Allison Street Flood Control Project
Levee Rehabilitation and 34th Street Bridge Replacement

Wednesday, July 24, 2019
Presentation Overview

- Information on Existing Allison Street Levee
- Levee Certification Program
- Allison Street Levee Certification Work
  - Levee System Raising and Extension
- Construction Schedule
Allison Street Levee

- Constructed by the Washington Suburban Sanitary Commission (WSSC) in the 1980s
- An extension of the US Army Corps of Engineers (USACE) Anacostia Levee System, constructed in the 1950’s
- Certification of the Anacostia Levee System is completed
Existing Allison Street Levee System
Levee Certification Program

- Following the disastrous impacts of Hurricane Katrina in 2005, the USACE initiated a nationwide evaluation of levee systems.

- Code of Federal Register 44-65.10 requires that a levee accredited by FEMA and shown on a Flood Insurance Rate Map (FIRM) be certified by a Professional Engineer or a Federal Agency.

- Prince George’s County Evaluation Report, October 2010, identified work elements required on the Allison Street Levee System to meet 44 CFR 65.10 and be certified.
Improvements will be implemented/constructed by the County:

- Department of the Environment (DoE)
- Department of Public Works and Transportation (DPW&T)

Upon Allison Street Levee Certification:

- FEMA recommends that property owners review flood insurance requirements with their private insurer when the “seclusion” area is revised on the FEMA maps
What does this mean to you?

- The Allison Street North and Allison Street South Levee Systems do not meet the requirements in the National Flood Insurance Program (NFIP) regulations related to a levee system’s capacity to provide 1-percent-annual-chance flood protection. This project’s intent is that the levees will be eligible for accreditation upon the project completion.

- FEMA has mapped the areas behind these levee systems using a process called “seclusion” mapping which includes map notes explaining that these flood hazards will be updated later when updated levee analysis and mapping is applied.
What does this mean to you?
TB17-003 : ALLISON STREET FLOOD CONTROL PROJECT LEVEE REHABILITATION AND 34TH STREET BRIDGE REPLACEMENT

Technical review
ALLISON STREET FLOOD CONTROL PROJECT LEVEE REHABILITATION AND 34TH STREET BRIDGE REPLACEMENT

[Diagram of Allison Street with annotations]

Allison Street Levee Certification Program
Levee Raising Requirements
Raise Levee Embankments

Terry Bellamy
Director

Joseph P. Gill
Director

Angela D. Alsobrooks
County Executive
Raise Levee Embankments

Where required, embankments will be raised 0.5 feet to 3 feet
Raise Levee Walls

Segment E

Segment A

Segment B

Segment F
Extend Levee – 31st Street

Segment A
North Bank
Extend Levee – Chillum Road
Segment C
Additional Elements/Considerations

- Wall to be closed
- County will work with the community, town, property owner, and emergency services on the closure
Raise Levee Embankments

Segment C
Extend Levee – 31st Street
Segment D

South Bank
Raise Levee Walls

Segment F

Allison Street Levee Certification Program
Replace 34th Street Bridge
Replace 34th Street Bridge
Proposed Improvements
Replace 34th Street Bridge

BRIDGE SECTION

12 PRESTRESSED CONCRETE SLABS @ 4' - 0" = 48' - 0"

1.5 - 7 1/4" PARAPET
5.5 - 1" SIDEWALK
5 - 0" SHOULDER
11 - 0" LANE
11 - 0" LANE
7 - 0" SHOULDER
5.5 - 1" SIDEWALK
1.5 - 7 1/4" PARAPET
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1. General presentation

2. Technical topics

3. Pricing topics
Replace 34th Street Bridge

Traffic Impacts

- South Bound Traffic will be maintained during the construction.
- North Bound Traffic will be detoured during construction.
- Pedestrian access will be maintained.
Additional Elements/Considerations

Metro Pedestrian Access

- Current dirt pathways to be consolidated
- County has worked with the community, town, M-NCPPC and Queenstown Apartments and has developed access plan
Vegetation and Structure Free Zone

- 44.CFR 65.10 and USACE require no structures (poles, barricades, guardrail post) or trees/vegetation within 15 feet of levee embankment or levee wall
- Tree removal will be required
- County will provide tree replacement and will work with Communities for tree planting locations
- Town meeting scheduled March 5th
Vegetation and Structure Free Zone
## Project Schedule

<table>
<thead>
<tr>
<th>Project</th>
<th>Construction Start</th>
<th>Duration</th>
<th>Estimated Completion Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allison Street Levee Flood Control Project &amp; 34th Street Bridge Replacement</td>
<td>June 2019</td>
<td>24 months</td>
<td>Summer/Fall 2021</td>
</tr>
</tbody>
</table>
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Approximate durations of Levee and Bridge Construction Activities:

1. Segment A 9 months
2. Segment B 8 months
   1. Not allowed to start until after Sept. 15- Pool Closure
3. Segment C 13 months
4. Segment D 6 months
5. Segment E 6 months
6. Segment F 6 months
   1. Not allowed to start until after Bridge is 100% complete.
7. Bridge
   1. Based on Relocation of overhead wires and poles by PEPCO
      a. Phase 1 12 Months
         Switch traffic to proceed SB in Phase 1 completed bridge portion.
      b. Phase 2 12 Months
Public Involvement

County will provide website updates and continue to coordinate with stakeholders:

- City of Mount Rainier
- Town of Brentwood
- M-NCPPC website
- Other Community Stakeholders
Additional Items of Discussion

- Citizens will have limited parking on Arundel Road
- Preconstruction survey of properties impacted
- Pedestrian access along 34th Street bridge and Levee Segment C
- Coordination with school
ALLISON STREET FLOOD CONTROL PROJECT LEVEE REHABILITATION AND 34TH STREET BRIDGE REPLACEMENT

 Addresses for Pre Construction Survey to be Performed

<table>
<thead>
<tr>
<th>Unit Address</th>
<th>Notes</th>
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<tbody>
<tr>
<td>4513/4517 31st Street</td>
<td></td>
</tr>
<tr>
<td>3101/3103 Arundel Road</td>
<td></td>
</tr>
<tr>
<td>3105/3107 Arundel Road</td>
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</tr>
<tr>
<td>3109/3111 Arundel Road</td>
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<tr>
<td>3115 Arundel Road</td>
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<td>4530 32nd Street</td>
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<td>3207 Arundel Road</td>
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<tr>
<td>3209 Arundel Road</td>
<td>Empty Lot</td>
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<tr>
<td>4603/4605 34th Street</td>
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<tr>
<td>4601 34th Street</td>
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<td>4517 30th Street</td>
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<td>4531 34th St.</td>
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<td>3401 Allison St.</td>
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<td>3400 Allison St.</td>
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</tr>
<tr>
<td>3370 Chillum Rd</td>
<td>Apartment Building (Bid Item 1025)</td>
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<td>3368 Chillum Rd</td>
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</tr>
<tr>
<td>3366 Chillum Rd</td>
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Project Contact Information

Dwight Joseph
Chief, Construction Division
Department of Public Works and Transportation (DPW&T)
Office of Engineering and Project Management
9400 Peppercorn Place, Suite 400
Largo, Maryland 20774
Phone: (301) 883-5642
E-mail: djoseph@co.pg.md.us
Questions and Concerns