

12A. FUTURE AMENDMENTS TO THE 2021-2024 TIP AND 2045 RTP

Summary

- Rescope the City of Galveston bus acquisition project (MPO 11025/CSJ N/A) to reflect the purchase of five (5) LPG buses instead of ten (10), reduce the federal funding to \$1.06M and change the funding source from FTA Section 5307, Urban Area Formula Program, to Section 5339, Bus and Bus Facilities Program. Assign 212K Transportation Development Credits in lieu of matching funds. (-\$2.5M, Total Cost: \$1.1M)
- Extend the limits of the Near Northwest Management District West Little York Road Pedestrian and Bike Improvements project to include a segment on West Tidwell Road. The extension will allow for full utilization of the Surface Transportation Block Grant (STBG) funds that were obligated in FY 2020. (+\$0M; Total Cost: \$2.7M)
- Add \$740K of federal STBG funding, matched with \$607K of local contribution, to the East End Management District Navigation Boulevard roundabout reconstruction project (MPO ID 17079/CSJ 0912-72-386) to cover the costs of inflation incurred over a three-year period. (+\$1.3M; Total Cost: \$4.4M)
- Add \$3.5M of federal STBG funding, split 50/50 with the City of Baytown, to cover additional costs incurred by inflation for the Garth Road widening project (MPO ID 17096/CSJ 0912-72-359). (+\$3.5M; Total Cost: \$41.7M)
- Program five regional Intelligent Transportation System installation projects from the TxDOT Statewide ITS Program (SCSJ 5800-00-915) that were funded with Category-2, Metropolitan Mobility and Urban Area Corridor Projects, into FY 2024 of the TIP with Congestion Mitigation/Air Quality, Category-5, funds (MPO ID 17090/CSJ 0598-02-120, MPO ID 17100/CSJ 0187-05-062, MPO ID 18404/CSJ 0187-05-062, MPO ID 18522/CSJ 0114-11-090, MPO ID 18523/CSJ 0050-04-029) (+\$39.1M, Total Cost: \$39.1M).

Action Requested

Information and discussion only.

H-GAC 2021-2024 TIP and 2045 RTP

May 2022 Future Amendments

Count	MPOID/CSJ	Sponsor/County	Project	Proj Type	Proposed Modifications					
					STIP?	Funding (M)			Scope	Schedule
						Fed/State	Local			
1	11025 NULL	CITY OF GALVESTON (GAL)	CITY OF GALVESTON (VA, VA) PURCHASE 5 NEW LPG BUSES	T	No	<input checked="" type="checkbox"/> (\$2.5)	(\$0.9)	5307 to 5339.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	17078 0912-72-394	NEAR NORTHWEST MANAGEMEN... (HAR)	LITTLE YORK RD W; TIDWELL RD W (HOLLISTER ST..., ANTOINE DR T...) RECONSTRUCT BACK OF CURB INFRASTRUCTURE (SIDEWALKS, CURBS, ADA RAMPS, PEDESTRIAN LIGHTING AND LANDSCAPING) AND MULTIUSE TRAIL CONNECTOR TO WHITE OAK BAYOU TRAIL	P/B	No	<input type="checkbox"/>			<input checked="" type="checkbox"/> Limits.	<input type="checkbox"/>
3	17079 0912-72-386	EAST END DISTRICT (HAR)	NAVIGATION BLVD (AT JENSEN DR..., NULL) RECONSTRUCT INTERSECTION AS URBAN ROUNDABOUT INCLUDING PEDESTRIAN STREETScape AND BUS STOP IMPROVEMENTS	R	No	<input checked="" type="checkbox"/> + \$0.7	+ \$0.6		<input type="checkbox"/>	<input checked="" type="checkbox"/> Delay FY 2022 to FY 2023.
4	17090 0598-02-120	TXDOT HOUSTON DISTRICT (BRA)	SH 288 (SH 6, FM 1462) Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.	R	Yes	<input checked="" type="checkbox"/> + \$6.4	+ \$1.6		<input checked="" type="checkbox"/> Add to TIP.	<input checked="" type="checkbox"/> Add to FY 2024.
5	17096 0912-72-359	CITY OF BAYTOWN (HAR)	GARTH RD (IH 10, S OF ARCHER ...) RECONSTRUCT AND WIDEN FROM 4 TO 6 LANES INCLUDING ACCESS MANAGEMENT IMPROVEMENTS	R	No	<input checked="" type="checkbox"/> + \$1.8	+ \$1.8		<input type="checkbox"/>	<input type="checkbox"/>
6	17100 0187-05-061	TXDOT HOUSTON DISTRICT (FOR)	SS 10 (SH 36 N, IH 69) Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.	R	Yes	<input checked="" type="checkbox"/> + \$3.6	+ \$0.9		<input checked="" type="checkbox"/> Add to TIP.	<input checked="" type="checkbox"/> Add to FY 2024.
7	18404 0187-05-062	HOUSTON TRANSTAR (FOR)	SH 36 (AUSTIN C/L, SS 10) Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.	R	Yes	<input checked="" type="checkbox"/> + \$7.9	+ \$2.0		<input checked="" type="checkbox"/> Add to TIP.	<input checked="" type="checkbox"/> Add to FY 2024.
8	18522 0114-11-090	TXDOT HOUSTON DISTRICT (WAL)	US 290 (WASHINGTON C..., HARRIS C/L) Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.	R	Yes	<input checked="" type="checkbox"/> + \$9.0	+ \$2.3		<input checked="" type="checkbox"/> Add to TIP.	<input checked="" type="checkbox"/> Add to FY 2024.
9	18523 0050-04-029	TXDOT HOUSTON DISTRICT (WAL)	SH 6 (GRIMES C/L, US 290) Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.	R	Yes	<input checked="" type="checkbox"/> + \$4.4	+ \$1.1		<input checked="" type="checkbox"/> Add to TIP.	<input checked="" type="checkbox"/> Add to FY 2024.

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**2021 - 2024 TRANSPORTATION IMPROVEMENT PROGRAM
2040 REGIONAL TRANSPORTATION PLAN**

May-2022 PREVIEWS

PROPOSED VERSION

MPOID / CSJ **11025 /** **FY 2023**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Galveston		VA	Capital	GALVESTON	CITY OF GALVESTON	\$1,060,000

STREET: CITY OF GALVESTON MPO PROJECT ID: 11025
 LIMITS FROM: VA VOC: kg/day
 LIMITS TO: VA NOx: kg/day
 TIP DESCRIPTION : PURCHASE 5 NEW LPG BUSES

Project History : Amendment # JUN-2022- 2022-06-24 Modify the funding from FTA Section 5307, Urban Area Formula, to FTA Section 5339, Bus and Bus Facilities and reduce the federal amount to \$1.06M for the purchase of five LPG buses. 212,000 TDCs will be used in lieu of matching funds.**

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					Funding By Category
			Funding Category	Federal	State	Local	Local Contribution	
Preliminary Engineering:	\$0	\$1,060,000	Sec. 5339	\$1,060,000	\$0	\$0	\$0	\$1,060,000
Right Of Way:	\$0		Funding by share:					
Construction:	\$1,060,000		Federal	\$1,060,000	\$0	\$0	\$0	\$1,060,000
Construction Engineering:	\$0		State	\$0	\$0	\$0	\$0	\$0
Contingencies:	\$0		Local	\$0	\$0	\$0	\$0	\$0
Indirects:	\$0		Local Contribution	\$0	\$0	\$0	\$0	\$0
Bond Financing:	\$0							
Total Project Cost	\$1,060,000							

TDC: 212,000

OLD VERSION

MPOID / CSJ **11025 /** **FY 2023**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Galveston		VA	Capital	GALVESTON	CITY OF GALVESTON	\$4,474,418

STREET: CITY OF GALVESTON MPO PROJECT ID: 11025
 LIMITS FROM: VA VOC: kg/day
 LIMITS TO: VA NOx: kg/day
 TIP DESCRIPTION : PURCHASE 10 NEW TRANSIT VEHICLES

Project History :

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					Funding By Category
			Funding Category	Federal	State	Local	Local Contribution	
Preliminary Engineering:	\$0	\$4,474,418	Sec. 5307	\$3,531,534	\$0	\$942,884	\$0	\$4,474,418
Right Of Way:	\$0		Funding by share:					
Construction:	\$4,474,418		Federal	\$3,531,534	\$0	\$942,884	\$0	\$4,474,418
Construction Engineering:	\$0		State	\$0	\$0	\$0	\$0	\$0
Contingencies:	\$0		Local	\$0	\$0	\$0	\$0	\$0
Indirects:	\$0		Local Contribution	\$0	\$0	\$0	\$0	\$0
Bond Financing:	\$0							
Total Project Cost	\$4,474,418							

TDC:

May-2022 PREVIEWS

PROPOSED VERSION

MPOID / CSJ **17078 / 0912-72-394** **FY 2020**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Harris	0912-72-394	CS	Transfer	HOUSTON	NEAR NORTHWEST MANAGEMENT DISTRICT	\$2,743,000
STREET:						MPO PROJECT ID:	17078
LIMITS FROM:						VOC:	0.00 kg/day
LIMITS TO:						NOx:	0.01 kg/day
TIP DESCRIPTION : RECONSTRUCT BACK OF CURB INFRASTRUCTURE (SIDEWALKS, CURBS, ADA RAMPS, PEDESTRIAN LIGHTING AND LANDSCAPING) AND MULTIUSE TRAIL CONNECTOR TO WHITE OAK BAYOU TRAIL							

Project History : Amendment # JUN-2022- 2022-06-24 Expand limits to include segment on West Tidwell Road from Antoine Drive to TC Jester Boulevard.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					Funding By Category
			Funding Category	Federal	State	Local	Local Contribution	
Preliminary Engineering:	\$0	\$2,743,000	7-STP-MM	\$2,194,400	\$0	\$548,600	\$0	\$2,743,000
Right Of Way:	\$0		Funding by share:					\$2,743,000
Construction:	\$2,743,000			\$2,194,400	\$0	\$548,600	\$0	
Construction Engineering:	\$0							
Contingencies:	\$0							
Indirects:	\$0							
Bond Financing:	\$0							
Total Project Cost	\$2,743,000							

TDC: 0

OLD VERSION

MPOID / CSJ **17078 / 0912-72-394** **FY 2020**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Harris	0912-72-394	CS	Transfer	HOUSTON	NEAR NORTHWEST MANAGEMENT DISTRICT	\$2,743,000
STREET:						MPO PROJECT ID:	17078
LIMITS FROM:						VOC:	0.00 kg/day
LIMITS TO:						NOx:	0.01 kg/day
TIP DESCRIPTION : RECONSTRUCT BACK OF CURB INFRASTRUCTURE (SIDEWALKS, CURBS, ADA RAMPS, PEDESTRIAN LIGHTING AND LANDSCAPING) AND MULTIUSE TRAIL CONNECTOR TO WHITE OAK BAYOU TRAIL							

Project History : Amendment # 2040-3- 2016-04-22 Program in FY 2020 with CMAQ funding.*** Amendment # 16- 2016-10-28 Add CSJ number.*** Amendment # OCT-2017A- 2017-10-27 FTA funds transfer.*** Amendment # JUL-2018A- 2018-07-27 Change Phase from 'Construction' to 'Transfer'.*** Amendment # MAR-2019A- 2019-03-22 Change funding from Cat-5 (CMAQ) to Cat-7 (STBG). Change phase from 'Construction' to 'Transfer'.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					Funding By Category
			Funding Category	Federal	State	Local	Local Contribution	
Preliminary Engineering:	\$0	\$2,743,000	7-STP-MM	\$2,194,400	\$0	\$548,600	\$0	\$2,743,000
Right Of Way:	\$0		Funding by share:					\$2,743,000
Construction:	\$2,743,000			\$2,194,400	\$0	\$548,600	\$0	
Construction Engineering:	\$0							
Contingencies:	\$0							
Indirects:	\$0							
Bond Financing:	\$0							
Total Project Cost	\$2,743,000							

TDC:

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**2021 - 2024 TRANSPORTATION IMPROVEMENT PROGRAM
2040 REGIONAL TRANSPORTATION PLAN**

May-2022 PREVIEWS

PROPOSED VERSION

MPOID / CSJ 17079 / 0912-72-386 FY 2023

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Harris	0912-72-386	CS	C:E	HOUSTON	EAST END DISTRICT	\$4,379,749

STREET: NAVIGATION BLVD MPO PROJECT ID: 17079
 LIMITS FROM: AT JENSEN DR/RUNNELS ST VOC: kg/day
 LIMITS TO: NOx: kg/day
 TIP DESCRIPTION : RECONSTRUCT INTERSECTION AS URBAN ROUNDABOUT INCLUDING PEDESTRIAN STREETScape AND BUS STOP IMPROVEMENTS

