

Appendix 13

TCM Timely Implementation

**Appendix 13:
Transportation Control Measures**

A Transportation Control Measure (TCM) commitment is a transportation investment or activity in the State Implementation Plan (SIP) designed to reduce on-road vehicle emissions. Failure to demonstrate timely implementation of TCMs contained in the SIP can result in disapproval of our air quality conformity determination. All emissions are calculated using Texas mobile source emissions reductions strategies (MoSERS) and emissions factors from MOBILE6. Note this appendix demonstrates timely implementation of TCMs, but TCM emission credits are not applied to this conformity. Please refer to the individual project listing for more information on these TCMs.

Organization of this appendix:

MPO ID	Sequential unique number given to all projects used for identification by H-GAC that corresponds to the GIS and modeling networks and RTP.
Sponsor	Sponsor Agency usually the agency submitting project and providing matching funds.
Street	Street/Highway where project is located. If project is not located on a specific facility then VA or N/A is listed for street.
From Limit/To Limit	Beginning and ending limits of the project
Project Description	Scope of work or description of project as submitted by the sponsor.
Total Cost	Total project cost including all funding sources (federal, state, local)
Length	Length in miles of project
Completion Date	Date project was completed
VOC	Volatile organic compound (kg/day)
NOx	Nitrogen oxide (kg/day)
Project Notes	Specific notes about the project.

Transportation Control Measures

<u>Type/Category</u>	<u>VOC (kg/day)</u>	<u>VOC (ton/day)*</u>	<u>NOx (kg/day)</u>	<u>NOx (ton/day)*</u>	<u>Total Length</u>	<u>Total Cost</u>
AIR QUALITY	146.800	0.162	206.795	0.228	0.002	\$15,661,663
DEMAND MANAGEMENT	146.800	0.162	206.795	0.228	0.002	\$15,661,663
PEDESTRIAN/BICYCLE	62.826	0.069	82.050	0.090	386.715	\$119,888,998
OTHER	0.200	0.000	0.310	0.000	16.700	\$441,600
SEPARATE PATH	16.921	0.019	19.413	0.021	81.176	\$25,752,078
SIDEWALKS	1.418	0.002	2.452	0.003	7.046	\$19,592,314
STRIPED LANE	44.287	0.049	59.875	0.066	281.793	\$74,103,006
PORT	2.160	0.002	3.020	0.003	7.950	\$14,882,830
FACILITY IMPROVEMENTS	2.160	0.002	3.020	0.003	7.950	\$14,882,830
TRAFFIC FLOW IMPROVEMENTS	178.834	0.197	340.403	0.375	235.409	\$267,431,974
ACCESS MANAGEMENT IMPROVEMENTS	22.144	0.024	45.770	0.050	11.226	\$2,051,358
GRADE SEPARATION	20.255	0.022	31.450	0.035	20.665	\$72,079,067
INTELLIGENT TRANSPORTATION SYSTEMS	60.826	0.067	133.520	0.147	148.472	\$70,127,031
INTERCHANGE IMPROVEMENTS	6.491	0.007	12.687	0.014	4.989	\$35,289,991
INTERSECTION IMPROVEMENTS	1.996	0.002	3.613	0.004	1.343	\$2,830,000
OTHER	1.740	0.002	3.820	0.004	0.001	\$3,903,000
TRAFFIC ENGINEERING	1.981	0.002	4.504	0.005	3.594	\$61,892,000
TRAFFIC SIGNAL IMPROVEMENTS	45.504	0.050	69.669	0.077	36.354	\$11,917,502
TURN LANES	17.897	0.020	35.370	0.039	8.765	\$7,342,025
TRANSIT	94.126	0.104	126.038	0.139	31.518	\$338,229,426
LIGHT RAIL	14.440	0.016	20.220	0.022	6.000	\$300,000,000
OPERATING	0.980	0.001	1.370	0.002	0.001	\$600,000
OTHER	0.550	0.001	0.980	0.001	-	\$1,250,000
PARK & RIDE	47.683	0.053	55.808	0.062	15.755 (3773 spaces)	\$12,786,426
PEDESTRIAN IMPROVEMENTS	29.493	0.033	46.290	0.051	9.761	\$22,993,000
SERVICES	0.980	0.001	1.370	0.002	0.001	\$600,000
GRAND TOTAL	484.746	0.534	758.306	0.836	661.594	\$756,094,891

* 1 ton = 907.1847 kg

Transportation Control Measures

Grouped by Type, then Category. Sorted by Street, then limits.

Type: **AIR QUALITY**

Category: **DEMAND MANAGEMENT**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
3049	H-GAC	VA	VARIOUS		TELECOMMUTING 3 YEAR PILOT PROGRAM (FY 1998-2000)	\$358,845	0.001	05/01/2000	3.550	5.000
9417	H-GAC	VA	VARIOUS		REGIONAL VANPOOL PROGRAM (FY 2000)	\$1,387,500	0.000	04/11/2005	28.650	40.359
9790	H-GAC	VA	VARIOUS		REGIONAL COMMUTE ALTERNATIVES PROGRAM (FY 1998)	\$1,250,000		02/01/2001	28.650	40.359
9927	H-GAC	VA	VARIOUS		REGIONAL COMMUTE ALTERNATIVES PROGRAM - IMPLEMENTATION (FY 2000)	\$3,439,040		09/01/2002	28.650	40.359
9945	H-GAC	VA	VARIOUS		REGIONAL COMMUTE ALTERNATIVES PROGRAM - IMPLEMENTATION (FY 2001)	\$5,049,090	0.001	04/11/2005	28.650	40.359
9975	H-GAC	VA	VARIOUS		REGIONAL COMMUTE ALTERNATIVES PROGRAM - IMPLEMENTATION (FY 2002)	\$4,177,188		07/01/2002	28.650	40.359
Category Totals:						\$15,661,663	0.002		146.800	206.795
Totals for Type: AIR QUALITY						Type Totals:	\$15,661,663	0.002	146.800	206.795

Type: **PEDESTRIAN/BICYCLE**

Category: **OTHER**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
5061	CITY OF SUGAR LAND	SWEETWATER BLVD	AT DITCH 'A'		CONSTRUCT BIKE/PEDESTRIAN BRIDGE OVER "DITCH A"	\$207,600	0.100	01/26/2004	0.100	0.150
5060	CITY OF SUGAR LAND	WILLIAMS TRACE BLVD	AT OYSTER CREEK		CONSTRUCT BIKE/PEDESTRIAN BRIDGE OVER OYSTER CREEK	\$234,000	6.700	01/26/2004	0.100	0.160
Category Totals:						\$441,600	6.800		0.200	0.310

