#### Memorial Drive Mobility & Drainage Improvements Project

**Town Hall Meeting Presentation** 

WBS No. T-1738A



#### **Memorial Drive Improvements**

# INTRODUCTION

Memorial Drive Town Hall Meeting

#### AGENDA

AGENDA ITEMS	SPEAKER	EST. TIME
6:30pm: Welcome & Introductions	John Rickel	5 mins
6:35pm: Overview of Meeting / Agenda	John Rickel	5 mins
6:40pm: Opening Comments from Council Member Oliver Pennington	CM Pennington	5 mins
6:45pm: TIRZ 17 Overview	John Rickel	10 mins
6:55pm: Input Process/Introduction of Engineer	Dave Hamilton	5 mins
7:00pm: Memorial Drive Improvements/ Preliminary Design	Muhammad Ali	30 mins
7:30pm: Question & Answer Session- Board as Required (Submitted on cards or asked from the floor)		60 mins
8:30pm: Breakout sessions with engineers	Dave Hamilton	30 mins
8:40pm: Board convenes in Executive Session to discuss employment matters		

#### **Memorial Drive Improvements**

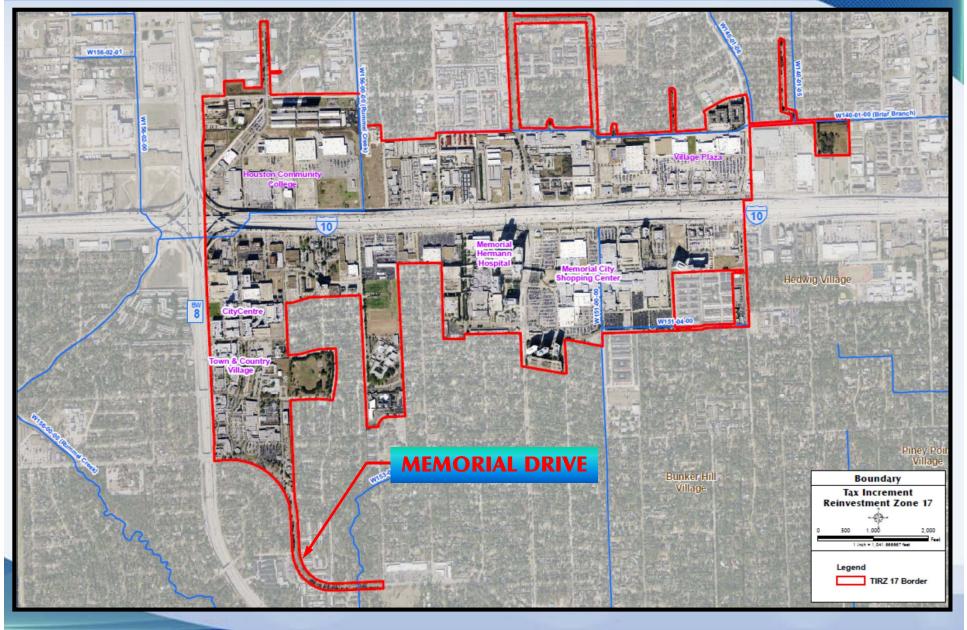
## **TIRZ 17 OVERVIEW**

Memorial Drive Town Hall Meeting

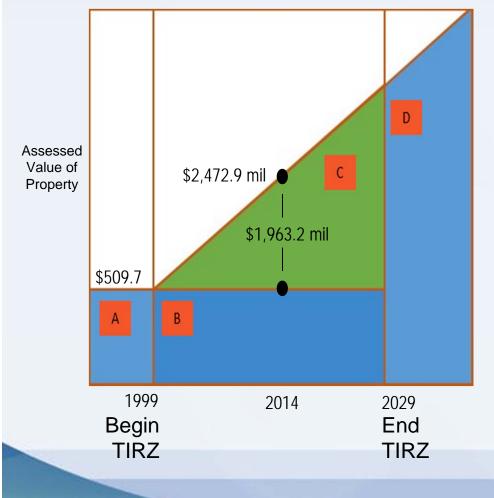
# TAXINCREMENTREINVESTMENTZONE

A Special District created by the City of Houston to promote both new development and re-development within a specific geographic area inside the city limits

#### **TIRZ 17 Boundaries**



#### How a TIRZ works?



- For TIRZ 17, base year is 1999 and assessed value for the property in the Zone was \$509.7 mil - - which is the frozen amount through 2029
- Since 1999, development and increase in property values have increased the assessed value in 2014 to \$2,472.9 mil
- The difference between the present value of \$2,472.9 mil and the base year amount of \$509.7 mil is the increment of \$1,962.2 mil that drives the Zone's revenue
- Zone receives the city tax rate of .63108/\$100\* the incremental value of \$1,963.2 mil, which equals approximately \$12 mil for 2014

## What the TIRZ can do:

- Fund needed public infrastructure to provide drainage and mobility relief to benefit the properties within the TIRZ and the adjacent communities
- Build enhancements and/or amenities into infrastructure projects
- Develop green space for improved quality of life
- Encourage new quality private investment through public improvements



## What the TIRZ cannot do:

- Permit or approve building and development plans
- Exercise eminent domain
- Maintain infrastructure
- Fund improvements projects that do not directly benefit the TIRZ



## What the TIRZ is not:

- A regulatory agency
  - It does not review or approve building or project plans

#### • A Planning Commission

 It does not review zoning or usage proposals and has no input into that process

#### Code Enforcement

 The TIRZ has no role or input in determining if buildings/drainage/detention requirements meet City of Houston rules or regulations

#### Governance

TIRZ 17 Redevelopment Authority is governed by a 7 member Board of Directors. All board members are appointed by the City of Houston.

> Board Members David A. Hamilton, P.E. John Rickel Dr. Bob Tucker Ann Thomas Givens (Chair) Dr. Zachary R. Hodges Brad Freels Glenn E. Airola

#### Governance

- Appointments are made by the Mayor and approved by City Council
- Positions are voluntary and uncompensated
- Board Term is 2 years
- Any Director may be removed with or without cause by the City Council
- Board is subject to both the Open Meetings and Open Records act
- Board is primarily advisory in nature

