



# **Capital Project Proposals for TDCs**

*City of Fort Worth Capital Projects  
Recommended for Transportation  
Development Credits*

*September 24, 2018 (Rev)*

# TDCs Available for FY 2019

Entity	Balance of TDCs Awarded in 2017 <sup>1</sup>	Proposed TDCs to be Awarded in 2018 <sup>1,2</sup>	Total TDCs Available Through FY 2019 <sup>1</sup>
City of Arlington	5.0	2.5	7.5
City of Dallas	7.6	4.0	11.6
City of Fort Worth	8.0	4.0	12.0
City of Grapevine	3.0	1.5	4.5
City of Lewisville	2.4	1.5	3.9
City of McKinney	3.0	1.5	4.5
City of Mesquite	3.0	1.5	4.5
City of Plano	4.8	2.5	7.3
City of Richardson	3.0	1.5	4.5
DCTA	1.3	2.5	3.8
FWTA (Trinity Metro)	7.1	4.0	11.1
City of Duncanville	N/A	1.5	1.5
City of Coppell	N/A	1.5	1.5
City of Farmers Branch	N/A	1.5	1.5
City of Garland	N/A	2.5	2.5

Notes:

1 Credits represents in millions

2 Awarded based on population

# Recommended Projects for TDCs

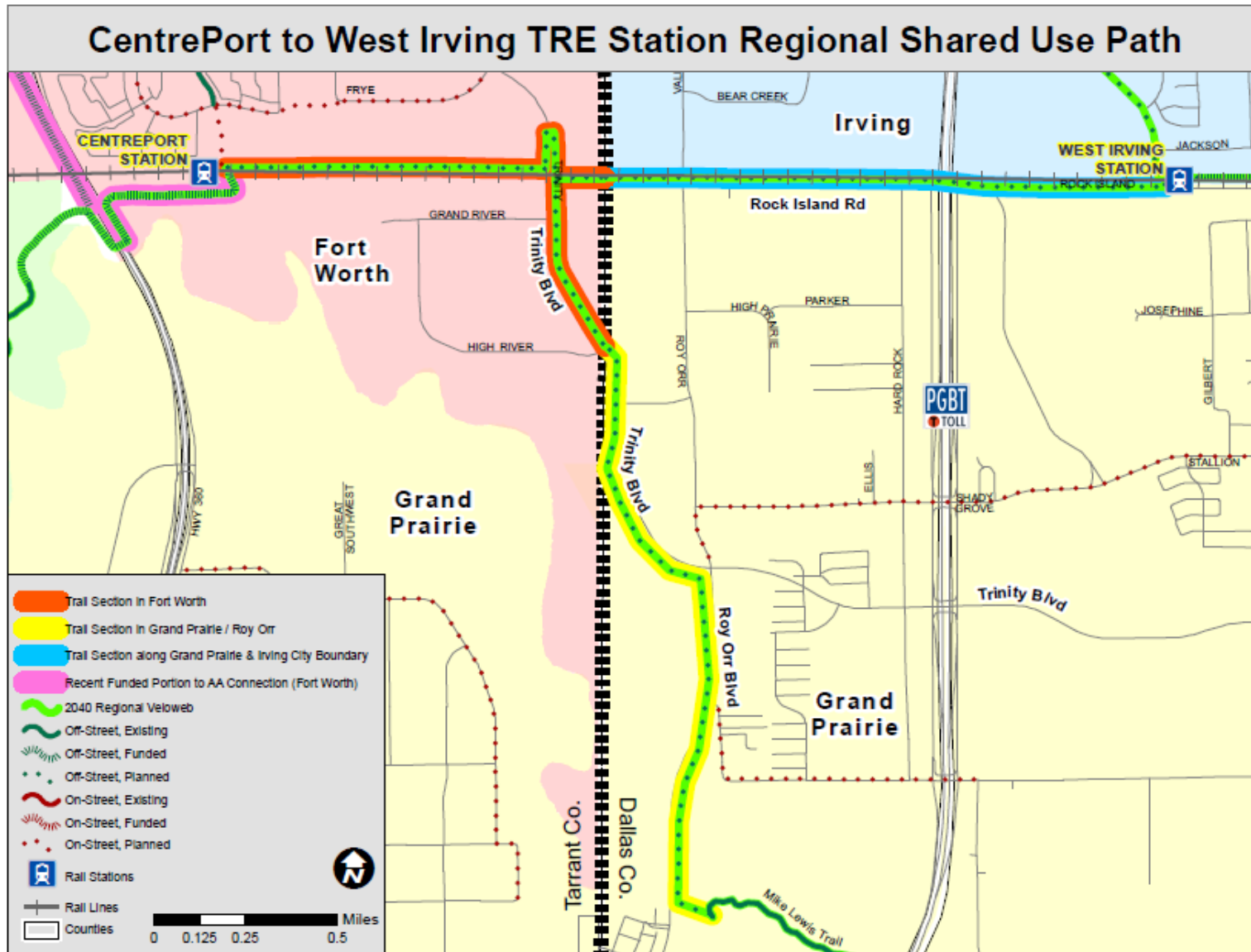
Proposed Project for TDCs	TDC Request	Grant Request
CentrePort Trail Phase 2 to Grand Prairie Segment	\$1,082,422	\$5,412,111
Horne Street Complete Streets Project	\$1,563,259	\$7,816,295
University Drive Complete Streets Project	\$1,616,719	\$8,083,595
Meacham Airport Turn Lanes Project	\$237,600	\$1,188,000
Heritage Trace Parkway Railroad Crossing	\$7,500,000	\$37,500,000
<b>PROJECTS TOTAL</b>	<b>\$12,000,000</b>	<b>\$60,000,001</b>



