
Chapter 2

Financial Plan

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Chapter 2 — Financial Plan

The TIP contains cost estimates for roadway, transit, freight, bike/pedestrian, air quality, safety, and other transportation investments to be implemented in the 8-county Houston-Galveston metropolitan planning area over a four-year period. Projects include those selected by H-GAC’s Transportation Policy Council using federal and state funds sub allocated to the region, projects selected by the Texas Transportation Commission and listed in TxDOT’s 2018 Unified Transportation Plan (UTP) for the years covered by the TIP, as well as projects submitted by transit agencies based on their anticipated 2019-2022 grant applications.

Current law requires that the MPO identify all sources of funding that can be reasonably assumed to be available for programming. The following matrix identifies the sources of funding information used in the 2019-2022 TIP:

Figure 2.1 – Primary Sources of Funding Information

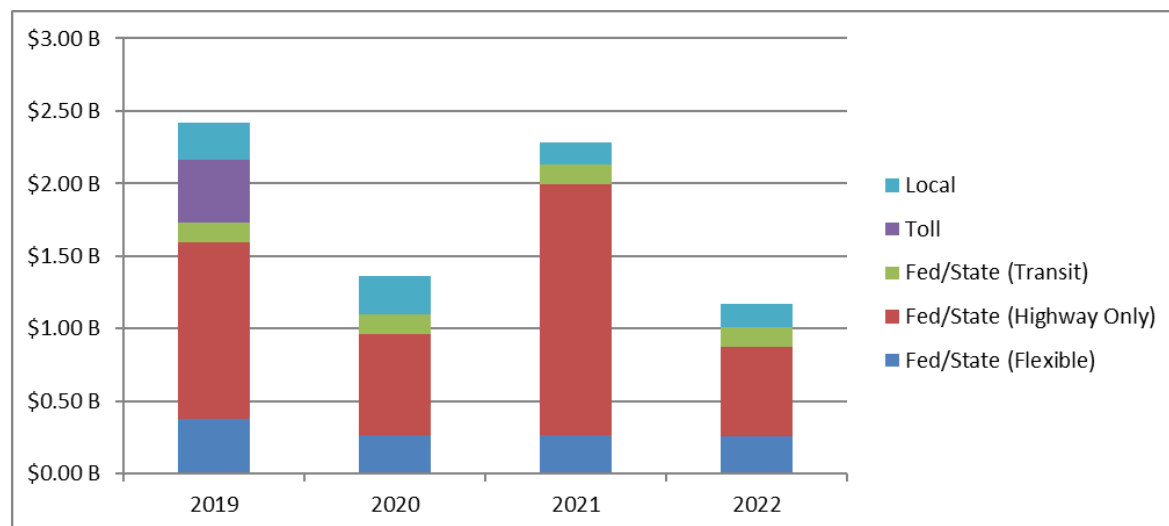
	Highway Programs	Transit Programs
Federal	2018 UTP	Recent FTA Apportionments/Discretionary Allocations
State		2018 UTP
Local/Private	Local Transportation Entities (e.g. City of Houston, HCTRA, METRO)	

Summary

Available Funding

The 2019-2022 TIP reflects approximately \$7.2 billion of transportation investment through federal and state sources and on regionally significant projects using local funding and project revenues (tolls).