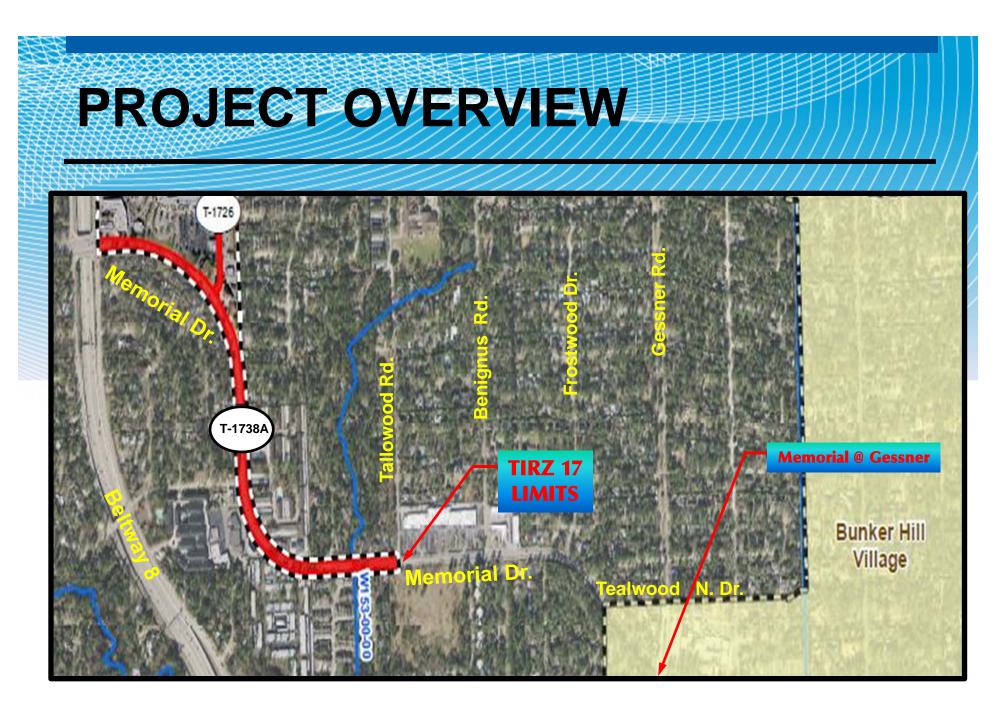
## **Advisory In Nature**

- Budget / 5 Year Capital Improvement Plan (CIP) approved annually by City Council
- All projects must be included in the approved budget
- All contracts subject to review and approval by the City's Chief Development Officer
- Any Bond Issuance/Borrowings must be approved by the City Council
- Any Annexation of property into the zone must be approved by the City Council
- Any Eminent Domain actions have to be handled by the City

#### **Memorial Drive Improvements**

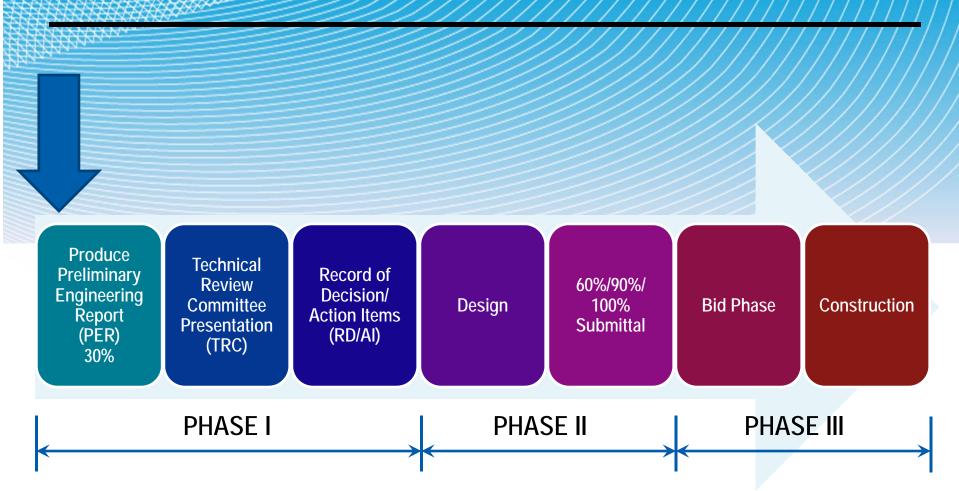
## **MEMORIAL DRIVE**

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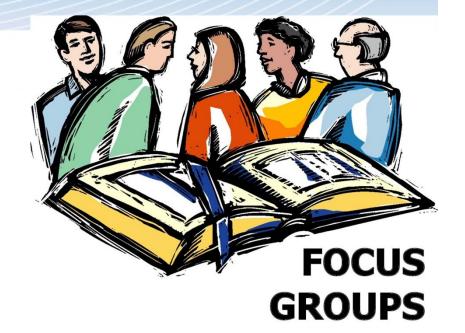
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#### **PROJECT STATUS**



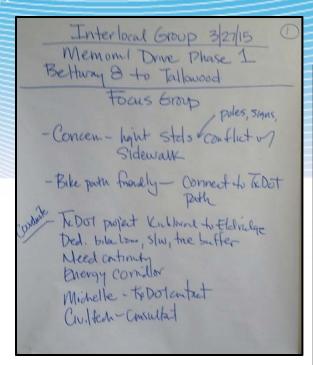
## LOCAL INTERACTION GROUP

- Focus Group met March 27
- Open Dialogue
- Valuable Input
- All Comments Noted and Evaluated

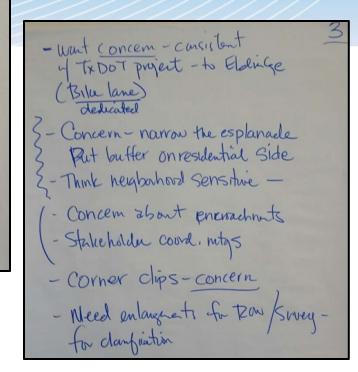


## LOCAL INTERACTION GROUP

#### March 27



Signal locations concern (two)
Tallowood - concern for signal Is one warmted? TIA ->
Why not go to Bunker Hill?
"" Work of COH to complete the project east?
Concerned about transition
Rebuild Tallowood intersection of no widenis of Tallowood
Men Mynt District - question on partychin
Runisle strip - pavers @ crosswalks concern
No deducted fike lare - concern



## LOCAL INTERACTION GROUP

4 Consider shopping center Lane transition area Think the this area - turning moments also Methodist Property Midway Look@ Information - TITZZ 17 guidelines - nequines coord of COH Rublic Works & HEFED - Rupon / Budget \$12-16ml Concern - Safety mobility drainge Children Chassis access hymt Group 3 1000 usplanade YOULD Put Protect In perphility Do not wat hider

-Group-hant buffer between Curb and Sidewate / shared use path Is an optim of smaller resplance optim - Concerned - Signal timing both Intersection - where are detaiting prods South ? - Concern - W153 drain ago Build for fiture apacity Don't ten up rond -Concern - Meth Site drainspe as related to mem. Drive Find another "Solution" to choke pt # Mem Dine / 153 - want copy of map - 10 yr. event

#### March 27

- Condem - Meth Site drainage as relates to mem. Drive - Find another "Solution" to choke pt @ Mem Dive /w153 - Want copy of map - 10 yr, event all attendees - Al Citchiles 1-14 - Primery Concer- lack of attaction to detertion south Need to address! - Work of Rebuild Houston Hallow 10XX0 boo - Inline old - westmuch / Memorial interection

