

Appendix 9.14

TCM Timely Implementation

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 not TCM emission credits are applied to this conformity. Please refer to the individual project listings for more information on these TCMs.

Projects Completed 1994 through 1999

The TCM commitments completed prior to the year 2000 are listed to demonstrate that these commitments have been met. In the future, H-GAC will no longer report on these TCMs.

Project Type	VOC (kg/day [*])	NOx (kg/day [*])	CO (kg/day [*])	Total Cost [†]
BIKE/PED	13.944	25.338	68.797	\$13,914,600
ITS	45.010	88.320	162.786	\$55,192,554
RCTSS	132.560	108.290	402.826	\$22,446,718
TDM	85.950	121.077	295.410	\$2,437,550
TSM	3.195	4.224	18.000	\$2,143,908
Totals	280.659	347.249	947.818	\$96,135,330

Projects Withdrawn

These TCM commitments are withdrawn because they will not be complete by the 2007 deadline, in particular, these projects are withdrawn because emission reductions will not be achieved by the 2007 air-quality attainment deadline or the project has been withdrawn by its sponsor. Various reasons for these delays and withdrawals include funding issues, right-of-way acquisition issues, environmental issues and public comments. H-GAC is working with the project sponsors to resolve these reasons and avoid slippage in TCM projects.

Project Type	VOC (kg/day [*])	NOx (kg/day [*])	CO (kg/day [*])	Total Cost [†]
BIKE/PED	2.668	3.976	12.583	\$13,787,406
INTMDL	8.351	31.443	94.189	\$14,587,500
P&R	17.291	24.490	61.282	\$5,583,000
TDM [‡]	10.650	15.000	37.210	\$1,870,000
TSM	0.455	0.654	1.670	\$9,075,722
Totals	39.414	75.562	206.934	\$44,903,628

* To convert kilograms to pounds multiply by 2.20462. To convert kilograms to tons multiply by 0.001102.

† Total project cost includes all funding sources as well as federal, state and local dollars.

‡ The projects were withdrawn because they were converted to the Voluntary Mobile Emission Reduction Program (VMEP).

Replacement Projects

These TCM commitments have been identified to replace the above withdrawn projects and thus need to be reported as part of a current SIP. These projects are of similar types and are already completed or expected to be completed in the timeframe for which the original TCMs were proposed. The replacement projects are expected to provide equal or greater emissions benefits than those withdrawn.

Project Type [§]	VOC (kg/day)*	NOx (kg/day)*	CO (kg/day)*	Total Cost [†]
BIKE/PED	1.948	3.361	8.996	\$3,076,561
P&R	20.724	29.369	73.374	\$10,895,360
TSM	27.861	57.758	145.727	\$80,546,625
Totals	50.533	90.488	228.098	\$94,518,546

Project Completed 2000 or Later

These projects are completed or are currently under construction and scheduled to be completed after 2000 are thus reported as part of a current SIP.

Project Type	VOC (kg/day)*	NOx (kg/day)*	CO (kg/day)*	Total Cost [†]
BIKE/PED	38.146	54.337	134.493	\$24,516,579
INTMDL	3.900	6.840	14.572	\$18,785,830
ITS	59.357	100.027	252.919	\$37,777,705
P&R	0.980	1.370	4.040	\$600,000
RCTSS	22.146	48.659	119.922	\$12,786,502
TDM	161.790	227.995	567.290	\$316,911,663
TSM	34.160	56.726	148.800	\$84,656,599
Totals	320.478	495.954	1242.116	\$496,034,878

Project Pending

These TCM commitments have not let to contract but are expected to be completed by the 2007 timeframe. These projects are programmed in the 2006-2008 TIP or are part of locally funded sponsor agency Capital Improvement Programs.

Project Type	VOC (kg/day)*	NOx (kg/day)*	CO (kg/day)*	Total Cost [†]
BIKE/PED	38.146	54.337	134.493	\$24,516,579
ITS	59.357	100.027	252.919	\$37,777,705
P&R	0.980	1.370	4.040	\$600,000
RCTSS	22.146	48.659	119.922	\$12,786,502
TSM	34.160	56.726	148.800	\$84,656,599
Totals	320.478	495.954	1242.116	\$496,034,878

[§] Intermodal (INTMDL) projects in this case involve rail tracks at the Port of Houston and do not have similar replacements. TDM projects were converted to VMEPS. Both types of projects were replaced with transportation systems management (TSM) type projects. Please see individual project listing for further information.

Projects Completed 1994 through 1999

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Grouped by Project Type. Sorted by Street and Limits.

Project Type: BIKE/PED

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC kg/day*	NOx kg/day*	CO kg/day*	Total Cost
5061	CITY OF SUGAR LAND	SWEETWATER BLVD	AT DITCH "A"		CONSTRUCT BIKE/PEDESTRIAN BRIDGE OVER "DITCH A"	1999	0.100	0.150	0.320	\$207,600
2586	TXDOT	VA	2ND AVE AT 16TH ST	BAY ST @ 14TH AVE	TEXAS CITY TRAILS LANDSCAPING & SIGNALS	1998	0.224	0.318	0.787	\$735,000
5060	CITY OF SUGAR LAND	WILLIAMS TRACE BLVD	AT OYSTER CREEK		CONSTRUCT BIKE/PEDESTRIAN BRIDGE OVER OYSTER CREEK	1999	0.100	0.160	0.340	\$234,000
1215	TXDOT	WOODLANDS TOWN CENTER PEDESTRIAN/TRANSIT CTR	TOWN CENTER PEDESTRIAN/TRANSIT CENTER	CORRIDOR IN THE WOODLANDS	CONSTRUCT PEDESTRIAN/ TRANSITWAY (PHASE II)	1997	13.520	24.710	67.350	\$12,738,000

Summary for BIKE/PED (4 projects)

Totals 13.944 25.338 68.797 \$13,914,600

Project Type: ITS

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC kg/day*	NOx kg/day*	CO kg/day*	Total Cost
1341	TXDOT	BW 8	IH 45 (N)	US 59 (N)	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	1999	2.710	5.960	8.802	\$3,752,646
1342	TXDOT	IH 10 W	SH 6	FORT BEND C/L	INSTALL CTMS	1998	2.260	4.970	7.356	\$2,477,554
11953	TXDOT	IH 10 W	SH 6	IH 610 W	INSTALL FREEWAY TRAFFIC MANAGEMENT AND SIGNAL COORIDINATION SYSTEM	1994	6.150	4.740	13.980	\$2,282,582
1164	TXDOT	IH 45 N	BASTROP ST	IH 10	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	1996	1.470	3.230	4.776	\$1,427,537
1196	TXDOT	IH 45 S	GALVESTON C/L	CHOATE RD	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	1996	1.690	3.730	5.514	\$3,600,000
1179	TXDOT	IH 45 S	IH 610 (S)	CHOATE ROAD	SURVEILLANCE, COMMUNICATION & CONTROL SYSTEM, FRWY TRAFFIC MANAGEMENT AND SIGNAL COORDINATION SYSTEM	1996	3.760	8.260	12.216	\$6,000,000
1165	TXDOT	IH 610	BISBEE ST	W OF SH 35	INSTALL CTMS	1997	0.550	1.220	1.950	\$888,000
1177	TXDOT	IH 610	GELLHORN	BISBEE ST	INSTALL CTMS	1997	2.960	4.530	7.230	\$2,545,320
1185	TXDOT	IH 610	OLD KATY RD	US 59 (N)	INSTALL CTMS	1996	3.140	6.910	10.218	\$4,801,403
1167	TXDOT	IH 610	SH 288	N BRAESWOOD	INSTALL CTMS	1996	1.870	4.110	6.558	\$1,886,148
1172	TXDOT	IH 610	SOUTH BRAESWOOD	OLD KATY RD	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	1996	2.620	5.760	9.204	\$4,230,000
1180	TXDOT	IH 610	US 59	GELLHORN	INSTALL CTMS	1997	1.980	4.360	6.456	\$3,015,883
1178	TXDOT	IH 610	W OF SH 35	SH 288	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	1997	2.080	4.570	7.296	\$2,438,214
1169	TXDOT	SH 225	E OF IH 610	SH 134	INSTALL CTMS	1997	4.510	9.890	21.786	\$5,480,000

