hoc Group:
 - Project prioritization
 - Floodproofing vendor fair (Spring 2022)
 - Alexandria Flood Resilience Plan

Questions and Comments

AGENDA ITEM #6

Adjourn

AGENDA ITEM #7