Figure 2.2 – Available Funding

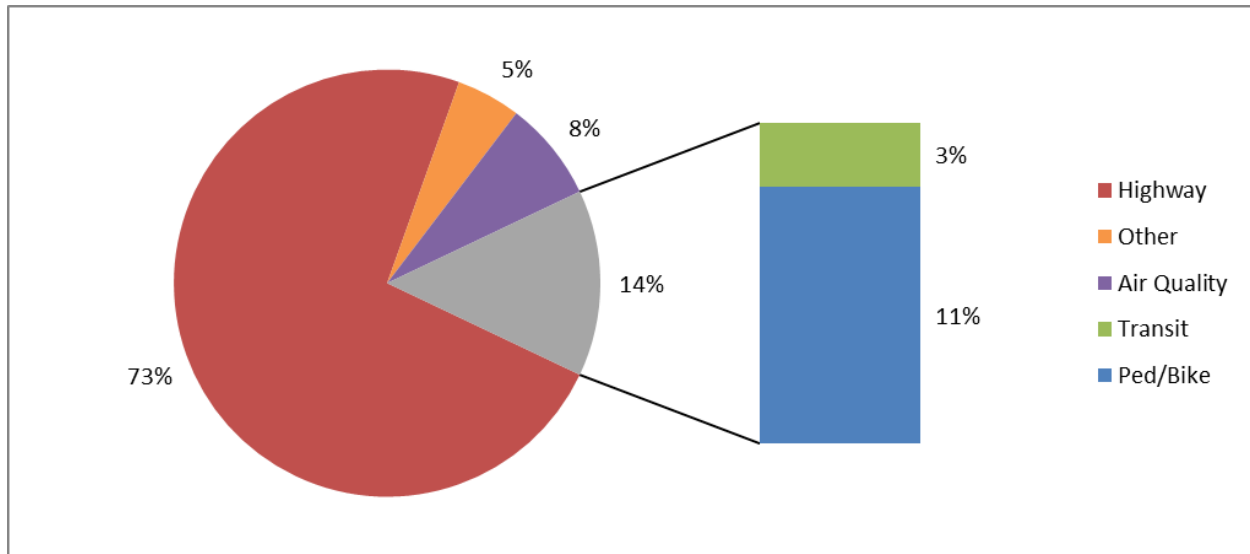


Flexible Federal/State Funds

Of this funding, approximately \$854 million, inclusive of required match, has been programmed by H-GAC using federal and state programs that can support a variety of transportation activities, including highway, transit and pedestrian-bicycle investments.

Allocation of these flexible federal/state funds is guided by policy adopted by the Transportation Policy Council.

Figure 2.3 – Allocation of Flexible Federal/State Funds (As Programmed)



Key Sources of Funding in the 2019-2022 TIP

Federal Programs

The 2019-2022 TIP Financial Plan relies on the estimate of federal surface transportation programs at funding levels articulated in TxDOT's 2018 Unified Transportation Program, as well as recent FTA apportionments and reasonably anticipated discretionary allocations.

The current surface transportation authorization bill, **Fixing America's Surface Transportation Act (FAST Act)**, includes five years of funding authorizations (2016-2020) and represents an increase in funding over previous MAP-21 funding levels.

Federal funds are sub allocated for MPO decision-making through the following programs:

- Surface Transportation Block Grant Program (referred to by the existing STP-MM acronym)
- Congestion Mitigation Air Quality Program (CMAQ)
- Transportation Alternatives Set-Aside (TASA; Previously referred to as the Transportation Alternatives Program or "TAP")

Additional federal funds are administered by the state through statewide programs (e.g. Safety, Bridge, etc.), TxDOT District sub allocations (Metropolitan Mobility [Category 2], Preventive Maintenance, District Discretionary) and discretionary awards made by the Texas Transportation Commission.

State Programs

The 2019-2022 TIP Financial Plan includes state funding from a variety of revenue sources and funding mechanisms, including voter-approved sources of state transportation funding such as Propositions 1 and 7. This funding is allocated through the various TxDOT funding categories (See Appendix E).

H-GAC has developed reasonable estimates of funding available under state programs using anticipated dedication levels and historical funding allocations. These amounts are detailed in Table 2-1.

Public-Private Partnerships (PPP)

Legislation passed by the 82nd Texas Legislature granted the Transportation Commission/TxDOT (“the State”) authority to enter into public-private partnerships under comprehensive development agreements (CDAs). Through a CDA, the State may contract with another entity to deliver, operate and/or maintain any of the projects specified in the authorizing legislation. Within the H-GAC region, these projects are:

- SH 99/Grand Parkway
- SH 249
- SH 288 (concession agreement executed in 2016)
- US 290 Hempstead Managed Lanes (project planned for FY2030-2035, see H-GAC’s 2040 RTP)

Use of PPP/CDA funding in the 2019-2022 TIP meets the federal “reasonably available” requirement as the State has both the authority to utilize CDAs and has a history of successful project delivery through these agreements.

Local Programs

The 2019-2022 TIP continues a trend toward greater reliance upon local sources of funding to make needed transportation investments for all modes. These local sources include local option sales taxes, toll revenues and general appropriations.