Type: **PEDESTRIAN/BICYCLE**

Category: **SEPARATE PATH**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
2927	CITY OF ALVIN	ALVIN MUSTANG TRAIL	N ALVIN C/L	S ALVIN C/L	CONSTRUCT ALVIN MUSTANG TRAIL SYSTEM OF BRAZORIA COUNTY	\$1,798,000	23.200	11/14/2003	1.299	1.843
1725	CITY OF PEARLAND	BARRY ROSE RD	FM 518	PEARLAND PKWY	SIDEWALK/BIKE PATH	\$137,500	2.200	01/01/2005	0.098	0.136
<i>PROVIDED BY CITY OF PEARLAND</i>										
3069	CITY OF BAYTOWN	BAYTOWN HIKE & BIKE TRAIL	ARIZONA ST	MARKET ST	CONSTRUCT HIKE & BIKE TRAIL (PHASE 2)	\$1,086,448	1.041	06/26/2006	0.100	0.160
7599	CITY OF PEARLAND	CULLEN BLVD	FM 518	FITE @ CR 98	CONSTRUCT 4-LANE INCLUDES SIDEWALK/BIKE PATH (ENDS @ NORTHFORK)	\$9,372,110	1.231	07/01/2005	0.137	0.189
<i>PROVIDED BY CITY OF PEARLAND</i>										
13461	CITY OF HOUSTON	DIXIE DR	TIERWESTER	ALMEDA	BIKE ROUTE	\$0	1.130	08/01/2003	0.320	0.270
<i>COMPLETED LOCALLY BY CITY OF HOUSTON</i>										
1723	CITY OF PEARLAND	FM 518	CR 91	SH 288	SIDEWALK/BIKE PATH	\$0	0.700	09/01/2005	0.085	0.118
<i>COMPLETED BY THE CITY OF PEARLAND</i>										
1722	CITY OF PEARLAND	FM 518	SH 35	WESTMINSTER	SIDEWALK/BIKE PATH	\$0	1.200	09/01/2005	0.150	0.207
<i>COMPLETED BY THE CITY OF PEARLAND</i>										
9954	CITY OF BAYTOWN	GOOSE CREEK TRAIL	S OF MARKET ST	W OF TEXAS AVE	CONSTRUCT HIKE/BIKE TRAIL	\$1,406,250	0.682	06/26/2006	0.299	0.425
7006	CITY OF HOUSTON	HARRISBURG/SUNSET RAILS TO TRAILS			HARRISBURG/SUNSET RAILS TO TRAILS - PHASE 2	\$952,000	0.324	10/06/2003	0.560	0.810
3075	CITY OF HOUSTON	HARRISBURG/SUNSET RAILS TO TRAILS	CHENEVERT	75TH ST & BUFFALO BAYOU	HARRISBURG/SUNSET RAILS TO TRAILS-PH 1 (TCM SIP COMMITMENT)	\$2,075,000	5.000	06/23/2000	0.280	0.397
10946	TXDOT HOUSTON DISTRICT	HEMPSTEAD RD	N OF N POST OAK	S OF N POST OAK	CONSTRUCT TWO PEDESTRIAN SHELTER FOUNDATIONS WITH PEDESTRIAN RAILS	\$80,000	0.080	03/18/2004	0.280	0.640

Type: **PEDESTRIAN/BICYCLE**

Category: **SEPARATE PATH**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
3065	CITY OF HOUSTON	HERMAN BROWN PARK TRAIL	W/I HERMAN BROWN PARK	DUNVEGAN WAY AT MERCURY DR & WESTSHIRE AT IH 10	BIKE & HIKE TRAIL THRU HERMAN BROWN PARK PH 1	\$611,000	2.550	02/02/2001	0.143	0.203
7644	HARRIS COUNTY	LYONS SCHOOL RD	STUEBNER AIRLINE	BLUE & GOLD RD	PEDESTRIAN WALKWAY	\$207,900		03/01/2004	0.213	0.302
1724	CITY OF PEARLAND	MAGNOLIA	PEARLAND PKWY	VETERANS	SIDEWALK/BIKE PATH	\$178,541	1.300	09/01/2003	0.111	0.153
<i>COMPLETED BY CITY OF PEARLAND</i>										
2934	HARRIS COUNTY	NORTH CHANNEL HIKE & BIKE TRL	WOODFOREST BLVD (SOUTH)	WALLISVILL E RD (NORTH)	CONSTRUCT HIKE & BIKE TRAIL	\$984,269	1.988	09/01/2006	0.111	0.158
<i>PROJECT COMPLETED HARRIS COUNTY PRECINCT 2</i>										
3033	CITY OF LAKE JACKSON	OYSTER CREEK TRAIL	N. DIXIE DR	SH 332	CONSTRUCT HIKE & BIKE TRAIL	\$963,792	1.976	06/04/2007	0.460	0.380
7062	CITY OF ANGLETON	PEDESTRIAN WALKWAY	IN ANGLETON		CONSTRUCT PEDESTRIAN WALKWAY IN ANGLETON	\$658,175	2.540	01/25/2006	0.150	0.360
1721	CITY OF PEARLAND	SH 35	JOHN LIZER	INDUSTRIAL	SIDEWALK/BIKE PATH	\$85,000	1.400	08/01/2001	0.129	0.179
<i>COMPLETED BY CITY OF PEARLAND</i>										
13460	CITY OF HOUSTON	T C JESTER BLVD	11TH STREET	WASHINGTON AVE	CONSTRUCT BIKE ROUTE	\$0	1.500	08/01/2003	0.440	0.360
<i>COMPLETED LOCALLY BY CITY OF HOUSTON</i>										
13201	HARRIS COUNTY	TERRY HERSHEY PARK	SH 6	BW 8	CONSTRUCT TERRY HERSHEY PARK HIKE/BIKE TRAIL	\$0	10.830	09/01/2005	10.420	10.510
<i>COMPLETED BY HARRIS COUNTY</i>										
2936	TXDOT HOUSTON DISTRICT	TEXAS CITY TRLS - PH 2	COLLEGE OF THE MAINLAND	BAY ST PARK (E TX CITY)	CONSTRUCT HIKE & BIKE TRAILS	\$1,600,933	9.330	10/20/2000	0.522	0.741