# **CentrePort Trail Phase 2 Fort Worth to Grand Prairie Segment**

# CentrePort to West Irving TRE Station

## Fort Worth Segment Phase 2



# CentrePort Trail Phase 2 Fort Worth to Grand Prairie Segment

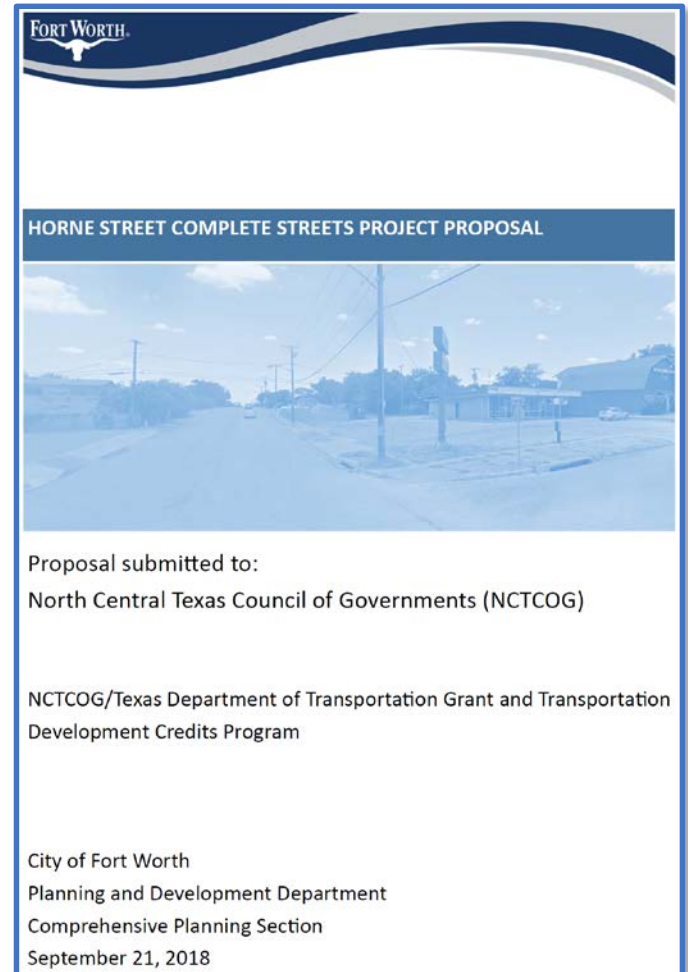
\$5,412,111 Estimate

\$1,082,422 in TDCs

CentrePort Trail - Phase 2 FW Segment Preliminary Cost				
Item	QTY	UNIT	UNIT PRICE	price
<b>Construction</b>				
Mobilization	1	LS	\$ 150,000	\$ 150,000
Rail Crossing	1	LS	\$ 200,000	\$ 200,000
Platform Modification	1	LS	\$ 200,000	\$ 200,000
railroad security fence (8FT)	6,000	LF	\$ 150	\$ 900,000
flagger	150	DAY	\$ 1,000	\$ 150,000
12FT Conc Trail and Grading	9,600.0	LF	\$ 150	\$ 1,440,000
Demo existing sidewalk along Trinity (2,500 FT x 5FT)	12,500	SF	\$ 3.50	\$ 43,750
retaining wall along Trinity	2,750	SF	\$ 120	\$ 330,000
pedestrian rail	550	LF	\$ 100	\$ 55,000
retaining wall under bridge	1	LS	\$ 400,000	\$ 400,000
striping intersection	5	EA	\$ 10,000	\$ 50,000
steel bridge (250FT)	1	LS	\$ 625,000	\$ 625,000
911 Post	5	EA	\$ 1,500	\$ 7,500
Culvert Modification	1	LS	\$ 50,000	\$ 50,000
<b>Subtotal</b>				<b>\$ 4,451,250</b>
<b>Contingency</b>	<b>15</b>	<b>%</b>	<b>\$ 667,688</b>	<b>\$ 667,688</b>
		<b>Construction Subtotal</b>		<b>\$ 5,118,938</b>
<b>Final Engineering</b>				
(2.5% of Construction Cost)	1	LS	\$ 127,973	\$ 127,973
<b>ROW Acquisition</b>				
length	2,500	LF		
width	15	LF		
area	37,500	SF		
land value	37,500	\$/SF	\$ 4.00	\$ 150,000
appraisal fee	2	EA	\$ 3,000	\$ 6,000
appraisal review fee	2	EA	\$ 600	\$ 1,200
Acquisition service fee	2	EA	\$ 4,000	\$ 8,000
		<b>ROW Acquisition subtotal</b>		<b>\$ 165,200</b>
		<b>Total</b>		<b>\$ 5,412,111</b>

# Horne Street Complete Streets Project

For additional information, see updated Horne Street Complete Streets Project proposal packet of September 21, 2018





