



TECHNICAL ANALYSIS

to Accompany

Moving Into Prosperity The Potential Impact of the Trans-Texas Corridor on Business Activity in Texas: An Analysis of the Effects in Key Trans-Texas Corridors and the State of Texas



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APPENDIX L

**Potential Impact of Efficiency Gains Stemming
from TTC-35 on the TTC-35 Study Area**

Table L.1
The Gross Potential Impact of Efficiency Gains from Short-Term TTC-35
Construction Projects on Business Activity in the TTC-35 Study Area*
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$73,305,713	\$23,038,051	\$12,227,341	914
Metal Mining	\$14,165,169	\$5,823,738	\$4,988,475	93
Coal Mining	\$30,121,549	\$5,571,745	\$8,183,471	137
Crude Petroleum & Natural Gas	\$73,447,915	\$17,779,587	\$7,296,726	29
Nonmetallic Mineral Mining	\$13,007,528	\$4,493,701	\$3,385,875	87
Construction	\$352,172,526	\$148,386,088	\$119,962,555	2,557
Food & Kindred Products	\$158,676,840	\$33,897,090	\$17,655,767	468
Tobacco Manufactures	\$4,756	\$773	\$583	0
Textile Mill products	\$5,765,859	\$1,241,179	\$1,174,419	32
Apparel & Other Textile Products	\$17,185,512	\$8,205,213	\$4,581,535	137
Lumber & Wood Products	\$10,871,367	\$3,939,823	\$2,638,398	80
Furniture & Fixtures	\$85,900	\$26,362	\$23,505	1
Paper & Allied Products	\$15,937,046	\$5,463,754	\$3,183,017	58
Printing & Publishing	\$21,886,414	\$11,800,633	\$7,097,542	142
Chemicals & Allied Products	\$35,678,007	\$7,273,278	\$5,587,359	45
Petroleum Refining	\$63,770,125	\$10,069,430	\$2,034,559	14
Rubber & Plastic Products	\$13,856,751	\$3,081,189	\$2,416,197	33
Leather & Leather Products	\$54,901	\$23,453	\$14,846	0
Stone, Clay & Glass Products	\$12,554,417	\$5,560,045	\$3,368,253	65
Primary Metals	\$62,103,606	\$16,208,158	\$14,033,510	224
Fabricated Metal Products	\$28,587,877	\$11,509,181	\$7,723,853	172
Machinery, Except Electrical	\$60,939,779	\$19,495,272	\$17,594,728	261
Electrical Machinery	\$44,778,570	\$21,839,566	\$15,646,430	205
Motor Vehicles	\$55,354,202	\$16,167,186	\$9,847,300	88
Other Transportation Equipment	\$46,767,382	\$21,870,050	\$14,979,209	281
Instruments	\$350,269	\$100,613	\$117,292	2
Miscellaneous Manufacturing	\$275,004	\$70,092	\$65,374	1
Transportation & Warehousing	\$162,022,943	\$83,430,782	\$59,848,108	1,140
Communication	\$35,813,728	\$22,772,812	\$10,708,407	146
Electric Utilities	\$42,806,360	\$8,209,523	\$3,944,687	18
Gas Utilities	\$20,541,120	\$2,630,911	\$1,293,621	6
Trade	\$793,234,974	\$558,265,868	\$341,524,484	11,266
Finance, Insurance, & Real Estate	\$352,456,882	\$129,725,186	\$48,548,680	643
Other Services	\$615,632,473	\$369,918,670	\$319,603,846	7,297
Government Enterprises	\$12,860,724	\$7,844,779	\$6,266,573	138
Total	\$3,247,074,188	\$1,585,733,780	\$1,077,566,523	26,779

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table L.2
The Gross Potential Impact of Efficiency Gains from Mid-Term TTC-35
Construction Projects on Business Activity in the TTC-35 Study Area*
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$3,474,319	\$1,091,887	\$579,514	43
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$3,467,447	\$839,367	\$344,476	1
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	\$16,867,245	\$7,106,927	\$5,745,587	122
Food & Kindred Products	\$7,526,122	\$1,607,756	\$837,422	22
Tobacco Manufactures	\$227	\$37	\$28	0
Textile Mill products	\$273,484	\$58,871	\$55,705	2
Apparel & Other Textile Products	\$820,611	\$391,800	\$218,769	7
Lumber & Wood Products	\$518,010	\$187,729	\$125,717	4
Furniture & Fixtures	\$4,093	\$1,256	\$1,120	0
Paper & Allied Products	\$757,713	\$259,769	\$151,334	3
Printing & Publishing	\$1,042,364	\$562,018	\$338,028	7
Chemicals & Allied Products	\$1,693,223	\$345,179	\$265,167	2
Petroleum Refining	\$3,019,810	\$476,834	\$96,346	1
Rubber & Plastic Products	\$658,929	\$146,520	\$114,897	2
Leather & Leather Products	\$2,630	\$1,123	\$711	0
Stone, Clay & Glass Products	\$600,353	\$265,882	\$161,070	3
Primary Metals	\$2,942,954	\$768,069	\$665,017	11
Fabricated Metal Products	\$1,360,665	\$547,789	\$367,624	8
Machinery, Except Electrical	\$2,906,251	\$929,740	\$839,102	12
Electrical Machinery	\$2,126,975	\$1,037,376	\$743,203	10
Motor Vehicles	\$2,638,961	\$770,756	\$469,461	4
Other Transportation Equipment	\$2,227,562	\$1,041,685	\$713,470	13
Instruments	\$16,641	\$4,780	\$5,572	0
Miscellaneous Manufacturing	\$13,115	\$3,343	\$3,118	0
Transportation & Warehousing	\$7,795,129	\$4,013,961	\$2,879,368	55
Communication	\$1,695,472	\$1,078,097	\$506,951	7
Electric Utilities	\$1,472,373	\$282,376	\$135,682	1
Gas Utilities	\$972,564	\$124,566	\$61,249	0
Trade	\$37,728,821	\$26,552,930	\$16,244,009	536
Finance, Insurance, & Real Estate	\$16,799,981	\$6,183,397	\$2,314,090	31
Other Services	\$29,279,798	\$17,593,523	\$15,200,524	347
Government Enterprises	\$612,213	\$373,437	\$298,310	7
Total	\$151,316,053	\$74,648,779	\$50,482,639	1,260

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table L.3
The Gross Potential Impact of Efficiency Gains from Long-Term TTC-35
Construction Projects on Business Activity in the TTC-35 Study Area*
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$21,695,189	\$6,818,225	\$3,618,742	271
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$21,652,281	\$5,241,383	\$2,151,058	9
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	\$105,326,572	\$44,378,811	\$35,877,997	765
Food & Kindred Products	\$46,996,451	\$10,039,543	\$5,229,234	139
Tobacco Manufactures	\$1,416	\$230	\$174	0
Textile Mill products	\$1,707,756	\$367,617	\$347,844	10
Apparel & Other Textile Products	\$5,124,258	\$2,446,574	\$1,366,091	41
Lumber & Wood Products	\$3,234,682	\$1,172,260	\$785,033	24
Furniture & Fixtures	\$25,561	\$7,844	\$6,994	0
Paper & Allied Products	\$4,731,494	\$1,622,115	\$944,995	17
Printing & Publishing	\$6,508,984	\$3,509,489	\$2,110,797	42
Chemicals & Allied Products	\$10,573,239	\$2,155,448	\$1,655,823	13
Petroleum Refining	\$18,857,038	\$2,977,564	\$601,626	4
Rubber & Plastic Products	\$4,114,648	\$914,934	\$717,470	10
Leather & Leather Products	\$16,423	\$7,015	\$4,441	0
Stone, Clay & Glass Products	\$3,748,873	\$1,660,285	\$1,005,794	19
Primary Metals	\$18,377,110	\$4,796,164	\$4,152,663	66
Fabricated Metal Products	\$8,496,596	\$3,420,641	\$2,295,605	51
Machinery, Except Electrical	\$18,147,926	\$5,805,711	\$5,239,727	78
Electrical Machinery	\$13,281,775	\$6,477,835	\$4,640,889	61
Motor Vehicles	\$16,478,844	\$4,812,942	\$2,931,523	26
Other Transportation Equipment	\$13,909,888	\$6,504,746	\$4,455,223	84
Instruments	\$103,911	\$29,848	\$34,796	1
Miscellaneous Manufacturing	\$81,894	\$20,873	\$19,468	0
Transportation & Warehousing	\$48,676,249	\$25,064,953	\$17,980,055	342
Communication	\$10,587,283	\$6,732,117	\$3,165,628	43
Electric Utilities	\$9,194,148	\$1,763,279	\$847,258	4
Gas Utilities	\$6,073,124	\$777,847	\$382,468	2
Trade	\$235,595,525	\$165,808,297	\$101,434,811	3,346
Finance, Insurance, & Real Estate	\$104,906,548	\$38,611,876	\$14,450,206	191
Other Services	\$182,836,071	\$109,861,775	\$94,918,826	2,167
Government Enterprises	\$3,822,929	\$2,331,908	\$1,862,777	41
Total	\$944,884,685	\$466,140,151	\$315,236,035	7,866

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table L.4
The Total Gross Potential Impact of Efficiency Gains Associated with TTC-35
Construction Projects on Business Activity in the TTC-35 Study Area*
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$98,475,221	\$30,948,163	\$16,425,597	1,228
Metal Mining	\$14,165,169	\$5,823,738	\$4,988,475	93
Coal Mining	\$30,121,549	\$5,571,745	\$8,183,471	137
Crude Petroleum & Natural Gas	\$98,567,643	\$23,860,337	\$9,792,260	39
Nonmetallic Mineral Mining	\$13,007,528	\$4,493,701	\$3,385,875	87
Construction	\$474,366,343	\$199,871,826	\$161,586,138	3,444
Food & Kindred Products	\$213,199,413	\$45,544,389	\$23,722,424	629
Tobacco Manufactures	\$6,400	\$1,039	\$784	0
Textile Mill products	\$7,747,099	\$1,667,667	\$1,577,968	43
Apparel & Other Textile Products	\$23,130,381	\$11,043,588	\$6,166,395	184
Lumber & Wood Products	\$14,624,058	\$5,299,811	\$3,549,147	107
Furniture & Fixtures	\$115,554	\$35,463	\$31,619	1
Paper & Allied Products	\$21,426,253	\$7,345,638	\$4,279,346	78
Printing & Publishing	\$29,437,762	\$15,872,140	\$9,546,368	191
Chemicals & Allied Products	\$47,944,469	\$9,773,905	\$7,508,350	60
Petroleum Refining	\$85,646,973	\$13,523,827	\$2,732,530	19
Rubber & Plastic Products	\$18,630,329	\$4,142,642	\$3,248,564	44
Leather & Leather Products	\$73,954	\$31,591	\$19,997	0
Stone, Clay & Glass Products	\$16,903,644	\$7,486,212	\$4,535,117	87
Primary Metals	\$83,423,669	\$21,772,391	\$18,851,190	300
Fabricated Metal Products	\$38,445,137	\$15,477,611	\$10,387,082	231
Machinery, Except Electrical	\$81,993,956	\$26,230,723	\$23,673,558	351
Electrical Machinery	\$60,187,319	\$29,354,777	\$21,030,522	276
Motor Vehicles	\$74,472,007	\$21,750,884	\$13,248,284	118
Other Transportation Equipment	\$62,904,832	\$29,416,482	\$20,147,903	378
Instruments	\$470,821	\$135,241	\$157,660	3
Miscellaneous Manufacturing	\$370,012	\$94,307	\$87,960	1
Transportation & Warehousing	\$218,494,321	\$112,509,696	\$80,707,531	1,537
Communication	\$48,096,484	\$30,583,026	\$14,380,986	196
Electric Utilities	\$53,472,881	\$10,255,179	\$4,927,627	22
Gas Utilities	\$27,586,808	\$3,533,324	\$1,737,339	8
Trade	\$1,066,559,320	\$750,627,095	\$459,203,304	15,149
Finance, Insurance, & Real Estate	\$474,163,411	\$174,520,459	\$65,312,975	865
Other Services	\$827,748,342	\$497,373,968	\$429,723,195	9,812
Government Enterprises	\$17,295,866	\$10,550,125	\$8,427,660	185
Total	\$4,343,274,926	\$2,126,522,709	\$1,443,285,197	35,905

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table L.5
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for TTC-35 Construction on Business Activity in the TTC-35 Study Area*:
Short-Term Effects—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$5,312,701)	(\$1,669,642)	(\$886,155)	-66
Metal Mining	(\$1,026,595)	(\$422,065)	(\$361,531)	-7
Coal Mining	(\$2,183,006)	(\$403,802)	(\$593,083)	-10
Crude Petroleum & Natural Gas	(\$5,323,007)	(\$1,288,544)	(\$528,817)	-2
Nonmetallic Mineral Mining	(\$942,697)	(\$325,673)	(\$245,385)	-6
Construction	(\$25,523,078)	(\$10,754,018)	(\$8,694,073)	-185
Food & Kindred Products	(\$11,499,822)	(\$2,456,631)	(\$1,279,570)	-34
Tobacco Manufactures	(\$345)	(\$56)	(\$42)	0
Textile Mill products	(\$417,870)	(\$89,952)	(\$85,114)	-2
Apparel & Other Textile Products	(\$1,245,489)	(\$594,658)	(\$332,039)	-10
Lumber & Wood Products	(\$787,883)	(\$285,532)	(\$191,213)	-6
Furniture & Fixtures	(\$6,225)	(\$1,911)	(\$1,703)	0
Paper & Allied Products	(\$1,155,009)	(\$395,976)	(\$230,684)	-4
Printing & Publishing	(\$1,586,179)	(\$855,230)	(\$514,382)	-10
Chemicals & Allied Products	(\$2,585,700)	(\$527,118)	(\$404,934)	-3
Petroleum Refining	(\$4,621,626)	(\$729,764)	(\$147,451)	-1
Rubber & Plastic Products	(\$1,004,243)	(\$223,304)	(\$175,110)	-2
Leather & Leather Products	(\$3,979)	(\$1,700)	(\$1,076)	0
Stone, Clay & Glass Products	(\$909,859)	(\$402,954)	(\$244,108)	-5
Primary Metals	(\$4,500,848)	(\$1,174,657)	(\$1,017,054)	-16
Fabricated Metal Products	(\$2,071,856)	(\$834,107)	(\$559,773)	-12
Machinery, Except Electrical	(\$4,416,502)	(\$1,412,885)	(\$1,275,147)	-19
Electrical Machinery	(\$3,245,247)	(\$1,582,784)	(\$1,133,947)	-15
Motor Vehicles	(\$4,011,697)	(\$1,171,688)	(\$713,666)	-6
Other Transportation Equipment	(\$3,389,383)	(\$1,584,993)	(\$1,085,592)	-20
Instruments	(\$25,385)	(\$7,292)	(\$8,501)	0
Miscellaneous Manufacturing	(\$19,930)	(\$5,080)	(\$4,738)	0
Transportation & Warehousing	(\$11,742,325)	(\$6,046,498)	(\$4,337,385)	-83
Communication	(\$2,595,536)	(\$1,650,419)	(\$776,073)	-11
Electric Utilities	(\$3,102,315)	(\$594,971)	(\$285,884)	-1
Gas Utilities	(\$1,488,681)	(\$190,671)	(\$93,753)	0
Trade	(\$57,488,295)	(\$40,459,326)	(\$24,751,380)	-817
Finance, Insurance, & Real Estate	(\$25,543,686)	(\$9,401,602)	(\$3,518,479)	-47
Other Services	(\$44,616,869)	(\$26,809,198)	(\$23,162,721)	-529
Government Enterprises	(\$932,058)	(\$568,536)	(\$454,159)	-10
Total	(\$235,325,930)	(\$114,923,237)	(\$78,094,718)	-1,941