Type: **PEDESTRIAN/BICYCLE**

Category: **SEPARATE PATH**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
5059	CITY OF SEABROOK	TODVILLE RD	PINE GULLY PARK	MIRAMAR PARK	CONSTRUCT 15' HIKE/BIKE TRAIL PARALLEL TO TODVILLE	\$218,160	2.110	02/19/2002	0.118	0.168
2586	CITY OF TEXAS CITY	VA	2ND AVE AT 16TH ST	BAY ST @ 14TH AVE	TEXAS CITY TRAILS LANDSCAPING & SIGNALS	\$735,000	4.004	11/12/1998	0.224	0.318
<i>SUBSTITUTION PROJECT FOR THE 2004 SIP</i>										
3074	CITY OF HOUSTON	W WHITE OAK BAYOU TRL	11TH ST	S OF PINEMONT	CONSTRUCT W WHITE OAK BAYOU TRAIL (TCM SIP COMMITMENT)	\$2,602,000	4.860	08/20/2001	0.272	0.386
Category Totals:						\$25,752,078	81.176		16.921	19.413

Category: **SIDEWALKS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
7025	TXDOT HOUSTON DISTRICT	ALDINE MAIL ROUTE	0.5 MI W OF JOHN F KENNEDY BLVD	US 59	INSTALL SIDEWALKS	\$852,568	1.800	10/10/2005	0.150	0.210
7298	TXDOT HOUSTON DISTRICT	FM 2004	NEVILLE ST	SCHIRO ST	PLACE SIDEWALKS	\$117,000	0.614	06/27/2003	0.665	1.301
986	CITY OF PEARLAND	PEARLAND PKWY	BW 8	FM 518 IN PEARLAND	CONSTRUCT NEW 4-LANE EXTENSION INCLUDING 2.3 MI PEDESTRIAN SIDEWALK	\$17,970,000	2.300	12/01/2004	0.153	0.211
<i>PROVIDED BY CITY OF PEARLAND</i>										
5058	CITY OF ROSENBERG	SH 36	US 90A	SEABOURN E CREEK PARK	CONSTRUCT 5' SIDEWALK	\$652,746	2.332	12/08/2006	0.450	0.730
Category Totals:						\$19,592,314	7.046		1.418	2.452

Category: **STRIPED LANE**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
13202	HARRIS COUNTY	BARKER RESERVOIR TRAIL	BARKER CLODINE RD	NOBILE RD	CONSTRUCT GEORGE BUSH PARK/ BARKER RESERVOIR HIKE/BIKE TRAIL	\$0	4.000	09/01/2005	5.130	5.510
<i>COMPLETED BY HARRIS COUNTY</i>										

Type: **PEDESTRIAN/BICYCLE**

Category: **STRIPED LANE**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
41	TXDOT HOUSTON DISTRICT	FM 518	FM 1266	SH 146	WIDEN TO 4-LANE DIVIDED CURB & GUTTER INCLUDES 10-FT WIDE BIKEWAY	\$6,186,249	1.370	06/01/2007	0.450	0.380
42	TXDOT HOUSTON DISTRICT	FM 518	FM 2094	FM 1266	WIDEN TO 4-LANE DIVIDED CURB & GUTTER INCLUDES 10-FT WIDE BIKEWAY	\$11,732,012	2.320	06/01/2007	0.280	0.230
937	TXDOT HOUSTON DISTRICT	FM 529	1.44 MI W OF BARKER CYPRESS RD	BARKER CYPRESS RD	WIDEN TO 4 LANES WITH CONTINUOUS LEFT TURN LANE AND REPLACE BRIDGE INCLUDES 1.21 MI LONG 5-FT WIDE BIKE LANES IN EACH DIRECTION	\$6,190,000	1.440	07/26/2005	0.500	0.420
9845	TXDOT HOUSTON DISTRICT	FM 529	HUFFMEISTER RD	BARKER-CY PRESS RD	WIDEN TO 6 LANE DIVIDED CURB & GUTTER & TMS INCLUDES 5-FT WIDE ON STREET BIKE ROUTE	\$14,993,428	3.280	03/21/2001	0.360	0.300
73	TXDOT HOUSTON DISTRICT	FM 529	HUFFMEISTER RD	US 290	WIDEN TO 6 LANE DIVIDED W/ CONTINUOUS LEFT TURN LANE & TRAFFIC MANAGEMENT SYSTEM INCLUDES 3.33 MI LONG 5-FT WIDE BIKE LANES IN EACH DIRECTION	\$10,332,000	5.364	11/29/2001	0.360	0.300
10364	CITY OF HOUSTON	HOLLY HALL	FANNIN	ARDMORE	MEDICAL CENTER/GREENWAY PLAZA/GALLERIA PHASE 2 BIKEWAY	\$991,478	1.324	07/20/2006	0.450	0.740
3061	CITY OF HOUSTON	N HOUSTON ON-STREET BKWY NETWORK - PH 1			CONSTRUCT ON-STREET BIKEWAY NETWORK (N OF LP 610) (TCM SIP COMMITMENT)	\$1,746,000	41.270	03/01/2001	23.103	32.778
7007	CITY OF HOUSTON	N HOUSTON ON-STREET BKWY NETWORK - PH 2			NORTH HOUSTON ON-STREET BIKEWAY NETWORK - PHASE 2	\$250,400	4.290	09/02/2004	0.240	0.341
3062	CITY OF HOUSTON	SE HOUSTON ON-ST BIKEWAY NETWORK	BETWEEN GRIGGS & EDGEBROOK	BETWEEN S WAYSIDE & ALLEN GENOA	BIKE SE HOUSTON ON-STREET BIKEWAY NETWORK (INSIDE LP 610) (TCM SIP COMMITMENT)	\$2,235,000	38.000	10/01/2006	1.875	2.661
<i>PROJECT HAS BEEN COMPLETED WITH CITY FUNDING</i>										