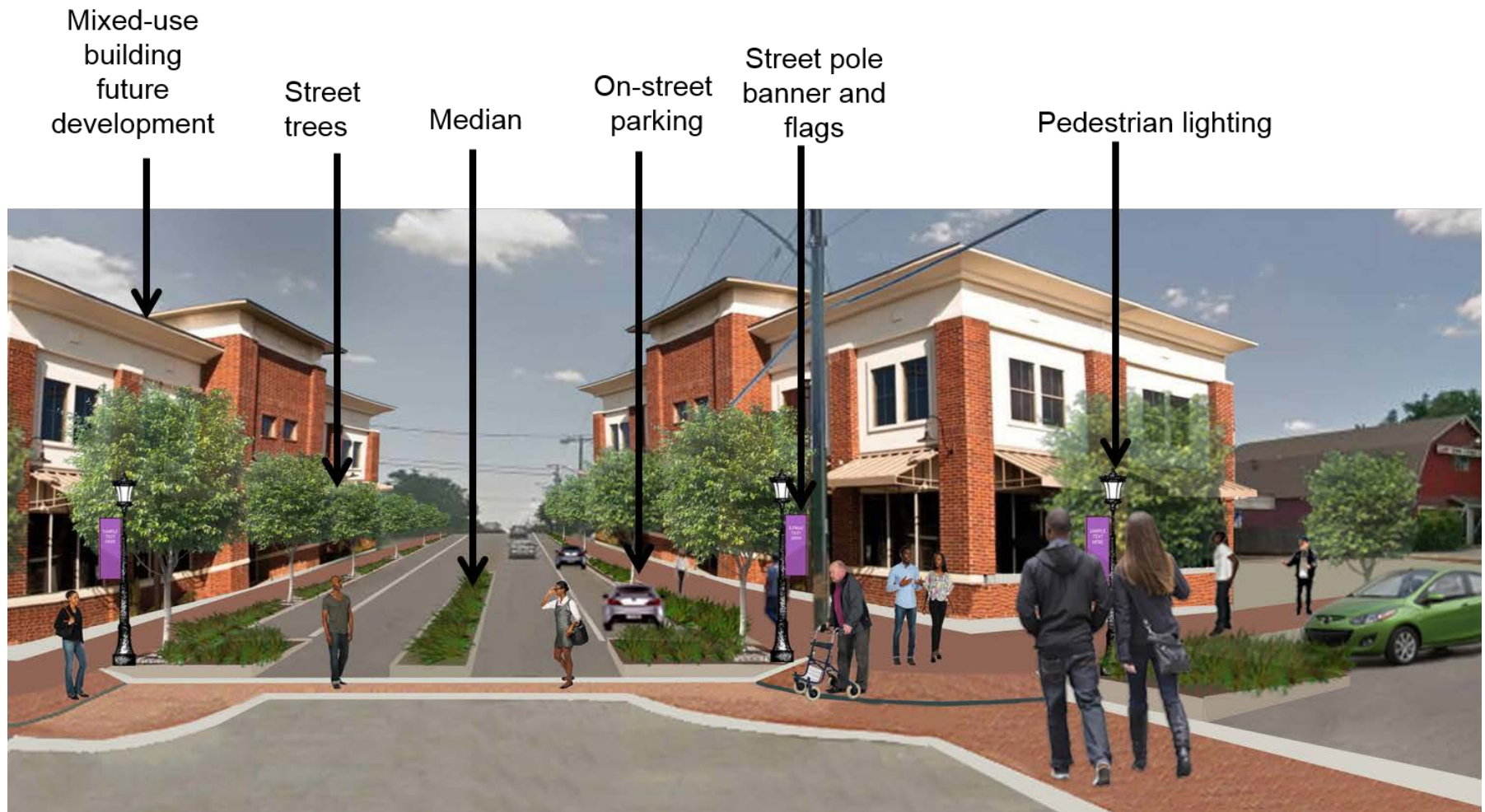
# Horne Street Complete Streets Project

Camp Bowie Blvd.  
to Vickery Blvd.



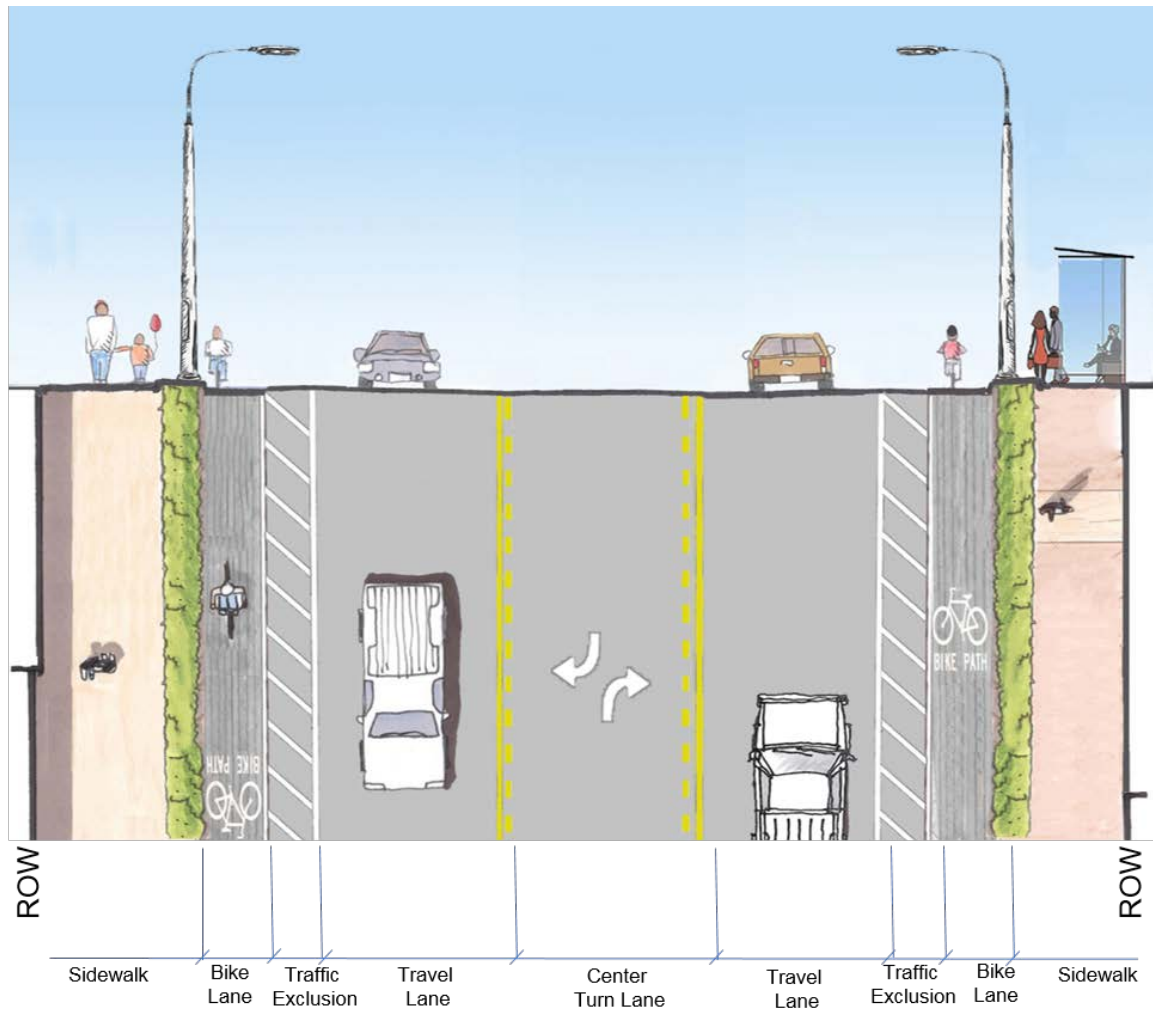


# Horne Street Complete Streets Project



Horne Street Mixed-Use District Concept

# Horne Street Complete Streets Project



# Horne Street Neighborhood District Concept

# Horne Street Complete Streets Project



Horne Street Schools Zone Concept



# Horne Street Complete Streets Project

Camp Bowie Blvd. to Vickery Blvd.