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table L.6
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for TTC-35 Construction on Business Activity in the TTC-35 Study Area*:
Mid-Term Effects—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$251,795)	(\$79,133)	(\$41,999)	-3
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	(\$251,297)	(\$60,832)	(\$24,965)	0
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	(\$1,222,424)	(\$515,062)	(\$416,401)	-9
Food & Kindred Products	(\$545,442)	(\$116,519)	(\$60,691)	-2
Tobacco Manufactures	(\$16)	(\$3)	(\$2)	0
Textile Mill products	(\$19,820)	(\$4,267)	(\$4,037)	0
Apparel & Other Textile Products	(\$59,472)	(\$28,395)	(\$15,855)	0
Lumber & Wood Products	(\$37,542)	(\$13,605)	(\$9,111)	0
Furniture & Fixtures	(\$297)	(\$91)	(\$81)	0
Paper & Allied Products	(\$54,914)	(\$18,826)	(\$10,968)	0
Printing & Publishing	(\$75,543)	(\$40,731)	(\$24,498)	0
Chemicals & Allied Products	(\$122,713)	(\$25,016)	(\$19,218)	0
Petroleum Refining	(\$218,855)	(\$34,558)	(\$6,982)	0
Rubber & Plastic Products	(\$47,755)	(\$10,619)	(\$8,327)	0
Leather & Leather Products	(\$191)	(\$81)	(\$52)	0
Stone, Clay & Glass Products	(\$43,510)	(\$19,269)	(\$11,673)	0
Primary Metals	(\$213,285)	(\$55,664)	(\$48,196)	-1
Fabricated Metal Products	(\$98,612)	(\$39,700)	(\$26,643)	-1
Machinery, Except Electrical	(\$210,625)	(\$67,381)	(\$60,812)	-1
Electrical Machinery	(\$154,149)	(\$75,182)	(\$53,862)	-1
Motor Vehicles	(\$191,254)	(\$55,859)	(\$34,023)	0
Other Transportation Equipment	(\$161,439)	(\$75,494)	(\$51,707)	-1
Instruments	(\$1,206)	(\$346)	(\$404)	0
Miscellaneous Manufacturing	(\$950)	(\$242)	(\$226)	0
Transportation & Warehousing	(\$564,938)	(\$290,905)	(\$208,677)	-4
Communication	(\$122,876)	(\$78,133)	(\$36,740)	0
Electric Utilities	(\$106,708)	(\$20,465)	(\$9,833)	0
Gas Utilities	(\$70,485)	(\$9,028)	(\$4,439)	0
Trade	(\$2,734,329)	(\$1,924,376)	(\$1,177,256)	-39
Finance, Insurance, & Real Estate	(\$1,217,549)	(\$448,131)	(\$167,710)	-2
Other Services	(\$2,122,001)	(\$1,275,059)	(\$1,101,631)	-25
Government Enterprises	(\$44,369)	(\$27,064)	(\$21,619)	0
Total	(\$10,966,362)	(\$5,410,038)	(\$3,658,640)	-91

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Table L.7
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for TTC-35 Construction on Business Activity in the TTC-35 Study Area*:
Long-Term Effects—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$1,572,320)	(\$494,139)	(\$262,262)	-20
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	(\$1,569,211)	(\$379,860)	(\$155,894)	-1
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	(\$7,633,356)	(\$3,216,275)	(\$2,600,194)	-55
Food & Kindred Products	(\$3,405,984)	(\$727,598)	(\$378,979)	-10
Tobacco Manufactures	(\$103)	(\$17)	(\$13)	0
Textile Mill products	(\$123,767)	(\$26,642)	(\$25,209)	-1
Apparel & Other Textile Products	(\$371,371)	(\$177,311)	(\$99,005)	-3
Lumber & Wood Products	(\$234,428)	(\$84,957)	(\$56,894)	-2
Furniture & Fixtures	(\$1,852)	(\$569)	(\$507)	0
Paper & Allied Products	(\$342,907)	(\$117,560)	(\$68,487)	-1
Printing & Publishing	(\$471,727)	(\$254,344)	(\$152,976)	-3
Chemicals & Allied Products	(\$766,277)	(\$156,212)	(\$120,003)	-1
Petroleum Refining	(\$1,366,630)	(\$215,794)	(\$43,602)	0
Rubber & Plastic Products	(\$298,202)	(\$66,308)	(\$51,997)	-1
Leather & Leather Products	(\$1,190)	(\$508)	(\$322)	0
Stone, Clay & Glass Products	(\$271,693)	(\$120,326)	(\$72,893)	-1
Primary Metals	(\$1,331,848)	(\$347,593)	(\$300,957)	-5
Fabricated Metal Products	(\$615,776)	(\$247,905)	(\$166,370)	-4
Machinery, Except Electrical	(\$1,315,239)	(\$420,759)	(\$379,740)	-6
Electrical Machinery	(\$962,573)	(\$469,470)	(\$336,340)	-4
Motor Vehicles	(\$1,194,275)	(\$348,809)	(\$212,457)	-2
Other Transportation Equipment	(\$1,008,094)	(\$471,420)	(\$322,884)	-6
Instruments	(\$7,531)	(\$2,163)	(\$2,522)	0
Miscellaneous Manufacturing	(\$5,935)	(\$1,513)	(\$1,411)	0
Transportation & Warehousing	(\$3,527,725)	(\$1,816,538)	(\$1,303,073)	-25
Communication	(\$767,295)	(\$487,898)	(\$229,423)	-3
Electric Utilities	(\$666,330)	(\$127,791)	(\$61,404)	0
Gas Utilities	(\$440,139)	(\$56,373)	(\$27,719)	0
Trade	(\$17,074,367)	(\$12,016,662)	(\$7,351,308)	-243
Finance, Insurance, & Real Estate	(\$7,602,916)	(\$2,798,327)	(\$1,047,253)	-14
Other Services	(\$13,250,719)	(\$7,962,037)	(\$6,879,073)	-157
Government Enterprises	(\$277,060)	(\$169,001)	(\$135,001)	-3
Total	(\$68,478,838)	(\$33,782,679)	(\$22,846,171)	-570

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table L.8
The Total Offsetting Potential Impact of Foregone Efficiency Gains from
Alternative Highway Construction Projects Stemming from Use of TxDOT Funds
for TTC-35 Construction on Business Activity in the TTC-35 Study Area*:
Total Effects—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$7,136,817)	(\$2,242,913)	(\$1,190,416)	-89
Metal Mining	(\$1,026,595)	(\$422,065)	(\$361,531)	-7
Coal Mining	(\$2,183,006)	(\$403,802)	(\$593,083)	-10
Crude Petroleum & Natural Gas	(\$7,143,515)	(\$1,729,236)	(\$709,677)	-3
Nonmetallic Mineral Mining	(\$942,697)	(\$325,673)	(\$245,385)	-6
Construction	(\$34,378,858)	(\$14,485,355)	(\$11,710,668)	-250
Food & Kindred Products	(\$15,451,248)	(\$3,300,749)	(\$1,719,240)	-46
Tobacco Manufactures	(\$464)	(\$75)	(\$57)	0
Textile Mill products	(\$561,457)	(\$120,861)	(\$114,360)	-3
Apparel & Other Textile Products	(\$1,676,333)	(\$800,364)	(\$446,898)	-13
Lumber & Wood Products	(\$1,059,853)	(\$384,094)	(\$257,218)	-8
Furniture & Fixtures	(\$8,375)	(\$2,570)	(\$2,292)	0
Paper & Allied Products	(\$1,552,830)	(\$532,362)	(\$310,138)	-6
Printing & Publishing	(\$2,133,449)	(\$1,150,305)	(\$691,856)	-14
Chemicals & Allied Products	(\$3,474,690)	(\$708,346)	(\$544,154)	-4
Petroleum Refining	(\$6,207,112)	(\$980,115)	(\$198,035)	-1
Rubber & Plastic Products	(\$1,350,200)	(\$300,231)	(\$235,434)	-3
Leather & Leather Products	(\$5,360)	(\$2,290)	(\$1,449)	0
Stone, Clay & Glass Products	(\$1,225,062)	(\$542,550)	(\$328,675)	-6
Primary Metals	(\$6,045,982)	(\$1,577,915)	(\$1,366,206)	-22
Fabricated Metal Products	(\$2,786,243)	(\$1,121,712)	(\$752,785)	-17
Machinery, Except Electrical	(\$5,942,366)	(\$1,901,025)	(\$1,715,699)	-25
Electrical Machinery	(\$4,361,969)	(\$2,127,435)	(\$1,524,150)	-20
Motor Vehicles	(\$5,397,226)	(\$1,576,357)	(\$960,146)	-9
Other Transportation Equipment	(\$4,558,916)	(\$2,131,907)	(\$1,460,183)	-27
Instruments	(\$34,122)	(\$9,801)	(\$11,426)	0
Miscellaneous Manufacturing	(\$26,816)	(\$6,835)	(\$6,375)	0
Transportation & Warehousing	(\$15,834,988)	(\$8,153,940)	(\$5,849,135)	-111
Communication	(\$3,485,707)	(\$2,216,450)	(\$1,042,236)	-14
Electric Utilities	(\$3,875,352)	(\$743,226)	(\$357,121)	-2
Gas Utilities	(\$1,999,305)	(\$256,071)	(\$125,911)	-1
Trade	(\$77,296,991)	(\$54,400,364)	(\$33,279,943)	-1,098
Finance, Insurance, & Real Estate	(\$34,364,150)	(\$12,648,060)	(\$4,733,442)	-63
Other Services	(\$59,989,590)	(\$36,046,294)	(\$31,143,425)	-711
Government Enterprises	(\$1,253,487)	(\$764,602)	(\$610,780)	-13
Total	(\$314,771,130)	(\$154,115,953)	(\$104,599,529)	-2,602

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

APPENDIX M

**Potential Impact of Efficiency Gains Stemming
from TTC-35 on Texas**

Table M.1
The Gross Potential Impact of Efficiency Gains from Short-Term TTC-35
Construction Projects on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$142,204,064	\$44,690,985	\$23,719,536	1,773
Metal Mining	\$14,165,169	\$5,823,738	\$4,988,475	93
Coal Mining	\$30,121,549	\$5,571,745	\$8,183,471	137
Crude Petroleum & Natural Gas	\$150,183,591	\$36,355,045	\$14,920,076	60
Nonmetallic Mineral Mining	\$13,007,528	\$4,493,701	\$3,385,875	87
Construction	\$352,172,526	\$148,386,088	\$119,962,555	2,557
Food & Kindred Products	\$158,676,840	\$33,897,090	\$17,655,767	468
Tobacco Manufactures	\$4,756	\$773	\$583	0
Textile Mill products	\$5,765,859	\$1,241,179	\$1,174,419	32
Apparel & Other Textile Products	\$17,185,512	\$8,205,213	\$4,581,535	137
Lumber & Wood Products	\$11,374,718	\$4,122,239	\$2,760,557	83
Furniture & Fixtures	\$85,900	\$26,362	\$23,505	1
Paper & Allied Products	\$15,937,046	\$5,463,754	\$3,183,017	58
Printing & Publishing	\$21,886,414	\$11,800,633	\$7,097,542	142
Chemicals & Allied Products	\$55,939,693	\$11,403,802	\$8,760,443	71
Petroleum Refining	\$134,290,152	\$21,204,682	\$4,284,470	29
Rubber & Plastic Products	\$17,022,699	\$3,785,169	\$2,968,242	41
Leather & Leather Products	\$54,901	\$23,453	\$14,846	0
Stone, Clay & Glass Products	\$12,554,417	\$5,560,045	\$3,368,253	65
Primary Metals	\$62,103,606	\$16,208,158	\$14,033,510	224
Fabricated Metal Products	\$34,162,425	\$13,753,436	\$9,229,981	205
Machinery, Except Electrical	\$63,323,441	\$20,257,830	\$18,282,947	271
Electrical Machinery	\$44,778,570	\$21,839,566	\$15,646,430	205
Motor Vehicles	\$55,354,202	\$16,167,186	\$9,847,300	88
Other Transportation Equipment	\$46,767,382	\$21,870,050	\$14,979,209	281
Instruments	\$350,269	\$100,613	\$117,292	2
Miscellaneous Manufacturing	\$275,004	\$70,092	\$65,374	1
Transportation & Warehousing	\$162,022,943	\$83,430,782	\$59,848,108	1,140
Communication	\$35,813,728	\$22,772,812	\$10,708,407	146
Electric Utilities	\$62,467,575	\$11,980,206	\$5,756,505	26
Gas Utilities	\$30,674,461	\$3,928,791	\$1,931,790	9
Trade	\$793,234,974	\$558,265,868	\$341,524,484	11,266
Finance, Insurance, & Real Estate	\$352,456,882	\$129,725,186	\$48,548,680	643
Other Services	\$615,632,473	\$369,918,670	\$319,603,846	7,297
Government Enterprises	\$12,860,724	\$7,844,779	\$6,266,573	138
Total	\$3,524,911,994	\$1,650,189,721	\$1,107,423,603	27,776

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table M.2
The Gross Potential Impact of Efficiency Gains from Mid-Term TTC-35
Construction Projects on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$6,739,751	\$2,118,126	\$1,124,186	84
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$7,090,108	\$1,716,307	\$704,371	3
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	\$16,867,245	\$7,106,927	\$5,745,587	122
Food & Kindred Products	\$7,526,122	\$1,607,756	\$837,422	22
Tobacco Manufactures	\$227	\$37	\$28	0
Textile Mill products	\$273,484	\$58,871	\$55,705	2
Apparel & Other Textile Products	\$820,611	\$391,800	\$218,769	7
Lumber & Wood Products	\$541,994	\$196,420	\$131,538	4
Furniture & Fixtures	\$4,093	\$1,256	\$1,120	0
Paper & Allied Products	\$757,713	\$259,769	\$151,334	3
Printing & Publishing	\$1,042,364	\$562,018	\$338,028	7
Chemicals & Allied Products	\$2,654,812	\$541,207	\$415,757	3
Petroleum Refining	\$6,359,260	\$1,004,140	\$202,889	1
Rubber & Plastic Products	\$809,480	\$179,996	\$141,149	2
Leather & Leather Products	\$2,630	\$1,123	\$711	0
Stone, Clay & Glass Products	\$600,353	\$265,882	\$161,070	3
Primary Metals	\$2,942,954	\$768,069	\$665,017	11
Fabricated Metal Products	\$1,625,990	\$654,607	\$439,309	10
Machinery, Except Electrical	\$3,019,930	\$966,107	\$871,924	13
Electrical Machinery	\$2,126,975	\$1,037,376	\$743,203	10
Motor Vehicles	\$2,638,961	\$770,756	\$469,461	4
Other Transportation Equipment	\$2,227,562	\$1,041,685	\$713,470	13
Instruments	\$16,641	\$4,780	\$5,572	0
Miscellaneous Manufacturing	\$13,115	\$3,343	\$3,118	0
Transportation & Warehousing	\$7,795,129	\$4,013,961	\$2,879,368	55
Communication	\$1,695,472	\$1,078,097	\$506,951	7
Electric Utilities	\$2,148,642	\$412,073	\$198,001	1
Gas Utilities	\$1,452,350	\$186,017	\$91,465	0
Trade	\$37,728,821	\$26,552,930	\$16,244,009	536
Finance, Insurance, & Real Estate	\$16,799,981	\$6,183,397	\$2,314,090	31
Other Services	\$29,279,798	\$17,593,523	\$15,200,524	347
Government Enterprises	\$612,213	\$373,437	\$298,310	7
Total	\$164,214,776	\$77,651,792	\$51,873,454	1,307