Project History : Amendment # JUN-2022- 2022-06-24 Increase federal funding from \$2,425,600 to \$3,165,704 and local from \$606,600 to \$1,214,045 to cover increased costs due to inflation. Delay from FY 2022 to FY 2023.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					Funding By Category
Item	Amount		Funding Category	Federal	State	Local	Local Contribution	
Preliminary Engineering:	\$204,583	\$4,379,749	7-STBG	\$3,165,704	\$0	\$1,214,045	\$0	\$4,379,749
Right Of Way:	\$0		Funding by share:	\$3,165,704	\$0	\$1,214,045	\$0	\$4,379,749
Construction:	\$4,175,166		TDC: 0					
Construction Engineering:	\$250,510							
Contingencies:	\$417,517							
Indirects:	\$212,098							
Bond Financing:	\$0							
Total Project Cost	\$5,259,874							

OLD VERSION

MPOID / CSJ 17079 / 0912-72-386 FY 2022

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Harris	0912-72-386	CS	C:E	HOUSTON	EAST END DISTRICT	\$4,379,749

STREET: NAVIGATION BLVD MPO PROJECT ID: 17079
 LIMITS FROM: AT JENSEN DR/RUNNELS ST VOC: kg/day
 LIMITS TO: NOx: kg/day
 TIP DESCRIPTION : RECONSTRUCT INTERSECTION AS URBAN ROUNDABOUT INCLUDING PEDESTRIAN STREETScape AND BUS STOP IMPROVEMENTS

Project History : Amendment # 2040-3- 2016-04-22 Program in FY 2020 with Cat-7 funding.*** Amendment # 16- 2016-10-28 Add CSJ number.*** Amendment # SEP-2017A- 2017-09-22 Add engineering as an authorized phase of work per project application.*** Amendment # APR-2021A- 2021-04-23 Delay from FY 2021 to FY 2022 at the sponsor's request.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					Funding By Category
Item	Amount		Funding Category	Federal	State	Local	Local Contribution	
Preliminary Engineering:	\$204,583	\$4,379,749	7-STBG	\$3,165,704	\$0	\$1,214,045	\$0	\$4,379,749
Right Of Way:	\$0		Funding by share:	\$3,165,704	\$0	\$1,214,045	\$0	\$4,379,749
Construction:	\$4,175,166		TDC:					
Construction Engineering:	\$250,510							
Contingencies:	\$417,517							
Indirects:	\$212,098							
Bond Financing:	\$0							
Total Project Cost	\$5,259,874							

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**2021 - 2024 TRANSPORTATION IMPROVEMENT PROGRAM
2040 REGIONAL TRANSPORTATION PLAN**

May-2022 PREVIEWS

PROPOSED VERSION

MPOID / CSJ 17090 / 0598-02-120 FY 2024

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Brazoria	0598-02-120	SH 288	C	IOWA COLONY	TXDOT HOUSTON DISTRICT	\$8,032,000

STREET: SH 288 MPO PROJECT ID: 17090
 LIMITS FROM: SH 6 VOC: kg/day
 LIMITS TO: FM 1462 NOx: kg/day
 TIP DESCRIPTION : Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.

Project History : Amendment # JUN-2022- 2022-06-24 Program in FY 2024 of the TIP with Cat-5/CMAQ funding.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					
Item	Amount		Funding Category	Federal	State	Local	Local Contribution	Funding By Category
Preliminary Engineering:	\$393,568	\$8,032,000	5-CMAQ	\$6,425,600	\$1,606,400	\$0	\$0	\$8,032,000
Right Of Way:	\$0		Funding by share:	\$6,425,600	\$1,606,400	\$0	\$0	\$8,032,000
Construction:	\$8,032,000		TDC: 0					
Construction Engineering:	\$401,600							
Contingencies:	\$803,200							
Indirects:	\$408,026							
Bond Financing:	\$0							
Total Project Cost	\$10,038,394							

OLD VERSION

MPOID / CSJ 17090 / 0598-02-120 FY 2024

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Brazoria	0598-02-120	SH 288	C	IOWA COLONY	TXDOT HOUSTON DISTRICT	\$8,032,000

STREET: SH 288 MPO PROJECT ID: 17090
 LIMITS FROM: SH 6 VOC: kg/day
 LIMITS TO: FM 1462 NOx: kg/day
 TIP DESCRIPTION : Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.

Project History : Amendment # 2040-3- 2016-04-22 Program in FY 2021 with PROP-7 funding.*** Amendment # OCT-2017- 2017-10-27 Delay from FY 2021 to FY2022 and modify Cat-2 funding.*** Amendment # JAN-2021- 2021-01-22 Removed from 2021 TIP at TxDOT's request to group in TXDOT Statewide ITS Deployment Program (5000-00-915) in order to fiscally constrain the 2021 STIP.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					
Item	Amount		Funding Category	Federal	State	Local	Local Contribution	Funding By Category
Preliminary Engineering:	\$393,568	\$8,032,000	2-METRO-TMA	\$6,425,600	\$1,606,400	\$0	\$0	\$8,032,000
Right Of Way:	\$0		Funding by share:	\$6,425,600	\$1,606,400	\$0	\$0	\$8,032,000
Construction:	\$8,032,000		TDC:					
Construction Engineering:	\$401,600							
Contingencies:	\$803,200							
Indirects:	\$408,026							
Bond Financing:	\$0							
Total Project Cost	\$10,038,394							

May-2022 PREVIEWS

PROPOSED VERSION

MPOID / CSJ **17096 / 0912-72-359** **FY 2023**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Harris	0912-72-359	CS	C:E(REVIEW)	BAYTOWN	CITY OF BAYTOWN	\$41,730,000

STREET: GARTH RD MPO PROJECT ID: 17096
 LIMITS FROM: IH 10 VOC: kg/day
 LIMITS TO: S OF ARCHER RD NOx: kg/day
 TIP DESCRIPTION : RECONSTRUCT AND WIDEN FROM 4 TO 6 LANES INCLUDING ACCESS MANAGEMENT IMPROVEMENTS

Project History : Amendment # JUN-2022- 2022-06-24 Program an additional \$3.5M of STBG funds split 50/50 federal/local to cover cost escalation caused by inflation.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					Funding By Category
			Funding Category	Federal	State	Local	Local Contribution	
Preliminary Engineering:	\$1,566,000	\$41,730,000	7-STBG	\$32,334,000	\$0	\$9,396,000	\$0	\$41,730,000
Right Of Way:	\$1,090,000		Funding by share:	\$32,334,000	\$0	\$9,396,000	\$0	\$41,730,000
Construction:	\$15,937,000		TDC: 0					
Construction Engineering:	\$800,600							
Contingencies:	\$1,601,200							
Indirects:	\$813,410							
Bond Financing:	\$0							
Total Project Cost	\$21,808,210							

OLD VERSION

MPOID / CSJ **17096 / 0912-72-359** **FY 2023**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Harris	0912-72-359	CS	C:E(REVIEW)	BAYTOWN	CITY OF BAYTOWN	\$38,230,000

STREET: GARTH RD MPO PROJECT ID: 17096
 LIMITS FROM: IH 10 VOC: kg/day
 LIMITS TO: S OF ARCHER RD NOx: kg/day
 TIP DESCRIPTION : RECONSTRUCT AND WIDEN FROM 4 TO 6 LANES INCLUDING ACCESS MANAGEMENT IMPROVEMENTS

Project History : Amendment # 2040-3- 2016-04-22 Program in FY 2021 with Cat-7 funding.*** Amendment # JUN-2020- 2020-06-27 Program additional Cat-7/STBG funding, incl. \$1,252,800 federal from E-phase (MPOID 17015) and \$872,000 from R-phase (17095), to cover additional costs of flood resiliency design standards. Shorten limits and advance from FY 2022 to FY 2021.*** Amendment # OCT-2021- 2021-10-22 Delay from FY 2022 to FY 2023.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					Funding By Category
			Funding Category	Federal	State	Local	Local Contribution	
Preliminary Engineering:	\$1,566,000	\$38,230,000	7-STBG	\$30,584,000	\$0	\$7,646,000	\$0	\$38,230,000
Right Of Way:	\$1,090,000		Funding by share:	\$30,584,000	\$0	\$7,646,000	\$0	\$38,230,000
Construction:	\$15,937,000		TDC:					
Construction Engineering:	\$800,600							
Contingencies:	\$1,601,200							
Indirects:	\$813,410							
Bond Financing:	\$0							
Total Project Cost	\$21,808,210							

2021 - 2024 TRANSPORTATION IMPROVEMENT PROGRAM
2040 REGIONAL TRANSPORTATION PLAN

May-2022 PREVIEWS

PROPOSED VERSION

MPOID / CSJ **17100 / 0187-05-061** **FY 2024**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Fort Bend	0187-05-061	SS 10	C	ROSENBERG	TXDOT HOUSTON DISTRICT	\$4,451,601

STREET: SS 10 MPO PROJECT ID: 17100
 LIMITS FROM: SH 36 N VOC: kg/day
 LIMITS TO: IH 69 NOx: kg/day
 TIP DESCRIPTION : Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.

Project History : Amendment # JUN-2022- 2022-06-24 Program in FY 2024 of the TIP with Cat-5/CMAQ funding.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					
Item	Amount		Funding Category	Federal	State	Local	Local Contribution	Funding By Category
Preliminary Engineering:	\$218,128	\$4,451,601	5-CMAQ	\$3,561,281	\$890,320	\$0	\$0	\$4,451,601
Right Of Way:	\$0		Funding by share:	\$3,561,281	\$890,320	\$0	\$0	\$4,451,601
Construction:	\$4,451,601		TDC: 0					
Construction Engineering:	\$267,096							
Contingencies:	\$445,160							
Indirects:	\$226,141							
Bond Financing:	\$0							
Total Project Cost	\$5,608,127							

OLD VERSION

MPOID / CSJ **17100 / 0187-05-061** **FY 2024**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Fort Bend	0187-05-061	SS 10	C	ROSENBERG	TXDOT HOUSTON DISTRICT	\$4,451,601

STREET: SS 10 MPO PROJECT ID: 17100
 LIMITS FROM: SH 36 N VOC: kg/day
 LIMITS TO: IH 69 NOx: kg/day
 TIP DESCRIPTION : Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.

Project History : Amendment # 2040-3- 2016-04-22 Program in FY 2022 with PROP-7 funding.*** Amendment # OCT-2017- 2017-10-27 Delay from FY2022 to FY2023, modify Cat-2 funding and reflect potential use of federal funds.*** Amendment # NOV-2020- 2020-11-20 Modify funding and limits in coordination with adjoining FY 2026 SH 36 ITS project 18404/0187-05-062.*** Amendment # JAN-2021- 2021-01-22 Removed from the 2021-2024 TIP at TxDOT's request to program in TXDOT Statewide ITS Program (Grouped CSJ 5800-00-915).*** Amendment # MAY-2021- 2021-05-21 Delay from FY 2023 to FY 2026.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					
Item	Amount		Funding Category	Federal	State	Local	Local Contribution	Funding By Category
Preliminary Engineering:	\$218,128	\$4,451,601	2-METRO-TMA	\$3,561,281	\$890,320	\$0	\$0	\$4,451,601
Right Of Way:	\$0		Funding by share:	\$3,561,281	\$890,320	\$0	\$0	\$4,451,601
Construction:	\$4,451,601		TDC:					
Construction Engineering:	\$267,096							
Contingencies:	\$445,160							
Indirects:	\$226,141							
Bond Financing:	\$0							
Total Project Cost	\$5,608,127							

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**2021 - 2024 TRANSPORTATION IMPROVEMENT PROGRAM
2040 REGIONAL TRANSPORTATION PLAN**

May-2022 PREVIEWS

PROPOSED VERSION

MPOID / CSJ 18404 / 0187-05-062 FY 2024

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Fort Bend	0187-05-062	SH 36	C	ORCHARD	HOUSTON TRANSTAR	\$9,908,400

STREET: SH 36 MPO PROJECT ID: 18404
 LIMITS FROM: AUSTIN C/L VOC: kg/day
 LIMITS TO: SS 10 NOx: kg/day
 TIP DESCRIPTION : Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.