\$7,816,295 Estimate

\$1,563,259 in TDCs

Horne Street Budget Estimate				
Proposed Improvements	UNIT	QUANTITY	COST/UNIT	SUBTOTAL
<b>Design Phase</b>				
Engineering Design/ Construction Management (35% Construction)	Percent	1.00	\$ 1,528,179.16	\$ 1,528,179.16
Environmental Review	LS	1.00	\$ 85,000.00	\$ 85,000.00
Subtotal				\$ 1,613,179.16
<b>Construction Phase</b>				
<b>Horne Street North (Lovell to Donnelly)</b>				
Demolition of existing curb & gutter	LF	1215.62	\$ 15.00	\$ 18,234.30
Replacement of existing curb and gutter	LF	1215.62	\$ 35.00	\$ 42,546.70
Crosswalks (enhanced)	LF	482.13	\$ 40.00	\$ 19,285.20
Parallel on-street parking (striping and signage)	LF	3311.46	\$ 3.00	\$ 9,934.38
Subtotal				\$ 90,000.58
<b>Pedestrian Lights (Camp Bowie to Donnelly)</b>				
Pedestrian lights (Berry Street Model)	FA	20.00	\$ 7,000.00	\$ 140,000.00
<b>Horne Street- School Zone (Kilpatrick to Blckmore)</b>				
Drill Shaft (Foundation)	LF	2142.43	\$ 15.00	\$ 32,136.45
Conduit and Conduit C	LF	2142.43	\$ 35.00	\$ 74,985.05
Electric Conductor Insu				
Ground Box	EA	2.00	\$ 250,000.00	\$ 500,000.00
Electrical Service	LS	1.00	\$ 5,000.00	\$ 5,000.00
Crosswalks (enhanced)	LF	199.85	\$ 40.00	\$ 7,994.00
Subtotal				\$ 620,115.50
<b>Landscaping</b>				
Trees (45 gallon)				
Tree grates	LF	25318.30	\$ 20.00	\$ 506,366.00
Landscape irrigation sy	EA	8.00	\$ 500.00	\$ 4,000.00
Rain garden/bioswales	LF	1194.68	\$ 3.00	\$ 3,584.04
Benches	LF	6864.00	\$ 20.00	\$ 137,280.00
Trash Receptacles (2 p	LS	1.00	\$ 250,000.00	\$ 250,000.00
5' wide Asphalt Pavement Repair	LF	6864.00	\$ 84.33	\$ 578,841.12
ADA curb ramps (Lovell to Fernander)	EA	72.00	\$ 2,700.00	\$ 194,400.00
Bike Lane Legend (est.)	EA	10.00	\$ 300.00	\$ 3,000.00
Subtotal				\$ 1,677,471.16
<b>Sidewalk (Lovell to Fern</b>				
Demolition of existing				
to Fernander)				
Signal Improvements				
Camp Bowie & Horne Street	LS	1.00	\$ 350,000.00	\$ 350,000.00
Vickery & Horne Street	LS	1.00	\$ 250,000.00	\$ 250,000.00
Subtotal				\$ 600,000.00
<b>CONSTRUCTION MGMT/ INSPECTION/ ETC.</b>				
Mobilization (barricades, etc.)	LS	1.00	\$ 151,313.00	\$ 151,313.00
Temporary Construction Easements	LS	1.00	\$ 62,750.00	\$ 62,750.00
Construction Management	LS	11.33	\$ 4,500.00	\$ 50,985.00
Construction Contingency (30% Construction Cost)	LS	1.00	\$ 1,309,867.85	\$ 1,309,867.85
Material Soil Testing (est. 2% construction)	LS	1.00	\$ 87,324.52	\$ 87,324.52
Inspection (est. 4% construction)	LS	1.00	\$ 174,649.05	\$ 174,649.05
Subtotal				\$ 1,836,889.42
<b>Total Construction Cost</b>				
			\$ 4,366,226.16	
<b>TOTAL COST ESTIMATE (Design + Construction + Management)</b>				
				\$ 7,816,294.73

# Horne Street Complete Streets Project

## PROJECT COST SCHEDULE BY PHASE

	<u>Cost</u>	<u>Start</u>	<u>Completion</u>
<b>PHASE 1:</b> PS&E, Environmental Review, and Right-of-way Costs	\$1,613,179	November 1, 2019	December 31, 2020
<b>PHASE 2:</b> Construction Phase	\$4,366,226	January 1, 2021	May 31, 2022
<b>PHASE 2 (cont'd.):</b> Construction, Management/Inspection/ Etc.	\$1,836,889	May 1, 2021	May 31, 2022
<b>PHASE 3:</b> Project Close-Out	N/A	June 1, 2022	August 31, 2022
<b>TOTAL COSTS:</b>	\$7,816,295		

# Horne Street Complete Streets Project

## PROPOSED PROJECT SCHEDULE

	2019	2019	2019	2019	2020	2021	2021	2022	2022
PROJECT PHASES	May	June - Sept.	Oct.	Nov. - Dec.	Jan. - Dec.	Jan. - Apr.	May - Dec.	Jan. - May	June - Aug.
-NCTCOG TIP -NCTCOG Interlocal Agreement -TxDOT LPAFA*	TIP Modification Cycle	Interlocal Agreement & LPAFA							
NCTCOG Notice to Proceed (NTP)									
-Preliminary Engineering Design Advertisement -Contract Execution									
Preliminary Engineering Design Phase									
Environmental Review									
-Construction Bid Advertisement -Contract Execution									
Construction Phase									
Project Close-Out									

\*Local Project Advanced Funding Agreement (LPAFA)





# **University Drive Complete Streets Project**

# University Drive Complete Streets Project

Trail Drive to  
Rosedale Bridge  
\$8,083,595 Estimate  
[\\$1,616,719 in TDCs](#)

For additional information, see  
updated University Drive  
Corridor and Gateway Strategy  
Study by the Community Design  
Center of Fort Worth

# University Drive Complete Streets Project

## Cultural Gateway



Landscaped medians to improve aesthetics and support access management along corridor



Landscaping used to provide screening along parking lots visible from public right-of-way



Pedestrian crossings and traffic signal will improve access from Trinity Park and enhance access to cultural attractions



Connecting sidewalks on both sides will encourage connections from BRIT and Trinity Park



Enhanced entry with pedestrian activated crossing signals will support connectivity to and awareness of Botanical Gardens



Repair trail within Trinity Park



Connect Trinity Park trail to



Provide pedestrian crossing at [unclear] Road to connect [unclear] to Botanical Gardens



Use wayfinding to redirect bicycle and pedestrian access to Commercial Core via Old University Drive and Trinity Trail connection



Reconstruct broken curbs and islands within this segment

## Commercial Core



Incorporate treatments and activities under bridge areas



Soften the corridor underpasses with trees and landscaping where appropriate access to light



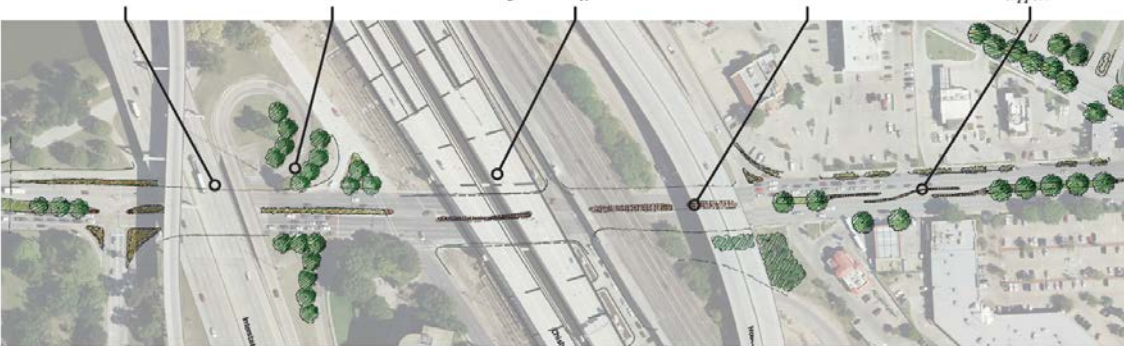
Lighting scheme to light up the underpasses under the structure, or installation of vertical mast lights to identify corridor