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table M.3
The Gross Potential Impact of Efficiency Gains from Long-Term TTC-35
Construction Projects on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$42,085,998	\$13,226,519	\$7,019,914	525
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$44,273,787	\$10,717,386	\$4,398,405	18
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	\$105,326,572	\$44,378,811	\$35,877,997	765
Food & Kindred Products	\$46,996,451	\$10,039,543	\$5,229,234	139
Tobacco Manufactures	\$1,416	\$230	\$174	0
Textile Mill products	\$1,707,756	\$367,617	\$347,844	10
Apparel & Other Textile Products	\$5,124,258	\$2,446,574	\$1,366,091	41
Lumber & Wood Products	\$3,384,450	\$1,226,537	\$821,380	25
Furniture & Fixtures	\$25,561	\$7,844	\$6,994	0
Paper & Allied Products	\$4,731,494	\$1,622,115	\$944,995	17
Printing & Publishing	\$6,508,984	\$3,509,489	\$2,110,797	42
Chemicals & Allied Products	\$16,577,825	\$3,379,537	\$2,596,172	21
Petroleum Refining	\$39,710,044	\$6,270,295	\$1,266,932	9
Rubber & Plastic Products	\$5,054,751	\$1,123,975	\$881,395	12
Leather & Leather Products	\$16,423	\$7,015	\$4,441	0
Stone, Clay & Glass Products	\$3,748,873	\$1,660,285	\$1,005,794	19
Primary Metals	\$18,377,110	\$4,796,164	\$4,152,663	66
Fabricated Metal Products	\$10,153,406	\$4,087,655	\$2,743,240	61
Machinery, Except Electrical	\$18,857,782	\$6,032,801	\$5,444,679	81
Electrical Machinery	\$13,281,775	\$6,477,835	\$4,640,889	61
Motor Vehicles	\$16,478,844	\$4,812,942	\$2,931,523	26
Other Transportation Equipment	\$13,909,888	\$6,504,746	\$4,455,223	84
Instruments	\$103,911	\$29,848	\$34,796	1
Miscellaneous Manufacturing	\$81,894	\$20,873	\$19,468	0
Transportation & Warehousing	\$48,676,249	\$25,064,953	\$17,980,055	342
Communication	\$10,587,283	\$6,732,117	\$3,165,628	43
Electric Utilities	\$13,417,075	\$2,573,164	\$1,236,409	6
Gas Utilities	\$9,069,117	\$1,161,574	\$571,147	3
Trade	\$235,595,525	\$165,808,297	\$101,434,811	3,346
Finance, Insurance, & Real Estate	\$104,906,548	\$38,611,876	\$14,450,206	191
Other Services	\$182,836,071	\$109,861,775	\$94,918,826	2,167
Government Enterprises	\$3,822,929	\$2,331,908	\$1,862,777	41
Total	\$1,025,430,047	\$484,892,301	\$323,920,899	8,160

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table M.4
The Total Gross Potential Impact of Efficiency Gains Associated with TTC-35
Construction Projects on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$191,029,812	\$60,035,629	\$31,863,636	2,382
Metal Mining	\$14,165,169	\$5,823,738	\$4,988,475	93
Coal Mining	\$30,121,549	\$5,571,745	\$8,183,471	137
Crude Petroleum & Natural Gas	\$201,547,486	\$48,788,739	\$20,022,852	80
Nonmetallic Mineral Mining	\$13,007,528	\$4,493,701	\$3,385,875	87
Construction	\$474,366,343	\$199,871,826	\$161,586,138	3,444
Food & Kindred Products	\$213,199,413	\$45,544,389	\$23,722,424	629
Tobacco Manufactures	\$6,400	\$1,039	\$784	0
Textile Mill products	\$7,747,099	\$1,667,667	\$1,577,968	43
Apparel & Other Textile Products	\$23,130,381	\$11,043,588	\$6,166,395	184
Lumber & Wood Products	\$15,301,162	\$5,545,196	\$3,713,475	112
Furniture & Fixtures	\$115,554	\$35,463	\$31,619	1
Paper & Allied Products	\$21,426,253	\$7,345,638	\$4,279,346	78
Printing & Publishing	\$29,437,762	\$15,872,140	\$9,546,368	191
Chemicals & Allied Products	\$75,172,330	\$15,324,546	\$11,772,372	95
Petroleum Refining	\$180,359,455	\$28,479,117	\$5,754,291	40
Rubber & Plastic Products	\$22,886,930	\$5,089,140	\$3,990,785	54
Leather & Leather Products	\$73,954	\$31,591	\$19,997	0
Stone, Clay & Glass Products	\$16,903,644	\$7,486,212	\$4,535,117	87
Primary Metals	\$83,423,669	\$21,772,391	\$18,851,190	300
Fabricated Metal Products	\$45,941,821	\$18,495,697	\$12,412,531	276
Machinery, Except Electrical	\$85,201,153	\$27,256,738	\$24,599,550	365
Electrical Machinery	\$60,187,319	\$29,354,777	\$21,030,522	276
Motor Vehicles	\$74,472,007	\$21,750,884	\$13,248,284	118
Other Transportation Equipment	\$62,904,832	\$29,416,482	\$20,147,903	378
Instruments	\$470,821	\$135,241	\$157,660	3
Miscellaneous Manufacturing	\$370,012	\$94,307	\$87,960	1
Transportation & Warehousing	\$218,494,321	\$112,509,696	\$80,707,531	1,537
Communication	\$48,096,484	\$30,583,026	\$14,380,986	196
Electric Utilities	\$78,033,292	\$14,965,443	\$7,190,915	33
Gas Utilities	\$41,195,927	\$5,276,383	\$2,594,402	12
Trade	\$1,066,559,320	\$750,627,095	\$459,203,304	15,149
Finance, Insurance, & Real Estate	\$474,163,411	\$174,520,459	\$65,312,975	865
Other Services	\$827,748,342	\$497,373,968	\$429,723,195	9,812
Government Enterprises	\$17,295,866	\$10,550,125	\$8,427,660	185
Total	\$4,714,556,818	\$2,212,733,815	\$1,483,217,956	37,243

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table M.5
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for TTC-35 Construction on Business Activity in Texas: Short-Term Effects—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$10,305,987)	(\$3,238,900)	(\$1,719,031)	-129
Metal Mining	(\$1,026,595)	(\$422,065)	(\$361,531)	-7
Coal Mining	(\$2,183,006)	(\$403,802)	(\$593,083)	-10
Crude Petroleum & Natural Gas	(\$10,884,289)	(\$2,634,767)	(\$1,081,306)	-4
Nonmetallic Mineral Mining	(\$942,697)	(\$325,673)	(\$245,385)	-6
Construction	(\$25,523,078)	(\$10,754,018)	(\$8,694,073)	-185
Food & Kindred Products	(\$11,499,822)	(\$2,456,631)	(\$1,279,570)	-34
Tobacco Manufactures	(\$345)	(\$56)	(\$42)	0
Textile Mill products	(\$417,870)	(\$89,952)	(\$85,114)	-2
Apparel & Other Textile Products	(\$1,245,489)	(\$594,658)	(\$332,039)	-10
Lumber & Wood Products	(\$824,363)	(\$298,752)	(\$200,066)	-6
Furniture & Fixtures	(\$6,225)	(\$1,911)	(\$1,703)	0
Paper & Allied Products	(\$1,155,009)	(\$395,976)	(\$230,684)	-4
Printing & Publishing	(\$1,586,179)	(\$855,230)	(\$514,382)	-10
Chemicals & Allied Products	(\$4,054,130)	(\$826,470)	(\$634,898)	-5
Petroleum Refining	(\$9,732,440)	(\$1,536,772)	(\$310,509)	-2
Rubber & Plastic Products	(\$1,233,690)	(\$274,323)	(\$215,118)	-3
Leather & Leather Products	(\$3,979)	(\$1,700)	(\$1,076)	0
Stone, Clay & Glass Products	(\$909,859)	(\$402,954)	(\$244,108)	-5
Primary Metals	(\$4,500,848)	(\$1,174,657)	(\$1,017,054)	-16
Fabricated Metal Products	(\$2,475,861)	(\$996,756)	(\$668,926)	-15
Machinery, Except Electrical	(\$4,589,254)	(\$1,468,150)	(\$1,325,024)	-20
Electrical Machinery	(\$3,245,247)	(\$1,582,784)	(\$1,133,947)	-15
Motor Vehicles	(\$4,011,697)	(\$1,171,688)	(\$713,666)	-6
Other Transportation Equipment	(\$3,389,383)	(\$1,584,993)	(\$1,085,592)	-20
Instruments	(\$25,385)	(\$7,292)	(\$8,501)	0
Miscellaneous Manufacturing	(\$19,930)	(\$5,080)	(\$4,738)	0
Transportation & Warehousing	(\$11,742,325)	(\$6,046,498)	(\$4,337,385)	-83
Communication	(\$2,595,536)	(\$1,650,419)	(\$776,073)	-11
Electric Utilities	(\$4,527,226)	(\$868,244)	(\$417,192)	-2
Gas Utilities	(\$2,223,077)	(\$284,732)	(\$140,003)	-1
Trade	(\$57,488,295)	(\$40,459,326)	(\$24,751,380)	-817
Finance, Insurance, & Real Estate	(\$25,543,686)	(\$9,401,602)	(\$3,518,479)	-47
Other Services	(\$44,616,869)	(\$26,809,198)	(\$23,162,721)	-529
Government Enterprises	(\$932,058)	(\$568,536)	(\$454,159)	-10
Total	(\$255,461,731)	(\$119,594,567)	(\$80,258,557)	-2,013

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table M.6
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for TTC-35 Construction on Business Activity in Texas: Mid-Term Effects—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$488,451)	(\$153,507)	(\$81,473)	-6
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	(\$513,843)	(\$124,386)	(\$51,048)	0
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	(\$1,222,424)	(\$515,062)	(\$416,401)	-9
Food & Kindred Products	(\$545,442)	(\$116,519)	(\$60,691)	-2
Tobacco Manufactures	(\$16)	(\$3)	(\$2)	0
Textile Mill products	(\$19,820)	(\$4,267)	(\$4,037)	0
Apparel & Other Textile Products	(\$59,472)	(\$28,395)	(\$15,855)	0
Lumber & Wood Products	(\$39,280)	(\$14,235)	(\$9,533)	0
Furniture & Fixtures	(\$297)	(\$91)	(\$81)	0
Paper & Allied Products	(\$54,914)	(\$18,826)	(\$10,968)	0
Printing & Publishing	(\$75,543)	(\$40,731)	(\$24,498)	0
Chemicals & Allied Products	(\$192,403)	(\$39,223)	(\$30,131)	0
Petroleum Refining	(\$460,876)	(\$72,773)	(\$14,704)	0
Rubber & Plastic Products	(\$58,666)	(\$13,045)	(\$10,229)	0
Leather & Leather Products	(\$191)	(\$81)	(\$52)	0
Stone, Clay & Glass Products	(\$43,510)	(\$19,269)	(\$11,673)	0
Primary Metals	(\$213,285)	(\$55,664)	(\$48,196)	-1
Fabricated Metal Products	(\$117,841)	(\$47,441)	(\$31,838)	-1
Machinery, Except Electrical	(\$218,864)	(\$70,017)	(\$63,191)	-1
Electrical Machinery	(\$154,149)	(\$75,182)	(\$53,862)	-1
Motor Vehicles	(\$191,254)	(\$55,859)	(\$34,023)	0
Other Transportation Equipment	(\$161,439)	(\$75,494)	(\$51,707)	-1
Instruments	(\$1,206)	(\$346)	(\$404)	0
Miscellaneous Manufacturing	(\$950)	(\$242)	(\$226)	0
Transportation & Warehousing	(\$564,938)	(\$290,905)	(\$208,677)	-4
Communication	(\$122,876)	(\$78,133)	(\$36,740)	0
Electric Utilities	(\$155,719)	(\$29,864)	(\$14,350)	0
Gas Utilities	(\$105,256)	(\$13,481)	(\$6,629)	0
Trade	(\$2,734,329)	(\$1,924,376)	(\$1,177,256)	-39
Finance, Insurance, & Real Estate	(\$1,217,549)	(\$448,131)	(\$167,710)	-2
Other Services	(\$2,122,001)	(\$1,275,059)	(\$1,101,631)	-25
Government Enterprises	(\$44,369)	(\$27,064)	(\$21,619)	0
Total	(\$11,901,174)	(\$5,627,676)	(\$3,759,436)	-95

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table M.7
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for TTC-35 Construction on Business Activity in Texas: Long-Term Effects—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$3,050,108)	(\$958,568)	(\$508,756)	-38
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	(\$3,208,664)	(\$776,723)	(\$318,767)	-1
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	(\$7,633,356)	(\$3,216,275)	(\$2,600,194)	-55
Food & Kindred Products	(\$3,405,984)	(\$727,598)	(\$378,979)	-10
Tobacco Manufactures	(\$103)	(\$17)	(\$13)	0
Textile Mill products	(\$123,767)	(\$26,642)	(\$25,209)	-1
Apparel & Other Textile Products	(\$371,371)	(\$177,311)	(\$99,005)	-3
Lumber & Wood Products	(\$245,282)	(\$88,891)	(\$59,528)	-2
Furniture & Fixtures	(\$1,852)	(\$569)	(\$507)	0
Paper & Allied Products	(\$342,907)	(\$117,560)	(\$68,487)	-1
Printing & Publishing	(\$471,727)	(\$254,344)	(\$152,976)	-3
Chemicals & Allied Products	(\$1,201,448)	(\$244,926)	(\$188,153)	-2
Petroleum Refining	(\$2,877,915)	(\$454,428)	(\$91,819)	-1
Rubber & Plastic Products	(\$366,334)	(\$81,458)	(\$63,878)	-1
Leather & Leather Products	(\$1,190)	(\$508)	(\$322)	0
Stone, Clay & Glass Products	(\$271,693)	(\$120,326)	(\$72,893)	-1
Primary Metals	(\$1,331,848)	(\$347,593)	(\$300,957)	-5
Fabricated Metal Products	(\$735,850)	(\$296,246)	(\$198,811)	-4
Machinery, Except Electrical	(\$1,366,684)	(\$437,217)	(\$394,593)	-6
Electrical Machinery	(\$962,573)	(\$469,470)	(\$336,340)	-4
Motor Vehicles	(\$1,194,275)	(\$348,809)	(\$212,457)	-2
Other Transportation Equipment	(\$1,008,094)	(\$471,420)	(\$322,884)	-6
Instruments	(\$7,531)	(\$2,163)	(\$2,522)	0
Miscellaneous Manufacturing	(\$5,935)	(\$1,513)	(\$1,411)	0
Transportation & Warehousing	(\$3,527,725)	(\$1,816,538)	(\$1,303,073)	-25
Communication	(\$767,295)	(\$487,898)	(\$229,423)	-3
Electric Utilities	(\$972,379)	(\$186,486)	(\$89,607)	0
Gas Utilities	(\$657,268)	(\$84,183)	(\$41,393)	0
Trade	(\$17,074,367)	(\$12,016,662)	(\$7,351,308)	-243
Finance, Insurance, & Real Estate	(\$7,602,916)	(\$2,798,327)	(\$1,047,253)	-14
Other Services	(\$13,250,719)	(\$7,962,037)	(\$6,879,073)	-157
Government Enterprises	(\$277,060)	(\$169,001)	(\$135,001)	-3
Total	(\$74,316,220)	(\$35,141,708)	(\$23,475,591)	-591