Project History : Amendment # JUN-2022- 2022-06-24 Program in FY 2024 of the TIP with Cat-5/CMAQ funding.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					
Item	Amount		Funding Category	Federal	State	Local	Local Contribution	Funding By Category
Preliminary Engineering:	\$485,512	\$9,908,400	5-CMAQ	\$7,926,720	\$1,981,680	\$0	\$0	\$9,908,400
Right Of Way:	\$0		Funding by share:	\$7,926,720	\$1,981,680	\$0	\$0	\$9,908,400
Construction:	\$9,908,400		TDC: 0					
Construction Engineering:	\$495,420							
Contingencies:	\$990,840							
Indirects:	\$503,347							
Bond Financing:	\$0							
Total Project Cost	\$12,383,518							

OLD VERSION

MPOID / CSJ 18404 / 0187-05-062 FY 2024

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Fort Bend	0187-05-062	SH 36	C	ORCHARD	HOUSTON TRANSTAR	\$9,908,400

STREET: SH 36 MPO PROJECT ID: 18404
 LIMITS FROM: AUSTIN C/L VOC: kg/day
 LIMITS TO: SS 10 NOx: kg/day
 TIP DESCRIPTION : Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.

Project History : Amendment # JAN - 2021- 2021-01-22 Removed from the H-GAC 10-Year Plan at TxDOT's request to Statewide Program/Grouped CSJ 5800-00-915.*** **Remarks:**

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					
Item	Amount		Funding Category	Federal	State	Local	Local Contribution	Funding By Category
Preliminary Engineering:	\$485,512	\$9,908,400	2-METRO_TMA	\$7,926,720	\$1,981,680	\$0	\$0	\$9,908,400
Right Of Way:	\$0		Funding by share:	\$7,926,720	\$1,981,680	\$0	\$0	\$9,908,400
Construction:	\$9,908,400		TDC:					
Construction Engineering:	\$495,420							
Contingencies:	\$990,840							
Indirects:	\$503,347							
Bond Financing:	\$0							
Total Project Cost	\$12,383,518							

2021 - 2024 TRANSPORTATION IMPROVEMENT PROGRAM
2040 REGIONAL TRANSPORTATION PLAN

May-2022 PREVIEWS

PROPOSED VERSION

MPOID / CSJ **18522 / 0114-11-090** **FY 2024**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Waller	0114-11-090	US 290	C	NONE	TXDOT HOUSTON DISTRICT	\$11,268,693

STREET: US 290 MPO PROJECT ID: 18522
 LIMITS FROM: WASHINGTON C/L VOC: kg/day
 LIMITS TO: HARRIS C/L NOx: kg/day
 TIP DESCRIPTION : Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.

Project History : Amendment # JUN-2022- 2022-06-24 Program in FY 2024 of the TIP with Cat-5/CMAQ funding***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					
			Funding Category	Federal	State	Local	Local Contribution	Funding By Category
Preliminary Engineering:	\$552,166	\$11,268,693	5-CMAQ	\$9,014,954	\$2,253,739	\$0	\$0	\$11,268,693
Right Of Way:	\$0		Funding by share:					
Construction:	\$11,268,693			\$9,014,954	\$2,253,739	\$0	\$0	\$11,268,693
Construction Engineering:	\$563,435							
Contingencies:	\$1,126,869							
Indirects:	\$572,450							
Bond Financing:	\$0							
Total Project Cost	\$14,083,613							

TDC: 0

OLD VERSION

MPOID / CSJ **18522 / 0114-11-090** **FY 2024**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Waller	0114-11-090	US 290	C	NONE	UNSPONSORED (TBD)	\$11,268,693

STREET: US 290 MPO PROJECT ID: 18522
 LIMITS FROM: WASHINGTON C/L VOC: kg/day
 LIMITS TO: HARRIS C/L NOx: kg/day
 TIP DESCRIPTION : Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.

Project History :

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					
			Funding Category	Federal	State	Local	Local Contribution	Funding By Category
Preliminary Engineering:	\$552,166	\$11,268,693	2-METRO-TMA	\$9,014,954	\$2,253,739	\$0	\$0	\$11,268,693
Right Of Way:	\$0		Funding by share:					
Construction:	\$11,268,693			\$9,014,954	\$2,253,739	\$0	\$0	\$11,268,693
Construction Engineering:	\$563,435							
Contingencies:	\$1,126,869							
Indirects:	\$572,450							
Bond Financing:	\$0							
Total Project Cost	\$14,083,613							

TDC:

2021 - 2024 TRANSPORTATION IMPROVEMENT PROGRAM
2040 REGIONAL TRANSPORTATION PLAN

May-2022 PREVIEWS

PROPOSED VERSION

MPOID / CSJ **18523 / 0050-04-029** **FY 2024**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Waller	0050-04-029	SH 6	C	NONE	TXDOT HOUSTON DISTRICT	\$5,450,046

STREET: SH 6 MPO PROJECT ID: 18523
 LIMITS FROM: GRIMES C/L VOC: kg/day
 LIMITS TO: US 290 NOx: kg/day
 TIP DESCRIPTION : Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.

Project History : Amendment # JUN-2022- 2022-06-24 Program in FY 2024 of the TIP with Cat-5/CMAQ funding.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					
			Funding Category	Federal	State	Local	Local Contribution	Funding By Category
Preliminary Engineering:	\$267,052	\$5,450,046	5-CMAQ	\$4,360,037	\$1,090,009	\$0	\$0	\$5,450,046
Right Of Way:	\$0		Funding by share:	\$4,360,037	\$1,090,009	\$0	\$0	\$5,450,046
Construction:	\$5,450,046							
Construction Engineering:	\$272,502							
Contingencies:	\$545,005							
Indirects:	\$276,862							
Bond Financing:	\$0							
Total Project Cost	\$6,811,467							
			TDC: 0					

OLD VERSION

MPOID / CSJ **18523 / 0050-04-029** **FY 2024**

DISTRICT	COUNTY	CSJ	HWY	PHASE	CITY	PROJECT SPONSOR	YOE COST
Houston	Waller	0050-04-029	SH 6	C	NONE	TXDOT HOUSTON DISTRICT	\$5,450,046

STREET: SH 6 MPO PROJECT ID: 18523
 LIMITS FROM: GRIMES C/L VOC: kg/day
 LIMITS TO: US 290 NOx: kg/day
 TIP DESCRIPTION : Install New ITS Equipment and Infrastructure where no current system exist. The new equipment does not replace or upgrade existing equipment.

Project History : Amendment # SEP-2021- 2021-09-24 Split out of Statewide ITS Program project 17099/0050-06-089/5800-00-915 with Cat-2 Federal:4,360,037; State: \$1,090,009.***

Remarks:

Total Project Cost Information:		Cost of Approved Phases:	Authorized Funding by Category/Share:					
			Funding Category	Federal	State	Local	Local Contribution	Funding By Category
Preliminary Engineering:	\$267,052	\$5,450,046	2-METRO-TMA	\$4,360,037	\$1,090,009	\$0	\$0	\$5,450,046
Right Of Way:	\$0		Funding by share:	\$4,360,037	\$1,090,009	\$0	\$0	\$5,450,046
Construction:	\$5,450,046							
Construction Engineering:	\$272,502							
Contingencies:	\$545,005							
Indirects:	\$276,862							
Bond Financing:	\$0							
Total Project Cost	\$6,811,467							
			TDC:					



April 8, 2022

Mr. Craig Raborn
Transportation & MPO Director
Houston-Galveston Area Council
3555 Timmons Lane
Houston, TX 77027

Joe Meppelink
METALAB
Chair

Elliot Barner
Radcliffe Bobbitt
Adams Polley, PLLC
Vice Chair

Taryn Sims
Wulfe Management Services,
Inc.
Secretary

Blanca Blanco
IBC Investment Services
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Ann Bacon
Capitol Street Gallery

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Pelec Central City
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Roy Lira
MODEC International, Inc.
Resident

Marjorie Peña
BakerRipley

Josue Perez
J&J Flooring and
Carpet Supplies, Inc.
Resident

Jose Valdez
Frost Bank

Veronica C. Gorczyński
President

3211 Harrisburg Blvd.
Houston, TX 77003
713.928.9916

www.eastenddistrict.com

Dear Mr. Raborn:

RE: Cost Escalation for Navigation Boulevard Roundabout – CSJ: 0912-72-386

Since the award of the grant to build the Navigation Boulevard Roundabout originally slated for a FY 2020 funding, project costs have increase substantially largely due to two major factors: 1) Post Hurricane Harvey construction requirements had an impact early on for this project. 2) Inflation has pushed costs up far beyond the 2020 estimated dollars.

Originally this \$3,042,665 project was slated to be funded on an 80/20 basis with \$2,425,600 (80%) in Federal dollars and a local match of \$606,400 (20%) (TXDOT funding is less than .5% of the project total at \$11,665). As denoted on the attached chart based on Gauge Engineering 2019/20 estimate the total project costs went from \$3,043,665 to \$3,651,310 projected project cost. From that estimate, project costs have increased from \$3,651,310 to \$4,491,414 as a result of the combined inflationary impact over the entire period from 2020 to 2022.

The East End District would like to propose that the District increase its match requirement for the project from \$606,600 to \$1,214,045. This would leave a balance of \$3,165,704 (not including the \$11,665 from TXDOT) to fund the current projected costs of \$4,391,414. The local new match proposed by the District would equal 27.65% of the total project costs.

We would like to request that HGAC Federal Grant Funding allocation for the project be increased from \$2,425,600 to the \$3,165,704 or an additional grant amount of \$740,014 or equivalent to 72.09% of the total projected project costs.

Thank you for your consideration and support,

A handwritten signature in blue ink that reads "Veronica Chapa Gorczyński". The signature is written in a cursive style.

Veronica Chapa Gorczyński
President

Cost Escalation for Navigation Boulevard Roundabout - CSJ: 0912-72-386

Description	Total Estimated Cost		Interim Total Estimated Cost 2019-20		Current Total Estimated Cost 2022	
	Award Amount		Increase due to post Harvey requirements		Increase due to cost escalations - inflationary pressure	
Engineering	\$ 206,190		\$ 262,078		\$ 262,078	
Construction	\$ 2,516,853		\$ 2,967,342		\$ 3,707,447	
Subtotal	\$ 2,723,043		\$ 3,229,420		\$ 3,969,524	
Environmental Costs	\$ 10,000		\$ 15,696		\$ 15,696	
Right-of-Way Costs	\$ 100		\$ 100		\$ 100	
Engineering Costs	\$ 75,000		\$ 96,583		\$ 96,583	
Utility Direct Costs	\$ 5,000		\$ 5,000		\$ 5,000	
Construction Costs	\$ 218,857		\$ 292,847		\$ 292,847	
Indirect Costs	\$ 11,665		\$ 11,665		\$ 11,665	
Subtotal	\$ 320,622		\$ 421,890		\$ 421,890	
TOTAL	\$ 3,043,665		\$ 3,651,310		\$ 4,391,414	

<i>Sources of funds</i>		<i>% project</i>		<i>% project</i>	<i>Increase from Original Budget</i>	
Federal Participation	\$ 2,425,600	79.69%		\$ 3,165,704	72.09%	\$ 740,104
State Participation	\$ 11,665	0.38%		\$ 11,665	0.27%	\$ -
Local Match	\$ 606,400	19.92%		\$ 1,214,045	27.65%	\$ 607,645
Total Sources	\$ 3,043,665	100%		\$ 4,391,414	100%	\$ 1,347,749



March 30th, 2022

Patrick Ezzell
East End District
3211 Harrisburg Blvd.
Houston, TX 77003

Re: Cost Escalation for Navigation Boulevard Roundabout - CSJ: 0912-72-386

Dear Mr. Ezzell,

All public agencies, TIRZs and Management Districts are experiencing an escalation in construction cost. The construction market has been very volatile due to the COVID-19 pandemic and recent inflation. The cost of concrete and steel has significantly increased. In addition, suppliers are only locking their cost for a short period due to the possibility of further increase in materials costs throughout the year. Contractors are also very busy and there is a shortage of skilled labor.

Below is a comparison of the construction cost for Navigation Boulevard since the application was originally approved in 2019:

- Original Construction Cost approved in TIP Application: \$2,516,853
- Revised Cost Estimate (2019) that included drainage items: \$2,958,046.34
- Latest Cost Estimate - 90% Submittal (March 2022): \$3,707,446.60*

** Since TxDOT is bidding the project, the unit costs were based on TxDOT's average unit prices for projects that were let over the last 3 months. 10% Contingency was included.*

When comparing cost estimates, there is an increase across the board. However, the largest increase was in the roadway items, there was a 33% increase in cost between 60% and 90% (\$893,483 to \$1,189,428), this is primarily due to the increase in the cost of concrete and steel. A detailed breakdown of the cost estimate and unit cost can be found under Exhibit "A". Please feel free to contact me at (832) 318-8802 if you have any questions or need additional information.

Regards,

A handwritten signature in blue ink, appearing to be "MA", written over a blue circular scribble.

Sincerely,

Muhammad Ali, P.E.
Principal

Attachments: Exhibit A – Cost Estimate

Roundabout Construction at the Intersection of Navigation Blvd at Jensen Dr., Runnels St.