Provide patterned medians of stone or rock within underpasses

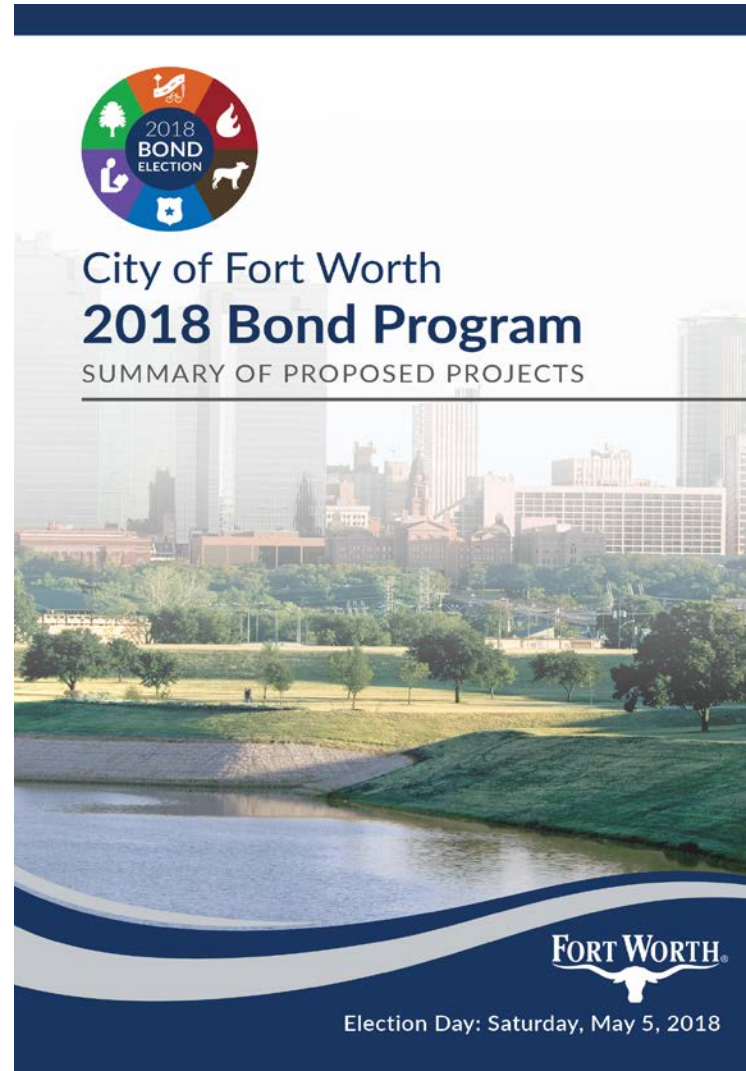


Provide a variety of median types to work with traffic load and provide access management support



## **University Drive Complete Streets Project included in 2018 Bond Program passed by voters on May 5, 2018**

- City Council approved Projects and Summary of Propositions
- Public comments collected over Summer of 2017 includes 295 online comments and 218 comment cards from numerous public meetings
- Additional funding needed to complete project





## 2018 Bond Projects – Streets

Project	Project Limit	Project Scope
*Avondale Haslet Rd.	Willow Creek to eastern City Limit	Construct 3-lane roadway -Willow Springs (east) to Sendera Ranch; Roundabouts at Willow Springs (east), Sendera Ranch
*Bailey Boswell	FM 156 to N. Tarrant	Alignment Design & Environmental Permitting
*Cromwell Marine Creek Rd.	Boat Club to Marine Creek	Construct Roundabouts at Bowman Roberts & Huffines Blvd with pavement rehabilitation of existing travel lanes
*Golden Triangle	Misty Redwood to IH 35W	Alignment Design & Construction of Roundabout at Harmon Rd with associated infrastructure
Harmon Rd.	US 287 to Golden Triangle	Construct 5/4-lane from US 287 to Golden Triangle; Roundabouts at US 287, Presidio, Heritage Trace, Golden Triangle with associated infrastructure
*Kroger Dr.	Ray White to US 377	Construct Intersection Improvements at US 377 & Roundabout at Park Vista Cir. (west)
* W. Risinger Rd.	FM 731 to IH 35W	Construct 4-lane Intersection at IH 35W, with associated infrastructure
Riverside Dr.	Golden Triangle to Keller Hicks	Construct 4-lane roadway, with associated infrastructure
University Dr.	Trail Lake Dr to Park Hill	Construct roadway ,sidewalks, street lights, traffic signals to improve mobility for pedestrian, cyclists and vehicular traffic
*West 7 <sup>th</sup> St.	University Dr to Summit	Construct pedestrian, street lights, traffic signals to improve mobility for pedestrians, cyclists, and vehicular traffic
*Westport Pkwy	Alta Vista to Keller Haslet	Construct 4-lane roadway with associated infrastructure
*Willow Springs & Blue Mound Roads	Eagle Dr. to US 287	Construct 4-lane roadways & Roundabouts at US 287/Blue Mound with associated infrastructure
*Bonds Ranch Rd.	US 287 to FM 156	Construct 4-lane roadway - US 287 to Shire Meadow; Roundabouts at US 287, Shire Meadow, FM 156 – Developer Partnership
*Keller Hicks Rd.	Lauren Way to US 377	Construct 3-lane from Lauren Way to US 377 & Roundabout at Katy – City of Keller and Developer Partnership



# Streets and Mobility Infrastructure Improvements

Project Category	Funding Amount
Bridge Rehabilitation	\$ 10,000,000
Neighborhood and Arterial Street Reconstruction	\$ 65,500,000
Railroad Crossings	\$ 5,000,000
Streetlights	\$ 10,000,000
Intersection/Signal Improvements	\$ 30,000,000
Traffic Signals	\$ 12,500,000
Neighborhood/School Safety	\$ 5,000,000
Revitalize Established Transportation Corridors	\$ 12,500,000
Arterials/Corridors - Added Network Capacity	\$ 93,540,000
Sidewalks/Bicycle Lanes	\$ 15,000,000
Public Arts Funding (1%)	\$ 2,590,080
Totals	\$ 261,630,080



# University Drive Complete Streets Project

## *Budget by Phase*

### **Design**

Project Management	\$	218,366.00
Design Fees	\$	436,732.00
Environmental	\$	60,000.00
Contingency	\$	269,556.52
<hr/>		
<i>Total Design</i>	\$	<i>984,654.52</i>