#### **PROJECT OBJECTIVES**



#### **KEY OBJECTIVES**

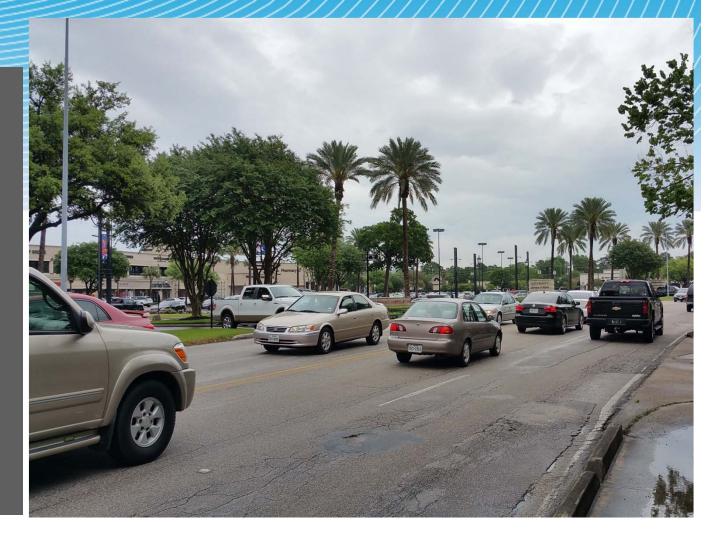
#### KEY OBJECTIVES

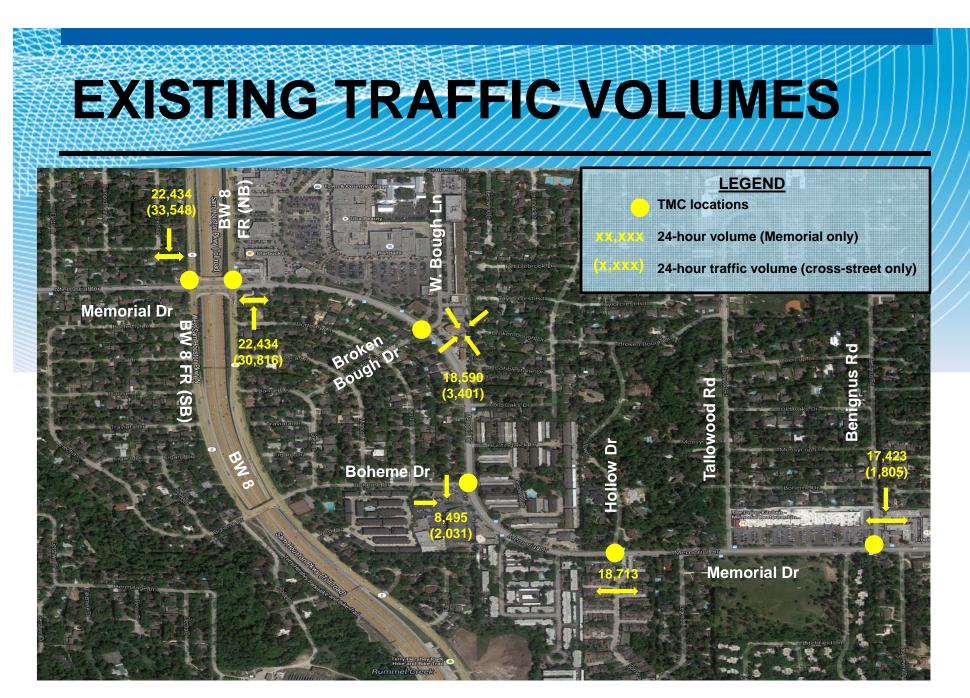
- Improve Safety & Mobility
- Improve Drainage Deficiencies
- Improve Quality of Life

## **EXISTING CONDITIONS**

#### **Existing Roadway**

- 100 foot ROW
- 4-Lanes
- Asphalt Pavement -Poor Condition
- Discontinuous/Substandard 4' Wide Sidewalks
- Open Ditch/Curb & Gutter
- METRO Bus Routes
- Two Traffic Signals-BW 8 & W. Bough Dr.





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### **EXISTING TRAFFIC SIGNALS**

