Inwood Forest Stormwater Detention Project

Zahid Mahmood, P.E.
Project Manager

Harris County Flood Control District
Engineering Division

Inwood Forest
Stormwater Detention Project

- A partnership project between the Harris County Flood Control District and City of Houston

- The Flood Control District is developing a plan to:
  - Design and build stormwater detention basins
  - Provide flood damage reduction benefits during heavy storms
  - Mitigate impacts of future public projects as appropriate

HARRIS COUNTY **FLOOD CONTROL DISTRICT**

Property & Project Areas

- 226-acre property, east and west of Antoine Drive, within the Inwood Forest subdivision that was previously a golf course

- Located in the White Oak Bayou and Vogel Creek watersheds

- Property may only be used as parkland, for recreational purposes and for stormwater detention purposes

Project Goal

- The goal for stormwater storage capacity for all of the basins combined is approximately 1,200 acre-feet, for shared use by Harris County Flood Control District and the City of Houston

- The basins will vary in stormwater storage capacity, which is measured in acre-feet
  - One acre-foot is equal to the volume (as in stormwater) that would cover one acre to a depth of one foot, or 43,560 cubic feet (325,850 gallons)

HARRIS COUNTY **FLOOD CONTROL DISTRICT**

Project Status – Phase I

Soon after adoption of an Interlocal Agreement, the Flood Control District will study the site, which involves:

- Surveying
  - Identify property lines adjacent to the project area

  - Mark trees to identify species and assess condition

HARRIS COUNTY **FLOOD CONTROL DISTRICT**

Project Status – Phase I

– Preliminary Engineering

- Prepare a model to determine the potential capacity of each proposed stormwater detention basin

- The goal is to maximize stormwater storage volume, and to complement the basins with trees and areas on site for recreation

Collaboration & Communication

- A partnership between the Harris County Flood Control District and the City of Houston

- The City of Houston will contact neighborhood stakeholders to discuss the design of recreational improvements adjacent to the detention basins

- The Flood Control District will keep the property owners and stakeholders informed of the upcoming activities related to the project