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table M.8
The Total Offsetting Potential Impact of Foregone Efficiency Gains from
Alternative Highway Construction Projects Stemming from Use of TxDOT Funds
for TTC-35 Construction on Business Activity in Texas:
Total Effects—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$13,844,546)	(\$4,350,975)	(\$2,309,260)	-173
Metal Mining	(\$1,026,595)	(\$422,065)	(\$361,531)	-7
Coal Mining	(\$2,183,006)	(\$403,802)	(\$593,083)	-10
Crude Petroleum & Natural Gas	(\$14,606,796)	(\$3,535,877)	(\$1,451,121)	-6
Nonmetallic Mineral Mining	(\$942,697)	(\$325,673)	(\$245,385)	-6
Construction	(\$34,378,858)	(\$14,485,355)	(\$11,710,668)	-250
Food & Kindred Products	(\$15,451,248)	(\$3,300,749)	(\$1,719,240)	-46
Tobacco Manufactures	(\$464)	(\$75)	(\$57)	0
Textile Mill products	(\$561,457)	(\$120,861)	(\$114,360)	-3
Apparel & Other Textile Products	(\$1,676,333)	(\$800,364)	(\$446,898)	-13
Lumber & Wood Products	(\$1,108,925)	(\$401,878)	(\$269,128)	-8
Furniture & Fixtures	(\$8,375)	(\$2,570)	(\$2,292)	0
Paper & Allied Products	(\$1,552,830)	(\$532,362)	(\$310,138)	-6
Printing & Publishing	(\$2,133,449)	(\$1,150,305)	(\$691,856)	-14
Chemicals & Allied Products	(\$5,447,981)	(\$1,110,619)	(\$853,182)	-7
Petroleum Refining	(\$13,071,231)	(\$2,063,973)	(\$417,032)	-3
Rubber & Plastic Products	(\$1,658,690)	(\$368,826)	(\$289,225)	-4
Leather & Leather Products	(\$5,360)	(\$2,290)	(\$1,449)	0
Stone, Clay & Glass Products	(\$1,225,062)	(\$542,550)	(\$328,675)	-6
Primary Metals	(\$6,045,982)	(\$1,577,915)	(\$1,366,206)	-22
Fabricated Metal Products	(\$3,329,552)	(\$1,340,443)	(\$899,576)	-20
Machinery, Except Electrical	(\$6,174,802)	(\$1,975,384)	(\$1,782,809)	-26
Electrical Machinery	(\$4,361,969)	(\$2,127,435)	(\$1,524,150)	-20
Motor Vehicles	(\$5,397,226)	(\$1,576,357)	(\$960,146)	-9
Other Transportation Equipment	(\$4,558,916)	(\$2,131,907)	(\$1,460,183)	-27
Instruments	(\$34,122)	(\$9,801)	(\$11,426)	0
Miscellaneous Manufacturing	(\$26,816)	(\$6,835)	(\$6,375)	0
Transportation & Warehousing	(\$15,834,988)	(\$8,153,940)	(\$5,849,135)	-111
Communication	(\$3,485,707)	(\$2,216,450)	(\$1,042,236)	-14
Electric Utilities	(\$5,655,324)	(\$1,084,594)	(\$521,149)	-2
Gas Utilities	(\$2,985,602)	(\$382,396)	(\$188,025)	-1
Trade	(\$77,296,991)	(\$54,400,364)	(\$33,279,943)	-1,098
Finance, Insurance, & Real Estate	(\$34,364,150)	(\$12,648,060)	(\$4,733,442)	-63
Other Services	(\$59,989,590)	(\$36,046,294)	(\$31,143,425)	-711
Government Enterprises	(\$1,253,487)	(\$764,602)	(\$610,780)	-13
Total	(\$341,679,125)	(\$160,363,950)	(\$107,493,585)	-2,699

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

APPENDIX N

**Potential Impact of Efficiency Gains Stemming
from TTC-69 on the TTC-69 Study Area**

Table N.1
The Gross Potential Impact of Efficiency Gains from TTC-69
Construction on Business Activity in the TTC-69 Study Area*
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person- Years)
Agriculture, Forestry & Fisheries	\$190,740,847	\$59,944,815	\$31,815,437	2,379
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$342,561,519	\$82,924,102	\$34,031,973	137
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	\$756,549,299	\$318,768,167	\$257,707,742	5,493
Food & Kindred Products	\$199,654,110	\$42,650,795	\$22,215,255	589
Tobacco Manufactures	\$10,960	\$1,780	\$1,343	0
Textile Mill products	\$2,267,034	\$488,010	\$461,761	13
Apparel & Other Textile Products	\$16,246,353	\$7,756,812	\$4,331,162	129
Lumber & Wood Products	\$24,074,691	\$8,724,755	\$5,842,744	177
Furniture & Fixtures	\$94,369	\$28,961	\$25,822	1
Paper & Allied Products	\$20,035,470	\$6,868,831	\$4,001,573	73
Printing & Publishing	\$24,383,914	\$13,147,225	\$7,907,456	158
Chemicals & Allied Products	\$128,268,333	\$26,148,637	\$20,087,479	162
Petroleum Refining	\$307,250,270	\$48,515,429	\$9,802,689	67
Rubber & Plastic Products	\$35,564,850	\$7,908,204	\$6,201,430	85
Leather & Leather Products	\$13,391	\$5,720	\$3,621	0
Stone, Clay & Glass Products	\$17,556,007	\$7,775,128	\$4,710,141	91
Primary Metals	\$81,920,651	\$21,380,125	\$18,511,554	295
Fabricated Metal Products	\$78,560,394	\$31,627,594	\$21,225,395	472
Machinery, Except Electrical	\$131,978,131	\$42,221,182	\$38,105,148	565
Electrical Machinery	\$50,709,551	\$24,732,246	\$17,718,821	232
Motor Vehicles	\$47,202,434	\$13,786,317	\$8,397,132	75
Other Transportation Equipment	\$38,643,422	\$18,071,005	\$12,377,172	232
Instruments	\$430,601	\$123,688	\$144,192	3
Miscellaneous Manufacturing	\$542,456	\$138,259	\$128,954	2
Transportation & Warehousing	\$376,624,885	\$193,936,168	\$139,117,871	2,649
Communication	\$39,485,745	\$25,107,731	\$11,806,350	161
Electric Utilities	\$103,812,526	\$19,909,457	\$9,566,520	43
Gas Utilities	\$70,170,875	\$8,987,500	\$4,419,162	20
Trade	\$1,416,623,635	\$996,996,664	\$609,922,245	20,121
Finance, Insurance, & Real Estate	\$607,324,760	\$223,531,789	\$83,655,099	1,108
Other Services	\$1,236,296,278	\$742,860,546	\$641,819,693	14,654
Government Enterprises	\$23,686,444	\$14,448,247	\$11,541,561	253
Total	\$6,369,284,209	\$3,009,515,889	\$2,037,604,496	50,437

*The TTC-69 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table N.2
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for TTC-69 Construction on Business Activity in the TTC-69 Study Area*
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$13,823,604)	(\$4,344,394)	(\$2,305,767)	-172
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	(\$24,826,537)	(\$6,009,777)	(\$2,466,407)	-10
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	(\$54,829,566)	(\$23,102,156)	(\$18,676,911)	-398
Food & Kindred Products	(\$14,469,577)	(\$3,091,041)	(\$1,610,011)	-43
Tobacco Manufactures	(\$794)	(\$129)	(\$97)	0
Textile Mill products	(\$164,299)	(\$35,368)	(\$33,465)	-1
Apparel & Other Textile Products	(\$1,177,426)	(\$562,161)	(\$313,893)	-9
Lumber & Wood Products	(\$1,744,770)	(\$632,311)	(\$423,442)	-13
Furniture & Fixtures	(\$6,839)	(\$2,099)	(\$1,871)	0
Paper & Allied Products	(\$1,452,035)	(\$497,806)	(\$290,007)	-5
Printing & Publishing	(\$1,767,181)	(\$952,822)	(\$573,079)	-11
Chemicals & Allied Products	(\$9,296,019)	(\$1,895,076)	(\$1,455,804)	-12
Petroleum Refining	(\$22,267,417)	(\$3,516,069)	(\$710,432)	-5
Rubber & Plastic Products	(\$2,577,499)	(\$573,133)	(\$449,438)	-6
Leather & Leather Products	(\$970)	(\$415)	(\$262)	0
Stone, Clay & Glass Products	(\$1,272,340)	(\$563,489)	(\$341,359)	-7
Primary Metals	(\$5,937,054)	(\$1,549,487)	(\$1,341,592)	-21
Fabricated Metal Products	(\$5,693,525)	(\$2,292,154)	(\$1,538,273)	-34
Machinery, Except Electrical	(\$9,564,880)	(\$3,059,905)	(\$2,761,603)	-41
Electrical Machinery	(\$3,675,085)	(\$1,792,426)	(\$1,284,140)	-17
Motor Vehicles	(\$3,420,913)	(\$999,139)	(\$608,567)	-5
Other Transportation Equipment	(\$2,800,613)	(\$1,309,664)	(\$897,014)	-17
Instruments	(\$31,207)	(\$8,964)	(\$10,450)	0
Miscellaneous Manufacturing	(\$39,314)	(\$10,020)	(\$9,346)	0
Transportation & Warehousing	(\$27,295,219)	(\$14,055,179)	(\$10,082,320)	-192
Communication	(\$2,861,659)	(\$1,819,638)	(\$855,644)	-12
Electric Utilities	(\$7,523,628)	(\$1,442,902)	(\$693,317)	-3
Gas Utilities	(\$5,085,509)	(\$651,353)	(\$320,271)	-1
Trade	(\$102,667,280)	(\$72,255,561)	(\$44,203,031)	-1,458
Finance, Insurance, & Real Estate	(\$44,014,782)	(\$16,200,069)	(\$6,062,755)	-80
Other Services	(\$89,598,375)	(\$53,837,498)	(\$46,514,741)	-1,062
Government Enterprises	(\$1,716,633)	(\$1,047,111)	(\$836,454)	-18
Total	(\$461,602,552)	(\$218,109,315)	(\$147,671,764)	-3,655

*The TTC-69 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

APPENDIX O

**Potential Impact of Efficiency Gains Stemming
from TTC-69 on Texas**

Table O.1
The Gross Potential Impact of Efficiency Gains from TTC-69
Construction on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$325,633,844	\$102,338,124	\$54,315,493	4,061
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$342,561,519	\$82,924,102	\$34,031,973	137
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	\$814,947,925	\$343,374,129	\$277,600,402	5,917
Food & Kindred Products	\$363,627,707	\$77,679,397	\$40,460,386	1,072
Tobacco Manufactures	\$10,960	\$1,780	\$1,343	0
Textile Mill products	\$13,213,494	\$2,844,382	\$2,691,390	74
Apparel & Other Textile Products	\$39,648,146	\$18,929,986	\$10,569,913	316
Lumber & Wood Products	\$26,186,653	\$9,490,137	\$6,355,301	192
Furniture & Fixtures	\$197,770	\$60,694	\$54,117	2
Paper & Allied Products	\$36,609,196	\$12,550,859	\$7,311,750	134
Printing & Publishing	\$50,362,245	\$27,154,122	\$16,331,965	327
Chemicals & Allied Products	\$128,268,333	\$26,148,637	\$20,087,479	162
Petroleum Refining	\$307,250,270	\$48,515,429	\$9,802,689	67
Rubber & Plastic Products	\$39,110,344	\$8,696,581	\$6,819,656	93
Leather & Leather Products	\$127,067	\$54,280	\$34,360	1
Stone, Clay & Glass Products	\$29,006,323	\$12,846,193	\$7,782,172	150
Primary Metals	\$142,190,021	\$37,109,574	\$32,130,583	512
Fabricated Metal Products	\$78,560,394	\$31,627,594	\$21,225,395	472
Machinery, Except Electrical	\$145,909,149	\$46,677,860	\$42,127,357	625
Electrical Machinery	\$102,765,659	\$50,121,240	\$35,908,152	471
Motor Vehicles	\$127,502,489	\$37,239,386	\$22,682,203	202
Other Transportation Equipment	\$107,625,588	\$50,329,458	\$34,471,595	646
Instruments	\$803,998	\$230,944	\$269,228	5
Miscellaneous Manufacturing	\$633,639	\$161,499	\$150,630	2
Transportation & Warehousing	\$376,624,885	\$193,936,168	\$139,117,871	2,649
Communication	\$81,917,453	\$52,088,706	\$24,493,552	333
Electric Utilities	\$103,812,526	\$19,909,457	\$9,566,520	43
Gas Utilities	\$70,170,875	\$8,987,500	\$4,419,162	20
Trade	\$1,822,883,624	\$1,282,915,834	\$784,836,031	25,891
Finance, Insurance, & Real Estate	\$811,698,054	\$298,753,369	\$111,806,212	1,481
Other Services	\$1,414,665,578	\$850,038,346	\$734,419,607	16,769
Government Enterprises	\$29,579,315	\$18,042,778	\$14,412,948	316
Total	\$7,934,105,044	\$3,751,778,547	\$2,506,287,434	63,140

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table O.2
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for TTC-69 Construction on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$23,599,734)	(\$7,416,774)	(\$3,936,419)	-294
Metal Mining	\$0	\$0	\$0	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	(\$24,826,537)	(\$6,009,777)	(\$2,466,407)	-10
Nonmetallic Mineral Mining	\$0	\$0	\$0	0
Construction	(\$59,061,902)	(\$24,885,430)	(\$20,118,596)	-429
Food & Kindred Products	(\$26,353,272)	(\$5,629,676)	(\$2,932,295)	-78
Tobacco Manufactures	(\$794)	(\$129)	(\$97)	0
Textile Mill products	(\$957,625)	(\$206,142)	(\$195,054)	-5
Apparel & Other Textile Products	(\$2,873,429)	(\$1,371,917)	(\$766,036)	-23
Lumber & Wood Products	(\$1,897,831)	(\$687,781)	(\$460,589)	-14
Furniture & Fixtures	(\$14,333)	(\$4,399)	(\$3,922)	0
Paper & Allied Products	(\$2,653,186)	(\$909,601)	(\$529,906)	-10
Printing & Publishing	(\$3,649,914)	(\$1,967,947)	(\$1,183,630)	-24
Chemicals & Allied Products	(\$9,296,019)	(\$1,895,076)	(\$1,455,804)	-12
Petroleum Refining	(\$22,267,417)	(\$3,516,069)	(\$710,432)	-5
Rubber & Plastic Products	(\$2,834,453)	(\$630,269)	(\$494,242)	-7
Leather & Leather Products	(\$9,209)	(\$3,934)	(\$2,490)	0
Stone, Clay & Glass Products	(\$2,102,182)	(\$931,005)	(\$563,999)	-11
Primary Metals	(\$10,304,969)	(\$2,689,450)	(\$2,328,607)	-37
Fabricated Metal Products	(\$5,693,525)	(\$2,292,154)	(\$1,538,273)	-34
Machinery, Except Electrical	(\$10,574,506)	(\$3,382,895)	(\$3,053,105)	-45
Electrical Machinery	(\$7,447,758)	(\$3,632,448)	(\$2,602,379)	-34
Motor Vehicles	(\$9,240,516)	(\$2,698,858)	(\$1,643,852)	-15
Other Transportation Equipment	(\$7,799,973)	(\$3,647,538)	(\$2,498,268)	-47
Instruments	(\$58,268)	(\$16,737)	(\$19,512)	0
Miscellaneous Manufacturing	(\$45,922)	(\$11,704)	(\$10,917)	0
Transportation & Warehousing	(\$27,295,219)	(\$14,055,179)	(\$10,082,320)	-192
Communication	(\$5,936,822)	(\$3,775,036)	(\$1,775,127)	-24
Electric Utilities	(\$7,523,628)	(\$1,442,902)	(\$693,317)	-3
Gas Utilities	(\$5,085,509)	(\$651,353)	(\$320,271)	-1
Trade	(\$132,110,250)	(\$92,977,045)	(\$56,879,596)	-1,876
Finance, Insurance, & Real Estate	(\$58,826,374)	(\$21,651,619)	(\$8,102,957)	-107
Other Services	(\$102,525,373)	(\$61,605,018)	(\$53,225,756)	-1,215
Government Enterprises	(\$2,143,708)	(\$1,307,618)	(\$1,044,553)	-23
Total	(\$575,010,160)	(\$271,903,481)	(\$181,638,727)	-4,576