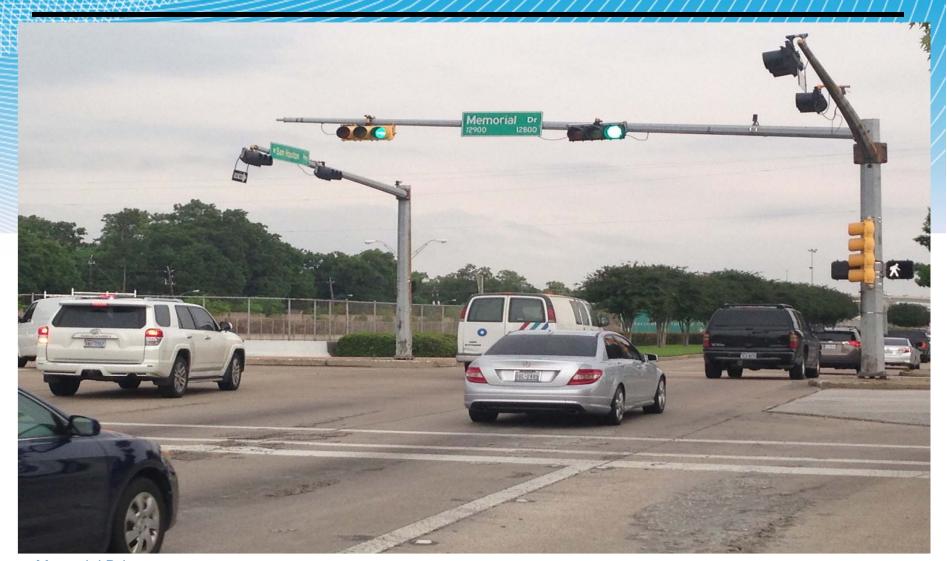


<u>Memorial Drive at Beltway 8-</u> <u>Frontage Road</u>

#### Memorial Drive at W. Bough Lane

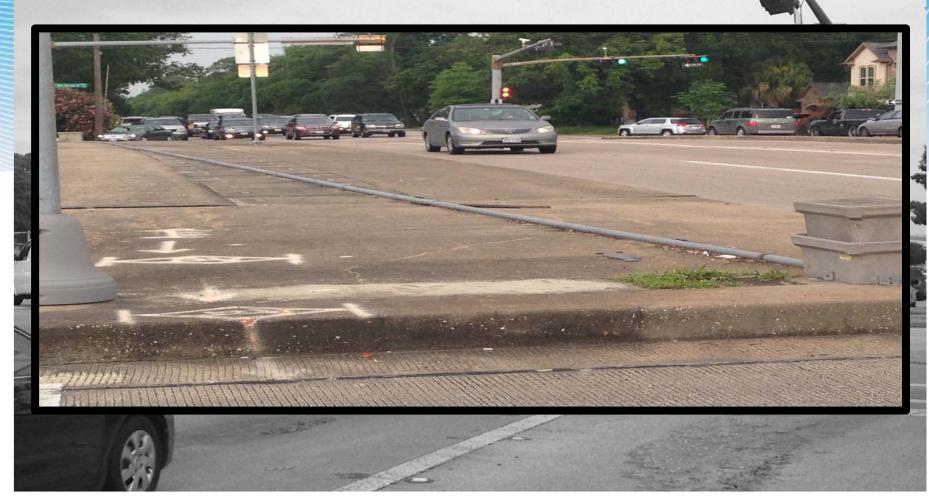


#### **EXISTING TRAFFIC SIGNALS**



Memorial Drive Town Hall Meeting 04/14

## **EXISTING TRAFFIC SIGNALS**



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**Memorial Drive** 04/14/2015 **Town Hall Meeting** 

#### **PROPOSED CONDITIONS**

## ROADWAY ALTERNATIVES

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#### **ALTERNATIVE #1**

#### **30-FOOT MEDIAN**

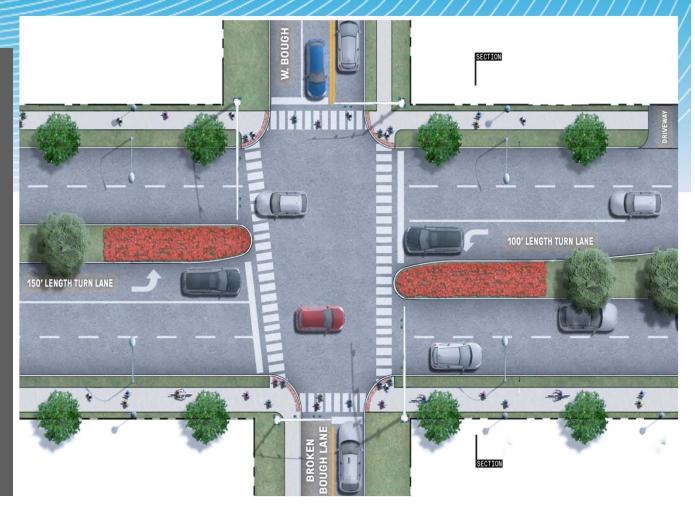
- 100-FT ROW
- 4~11' Lanes
- Concrete Curb and Gutter
- 30-foot Median
- Left Turn Lane Bays
- 10-Foot Wide Shared Use Path (South Side)
- Continuous 6-foot Wide Sidewalks (North side)



#### **ALTERNATIVE #2**

#### 24-FOOT MEDIAN

- **100-FT ROW**
- 4~11' Lanes
- Concrete Curb and Gutter
- 24-foot Median lacksquare
- Left Turn Lane Bays ightarrow
- **10-Foot Wide Shared** Use Path (South Side)
- Continuous 6-foot Wide Sidewalks (North side)



#### **ALTERNATIVE #3**

#### CONTINUOUS LEFT **FURN LANE**

- 100 foot ROW lacksquare
- 4~11' Lanes lacksquare
- 14' Wide Center Turn Lane
- Concrete Curb and Gutter
- **10-Foot Wide Shared** igodolUse Path (South Side)
- Continuous 6-foot Wide Sidewalks (North side)

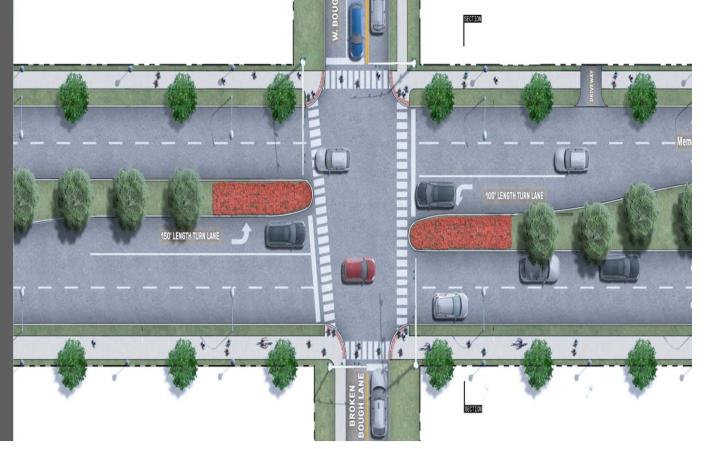


## **RECOMMENDED ALTERNATIVE**

#### **24-FOOT MEDIAN**

#### 24-FOOT MEDIAN

- 100 foot ROW
- 4~11' Lanes
- Concrete Curb and Gutter
- 24-foot Median
- Left Turn Lane Bays
- 10-Foot Wide Shared Use Path (South Side)
- Continuous 6-foot Wide Sidewalks (North side)

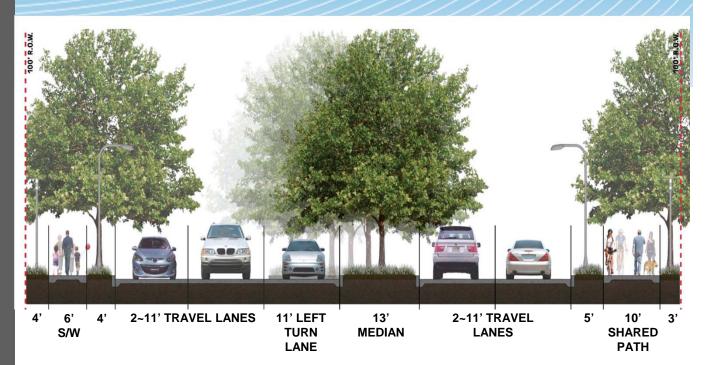


## **RECOMMENDED ALTERNATIVE**

#### **24-FOOT MEDIAN**

#### **24-FOOT MEDIAN**

- 100 foot ROW
- 4~11' Lanes
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## **RIGHT-OF-WAY NEEDS**

No Right of Way Acquisition Required
 — Existing 100-foot ROW

Only One Corner Clip Needed
 W. Bough at Memorial (20'x20')

### **RIGHT-OF-WAY NEEDS**



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### **PROPOSED TRAFFIC IMPROVEMENTS**

### Upgrade Both Existing Traffic Signals

- Current City Standards
- New Mast Arms
- Audible Push Buttons
- Countdown Signal Heads