### **Construction**

Construction Cost	\$	4,367,320.00
Contingency	\$	539,113.04
Inflation	\$	1,614,238.52
<hr/>		
<i>Total Construction</i>	\$	<i>6,520,671.56</i>

### **Construction Management**

Construction Management	\$	218,366.00
Testing	\$	87,346.40
ADA Inspection	\$	3,000.00
Contingency	\$	269,556.52
<hr/>		
<i>Total Construction Management</i>	\$	<i>578,268.92</i>

<b>Total Budget</b>	<b>\$</b>	<b>8,083,595.00</b>
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# University Drive Complete Streets Project

## Proposed Project Schedule

University Drive, Phase 2 from Trail Drive to Rosedale																											
PROPOSED PRELIMINARY SCHEDULE		2018		2019				2020				2021				2022				2023				2023			
Project Activities	Oct - Dec	Jan-Mar	Apr-June	July-Sept	Oct-Dec	Jan-Mar	Apr-June	July-Sept	Oct-Dec	Jan-Mar	Apr-June	July-Sept	Oct-Dec	Jan-Mar	Apr-June	July-Sept	Oct-Dec	Jan-Mar	Apr-June	July-Sept	Oct-Dec	Jan-Mar	Apr-June	July-Sept	Oct-Dec		
NCTOG Grant Award																											
Design Advertisement/Contract																											
Design Phase																											
Environmental Review																											
Utility Relocation																											
Construction Bid Advertisement/Contract																											
Construction Phase																											
Project Close-out																											



# **Meacham Airport Turn Lanes Project**

# Meacham Airport Turn Lanes Project

PROJECT/FACILITY	LIMITS	SCOPE/DESCRIPTION
<b>Project 1</b> – North Airport Entrance	Business 287/N. Main Street at North Airport Entrance	Add right turn lane for southbound traffic into Airport's northern entrance (main entrance for jet fuel trucks)

PROJECT/FACILITY	LIMITS	SCOPE/DESCRIPTION
<b>Project 2</b> – North Hangar Complex Entrance	Business 287/N. Main Street at North Hangar Entrance	Add right turn lane for southbound traffic

PROJECT/FACILITY	LIMITS	SCOPE/DESCRIPTION
<b>Project 3</b> – South Airport Entrance	W. Long Ave at Lincoln Ave	Add right turn lane for westbound traffic; add left turn lane for eastbound traffic into Airport's southern entrance

# Meacham Airport Turn Lane Project #1

North Main Street  
Northern Airport  
Entrance

\$240,000 Estimate

\$48,000 in TDCs

# Meacham Airport Turn Lane Project #2

North Main Street  
at Northern  
Hangar Complex

\$266,000 Estimate

\$53,200 in TDCs

# Meacham Airport Turn Lane Project #3

West Long Avenue  
at Lincoln Avenue

\$682,000 Estimate

\$136,400 in TDCs

**Meacham Airport Turn Lanes Project**

**Total TDCs  
\$237,600**

**Total Grant  
\$1,188,000**

# Meacham Airport Turn Lane Project #1





# Fort Worth Meacham International Airport Improvements Along North Main Street Project #1: Northern Airport Entrance Turn Lane Engineer's Estimate Of Probable Cost

CONSTRUCTION PROJECT #1 SUMMARY				
DESCRIPTION	ENGINEER'S ESTIMATE		CONTINGENCY (APPROX. 20%)	TOTAL
NORTHERN AIRPORT ENTRANCE TURN LANE	\$126,000.00	+	\$26,000.00	= \$152,000.00
SUBTOTAL=				\$152,000.00

CONSTRUCTION ENGINEERING SERVICES	
SURVEYING SERVICES	\$5,000.00
GEOTECHNICAL SERVICES	\$5,000.00
DESIGN SERVICES	\$25,000.00
PERMITTING	\$10,000.00
BIDDING SERVICES	\$7,000.00
CONSTRUCTION ADMINISTRATION / RPR SERVICES	\$28,000.00
MATERIALS TESTING SERVICES	\$5,000.00
CLOSEOUT	\$3,000.00
SUBTOTAL = \$88,000.00	

TOTAL	
<b>TOTAL</b> (BASE BID + SURVEYING + GEOTECHNICAL + DESIGN + BIDDING + CONSTRUCTION ADMINISTRATION / RPR + MATERIAL TESTING + CLOSEOUT)	<b>\$240,000.00</b>

# Fort Worth Meacham International Airport Improvements Along North Main Street Project #1: Northern Airport Entrance Turn Lane Engineer's Estimate Of Probable Cost

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	SITE PREPARATION	L.S.	100%	\$25,000.00	\$25,000.00
2	DRAINAGE IMPROVEMENTS	L.S.	100%	\$10,000.00	\$10,000.00
3	UTILITY RELOCATION	L.S.	100%	\$10,000.00	\$10,000.00
4	CONCRETE PAVEMENT (10" THICKNESS)	S.Y.	620	\$100.00	\$62,000.00
5	FLEXIBLE BASE (COMPLETE IN PLACE), 6" THICKNESS, GRADE 1, TYPE D	S.Y.	630	\$20.00	\$12,600.00
6	LIME TREATED SUBGRADE (12" THICKNESS)	S.Y.	640	\$10.00	\$6,400.00

<b>Subtotal</b>	<b>\$ 126,000.00</b>
<b>Contingency (Approx. 20%)</b>	<b>\$26,000.00</b>
<b>Total (Base Bid)</b>	<b>\$152,000.00</b>

# Fort Worth Meacham International Airport Improvements Along North Main Street Project #1: Northern Airport Entrance Turn Lane Proposed Schedule

PROPOSED PRELIMINARY SCHEDULE	2019	2019	2019	2019	2020	2020	2020	2020
Project Activities	May	June - Sept.	October	Nov. - Dec.	Jan.-Feb.	March-June	July-Aug.	Sept.-Nov.
NCTCOG TIP NCTCOG Interlocal Agreement								
NCTCOG Notice to Proceed (NTP) Engineering Contract Execution								
Preliminary Engineering Design Phase								
Enviromental Review City Permitting								
Bid Advertisement Award Contract Contract Execution								
Construction Phase								
Project Close-Out								

# Meacham Airport Turn Lanes Project #2



# Fort Worth Meacham International Airport Improvements Along North Main Street Project #2: Northern Hangar Complex Entrance Turn Lane Engineer's Estimate Of Probable Cost