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

APPENDIX P

**Potential Impact of Efficiency Gains from other
TTC-35 Construction, the Total TTC-35
Conceptual Plan, Other TTC-69 Construction, and
the Total TTC-69 Conceptual Plan on the Relevant
Study Areas**

Table P.1
The Gross Potential Impact of Efficiency Gains from Construction of Other
Conceptual Aspects of TTC-35 on Business Activity in the TTC-35 Study Area*
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$86,558,191	\$27,202,955	\$14,437,845	1,079
Metal Mining	\$93,151,740	\$38,297,555	\$32,804,772	612
Coal Mining	\$198,082,695	\$36,640,424	\$53,815,426	903
Crude Petroleum & Natural Gas	\$88,275,555	\$21,368,924	\$8,769,786	35
Nonmetallic Mineral Mining	\$85,538,968	\$29,551,081	\$22,265,893	573
Construction	\$395,797,863	\$166,767,400	\$134,822,904	2,874
Food & Kindred Products	\$186,720,356	\$39,887,842	\$20,776,133	551
Tobacco Manufactures	\$5,457	\$886	\$669	0
Textile Mill products	\$6,784,143	\$1,460,378	\$1,381,828	38
Apparel & Other Textile Products	\$19,597,427	\$9,356,781	\$5,224,535	156
Lumber & Wood Products	\$12,522,317	\$4,538,133	\$3,039,071	92
Furniture & Fixtures	\$98,914	\$30,356	\$27,066	1
Paper & Allied Products	\$18,547,558	\$6,358,725	\$3,704,400	68
Printing & Publishing	\$25,267,217	\$13,623,481	\$8,193,902	164
Chemicals & Allied Products	\$41,869,943	\$8,535,559	\$6,557,048	53
Petroleum Refining	\$75,591,265	\$11,936,011	\$2,411,707	17
Rubber & Plastic Products	\$16,112,544	\$3,582,787	\$2,809,538	38
Leather & Leather Products	\$61,648	\$26,335	\$16,670	0
Stone, Clay & Glass Products	\$14,216,412	\$6,296,102	\$3,814,153	74
Primary Metals	\$73,381,243	\$19,151,461	\$16,581,910	264
Fabricated Metal Products	\$33,102,147	\$13,326,579	\$8,943,516	199
Machinery, Except Electrical	\$69,905,877	\$22,363,620	\$20,183,449	299
Electrical Machinery	\$52,339,027	\$25,526,980	\$18,288,188	240
Motor Vehicles	\$63,602,231	\$18,576,171	\$11,314,592	101
Other Transportation Equipment	\$53,967,024	\$25,236,852	\$17,285,196	324
Instruments	\$409,081	\$117,506	\$136,986	2
Miscellaneous Manufacturing	\$315,519	\$80,418	\$75,006	1
Transportation & Warehousing	\$178,101,583	\$91,710,186	\$65,787,243	1,253
Communication	\$42,506,431	\$27,028,489	\$12,709,544	173
Electric Utilities	\$113,887,941	\$21,841,748	\$10,494,988	48
Gas Utilities	\$24,366,225	\$3,120,831	\$1,534,516	7
Trade	\$921,440,377	\$648,494,745	\$396,722,862	13,087
Finance, Insurance, & Real Estate	\$405,324,958	\$149,183,796	\$55,830,919	740
Other Services	\$715,323,654	\$429,820,691	\$371,358,238	8,479
Government Enterprises	\$14,880,675	\$9,076,907	\$7,250,823	159
Total	\$4,127,654,207	\$1,930,118,697	\$1,339,371,322	32,703

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table P.2
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for Other Conceptual TTC-35 Construction Projects on Business Activity in the TTC-35 Study Area*—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$6,273,151)	(\$1,971,486)	(\$1,046,357)	-78
Metal Mining	(\$6,751,007)	(\$2,775,547)	(\$2,377,468)	-44
Coal Mining	(\$14,355,691)	(\$2,655,450)	(\$3,900,177)	-65
Crude Petroleum & Natural Gas	(\$6,397,614)	(\$1,548,675)	(\$635,575)	-3
Nonmetallic Mineral Mining	(\$6,199,285)	(\$2,141,662)	(\$1,613,681)	-42
Construction	(\$28,684,747)	(\$12,086,171)	(\$9,771,050)	-208
Food & Kindred Products	(\$13,532,226)	(\$2,890,800)	(\$1,505,713)	-40
Tobacco Manufactures	(\$395)	(\$64)	(\$48)	0
Textile Mill products	(\$491,669)	(\$105,838)	(\$100,146)	-3
Apparel & Other Textile Products	(\$1,420,289)	(\$678,116)	(\$378,639)	-11
Lumber & Wood Products	(\$907,533)	(\$328,893)	(\$220,251)	-7
Furniture & Fixtures	(\$7,169)	(\$2,200)	(\$1,962)	0
Paper & Allied Products	(\$1,344,201)	(\$460,837)	(\$268,470)	-5
Printing & Publishing	(\$1,831,197)	(\$987,338)	(\$593,838)	-12
Chemicals & Allied Products	(\$3,034,450)	(\$618,599)	(\$475,210)	-4
Petroleum Refining	(\$5,478,343)	(\$865,041)	(\$174,784)	-1
Rubber & Plastic Products	(\$1,167,728)	(\$259,656)	(\$203,616)	-3
Leather & Leather Products	(\$4,468)	(\$1,909)	(\$1,208)	0
Stone, Clay & Glass Products	(\$1,030,309)	(\$456,299)	(\$276,424)	-5
Primary Metals	(\$5,318,175)	(\$1,387,968)	(\$1,201,744)	-19
Fabricated Metal Products	(\$2,399,019)	(\$965,820)	(\$648,165)	-14
Machinery, Except Electrical	(\$5,066,304)	(\$1,620,764)	(\$1,462,760)	-22
Electrical Machinery	(\$3,793,178)	(\$1,850,022)	(\$1,325,404)	-17
Motor Vehicles	(\$4,609,459)	(\$1,346,275)	(\$820,005)	-7
Other Transportation Equipment	(\$3,911,164)	(\$1,828,996)	(\$1,252,714)	-23
Instruments	(\$29,647)	(\$8,516)	(\$9,928)	0
Miscellaneous Manufacturing	(\$22,867)	(\$5,828)	(\$5,436)	0
Transportation & Warehousing	(\$12,907,596)	(\$6,646,533)	(\$4,767,814)	-91
Communication	(\$3,080,578)	(\$1,958,842)	(\$921,102)	-13
Electric Utilities	(\$8,253,826)	(\$1,582,942)	(\$760,606)	-3
Gas Utilities	(\$1,765,899)	(\$226,177)	(\$111,211)	-1
Trade	(\$66,779,753)	(\$46,998,504)	(\$28,751,784)	-948
Finance, Insurance, & Real Estate	(\$29,375,206)	(\$10,811,830)	(\$4,046,247)	-54
Other Services	(\$51,841,810)	(\$31,150,491)	(\$26,913,528)	-615
Government Enterprises	(\$1,078,450)	(\$657,833)	(\$525,491)	-12
Total	(\$299,144,402)	(\$139,881,922)	(\$97,068,556)	-2,370

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table P.3
The Total Gross Potential Impact of Efficiency Gains from Construction of All
Aspects of TTC-35 Outlined in the Conceptual Plan on
Business Activity in the TTC-35 Study Area*
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$185,033,412	\$58,151,119	\$30,863,441	2,307
Metal Mining	\$107,316,909	\$44,121,293	\$37,793,247	705
Coal Mining	\$228,204,244	\$42,212,169	\$61,998,897	1,040
Crude Petroleum & Natural Gas	\$186,843,197	\$45,229,261	\$18,562,046	75
Nonmetallic Mineral Mining	\$98,546,497	\$34,044,781	\$25,651,767	660
Construction	\$870,164,206	\$366,639,226	\$296,409,042	6,318
Food & Kindred Products	\$399,919,769	\$85,432,231	\$44,498,557	1,179
Tobacco Manufactures	\$11,856	\$1,926	\$1,453	0
Textile Mill products	\$14,531,242	\$3,128,045	\$2,959,796	81
Apparel & Other Textile Products	\$42,727,808	\$20,400,369	\$11,390,929	340
Lumber & Wood Products	\$27,146,376	\$9,837,944	\$6,588,218	199
Furniture & Fixtures	\$214,468	\$65,819	\$58,685	2
Paper & Allied Products	\$39,973,811	\$13,704,362	\$7,983,746	146
Printing & Publishing	\$54,704,979	\$29,495,621	\$17,740,270	355
Chemicals & Allied Products	\$89,814,411	\$18,309,464	\$14,065,398	113
Petroleum Refining	\$161,238,238	\$25,459,839	\$5,144,237	35
Rubber & Plastic Products	\$34,742,873	\$7,725,430	\$6,058,102	83
Leather & Leather Products	\$135,602	\$57,926	\$36,667	1
Stone, Clay & Glass Products	\$31,120,056	\$13,782,314	\$8,349,270	161
Primary Metals	\$156,804,912	\$40,923,852	\$35,433,100	565
Fabricated Metal Products	\$71,547,284	\$28,804,190	\$19,330,597	430
Machinery, Except Electrical	\$151,899,834	\$48,594,343	\$43,857,006	650
Electrical Machinery	\$112,526,346	\$54,881,757	\$39,318,710	515
Motor Vehicles	\$138,074,238	\$40,327,055	\$24,562,876	219
Other Transportation Equipment	\$116,871,856	\$54,653,334	\$37,433,098	702
Instruments	\$879,903	\$252,747	\$294,645	5
Miscellaneous Manufacturing	\$685,532	\$174,726	\$162,966	2
Transportation & Warehousing	\$396,595,904	\$204,219,882	\$146,494,775	2,789
Communication	\$90,602,914	\$57,611,515	\$27,090,529	368
Electric Utilities	\$167,360,822	\$32,096,927	\$15,422,615	70
Gas Utilities	\$51,953,033	\$6,654,155	\$3,271,854	15
Trade	\$1,987,999,697	\$1,399,121,840	\$855,926,167	28,236
Finance, Insurance, & Real Estate	\$879,488,369	\$323,704,254	\$121,143,895	1,605
Other Services	\$1,543,071,995	\$927,194,658	\$801,081,433	18,291
Government Enterprises	\$32,176,541	\$19,627,032	\$15,678,483	344
Total	\$8,470,929,132	\$4,056,641,406	\$2,782,656,519	68,607

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table P.4
The Total Offsetting Potential Impact of Foregone Efficiency Gains from
Alternative Highway Construction Projects Stemming from Use of TxDOT Funds
for All TTC-35 Construction Projects Outlined in the Conceptual Plan on Business
Activity in the TTC-35 Study Area*—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$13,409,968)	(\$4,214,399)	(\$2,236,773)	-167
Metal Mining	(\$7,777,602)	(\$3,197,612)	(\$2,738,998)	-51
Coal Mining	(\$16,538,697)	(\$3,059,252)	(\$4,493,260)	-75
Crude Petroleum & Natural Gas	(\$13,541,129)	(\$3,277,910)	(\$1,345,251)	-5
Nonmetallic Mineral Mining	(\$7,141,982)	(\$2,467,335)	(\$1,859,066)	-48
Construction	(\$63,063,604)	(\$26,571,526)	(\$21,481,718)	-458
Food & Kindred Products	(\$28,983,474)	(\$6,191,549)	(\$3,224,954)	-85
Tobacco Manufactures	(\$859)	(\$140)	(\$105)	0
Textile Mill products	(\$1,053,126)	(\$226,700)	(\$214,506)	-6
Apparel & Other Textile Products	(\$3,096,622)	(\$1,478,480)	(\$825,537)	-25
Lumber & Wood Products	(\$1,967,385)	(\$712,988)	(\$477,469)	-14
Furniture & Fixtures	(\$15,543)	(\$4,770)	(\$4,253)	0
Paper & Allied Products	(\$2,897,031)	(\$993,199)	(\$578,608)	-11
Printing & Publishing	(\$3,964,646)	(\$2,137,643)	(\$1,285,695)	-26
Chemicals & Allied Products	(\$6,509,140)	(\$1,326,946)	(\$1,019,365)	-8
Petroleum Refining	(\$11,685,455)	(\$1,845,157)	(\$372,819)	-3
Rubber & Plastic Products	(\$2,517,928)	(\$559,887)	(\$439,050)	-6
Leather & Leather Products	(\$9,828)	(\$4,198)	(\$2,657)	0
Stone, Clay & Glass Products	(\$2,255,371)	(\$998,849)	(\$605,099)	-12
Primary Metals	(\$11,364,157)	(\$2,965,883)	(\$2,567,951)	-41
Fabricated Metal Products	(\$5,185,262)	(\$2,087,532)	(\$1,400,951)	-31
Machinery, Except Electrical	(\$11,008,670)	(\$3,521,789)	(\$3,178,459)	-47
Electrical Machinery	(\$8,155,147)	(\$3,977,458)	(\$2,849,554)	-37
Motor Vehicles	(\$10,006,685)	(\$2,922,632)	(\$1,780,151)	-16
Other Transportation Equipment	(\$8,470,080)	(\$3,960,903)	(\$2,712,897)	-51
Instruments	(\$63,769)	(\$18,317)	(\$21,354)	0
Miscellaneous Manufacturing	(\$49,683)	(\$12,663)	(\$11,811)	0
Transportation & Warehousing	(\$28,742,583)	(\$14,800,473)	(\$10,616,948)	-202
Communication	(\$6,566,285)	(\$4,175,292)	(\$1,963,338)	-27
Electric Utilities	(\$12,129,178)	(\$2,326,168)	(\$1,117,727)	-5
Gas Utilities	(\$3,765,204)	(\$482,248)	(\$237,122)	-1
Trade	(\$144,076,744)	(\$101,398,868)	(\$62,031,728)	-2,046
Finance, Insurance, & Real Estate	(\$63,739,356)	(\$23,459,890)	(\$8,779,688)	-116
Other Services	(\$111,831,400)	(\$67,196,785)	(\$58,056,953)	-1,326
Government Enterprises	(\$2,331,938)	(\$1,422,434)	(\$1,136,270)	-25
Total	(\$613,915,532)	(\$293,997,875)	(\$201,668,085)	-4,972