CSI: 0912-72-386

Construction Cost Estimate - 90% Submittal

MARCH 2022



NAVIGATION BLVD/JENSEN DR & RUNNELS ST COST ESTIMATE - 90%							
No.	Spec	Description Code	Description	Units	Quantity	Unit Cost	Total
DEMOLITION							
1	0100	6002	PREPARING ROW	STA	18	\$ 3,781.28	\$ 66,929.00
2	0104	6001	REMOVING CONC (PAV)	SY	8,221	\$ 4.84	\$ 39,789.00
3	0104	6011	REMOVING CONC(MEDIANS)	SY	397	\$ 18.05	\$ 7,168.00
4	0104	6017	REMOVING CONC (DRIVEWAYS)	SY	202	\$ 17.27	\$ 3,489.00
5	0104	6029	REMOVING CONC (CURB OR CURB & GUTTER)	LF	3,675	\$ 11.44	\$ 42,042.00
6	0104	6036	REMOVING CONC (SIDEWALK OR RAMP)	SY	942	\$ 12.32	\$ 11,607.00
7	0104	6040	REMOVING CONC (PAVERS)	SY	78	\$ 18.21	\$ 1,421.00
8	0104	6067	REMOVING CONC (SAWCUT)	LF	1,339	\$ 15.00	\$ 20,085.00
9	0496	6002	REMOVE STR (INLET)	EA	6	\$ 652.10	\$ 3,913.00
10	0496	6003	REMOVE STR (MANHOLE)	EA	3	\$ 960.15	\$ 2,881.00
11	0496	6007	REMOVE STR (PIPE)	LF	800	\$ 23.09	\$ 18,472.00
12	7027	6074	ABANDON 24" PIPE IN PLACE(GROUTING)	LF	137	\$ 30.00	\$ 4,110.00
DEMOLITION ITEMS SUBTOTAL							\$ 221,906.00
TRAFFIC CONTROL PLAN							
16	0400	6006	CUT & RESTORING PAV	SY	2,163	\$ 101.62	\$ 219,776.00
17	0500	6001	MOBILIZATION	LS	1	\$ 325,000.00	\$ 325,000.00
18	0502	6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	9	\$ 8,000.00	\$ 72,000.00
19	0512	6009	PORT CTB (FUR & INST)(LOW PROF)(TY 1)	LF	400	\$ 32.07	\$ 12,828.00
20	0512	6010	PORT CTB (FUR & INST)(LOW PROF)(TY 2)	LF	80	\$ 40.78	\$ 3,263.00
21	0512	6033	PORT CTB (MOVE)(LOW PROF)(TY 1)	LF	340	\$ 6.76	\$ 2,299.00
22	0512	6034	PORT CTB (MOVE)(LOW PROF)(TY 2)	LF	60	\$ 12.51	\$ 751.00
23	0512	6057	PORT CTB (REMOVE)(LOW PROF)(TY 1)	LF	400	\$ 6.58	\$ 2,632.00
24	0512	6057	PORT CTB (REMOVE)(LOW PROF)(TY 2)	LF	80	\$ 6.58	\$ 527.00
25	0512	6080	PORT CTB CONNECT HARDWARE	EA	48	\$ 160.00	\$ 7,680.00
26	0662	6056	WK ZN PAV MRK REMOV (TRAF BTN) TY W	LF	4,734	\$ 2.42	\$ 11,457.00
27	0662	6058	WK ZN PAV MRK REMOV (TRAF BTN) TY Y	LF	8,527	\$ 2.51	\$ 21,403.00
28	0662	6080	WK ZN PAV MRK REMOV (W)(ARROW)	EA	16	\$ 156.31	\$ 2,501.00
29	0662	6081	WK ZN PAV MRK REMOV (W)(DBL ARW)	EA	4	\$ 189.61	\$ 759.00
30	0662	6048	WK ZN PAV MRK REMOV (REFL) TY I-C	EA	592	\$ 3.03	\$ 1,794.00
31	0662	6050	WK ZN PAV MRK REMOV (REFL) TY II-A-A	EA	75	\$ 3.54	\$ 266.00
32	0662	6075	WK ZN PAV MRK REMOV (W)24"(SLD)	LF	290	\$ 11.07	\$ 3,211.00
33	0662	6088	WK ZN PAV MRK REMOV (W)(TPL ARROW)	EA	4	\$ 300.00	\$ 1,200.00
34	6001	6001	PORTABLE CHANGEABLE MESSAGE SIGN	DAY	1,080	\$ 70.00	\$ 75,600.00
35	6185	6002	TMA (STATIONARY)	DAY	40	\$ 239.47	\$ 9,579.00
36	6185	6003	TMA (MOBILE OPERATION)	HR	40	\$ 74.20	\$ 2,968.00
TRAFFIC CONTROL PLAN ITEMS SUBTOTAL							\$ 777,494.00
TEMPORARY TRAFFIC SIGNAL							
37	0681	6001	TEMP TRAF SIGNALS	EA	1	\$ 57,017.00	\$ 57,017.00
38		**	TEMP VIDEO IMAGING VEHICLE DETECTION SYSTEM	LS	1	\$ 3,000.00	
39		**	TRAY CABLE (4 CONDR) (12 AWG)	LF	1,770	\$ 3.00	
40		**	TRF SIG CBL (TY A)(12 AWG)(7 CONDR)	LF	3,110	\$ 2.20	
41		**	ZINC-COATED STEEL WIRE STRAND (5/16 IN)	LF	1,650	\$ 1.50	
42		**	ZINC-COATED STEEL WIRE STRAND (1/4 IN, Horizontal)	LF	980	\$ 1.50	
43		**	CONDT (PVC) (SCH 80) (3")	LF	160	\$ 24.00	
44		**	ELEC CONDR (NO.8) BARE	LF	160	\$ 1.75	
45		**	GROUND BOX TY D	EA	3	\$ 1,200.00	
46		**	LED RDWY LUMINAIRE AND ARM	EA	6	\$ 1,500.00	
47		**	VEH SIG SEC (12")LED(GRN)	EA	8	\$ 300.00	
48		**	VEH SIG SEC (12")LED(GRN ARW)	EA	2	\$ 300.00	
49		**	VEH SIG SEC (12")LED(YEL)	EA	8	\$ 300.00	

Roundabout Construction at the Intersection of Navigation Blvd at Jensen Dr., Runnels St.

CSJ: 0912-72-386

Construction Cost Estimate - 90% Submittal

MARCH 2022



No.	Spec	Description Code	Description	Units	Quantity	Unit Cost	Total
50		**	VEH SIG SEC (12")LED(YEL ARW)	EA	2	\$ 300.00	
51		**	VEH SIG SEC (12")LED(RED)	EA	8	\$ 300.00	
52		**	VEH SIG SEC (12")LED(RED ARW)	EA	2	\$ 300.00	
53		**	BACK PLATE (12")(3 SEC)(VENTED)ALUM	EA	10	\$ 120.00	
54		**	50' TREATED TIMBER POLES ANSI CLASS 2	EA	5	\$ 1,800.00	
55		**	50' TREATED TIMBER POLES ANSI CLASS H1	EA	1	\$ 2,000.00	
TEMPORARY TRAFFIC SIGNAL ITEMS SUBTOTAL							\$ 57,017.00
ROADWAY							
37	0110	6001	EXCAVATION (ROADWAY)	CY	9,228	\$ 25.00	\$ 230,700.00
38	0132	6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	CY	261	\$ 6.79	\$ 1,773.00
39	0260	6012	LIME(HYD,COM OR QK)(SLRY)OR QK(DRY)	TON	206	\$ 188.91	\$ 38,916.00
40	0260	6073	LIME TRT (SUBGRADE)(8")	SY	8,701	\$ 3.62	\$ 31,498.00
41	0260	6079	LIME TRT (SUBGRADE)(6")	SY	2,026	\$ 4.50	\$ 9,117.00
42	3003	6006	FLY-ASH(7%)	TON	44	\$ 40.00	\$ 1,760.00
43	0340	6004	D-GR HMA(SQ) TY-A PG64-22	TON	78	\$ 80.00	\$ 6,240.00
44	0340	6272	TACK COAT	GAL	93	\$ 4.16	\$ 388.00
45	0360	6028	CONC PAV (JOINT REINF) (6")	SY	1,733	\$ 50.00	\$ 86,673.00
46	0360	6086	CONC PAV (JOINT REINF) (11")	SY	7,211	\$ 80.00	\$ 576,880.00
47	0528	6013	COLORLED TEXTURED CONC (11") - TRUCK APRON	SY	578	\$ 115.00	\$ 66,522.00
48	0529	6001	CONC CURB (TY I)	LF	401	\$ 11.63	\$ 4,664.00
49	0529	6007	CONCRETE CURB & GUTTER (TY II)	LF	82	\$ 28.65	\$ 2,350.00
50	0529	6011	CONC CURB (DOWEL)	LF	3,652	\$ 9.24	\$ 33,745.00
51	0529	6045	CONC CURB (DOWEL) (9")	LF	28	\$ 10.00	\$ 280.00
52	0530	6025	DRIVEWAYS (CONC) (FAST TRK)	SY	236	\$ 85.69	\$ 20,204.00
53	0531	6004	CURB RAMPS(TY 1)	EA	8	\$ 1,541.87	\$ 12,335.00
54	0531	6010	CURB RAMPS(TY 7)	EA	6	\$ 1,792.57	\$ 10,756.00
55	0531	6016	CURB RAMPS(TY 21)	EA	4	\$ 2,142.61	\$ 8,571.00
56	0531	6048	CONC SIDEWALKS (9")	SY	13	\$ 70.00	\$ 918.00
57	XXXX	XXXX	CONC CURB WALL	LF	598	\$ 75.00	\$ 44,850.00
58	0536	6002	CONC MEDIAN	SY	4	\$ 74.04	\$ 288.00
ROADWAY ITEMS SUBTOTAL							\$ 1,189,428.00
DRAINAGE							
59	0400	6005	CEM STABIL BKFL	CY	1,076	\$ 43.00	\$ 46,268.00
60	0400	6009	CEMENT STAB BACKFILL (INLET OR MH)	CY	301	\$ 42.63	\$ 12,832.00
61	0402	6001	TRENCH EXCAVATION PROTECTION	LF	2,053	\$ 3.07	\$ 6,303.00
62	0462	6006	CONC BOX CULV (5 FT X 2 FT)	LF	440	\$ 286.46	\$ 126,043.00
63	0462	XXXX	CONC BOX CULV (6 FT X 2 FT)	LF	12	\$ 400.00	\$ 4,800.00
64	0464	6005	RC PIPE (CL III)(24 IN)	LF	1,477	\$ 100.00	\$ 147,700.00
65	0464	6032	RC PIPE (ARCH)(CL III)(DES 3)	LF	53	\$ 170.63	\$ 9,044.00
66	0464	6033	RC PIPE (ARCH)(CL III)(DES 4)	LF	71	\$ 176.32	\$ 12,519.00
67	0465	6173	MANH (COMPL)(TY A)	EA	7	\$ 4,500.00	\$ 31,500.00
68	0465	6175	INLET (COMPL)(CURB)(TY C)	EA	17	\$ 5,000.00	\$ 85,000.00
69	0465	6176	INLET (COMPL)(CURB)(TY C1)	EA	1	\$ 5,000.00	\$ 5,000.00
70	0465	6259	INLET (COMPL)(EXT TY C)	EA	3	\$ 1,349.65	\$ 4,049.00
71	0465	6002	MANH (COMPL)(PRM)(48IN)	EA	1	\$ 10,000.00	\$ 10,000.00
72	0465	6170	INLET (COMPL) (AZ)	EA	1	\$ 4,677.73	\$ 4,678.00
73	0465	6177	INLET (COMPL) (AZ2G)	EA	2	\$ 5,096.32	\$ 10,193.00
DRAINAGE ITEMS SUBTOTAL							\$ 515,929.00
WATER LINE							
74	0402	6001	TRENCH EXCAVATION PROTECTION	LF	188	\$ 3.07	\$ 578.00
75	7049	6188	WATER MAIN PIPE (DI)(6IN)(RESTR JT)	LF	9	\$ 175.00	\$ 1,575.00
76	7049	6166	WATER MAIN PIPE (DI)(8IN)(RESTR JT)	LF	118	\$ 200.00	\$ 23,600.00

Roundabout Construction at the Intersection of Navigation Blvd at Jensen Dr., Runnels St.