Type: **PEDESTRIAN/BICYCLE**

Category: **STRIPED LANE**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
7003	CITY OF HOUSTON	TMC/GREENWAY PLAZA/GALLERIA ON-STREET BIKE			TMC/GREENWAY PLAZA/GALLERIA ACCESS ON-STREET BIKEWAY NETWORK -NORTH SEGMENT PH 1 (TCM SIP COMMITMENT)	\$440,000	6.680	10/03/2000	1.690	2.380
7004	CITY OF HOUSTON	TMC/GREENWAY PLAZA/GALLERIA ON-STREET BIKE			TMC/GREENWAY PLAZA/GALLERIA ACCESS ON-STREET BIKEWAY NETWORK -WEST SEGMENT PH 1 (TCM SIP COMMITMENT)	\$1,734,700	29.960	11/09/2000	1.677	2.380
7005	CITY OF HOUSTON	TMC/GREENWAY PLAZA/GALLERIA ON-STREET BIKE			ACCESS ON-STREET BIKEWAY NETWORK - PHASE 2	\$1,198,300	11.690	10/06/2003	0.654	0.928
3071	CITY OF HOUSTON	TMC/GREENWAY PLAZA/GALLERIA ON-STREET BIKE	BOUNDED BY CHIMNEY ROCK ON W, BUFFALO BAYOU ON N	CALHOUN ON E & IH 610 O	MEDICAL CENTER/GREENWAY PLAZA/GALLERIA ACCESS ON STREET BIKEWAY NETWORK	\$1,277,400	26.390	05/30/2001	1.527	2.167
9904	CITY OF SUGAR LAND	UNIVERSITY BLVD	US 59	COMMONW EALTH BLVD	CONSTRUCT 4-LANE DIVIDED ROADWAY ON NEW LOCATION INCLUDES 14-FT WIDE BIKEWAY 1.55 MI IN LENGTH	\$10,060,000	1.680	12/09/2003	0.240	0.200
9987	CITY OF HOUSTON	VA		NORTH SEGMENT	CBD ACCESS ON-STREET BIKEWAY NETWORK (TCM SIP COMMITMENT)	\$2,076,965	26.380	03/14/2001	1.477	2.095
9988	CITY OF HOUSTON	VA		SOUTH SEGMENT - PH 1	CBD ACCESS ON-STREET BIKEWAY NETWORK (TCM SIP COMMITMENT)	\$1,282,474	45.070	10/15/2001	2.523	3.580
9989	CITY OF HOUSTON	VA		SOUTH SEGMENT - PH 2	CBD ACCESS ON STREET BIKEWAY NETWORK-PHASE 2	\$156,600	3.485	10/06/2003	0.195	0.277
3063	CITY OF HOUSTON	W HOUSTON ON-STREET BIKEWAY - PH 1			BIKE W HOUSTON ON-STREET BIKEWAY - PH 1 (TCM SIP COMMITMENT)	\$1,220,000	27.800	08/20/2001	1.556	2.208
Category Totals:						\$74,103,006	281.793		44.287	59.875

Type: **PEDESTRIAN/BICYCLE**

Totals for Type: **PEDESTRIAN/BICYCLE**

Type Totals: \$119,888,998 376.815 62.826 82.050

Type: **PORT**

Category: **FACILITY IMPROVEMENTS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
9534	PORT OF HOUSTON AUTHORITY	DEER PARK JUNCTION TERMINAL	AT STRANG YARD		CONSTRUCT PORT OF HOUSTON LEAD TRACK - SEGMENT 3 AT STRANG YARD	\$14,882,830	7.950	02/28/2002	2.160	3.020
Category Totals:						\$14,882,830	7.950		2.160	3.020
Totals for Type: PORT						Type Totals:	\$14,882,830	7.950	2.160	3.020

Type: **TRAFFIC FLOW IMPROVEMENTS**

Category: **ACCESS MANAGEMENT IMPROVEMENTS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
10574	TXDOT HOUSTON DISTRICT	FM 1093	IH 610	SH 6	WESTHEIMER CORRIDOR IMPROVEMENTS - PHASE 1	\$2,051,358	11.226	12/04/2006	22.144	45.770
Category Totals:						\$2,051,358	11.226		22.144	45.770

Category: **GRADE SEPARATION**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
6090	TXDOT HOUSTON DISTRICT	BS 288B	AT UP RR IN CLUTE		CONSTRUCT RAILROAD GRADE SEPARATION AND APPROACHES	\$10,000,000	0.833	01/01/2005	0.309	0.440
6070	PORT OF HOUSTON AUTHORITY	FAIRMONT PKWY	AT UPRR (W OF 16 TH ST)		CONSTRUCT GRADE SEPARATION	\$10,649,359	0.735	07/15/2008	0.111	0.158
2049	TXDOT HOUSTON DISTRICT	FM 723	AT BNSF AND UP RAILROADS IN ROSENBERG		RAILROAD GRADE SEPARATION AND APPROACHES	\$2,200,000	0.548	01/15/2003	0.203	0.289
470	TXDOT HOUSTON DISTRICT	IH 45 S	AT EL DORADO		CONSTRUCT GRADE SEPARATION	\$2,000,000	0.358	01/03/2003	5.140	7.180

Type: **TRAFFIC FLOW IMPROVEMENTS**

Category: **GRADE SEPARATION**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
5082	TXDOT HOUSTON DISTRICT	SH 288	AT CR 220		CONSTRUCT GRADE SEPARATION	\$5,000,000	4.693	08/30/2004	1.739	2.477
3012	TXDOT HOUSTON DISTRICT	SH 288	AT CR 44		GRADE SEPARATION	\$5,000,000	6.565	08/11/2003	2.432	3.465
3013	TXDOT HOUSTON DISTRICT	SH 288	AT FM 2004		CONSTRUCT GRADE SEPARATION OF MAINLANES ON SH 288 OVER FM 2004	\$7,953,500	1.035	08/11/2003	6.390	10.220
7033	TXDOT HOUSTON DISTRICT	SH 99	0.24 MI S OF HIGHLAND KNOLLS DR	HARRIS C/L	CONSTRUCT GRADE SEPARATION	\$6,473,310	0.525	12/20/2005	0.320	0.455
7034	TXDOT HOUSTON DISTRICT	SH 99	FORT BEND C/L	0.15 MI S OF IH 10	CONSTRUCT GRADE SEPARATION	\$11,329,098	1.546	12/20/2005	0.341	0.486
206	TXDOT HOUSTON DISTRICT	US 290	1488 M W OF MASON RD	1394 M E OF MASON RD	CONSTRUCT GRADE SEPARATION	\$8,500,000	2.861	02/06/2003	1.060	1.510
9840	TXDOT HOUSTON DISTRICT	US 90	AT KRENEK RD		GRADE SEPARATION	\$2,973,800	0.966	01/03/2003	2.210	4.770
Category Totals:						\$72,079,067	20.665		20.255	31.450