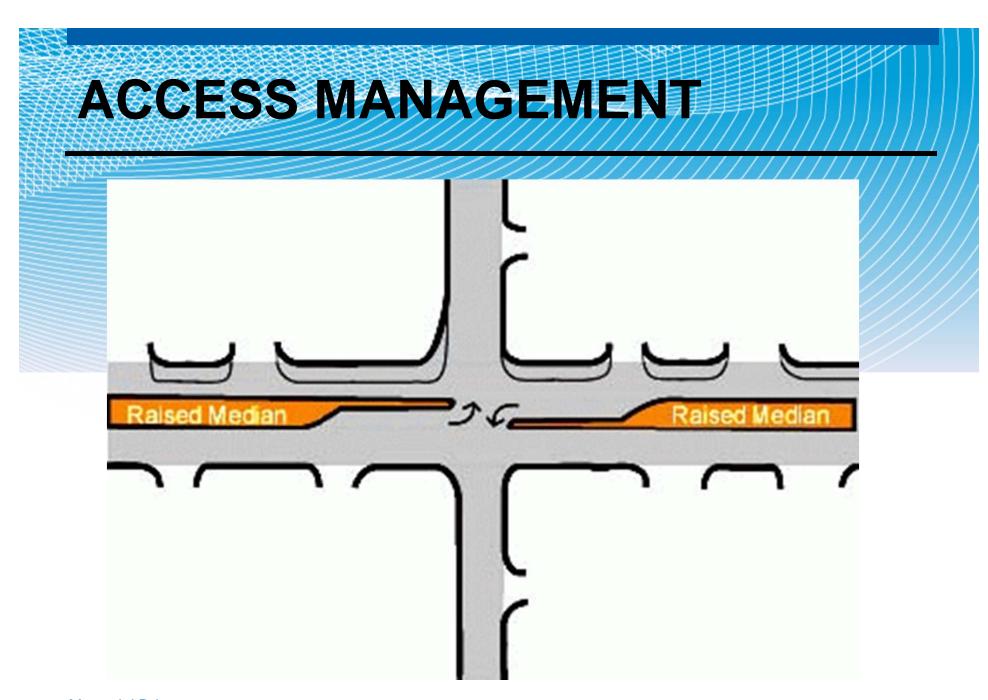
### Improve Safety with Larger Left Turn Bays



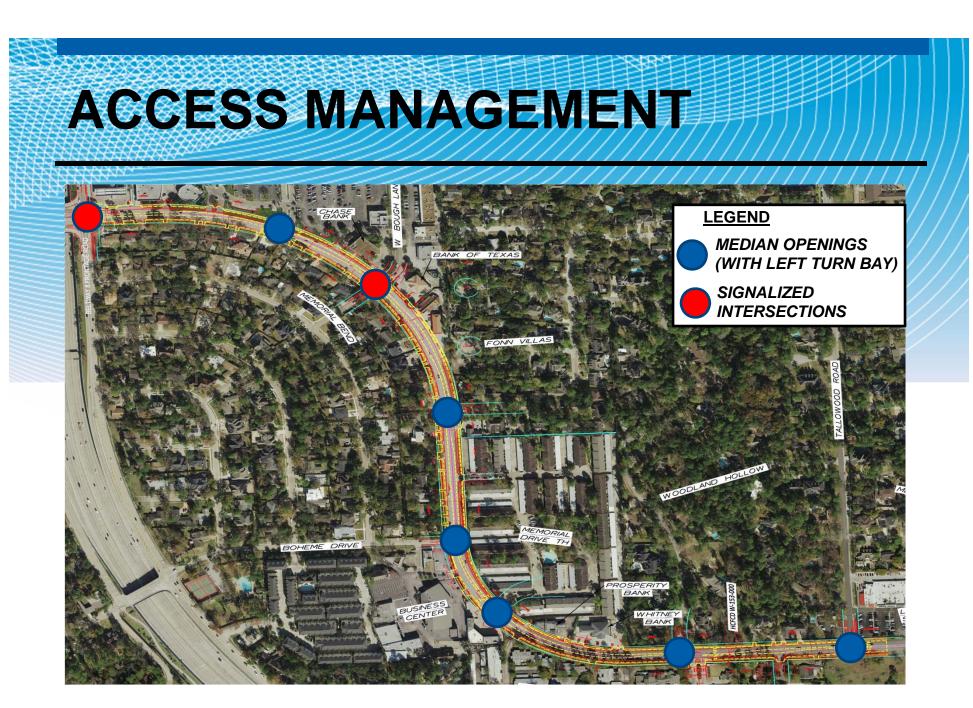
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### **ACCESS MANAGEMENT**

- Median Openings at Key Locations (5 Locations)
  - -Locations based on Access Management Study
    - Turning Movement Counts
    - City Minimum 600' Spacing
- Left Turn Bays to Allow Safe Queuing
  - 100' to 220' Long Bays for Proper Vehicle Storage