Project Type: ITS

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	DRAFT		Total Cost
							kg/day*	kg/day*	kg/day*	kg/day*	
1158	TXDOT	SH 288	US 59	BRAZORIA C/L	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	1997	4.290	9.470	19.974		\$4,650,000
11348	TXDOT	US 59 SW	W BELLFORT DR	S SHEPHERD	SURVEILLANCE COMMUNICATION & CONTROL SYSTEM, FRWY TRAFFIC MANAGEMENT AND SIGNAL COORDINATION SYSTEM	1995	2.970	6.610	19.470		\$5,717,267
<i>Summary for ITS (16 projects)</i>						<i>Totals</i>	45.010	88.320	162.786		\$55,192,554

Project Type: RCTSS

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost
							kg/day*	kg/day*	kg/day*	
1186	TXDOT	BF 1960A	LEE RD	WILSON RD	INSTALL ATMS	1996	3.160	9.910	14.664	\$695,000
1198	TXDOT	BS 146D	SH 146	FAIRMONT PKWY	INSTALL ATMS	1998	1.360	1.050	2.862	\$300,000
11956	TXDOT	BS 288B	FM 523	SH 35 IN ANGLETON	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1997	2.870	2.210	6.520	\$215,127
11354	TXDOT	BS 288B	SH 35	PHILLIPS IN ANGLETON	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1997	1.860	1.430	4.220	\$140,972
11351	TXDOT	BS 35-C	SH 6	FM 1462	INSTALL ATMS	1996	1.930	1.480	4.380	\$279,937
1191	TXDOT	BW 8	HARDY ST	WILSON OAKS	UPGRADE FIXED TIME TO ACTUATED SIGNALS	1997	0.810	0.620	2.910	\$138,000
1192	TXDOT	BW 8	LOCKWOOD	IH 10 (E)	UPGRADE FIXED TIME TO ACTUATED SIGNALS	1997	1.250	0.960	4.518	\$166,000
11957	TXDOT	FM 1640	SH 36	FM 762	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1994	1.030	0.790	2.340	\$181,609
1132	TXDOT	FM 1764	FM 2004	AMBURN	UPGRADE FIXED TIME TO ACTUATED SIGNALS	1997	0.500	0.370	1.662	\$150,000
1133	TXDOT	FM 1764	SH 146	14TH ST	INSTALL ATMS	1997	2.100	1.690	7.278	\$446,000
1140	TXDOT	FM 1765	IH 45	SH 3	INSTALL ATMS	1997	0.250	0.190	0.882	\$434,000
1134	TXDOT	FM 1765	SH 3	LP 197	INSTALL ATMS	1997	4.090	3.120	13.464	\$826,000
11360	TXDOT	FM 1876	US 90A	BELLFORT	INSTALL ATMS	1998	2.640	2.030	5.990	\$665,000
11359	TXDOT	FM 1942	BU 90U	FM 1942	INSTALL ATMS	1998	0.430	0.330	0.980	\$88,000
1181	TXDOT	FM 1960	IMPERIAL VALLEY	LEE RD	INSTALL ATMS	1996	6.070	4.650	21.606	\$449,295
1182	TXDOT	FM 1960	LEE RD	NORTH HOUSTON RD	INSTALL ATMS	1996	2.760	2.110	9.828	\$606,000
1154	TXDOT	FM 1960	NORTH HOUSTON RD	ATASCASITA	INSTALL ATMS	1999	6.630	5.050	23.358	\$1,439,000
1131	TXDOT	FM 2004	SH 332	BS 288B	INSTALL ATMS	1995	4.690	3.610	15.504	\$340,000
1137	TXDOT	FM 2094	FM 518	SOUTH SHORE BLVD	INSTALL ATMS	1995	1.380	1.050	4.554	\$290,000
1113	TXDOT	FM 2234	US 90 A	QUAIL RUN	INSTALL ATMS	1998	3.300	2.560	10.794	\$666,000
1187	TXDOT	FM 2351	GALVESTON C/L	BEAMER RD	INSTALL ATMS	1999	1.420	1.090	5.058	\$320,000

Project Type: RCTSS

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	DRAFT	
							kg/day*	kg/day*	kg/day*	Total Cost
1141	TXDOT	FM 2351	HARRIS C/L	SUNSET	INSTALL SIGNAL COORDINATION SYSTEM	1999	0.400	0.300	1.338	\$292,000
1189	TXDOT	FM 2920	SH 249	CHERRY IN TOMBALL	INSTALL ATMS	1998	1.040	0.800	2.172	\$227,000
1110	TXDOT	FM 3155	US 90 A	COLLINS	INSTALL ATMS	1996	0.110	0.100	0.450	\$99,738
1111	TXDOT	FM 3345	FM 1092	FM 2234	INSTALL ATMS	1998	2.260	1.740	7.392	\$455,000
1135	TXDOT	FM 518	FM 2351	FM 528	INSTALL ATMS	1999	2.050	1.560	6.744	\$222,518
11356	TXDOT	FM 518	HARKEY O'DAY	WESTMINST ER	INSTALL ATMS	1998	2.930	2.250	6.640	\$592,000
1136	TXDOT	FM 518	LANDING	FM 2094	INSTALL ATMS	1995	3.130	2.380	10.290	\$700,000
1156	TXDOT	FM 525	HARDY ST	LEE RD	INSTALL ATMS	1999	4.300	3.280	15.168	\$934,000
1142	TXDOT	FM 528	FM 518	HARRIS C/L	INSTALL ATMS	1999	0.760	0.580	2.670	\$162,000
1173	TXDOT	FM 528	GALVESTON C/L	BAY AREA BLVD	INSTALL ATMS	1999	1.030	0.790	3.666	\$226,000
1139	TXDOT	FM 528	SUNSET	W OF FM 518	INSTALL ATMS	1999	0.130	0.100	0.456	\$29,000
1163	TXDOT	IH 10 E	SHELDON ROAD	NORTH MAIN	UPGRADE FIXED TIME TO ACTUATED SIGNALS	1997	2.780	2.050	11.646	\$67,550
1153	TXDOT	IH 10 W	CAMPBELL RD	BINGLE RD	UPGRADE FIXED TIME TO ACTUATED SIGNALS	1997	0.120	0.100	0.402	\$61,949
1209	TXDOT	IH 45 N	LP 336 (S)	LP 336 (N)	UPGRADE FIXED TIME TO ACTUATED SIGNALS	1996	0.390	0.310	1.434	\$131,254
1138	TXDOT	IH 45 S	FM 519	FM 517	UPGRADE FIXED TIME TO ACTUATED SIGNALS	1997	2.400	1.770	7.974	\$160,000
1129	TXDOT	LP 197	SH 146	21ST ST. NORTH	INSTALL ATMS	1997	1.860	1.430	6.138	\$376,000
1212	TXDOT	LP 336	LONGMIRE	N. THOMPSON	INSTALL ATMS	1996	1.040	0.800	2.178	\$178,297
1214	TXDOT	SH 105	LP 336 (W)	SH 75	INSTALL ATMS	1996	2.090	1.610	4.392	\$172,452
1213	TXDOT	SH 105	SH 75	FM 1485	INSTALL ATMS	1996	3.610	2.770	7.566	\$337,392
11363	TXDOT	SH 146	6TH ST	FM 518	INSTALL ATMS	1998	0.440	0.340	1.010	\$80,000
1127	TXDOT	SH 146	FM 1764	FM 1765	INSTALL ATMS	1997	1.100	0.840	3.612	\$222,000
1128	TXDOT	SH 146	LP 197 N	FM 1764	UPGRADE FIXED TIME TO ACTUATED SIGNALS	1997	0.270	0.200	0.888	\$110,000
1146	TXDOT	SH 146	RED BLUFF	NASA 1	INSTALL ATMS	1999	1.560	1.190	5.496	\$338,000
1190	TXDOT	SH 249	SETON LAKE	DEER TRAIL	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1995	5.210	3.980	18.510	\$1,140,000
1168	TXDOT	SH 249	TOMBALL HILLS	GRAHAM	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1998	1.730	1.320	6.132	\$378,000
11362	TXDOT	SH 288	AT FM 518		UPGRADE FIXED TIME TO ACTUATED SIGNAL	1997	0.130	0.100	0.800	\$60,000
1090	TXDOT	SH 288	PARK	SH 36	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1998	4.750	3.650	15.594	\$317,714
11355	TXDOT	SH 3	FM 1765	FM 519	INSTALL ATMS	1997	1.840	1.410	4.190	\$143,590