Federal-Aid Highway/Public Transportation Operations and Maintenance

The 2019-2022 TIP Financial Plan is required to document that sufficient revenues are available to adequately operate and maintain Federal-aid highways (as defined by 23 U.S.C. 101(a)(5)) and public transportation (as defined by title 49 U.S.C. Chapter 53).

Federal-Aid Highways

The 2018 UTP documents TxDOT's planned expenditures to adequately operate and maintain the state highway system. These costs and required revenues are presented in aggregate at the statewide level, and reflect Department maintenance policies. Some of these expenditures are reflected in the 2019-2022 TIP under Chapter 3 "Highway Project Listing" and Appendix J "Statewide Programs".

Public Transportation

Adequate operations and maintenance of transit properties is supported through the planned projects shown in Chapter 4 "Transit Project Listing" and the Metropolitan Transit Authority of Harris County (METRO) budget.

- While METRO uses some federal grant funds to support maintenance activities and service-specific operations, the majority of funding is from local sources (farebox, sales tax) that are not reflected in the 2019-2022 TIP. Additional detail is available on METRO's website at: <http://ridemetro.org/Pages/Finance.aspx>
- Other transit providers in the region rely upon federal funds and local matching funds to adequately operate and maintain their assets. These costs and revenues are reflected in the 2019-2022 TIP.

Financial Tables

The following financial tables are provided to demonstrate fiscal constraint of the 2019-2022 TIP and communicate expected levels of investment to transportation partners and the public:

Table	Purpose
2-1 – Highway Financial Summary Table and Transit Financial Summary Table	Detailed summary of the 2019-2022 TIP to demonstrate fiscal constraint
2-2 – Planned Local Funding Commitments, by Sponsor and Fiscal Year	Yearly summary of local funding programmed in the 2019-2022 TIP grouped by sponsor.



Houston-Galveston MPO - District 12
Initial FY 2019 - 2022 Transportation Improvement Program

Funding by Category

Category	Description	2019		2020		2021		2022		Total FY 2019 - 2022	
		Programmed	Authorized	Programmed	Authorized	Programmed	Authorized	Programmed	Authorized	Programmed	Authorized
1	Preventive Maintenance and Rehabilitation	\$12,512,997	\$104,740,000	\$0	\$108,400,000	\$0	\$112,200,000	\$0	\$116,120,000	\$12,512,997	\$441,460,000
2M or 2U	Urban Area (Non-TMA) Corridor Projects	\$658,138,068	\$658,138,000	\$311,565,000	\$315,333,376	\$450,664,000	\$450,664,000	\$388,385,186	\$413,776,187	\$1,808,752,254	\$1,837,911,563
3	Non-Traditionally Funded Transportation Project	\$557,565,910	\$557,565,840	\$147,927,232	\$147,927,232	\$63,184,208	\$63,184,208	\$90,868,900	\$90,868,900	\$859,546,250	\$859,546,180
4	Statewide Connectivity Corridor Projects	\$242,300,000	\$242,300,000	\$0	\$0	\$426,780,000	\$484,780,000	\$68,000,000	\$68,000,000	\$737,080,000	\$795,080,000
5	CMAQ	\$59,033,980	\$139,626,941	\$109,792,392	\$109,840,000	\$50,578,631	\$104,150,000	\$23,304,000	\$105,570,000	\$242,709,003	\$459,186,941
5 Flex	Map21 Flex	\$3,500,000	\$3,500,000	\$18,000,000	\$18,000,000	\$0	\$0	\$0	\$0	\$21,500,000	\$21,500,000
6	Structures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Metro Mobility & Rehab	\$228,301,142	\$228,304,481	\$126,037,000	\$133,550,000	\$57,403,000	\$135,250,000	\$101,230,000	\$137,100,000	\$512,971,142	\$634,204,481
8	Safety	\$115,000	\$115,000	\$0	\$0	\$0	\$0	\$0	\$0	\$115,000	\$115,000
9	Transportation Enhancements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9 Flex	TAP/TASA	\$37,544,415	\$49,998,765	\$13,127,462	\$19,768,472	\$17,205,000	\$20,054,010	\$8,098,000	\$9,380,000	\$75,974,877	\$99,201,247
10	Supplemental Transportation	\$15,154,813	\$15,154,813	\$0	\$0	\$0	\$0	\$0	\$0	\$15,154,813	\$15,154,813
11	District Discretionary	\$40,000,000	\$40,000,032	\$500,000	\$8,200,000	\$0	\$8,200,000	\$0	\$8,200,000	\$40,500,000	\$64,600,032
12	Strategic Priority	\$135,000,000	\$135,000,000	\$247,800,000	\$247,800,000	\$675,220,000	\$675,220,000	\$0	\$0	\$1,058,020,000	\$1,058,020,000
12C	Strategic Priority RECON	\$0	\$360,000	\$0	\$0	\$0	\$360,000	\$0	\$0	\$0	\$720,000
12S	Strategic Priority RECON	\$0	\$3,780,000	\$0	\$1,890,000	\$0	\$1,890,000	\$0	\$1,890,000	\$0	\$9,450,000
SBPE	Strategy Budget PE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SB 102	Strategy 102	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total		\$1,989,166,325	\$2,178,583,872	\$974,749,086	\$1,110,709,080	\$1,741,034,839	\$2,055,952,218	\$679,886,086	\$950,905,087	\$5,384,836,336	\$6,296,150,257