HARRIS COUNTY **FLOOD CONTROL DISTRICT**

Inwood Forest Area Reconstruction Meeting

Jason Samkutty, *Project Manager*

AGENDA

1 **OVERVIEW OF THE PROJECT**

2 **NEXT STEPS**

3 **CONTACT INFORMATION**

Inwood Forest Area Reconstruction
Identified Improvement Needs

Improve storm drainage

Improve pavement conditions and mobility

Improve water and wastewater as needed
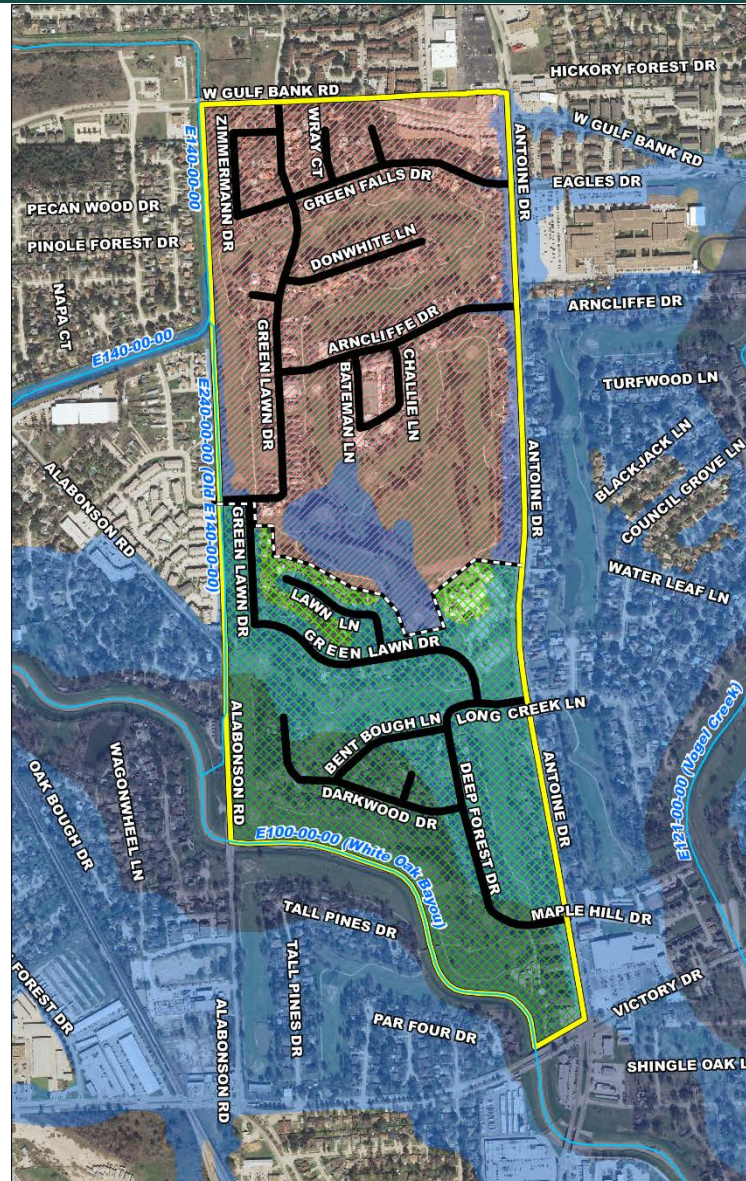
Pedestrian safety and accessibility

Inwood Forest Area Reconstruction
CIP No. M-410025

Project Boundaries:

- West Gulf Bank Road on the north
- HCFCD Unit E140-00-00 and E240-00-00 on the west (Zimmermann and Green Lawn Dr.)
- White Oak Bayou (HCFCD Unit E100-00-00) Victory Drive on the south
- Antoine Drive on the east

Inwood Forest Area Reconstruction
Proposed Cross Section

5' 13.0' 13.0' 5'