CSJ: 0912-72-386

Construction Cost Estimate - 90% Submittal

MARCH 2022



No.	Spec	Description Code	Description	Units	Quantity	Unit Cost	Total
77	7049	6189	WATER MAIN PIPE (PVC)(12IN)(RESTR JT)	LF	47	\$ 180.00	\$ 8,460.00
78	7049	6056	JK TN BR AG WTR MN(PVC)(8IN)(RESTR JNT)	LF	395	\$ 140.00	\$ 55,300.00
79	7049	6052	FIRE HYDRANT BRANCH (LEAD) (6IN)	LF	14	\$ 90.00	\$ 1,260.00
80	7049	6104	FIRE HYDRANT ASSEMBLY	EA	2	\$ 5,649.84	\$ 11,300.00
81	7049	6119	REMOVING AND SALVAGING FIRE HYDRANT	EA	1	\$ 709.34	\$ 710.00
82	7049	6126	CUT AND PLUG WATER MAIN (6IN)	EA	1	\$ 1,440.97	\$ 1,441.00
83	7049	6127	CUT AND PLUG WATER MAIN (8IN)	EA	2	\$ 1,966.35	\$ 3,933.00
84	7049	6129	CUT AND PLUG WATER MAIN (12IN)	EA	1	\$ 2,042.55	\$ 2,043.00
85	7049	6139	WET CONNECTION (6IN)	EA	1	\$ 1,750.00	\$ 1,750.00
86	7049	6140	WET CONNECTION (8IN)	EA	1	\$ 2,000.00	\$ 2,000.00
87	7049	6140	WET CONNECTION (12IN)	EA	1	\$ 2,250.00	\$ 2,250.00
WATER LINE ITEMS SUBTOTAL							\$ 116,200.00
SANITARY SEWER							
88	7017	6128	REMOVE EXIST SAN SWR PIPE (6IN)	LF	40	\$ 24.72	\$ 989.00
89	7017	6129	REMOVE EXIST SAN SWR PIPE (8IN)	LF	31	\$ 22.00	\$ 682.00
90	7017	6017	SAN SWR (8IN) (PVC) (SDR 26) WITH RESTRAINED JOINTS	LF	51	\$ 310.00	\$ 15,810.00
91	7017	6016	SAN SWR (6IN) (PVC) (SDR 26) WITH RESTRAINED JOINTS	LF	40	\$ 300.00	\$ 12,000.00
SANITARY SEWER ITEMS SUBTOTAL							\$ 29,481.00
PAVEMENT MARKINGS							
92	0666	6003	REFL PAV MRK TY I (W)4"(BRK)(100MIL)	LF	1,378	\$ 1.09	\$ 1,503.00
93	0666	6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	LF	162	\$ 1.37	\$ 222.00
94	0666	6012	REFL PAV MRK TY I (W)4"(SLD)(100MIL)	LF	1,968	\$ 1.09	\$ 2,146.00
95	0666	6030	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF	234	\$ 0.80	\$ 188.00
96	0666	6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	350	\$ 6.93	\$ 2,426.00
97	0666	6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	EA	17	\$ 135.36	\$ 2,302.00
98	0666	6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	EA	3	\$ 155.08	\$ 466.00
99	0666	6099	REF PAV MRK TY I (W)18"(YLD TRI)(100MIL)	EA	53	\$ 27.66	\$ 1,466.00
100	0666	6126	REFL PAV MRK TY I (Y)4"(SLD)(100MIL)	LF	2,057	\$ 1.09	\$ 2,243.00
101	0666	XXXX	REFL PAV MRK TY I (G) (24") (SLD)(100MIL)	LF	139	\$ 1.50	\$ 209.00
102	0677	6001	ELIM EXT PAV MRK & MRKS (4")	LF	497	\$ 0.28	\$ 140.00
103	0678	6001	PAV SURF PREP FOR MRK (4")	LF	5,565	\$ 0.13	\$ 724.00
104	0678	6004	PAV SURF PREP FOR MRK (8")	LF	234	\$ 0.25	\$ 59.00
105	0678	6008	PAV SURF PREP FOR MRK (24")	LF	489	\$ 1.28	\$ 626.00
106	0678	6009	PAV SURF PREP FOR MRK (ARROW)	EA	7	\$ 15.24	\$ 107.00
107	0678	6010	PAV SURF PREP FOR MRK (DBL ARROW)	EA	8	\$ 48.99	\$ 392.00
108	0678	6011	PAV SURF PREP FOR MRK (TPL ARROW)	EA	4	\$ 20.25	\$ 81.00
109	0678	6016	PAV SURF PREP FOR MRK (WORD)	EA	4	\$ 17.13	\$ 69.00
110	0678	6022	PAV SURF PREP FOR MRK (18")(YLD TRI)	EA	53	\$ 6.75	\$ 358.00
PAVEMENT MARKINGS ITEMS SUBTOTAL							\$ 15,727.00
SMALL SIGNS							
111	0636	6001	ALUMINUM SIGNS (TY A)	SF	331	\$ 37.24	\$ 12,327.00
112	0644	6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	32	\$ 649.71	\$ 20,791.00
113	0644	6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	4	\$ 726.31	\$ 2,906.00
114	0644	6006	IN SM RD SN SUP&AM TY10BWG(1)SA(U)	EA	4	\$ 844.75	\$ 3,379.00
SMALL SIGNS ITEMS SUBTOTAL							\$ 39,403.00
ILLUMINATION							
115	0618	6047	COND(PVC)(SCH 80)(2")(BORE)	LF	818	\$ 20.00	\$ 16,360.00
116	0624	6009	GROUND BOX TY D(162922)	EA	11	\$ 800.00	\$ 8,800.00
117	0628	6002	REMOVE ELECTRICALSERVICES	EA	8	\$ 712.73	\$ 5,702.00
ILLUMINATION ITEMS SUBTOTAL							\$ 30,862.00
LANDSCAPING							
118	0100	6006	TREE REMOVAL (LESS THAN 24")	EA	15	\$ 1,300.00	\$ 19,500.00

Roundabout Construction at the Intersection of Navigation Blvd at Jensen Dr., Runnels St.

CSI: 0912-72-386

Construction Cost Estimate - 90% Submittal

MARCH 2022



No.	Spec	Description Code	Description	Units	Quantity	Unit Cost	Total
119	0161	6009	EROSION CONTROL COMPOST	CY	13.3	\$ 17.00	\$ 227.00
120	0161	6012	GENERAL USE COMPOST	CY	6.7	\$ 18.00	\$ 121.00
121	0162	6002	BLOCK SODDING	SY	4,472	\$ 3.06	\$ 13,685.00
122	0166	6001	FERTILIZER	AC	0.92	\$ 675.00	\$ 621.00
123	0168	6001	VEGETATIVE WATERING	MG	111	\$ 16.00	\$ 1,776.00
124	0170	6002	IRRIGATION	LS	1	\$ 70,000.00	\$ 70,000.00
125	0192	6027	PLANT MATERIAL (100 GAL) (TREE)	EA	19	\$ 1,250.00	\$ 23,750.00
126	0192	6025	PLANT MATERIAL (45 GAL) (TREE)	EA	11	\$ 850.00	\$ 9,350.00
127	0193	6001	BLOCK SODDING MAINTENANCE	MO	3	\$ 3,064.08	\$ 9,193.00
128	0528	6004	LANDSCAPE PAVERS	SY	45	\$ 60.00	\$ 2,700.00
129	1002	6001	LANDSCAPE AMENITY (BRONZE MEDALLION)	EA	9	\$ 2,500.00	\$ 22,500.00
130	1002	6002	LANDSCAPE AMENITY TY I (CAST STONE STREET MARKER)	EA	9	\$ 2,500.00	\$ 22,500.00
131	1004	6001	TREE PROTECTION	EA	39	\$ 339.53	\$ 13,242.00
132	1006	6001	LANDSCAPE SOIL AMENDMENT (TYPE I)	SY	120	\$ 0.16	\$ 20.00
133	1006	6002	LANDSCAPE SOIL AMENDMENT (TYPE II)	SY	120	\$ 0.14	\$ 17.00
134	1006	6003	LANDSCAPE SOIL AMENDMENT (TYPE III)	SY	30	\$ 0.31	\$ 10.00
135	1006	6004	LANDSCAPE SOIL AMENDMENT (TYPE IV)	SY	90	\$ 0.20	\$ 18.00
LANDSCAPING ITEMS SUBTOTAL							\$ 209,230.00
STORM WATER POLLUTION PREVENTION							
136	0506	6020	CONSTRUCTION EXITS (INSTALL)(TY 1)	SY	450	\$ 18.99	\$ 8,546.00
137	0506	6024	CONSTRUCTION EXITS (REMOVE)	SY	450	\$ 6.48	\$ 2,916.00
138	0506	6038	TEMP SEDMT CONT FENCE(INSTALL)	LF	2,282	\$ 2.72	\$ 6,208.00
139	0506	6039	TEMP SEDMT CONT FENCE(REMOVE)	LF	2,282	\$ 0.74	\$ 1,689.00
140	0506	6041	BIODEG EROSN CONTLOGS(INSTL)(12")	LF	282	\$ 4.78	\$ 1,348.00
141	0506	6043	BIODEG EROSN CONTLOGS(REMOVE)	LF	282	\$ 1.14	\$ 322.00
STORM WATER POLLUTION PREVENTION ITEMS SUBTOTAL							\$ 21,029.00
FORCE ACCOUNT							
142			STREET CUT PERMITS	LS	1	\$ 5,000.00	\$ 5,000.00
143			STREETLIGHTS	EA	11	\$ 4,000.00	\$ 44,000.00
144			OFF-DUTY UNIFORMED POLICE OFFICERS - PART TIME	HR	1,120	\$ 50.00	\$ 56,000.00
FORCE ACCOUNT ITEMS SUBTOTAL							\$ 105,000.00
GENERAL							
145	0730	6107	FULL - WIDTH MOWING	CYC	3	\$ 2,000.00	\$ 6,000.00
146	0734	6002	LITTER REMOVAL	CYC	3	\$ 1,700.00	\$ 5,100.00
147	0735	6001	DEBRIS REMOVAL (CNTR MEDIANS/MAINLANES)	CYC	18	\$ 700.00	\$ 12,600.00
148	0738	6001	CLEANING / SWEEPING (CENTER MEDIAN)	CYC	9	\$ 2,000.00	\$ 18,000.00
GENERAL ITEMS SUBTOTAL							\$ 41,700.00
						SUBTOTAL	\$ 3,370,406.00
						CONTINGENCY(10%)	\$ 337,040.60
TOTAL CONSTRUCTION ESTIMATE							\$ 3,707,446.60



CITY OF BAYTOWN

PUBLIC WORKS & ENGINEERING DEPARTMENT

2123 Market Street
Baytown, Texas 77520
(281) 420-5300

May 9, 2022

Mr. Craig Rayborn
Director of Transportation
Houston-Galveston Area Council
PO Box 22777
Houston, TX 77227

RE: Garth Rd. Widening from I-10 to SH 146; Phase A & B
CSJ: 0912-72-359
Request for Additional Funds

Dear Mr. Rayborn,

The City of Baytown would like to clarify the request for additional funding made in the letter dated April 12, 2022, to outline the cost share. The clarification has been included in italicized text below. The City appreciates the opportunity for clarification, and consideration of this request.

Letter of Request sent on April 12, 2022:

The City of Baytown was awarded funding for the Garth Rd. Widening Project, CSJ 0912-72-359 in 2016. In July of 2020, HGAC agreed to an amendment to shift federal funds to Phase A and B for construction. The City and TxDOT are now working through an amendment to the Advanced Funding Agreement.

The City of Baytown has reached the 90% design stage, and continues with utility coordination activities. The City and TxDOT are now reviewing the 90% submittal package. The opinion of probable construction costs showed significant cost escalation based on recent project bid prices, and continued effects of supply chain issues and inflation.

The Houston Metro region has been experiencing construction cost escalations, which are steep and severe, with bid prices escalating 21% between September 2020 and March 2022 and the Consumer Price Index increasing 8% over the last 12 months. The City of Baytown respectfully submits the engineer's opinion of probable construction cost from the 90% submittal package, and requests additional funding in the amount of \$3,500,000 000 *(for a 50/50 percent split of \$1,750,000 each)* for the construction of this project.

If any clarifications are needed, you may reach me at 281-420-7154 or via email at andrea.brinkley@baytown.org.