Category: **INTELLIGENT TRANSPORTATION SYSTEMS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
10535	HCTRA	BW 8	E OF SH 249	E OF HARDY TOLL ROAD	INSTALL COMPUTERIZED TRAFFIC MANAGEMENT SYSTEM	\$2,885,199	8.140	04/02/2008	3.085	6.772
1094	TXDOT HOUSTON DISTRICT	BW 8	E OF SH 249	US 90A	INSTALL COMPUTERIZED TRAFFIC MANAGEMENT SYSTEM	\$13,453,070	24.745	04/02/2008	9.378	20.588

Type: **TRAFFIC FLOW IMPROVEMENTS**

Category: **INTELLIGENT TRANSPORTATION SYSTEMS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
10536	HCTRA	BW 8	W OF IH 45	GENOA-RED BLUFF	INSTALL COMPUTERIZED TRAFFIC MANAGEMENT SYSTEM	\$607,398	2.708	04/02/2008	1.026	2.253
1098	TXDOT HOUSTON DISTRICT	BW 8	W OF IH 45	US 90A	INSTALL COMPUTERIZED TRAFFIC MANAGEMENT SYSTEM	\$8,388,507	17.232	04/02/2008	6.531	14.337
9527	TXDOT HOUSTON DISTRICT	IH 10 E	SAN JACINTO ST	MEADOW ST	INSTALL COMPUTERIZED TRAFFIC MANAGEMENT SYSTEM	\$600,000	1.000	07/11/2003	1.220	2.679
1007	TXDOT HOUSTON DISTRICT	IH 10 W	STUDEMONT	SAN JACINTO	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	\$1,255,000	2.505	07/11/2003	0.940	2.080
1825	TXDOT HOUSTON DISTRICT	IH 45 N	CYPRESSWOOD DR	MONTGOMERY C/L	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	\$2,409,000	4.008	02/20/2007	1.421	3.120
1015	TXDOT HOUSTON DISTRICT	IH 45 N	HARRIS C/L	TAMINA RD	INSTALL CTMS (TCM SIP COMMITMENT)	\$2,318,660	4.830	02/20/2007	1.830	4.010
1014	TXDOT HOUSTON DISTRICT	IH 45 N	RANKIN RD	CYPRESSWOOD	INSTALL CTMS (TCM SIP COMMITMENT)	\$3,596,000	10.064	07/15/2002	3.810	8.370
1012	TXDOT HOUSTON DISTRICT	IH 45 S	61ST ST	S OF SH 6	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	\$3,856,000	5.811	07/03/2002	2.200	4.830
1016	TXDOT HOUSTON DISTRICT	IH 45 S	S OF SH 6	HARRIS C/L	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	\$10,345,000	17.242	07/03/2002	6.530	14.340
1103	TXDOT HOUSTON DISTRICT	SH 146	MCCABE RD	TYLER ST	INSTALL CTMS - INCL SURVEILLANCE SYS, COMMUNICATN SYS, SATELLITE COMPUTER FAC, & MONITORING CONTRL	\$1,204,650	2.130	12/08/2004	0.807	1.772
7101	TXDOT HOUSTON DISTRICT	SH 146	WYOMING ST	TYLER ST	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	\$2,590,000	4.321	12/08/2004	1.638	3.595

Type: **TRAFFIC FLOW IMPROVEMENTS**

Category: **INTELLIGENT TRANSPORTATION SYSTEMS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
3010	TXDOT HOUSTON DISTRICT	SH 225	SH 134	STRANG RD	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	\$2,270,000	3.670	03/01/2002	1.391	3.053
1026	TXDOT HOUSTON DISTRICT	SP 330	IH 10	SH 146	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	\$1,817,213	5.068	02/22/2008	2.200	4.830
9532	TXDOT HOUSTON DISTRICT	US 59 N	0.136 MI S OF BF 1960A	GREENS BAYOU	INSTALL CTMS	\$2,172,654	9.613	07/03/2002	3.643	7.998
1028	TXDOT HOUSTON DISTRICT	US 59 N	0.28 MI N OF SAUNDERS	IH 610	INSTALL CTMS	\$1,082,654	4.620	07/03/2002	1.751	3.844
1029	TXDOT HOUSTON DISTRICT	US 59 N	BF 1960A	MONTGOMERY C/L	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	\$1,151,856	2.835	07/18/2007	0.970	2.130
1032	TXDOT HOUSTON DISTRICT	US 59 N	GREENS BAYOU	0.28 MI N OF SAUNDERS	INSTALL CTMS	\$3,027,731	6.410	07/03/2002	2.429	5.333
9533	TXDOT HOUSTON DISTRICT	US 59 N	IH 610	0.019 MI N OF BELL ST	INSTALL COMPUTERIZED TRAFFIC MANAGEMENT SYSTEM	\$1,683,287	4.649	04/14/2008	1.759	3.860
1031	TXDOT HOUSTON DISTRICT	US 59 S	HARRIS C/L	SH 6	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	\$2,800,000	4.650	04/16/2008	1.267	2.781
1072	TXDOT HOUSTON DISTRICT	US 59 S	RAMPS AT SP 41/SUGAR CREEK BLVD	SH 6	UPGRADE FIXED TIME TO ACTUATED SIGNALS	\$150,000	0.001	12/03/2003	0.100	0.180
1027	TXDOT HOUSTON DISTRICT	US 59 S	W BELLFORT	FORT BEND C/L	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	\$423,152	0.500	04/16/2008	3.369	7.396

Type: **TRAFFIC FLOW IMPROVEMENTS**

Category: **INTELLIGENT TRANSPORTATION SYSTEMS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
1071	TXDOT HOUSTON DISTRICT	US 59 S	W OF S KIRKWOOD	RAMPS AT SP 41/SUGAR CRK BLVD	UPGRADE FIXED TIME TO ACTUATED SIGNALS	\$40,000	1.720	12/03/2003	1.531	3.369
Category Totals:						\$70,127,031	148.472		60.826	133.520