Existing 60' Right-of-Way
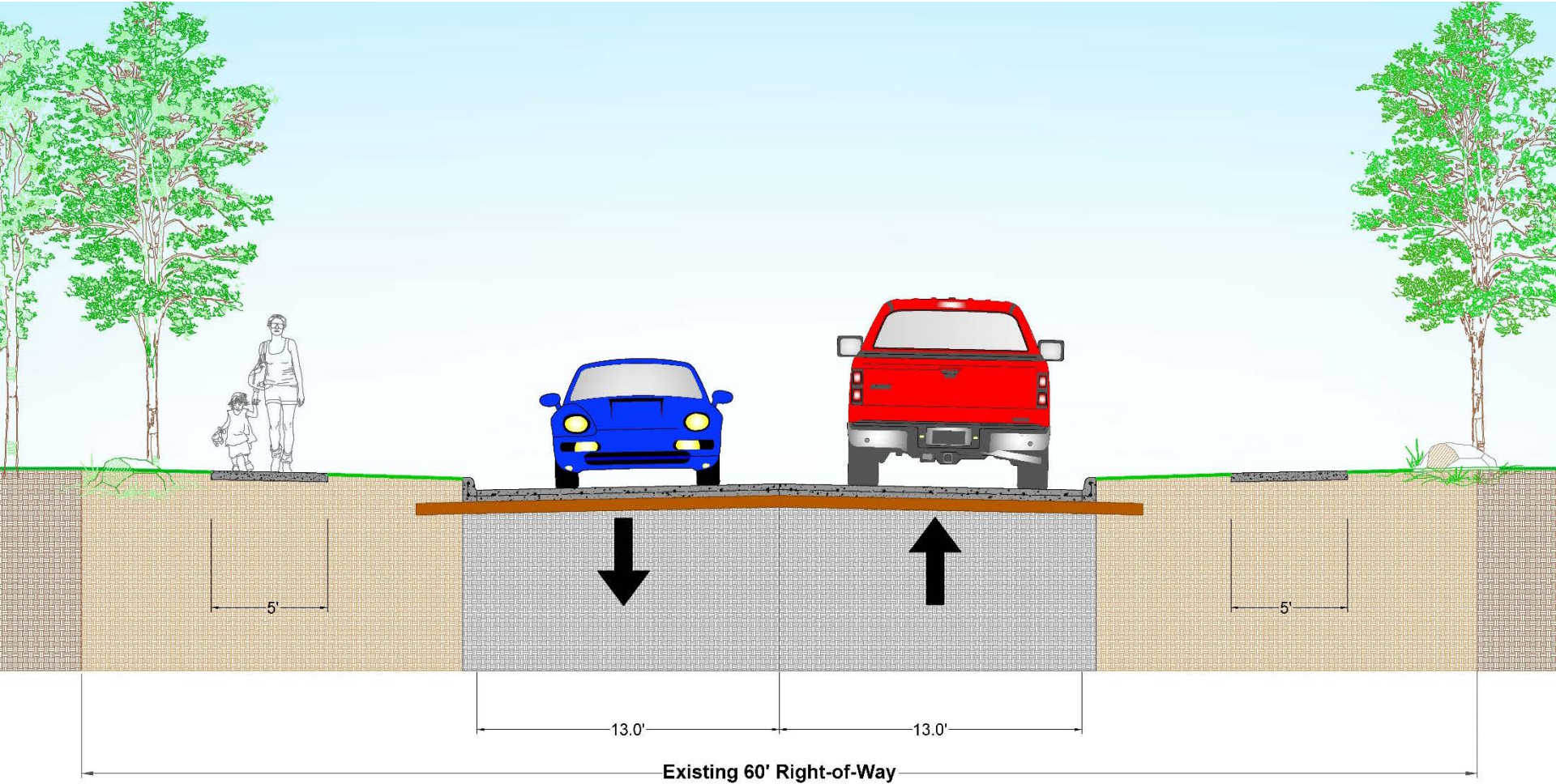
Exhibit - For Discussion Purposes

Inwood Forest Area Reconstruction
Subproject I & Subproject II

Subproject I

Timelines subject to change

| 2013 Planning (Complete) | 2018 Design | 2021 Scheduled Construction | 2023 Anticipated Completion |

Subproject II

| 2013 Planning (Complete) | TBD Design & Funding | TBD Construction Schedule | TBD Completion Date |

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Antoine North & South Reconstruction Update

- For Antoine North (from Victory to Bridge Forest):
  - Currently, we are selecting a consultant and preparing contracts to begin design in Spring 2017
  - Construction is still scheduled for 2020, per the original project timeline shared at the October 20, 2015 Community Meeting.

- For Antoine South:
  - Once Antoine South enters the CIP, we will schedule a separate meeting to update residents on the project.

North Segment

| 2014 Planning | 2017 Design | 2020 Construction | 2022 Anticipated Completion |