CONSTRUCTION PROJECT #1 SUMMARY				
DESCRIPTION	ENGINEER'S ESTIMATE		CONTINGENCY (APPROX. 20%)	TOTAL
NORTHERN HANGAR COMPLEX TURN LANE	\$147,700.00	+	\$30,300.00	= \$178,000.00
SUBTOTAL=				\$152,000.00

CONSTRUCTION ENGINEERING SERVICES	
SURVEYING SERVICES	\$5,000.00
GEOTECHNICAL SERVICES	\$5,000.00
DESIGN SERVICES	\$25,000.00
PERMITTING	\$10,000.00
BIDDING SERVICES	\$7,000.00
CONSTRUCTION ADMINISTRATION / RPR SERVICES	\$28,000.00
MATERIALS TESTING SERVICES	\$5,000.00
CLOSEOUT	\$3,000.00
SUBTOTAL = \$88,000.00	

TOTAL	
TOTAL (BASE BID + SURVEYING + GEOTECHNICAL + DESIGN + BIDDING + CONSTRUCTION ADMINISTRATION / RPR + MATERIAL TESTING + CLOSEOUT)	\$266,000.00

# Fort Worth Meacham International Airport Improvements Along North Main Street Project #2: Northern Hangar Complex Entrance Turn Lane Engineer's Estimate Of Probable Cost

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	SITE PREPARATION	L.S.	100%	\$25,000.00	\$25,000.00
2	DRAINAGE IMPROVEMENTS	L.S.	100%	\$20,000.00	\$20,000.00
3	UTILITY RELOCATION	L.S.	100%	\$20,000.00	\$20,000.00
4	CONCRETE PAVEMENT (10" THICKNESS)	S.Y.	630	\$100.00	\$63,000.00
5	FLEXIBLE BASE (COMPLETE IN PLACE), 6" THICKNESS, GRADE 1, TYPE D	S.Y.	650	\$20.00	\$13,000.00
6	LIME TREATED SUBGRADE (12" THICKNESS)	S.Y.	670	\$10.00	\$6,700.00

<b>Subtotal</b>	<b>\$ 147,700.00</b>
<b>Contingency (Approx. 20%)</b>	<b>\$30,300.00</b>
<b>Total (Base Bid)</b>	<b>\$178,000.00</b>



# Fort Worth Meacham International Airport Improvements Along North Main Street Project #2: Northern Hangar Complex Entrance Turn Lane Proposed Schedule

PROPOSED PRELIMINARY SCHEDULE	2019	2019	2019	2019	2020	2020	2020	2020
Project Activities	May	June - Sept.	October	Nov. - Dec.	Jan.-Feb.	March-June	July-Aug.	Sept.-Nov.
NCTCOG TIP NCTCOG Interlocal Agreement								
NCTCOG Notice to Proceed (NTP) Engineering Contract Execution								
Preliminary Engineering Design Phase								
Enviromental Review City Permitting								
Bid Advertisement Award Contract Contract Execution								
Construction Phase								
Project Close-Out								

# Meacham Airport Turn Lanes Project #3



# Fort Worth Meacham International Airport Improvements

## Project #3: West Long Avenue at Lincoln Avenue Turn Lanes

### Engineer's Estimate Of Probable Cost

CONSTRUCTION PROJECT #1 SUMMARY				
DESCRIPTION	ENGINEER'S ESTIMATE		CONTINGENCY (APPROX. 20%)	TOTAL
LONG TO LINCOLN TURN LANES	\$449,600.00	+	\$90,400.00	= \$540,000.00
SUBTOTAL=				\$152,000.00

CONSTRUCTION ENGINEERING SERVICES	
SURVEYING SERVICES	\$10,000.00
GEOTECHNICAL SERVICES	\$10,000.00
DESIGN SERVICES	\$50,000.00
PERMITTING	\$10,000.00
BIDDING SERVICES	\$7,000.00
CONSTRUCTION ADMINISTRATION / RPR SERVICES	\$40,000.00
MATERIALS TESTING SERVICES	\$10,000.00
CLOSEOUT	\$5,000.00
SUBTOTAL = \$142,000.00	

TOTAL	
<b>TOTAL</b>	<b>\$682,000.00</b>
(BASE BID + SURVEYING + GEOTECHNICAL + DESIGN + BIDDING + CONSTRUCTION ADMINISTRATION / RPR + MATERIAL TESTING + CLOSEOUT)	

# Fort Worth Meacham International Airport Improvements

## Project #3: West Long Avenue at Lincoln Avenue Turn Lanes

### Engineer's Estimate Of Probable Cost

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	SITE PREPARATION	L.S.	100%	\$50,000.00	\$50,000.00
2	DRAINAGE IMPROVEMENTS	L.S.	100%	\$25,000.00	\$25,000.00
3	UTILITY RELOCATION	L.S.	100%	\$150,000.00	\$150,000.00
4	FENCING RELOCATION	L.S.	100%	\$50,000.00	\$50,000.00
5	LANDSCAPING	L.S.	100%	\$10,000.00	\$10,000.00
6	CONCRETE PAVEMENT (10" THICKNESS)	S.Y.	1,260	\$100.00	\$126,000.00
7	FLEXIBLE BASE (COMPLETE IN PLACE), 6" THICKNESS, GRADE 1, TYPE D	S.Y.	1,280	\$20.00	\$25,600.00
8	LIME TREATED SUBGRADE (12" THICKNESS)	S.Y.	1,300	\$10.00	\$13,000.00

<b>Subtotal</b>	<b>\$ 449,600.00</b>
<b>Contingency (Approx. 20%)</b>	<b>\$90,400.00</b>
<b>Total (Base Bid)</b>	<b>\$540,000.00</b>

# Fort Worth Meacham International Airport Improvements

## Project #3: West Long Avenue at Lincoln Avenue Turn Lanes

### Proposed Schedule

PROPOSED PRELIMINARY SCHEDULE	2019	2019	2019	2019	2020	2020	2020	2020
Project Activities	May	June - Sept.	October	Nov. - Dec.	Jan.-Feb.	March-June	July-Aug.	Sept.-Nov.
NCTCOG TIP NCTCOG Interlocal Agreement								
NCTCOG Notice to Proceed (NTP) Engineering Contract Execution								
Preliminary Engineering Design Phase								
Enviromental Review City Permitting								
Bid Advertisement Award Contract Contract Execution								
Construction Phase								
Project Close-Out								



# **Heritage Trace Parkway Railroad Crossing Project**

# Heritage Trace Parkway Railroad Crossing Project

Bridge/Grade Separation  
Railroad Crossing at  
Waterbend South

\$37,500,000 Estimate

[\\$7,500,000 in TDCs](#)