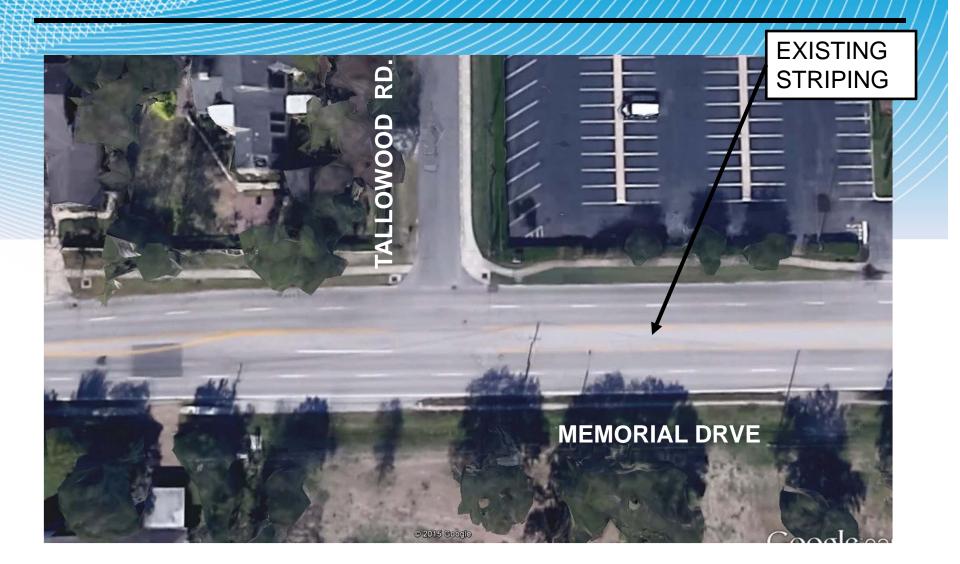


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## TRANSITION TO EXISTING



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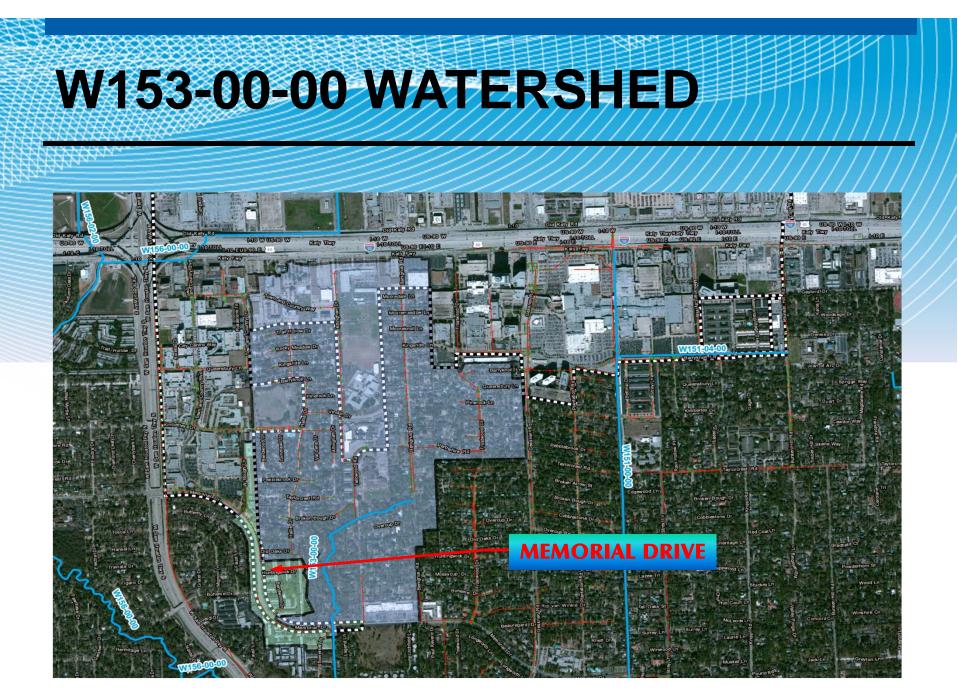
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### **Memorial Drive**

#### **KEY OBJECTIVES**

Improve Safety & Mobility

- Improve Drainage Deficiencies
- Improve Quality of Life

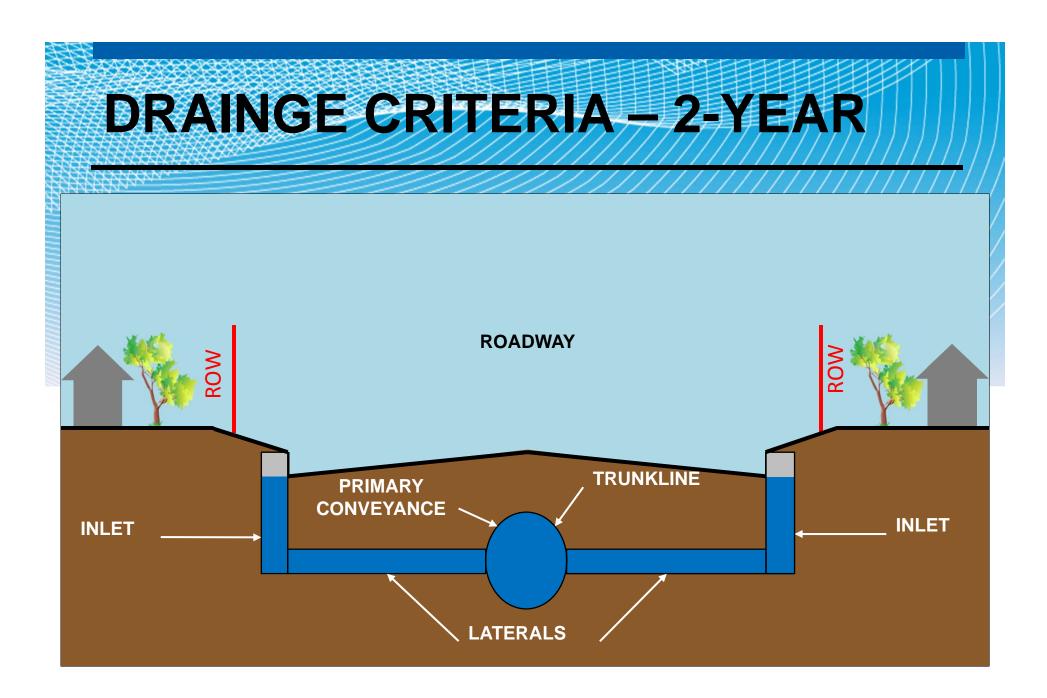


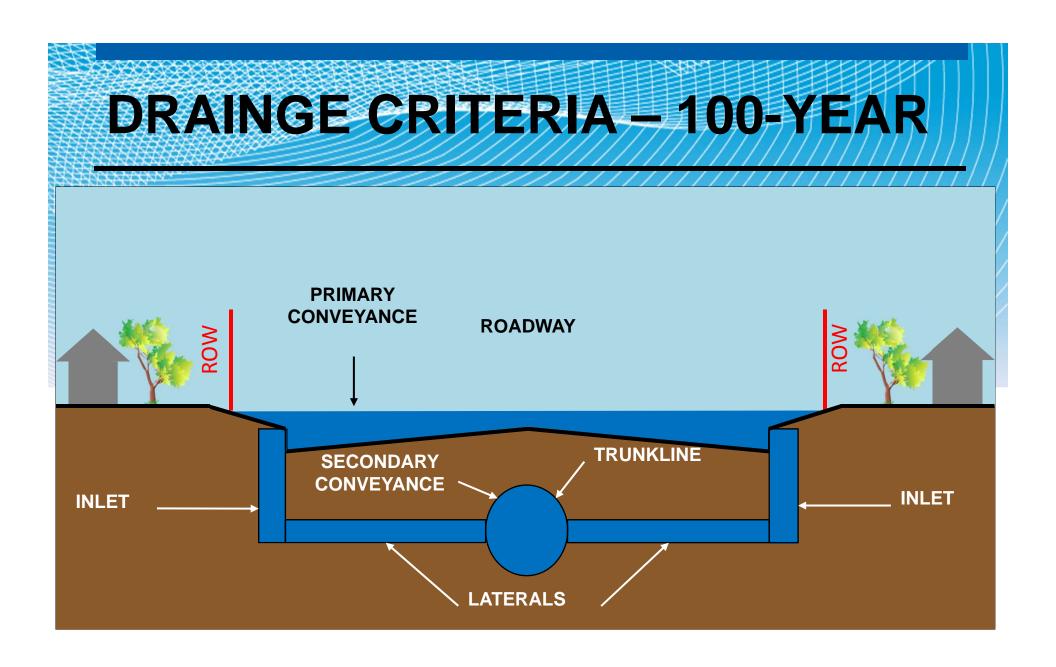
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### **PROPOSED CONDITIONS**