Funding Participation Source

Source	2019	2020	2021	2022	Total
Federal	\$1,136,062,417	\$664,563,483	\$1,342,760,505	\$471,693,749	\$3,615,080,154
State	\$240,865,413	\$117,771,388	\$310,532,800	\$95,457,837	\$764,627,438
Local Match	\$54,672,585	\$44,486,983	\$24,557,326	\$21,865,600	\$145,582,494
CAT 3 - Local Contributions	\$536,932,840	\$147,927,232	\$63,184,208	\$78,897,600	\$826,941,880
CAT 3 - Prop 12	\$0	\$0	\$0	\$0	\$0
CAT 3 - Prop 14	\$0	\$0	\$0	\$0	\$0
CAT 3 - Prop 14 SB	\$0	\$0	\$0	\$0	\$0
CAT 3 - Texas Mobility Fund	\$694,813	\$0	\$0	\$0	\$694,813
CAT 3 - Pass Thru Toll Revenue	\$19,938,257	\$0	\$0	\$11,971,300	\$31,909,557
CAT 3 - Regional Toll Revenue	\$0	\$0	\$0	\$0	\$0
CAT 3 - Match to Regional Toll Revenue	\$0	\$0	\$0	\$0	\$0
CAT 3 - Unique Federal Program - Tiger II	\$0	\$0	\$0	\$0	\$0
CAT 3 - TDC	\$0	\$0	\$0	\$0	\$0
Other - Section 5306	\$0	\$0	\$0	\$0	\$0
Other - Strategy PE Budget	\$0	\$0	\$0	\$0	\$0
Other - Strategy 102 Budget	\$0	\$0	\$0	\$0	\$0
Total	\$1,989,166,325	\$974,749,086	\$1,741,034,839	\$679,886,086	\$5,384,836,336

Notes:

<p>Notes:</p>



Houston-Galveston MPO - District 12
Initial FY 2019 - 2022 Transportation Improvement Program

All Figures in Year of Expenditure (YOE) Dollars

Transit Program		FY 2019			FY 2020			FY 2021		
		Federal	Match	Total	Federal	Match	Total	Federal	Match	Total
1	Sec. 5307 - Urbanized Formula >200K	\$92,884,140	\$27,606,598	\$120,490,738	\$63,659,636	\$15,689,936	\$79,349,572	\$57,359,636	\$14,114,936	\$71,474,572
2	Sec. 5307 - Urbanized Formula <200K	\$4,185,510	\$2,039,618	\$6,225,128	\$0	\$0	\$0	\$57,359,636	\$14,114,936	\$71,474,572
3	Sec. 5309 - Fixed Guideway Investment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Sec. 5337 - State of Good Repair	\$5,676,976	\$1,419,244	\$7,096,220	\$3,600,000	\$900,000	\$4,500,000	\$3,600,000	\$900,000	\$4,500,000
5	Sec. 5339 - Bus & Bus Facilities >200k	\$10,917,848	\$0	\$10,917,848	\$0	\$0	\$0	\$0	\$0	\$0
6	Sec. 5310 - Seniors&People w/Disabilities >200k	\$2,137,574	\$489,224	\$2,626,798	\$0	\$0	\$0	\$0	\$0	\$0
7	Sec. 5316 - JARC >200K	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Sec. 5317 - New Freedom >200K	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Other FTA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Regionally Significant or Other (incl FHWA transfers)	\$1,963,200	\$150,691,250	\$152,654,450	\$0	\$114,189,814	\$114,189,814	\$0	\$94,651,171	\$94,651,171
Total Funds		\$117,765,248	\$182,245,934	\$300,011,182	\$67,259,636	\$130,779,750	\$198,039,386	\$118,319,272	\$123,781,043	\$242,100,315
Transportation Development Credits Requested				\$0			\$0			\$0
Transportation Development Credits Awarded				\$0			\$0			\$0