Timeline subject to change

South Segment

| 2013-15 Planning | TBD Funding and Design | TBD Construction |

Timeline subject to change
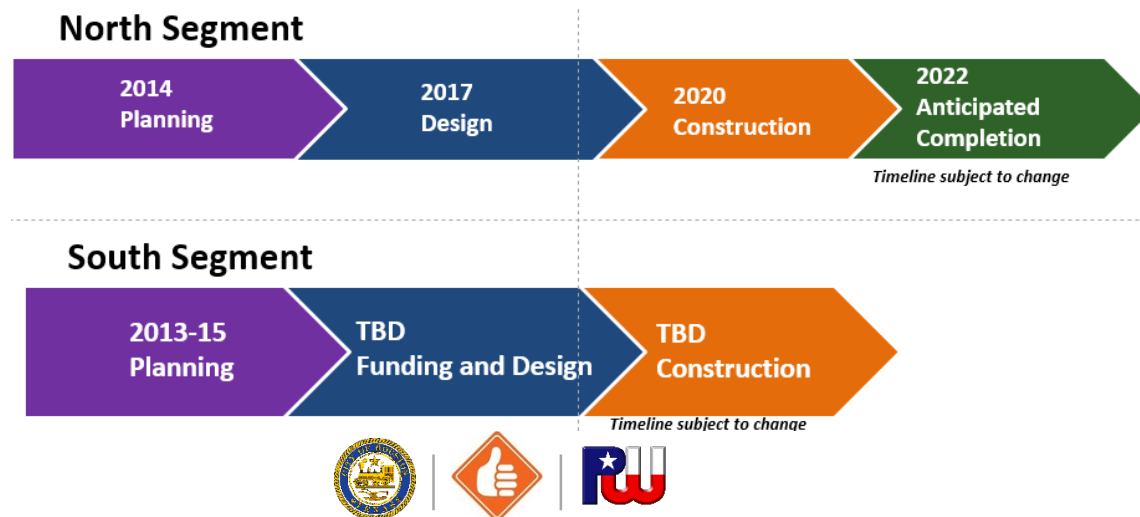
We Want Your Input

Fill out a comment card tonight

Or email us your comments at:
pweplanning@houstontx.gov
www.RebuildHouston.org

YOUR INPUT BY
November 14, 2016
WILL HELP US STAY ON SCHEDULE
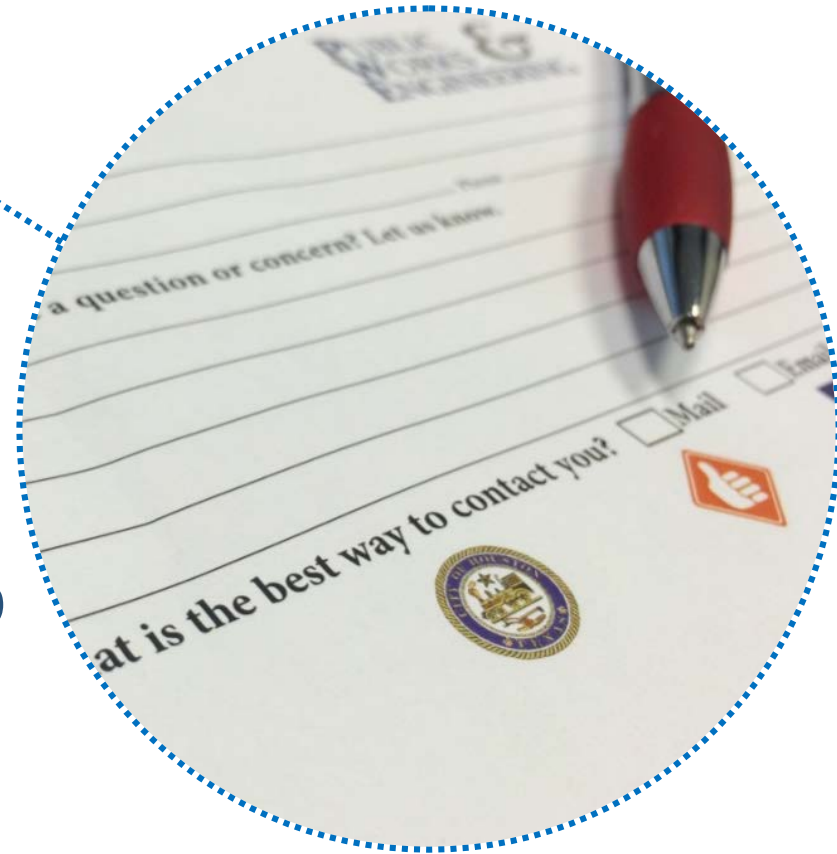
THANK YOU

Please leave your comment cards at the sign-in table.