Category: **INTERCHANGE IMPROVEMENTS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
7788	CITY OF LEAGUE CITY	FM 518 BYPASS	FM 518 / FM 2094 / FM 270		INTERSECTION IMPROVEMENTS @ 3 INTERSECTIONS	\$2,600,000	0.500	06/15/2006	1.624	3.177
7001	TXDOT HOUSTON DISTRICT	US 290	0.37 MI E OF BECKER RD	0.75 MI EAST OF BAUER RD	INTERIM DIAMOND INTERCHANGE W/ RURAL FRONTAGE ROADS WEST OF BAUER	\$11,935,232	1.628	08/04/2005	1.770	3.450
7000	TXDOT HOUSTON DISTRICT	US 290	0.52 MI E OF ROBERTS RD	0.72 MI E OF BECKER RD	INTERIM DIAMOND INTERCHANGE W/ RURAL FRONTAGE ROADS	\$11,814,766	1.237	08/04/2005	1.339	2.620
6099	TXDOT HOUSTON DISTRICT	US 290	BADTKE RD	0.52 MI E OF ROBERTS RD	INTERIM DIAMOND INTERCHANGE W/ RURAL FRONTAGE ROADS	\$8,939,993	1.624	08/04/2005	1.758	3.440
Category Totals:						\$35,289,991	4.989		6.491	12.687

Category: **INTERSECTION IMPROVEMENTS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
3006	TXDOT HOUSTON DISTRICT	IH 45 N	AT FM 1097		IMPROVE INTERSECTION & WIDEN BRIDGE	\$2,000,000	1.243	04/20/2000	1.346	2.633
3007	TXDOT HOUSTON DISTRICT	IH 610	AT N SHEPHERD, N DURHAM AND ELLA BLVD		CONSTRUCT U-TURNS	\$680,000		03/20/2000	0.550	0.800

Type: **TRAFFIC FLOW IMPROVEMENTS**

Category: **INTERSECTION IMPROVEMENTS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
2986	CITY OF HOUSTON	WESTHEIMER	AT WILCREST		INTERSECTION IMPROVEMENTS	\$150,000	0.100	01/01/2003	0.100	0.180
Category Totals:						\$2,830,000	1.343		1.996	3.613

Category: **OTHER**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
2445	PORT OF HOUSTON AUTHORITY	BARBOURS CUT BLVD	ALONG GEORGE ALTVATER RD	BARBOURS CUT BLVD	CONSTRUCT QUEUING LANES ALONG GEORGE ALTVATER ROAD/TRAFFIC CROSSOVER TO BARBOURS CUT BLVD	\$3,903,000	0.001	02/01/2005	1.740	3.820
<i>PROJECT COMPLETED WITH LOCAL FUNDS USED EXISTING ROADWAY MADE A SMALLER PROJECT</i>										
Category Totals:						\$3,903,000	0.001		1.740	3.820

Category: **TRAFFIC ENGINEERING**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
270	TXDOT HOUSTON DISTRICT	US 59 S	0.681 KM W OF S KIRKWOOD DR	RAMPS @ SP 41/SUGAR CREEK BLVD	WIDEN TO 8 LANES WITH HOV & FRTG RDS AT ULTIMATE LOCATION	\$32,756,000	1.897	09/21/2004	0.930	1.360
9720	TXDOT HOUSTON DISTRICT	US 59 S	RAMPS AT SP 41/SUGAR CREEK BLVD	0.682 KM E OF WILLIAMS TRACE BLVD	WIDEN TO 8 MAIN LANES W/HOV & FRTG RDS @ ULTIMATE LOCATION & TMS	\$29,136,000	1.697	12/03/2003	1.051	3.144
Category Totals:						\$61,892,000	3.594		1.981	4.504

Category: **TRAFFIC SIGNAL IMPROVEMENTS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
1095	HCTRA	BW 8	SH 249	IH 45	INSTALL SIGNAL COORDINATION SYSTEM	\$1,900,000		01/01/2003	18.810	14.490
<i>COMPLETED WITH LOCAL FUNDS</i>										
1124	CITY OF SUGAR LAND	DULLES AVE	SH 6	US 90A	SYNCHRONIZATION & INTERCONNECTION	\$285,000	2.750	09/01/2003	2.050	1.640
<i>IMPROVEMENTS BEING IMPLEMENTED BY CITY</i>										

Type: **TRAFFIC FLOW IMPROVEMENTS**

Category: **TRAFFIC SIGNAL IMPROVEMENTS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
9846	TXDOT HOUSTON DISTRICT	FM 529	HUFFMEISTER RD	BARKER-CY PRESS RD	INSTALL ATMS	\$393,513	4.510	03/21/2001	4.014	8.835
1008	TXDOT HOUSTON DISTRICT	IH 10 E	MEADOW ST	SP 330	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	\$6,177,062	29.359	05/25/2000	2.140	4.710
1011	TXDOT HOUSTON DISTRICT	IH 45 S	W OF 59TH ST	61ST ST	INSTALL ARTERIAL TRAFFIC MGMT SYSTEM @ GALVESTON CAUSEWAY	\$65,000	0.324	08/01/2004	0.280	0.634
1121	CITY OF SUGAR LAND	LEXINGTON BLVD, AUSTIN PKWY & SWEETWATER BLVD			SYNCHRONIZATION AND INTERCONNECTION OF TRAFFIC SIGNALS	\$600,000	0.001	03/30/2005	6.010	13.230
3090	MONTGOMERY COUNTY	RESEARCH FOREST DR	IH 45	KUYKENDAH L	SIGNAL SYNCHRONIZATION	\$593,521		01/07/2000	4.450	9.795
1020	TXDOT HOUSTON DISTRICT	SH 35	14TH ST	SH 36	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	\$178,000	0.890	02/01/2006	0.790	1.740
1023	TXDOT HOUSTON DISTRICT	SH 6	FM 2004	FM 519	INSTALL ATMS	\$183,000	0.910	10/30/2000	0.810	1.780
1120	CITY OF SUGAR LAND	SH 6	LEXINGTON BLVD	AUSTIN PKWY	SYNCHRONIZATION & INTERCONNECTION	\$150,000		01/01/2002	0.360	0.300
<i>COMPLETED LOCALLY</i>										
1119	CITY OF SUGAR LAND	SH 6	US 59	BROOKS ST	SYNCHRONIZATION & INTERCONNECTION	\$50,000		09/01/2002	0.120	0.100
<i>COMPLETED LOCALLY</i>										
1034	TXDOT HOUSTON DISTRICT	US 90	FM 359 W	FM 359 E	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	\$289,879	0.359	08/29/2003	0.320	0.705
1118	CITY OF SUGAR LAND	WILLIAMS TRACE BLVD	SH 6	AUSTIN PKWY	SIGNALIZATION, SYNCHRONIZATION & INTERCONNECTION	\$215,000		08/07/2001	2.310	5.090