All Figures in Year of Expenditure (YOE) Dollars

Transit Programs		FY 2022			Total		
		Federal	Match	Total	Federal	Match	Total
1	Sec. 5307 - Urbanized Formula >200K	\$57,359,636	\$14,114,936	\$71,474,572	\$271,263,048	\$71,526,406	\$342,789,454
2	Sec. 5307 - Urbanized Formula <200K	\$57,359,636	\$14,114,936	\$71,474,572	\$118,904,782	\$30,269,490	\$149,174,272
3	Sec. 5309 - Fixed Guideway Investment	\$0	\$0	\$0	\$0	\$0	\$0
4	Sec. 5337 - State of Good Repair	\$3,600,000	\$900,000	\$4,500,000	\$16,476,976	\$4,119,244	\$20,596,220
5	Sec. 5339 - Bus & Bus Facilities >200k	\$0	\$0	\$0	\$10,917,848	\$0	\$10,917,848
6	Sec. 5310 - Seniors&People w/Disabilities >200k	\$0	\$0	\$0	\$2,137,574	\$489,224	\$2,626,798
7	Sec. 5316 - JARC >200K	\$0	\$0	\$0	\$0	\$0	\$0
8	Sec. 5317 - New Freedom >200K	\$0	\$0	\$0	\$0	\$0	\$0
9	Other FTA	\$0	\$0	\$0	\$0	\$0	\$0
10	Regionally Significant or Other (incl FHWA transfers)	\$0	\$81,433,736	\$81,433,736	\$1,963,200	\$440,965,971	\$442,929,171
Total Funds		\$118,319,272	\$110,563,608	\$228,882,880	\$421,663,428	\$547,370,335	\$969,033,763
Transportation Development Credits Requested				\$0			\$0
Transportation Development Credits Awarded				\$0			\$0

Table 2-2 Planned Expenditures and Local Funding Commitments, By Project Sponsor (\$M, Year of Expenditure)*