Sincerely,



Andrea Brinkley, PMP
Assistant Director-Capital Projects

Attachments:

Letter dated April 12, 2022, Requesting Additional Funds
Garth Rd Widening Project Opinion of Probable Construction Costs

CC: File
Frank O. Simoneaux Jr., City of Baytown
Marvaughon Bolin, City of Baytown
Kent McLemore, TxDOT
Grant Chim, TxDOT
Mark Patterson, TxDOT
Catherine McCreight, TxDOT
Jeffery English, TxDOT
Adam Beckom, HGAC
Jim Dickinson, HGAC
Connie Curtis, KHA



CITY OF BAYTOWN

PUBLIC WORKS & ENGINEERING DEPARTMENT

2123 Market Street
Baytown, Texas 77520
(281) 420-5300

April 12, 2022

Mr. Craig Rayborn
Director of Transportation
Houston-Galveston Area Council
PO Box 22777
Houston, TX 77227

RE: Garth Rd. Widening from I-10 to SH 146; Phase A & B
CSJ: 0912-72-359
Request for Additional Funds

Dear Mr. Rayborn,

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Sincerely,

Andrea Brinkley, PMP
Assistant Director-Capital Projects

Attachment: Garth Rd Widening Project Opinion of Probable Construction Costs

CC: File
Frank O. Simoneaux Jr., City of Baytown
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Mark Patterson, TxDOT
Catherine McCreight, TxDOT
Jeffery English, TxDOT
Adam Beckom, HGAC
Jim Dickinson, HGAC
Connie Curtis, KHA
Vishu Lingala, HGAC

**ENGINEER'S OPINION OF ESTIMATED CONSTRUCTION COSTS - 90% SUBMITTAL
GARTH RD RECONSTRUCTION - PHASE A AND B
CSJ: 0912-72-359
HARRIS COUNTY, TEXAS**

**PREPARED FOR: CITY OF BAYTOWN
PREPARED BY: KIMLEY-HORN**

DATE: 2/2/2022

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE PER UNIT	AMOUNT
TRAFFIC CONTROL PLAN					
0400 6006	CUT & RESTORE PAV	SY	309.0	\$ 150.00	\$ 46,350.00
0401 6001	FLOWABLE BACKFILL	CY	210.0	\$ 200.00	\$ 42,000.00
0500 6001	MOBILIZATION	LS	1.0	\$ 3,513,184.92	\$ 3,513,184.92
0502 6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	22.0	\$ 10,000.00	\$ 220,000.00
0508 6001	CONSTRUCTING DETOURS	SY	2128.0	\$ 60.00	\$ 127,680.00
0512 6009	PORT CTB (FUR & INST)(LOW PROF)(TY 1)	LF	6600.0	\$ 50.00	\$ 330,000.00
0512 6010	PORT CTB (FUR & INST)(LOW PROF)(TY 2)	LF	1080.0	\$ 60.00	\$ 64,800.00
0512 6033	PORT CTB (MOVE)(LOW PROF)(TY 1)	LF	13640.0	\$ 8.00	\$ 109,120.00
0512 6034	PORT CTB (MOVE)(LOW PROF)(TY 2)	LF	2100.0	\$ 12.00	\$ 25,200.00
0512 6045	PORT CTB (STKPL)(LOW PROF)(TY 1)	LF	40.0	\$ 15.00	\$ 600.00
0512 6046	PORT CTB (STKPL)(LOW PROF)(TY 2)	LF	840.0	\$ 15.00	\$ 12,600.00
0512 6057	PORT CTB (REMOVE)(LOW PROF)(TY 1)	LF	6600.0	\$ 15.00	\$ 99,000.00
0512 6058	PORT CTB (REMOVE)(LOW PROF)(TY 2)	LF	1080.0	\$ 15.00	\$ 16,200.00
0662 6057	WK ZN PAV MRK REMOV (TRAF BTN) TY W	LF	23307.0	\$ 1.00	\$ 23,307.00
0662 6059	WK ZN PAV MRK REMOV (TRAF BTN) TY Y	LF	41812.0	\$ 1.00	\$ 41,812.00
0662 6060	WK ZN PAV MRK REMOV (W)4"(BRK)	LF	2234.0	\$ 1.50	\$ 3,351.00
0662 6063	WK ZN PAV MRK REMOV (W)4"(SLD)	LF	27462.0	\$ 1.50	\$ 41,193.00
0662 6075	WK ZN PAV MRK REMOV (W)24"(SLD)	LF	987.0	\$ 8.00	\$ 7,896.00
0662 6095	WK ZN PAV MRK REMOV (Y)4"(SLD)	LF	32150.0	\$ 1.50	\$ 48,225.00
0677 6001	ELIM EXT PAV MRK & MRKS (4")	LF	14087.0	\$ 1.00	\$ 14,087.00
0677 6008	ELIM EXT PAV MRK & MRKS (ARROW)	EA	21.0	\$ 50.00	\$ 1,050.00
0677 6012	ELIM EXT PAV MRK & MRKS (WORD)	EA	10.0	\$ 50.00	\$ 500.00
6001 6002	PORTABLE CHANGEABLE MESSAGE SIGN	EA	13.0	\$ 25,000.00	\$ 325,000.00
6185 6002	TMA (STATIONARY)	DAY	1600.0	\$ 250.00	\$ 400,000.00
6185 6003	TMA (MOBILE OPERATION)	HR	250.0	\$ 75.00	\$ 18,750.00
REMOVAL					
0104 6001	REMOVING CONC (PAV)	SY	53137.0	\$ 8.00	\$ 425,096.00
0104 6009	REMOVING CONC (RIPRAP)	SY	187.0	\$ 15.00	\$ 2,805.00
0104 6011	REMOVING CONC (MEDIANS)	SY	539.0	\$ 15.00	\$ 8,085.00
0104 6017	REMOVING CONC (DRIVEWAYS)	SY	6516.0	\$ 15.00	\$ 97,740.00
0104 6021	REMOVING CONC (CURB)	LF	8558.0	\$ 8.00	\$ 68,464.00
0104 6022	REMOVING CONC (CURB AND GUTTER)	LF	241.0	\$ 10.00	\$ 2,410.00
0104 6036	REMOVING CONC (SIDEWALK OR RAMP)	SY	1198.0	\$ 20.00	\$ 23,960.00
0104 6054	REMOVING CONCRETE(MOW STRIP)	LF	288.0	\$ 15.00	\$ 4,320.00
0105 6081	REMOV STAB BASE & ASPH PAV (4"-14")	SY	2461.0	\$ 10.00	\$ 24,610.00
0496 6002	REMOV STR (INLET)	EA	23.0	\$ 800.00	\$ 18,400.00
0496 6003	REMOV STR (MANHOLE)	EA	25.0	\$ 1,000.00	\$ 25,000.00
0496 6004	REMOV STR (SET)	EA	58.0	\$ 500.00	\$ 29,000.00
0496 6005	REMOV STR (WINGWALL)	EA	1.0	\$ 4,000.00	\$ 4,000.00
0496 6007	REMOV STR (PIPE)	LF	6259.0	\$ 20.00	\$ 125,180.00
0496 6008	REMOV STR (BOX CULVERT)	LF	498.0	\$ 70.00	\$ 34,860.00
0542 6001	REMOVE METAL BEAM GUARD FENCE	LF	250.0	\$ 5.00	\$ 1,250.00
0542 6002	REMOVE TERMINAL ANCHOR SECTION	EA	2.0	\$ 250.00	\$ 500.00
0542 6003	REMOVE DOWNSTREAM ANCHOR TERMINAL	EA	2.0	\$ 250.00	\$ 500.00

**ENGINEER'S OPINION OF ESTIMATED CONSTRUCTION COSTS - 90% SUBMITTAL
 GARTH RD RECONSTRUCTION - PHASE A AND B
 CSJ: 0912-72-359
 HARRIS COUNTY, TEXAS**

**PREPARED FOR: CITY OF BAYTOWN
 PREPARED BY: KIMLEY-HORN**

DATE: 2/2/2022

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE PER UNIT	AMOUNT
ROADWAY					
0100 6002	PREPARING ROW	STA	65.8	\$ 12,000.00	\$ 789,600.00
0110 6001	EXCAVATION (ROADWAY)	CY	38534.0	\$ 15.00	\$ 578,010.00
0132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	8832.0	\$ 20.00	\$ 176,640.00
0260 6006	LIME TRT (EXST MATL) (6")	SY	67019.0	\$ 5.00	\$ 335,095.00
0260 6012	LIME(HYD,COM OR QK)(SLRY)OR QK(DRY)	TON	911.0	\$ 225.00	\$ 204,975.00
0276 6224	CEM TRT(PLNT MX) (CL N)(TY E)(GR 4)(6")	SY	67019.0	\$ 12.00	\$ 804,228.00
0292 6017	ASPHALT STAB BASE (GR 4)(PG 64)	TON	3690.0	\$ 100.00	\$ 369,000.00
0360 6005	CONC PVMT (CONT REINF - CRCP) (11")	SY	59417.0	\$ 110.00	\$ 6,535,870.00
0360 6050	(CONT REINF)(FAST TRK)(11")	SY	2028.0	\$ 130.00	\$ 263,640.00
0420 6012	CL B CONC (MISC)	CY	55.0	\$ 500.00	\$ 27,500.00
0529 6002	CONC CURB (TY II)	LF	11781.0	\$ 15.00	\$ 176,715.00
0529 6005	CONC CURB (MONO) (TY II)	LF	11766.0	\$ 8.00	\$ 94,128.00
0529 6008	CONC CURB & GUTTER (TY II)	LF	163.0	\$ 30.00	\$ 4,890.00
0529 6015	CONC CURB (TY C1)	LF	1483.0	\$ 90.00	\$ 133,470.00
0530 6004	DRIVEWAYS (CONC)	SY	5607.0	\$ 90.00	\$ 504,630.00
0531 6001	CONC SIDEWALKS (4")	SY	1734.0	\$ 65.00	\$ 112,710.00
0531 6003	CONC SIDEWALKS (6")	SY	6766.0	\$ 85.00	\$ 575,110.00
0531 6005	CURB RAMPS (TY 2)	EA	1.0	\$ 2,500.00	\$ 2,500.00
0531 6006	CURB RAMPS (TY 3)	EA	8.0	\$ 2,500.00	\$ 20,000.00
0531 6008	CURB RAMPS (TY 5)	EA	1.0	\$ 2,500.00	\$ 2,500.00
0531 6009	CURB RAMPS (TY 6)	EA	14.0	\$ 2,500.00	\$ 35,000.00
0531 6010	CURB RAMPS (TY 7)	EA	18.0	\$ 2,500.00	\$ 45,000.00
0531 6013	CURB RAMPS (TY 10)	EA	4.0	\$ 2,500.00	\$ 10,000.00
0536 6002	CONC MEDIAN	SY	254.0	\$ 80.00	\$ 20,320.00

**ENGINEER'S OPINION OF ESTIMATED CONSTRUCTION COSTS - 90% SUBMITTAL
GARTH RD RECONSTRUCTION - PHASE A AND B
CSJ: 0912-72-359
HARRIS COUNTY, TEXAS**