Project Type: RCTSS

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	DRAFT		Total Cost
							kg/day*	kg/day*	kg/day*	kg/day*	
11347	TXDOT	SH 3	FM 518	WALKER	INSTALL ATMS	1995	0.260	0.200	1.580		\$27,050
11349	TXDOT	SH 332	FM 2004	MAIN ST	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1995	5.360	4.120	12.150		\$810,000
11955	TXDOT	SH 35	FM 523	BS 288B IN ANGLETON	INSTALL SIGNAL COORDINATION SYSTEM	1997	3.660	2.810	8.280		\$350,944
11350	TXDOT	SH 35	FM 528	SH 6	INSTALL ATMS	1996	1.880	1.450	4.260		\$86,124
1096	TXDOT	SH 35	ORANGE	WALNUT	INSTALL ATMS	1998	0.190	0.140	0.612		\$42,322
1084	TXDOT	SH 35	SH 288	BS 288B	INSTALL ATMS	1997	1.390	1.070	4.560		\$149,224
11954	TXDOT	SH 35	SH 6	FM 1462 IN ALVIN	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1996	1.050	0.100	2.360		\$183,348
11358	TXDOT	SH 36	GAINS	MP RR	INSTALL ATMS	1998	1.460	1.120	3.320		\$95,735
1083	TXDOT	SH 36	MP RR	FM 521 SOUTH	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1998	0.170	0.130	0.558		\$46,662
11352	TXDOT	SH 36	US 90 A	US 59	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1996	1.780	1.370	4.040		\$214,722
1079	TXDOT	SH 6	2ND ST	BS 35C IN ALVIN	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1996	0.210	0.160	0.684		\$84,356
11361	TXDOT	SH 6	BS 35C	SH 35	INSTALL ATMS	1996	1.110	0.850	2.510		\$224,000
1112	TXDOT	SH 6	HARRIS C/L	OLD RICHMOND RD	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	1996	1.210	0.940	3.954		\$160,885
1183	TXDOT	SH 6	PARK ROW, N OF IH 10(W)	FORT BEND C/L	INSTALL ATMS	1996	1.030	0.790	3.666		\$767,175
1184	TXDOT	SH 6	US 290	FM 529	INSTALL SIGNAL COORDINATION SYSTEM	1996	0.910	0.670	3.024		\$626,125
1075	TXDOT	SH 75	AT LP 336 (S)		UPGRADE FIXED TIME TO ACTUATED SIGNAL	1996	0.190	0.140	0.630		\$63,813
1207	TXDOT	SH 75	FM 3083	SH 105	INSTALL ATMS	1996	2.370	1.820	4.962		\$170,099
1204	TXDOT	SH 75	SH 105	GLADSTELL ST	INSTALL ATMS	1996	1.160	0.890	2.442		\$133,251
1205	TXDOT	US 59 N	FM 1485	FM 1314	UPGRADE FIXED TIME TO ACTUATED SIGNALS	1998	0.380	0.300	1.362		\$65,904
1100	TXDOT	US 59 SW	AIRPORT BLVD	W OF S KIRKWOOD	UPGRADE FIXED TIME TO ACTUATED SIGNALS	1999	0.150	0.110	0.492		\$97,795
1106	TXDOT	US 90	FM 1463	HARRIS C/L	INSTALL ATMS	1999	0.170	0.130	0.558		\$64,306
1157	TXDOT	US 90	FORT BEND C/L	KATY-FORT BEND CR	INSTALL ATMS	1999	1.190	0.910	4.218		\$144,434
1155	TXDOT	US 90	UVALDE	SHELDON	UPGRADE FIXED TIME TO ACTUATED SIGNALS	1997	1.010	0.740	3.342		\$110,000
1101	TXDOT	US 90A	FM 1092	FM 2234	INTERCONNECT SIGNALS	1998	1.710	1.310	5.562		\$343,000
11353	TXDOT	US 90A	FM 723	MILLIE	INSTALL ATMS	1996	2.570	1.970	5.380		\$336,050

Summary for RCTSS (74 projects)

Totals 132.560 108.290 402.826 \$22,446,718

Project Type: TDM

Proj ID	Sponsor Agency Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	DRAFT		Total Cost
						kg/day*	kg/day*	kg/day*	kg/day*	
1532 H-GAC	8-COUNTY NON-ATTAINMENT	VA	VA	REGIONAL VANPOOL PROGRAM (QUICK START) FY 97	1999	28.650	40.359	98.470		\$784,000
3048 H-GAC	VA	VARIOUS		REGIONAL VANPOOL PROGRAM (FY 1999)	1999	28.650	40.359	98.470		\$226,800
2207 H-GAC	VA	VARIOUS		REGIONAL COMMUTE ALTERNATIVES PROGRAM (FY 1999)	1999	28.650	40.359	98.470		\$1,426,750
<i>Summary for TDM (3 projects)</i>					<i>Totals</i>	85.950	121.077	295.410		\$2,437,550

Project Type: TSM

Proj ID	Sponsor Agency Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost
						kg/day*	kg/day*	kg/day*	
2996 TXDOT	FM 1764	AT AMBURN		CONSTRUCT RIGHT TURN LANES	1999	0.100	0.160	0.690	\$121,719
2995 TXDOT	FM 1764	AT SH 146		CONSTRUCT RIGHT TURN LANE	1999	0.249	0.487	1.207	\$78,951
2999 TXDOT	FM 2234	AT FM 521		CONSTRUCT ADDT'L TURN LANE @ INTERSECTION	1999	0.349	0.682	1.690	\$1,200,000
3000 TXDOT	FM 359	AT US 90A		CONSTRUCT ADDT'L TURN LANE @ INTERSECTION	1999	0.248	0.485	1.202	\$352,748
3009 TXDOT	SH 146	AT EDGEWATER & LP 197 N		CONSTRUCT RIGHT TURN LANE	1999	0.990	1.440	10.350	\$243,671
11366 TXDOT	US 90A	LP 762	MILLIE	INSTALL ATMS	1996	1.260	0.970	2.860	\$146,819
<i>Summary for TSM (6 projects)</i>					<i>Totals</i>	3.195	4.224	18.000	\$2,143,908
<i>Grand Totals</i>						280.659	347.249	947.818	\$96,135,330

Projects Withdrawn

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Grouped by Project Type. Sorted by Street and Limits.

Project Type: BIKE/PED

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC kg/day*	NOx kg/day*	CO kg/day*	Total Cost
2223	CITY OF LEAGUE CITY	BAY AREA BLVD	BRITTANY BAY BLVD	CLEAR CREEK	CONSTRUCT HIKE & BIKE	2014	0.104	0.146	0.373	\$300,000
5022	CITY OF HOUSTON	BRAYS BAYOU TRAIL	DAIRY ASHFORD	BEECHNUT	CONSTRUCT BIKE/HIKE TRAIL	9999	0.325	0.461	1.141	\$2,696,000
2222	CITY OF LEAGUE CITY	BRITTANY BAY BLVD	BAY AREA BLVD	FM 528	CONSTRUCT HIKE & BIKE	2015	0.108	0.153	0.382	\$600,000
2221	CITY OF LEAGUE CITY	BRITTANY BAY BLVD	IH 45	BAY AREA BLVD	CONSTRUCT HIKE & BIKE	2012	0.100	0.148	0.375	\$324,000
2269	CITY OF MISSOURI CITY	FM 1092	VARIOUS		RESTRIPE ROADWAY FOR ON-STREET BIKE LANE	9999	0.110	0.180	0.816	\$20,300
2270	CITY OF MISSOURI CITY	FM 2234	VARIOUS		RESTRIPE ROADWAY FOR ON-STREET BIKE LANE	2008	0.130	0.210	0.912	\$23,200
5054	CITY OF MISSOURI CITY	HIKE/BIKE TRAIL	CITY HALL/CIVIC CENTER	COMMUNITY PARK	CONSTRUCT HIKE/BIKE TRAIL (SEG 1)	2008	0.240	0.340	0.842	\$2,795,600
5055	CITY OF MISSOURI CITY	HIKE/BIKE TRAIL	FONDREN PARK	CITY HALL/CIVIC CNTR	CONSTRUCT HIKE/BIKE TRAIL (SEG 3)	2008	0.282	0.400	0.989	\$3,004,400
9358	CITY OF HOUSTON	OLD GALVESTON RD BIKEWAY	ALLENDALE	BAY AREA BLVD	CONST HIKE & BIKE TRAIL	9999	0.580	0.960	4.330	\$0
2928	CITY OF MISSOURI CITY	SEG 2: MISSOURI CITY BIKE TRAIL	COURT RD	CARTWRIGH T RD	HIKE AND BIKE TRAIL (SEGMENT 2) (MISSOUR CITY)	9999	0.132	0.187	0.464	\$173,956
9870	CITY OF HOUSTON	WEST BRAYS BAYOU BIKE TRAIL-EAST SEGMENT	1500' W OF IH 610	MIDWAY IN HERMANN PARK	CONSTRUCT BIKE TRAIL	9999	0.294	0.418	1.034	\$3,144,293
9903	CITY OF HOUSTON	WEST BRAYS BAYOU BIKE TRAIL-WEST SEGMENT B	BEECHNUT	550' N OF BISSONNET	CONSTRUCT WEST BRAYS BAYOU BIKE TRAIL- WEST SEGMENT B	9999	0.263	0.373	0.924	\$705,657