*The TTC-35 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table P.5
The Gross Potential Impact of Efficiency Gains from Construction of Other
Conceptual Aspects of TTC-69 on Business Activity in the TTC-69 Study Area*
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$81,514,788	\$25,617,947	\$13,596,609	1,016
Metal Mining	\$127,300,936	\$52,337,344	\$44,830,920	836
Coal Mining	\$175,850,034	\$32,527,928	\$47,775,221	802
Crude Petroleum & Natural Gas	\$152,684,534	\$36,960,450	\$15,168,534	61
Nonmetallic Mineral Mining	\$96,458,999	\$33,323,615	\$25,108,389	646
Construction	\$286,392,921	\$120,670,189	\$97,555,669	2,079
Food & Kindred Products	\$84,623,642	\$18,077,592	\$9,415,963	250
Tobacco Manufactures	\$4,367	\$709	\$535	0
Textile Mill products	\$960,635	\$206,790	\$195,667	5
Apparel & Other Textile Products	\$6,377,874	\$3,045,112	\$1,700,296	51
Lumber & Wood Products	\$9,688,298	\$3,511,074	\$2,351,276	71
Furniture & Fixtures	\$37,947	\$11,646	\$10,384	0
Paper & Allied Products	\$8,268,374	\$2,834,676	\$1,651,396	30
Printing & Publishing	\$9,867,295	\$5,320,210	\$3,199,864	64
Chemicals & Allied Products	\$54,013,580	\$11,011,147	\$8,458,804	68
Petroleum Refining	\$132,528,745	\$20,926,553	\$4,228,273	29
Rubber & Plastic Products	\$14,646,282	\$3,256,749	\$2,553,867	35
Leather & Leather Products	\$5,058	\$2,161	\$1,368	0
Stone, Clay & Glass Products	\$6,772,823	\$2,999,518	\$1,817,096	35
Primary Metals	\$35,067,049	\$9,152,001	\$7,924,077	126
Fabricated Metal Products	\$32,022,548	\$12,891,944	\$8,651,831	192
Machinery, Except Electrical	\$52,576,503	\$16,819,772	\$15,180,056	225
Electrical Machinery	\$21,147,460	\$10,314,116	\$7,389,299	97
Motor Vehicles	\$18,879,916	\$5,514,218	\$3,358,664	30
Other Transportation Equipment	\$15,620,209	\$7,304,552	\$5,003,025	94
Instruments	\$179,227	\$51,482	\$60,016	1
Miscellaneous Manufacturing	\$216,190	\$55,102	\$51,393	1
Transportation & Warehousing	\$134,732,116	\$69,377,864	\$49,767,410	948
Communication	\$17,083,285	\$10,862,718	\$5,107,951	69
Electric Utilities	\$227,817,769	\$43,691,529	\$20,993,836	95
Gas Utilities	\$30,318,909	\$3,883,252	\$1,909,399	9
Trade	\$581,965,579	\$409,577,905	\$250,563,201	8,266
Finance, Insurance, & Real Estate	\$243,433,545	\$89,598,086	\$33,531,413	444
Other Services	\$508,214,245	\$305,373,654	\$263,837,978	6,024
Government Enterprises	\$9,637,798	\$5,878,860	\$4,696,156	103
Total	\$3,176,909,480	\$1,372,988,463	\$957,645,835	22,804

*The TTC-69 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table P.6
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for Other Conceptual TTC-69 Construction Projects on Business Activity in the TTC-69 Study Area*

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$5,907,639)	(\$1,856,615)	(\$985,390)	-74
Metal Mining	(\$9,225,909)	(\$3,793,056)	(\$3,249,041)	-61
Coal Mining	(\$12,744,419)	(\$2,357,404)	(\$3,462,424)	-58
Crude Petroleum & Natural Gas	(\$11,065,540)	(\$2,678,643)	(\$1,099,313)	-4
Nonmetallic Mineral Mining	(\$6,990,694)	(\$2,415,070)	(\$1,819,686)	-47
Construction	(\$20,755,818)	(\$8,745,357)	(\$7,070,174)	-151
Food & Kindred Products	(\$6,132,948)	(\$1,310,141)	(\$682,405)	-18
Tobacco Manufactures	(\$316)	(\$51)	(\$39)	0
Textile Mill products	(\$69,620)	(\$14,987)	(\$14,181)	0
Apparel & Other Textile Products	(\$462,225)	(\$220,689)	(\$123,226)	-4
Lumber & Wood Products	(\$702,142)	(\$254,459)	(\$170,405)	-5
Furniture & Fixtures	(\$2,750)	(\$844)	(\$753)	0
Paper & Allied Products	(\$599,236)	(\$205,438)	(\$119,682)	-2
Printing & Publishing	(\$715,115)	(\$385,573)	(\$231,904)	-5
Chemicals & Allied Products	(\$3,914,538)	(\$798,013)	(\$613,037)	-5
Petroleum Refining	(\$9,604,785)	(\$1,516,615)	(\$306,437)	-2
Rubber & Plastic Products	(\$1,061,463)	(\$236,027)	(\$185,087)	-3
Leather & Leather Products	(\$367)	(\$157)	(\$99)	0
Stone, Clay & Glass Products	(\$490,848)	(\$217,385)	(\$131,691)	-3
Primary Metals	(\$2,541,422)	(\$663,275)	(\$574,283)	-9
Fabricated Metal Products	(\$2,320,777)	(\$934,321)	(\$627,026)	-14
Machinery, Except Electrical	(\$3,810,389)	(\$1,218,983)	(\$1,100,148)	-16
Electrical Machinery	(\$1,532,625)	(\$747,497)	(\$535,526)	-7
Motor Vehicles	(\$1,368,288)	(\$399,633)	(\$243,413)	-2
Other Transportation Equipment	(\$1,132,047)	(\$529,384)	(\$362,585)	-7
Instruments	(\$12,989)	(\$3,731)	(\$4,350)	0
Miscellaneous Manufacturing	(\$15,668)	(\$3,993)	(\$3,725)	0
Transportation & Warehousing	(\$9,764,471)	(\$5,028,037)	(\$3,606,805)	-69
Communication	(\$1,238,081)	(\$787,256)	(\$370,190)	-5
Electric Utilities	(\$16,510,688)	(\$3,166,466)	(\$1,521,491)	-7
Gas Utilities	(\$2,197,309)	(\$281,432)	(\$138,380)	-1
Trade	(\$42,176,921)	(\$29,683,431)	(\$18,159,123)	-599
Finance, Insurance, & Real Estate	(\$17,642,414)	(\$6,493,462)	(\$2,430,130)	-32
Other Services	(\$36,831,924)	(\$22,131,413)	(\$19,121,189)	-437
Government Enterprises	(\$698,482)	(\$426,060)	(\$340,346)	-7
Total	(\$230,240,868)	(\$99,504,898)	(\$69,403,680)	-1,653

*The TTC-69 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table P.7
The Total Potential Impact of Efficiency Gains from Construction of All
Aspects of TTC-69 Outlined in the Conceptual Plan on
Business Activity in the TTC-69 Study Area*
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$272,255,636	\$85,562,762	\$45,412,046	3,395
Metal Mining	\$127,300,936	\$52,337,344	\$44,830,920	836
Coal Mining	\$175,850,034	\$32,527,928	\$47,775,221	802
Crude Petroleum & Natural Gas	\$495,246,053	\$119,884,553	\$49,200,507	198
Nonmetallic Mineral Mining	\$96,458,999	\$33,323,615	\$25,108,389	646
Construction	\$1,042,942,220	\$439,438,356	\$355,263,412	7,572
Food & Kindred Products	\$284,277,753	\$60,728,388	\$31,631,219	838
Tobacco Manufactures	\$15,326	\$2,489	\$1,878	0
Textile Mill products	\$3,227,669	\$694,799	\$657,428	18
Apparel & Other Textile Products	\$22,624,226	\$10,801,925	\$6,031,458	180
Lumber & Wood Products	\$33,762,989	\$12,235,829	\$8,194,020	248
Furniture & Fixtures	\$132,316	\$40,607	\$36,206	1
Paper & Allied Products	\$28,303,844	\$9,703,506	\$5,652,969	104
Printing & Publishing	\$34,251,210	\$18,467,436	\$11,107,320	222
Chemicals & Allied Products	\$182,281,913	\$37,159,784	\$28,546,283	230
Petroleum Refining	\$439,779,015	\$69,441,982	\$14,030,962	96
Rubber & Plastic Products	\$50,211,132	\$11,164,953	\$8,755,296	120
Leather & Leather Products	\$18,449	\$7,881	\$4,989	0
Stone, Clay & Glass Products	\$24,328,830	\$10,774,646	\$6,527,237	126
Primary Metals	\$116,987,701	\$30,532,126	\$26,435,632	421
Fabricated Metal Products	\$110,582,942	\$44,519,538	\$29,877,226	664
Machinery, Except Electrical	\$184,554,634	\$59,040,954	\$53,285,205	790
Electrical Machinery	\$71,857,011	\$35,046,362	\$25,108,120	329
Motor Vehicles	\$66,082,350	\$19,300,534	\$11,755,796	105
Other Transportation Equipment	\$54,263,631	\$25,375,556	\$17,380,197	326
Instruments	\$609,828	\$175,170	\$204,208	4
Miscellaneous Manufacturing	\$758,646	\$193,361	\$180,347	3
Transportation & Warehousing	\$511,357,002	\$263,314,032	\$188,885,281	3,596
Communication	\$56,569,029	\$35,970,449	\$16,914,301	230
Electric Utilities	\$331,630,295	\$63,600,986	\$30,560,356	139
Gas Utilities	\$100,489,784	\$12,870,752	\$6,328,561	29
Trade	\$1,998,589,214	\$1,406,574,569	\$860,485,445	28,386
Finance, Insurance, & Real Estate	\$850,758,305	\$313,129,875	\$117,186,512	1,552
Other Services	\$1,744,510,523	\$1,048,234,200	\$905,657,672	20,678
Government Enterprises	\$33,324,242	\$20,327,107	\$16,237,717	356
Total	\$9,546,193,689	\$4,382,504,352	\$2,995,250,331	73,240

*The TTC-69 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table P.8
The Total Offsetting Potential Impact of Foregone Efficiency Gains from
Alternative Highway Construction Projects Stemming from Use of TxDOT Funds
for All TTC-69 Construction Projects Outlined in the Conceptual Plan on Business
Activity in the TTC-69 Study Area*—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$19,731,243)	(\$6,201,009)	(\$3,291,157)	-246
Metal Mining	(\$9,225,909)	(\$3,793,056)	(\$3,249,041)	-61
Coal Mining	(\$12,744,419)	(\$2,357,404)	(\$3,462,424)	-58
Crude Petroleum & Natural Gas	(\$35,892,077)	(\$8,688,420)	(\$3,565,719)	-14
Nonmetallic Mineral Mining	(\$6,990,694)	(\$2,415,070)	(\$1,819,686)	-47
Construction	(\$75,585,384)	(\$31,847,514)	(\$25,747,084)	-549
Food & Kindred Products	(\$20,602,525)	(\$4,401,182)	(\$2,292,416)	-61
Tobacco Manufactures	(\$1,111)	(\$180)	(\$136)	0
Textile Mill products	(\$233,920)	(\$50,354)	(\$47,646)	-1
Apparel & Other Textile Products	(\$1,639,651)	(\$782,850)	(\$437,119)	-13
Lumber & Wood Products	(\$2,446,913)	(\$886,770)	(\$593,847)	-18
Furniture & Fixtures	(\$9,589)	(\$2,943)	(\$2,624)	0
Paper & Allied Products	(\$2,051,271)	(\$703,244)	(\$409,689)	-8
Printing & Publishing	(\$2,482,296)	(\$1,338,395)	(\$804,983)	-16
Chemicals & Allied Products	(\$13,210,558)	(\$2,693,089)	(\$2,068,841)	-17
Petroleum Refining	(\$31,872,202)	(\$5,032,684)	(\$1,016,869)	-7
Rubber & Plastic Products	(\$3,638,963)	(\$809,160)	(\$634,525)	-9
Leather & Leather Products	(\$1,337)	(\$571)	(\$362)	0
Stone, Clay & Glass Products	(\$1,763,189)	(\$780,873)	(\$473,050)	-9
Primary Metals	(\$8,478,476)	(\$2,212,762)	(\$1,915,875)	-31
Fabricated Metal Products	(\$8,014,302)	(\$3,226,474)	(\$2,165,299)	-48
Machinery, Except Electrical	(\$13,375,269)	(\$4,278,888)	(\$3,861,750)	-57
Electrical Machinery	(\$5,207,709)	(\$2,539,923)	(\$1,819,666)	-24
Motor Vehicles	(\$4,789,201)	(\$1,398,772)	(\$851,980)	-8
Other Transportation Equipment	(\$3,932,660)	(\$1,839,048)	(\$1,259,599)	-24
Instruments	(\$44,196)	(\$12,695)	(\$14,800)	0
Miscellaneous Manufacturing	(\$54,982)	(\$14,013)	(\$13,070)	0
Transportation & Warehousing	(\$37,059,690)	(\$19,083,216)	(\$13,689,125)	-261
Communication	(\$4,099,740)	(\$2,606,894)	(\$1,225,834)	-17
Electric Utilities	(\$24,034,316)	(\$4,609,368)	(\$2,214,807)	-10
Gas Utilities	(\$7,282,818)	(\$932,785)	(\$458,651)	-2
Trade	(\$144,844,201)	(\$101,938,992)	(\$62,362,153)	-2,057
Finance, Insurance, & Real Estate	(\$61,657,196)	(\$22,693,531)	(\$8,492,884)	-112
Other Services	(\$126,430,299)	(\$75,968,910)	(\$65,635,930)	-1,499
Government Enterprises	(\$2,415,115)	(\$1,473,171)	(\$1,176,800)	-26
Total	(\$691,843,419)	(\$317,614,213)	(\$217,075,444)	-5,308

*The TTC-69 Study Area is defined in the accompanying report.