# Heritage Trace Pkwy. Railroad Crossing

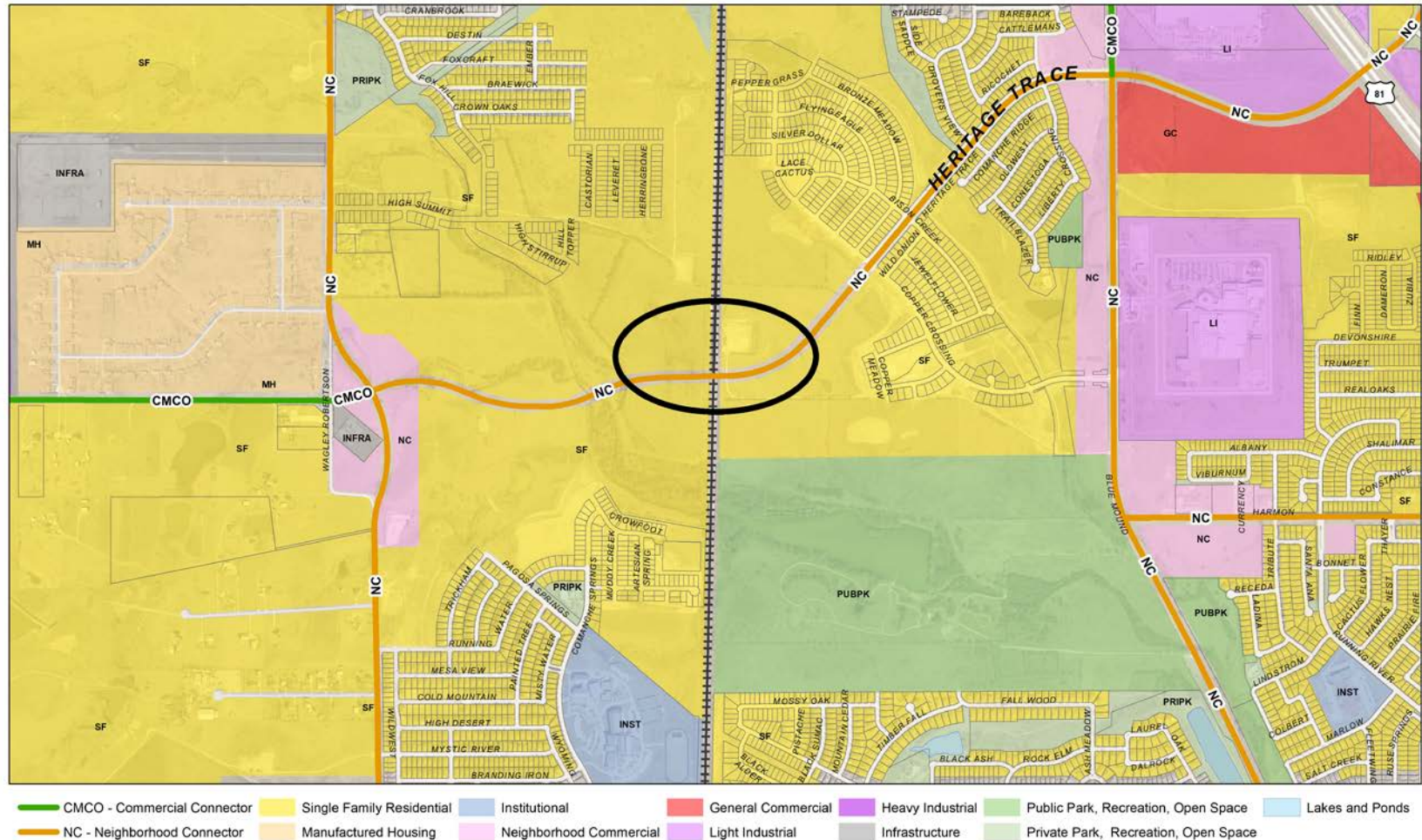
## Bridge/Grade Separation Crossing at Waterbend South





# Heritage Trace Pkwy. Railroad Crossing

## Bridge/Grade Separation Crossing at Waterbend South



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## Heritage Trace Bridge Budget Estimate

Proposed Improvements	UNIT	QUANTITY	COST/UNIT	SUBTOTAL
<b>Design Phase</b>				
Engineering Design/ Construction Management (35% Construction)	Percent	35%	\$ 10,427,200.00	\$ 3,649,500.00
Environmental Review	LS	1.00	\$ 150,000.00	\$ 150,000.00
Subtotal				\$ 3,799,500.00
<b>Construction Phase</b>				
2 @ 40' Bridges (80 LF x 1,500 LF x \$140/SF)	EA	2.00	\$ 8,400,000.00	\$ 16,800,000.00
Approach (Est. \$350,000 Ea.)	EA	4.00	\$ 350,000.00	\$ 1,400,000.00
Roadway (Est. \$350,000 Ea. Transition)	EA	4.00	\$ 350,000.00	\$ 1,400,000.00
Other Components (Striping, Signing, Lighting, Aesthetic Enhancements)	Percent	40%	\$ 25,480,000.00	\$ 10,192,000.00
Subtotal				\$ 29,792,000.00
<b>Total Construction Cost</b>			<b>\$29,792,000.00</b>	
<b>Construction Management/Inspection/Etc.</b>				
Construction Management (Est. \$6,000/month)	Months	12.00	\$ 6,000.00	\$ 72,000.00
Construction Contingency (35% Construction Cost)	Percent	35%	\$ 10,427,200.00	\$ 3,649,500.00
Material Soil Testing (est. 5% construction)	Percent	5%	\$ 1,489,600.00	\$ 74,500.00
Inspection (est. 7% construction)	Percent	7%	\$ 2,085,400.00	\$ 146,000.00
Subtotal				\$ 3,942,000.00
<b>TOTAL COST ESTIMATE (Design + Construction + Management)</b>				<b>\$ 37,533,500.00</b>

\*Estimate date 2018/09/20 CH - TPW Capital Delivery

# Proposed Project Schedule

Heritage Trace Grade Separation Bridge Project Funding Proposal

PROPOSED PRELIMINARY SCHEDULE	2019	2019	2020	2020	2020-2021	2021	2021-2022	2022-2023	2023
Project Activities	October	November-December	January	February-March	April-March	April-July	September-August	September-April	May-September
-NCTCOG TIP -NCTCOG Interlocal Agreement -TxDOT LPAFA*	TIP Modification Cycle	Interlocal Agreement & LPAFA							
NCTCOG Notice to Proceed (NTP)									
-Preliminary Engineering Design Advertisement -Contract Execution									
Preliminary Engineering Design Phase									
Environmental Review									
-Construction Bid Advertisement -Contract Execution									
Construction Phase									
Project Close-Out									

\*Local Project Advanced Funding Agreement (LPAFA)