Summary for BIKE/PED (12 projects)

Totals 2.668 3.976 12.583 \$13,787,406

Project Type: INTMDL

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC kg/day*	NOx kg/day*	CO kg/day*	Total Cost
7104	PORT OF HOUSTON AUTHORITY	BARBOURS CUT TERMINAL	VARIOUS		CONSTRUCT ADDITIONAL RAIL TO BARBOURS CUT TERMINAL	2008	3.030	14.122	42.365	\$850,000
3095	PORT OF HOUSTON AUTHORITY	DEER PARK/PASADENA JUNCTION RAIL EXT	DEER PARK JUNCTION	PASADENA JUNCTION	CONSTRUCT ADDITIONAL RAILROAD TRACK	2010	1.160	1.620	4.790	\$5,750,000
2982	PORT OF HOUSTON AUTHORITY	TRANSFER STATION @ INDUSTRIAL PARK			CONSTRUCT 8900' OF RAILROAD TRACK	2010	3.030	14.122	42.365	\$4,625,000

Project Type: INTMDL

<i>Proj ID</i>	<i>Sponsor Agency</i>	<i>Street</i>	<i>From Location</i>	<i>To Location</i>	<i>Project Description</i>	<i>Oper Year</i>	<i>VOC kg/day*</i>	<i>NOx kg/day*</i>	<i>CO kg/day*</i>	<i>Total Cost</i>
9371	PORT OF HOUSTON AUTHORITY	TRANSFER STATION @ INDUSTRIAL PARK			EXTEND RAILROAD TRACK FOR SHIPSIDE SERVICE (PH 3)	2010	1.130	1.580	4.670	\$3,362,500

Summary for INTMDL (4 projects)

<i>Totals</i>						2010	8.351	31.443	94.189	\$14,587,500
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Project Type: P&R

<i>Proj ID</i>	<i>Sponsor Agency</i>	<i>Street</i>	<i>From Location</i>	<i>To Location</i>	<i>Project Description</i>	<i>Oper Year</i>	<i>VOC kg/day*</i>	<i>NOx kg/day*</i>	<i>CO kg/day*</i>	<i>Total Cost</i>
9390	GULF COAST CENTER	IH 45 S	AT FM 1764		PH 2: FINAL DESIGN & CONSTRUCT OF GALVESTON CO PARK & RIDE	9999	3.337	4.730	11.711	\$2,483,000
2918	CITY OF LEAGUE CITY	SH 96	AT IH 45		CONSTRUCT PARK & RIDE (472 SPACES)	2012	6.300	8.930	22.110	\$300,000
9401	GULF COAST CENTER	VA	VARIOUS		PHASE 2: CONSTRUCT BRAZORIA COUNTY OP/MAINT FACILITY W/ P&R FOR BRAZORIA TRANSIT	9999	6.674	9.460	23.422	\$2,200,000
5098	THE DISTRICT	VA	VARIOUS		PROVIDE OP OF 6 BUSES TO SERVE RESEARCH FOREST P&R EXPANSION	9999	0.980	1.370	4.040	\$600,000

Summary for P&R (4 projects)

<i>Totals</i>						9999	17.291	24.490	61.282	\$5,583,000
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Project Type: TDM

<i>Proj ID</i>	<i>Sponsor Agency</i>	<i>Street</i>	<i>From Location</i>	<i>To Location</i>	<i>Project Description</i>	<i>Oper Year</i>	<i>VOC kg/day*</i>	<i>NOx kg/day*</i>	<i>CO kg/day*</i>	<i>Total Cost</i>
6001	H-GAC	VA	VARIOUS		REGIONAL VANPOOL PROGRAM (FY 2005)	2007	7.100	10.000	24.800	\$1,750,000
6000	H-GAC	VA	VARIOUS		TELECOMMUTING PROGRAM (FY 2005)	2007	3.550	5.000	12.410	\$120,000

Summary for TDM (2 projects)

<i>Totals</i>						2007	10.650	15.000	37.210	\$1,870,000
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Project Type: TSM

<i>Proj ID</i>	<i>Sponsor Agency</i>	<i>Street</i>	<i>From Location</i>	<i>To Location</i>	<i>Project Description</i>	<i>Oper Year</i>	<i>VOC kg/day*</i>	<i>NOx kg/day*</i>	<i>CO kg/day*</i>	<i>Total Cost</i>
5083	TXDOT	FM 1960	0.40 KM W OF JONES RD	0.40 KM E OF JONES RD	CONSTRUCT GRADE SEPARATION	9999	0.100	0.150	0.310	\$6,075,722
9910	TXDOT	FM 2218	S OF FM FM 1640 (AT SEARS HARDWARE)		ADD LEFT TURN LANES	9999	0.170	0.240	0.710	\$1,500,000
2969	CITY OF PEARLAND	MAGNOLIA DR	AT BNSF RR		CONSTRUCT GRADE SEPARATION AT RR TRACK	9999	0.185	0.264	0.650	\$1,500,000

Summary for TSM (3 projects)

<i>Totals</i>						9999	0.455	0.654	1.670	\$9,075,722
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<i>Grand Totals</i>							39.414	75.562	206.934	\$44,903,628
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Replacement Projects

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Grouped by Project Type. Sorted by Street and Limits.

Project Type: BIKE/PED

<i>Proj ID</i>	<i>Sponsor Agency</i>	<i>Street</i>	<i>From Location</i>	<i>To Location</i>	<i>Project Description</i>	<i>Oper Year</i>	<i>VOC kg/day*</i>	<i>NOx kg/day*</i>	<i>CO kg/day*</i>	<i>Total Cost</i>
7025	TXDOT	ALDINE MAIL ROUTE	0.5 MI W OF JOHN F KENNEDY BLVD	US 59	INSTALL SIDEWALKS	2006	0.150	0.210	0.620	\$852,568
7298	TXDOT	FM 2004	NEVILLE ST	SCHIRO ST	PLACE SIDEWALKS	2004	0.665	1.301	3.489	\$117,000
10946	TXDOT	HEMPSTEAD RD	N OF N POST OAK	S OF N POST OAK	CONSTRUCT TWO PEDESTRIAN SHELTER FOUNDATIONS WITH PEDESTRIAN RAILS	2004	0.280	0.640	1.890	\$80,000
7644	HARRIS COUNTY	LYONS SCHOOL RD	STUEBNER AIRLINE	BLUE & GOLD RD	PEDESTRIAN WALKWAY	2004	0.213	0.302	0.747	\$207,900
2936	TXDOT	TEXAS CITY TRLS - PH 2	COLLEGE OF THE MAINLAND	BAY ST PARK (E TX CITY)	CONSTRUCT HIKE & BIKE TRAILS	2000	0.522	0.741	1.835	\$1,600,933
5059	CITY OF SEABROOK	TODVILLE RD	PINE GULLY PARK	MIRAMAR PARK	CONSTRUCT 15' HIKE/BIKE TRAIL PARALLEL TO TODVILLE	2002	0.118	0.168	0.415	\$218,160
<i>Summary for BIKE/PED (6 projects)</i>						<i>Totals</i>	1.948	3.361	8.996	\$3,076,561