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

APPENDIX Q

Potential Impact of Efficiency Gains from Other TTC-35 Construction, the Other TTC-35 Conceptual Plan, Other TTC-69 Construction, and the Total TTC-69 Conceptual Plan, Other Priority Corridors, Non-Priority Corridors, and the Entire TTC Conceptual Plan on Texas

Table Q.1
The Gross Potential Impact of Efficiency Gains from Construction of Other
Conceptual Aspects of TTC-35 on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry and Fisheries	\$167,912,241	\$52,770,386	\$28,007,642	2,094
Metal Mining	\$93,151,740	\$38,297,555	\$32,804,772	612
Coal Mining	\$198,082,695	\$36,640,424	\$53,815,426	903
Crude Petroleum and Natural Gas	\$180,502,604	\$43,694,389	\$17,932,136	72
Nonmetallic Mineral Mining	\$85,538,968	\$29,551,081	\$22,265,893	573
Construction	\$395,797,863	\$166,767,400	\$134,822,904	2,874
Food and Kindred Products	\$186,720,356	\$39,887,842	\$20,776,133	551
Tobacco Manufactures	\$5,457	\$886	\$669	0
Textile Mill products	\$6,784,143	\$1,460,378	\$1,381,828	38
Apparel and Other Textile Products	\$19,597,427	\$9,356,781	\$5,224,535	156
Lumber and Wood Products	\$13,102,109	\$4,748,252	\$3,179,782	96
Furniture and Fixtures	\$98,914	\$30,356	\$27,066	1
Paper and Allied Products	\$18,547,558	\$6,358,725	\$3,704,400	68
Printing and Publishing	\$25,267,217	\$13,623,481	\$8,193,902	164
Chemicals and Allied Products	\$65,648,055	\$13,382,938	\$10,280,822	83
Petroleum Refining	\$159,183,669	\$25,135,418	\$5,078,687	35
Rubber and Plastic Products	\$19,793,889	\$4,401,372	\$3,451,453	47
Leather and Leather Products	\$61,648	\$26,335	\$16,670	0
Stone, Clay and Glass Products	\$14,216,412	\$6,296,102	\$3,814,153	74
Primary Metals	\$73,381,243	\$19,151,461	\$16,581,910	264
Fabricated Metal Products	\$39,556,963	\$15,925,220	\$10,687,474	238
Machinery, Except Electrical	\$72,640,249	\$23,238,374	\$20,972,925	311
Electrical Machinery	\$52,339,027	\$25,526,980	\$18,288,188	240
Motor Vehicles	\$63,602,231	\$18,576,171	\$11,314,592	101
Other Transportation Equipment	\$53,967,024	\$25,236,852	\$17,285,196	324
Instruments	\$409,081	\$117,506	\$136,986	2
Miscellaneous Manufacturing	\$315,519	\$80,418	\$75,006	1
Transportation and Warehousing	\$178,101,583	\$91,710,186	\$65,787,243	1,253
Communication	\$42,506,431	\$27,028,489	\$12,709,544	173
Electric Utilities	\$166,197,348	\$31,873,792	\$15,315,398	69
Gas Utilities	\$36,386,566	\$4,660,399	\$2,291,522	10
Trade	\$921,440,377	\$648,494,745	\$396,722,862	13,087
Finance, Insurance, and Real Estate	\$405,324,958	\$149,183,796	\$55,830,919	740
Other Services	\$715,323,654	\$429,820,691	\$371,358,238	8,479
Government Enterprises	\$14,880,675	\$9,076,907	\$7,250,823	159
Total	\$4,486,385,893	\$2,012,132,089	\$1,377,387,701	33,891

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.2
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for Other Conceptual TTC-35 Construction Projects on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry and Fisheries	(\$12,169,141)	(\$3,824,440)	(\$2,029,804)	-152
Metal Mining	(\$6,751,007)	(\$2,775,547)	(\$2,377,468)	-44
Coal Mining	(\$14,355,691)	(\$2,655,450)	(\$3,900,177)	-65
Crude Petroleum and Natural Gas	(\$13,081,605)	(\$3,166,673)	(\$1,299,600)	-5
Nonmetallic Mineral Mining	(\$6,199,285)	(\$2,141,662)	(\$1,613,681)	-42
Construction	(\$28,684,747)	(\$12,086,171)	(\$9,771,050)	-208
Food and Kindred Products	(\$13,532,226)	(\$2,890,800)	(\$1,505,713)	-40
Tobacco Manufactures	(\$395)	(\$64)	(\$48)	0
Textile Mill products	(\$491,669)	(\$105,838)	(\$100,146)	-3
Apparel and Other Textile Products	(\$1,420,289)	(\$678,116)	(\$378,639)	-11
Lumber and Wood Products	(\$949,552)	(\$344,121)	(\$230,449)	-7
Furniture and Fixtures	(\$7,169)	(\$2,200)	(\$1,962)	0
Paper and Allied Products	(\$1,344,201)	(\$460,837)	(\$268,470)	-5
Printing and Publishing	(\$1,831,197)	(\$987,338)	(\$593,838)	-12
Chemicals and Allied Products	(\$4,757,726)	(\$969,905)	(\$745,084)	-6
Petroleum Refining	(\$11,536,553)	(\$1,821,645)	(\$368,069)	-3
Rubber and Plastic Products	(\$1,434,527)	(\$318,982)	(\$250,138)	-3
Leather and Leather Products	(\$4,468)	(\$1,909)	(\$1,208)	0
Stone, Clay and Glass Products	(\$1,030,309)	(\$456,299)	(\$276,424)	-5
Primary Metals	(\$5,318,175)	(\$1,387,968)	(\$1,201,744)	-19
Fabricated Metal Products	(\$2,866,821)	(\$1,154,152)	(\$774,556)	-17
Machinery, Except Electrical	(\$5,264,473)	(\$1,684,160)	(\$1,519,975)	-23
Electrical Machinery	(\$3,793,178)	(\$1,850,022)	(\$1,325,404)	-17
Motor Vehicles	(\$4,609,459)	(\$1,346,275)	(\$820,005)	-7
Other Transportation Equipment	(\$3,911,164)	(\$1,828,996)	(\$1,252,714)	-23
Instruments	(\$29,647)	(\$8,516)	(\$9,928)	0
Miscellaneous Manufacturing	(\$22,867)	(\$5,828)	(\$5,436)	0
Transportation and Warehousing	(\$12,907,596)	(\$6,646,533)	(\$4,767,814)	-91
Communication	(\$3,080,578)	(\$1,958,842)	(\$921,102)	-13
Electric Utilities	(\$12,044,857)	(\$2,309,996)	(\$1,109,956)	-5
Gas Utilities	(\$2,637,052)	(\$337,754)	(\$166,074)	-1
Trade	(\$66,779,753)	(\$46,998,504)	(\$28,751,784)	-948
Finance, Insurance, and Real Estate	(\$29,375,206)	(\$10,811,830)	(\$4,046,247)	-54
Other Services	(\$51,841,810)	(\$31,150,491)	(\$26,913,528)	-615
Government Enterprises	(\$1,078,450)	(\$657,833)	(\$525,491)	-12
Total	(\$325,142,843)	(\$145,825,697)	(\$99,823,725)	-2,456

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.3
The Total Gross Potential Impact of Efficiency Gains from Construction of All
Aspects of TTC-35 Outlined in the Conceptual Plan on
Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry and Fisheries	\$358,942,053	\$112,806,015	\$59,871,278	4,476
Metal Mining	\$107,316,909	\$44,121,293	\$37,793,247	705
Coal Mining	\$228,204,244	\$42,212,169	\$61,998,897	1,040
Crude Petroleum and Natural Gas	\$382,050,090	\$92,483,128	\$37,954,989	152
Nonmetallic Mineral Mining	\$98,546,497	\$34,044,781	\$25,651,767	660
Construction	\$870,164,206	\$366,639,226	\$296,409,042	6,318
Food and Kindred Products	\$399,919,769	\$85,432,231	\$44,498,557	1,179
Tobacco Manufactures	\$11,856	\$1,926	\$1,453	0
Textile Mill products	\$14,531,242	\$3,128,045	\$2,959,796	81
Apparel and Other Textile Products	\$42,727,808	\$20,400,369	\$11,390,929	340
Lumber and Wood Products	\$28,403,271	\$10,293,448	\$6,893,257	208
Furniture and Fixtures	\$214,468	\$65,819	\$58,685	2
Paper and Allied Products	\$39,973,811	\$13,704,362	\$7,983,746	146
Printing and Publishing	\$54,704,979	\$29,495,621	\$17,740,270	355
Chemicals and Allied Products	\$140,820,385	\$28,707,484	\$22,053,195	178
Petroleum Refining	\$339,543,124	\$53,614,535	\$10,832,978	74
Rubber and Plastic Products	\$42,680,818	\$9,490,512	\$7,442,238	102
Leather and Leather Products	\$135,602	\$57,926	\$36,667	1
Stone, Clay and Glass Products	\$31,120,056	\$13,782,314	\$8,349,270	161
Primary Metals	\$156,804,912	\$40,923,852	\$35,433,100	565
Fabricated Metal Products	\$85,498,784	\$34,420,918	\$23,100,005	513
Machinery, Except Electrical	\$157,841,402	\$50,495,112	\$45,572,475	676
Electrical Machinery	\$112,526,346	\$54,881,757	\$39,318,710	515
Motor Vehicles	\$138,074,238	\$40,327,055	\$24,562,876	219
Other Transportation Equipment	\$116,871,856	\$54,653,334	\$37,433,098	702
Instruments	\$879,903	\$252,747	\$294,645	5
Miscellaneous Manufacturing	\$685,532	\$174,726	\$162,966	2
Transportation and Warehousing	\$396,595,904	\$204,219,882	\$146,494,775	2,789
Communication	\$90,602,914	\$57,611,515	\$27,090,529	368
Electric Utilities	\$244,230,639	\$46,839,235	\$22,506,313	102
Gas Utilities	\$77,582,493	\$9,936,781	\$4,885,925	22
Trade	\$1,987,999,697	\$1,399,121,840	\$855,926,167	28,236
Finance, Insurance, and Real Estate	\$879,488,369	\$323,704,254	\$121,143,895	1,605
Other Services	\$1,543,071,995	\$927,194,658	\$801,081,433	18,291
Government Enterprises	\$32,176,541	\$19,627,032	\$15,678,483	344
Total	\$9,200,942,712	\$4,224,865,904	\$2,860,605,657	71,134

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.4
The Total Offsetting Potential Impact of Foregone Efficiency Gains from
Alternative Highway Construction Projects Stemming from Use of TxDOT Funds
for All TTC-35 Construction Projects Outlined in the Conceptual Plan on
Business Activity in Texas—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry and Fisheries	(\$26,013,687)	(\$8,175,415)	(\$4,339,064)	-324
Metal Mining	(\$7,777,602)	(\$3,197,612)	(\$2,738,998)	-51
Coal Mining	(\$16,538,697)	(\$3,059,252)	(\$4,493,260)	-75
Crude Petroleum and Natural Gas	(\$27,688,401)	(\$6,702,550)	(\$2,750,720)	-11
Nonmetallic Mineral Mining	(\$7,141,982)	(\$2,467,335)	(\$1,859,066)	-48
Construction	(\$63,063,604)	(\$26,571,526)	(\$21,481,718)	-458
Food and Kindred Products	(\$28,983,474)	(\$6,191,549)	(\$3,224,954)	-85
Tobacco Manufactures	(\$859)	(\$140)	(\$105)	0
Textile Mill products	(\$1,053,126)	(\$226,700)	(\$214,506)	-6
Apparel and Other Textile Products	(\$3,096,622)	(\$1,478,480)	(\$825,537)	-25
Lumber and Wood Products	(\$2,058,477)	(\$745,999)	(\$499,577)	-15
Furniture and Fixtures	(\$15,543)	(\$4,770)	(\$4,253)	0
Paper and Allied Products	(\$2,897,031)	(\$993,199)	(\$578,608)	-11
Printing and Publishing	(\$3,964,646)	(\$2,137,643)	(\$1,285,695)	-26
Chemicals and Allied Products	(\$10,205,707)	(\$2,080,524)	(\$1,598,266)	-13
Petroleum Refining	(\$24,607,784)	(\$3,885,618)	(\$785,101)	-5
Rubber and Plastic Products	(\$3,093,216)	(\$687,808)	(\$539,363)	-7
Leather and Leather Products	(\$9,828)	(\$4,198)	(\$2,657)	0
Stone, Clay and Glass Products	(\$2,255,371)	(\$998,849)	(\$605,099)	-12
Primary Metals	(\$11,364,157)	(\$2,965,883)	(\$2,567,951)	-41
Fabricated Metal Products	(\$6,196,372)	(\$2,494,595)	(\$1,674,132)	-37
Machinery, Except Electrical	(\$11,439,275)	(\$3,659,544)	(\$3,302,784)	-49
Electrical Machinery	(\$8,155,147)	(\$3,977,458)	(\$2,849,554)	-37
Motor Vehicles	(\$10,006,685)	(\$2,922,632)	(\$1,780,151)	-16
Other Transportation Equipment	(\$8,470,080)	(\$3,960,903)	(\$2,712,897)	-51
Instruments	(\$63,769)	(\$18,317)	(\$21,354)	0
Miscellaneous Manufacturing	(\$49,683)	(\$12,663)	(\$11,811)	0
Transportation and Warehousing	(\$28,742,583)	(\$14,800,473)	(\$10,616,948)	-202
Communication	(\$6,566,285)	(\$4,175,292)	(\$1,963,338)	-27
Electric Utilities	(\$17,700,181)	(\$3,394,590)	(\$1,631,105)	-7
Gas Utilities	(\$5,622,653)	(\$720,151)	(\$354,099)	-2
Trade	(\$144,076,744)	(\$101,398,868)	(\$62,031,728)	-2,046
Finance, Insurance, and Real Estate	(\$63,739,356)	(\$23,459,890)	(\$8,779,688)	-116
Other Services	(\$111,831,400)	(\$67,196,785)	(\$58,056,953)	-1,326
Government Enterprises	(\$2,331,938)	(\$1,422,434)	(\$1,136,270)	-25
Total	(\$666,821,968)	(\$306,189,647)	(\$207,317,310)	-5,155

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.5
The Gross Potential Impact of Efficiency Gains from Construction of Other
Conceptual Aspects of TTC-69 on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry and Fisheries	\$139,162,504	\$43,735,103	\$23,212,206	1,735
Metal Mining	\$151,676,826	\$62,359,025	\$53,415,253	997
Coal Mining	\$322,533,475	\$59,660,755	\$87,626,414	1,470
Crude Petroleum and Natural Gas	\$152,684,534	\$36,960,450	\$15,168,534	61
Nonmetallic Mineral Mining	\$139,281,126	\$48,117,342	\$36,255,039	933
Construction	\$308,499,812	\$129,984,814	\$105,086,067	2,240
Food and Kindred Products	\$154,124,054	\$32,924,508	\$17,149,185	454
Tobacco Manufactures	\$4,367	\$709	\$535	0
Textile Mill products	\$5,599,096	\$1,205,281	\$1,140,452	31
Apparel and Other Textile Products	\$15,564,777	\$7,431,395	\$4,149,459	124
Lumber and Wood Products	\$10,538,208	\$3,819,084	\$2,557,543	77
Furniture and Fixtures	\$79,527	\$24,406	\$21,761	1
Paper and Allied Products	\$15,108,131	\$5,179,574	\$3,017,463	55
Printing and Publishing	\$20,379,793	\$10,988,299	\$6,608,960	132
Chemicals and Allied Products	\$54,013,580	\$11,011,147	\$8,458,804	68
Petroleum Refining	\$132,528,745	\$20,926,553	\$4,228,273	29
Rubber and Plastic Products	\$16,106,384	\$3,581,418	\$2,808,464	38
Leather and Leather Products	\$47,996	\$20,503	\$12,978	0
Stone, Clay and Glass Products	\$11,190,169	\$4,955,853	\$3,002,236	58
Primary Metals	\$60,866,026	\$15,885,167	\$13,753,855	219
Fabricated Metal Products	\$32,022,548	\$12,891,944	\$8,651,831	192
Machinery, Except Electrical	\$58,126,242	\$18,595,192	\$16,782,395	249
Electrical Machinery	\$42,856,475	\$20,902,116	\$14,974,816	196
Motor Vehicles	\$50,998,137	\$14,894,920	\$9,072,373	81
Other Transportation Equipment	\$43,503,761	\$20,343,868	\$13,933,898	261
Instruments	\$334,644	\$96,125	\$112,059	2
Miscellaneous Manufacturing	\$252,530	\$64,364	\$60,032	1
Transportation and Warehousing	\$134,732,116	\$69,377,864	\$49,767,410	948
Communication	\$35,441,124	\$22,535,885	\$10,596,997	144
Electric Utilities	\$227,817,769	\$43,691,529	\$20,993,836	95
Gas Utilities	\$30,318,909	\$3,883,252	\$1,909,399	9
Trade	\$748,861,939	\$527,036,848	\$322,419,832	10,636
Finance, Insurance, and Real Estate	\$325,352,346	\$119,749,097	\$44,815,203	594
Other Services	\$581,537,946	\$349,432,093	\$301,903,769	6,893
Government Enterprises	\$12,035,553	\$7,341,441	\$5,864,497	129
Total	\$4,034,181,172	\$1,729,607,923	\$1,209,531,827	29,154