Type: **TRAFFIC FLOW IMPROVEMENTS**

Category: **TRAFFIC SIGNAL IMPROVEMENTS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
1117	CITY OF SUGAR LAND	WILLIAMS TRACE BLVD	US 59	SH 6	SIGNALIZATION, SYNCHRONIZATION, & INTERCONNECTION	\$265,000		08/07/2001	2.770	6.110
3092	MONTGOMERY COUNTY	WOODLANDS PKWY	IH 45	COCHRANS CROSSING	SIGNAL SYNCHRONIZATION	\$572,527		01/07/2000	0.270	0.510
Category Totals:						\$11,917,502		39.103	45.504	69.669

Category: **TURN LANES**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
2993	TXDOT HOUSTON DISTRICT	BW 8	AT RICHMOND AVE & WESTHEIMER RD		ADD RIGHT TURN LANES	\$500,000	0.928	08/30/2001	1.046	1.966
7292	TXDOT HOUSTON DISTRICT	FM 1464	FM 1093	0.320 MI S. OF WEST OAKS (W. OAK VILLAGE)	WIDEN SUBGRADE ACP OVERLAY PAVEMENT MARKINGS AND TRAFFIC SIGNAL (LEFT TURN CHANNEL)	\$443,700	0.570	05/07/2002	2.950	4.130
7295	TXDOT HOUSTON DISTRICT	FM 1488	AT NEW MAGNOLIA HIGH SCHOOL		WIDEN PAVEMENT FOR LEFT AND RIGHT TURN CHANNELIZATION & FLASHING BEACONS	\$485,000	0.360	10/24/2001	0.779	1.525
10720	TXDOT HOUSTON DISTRICT	FM 2100	AT WOLF RD		LEFT TURN CHANNELIZATION AND TRAFFIC SIGNAL	\$255,100	0.301	08/02/2004	0.594	1.227
7283	TXDOT HOUSTON DISTRICT	FM 359	AT LAMAR CONSOLIDATED ISD CAMPUS		ADD RIGHT AND LEFT TURN LANE	\$355,825	0.937	07/26/2002	1.014	1.985
10714	TXDOT HOUSTON DISTRICT	FM 518	AT CLEARVIEW AVE		LEFT TURN CHANNELIZATION AND TRAFFIC SIGNAL	\$109,000	0.108	07/06/2004	0.850	2.980

Type: **TRAFFIC FLOW IMPROVEMENTS**

Category: **TURN LANES**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
7284	TXDOT HOUSTON DISTRICT	FM 518	SH 35	PEARLAND AVE	CONTINUOUS LEFT TURN LANE, SHOULDER AND OVERLAY	\$680,000	0.321	08/05/2003	0.347	0.680
7252	TXDOT HOUSTON DISTRICT	LP 494	AT COMMUNITY DR		LEFT TURN CHANNELIZATION AND TRAFFIC SIGNAL	\$210,000	0.234	06/13/2003	0.644	1.130
7253	TXDOT HOUSTON DISTRICT	LP 494	AT GREEN FARRIS ROAD		LEFT TURN CHANNELIZATION AND TRAFFIC SIGNAL	\$240,000	0.238	06/13/2003	0.531	1.040
1151	TXDOT BEAUMONT DISTRICT	LP 573	BOULEVARD ST	BOOTHE ST	CONSTRUCT CONTINUOUS LEFT TURN LANE BY REMOVING MEDIAN	\$500,000	0.000	05/30/1998	1.100	2.110
7320	TXDOT HOUSTON DISTRICT	SH 105	AT LONGVIEW ST		ADD LEFT TURN LANE	\$120,000	0.341	12/06/2001	0.369	0.722
10391	TXDOT HOUSTON DISTRICT	SH 3	AT NASA RD 1		LENGTHEN LEFT TURN LANE	\$80,300	0.001	11/18/2003	0.361	0.706
7394	TXDOT HOUSTON DISTRICT	SH 35	AT BS 35C N & S, FM 2917, CR 192, SP 28 & CR 46		INSTALL LEFT TURN LANES	\$1,520,000	2.220	02/09/2004	1.850	3.980
11367	TXDOT HOUSTON DISTRICT	SH 35	SH 288	WAKER ST	CONTINUOUS LEFT TURN LANE, SHOULDER AND OVERLAY	\$230,000	0.689	08/05/2003	1.330	2.920
7270	TXDOT HOUSTON DISTRICT	SH 36	AT FRITZELLA	NEEDVILLE M.S. & H.S.	WIDEN SUBGRADE ACP OVERLAY AND PAVEMENT MARKINGS (PRECIOUS CARGO PROGRAM)	\$127,000	0.116	05/07/2002	0.570	0.790
7370	TXDOT HOUSTON DISTRICT	SH 36	FM 360 &	COLONY/NE EDVILLE-FAI RCHILDS RD	LEFT TURN CHANNELIZATION AND TRAFFIC SIGNAL	\$602,800	0.835	06/10/2003	1.018	2.192

Type: **TRAFFIC FLOW IMPROVEMENTS**

Category: **TURN LANES**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
7315	TXDOT HOUSTON DISTRICT	SH 75	LEAGUE LINE RD ETC.		ADD LEFT TURN LANE AND TRAFFIC SIGNAL	\$220,000	0.341	12/06/2001	0.980	2.190
7251	TXDOT HOUSTON DISTRICT	SP 149	AT FM 1488		LEFT TURN CHANNELIZATION AND TRAFFIC SIGNAL	\$288,300	0.225	10/17/2003	0.444	0.917
1152	TXDOT BEAUMONT DISTRICT	US 90	EAST ST	TENNESSEE ST	CONSTRUCT CONTINUOUS LEFT TURN LANE	\$375,000	0.000	10/31/1998	1.120	2.180
Category Totals:						\$7,342,025	8.765		17.897	35.370
Totals for Type: TRAFFIC FLOW IMPROVEMENTS						Type Totals:	\$267,431,974	238.158	178.834	340.403