Project Type: P&R

<i>Proj ID</i>	<i>Sponsor Agency</i>	<i>Street</i>	<i>From Location</i>	<i>To Location</i>	<i>Project Description</i>	<i>Oper Year</i>	<i>VOC kg/day*</i>	<i>NOx kg/day*</i>	<i>CO kg/day*</i>	<i>Total Cost</i>
5096	THE DISTRICT	RESEARCH FOREST P&R	VARIOUS		PROVIDE OPERATION OF 6 BUSES TO SERVE RESEARCH FOREST P&R EXPANSION FY 1998	2000	0.980	1.370	4.040	\$600,000
4068	THE DISTRICT	RESEARCH FOREST PARK & RIDE LOT	RESEARCH FOREST PARK & RIDE LOT		CONSTRUCT RESEARCH FOREST PARK & RIDE EXPANSION	2004	3.337	4.730	11.711	\$1,150,000
3041	TXDOT	UNIVERSITY BLVD	IN SUGARLAND		CONSTRUCT PARK & RIDE	2002	3.060	4.350	10.780	\$1,252,360
10225	THE DISTRICT	WOODLANDS PKWY	PARK & RIDE		THE WOODLANDS PARKWAY PARK & RIDE (PHASE II) 400-SPACE LOT	2007	5.339	7.568	18.737	\$1,500,000
10224	THE DISTRICT	WOODLANDS PKWY (NEAR)	AT KUYKENDAHL, JOHN COOPER DR & BRANCH CROSSING		CONSTRUCTION OF PARK AND RIDE FACILITY	2006	8.008	11.352	28.106	\$6,393,000
<i>Summary for P&R (5 projects)</i>						<i>Totals</i>	20.724	29.369	73.374	\$10,895,360

Project Type: TSM

<i>Proj ID</i>	<i>Sponsor Agency</i>	<i>Street</i>	<i>From Location</i>	<i>To Location</i>	<i>Project Description</i>	<i>Oper Year</i>	<i>VOC kg/day*</i>	<i>NOx kg/day*</i>	<i>CO kg/day*</i>	<i>Total Cost</i>
6090	TXDOT	BS 288B	AT UP RR IN CLUTE		CONSTRUCT RAILROAD GRADE SEPARATION AND APPROACHES	2004	0.309	0.440	1.080	\$10,000,000
10574	TXDOT	FM 1093	IH 610	SH 6	WESTHEIMER CORRIDOR IMPROVEMENTS - PHASE 1	2006	22.144	45.770	113.115	\$3,125,000
7283	TXDOT	FM 359	AT LAMAR CONSOLIDATED ISD CAMPUS		ADD RIGHT AND LEFT TURN LANE	2002	1.014	1.985	4.918	\$355,825

Project Type: TSM

VOC NOx **DRAFT**

<i>Proj ID</i>	<i>Sponsor Agency</i>	<i>Street</i>	<i>From Location</i>	<i>To Location</i>	<i>Project Description</i>	<i>Oper Year</i>	<i>VOC kg/day*</i>	<i>NOx kg/day*</i>	<i>CO kg/day*</i>	<i>Total Cost</i>
2049	TXDOT	FM 723	AT BN&SF AND UP RAILROADS IN ROSENBERG		RAILROAD GRADE SEPARATION AND APPROACHES	2003	0.203	0.289	0.713	\$2,200,000
270	TXDOT	US 59 SW	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	2004	0.930	1.360	3.350	\$32,756,000
9720	TXDOT	US 59 SW	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	2002	1.051	3.144	8.471	\$29,136,000
9840	TXDOT	US 90	AT KRENEK RD		GRADE SEPARATION	2003	2.210	4.770	14.080	\$2,973,800
<i>Summary for TSM (7 projects)</i>						<i>Totals</i>	27.861	57.758	145.727	\$80,546,625
						<i>Grand Totals</i>	50.533	90.488	228.098	\$94,518,546

Projects Completed 2000 or Later

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Grouped by Project Type. Sorted by Street and Limits.

Project Type: BIKE/PED

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC kg/day*	NOx kg/day*	CO kg/day*	Total Cost
2927	CITY OF ALVIN	ALVIN MUSTANG TRAIL	N ALVIN C/L	S ALVIN C/L	CONSTRUCT ALVIN MUSTANG TRAIL SYSTEM OF BRAZORIA COUNTY	2003	1.299	1.843	4.563	\$1,798,000
3069	CITY OF BAYTOWN	BAYTOWN HIKE & BIKE TRAIL	ARIZONA ST	MARKET ST	CONSTRUCT HIKE & BIKE TRAIL (PHASE 2)	2006	0.100	0.160	0.390	\$1,526,890
9987	CITY OF HOUSTON	CBD ACCESS ON-STREET BIKEWAYS	NORTH SEGMENT		CBD ACCESS ON-STREET BIKEWAY NETWORK (TCM SIP COMMITMENT)	2001	1.477	2.095	5.188	\$2,076,965
9988	CITY OF HOUSTON	CBD ACCESS ON-STREET BIKEWAYS	SOUTH SEGMENT - PH 1		CBD ACCESS ON-STREET BIKEWAY NETWORK (TCM SIP COMMITMENT)	2001	2.523	3.580	8.864	\$1,282,474
9989	CITY OF HOUSTON	CBD ACCESS ON-STREET BIKEWAYS	SOUTH SEGMENT - PH 2		CBD ACCESS ON STREET BIKEWAY NETWORK-PHASE 2	2003	0.195	0.277	0.685	\$156,600
9954	CITY OF BAYTOWN	GOOSE CREEK TRAIL (PHASE 2)	S OF MARKET ST	W OF TEXAS AVE	CONSTRUCT HIKE/BIKE TRAIL	2006	0.299	0.425	1.052	\$1,156,250
7006	CITY OF HOUSTON	HARRISBURG/SUNSET RAILS TO TRAILS			HARRISBURG/SUNSET RAILS TO TRAILS - PHASE 2	2003	0.560	0.810	1.967	\$952,000
3075	CITY OF HOUSTON	HARRISBURG/SUNSET RAILS TO TRAILS	CHENEVERT	75TH STREET AND BUFFALO BAYOU	HARRISBURG/SUNSET RAILS TO TRAILS-PH 1 (TCM SIP COMMITMENT)	2000	0.280	0.397	0.983	\$2,075,000
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 (TCM SIP COMMITMENT)	2001	0.143	0.203	0.502	\$611,000
3061	CITY OF HOUSTON	N HOUSTON ON-STREET BKWY NTRWK - PH 1			CONSTRUCT ON-STREET BIKEWAY NETWORK (N OF LP 610) (TCM SIP COMMITMENT)	2001	23.103	32.778	81.166	\$1,746,000
7007	CITY OF HOUSTON	N HOUSTON ON-STREET BKWY NTRWK - PH 2			NORTH HOUSTON ON-STREET BIKEWAY NETWORK - PHASE 2	2004	0.240	0.341	0.844	\$313,000
3071	CITY OF HOUSTON	TMC/GREENWAY PLAZA/GALLERIA ON-STREET BIKE			MED CTR/GREENWAY PLAZA/GALLERIA ACCESS ON-STREET BIKEWAY NETWORK-EAST SEG PH 1 (TCM SIP COMMITMENT)	2001	1.527	2.167	5.365	\$1,277,400
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)	2000	1.690	2.380	5.890	\$440,000
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)	2000	1.677	2.380	5.892	\$1,734,700
7005	CITY OF HOUSTON	TMC/GREENWAY PLAZA/GALLERIA ON-STREET BIKE			ACCESS ON-STREET BIKEWAY NETWORK - PHASE 2	2003	0.654	0.928	2.299	\$1,198,300

Project Type: BIKE/PED

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	DRAFT		Total Cost
							kg/day*	kg/day*	kg/day*	kg/day*	
3063	CITY OF HOUSTON	W HOUSTON ON-ST BIKEWAY - PH 1			BIKE W HOUSTON ON-STREET BIKEWAY - PH 1 (TCM SIP COMMITMENT)	2001	1.556	2.208	5.467		\$1,220,000
3074	CITY OF HOUSTON	W WHITE OAK BAYOU TRL	11TH ST	S OF PINEMONT	CONSTRUCT W WHITE OAK BAYOU TRAIL (TCM SIP COMMITMENT)	2001	0.272	0.386	0.956		\$2,602,000
4069	THE DISTRICT	WOODLANDS TOWN CENTER	LAKE ROBBINS	GROGANS MILL	CONSTRUCT PEDESTRIAN BRIDGES @ LAKE ROBBINS & WOODSTEAD	2005	0.550	0.980	2.420		\$2,350,000
<i>Summary for BIKE/PED (18 projects)</i>						<i>Totals</i>	38.146	54.337	134.493		\$24,516,579