Sponsor	FY 2019		FY 2020		FY 2021		FY 2022		2019-2022 TIP	
	Local	Total	Local	Total	Local	Total	Local	Total	Local	Total
BRAZORIA COUNTY	\$3.412	\$17.062	\$0.477	\$2.385	---	---	---	---	\$3.889	\$19.447
CHAMBERS COUNTY	\$19.938	\$19.938	---	---	---	---	---	---	\$19.938	\$19.938
CITY OF ANGLETON	---	---	\$38.897	\$38.897	---	---	---	---	\$38.897	\$38.897
CITY OF BAYTOWN	\$3.313	\$5.566	\$47.309	\$48.181	\$3.202	\$16.012	---	---	\$53.824	\$69.759
CITY OF CONROE	\$4.209	\$4.209	\$2.000	\$2.000	---	---	\$19.496	\$97.480	\$25.705	\$103.689
CITY OF GALVESTON	\$25.689	\$27.646	\$17.072	\$17.358	---	---	---	---	\$42.761	\$45.004
CITY OF HOUSTON	\$10.891	\$25.548	\$10.594	\$53.499	\$17.850	\$89.251	---	---	\$39.335	\$168.298
CITY OF LEAGUE CITY	---	---	\$5.429	\$27.146	\$0.490	\$2.449	---	---	\$5.919	\$29.595
CITY OF MONT BELVIEU	\$0.545	\$2.726	---	---	---	---	---	---	\$0.545	\$2.726
CITY OF PEARLAND	\$15.386	\$76.931	\$8.575	\$42.876	\$0.674	\$3.372	\$1.620	\$8.098	\$26.255	\$131.277
CITY OF RICHMOND	---	---	\$10.939	\$10.939	---	---	---	---	\$10.939	\$10.939
CITY OF SOUTH HOUSTON	\$0.310	\$1.552	---	---	---	---	---	---	\$0.310	\$1.552
CITY OF STAFFORD	\$0.359	\$1.795	---	---	---	---	---	---	\$0.359	\$1.795
CITY OF SUGAR LAND	\$2.400	\$7.500	---	---	---	---	---	---	\$2.400	\$7.500
CITY OF TEXAS CITY	---	---	\$32.000	\$32.000	---	---	---	---	\$32.000	\$32.000
CITY OF TOMBALL	---	---	---	\$28.613	---	---	---	---	---	\$28.613
CITY OF WALLER	\$0.320	\$1.599	\$0.106	\$1.384	---	---	---	---	\$0.425	\$2.982
CITY OF WEBSTER	---	\$8.426	\$1.021	\$5.105	---	---	---	---	\$1.021	\$13.531
CITY OF WEST UNIVERSITY PLACE	\$2.015	\$10.075	---	---	---	---	---	---	\$2.015	\$10.075
DOWNTOWN MANAGEMENT DISTRICT	---	---	---	---	\$0.562	\$2.809	---	---	\$0.562	\$2.809
FORT BEND COUNTY	\$80.812	\$103.358	\$3.600	\$18.000	---	---	---	---	\$84.412	\$121.358
GREATER EAST END MANAGEMENT DISTRICT	\$0.046	\$0.231	\$0.606	\$3.032	---	---	---	---	\$0.653	\$3.263
GREATER NORTHSIDE MANAGEMENT DISTRICT	\$0.398	\$1.989	---	---	---	---	---	---	\$0.398	\$1.989
GULF COAST CENTER	\$25.601	\$34.924	\$0.103	\$0.513	---	---	---	---	\$25.703	\$35.437
H.E.A.R.T. TRANSPORTATION	\$0.106	\$0.213	---	---	---	---	---	---	\$0.106	\$0.213
HARRIS CO. COMMUNITY & ECONOMIC DEVELOPMENT DEPT	\$3.003	\$8.925	---	---	---	---	---	---	\$3.003	\$8.925
HARRIS COUNTY	\$9.764	\$50.007	\$0.665	\$3.327	---	---	---	---	\$10.429	\$53.334
HCTRA	\$321.000	\$321.000	---	---	---	---	---	---	\$321.000	\$321.000
H-GAC	\$4.754	\$55.322	\$0.750	\$16.880	---	---	---	---	\$5.504	\$72.202
HOUSTON PARKS BOARD	\$0.796	\$3.978	---	---	---	---	---	---	\$0.796	\$3.978
HOUSTON TRANSTAR	\$0.800	\$4.000	\$0.400	\$2.000	---	---	---	---	\$1.200	\$6.000
MEMORIAL CITY REDEVELOPMENT AUTHORITY	\$10.860	\$14.302	\$3.426	\$17.132	---	---	---	---	\$14.287	\$31.434
METRO	\$124.543	\$220.547	\$131.530	\$204.189	\$110.416	\$176.776	\$97.199	\$163.558	\$463.688	\$765.070
MIDTOWN MANAGEMENT DISTRICT	---	---	\$0.312	\$1.562	\$1.029	\$5.144	---	---	\$1.341	\$6.706
MONTGOMERY COUNTY	\$110.000	\$110.000	---	---	---	---	---	---	\$110.000	\$110.000
NEAR NORTHWEST MANAGEMENT DISTRICT	---	---	\$0.549	\$2.743	---	---	---	---	\$0.549	\$2.743
TXDOT BEAUMONT DISTRICT	---	\$155.024	---	---	---	---	---	---	---	\$155.024
TXDOT HOUSTON DISTRICT	\$8.111	\$969.245	\$6.834	\$593.027	\$29.000	\$1,581.664	\$58.000	\$547.260	\$101.945	\$3,691.197
UPPER KIRBY DISTRICT	\$0.705	\$3.523	---	---	---	---	---	---	\$0.705	\$3.523
WESTCHASE MANAGEMENT DISTRICT	\$4.882	\$24.408	---	---	---	---	---	---	\$4.882	\$24.408
Grand Total	\$794.969	\$2,291.568	\$323.194	\$1,172.788	\$163.223	\$1,877.476	\$176.314	\$816.397	\$1,457.701	\$6,158.230