# DRAINAGE DEFINITIONS

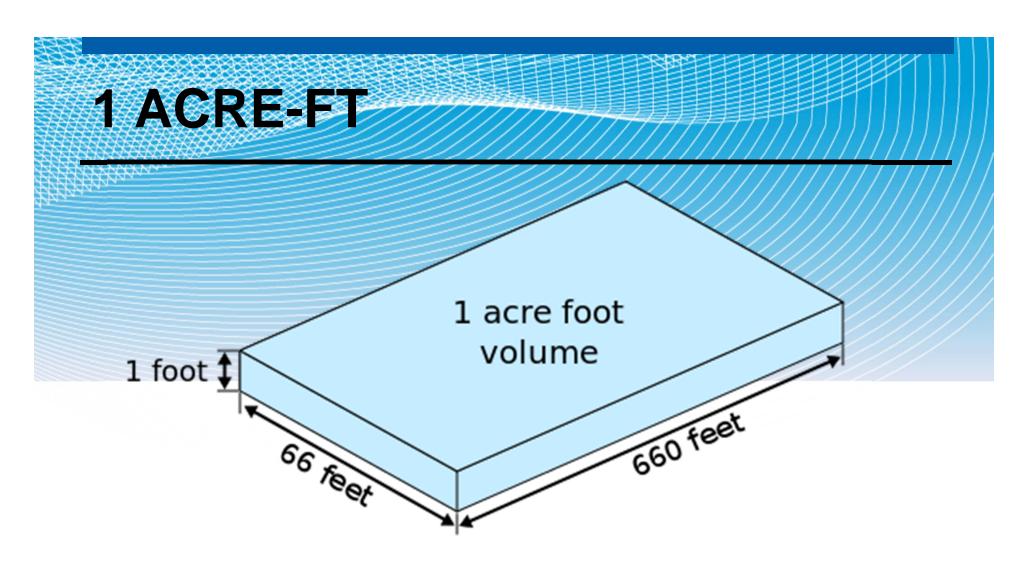
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- 1 acre-foot = 43,560 Cubic Feet
- 1 acre-foot = approx. 326,000 Gallons

(Note, 1 football field = 6,400 square yard = 1.3 acres)

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### **EXISTING DRAINAGE**

#### EXISTING DRAINAGE

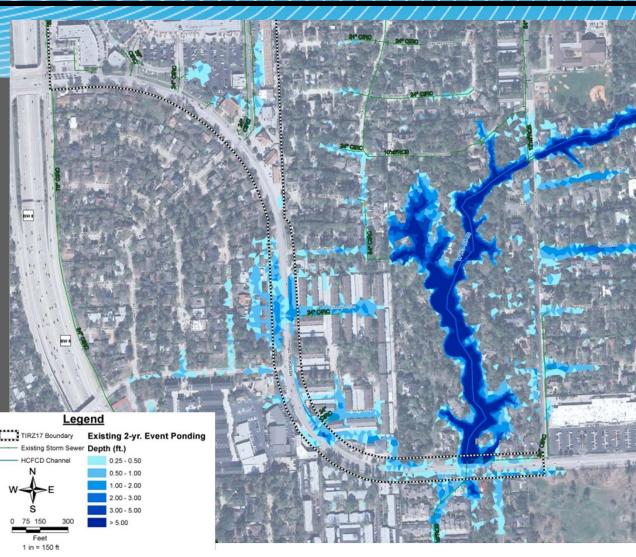
- HCFCD W153-000
- Existing 9'x9' Box Culverts under Memorial Drive
- Combination Roadside Ditches and Curb & Gutter



### **EXISTING CONDITIONS - 2-YEAR EVENT**

#### EXISTING DRAINAGE

- Does Not Meet City's 2-yr/100 year Criteria
- Inadequate Side Ditches & underground storm sewers
- Surrounding area Prone to Flooding



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Legend

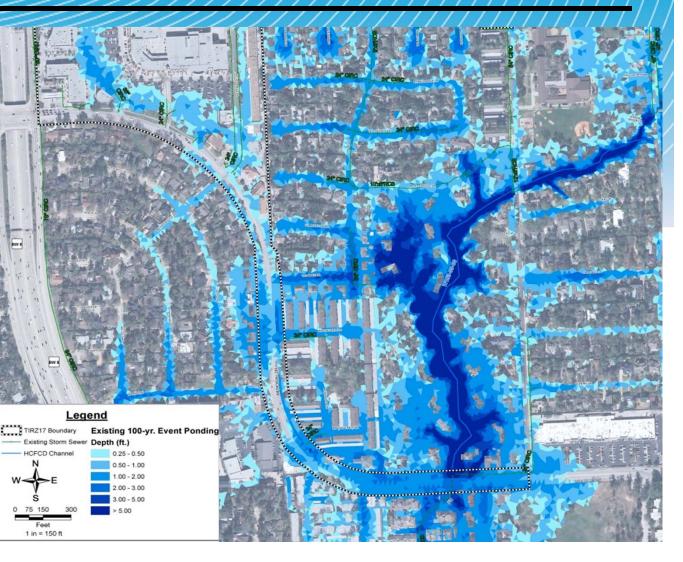
HCECD Channe

1 in = 150 ft

### **EXISTING CONDITIONS - 100-YEAR EVENT**

#### EXISTING DRAINAGE

- Does Not Meet City's 2-yr/100 year Criteria
- Inadequate Side Ditches & underground storm sewers
- Surrounding area Prone to Flooding



1 in = 150 ft

### **DRAINAGE IMPROVEMENTS**

#### PROPOSED IMPROVEMENTS

- Dual 10'x10' Concrete Boxes
- 10 year level of protection
- 10+ acre/feet subsurface detention
- Reduction in area flooding

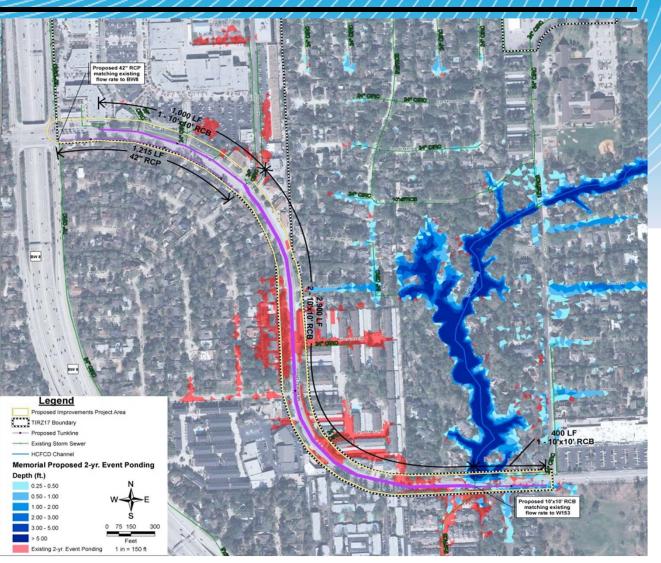


### **DRAINAGE IMPROVEMENTS**

#### PROPOSED 2-Year Event

#### PROPOSED IMPROVEMENTS

- Dual 10'x10' Concrete Boxes
- 2 year storm event compliant
- 10+ acre/feet net subsurface detention
- Reduction in area flooding