Project Type: INTMDL

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost	
							kg/day*	kg/day*	kg/day*		
2445	PORT OF HOUSTON AUTHORITY	BARBOURS CUT QUEUE LANES	ALONG GEORGE ALTVATER RD	BARBOURS CUT BLVD	CONSTRUCT QUEUING LANES ALONG GEORGE ALTVATER ROAD/TRAFFIC CROSSOVER TO BARBOURS CUT BLVD	9999	1.740	3.820	5.652	\$3,903,000	
9534	PORT OF HOUSTON AUTHORITY	DEER PARK JUNCTION TERMINAL	AT STRANG YARD		CONSTRUCT PORT OF HOUSTON LEAD TRACK - SEGMENT 3 AT STRANG YARD	2002	2.160	3.020	8.920	\$14,882,830	
<i>Summary for INTMDL (2 projects)</i>						<i>Totals</i>	3.900	6.840	14.572		\$18,785,830

Project Type: ITS

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost
							kg/day*	kg/day*	kg/day*	
1095	TXDOT	BW 8	SH 249	IH 45	INSTALL SIGNAL COORDINATION SYSTEM	2002	18.810	14.490	37.908	\$1,900,000
1124	CITY OF SUGAR LAND	DULLES AVE	SH 6	US 90A	SYNCRONIZATION & INNERCONNECTION	2001	2.050	1.640	7.434	\$285,000
9527	TXDOT	IH 10 E	SAN JACINTO ST	MEADOW ST	INSTALL COMPUTERIZED TRAFFIC MANAGEMENT SYSTEM	2003	1.220	2.679	6.601	\$600,000
1015	TXDOT	IH 45 N	HARRIS C/L	TAMINA RD	INSTALL CTMS (TCM SIP COMMITMENT)	2004	1.830	4.010	9.900	\$2,318,660
1014	TXDOT	IH 45 N	RANKIN RD	CYPRESSWO OD	INSTALL CTMS (TCM SIP COMMITMENT)	2002	3.810	8.370	20.630	\$3,596,000
1012	TXDOT	IH 45 S	61ST ST	S OF SH 6	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2002	2.200	4.830	11.910	\$3,856,000
1016	TXDOT	IH 45 S	S OF SH 6	HARRIS C/L	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2002	6.530	14.340	35.340	\$10,345,000
1121	CITY OF SUGAR LAND	LEXINGTON BLVD, AUSTIN PKWY & SWEETWATER BLVD			SYNCRONIZATION AND INTERCONNECTION OF TRAFFIC SIGNALS	2006	6.010	13.230	32.600	\$600,000
1103	TXDOT	SH 146	MCCABE RD	TYLER ST	INSTALL CTMS - INCL SURVELLANCE SYS, COMMUNICATN SYS, SATELLITE COMPUTER FAC, & MONITORING CONTRL	2003	0.807	1.772	4.367	\$1,204,650
3010	TXDOT	SH 225	SH 134	STRANG RD	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2002	1.391	3.053	7.524	\$2,270,000
1120	CITY OF SUGAR LAND	SH 6	LEXINGTON BLVD	AUSTIN PKWY	SYNCRONIZATION & INNERCONNECTION	2001	0.360	0.300	1.350	\$150,000

Project Type: ITS

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	DRAFT		Total Cost
							kg/day*	kg/day*	kg/day*	kg/day*	
1119	CITY OF SUGAR LAND	SH 6	US 59	BROOKS ST	SYNCHRONIZATION & INNERCONNECTION	2001	0.120	0.100	0.450		\$50,000
9532	TXDOT	US 59 N	0.136 MI S OF BF 1960A	GREENS BAYOU	INSTALL CTMS	2002	3.643	7.998	19.707		\$2,172,654
1028	TXDOT	US 59 N	0.28 MI N OF SAUNDERS	IH 610	INSTALL CTMS	2002	1.751	3.844	9.471		\$1,082,654
1032	TXDOT	US 59 N	GREENS BAYOU	0.28 MI N OF SAUNDERS	INSTALL CTMS	2002	2.429	5.333	13.141		\$3,027,731
9533	TXDOT	US 59 N	IH 610	0.019 MI N OF BELL ST	INSTALL COMPUTERIZED TRAFFIC MANAGEMENT SYSTEM	2005	1.759	3.860	9.512		\$2,470,000
1031	TXDOT	US 59 SW	HARRIS C/L	SH 6	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2006	1.267	2.781	6.851		\$1,426,204
1027	TXDOT	US 59 SW	W BELLFORT	FORT BEND C/L	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2007	3.369	7.396	18.225		\$423,152

Summary for ITS (18 projects)

Totals 59.357 100.027 252.919 \$37,777,705

Project Type: P&R

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost
							kg/day*	kg/day*	kg/day*	
5097	THE DISTRICT	VA	VARIOUS		FY 99-PROVIDE OPERATION OF 6 ADD'L BUSES TO SERVE RESEARCH FOREST P&R EXPANSION	2001	0.980	1.370	4.040	\$600,000

Summary for P&R (1 project)

Totals 0.980 1.370 4.040 \$600,000

Project Type: RCTSS

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost
							kg/day*	kg/day*	kg/day*	
9846	TXDOT	FM 529	HUFFMEISTER RD	BARKER-CYPRESS RD	INSTALL ATMS	2001	4.014	8.835	21.770	\$393,513
1008	TXDOT	IH 10 E	MEADOW ST	SP 330	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2000	2.140	4.710	11.620	\$6,177,062
1007	TXDOT	IH 10 W	STUDEMONT	SAN JACINTO	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2003	0.940	2.080	5.120	\$1,255,000
1825	TXDOT	IH 45 N	CYPRESSWOOD	MONTGOMERY C/L	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2004	1.421	3.120	7.688	\$2,409,000
1011	TXDOT	IH 45 S	W OF 59TH ST	61ST ST	INSTALL ARTERIAL TRAFFIC MGMT SYSTEM @ GALVESTON CAUSEWAY	2004	0.280	0.634	1.560	\$65,000
3090	MONTGOMERY COUNTY	RESEARCH FOREST	IH 45	KUYKENDAH L	SIGNAL SYNCHRONIZATION	2000	4.450	9.795	24.135	\$593,521
1020	TXDOT	SH 35	14TH ST	SH 36	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	2006	0.790	1.740	4.290	\$178,000
1023	TXDOT	SH 6	FM 2004	FM 519	INSTALL ATMS	2000	0.810	1.780	4.390	\$183,000
1072	TXDOT	US 59 SW	RAMPS AT SP 41/SUGAR CREEK BLVD	SH 6	UPGRADE FIXED TIME TO ACTUATED SIGNALS	2001	0.100	0.180	0.450	\$150,000

Project Type: RCTSS

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	DRAFT		Total Cost
							kg/day*	kg/day*	kg/day*	kg/day*	
1071	TXDOT	US 59 SW	W OF S KIRKWOOD	RAMPS AT SP 41/SUGAR CRK BLVD	UPGRADE FIXED TIME TO ACTUATED SIGNALS	2001	1.531	3.369	8.302		\$40,000
1034	TXDOT	US 90	FM 359 W	FM 359 E	INSTALL ARTERIAL TRAFFIC MANAGEMENT SYSTEM	2003	0.320	0.705	1.738		\$289,879
1118	CITY OF SUGAR LAND	WILLIAMS TRACE BLVD	SH 6	AUSTIN PKWY	SIGNALIZATION, SYNCHRONIZATION, & INTERCONNECTION	2001	2.310	5.090	12.550		\$215,000
1117	CITY OF SUGAR LAND	WILLIAMS TRACE BLVD	US 59	SH 6	SIGNALIZATION, SYNCHRONIZATION, & INTERCONNECTION	2001	2.770	6.110	15.060		\$265,000
3092	MONTGOMERY COUNTY	WOODLANDS PKWY	IH 45	COCHRANS CROSSING	SIGNAL SYNCHRONIZATION	2000	0.270	0.510	1.250		\$572,527

Summary for RCTSS (14 projects)