Type: **TRANSIT**

Category: **LIGHT RAIL**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
9980	METRO	VA	CBD	DOME PROJECT	HIGH CAPACITY TRANSITWAY PROJECT	\$300,000,000	6.000	08/01/2004	14.440	20.220
Category Totals:						\$300,000,000	6.000		14.440	20.220

Category: **OPERATING**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
5096	THE DISTRICT (BRAZOS TRANSIT DISTRICT)	RESEARCH FOREST P&R	VARIOUS		PROVIDE OPERATION OF 6 BUSES TO SERVE RESEARCH FOREST P&R EXPANSION FY 1998	\$600,000	0.001	05/01/2000	0.980	1.370
Category Totals:						\$600,000	0.001		0.980	1.370

Category: **OTHER**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
9978	THE DISTRICT (BRAZOS TRANSIT DISTRICT)	WOODLANDS TOWN CENTER	IH 45	GROGAN'S MILL RD	PURCHASE 4 SMALL ALT-FUELED VEHICLES	\$1,250,000	0.000	09/01/2004	0.550	0.980

FUNDING TRANSFERRED TO FTA--VEHICLES PURCHASED

Type: **TRANSIT**

Category: **OTHER**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
<i>Category Totals:</i>						\$1,250,000	0.000		0.550	0.980

Category: **PARK & RIDE**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
4068	THE DISTRICT (BRAZOS TRANSIT DISTRICT)	RESEARCH FOREST P&R	AT 3200 RED BIRD		CONSTRUCT RESEARCH FOREST PARK & RIDE EXPANSION	\$1,150,000	0.001	03/01/2003	3.337	4.730
<i>COMPLETE 250 SPACES</i>										
9756	FORT BEND COUNTY	SH 36 FAIRGROUNDS PARK AND RIDE	@ US 59		CONSTRUCT FAIRGROUNDS PARK AND RIDE: PHASE 2 (250 SPACES) FINAL DESIGN AND CONSTRUCTION COST OVERRUNS	\$2,112,832	0.001	09/01/2011 04/03/2012	3.337	4.730
<i>250 SPACES IN AN ADJACENT PARKING LOT IS BEING TEMPORARILY USED FOR P&R UNTIL THIS PROJECT IS CONSTRUCTED. COMPLETE 250 SPACES</i>										
3041	TXDOT HOUSTON DISTRICT	UNIVERSITY BLVD	IN SUGARLAND		CONSTRUCT PARK & RIDE	\$1,252,360	0.001	10/04/2002	3.060	4.350
<i>600 spaces</i>										
13462	METRO	WEST BELLFORT P&R			EXPANSION OF PARK & RIDE (608 SPACES)	\$0	15.750	09/01/2003	9.030	10.700
<i>COMPLETED BY METRO</i>										
13463	METRO	WESTCHASE P&R			EXPANSION OF WESTCHASE P&R (1468 SPACES)	\$0		09/01/2004	16.910	14.280
<i>COMPLETED BY METRO</i>										
10225	THE DISTRICT (BRAZOS TRANSIT DISTRICT)	WOODLANDS PKWY	PARK & RIDE		THE WOODLANDS PARKWAY PARK & RIDE (PHASE II) 400-SPACE LOT	\$1,878,234	0.001	11/01/2007	5.339	7.568
10224	THE DISTRICT (BRAZOS TRANSIT DISTRICT)	WOODLANDS PKWY (NEAR)	AT KUYKENDAHL, JOHN COOPER DR & BRANCH CROSSING		CONSTRUCTION OF PARK AND RIDE FACILITY (200 SPACES)	\$6,393,000	0.001	11/01/2006	6.670	9.450
<i>Category Totals:</i>						\$12,786,426	15.755		47.683	55.808

Type: **TRANSIT**

Category: **PEDESTRIAN IMPROVEMENTS**

MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
11193	THE DISTRICT (BRAZOS TRANSIT DISTRICT)	VA	LAKE ROBBINS	WOODLAND S REGIONAL MALL	CONSTRUCT PEDESTRIAN TRANSITWAY (PHASE I)	\$5,625,000	0.001	10/01/2005	14.873	19.620
4069	THE DISTRICT (BRAZOS TRANSIT DISTRICT)	WOODLANDS TOWN CENTER	LAKE ROBBINS	GROGANS MILL	CONSTRUCT PEDESTRIAN BRIDGES @ LAKE ROBBINS & WOODSTEAD	\$2,350,000	6.200	09/01/2005	0.550	0.980
<i>WAS CLASSIFIED AS A PEDESTRIAN/BICYCLE PROJECT BUT SHOULD BE CLASSIFIED AS A TRANSIT PROJECT</i>										
1215	THE DISTRICT (BRAZOS TRANSIT DISTRICT)	WOODLANDS TOWN CENTER	TOWN CENTER	CORRIDOR IN THE WOODLANDS	CONSTRUCT PEDESTRIAN/ TRANSITWAY (PHASE II)	\$12,738,000	2.360	10/01/1998	13.520	24.710
<i>WAS CLASSIFIED AS A PEDESTRIAN/BICYCLE PROJECT BUT SHOULD BE CLASSIFIED AS TRANSIT</i>										
10357	THE DISTRICT (BRAZOS TRANSIT DISTRICT)	WOODLANDS TOWN CENTER PEDESTRIAN CORRIDOR	TURNING BASIN ON WOODLANDS WATERWAY	LAKE ROBBINS	WOODLANDS TOWN CENTER PEDESTRIAN CORRIDOR SOUTH SIDE 12' WIDE CONCRETE SHARED-USE PATH	\$2,280,000	1.200	08/01/2004	0.550	0.980
Category Totals:						\$22,993,000	9.761		29.493	46.290
Category: SERVICES										
MPO ID	Sponsor	Street	From Limit	To Limit	Project Description	Total Cost	Length	Completion Date	VOC (kg/day)	NOx (kg/day)
Project Notes:										
5097	THE DISTRICT (BRAZOS TRANSIT DISTRICT)	VA	VARIOUS		FY 1999 PROVIDE OPERATION OF 6 ADD'L BUSES TO SERVE RESEARCH FOREST P&R EXPANSION	\$600,000	0.001	05/01/2001	0.980	1.370
Category Totals:						\$600,000	0.001		0.980	1.370
Totals for Type: TRANSIT						Type Totals: \$338,229,426	31.518		94.126	126.038