**PREPARED FOR: CITY OF BAYTOWN
PREPARED BY: KIMLEY-HORN**

DATE: 2/2/2022

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE PER UNIT	AMOUNT
TRAFFIC					
0416 6032	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	108.0	\$ 325.00	\$ 35,100.00
0416 6034	DRILL SHAFT (TRF SIG POLE) (48 IN)	LF	264.0	\$ 425.00	\$ 112,200.00
0618 6046	CONDT (PVC) (SCH 80) (2")	LF	750.0	\$ 12.00	\$ 9,000.00
0618 6047	CONDT (PVC) (SCH 80) (2") (BORE)	LF	2105.0	\$ 25.00	\$ 52,625.00
0618 6053	CONDT (PVC) (SCH 80) (3")	LF	520.0	\$ 16.00	\$ 8,320.00
0618 6054	CONDT (PVC) (SCH 80) (3") (BORE)	LF	1715.0	\$ 28.00	\$ 48,020.00
0618 6058	CONDT (PVC) (SCH 80) (4")	LF	260.0	\$ 24.00	\$ 6,240.00
0618 6059	CONDT (PVC) (SCH 80) (4") (BORE)	LF	265.0	\$ 32.00	\$ 8,480.00
0620 6009	ELEC CONDR (NO.6) BARE	LF	2915.0	\$ 1.60	\$ 4,664.00
0620 6011	ELEC CONDR (NO.4) BARE	LF	90.0	\$ 2.00	\$ 180.00
0620 6012	ELEC CONDR (NO.4) INSULATED	LF	155.0	\$ 2.80	\$ 434.00
0621 6002	TRAY CABLE (3 CONDR) (12 AWG)	LF	3505.0	\$ 2.40	\$ 8,412.00
0621 6005	TRAY CABLE (4 CONDR) (12 AWG)	LF	3200.0	\$ 2.20	\$ 7,040.00
0624 6010	GROUND BOX TY D (162922)W/APRON	EA	21.0	\$ 1,150.00	\$ 24,150.00
0628 6146	ELC SRV TY D 120/240 060(NS)SS(E)SP(U)	EA	5.0	\$ 5,000.00	\$ 25,000.00
0680 6003	INSTALL HWY TRF SIG (SYSTEM)	EA	5.0	\$ 50,000.00	\$ 250,000.00
0680 6004	REMOVING TRAFFIC SIGNALS	EA	5.0	\$ 4,000.00	\$ 20,000.00
0680 6011	INSTALL HWY TRF SIG (UPGRADE)	EA	1.0	\$ 5,000.00	\$ 5,000.00
0681 6001	TEMP TRAF SIGNALS	EA	5.0	\$ 50,000.00	\$ 250,000.00
0682 6001	VEH SIG SEC (12")LED(GRN)	EA	50.0	\$ 250.00	\$ 12,500.00
0682 6002	VEH SIG SEC (12")LED(GRN ARW)	EA	16.0	\$ 250.00	\$ 4,000.00
0682 6003	VEH SIG SEC (12")LED(YEL)	EA	50.0	\$ 250.00	\$ 12,500.00
0682 6004	VEH SIG SEC (12")LED(YEL ARW)	EA	32.0	\$ 250.00	\$ 8,000.00
0682 6005	VEH SIG SEC (12")LED(RED)	EA	48.0	\$ 250.00	\$ 12,000.00
0682 6006	VEH SIG SEC (12")LED(RED ARW)	EA	16.0	\$ 250.00	\$ 4,000.00
0682 6018	PED SIG SEC (LED)(COUNTDOWN)	EA	40.0	\$ 600.00	\$ 24,000.00
0682 6035	BACK PLATE (12")(3 SEC)(VENTED)ALUM	EA	50.0	\$ 150.00	\$ 7,500.00
0682 6036	BACK PLATE (12")(4 SEC)(VENTED)ALUM	EA	16.0	\$ 150.00	\$ 2,400.00
0684 6007	TRF SIG CBL (TY A)(12 AWG)(2 CONDR)	LF	4820.0	\$ 1.70	\$ 8,194.00
0684 6009	TRF SIG CBL (TY A)(12 AWG)(4 CONDR)	LF	5075.0	\$ 2.00	\$ 10,150.00
0684 6012	TRF SIG CBL (TY A)(12 AWG)(7 CONDR)	LF	7750.0	\$ 2.70	\$ 20,925.00
0686 6035	INS TRF SIG PL AM(S)1 ARM(32')LUM	EA	4.0	\$ 9,000.00	\$ 36,000.00
0686 6039	INS TRF SIG PL AM(S)1 ARM(36')LUM	EA	2.0	\$ 10,000.00	\$ 20,000.00
0686 6043	INS TRF SIG PL AM(S)1 ARM(40')LUM	EA	2.0	\$ 10,500.00	\$ 21,000.00
0686 6055	INS TRF SIG PL AM(S)1 ARM(50')LUM	EA	2.0	\$ 25,000.00	\$ 50,000.00
0686 6059	INS TRF SIG PL AM(S)1 ARM(55')LUM	EA	1.0	\$ 26,000.00	\$ 26,000.00
0686 6063	INS TRF SIG PL AM(S)1 ARM(60')LUM	EA	8.0	\$ 26,500.00	\$ 212,000.00
0686 6067	INS TRF SIG PL AM(S)1 ARM(65')LUM	EA	1.0	\$ 27,000.00	\$ 27,000.00
0687 6001	PED POLE ASSEMBLY	EA	21.0	\$ 2,100.00	\$ 44,100.00
0688 6001	PED DETECT PUSH BUTTON (APS)	EA	42.0	\$ 800.00	\$ 33,600.00
0688 6003	PED DETECTOR CONTROLLER UNIT	EA	5.0	\$ 3,200.00	\$ 16,000.00
6058 6001	BBU SYSTEM (EXTERNAL BATT CABINET)	EA	5.0	\$ 6,500.00	\$ 32,500.00
6090 6001	ILSN (LED) (6 D)	EA	16.0	\$ 2,900.00	\$ 46,400.00
6090 6002	ILSN (LED) (8 D)	EA	4.0	\$ 3,000.00	\$ 12,000.00
6292 6003	RVDS(PRESENCE AND ADVANCE DET)	EA	10.0	\$ 7,000.00	\$ 70,000.00
SS 8317	WIRELESS ETHERNET BROADBAND RADIO, INTUICOM (OR EQUAL)	EA	5.0	\$ 5,000.00	\$ 25,000.00

**ENGINEER'S OPINION OF ESTIMATED CONSTRUCTION COSTS - 90% SUBMITTAL
GARTH RD RECONSTRUCTION - PHASE A AND B
CSJ: 0912-72-359
HARRIS COUNTY, TEXAS**

**PREPARED FOR: CITY OF BAYTOWN
PREPARED BY: KIMLEY-HORN**

DATE: 2/2/2022

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE PER UNIT	AMOUNT
SIGNING AND PAVEMENT MARKINGS					
0560 6025	RELOCATE EXISTING MAILBOX	EA	5.0	\$ 550.00	\$ 2,750.00
0644 6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	17.0	\$ 550.00	\$ 9,350.00
0644 6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	2.0	\$ 700.00	\$ 1,400.00
0644 6068	RELOCATE SM RD SN SUP&AM TY 10BWG	EA	14.0	\$ 300.00	\$ 4,200.00
0644 6076	REMOVE SM RD SN SUP&AM	EA	22.0	\$ 150.00	\$ 3,300.00
0658 6047	INSTL OM ASSM (OM-2Y)(WC)GND	EA	8.0	\$ 70.00	\$ 560.00
0666 6018	REFL PAV MRK TY I (W)6"(DOT)(100MIL)	LF	18.0	\$ 2.00	\$ 36.00
0666 6021	REFL PAV MRK TY I (W)6"(LNDP)(100MIL)	LF	63.0	\$ 2.00	\$ 126.00
0666 6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF	5971.0	\$ 3.00	\$ 17,913.00
0666 6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	LF	4787.0	\$ 4.00	\$ 19,148.00
0666 6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	969.0	\$ 8.00	\$ 7,752.00
0666 6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	EA	68.0	\$ 250.00	\$ 17,000.00
0666 6072	REFL PAV MRK TY I(W)(LNDP ARW)(100MIL)	EA	3.0	\$ 350.00	\$ 1,050.00
0666 6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	EA	53.0	\$ 250.00	\$ 13,250.00
0666 6141	REFL PAV MRK TY I (Y)12"(SLD)(100MIL)	LF	581.0	\$ 4.00	\$ 2,324.00
0666 6156	REFL PAV MRK TY I(Y)(MED NOSE)(100MIL)	EA	1.0	\$ 500.00	\$ 500.00
0666 6225	PAVEMENT SEALER 6"	LF	18539.0	\$ 0.25	\$ 4,634.75
0666 6226	PAVEMENT SEALER 8"	LF	5971.0	\$ 0.50	\$ 2,985.50
0666 6228	PAVEMENT SEALER 12"	LF	5368.0	\$ 1.00	\$ 5,368.00
0666 6230	PAVEMENT SEALER 24"	LF	969.0	\$ 2.00	\$ 1,938.00
0666 6231	PAVEMENT SEALER (ARROW)	EA	68.0	\$ 15.00	\$ 1,020.00
0666 6232	PAVEMENT SEALER (WORD)	EA	53.0	\$ 15.00	\$ 795.00
0666 6233	PAVEMENT SEALER (MED NOSE)	EA	1.0	\$ 100.00	\$ 100.00
0666 6237	PAVEMENT SEALER (LNDP ARROW)	EA	3.0	\$ 50.00	\$ 150.00
0666 6306	RE PM W/RET REQ TY I (W)6"(BRK)(100MIL)	LF	6118.0	\$ 2.00	\$ 12,236.00
0666 6309	RE PM W/RET REQ TY I (W)6"(SLD)(100MIL)	LF	3942.0	\$ 2.00	\$ 7,884.00
0666 6321	RE PM W/RET REQ TY I (Y)6"(SLD)(100MIL)	LF	8398.0	\$ 2.00	\$ 16,796.00
0666 6440	REFL PAV MRK TY II (Y)(CURB)	LF	8146.0	\$ 4.00	\$ 32,584.00
0672 6009	REFL PAV MRKR TY II-A-A	EA	434.0	\$ 5.00	\$ 2,170.00
0672 6010	REFL PAV MRKR TY II-C-R	EA	555.0	\$ 5.00	\$ 2,775.00
0678 6002	PAV SURF PREP FOR MRK (6")	LF	18539.0	\$ 0.25	\$ 4,634.75
0678 6004	PAV SURF PREP FOR MRK (8")	LF	5971.0	\$ 0.50	\$ 2,985.50
0678 6006	PAV SURF PREP FOR MRK (12")	LF	5368.0	\$ 0.75	\$ 4,026.00
0678 6008	PAV SURF PREP FOR MRK (24")	LF	969.0	\$ 1.00	\$ 969.00
0678 6009	PAV SURF PREP FOR MRK (ARROW)	EA	71.0	\$ 10.00	\$ 710.00
0678 6016	PAV SURF PREP FOR MRK (WORD)	EA	53.0	\$ 10.00	\$ 530.00

**ENGINEER'S OPINION OF ESTIMATED CONSTRUCTION COSTS - 90% SUBMITTAL
 GARTH RD RECONSTRUCTION - PHASE A AND B
 CSJ: 0912-72-359
 HARRIS COUNTY, TEXAS**

**PREPARED FOR: CITY OF BAYTOWN
 PREPARED BY: KIMLEY-HORN**

DATE: 2/2/2022

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE PER UNIT	AMOUNT
LANDSCAPING					
0528 6001	STAMPED CONCRETE MEDIAN	SY	3089.8	\$ 80.00	\$ 247,185.60
PLANS	STAMPED CONCRETE CROSSWALK	CY	1210.1	\$ 120.00	\$ 145,206.00
PLANS	MOW STRIP	SF	1078.0	\$ 240.00	\$ 258,729.60
PLANS	DECOMPOSED GRANITE	CY	30.2	\$ 100.00	\$ 3,021.00
PLANS	RIVER ROCK	CY	93.3	\$ 300.00	\$ 27,975.00
PLANS	ART STACK	EA	38.0	\$ 2,500.00	\$ 95,000.00
PLANS	ENTRY SIGN	EA	1.0	\$ 25,000.00	\$ 25,000.00
2811	IRRIGATION	LS	1.0	\$ 20,000.00	\$ 20,000.00
2931	LANDSCAPE	LS	1.0	\$ 87,800.00	\$ 87,800.00
329350	LANDSCAPE MAINTENANCE	MO	18.0	\$ 3,500.00	\$ 63,000.00
0618 6016	CONDT (PVC) (SCH 40) (1")	LF	2300.0	\$ 6.00	\$ 13,800.00
0618 6023	CONDT (PVC) (SCH 40) (2")	LF	2300.0	\$ 15.00	\$ 34,500.00
0618 6024	CONDT (PVC) (SCH 40) (2") (BORE)	LF	4700.0	\$ 30.00	\$ 141,000.00
0620 6007	ELEC CONDR (NO.8) BARE	LF	9300.0	\$ 2.00	\$ 18,600.00
0620 6008	ELEC CONDR (NO.8) INSULATED	LF	26600.0	\$ 3.00	\$ 79,800.00
0624 6002	GROUND BOX TY A (122311)W/APRON	EA	15.0	\$ 1,200.00	\$ 18,000.00
0628 6045	ELC SRV TY A 240/480 060(NS)SS(E)SP(O)	EA	1.0	\$ 7,500.00	\$ 7,500.00
PLANS	LIGHT CONTROL SYSTEM	EA	1.0	\$ 5,000.00	\$ 5,000.00
PLANS	TREE UPLIGHT	EA	20.0	\$ 750.00	\$ 15,000.00
PLANS	SIGN UPLIGHT	EA	1.0	\$ 1,000.00	\$ 1,000.00
PLANS	ART STACK LIGHTING	EA	9.0	\$ 2,000.00	\$ 18,000.00