Totals 22.146 48.659 119.922 \$12,786,502

Project Type: TDM

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost
							kg/day*	kg/day*	kg/day*	
9980	METRO	VA	CBD	DOVE PROJECT	HIGH CAPACITY TRANSITWAY PROJECT	2004	14.440	20.220	59.640	\$300,000,000
3049	H-GAC	VA	VARIOUS		TELECOMMUTING 3 YEAR PILOT PROGRAM (FY 1998-2000)	2000	3.550	5.000	12.410	\$358,845
9975	H-GAC	VA	VARIOUS		REGIONAL COMMUTE ALTERNATIVES PROGRAM - IMPLEMENTATION (FY 2002)	2002	28.650	40.359	98.470	\$4,177,188
9927	H-GAC	VA	VARIOUS		REGIONAL COMMUTE ALTERNATIVES PROGRAM - IMPLEMENTATION (FY 2000)	2002	28.650	40.359	98.470	\$3,439,040
9417	H-GAC	VA	VARIOUS		REGIONAL VANPOOL PROGRAM (FY 2000)	2002	28.650	40.359	98.470	\$1,387,500
9790	H-GAC	VA	VARIOUS		REGIONAL COMMUTE ALTERNATIVES PROGRAM (FY 1998)	2001	28.650	40.359	98.470	\$1,250,000
9945	H-GAC	VA	VARIOUS		REGIONAL COMMUTE ALTERNATIVES PROGRAM - IMPLEMENTATION (FY 2001)	2002	28.650	40.359	98.470	\$5,049,090
9978	THE DISTRICT	WOODLANDS TOWN CENTER	IH 45	GROGAN'S MILL RD	PURCHASE 4 SMALL ALT-FUELED VEHICLES	2005	0.550	0.980	2.890	\$1,250,000

Summary for TDM (8 projects)

Totals 161.790 227.995 567.290 \$316,911,663

Project Type: TSM

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost
							kg/day*	kg/day*	kg/day*	
2993	TXDOT	BW 8	AT RICHMOND AVE & WESTHEIMER RD		ADD RT TURN LANES	2002	1.046	1.966	4.871	\$500,000
7292	TXDOT	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)	2002	2.950	4.130	11.740	\$443,700

Project Type: TSM

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	DRAFT		Total Cost
							kg/day*	kg/day*	kg/day*		
7295	TXDOT	FM 1488	AT NEW MAGNOLIA HIGH SCHOOL		WIDEN PAVEMENT FOR LEFT AND RIGHT TURN CHANNELIZATION & FLASHING BEACONS	2001	0.779	1.525	3.779		\$485,000
3006	TXDOT	IH 45 N	AT FM 1097		IMPROVE INTERSECTION & WIDEN BRIDGE	2000	1.346	2.633	6.525		\$2,000,000
470	TXDOT	IH 45 S	AT EL DORADO		WIDEN BRIDGE	2003	5.140	7.180	17.180		\$2,000,000
3007	TXDOT	IH 610	AT N SHEPHERD, N DURHAM AND ELLA BLVD		CONSTRUCT U-TURNS	2000	0.550	0.800	3.450		\$680,000
1151	TXDOT-BEAUMONT DIST	LP 573	BOULEVARD ST	BOOTHE ST	CONSTRUCT CONTINUOUS LEFT TURN LANE BY REMOVING MEDIAN	2004	1.100	2.110	5.250		\$500,000
5082	TXDOT	SH 288	AT CR 220		CONSTRUCT GRADE SEPARATION	2004	1.739	2.477	6.102		\$5,000,000
3012	TXDOT	SH 288	AT CR 44		GRADE SEPARATION	2003	2.432	3.465	8.536		\$5,000,000
3013	TXDOT	SH 288	AT FM 2004		CONSTRUCT GRADE SEPARATION OF MAINLANES ON SH 288 OVER FM 2004	2003	6.390	10.220	25.180		\$7,953,500
11367	TXDOT	SH 35	SH 288	WAKER STREET	CONTINUOUS LEFT TURN LANE, SHOULDER AND OVERLAY	2004	1.330	2.920	8.620		\$230,000
7270	TXDOT	SH 36	AT FRITZELLA	NEEDVILLE M.S. & H.S.	WIDEN SUBGRADE ACP OVERLAY AND PAVEMENT MARKINGS (PRECIOUS CARGO PROGRAM)	2002	0.570	0.790	2.330		\$127,000
7315	TXDOT	SH 75	LEAGUE LINE RD ETC.		ADD LEFT TURN LANE AND TRAFFIC SIGNAL	2001	0.980	2.190	9.920		\$220,000
7033	TXDOT	SH 99	0.24 MI S OF HIGHLAND KNOLLS DR	HARRIS C/L	CONSTRUCT GRADE SEPARATION	2006	0.320	0.455	1.122		\$6,473,310
7034	TXDOT	SH 99	FORT BEND C/L	0.15 MI S OF IH 10	CONSTRUCT GRADE SEPARATION	2006	0.341	0.486	1.196		\$11,329,098
7001	TXDOT	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	2005	1.770	3.450	8.550		\$11,935,232
7000	TXDOT	US 290	0.52 MI E OF ROBERTS RD	0.72 MI E OF BECKER RD	INTERIM DIAMOND INTERCHANGE W/ RURAL FRONTAGE ROADS	2004	1.339	2.620	6.493		\$11,814,766
206	TXDOT	US 290	1488 M W OF MASON RD	1394 M E OF MASON RD	CONSTRUCT GRADE SEPARATION	2003	1.060	1.510	3.720		\$8,500,000
6099	TXDOT	US 290	BADTKE RD	0.52 MI E OF ROBERTS RD	INTERIM DIAMOND INTERCHANGE W/ RURAL FRONTAGE ROADS	2004	1.758	3.440	8.525		\$8,939,993
1152	TXDOT-BEAUMONT DIST	US 90	EAST ST	TENNESSEE ST	CONSTRUCT CONTINUOUS LEFT TURN LANE	2004	1.120	2.180	5.340		\$375,000
2986	CITY OF HOUSTON	WESTHEIMER	AT WILCREST		INTERSECTION IMPROVEMENTS	2003	0.100	0.180	0.450		\$150,000

Summary for TSM (21 projects)

Totals 34.160 56.726 148.880 \$84,656,599

Projects Pending

DRAFT

Grouped by Project Type. Sorted by Street and Limits.