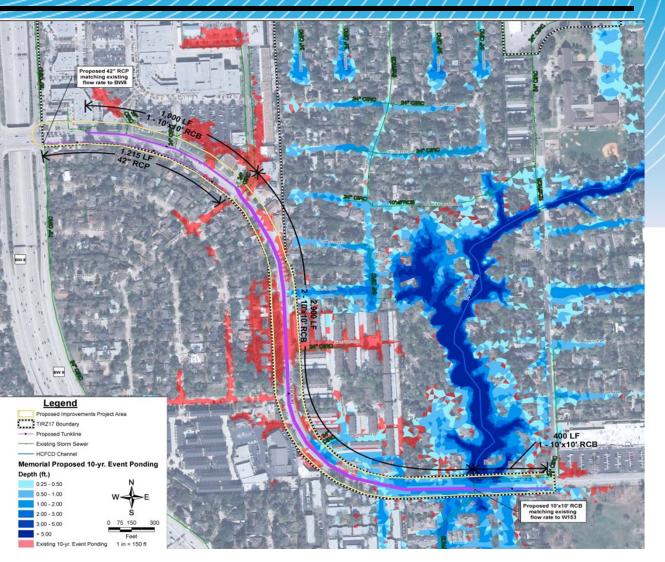
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### **DRAINAGE IMPROVEMENTS**

#### PROPOSED 10-Year Event

#### PROPOSED IMPROVEMENTS

- Dual 10'x10' Concrete Boxes
- 10-year level of protection
- 10+ acre/feet net subsurface detention
- Reduction in area flooding



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### **Memorial Drive**

#### **KEY OBJECTIVES**

- Improve Safety & Mobility
- Improve Drainage Deficiencies
- Improve Quality of Life

### QUALITY OF LIFE

#### SHARED USE PATH

- **Context Sensitive EO**
- Pedestrian Lighting
- Hardscape/Softscape
- 24-foot Median lacksquare
- Continuous Sidewalks ightarrow
- Multi Use Path



### QUALITY OF LIFE

#### TxDOT PATH

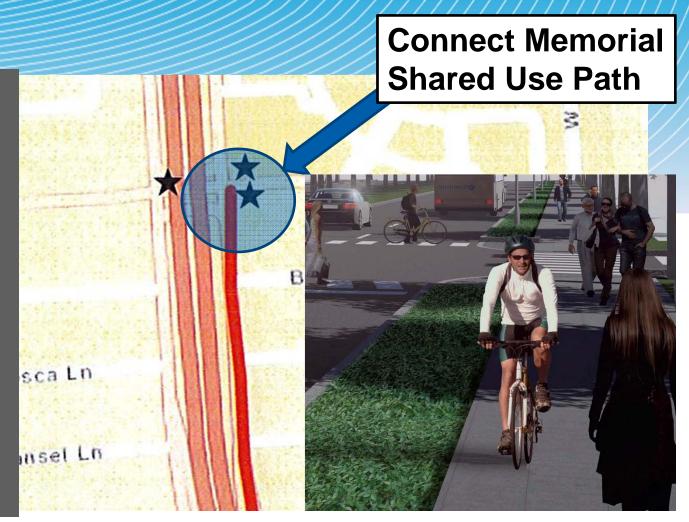
- Current TxDOT Project
- 8-foot Wide
- From Terry Hershey Park to Memorial Drive
- Preliminary Design

#### **PROPOSED W BELTWAY 8** SHARE USE PATH PLAN AND CONNECTIVITY Perthshire Re Pebblebrook Di Pebblebrook Dr Taylor crest Rd Taylorcrest Rd Memorial \* Broken Bough Of dd Tosca Ln Hansel Lo Id Oaks D Traviata D untingwick Dr Figaro D inod Rd Creek R Memoria Boheme Di Hermitage Bayou Glen Rd HOUSTON DISTRICT Legend Metro Bus Stops **Existing Bike Facilities** Share Use Path Proposed by TxDOT

### QUALITY OF LIFE

#### TxDOT PATH

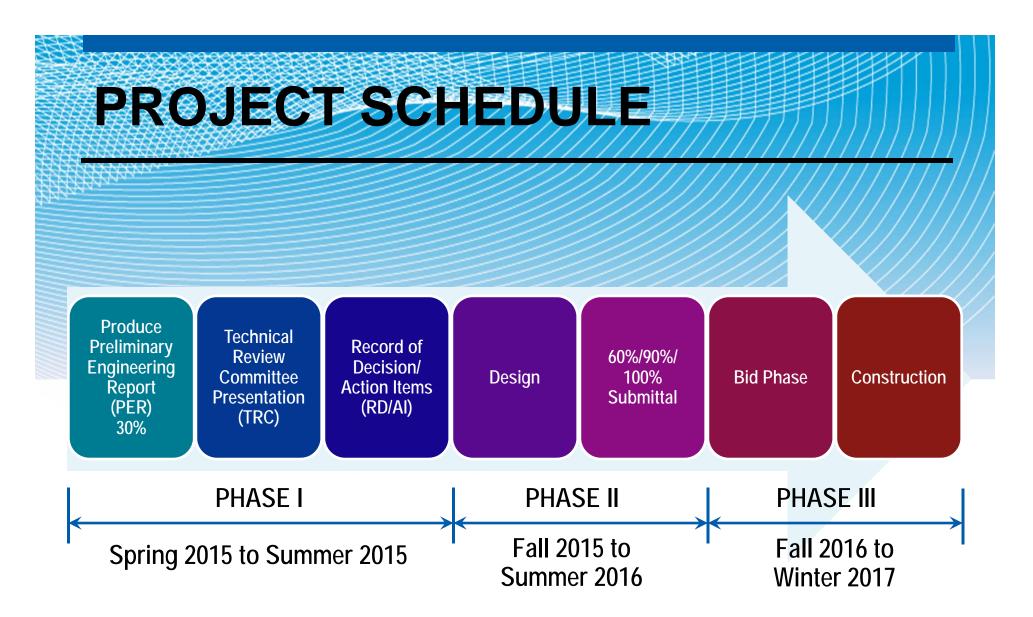
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### **KEY OBJECTIVES**

- Improve Safety & Mobility
- Improve Drainage Deficiencies
- Improve Quality of Life





# Questions/ Comments