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HARRIS COUNTY, TEXAS**

**PREPARED FOR: CITY OF BAYTOWN
PREPARED BY: KIMLEY-HORN**

DATE: 2/2/2022

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE PER UNIT	AMOUNT
DRAINAGE					
0402 6001	TRENCH EXCAVATION PROTECTION	LF	12808.0	\$ 2.50	\$ 32,020.00
0432 6014	RIPRAP (STONE TY R)(DRY)(6 IN)	CY	96.0	\$ 150.00	\$ 14,400.00
0450 6103	RAIL (TY PR11)	LF	140.0	\$ 175.00	\$ 24,500.00
0460 6002	CMP (GAL STL 18 IN)	LF	42.0	\$ 100.00	\$ 4,200.00
0460 6004	CMP (GAL STL 30 IN)	LF	55.0	\$ 130.00	\$ 7,150.00
0462 6007	CONC BOX CULV (5 FT X 3 FT)	LF	26.0	\$ 400.00	\$ 10,400.00
0462 6019	CONC BOX CULV (8 FT X 4 FT)	LF	1924.0	\$ 600.00	\$ 1,154,400.00
0462 6029	CONC BOX CULV (10 FT X 5 FT)	LF	4896.0	\$ 850.00	\$ 4,161,600.00
0462 6040	CONC BOX CULV (12 FT X 4 FT)	LF	128.0	\$ 1,000.00	\$ 128,000.00
0462 6096	CONC BOX CULV (8 FT X 3 FT)	LF	1843.0	\$ 500.00	\$ 921,500.00
0462 6099	CONC BOX CULV (6 FT X 2 FT)	LF	16751.0	\$ 450.00	\$ 7,537,950.00
0462 6003	CONC BOX CULV (4 FT X 2 FT)	LF	39.0	\$ 350.00	\$ 13,650.00
0464 6002	RC PIPE (CL III)(15 IN)	LF	5.0	\$ 150.00	\$ 750.00
0464 6016	RC PIPE (CL IV)(12 IN)	LF	13.0	\$ 80.00	\$ 1,040.00
0464 6017	RC PIPE (CL IV)(18 IN)	LF	1749.0	\$ 90.00	\$ 157,410.00
0464 6017	RC PIPE (CL IV)(18 IN) - 10 YEAR	LF	1560.0	\$ 90.00	\$ 140,400.00
0464 6018	RC PIPE (CL IV)(24 IN)	LF	411.0	\$ 125.00	\$ 51,375.00
0464 6019	RC PIPE (CL IV)(30 IN)	LF	62.0	\$ 200.00	\$ 12,400.00
0464 6020	RC PIPE (CL IV)(36 IN)	LF	62.0	\$ 250.00	\$ 15,500.00
0465 6005	JCTBOX(COMPL)(PJB)(3FTX3FT)	EA	1.0	\$ 6,000.00	\$ 6,000.00
0465 6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	EA	3.0	\$ 8,000.00	\$ 24,000.00
0465 6009	JCTBOX(COMPL)(PJB)(5FTX5FT)	EA	2.0	\$ 10,000.00	\$ 20,000.00
0465 6175	INLET (COMPL)(CURB)(TY C)	EA	56.0	\$ 6,500.00	\$ 364,000.00
0465 6175	INLET (COMPL)(CURB)(TY C) - 10 YEAR	EA	50.0	\$ 6,500.00	\$ 325,000.00
0465 6225A	JCT BOX (COMPL)(SPL) (7'X8')	EA	1.0	\$ 25,000.00	\$ 25,000.00
0465 6225B	JCT BOX (COMPL)(SPL) (11'X11')	EA	1.0	\$ 35,000.00	\$ 35,000.00
0465 6225C	JCT BOX (COMPL)(SPL) (16'X4')	EA	2.0	\$ 28,000.00	\$ 56,000.00
0465 6225D	JCT BOX (COMPL)(SPL) (16'X16')	EA	1.0	\$ 60,000.00	\$ 60,000.00
0465 6225E	JCT BOX (COMPL)(SPL) (16'X21')	EA	1.0	\$ 80,000.00	\$ 80,000.00
0465 6225F	JCT BOX (COMPL)(SPL) (16'X24')	EA	2.0	\$ 101,000.00	\$ 202,000.00
0465 6225G	JCT BOX (COMPL)(SPL) (21'X24')	EA	2.0	\$ 120,000.00	\$ 240,000.00
0465 6259	INLET (COMPL)(EXT TY C)	EA	52.0	\$ 2,000.00	\$ 104,000.00
0465 6259	INLET (COMPL)(EXT TY C) - 10 YEAR	EA	46.0	\$ 2,000.00	\$ 92,000.00
0465 6166	INLET(COMPL)(TY AAD)	EA	12.0	\$ 11,000.00	\$ 132,000.00
0465 6166	INLET(COMPL)(TY AAD) - 10 YEAR	EA	9.0	\$ 11,000.00	\$ 99,000.00
0465 6167	INLET(COMPL)(TY AD)	EA	13.0	\$ 6,000.00	\$ 78,000.00
0465 6167	INLET(COMPL)(TY AD) - 10 YEAR	EA	10.0	\$ 6,000.00	\$ 60,000.00
0465 6177	INLET (COMPL)(TY AZ2G)	EA	3.0	\$ 12,000.00	\$ 36,000.00
0465 6584	MANH (COMPL)(TY C)	EA	41.0	\$ 5,000.00	\$ 205,000.00
0466 6152	WINGWALL (FW - 0) (HW=5 FT)	EA	2.0	\$ 40,000.00	\$ 80,000.00
0466 6180	WINGWALL (PW - 1) (HW=5 FT)	EA	3.0	\$ 15,000.00	\$ 45,000.00
0466 6182	WINGWALL (PW - 1) (HW=7 FT)	EA	1.0	\$ 22,500.00	\$ 22,500.00
0467 6363	SET (TY II) (18 IN) (RCP) (6: 1) (P)	EA	3.0	\$ 2,000.00	\$ 6,000.00
0467 6395	SET (TY II) (24 IN) (RCP) (6: 1) (P)	EA	4.0	\$ 2,500.00	\$ 10,000.00
0467 6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	EA	2.0	\$ 3,000.00	\$ 6,000.00
0467 6202	SET (TY I)(S= 6 FT)(HW= 2 FT)(6:1) (P)	EA	4.0	\$ 8,500.00	\$ 34,000.00
0481 6011	PIPE (PVC) (SCH 40) (4 IN)	LF	8.0	\$ 50.00	\$ 400.00

**ENGINEER'S OPINION OF ESTIMATED CONSTRUCTION COSTS - 90% SUBMITTAL
GARTH RD RECONSTRUCTION - PHASE A AND B
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HARRIS COUNTY, TEXAS**

**PREPARED FOR: CITY OF BAYTOWN
PREPARED BY: KIMLEY-HORN**

DATE: 2/2/2022

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE PER UNIT	AMOUNT
SW3P					
0161 6009	EROSION CONTROL COMPOST	CY	600.0	\$ 20.00	\$ 12,000.00
0161 6017	COMPOST MANUF TOPSOIL (4")	SY	9762.0	\$ 2.00	\$ 19,524.00
0162 6002	BLOCK SODDING	SY	26073.0	\$ 4.00	\$ 104,292.00
0162 6003	STRAW OR HAY MULCH	SY	15343.0	\$ 1.00	\$ 15,343.00
0164 6009	BROADCAST SEED (TEMP) (WARM)	SY	266.0	\$ 0.50	\$ 133.00
0164 6051	DRILL SEED (TEMP)(WARM OR COOL)	SY	5217.0	\$ 0.50	\$ 2,608.50
0164 6052	BROADCAST SEED (PERM)(SPECIAL MIX)	SY	98.0	\$ 0.50	\$ 49.00
0164 6066	DRILL SEEDING (PERM)(WARM OR COOL)	SY	9762.0	\$ 0.50	\$ 4,881.00
0168 6001	VEGETATIVE WATERING	MG	1331.0	\$ 20.00	\$ 26,620.00
0169 6003	SOIL RETENTION BLANKETS (CL 1) (TY C)	SY	3883.0	\$ 4.00	\$ 15,532.00
0506 6002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	546.0	\$ 40.00	\$ 21,840.00
0506 6011	ROCK FILTER DAMS (REMOVE)	LF	546.0	\$ 12.00	\$ 6,552.00
0506 6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	500.0	\$ 30.00	\$ 15,000.00
0506 6024	CONSTRUCTION EXITS (REMOVE)	SY	500.0	\$ 10.00	\$ 5,000.00
0506 6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	4699.0	\$ 3.00	\$ 14,097.00
0506 6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	4699.0	\$ 1.00	\$ 4,699.00
0506 6040	BIODEG EROSN CONT LOGS (INSTL) (8")	LF	2160.0	\$ 5.00	\$ 10,800.00
0506 6041	BIODEG EROSN CONT LOGS (INSTL) (12")	LF	1120.0	\$ 6.00	\$ 6,720.00
0506 6043	BIODEG EROSN CONT LOGS (REMOVE)	LF	3280.0	\$ 1.00	\$ 3,280.00
1004 6001	TREE PROTECTION	EA	96.0	\$ 700.00	\$ 67,200.00

ROADWAY AND DRAINAGE BASE				\$	37,857,000.00
10 YEAR CONVEYANCE - ROADWAY AND DRAINAGE BASE				\$	37,726,100.00
CONTINGENCY 0%				\$	0.00
10 YEAR CONVEYANCE - CONTINGENCY 0%				\$	0.00
ROADWAY AND DRAINAGE SUBTOTAL				\$	37,857,000.00
10 YEAR CONVEYANCE - ROADWAY AND DRAINAGE SUBTOTAL				\$	37,726,100.00

UTILITY RELOCATIONS					
	OH TO UG RELOCATIONS	LS	1.0	\$ 1,400,000	\$ 1,400,000.00
	CONCRETE POLE UPGRADE	EA	115.0	\$ 5,000	\$ 575,000.00
PROPERTY ACQUISITION					
	PROPERTY ROW ACQUISITION	LS	1.0	\$ 750,000	\$ 750,000.00
	PROPERTY EASEMENT ACQUISITION	LS	1.0	\$ 175,000	\$ 175,000.00
	TEMPORARY CONSTRUCTION EASEMENTS (10% OF FEE VALUE PER YEAR)	LS	1.0	\$ 75,000	\$ 75,000.00
UTILITY AND PROPERTY AQUISION BASE				\$	2,975,000.00
CONTINGENCY 20%				\$	595,000.00
UTILITY AND PROPERTY AQUISION SUBTOTAL				\$	3,570,000.00

TOTAL	\$	41,427,000.00
10 YEAR CONVEYANCE - TOTAL	\$	41,296,100.00

Total Project cost does not include preliminary engineering or construction engineering and administration.

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.



April 19, 2022

Craig Raborn
Transportation Director
Houston-Galveston Area Council
3555 Timmons Lane, Suite 120
Houston, TX 77027

Re: MPOID 17078, Scope Addition

Dear Mr. Raborn,

Thank you for meeting with us last week. Please accept this request to add scope to the subject project to allow for the expenditure of the remaining obligated grant balance. This addition will provide additional sidewalk connectivity to METRO fixed-route bus service along W. Little York, Antoine Drive, and W. Tidwell Rd.

CURRENT:

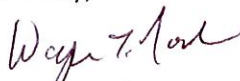
Facility (Limits)	Little York Rd W (Hollister St to Bingle Rd)
Project	Reconstruct back of curb infrastructure (sidewalks, curbs, ADA ramps, pedestrian lighting, landscaping) and multiuse trail connector to White Oak Bayou Trail
Federal	\$2,194,400
Local	\$548,600
Total	\$2,743,000

The table below reflects the remaining grant balance and the proposed modifications to the project limits to allow for the expenditure of federal funding elsewhere in the area, on the same scope. Note that the federal and local amounts have not changed in this listing. However, approximately \$825,000 in federal funding remains unexpended in the original grant and will be allocated to the expanded scope area.

PROPOSED:

Facility (Limits)	Little York Rd W (Hollister St to Chateau Forest Dr) W Tidwell Rd (Antoine to TC Jester)
Project	Reconstruct back of curb infrastructure (sidewalks, curbs, ADA ramps, pedestrian lighting, landscaping) and multiuse trail connector to White Oak Bayou Trail
Federal	\$2,194,400
Local	\$548,600
Total	\$2,743,000

Sincerely,


Wayne Norden
President

Mail: 5740 W. Little York Rd, Box 391 ♦ Houston, Texas 77091
Office: 7603 Antoine Dr., ♦ Houston, Texas 77088
713-895-8021 ♦ www.nnmd.org

H-GAC Transportation Development Credits Application

Contact Information

Name	Phone Number	E-Mail Address
James Oliver	409-797-3914	joliver@galvestontx.gov

Project Information

MPOID 11025	Sponsor Name Galveston, Cityof
TIP Project Description Replacement Buses under 5339, alternative fuel-LPG	
Federal Cost \$1,060,000	TDC Request 212,000
Is this project currently in the TIP? Yes	TIP Year 2023

Priority Use of TDCs

TDC Priority
Support of Federal Transit Funding

Please explain how the use of TDCs will help meet the priority established for this project.

HGAC region is in non-compliance with regards to air quality. Galveston Island Transit will be replacing an aging fleet with alternative fueled buses, LPG.

Maintenance of Local Investment

Roadway, Transit, or Other Project?
Transit Project

Explain and document the effect the TDC's will have on local and non-federal funding support for existing transit services.

HGAC region is in non-compliance with regards to air quality. Galveston Island Transit will be replacing an aging fleet with alternative fueled buses, LPG.

Date Submitted

05/09/2022