Project Type: BIKE/PED

<i>Proj ID</i>	<i>Sponsor Agency</i>	<i>Street</i>	<i>From Location</i>	<i>To Location</i>	<i>Project Description</i>	<i>Oper Year</i>	<i>VOC kg/day*</i>	<i>NOx kg/day*</i>	<i>CO kg/day*</i>	<i>Total Cost</i>
3064	CITY OF HOUSTON	BUFFALO BAYOU TRAIL	SHEPHERD DR	SABINE	BIKE TRAIL ON BUFFALO BAYOU PARALLEL TO MEMORIAL DR & ALLEN PKWY	2007	0.124	0.176	0.436	\$2,820,050
2930	CITY OF HOUSTON	COLUMBIA TAP RAIL TO TRAIL	DIXIE	POLK ST	CONSTRUCT COLUMBIA TAP RAIL TO TRAIL BIKEWAY	2007	0.174	0.247	0.611	\$2,293,000
5052	CITY OF CONROE	FM 2854 & LP 336			ADD STRIPING FOR ON-STREET BIKE LANE	2007	0.210	0.350	2.530	\$366,231
5057	CITY OF LEAGUE CITY	FM 518	PERKINS	ILLINOIS	CONSTRUCT PEDESTRIAN SIDEWALK ALONG FM 518	2007	0.190	0.310	2.290	\$425,000
5051	CITY OF PEARLAND	FM 518	WESTMINISTER	RIVERSIDE DR	CONSTRUCT SIDEWALK/BIKE PATH	2007	0.150	0.330	2.390	\$321,727
2795	CITY OF HOUSTON	HALLS BAYOU BIKE TRAIL	LITTLE YORK AT PINWOOD PARK	MESA RD @ LAKE FOREST PARK	HIKE & BIKE TRAIL ALONG HALLS BAYOU	2007	0.946	1.342	3.324	\$7,697,400
9841	CITY OF HOUSTON	HERMAN BROWN PARK TRAIL	W/I HERMAN BROWN PARK	E OF FM 526 & S TO IH 10	BIKE & HIKE TRAIL THROUGH HERMAN BROWN PARK PHASE 2	2007	0.137	0.194	0.481	\$768,497
9351	CITY OF HOUSTON	KEEGANS BAYOU TRAIL	GESSNER	CITY LIMITS NEAR SYNOTT	CONSTRUCT HIKE & BIKE TRAIL	2006	0.224	0.318	0.787	\$5,027,858
2934	HARRIS COUNTY PRECINCT 2	NORTH CHANNEL HIKE & BIKE TRL	WOODFOREST BLVD (SOUTH)	WALLISVILLE RD (NORTH)	CONSTRUCT HIKE & BIKE TRL	2007	0.111	0.158	0.391	\$984,269
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)	2006	1.875	2.661	6.588	\$2,235,000
5058	CITY OF ROSENBERG	SH 36	US 90A	SEABOURNE CREEK PARK	CONSTRUCT 5' SIDEWALK TO PROVIDE A CONNECTION BETWEEN US 90A AND SEABOURNE CREEK PARK	2007	0.450	0.730	5.310	\$651,726
5056	CITY OF LEAGUE CITY	SH 96	IH 45	FM 1266	CONSTRUCT HIKE/BIKE TRAIL ALONG SH 96	2007	0.266	0.377	0.934	\$757,500
2931	CITY OF HOUSTON	SIMS BAYOU TRAIL	ROSENHAVEN ST AT SCOTTCREST PARK	IH 45	CONSTRUCT SIMS BAYOU TRAIL	2006	0.470	0.666	1.650	\$1,296,000
2273	CITY OF MISSOURI CITY	TR #1 - #11	VARIOUS		CONSTRUCT HIKE & BIKE TRAIL	2007	0.180	0.290	1.260	\$2,376,000
2281	CITY OF MISSOURI CITY	TR #12 - #21	VARIOUS		CONSTRUCT HIKE & BIKE TRAIL	2007	0.170	0.300	1.302	\$2,397,600
3072	CITY OF HOUSTON	VA	DIXIE BRIDGE NEAR HERMAN PARK	MASON PARK AT TIPPS ST	ON-STREET BIKEWAY IMPROVEMENTS	2007	1.180	1.660	4.890	\$4,889,000

Project Type: BIKE/PED

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	DRAFT		Total Cost
							kg/day*	kg/day*	kg/day*	kg/day*	
5053	CITY OF BAYTOWN	VA	GOOSE CREEK PARK - GOOSE CREEK TRAIL	GARTH RD	CONSTRUCT PEDESTRIAN PATH ALONG GOOSE CREEK	2007	0.100	0.150	0.330		\$1,070,581
3066	CITY OF HOUSTON	VA	HOUSTON HERITAGE CORR-RR TRESTLE	JOHNNY GOYEN PK ALONG WHITE OAK BAYOU HIKE & BIKE TRAIL	HIKE AND BIKE TRAIL (HOUSTON HERITAGE CORRIDOR BAYOU TRAILS WEST, SEGMENT 1)	2007	0.313	0.445	1.101		\$3,421,436
6085	CITY OF HOUSTON	VA	VA	VA	WEST HOUSTON ON-STREET BIKEWAY NETWORK PHASE 2	2007	0.100	0.150	0.300		\$800,000
9902	CITY OF HOUSTON	WEST BRAYS BAYOU BIKE TRAIL WEST SEGMENT A	550' N OF BISSONNET	1500' W OF IH 610 (WEST LOOP)	CONSTRUCT BIKE TRAIL	2007	0.509	0.723	1.790		\$4,875,822
2929	CITY OF HOUSTON	WEST WHITE OAK BAYOU TRAIL EXT	PINEMONT	TIDWELL	WEST WHITE OAK BAYOU TRAIL EXTENSION	2007	0.372	0.528	1.308		\$2,252,880
5050	CITY OF HOUSTON	WHITE OAK/KATY TRAIL	14TH ST	MAIN ST	BIKE TRAIL/LANE ON ROADS & RR ROW	2006	0.347	0.492	1.219		\$2,136,000
Summary for BIKE/PED (22 projects)						Totals	8.599	12.597	41.222		\$49,863,577

Project Type: ITS

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost	
							kg/day*	kg/day*	kg/day*		
1013	TXDOT	IH 45 N	N OF CRIGHTON RD	LP 336 N	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2007	1.640	3.610	8.910	\$2,610,000	
9536	TXDOT	IH 45 N	TAMINA RD	0.966 KM N OF CREIGHTON RD	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2007	2.498	5.483	13.510	\$3,956,000	
1019	TXDOT	SH 249	WESTLOCK	BW 8	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2007	3.280	7.200	17.740	\$5,833,000	
1026	TXDOT	SP 330	IH 10	LP 201 (SH 146)	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2007	2.200	4.830	11.900	\$2,283,000	
1029	TXDOT	US 59 N	BF 1960A	MONTGOMERY C/L	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2007	0.970	2.130	5.248	\$1,783,000	
1030	TXDOT	US 59 SW	BELL ST	S SHEPHERD	INSTALL COMPUTERIZED TRANSPORTATION MANAGEMENT SYSTEM	2007	1.364	2.995	17.377	\$2,162,000	
Summary for ITS (6 projects)						Totals	11.952	26.248	74.685		\$18,627,000

Project Type: P&R

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost
							kg/day*	kg/day*	kg/day*	
3039	FORT BEND COUNTY	SH 36	@ US 59		PHASE 1: FY 98 CONDUCT PE FOR FAIRGROUNDS PARK AND RIDE	2005	3.320	4.730	11.710	\$62,500
9756	FORT BEND COUNTY	SH 36	SH 36 - FAIRGROUNDS P&R	@ US 59	PHASE 2: CONSTRUCT FAIRGROUNDS PARK & RIDE (250 SPACES)	2007	3.337	4.730	11.711	\$1,695,930

Project Type: P&R

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	DRAFT		Total Cost
							kg/day*	kg/day*	kg/day*	kg/day*	
4090	GULF COAST CENTER	VA	VARIOUS		PARK & RIDE SERVICES TO HOUSTON: OPERATING COSTS FOR YR 1	2006	2.910	4.070	10.010		\$400,000
4091	GULF COAST CENTER	VA	VARIOUS		PARK & RIDE SERVICES PH 2	2007	2.910	4.070	10.010		\$420,000
<i>Summary for P&R (4 projects)</i>						<i>Totals</i>	12.477	17.600	43.441		\$2,578,430

Project Type: RCTSS

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost	
							kg/day*	kg/day*	kg/day*		
3089	MONTGOMERY COUNTY	LAKE WOODLANDS	NE MALL ENTRANCE (IH 45)	KUYKENDAH L RD	ATMS: SIGNAL SYNCHRONIZATION	2007	4.628	10.187	25.100	\$2,125,000	
3091	MONTGOMERY COUNTY	SAWDUST/GROGAN'S MILL	IH 45	RESEARCH FOREST BLVD	ATMS: SIGNAL SYNCHRONIZATION	2007	3.338	7.346	18.101	\$1,015,000	
<i>Summary for RCTSS (2 projects)</i>						<i>Totals</i>	7.966	17.533	43.202		\$3,140,000

Project Type: TSM

Proj ID	Sponsor Agency	Street	From Location	To Location	Project Description	Oper Year	VOC	NOx	CO	Total Cost	
							kg/day*	kg/day*	kg/day*		
1144	TXDOT	BU 90-U	IH 610 E	BW 8 E	CONTINUOUS LEFT TURN LANES	2007	6.690	13.090	32.440	\$2,500,000	
2971	CITY OF PASADENA	BW 8	AT SH 225		INTERSECTION REDESIGNS: RICHEY/SH 225, RED BLUFF/SH 225, BW 8/RED BLUFF, BW 8/PASADENA BLVD, BW 8/SPENCER HWY, BW 8/FAIRMONT PKWY, BW 8/VISTA	2006	0.630	0.880	2.610	\$1,090,000	
6070	PORT OF HOUSTON AUTHORITY	FAIRMONT PKWY	AT UPRR		CONSTRUCT GRADE SEPARATION	2007	0.111	0.158	0.390	\$10,084,727	
<i>Summary for TSM (3 projects)</i>						<i>Totals</i>	7.431	14.128	35.440		\$13,674,727
						<i>Grand Totals</i>	48.425	88.106	237.989		\$87,883,734