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.6
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for Other Conceptual TTC-69 Construction Projects on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry and Fisheries	(\$10,085,555)	(\$3,169,624)	(\$1,682,263)	-126
Metal Mining	(\$10,992,508)	(\$4,519,359)	(\$3,871,176)	-72
Coal Mining	(\$23,375,040)	(\$4,323,807)	(\$6,350,569)	-107
Crude Petroleum and Natural Gas	(\$11,065,540)	(\$2,678,643)	(\$1,099,313)	-4
Nonmetallic Mineral Mining	(\$10,094,152)	(\$3,487,219)	(\$2,627,519)	-68
Construction	(\$22,357,976)	(\$9,420,418)	(\$7,615,926)	-162
Food and Kindred Products	(\$11,169,867)	(\$2,386,145)	(\$1,242,857)	-33
Tobacco Manufactures	(\$316)	(\$51)	(\$39)	0
Textile Mill products	(\$405,785)	(\$87,351)	(\$82,652)	-2
Apparel and Other Textile Products	(\$1,128,030)	(\$538,577)	(\$300,725)	-9
Lumber and Wood Products	(\$763,738)	(\$276,781)	(\$185,353)	-6
Furniture and Fixtures	(\$5,764)	(\$1,769)	(\$1,577)	0
Paper and Allied Products	(\$1,094,935)	(\$375,380)	(\$218,685)	-4
Printing and Publishing	(\$1,476,989)	(\$796,357)	(\$478,973)	-10
Chemicals and Allied Products	(\$3,914,538)	(\$798,013)	(\$613,037)	-5
Petroleum Refining	(\$9,604,785)	(\$1,516,615)	(\$306,437)	-2
Rubber and Plastic Products	(\$1,167,282)	(\$259,557)	(\$203,538)	-3
Leather and Leather Products	(\$3,478)	(\$1,486)	(\$941)	0
Stone, Clay and Glass Products	(\$810,988)	(\$359,167)	(\$217,582)	-4
Primary Metals	(\$4,411,157)	(\$1,151,249)	(\$996,786)	-16
Fabricated Metal Products	(\$2,320,777)	(\$934,321)	(\$627,026)	-14
Machinery, Except Electrical	(\$4,212,596)	(\$1,347,653)	(\$1,216,274)	-18
Electrical Machinery	(\$3,105,947)	(\$1,514,844)	(\$1,085,273)	-14
Motor Vehicles	(\$3,695,999)	(\$1,079,483)	(\$657,504)	-6
Other Transportation Equipment	(\$3,152,858)	(\$1,474,386)	(\$1,009,835)	-19
Instruments	(\$24,253)	(\$6,966)	(\$8,121)	0
Miscellaneous Manufacturing	(\$18,302)	(\$4,665)	(\$4,351)	0
Transportation and Warehousing	(\$9,764,471)	(\$5,028,037)	(\$3,606,805)	-69
Communication	(\$2,568,532)	(\$1,633,248)	(\$767,999)	-10
Electric Utilities	(\$16,510,688)	(\$3,166,466)	(\$1,521,491)	-7
Gas Utilities	(\$2,197,309)	(\$281,432)	(\$138,380)	-1
Trade	(\$54,272,438)	(\$38,196,059)	(\$23,366,804)	-771
Finance, Insurance, and Real Estate	(\$23,579,333)	(\$8,678,603)	(\$3,247,902)	-43
Other Services	(\$42,145,929)	(\$25,324,470)	(\$21,879,939)	-500
Government Enterprises	(\$872,255)	(\$532,058)	(\$425,019)	-9
Total	(\$292,370,110)	(\$125,350,260)	(\$87,658,669)	-2,113

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.7
The Total Potential Impact of Efficiency Gains from Construction of All
Aspects of TTC-69 Outlined in the Conceptual Plan on
Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry and Fisheries	\$464,796,348	\$146,073,227	\$77,527,699	5,796
Metal Mining	\$151,676,826	\$62,359,025	\$53,415,253	997
Coal Mining	\$322,533,475	\$59,660,755	\$87,626,414	1,470
Crude Petroleum and Natural Gas	\$495,246,053	\$119,884,553	\$49,200,507	198
Nonmetallic Mineral Mining	\$139,281,126	\$48,117,342	\$36,255,039	933
Construction	\$1,123,447,737	\$473,358,943	\$382,686,469	8,157
Food and Kindred Products	\$517,751,761	\$110,603,905	\$57,609,570	1,527
Tobacco Manufactures	\$15,326	\$2,489	\$1,878	0
Textile Mill products	\$18,812,591	\$4,049,663	\$3,831,842	105
Apparel and Other Textile Products	\$55,212,924	\$26,361,380	\$14,719,372	440
Lumber and Wood Products	\$36,724,860	\$13,309,222	\$8,912,843	269
Furniture and Fixtures	\$277,297	\$85,101	\$75,878	2
Paper and Allied Products	\$51,717,327	\$17,730,433	\$10,329,213	189
Printing and Publishing	\$70,742,038	\$38,142,421	\$22,940,925	459
Chemicals and Allied Products	\$182,281,913	\$37,159,784	\$28,546,283	230
Petroleum Refining	\$439,779,015	\$69,441,982	\$14,030,962	96
Rubber and Plastic Products	\$55,216,728	\$12,277,998	\$9,628,120	131
Leather and Leather Products	\$175,063	\$74,783	\$47,338	1
Stone, Clay and Glass Products	\$40,196,493	\$17,802,047	\$10,784,408	208
Primary Metals	\$203,056,047	\$52,994,741	\$45,884,438	731
Fabricated Metal Products	\$110,582,942	\$44,519,538	\$29,877,226	664
Machinery, Except Electrical	\$204,035,391	\$65,273,052	\$58,909,751	873
Electrical Machinery	\$145,622,134	\$71,023,355	\$50,882,968	667
Motor Vehicles	\$178,500,626	\$52,134,306	\$31,754,575	283
Other Transportation Equipment	\$151,129,350	\$70,673,326	\$48,405,493	908
Instruments	\$1,138,641	\$327,069	\$381,287	7
Miscellaneous Manufacturing	\$886,169	\$225,863	\$210,661	3
Transportation and Warehousing	\$511,357,002	\$263,314,032	\$188,885,281	3,596
Communication	\$117,358,577	\$74,624,591	\$35,090,549	477
Electric Utilities	\$331,630,295	\$63,600,986	\$30,560,356	139
Gas Utilities	\$100,489,784	\$12,870,752	\$6,328,561	29
Trade	\$2,571,745,563	\$1,809,952,682	\$1,107,255,864	36,527
Finance, Insurance, and Real Estate	\$1,137,050,400	\$418,502,466	\$156,621,416	2,075
Other Services	\$1,996,203,525	\$1,199,470,440	\$1,036,323,377	23,662
Government Enterprises	\$41,614,868	\$25,384,219	\$20,277,444	445
Total	\$11,968,286,216	\$5,481,386,470	\$3,715,819,261	92,294

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.8
The Total Offsetting Potential Impact of Foregone Efficiency Gains from
Alternative Highway Construction Projects Stemming from Use of TxDOT Funds
for All TTC-69 Construction Projects Outlined in the Conceptual Plan on
Business Activity in Texas—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry and Fisheries	(\$33,685,289)	(\$10,586,397)	(\$5,618,682)	-420
Metal Mining	(\$10,992,508)	(\$4,519,359)	(\$3,871,176)	-72
Coal Mining	(\$23,375,040)	(\$4,323,807)	(\$6,350,569)	-107
Crude Petroleum and Natural Gas	(\$35,892,077)	(\$8,688,420)	(\$3,565,719)	-14
Nonmetallic Mineral Mining	(\$10,094,152)	(\$3,487,219)	(\$2,627,519)	-68
Construction	(\$81,419,878)	(\$34,305,848)	(\$27,734,522)	-591
Food and Kindred Products	(\$37,523,139)	(\$8,015,821)	(\$4,175,151)	-111
Tobacco Manufactures	(\$1,111)	(\$180)	(\$136)	0
Textile Mill products	(\$1,363,409)	(\$293,492)	(\$277,706)	-8
Apparel and Other Textile Products	(\$4,001,459)	(\$1,910,494)	(\$1,066,760)	-32
Lumber and Wood Products	(\$2,661,569)	(\$964,562)	(\$645,942)	-20
Furniture and Fixtures	(\$20,097)	(\$6,168)	(\$5,499)	0
Paper and Allied Products	(\$3,748,121)	(\$1,284,982)	(\$748,591)	-14
Printing and Publishing	(\$5,126,903)	(\$2,764,304)	(\$1,662,603)	-33
Chemicals and Allied Products	(\$13,210,558)	(\$2,693,089)	(\$2,068,841)	-17
Petroleum Refining	(\$31,872,202)	(\$5,032,684)	(\$1,016,869)	-7
Rubber and Plastic Products	(\$4,001,734)	(\$889,826)	(\$697,781)	-10
Leather and Leather Products	(\$12,687)	(\$5,420)	(\$3,431)	0
Stone, Clay and Glass Products	(\$2,913,169)	(\$1,290,172)	(\$781,581)	-15
Primary Metals	(\$14,716,126)	(\$3,840,700)	(\$3,325,393)	-53
Fabricated Metal Products	(\$8,014,302)	(\$3,226,474)	(\$2,165,299)	-48
Machinery, Except Electrical	(\$14,787,102)	(\$4,730,548)	(\$4,269,380)	-63
Electrical Machinery	(\$10,553,705)	(\$5,147,291)	(\$3,687,653)	-48
Motor Vehicles	(\$12,936,516)	(\$3,778,341)	(\$2,301,356)	-20
Other Transportation Equipment	(\$10,952,831)	(\$5,121,924)	(\$3,508,102)	-66
Instruments	(\$82,521)	(\$23,704)	(\$27,633)	-1
Miscellaneous Manufacturing	(\$64,224)	(\$16,369)	(\$15,267)	0
Transportation and Warehousing	(\$37,059,690)	(\$19,083,216)	(\$13,689,125)	-261
Communication	(\$8,505,354)	(\$5,408,285)	(\$2,543,125)	-35
Electric Utilities	(\$24,034,316)	(\$4,609,368)	(\$2,214,807)	-10
Gas Utilities	(\$7,282,818)	(\$932,785)	(\$458,651)	-2
Trade	(\$186,382,688)	(\$131,173,103)	(\$80,246,401)	-2,647
Finance, Insurance, and Real Estate	(\$82,405,707)	(\$30,330,222)	(\$11,350,859)	-150
Other Services	(\$144,671,302)	(\$86,929,488)	(\$75,105,695)	-1,715
Government Enterprises	(\$3,015,964)	(\$1,839,676)	(\$1,469,572)	-32
Total	(\$867,380,270)	(\$397,253,741)	(\$269,297,396)	-6,689

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.9
The Gross Potential Impact of Efficiency Gains from Construction of Other
Priority Corridors in the TTC Conceptual Plan on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$523,226,534	\$164,436,292	\$87,273,813	6,525
Metal Mining	\$180,811,401	\$74,337,147	\$63,675,427	1,188
Coal Mining	\$384,486,746	\$71,120,586	\$104,457,979	1,753
Crude Petroleum & Natural Gas	\$557,921,449	\$135,056,429	\$55,427,031	223
Nonmetallic Mineral Mining	\$166,034,694	\$57,359,876	\$43,219,023	1,113
Construction	\$1,262,037,926	\$531,753,208	\$429,895,243	9,163
Food & Kindred Products	\$582,754,390	\$124,489,989	\$64,842,329	1,718
Tobacco Manufactures	\$17,232	\$2,799	\$2,112	0
Textile Mill products	\$21,174,374	\$4,558,069	\$4,312,902	118
Apparel & Other Textile Products	\$62,062,276	\$29,631,600	\$16,545,361	494
Lumber & Wood Products	\$41,298,259	\$14,966,638	\$10,022,772	303
Furniture & Fixtures	\$311,825	\$95,697	\$85,326	3
Paper & Allied Products	\$58,183,133	\$19,947,128	\$11,620,592	213
Printing & Publishing	\$79,559,257	\$42,896,455	\$25,800,260	516
Chemicals & Allied Products	\$205,143,524	\$41,820,326	\$32,126,528	259
Petroleum Refining	\$495,145,386	\$78,184,442	\$15,797,402	108
Rubber & Plastic Products	\$62,117,760	\$13,812,513	\$10,831,451	148
Leather & Leather Products	\$196,652	\$84,006	\$53,176	1
Stone, Clay & Glass Products	\$45,169,608	\$20,004,518	\$12,118,657	234
Primary Metals	\$228,589,130	\$59,658,513	\$51,654,131	823
Fabricated Metal Products	\$124,381,537	\$50,074,708	\$33,605,321	747
Machinery, Except Electrical	\$229,404,252	\$73,388,815	\$66,234,330	982
Electrical Machinery	\$163,858,049	\$79,917,442	\$57,254,922	750
Motor Vehicles	\$200,708,468	\$58,620,504	\$35,705,265	318
Other Transportation Equipment	\$169,962,696	\$79,480,452	\$54,437,660	1,021
Instruments	\$1,281,187	\$368,014	\$429,020	8
Miscellaneous Manufacturing	\$996,358	\$253,948	\$236,856	3
Transportation & Warehousing	\$573,899,998	\$295,519,416	\$211,987,441	4,036
Communication	\$132,140,622	\$84,024,023	\$39,510,422	537
Electric Utilities	\$385,496,082	\$73,931,517	\$35,524,190	161
Gas Utilities	\$113,144,446	\$14,491,563	\$7,125,515	32
Trade	\$2,893,041,217	\$2,036,075,335	\$1,245,588,559	41,090
Finance, Insurance, & Real Estate	\$1,278,561,313	\$470,586,935	\$176,113,639	2,333
Other Services	\$2,245,620,337	\$1,349,338,972	\$1,165,807,405	26,618
Government Enterprises	\$46,806,147	\$28,550,793	\$22,806,970	501
Total	\$13,515,544,267	\$6,178,838,671	\$4,192,129,028	104,040

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.10
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for Other Priority Corridor Construction Projects in the TTC Conceptual Plan on Business Activity in Texas—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$37,919,913)	(\$11,917,228)	(\$6,325,014)	-473
Metal Mining	(\$13,103,985)	(\$5,387,453)	(\$4,614,763)	-86
Coal Mining	(\$27,864,994)	(\$5,154,338)	(\$7,570,406)	-127
Crude Petroleum & Natural Gas	(\$40,434,365)	(\$9,787,975)	(\$4,016,976)	-16
Nonmetallic Mineral Mining	(\$12,033,069)	(\$4,157,055)	(\$3,132,222)	-81
Construction	(\$91,463,955)	(\$38,537,869)	(\$31,155,894)	-664
Food & Kindred Products	(\$42,234,089)	(\$9,022,191)	(\$4,699,333)	-125
Tobacco Manufactures	(\$1,249)	(\$203)	(\$153)	0
Textile Mill products	(\$1,534,575)	(\$330,338)	(\$312,570)	-9
Apparel & Other Textile Products	(\$4,497,853)	(\$2,147,498)	(\$1,199,096)	-36
Lumber & Wood Products	(\$2,993,018)	(\$1,084,680)	(\$726,383)	-22
Furniture & Fixtures	(\$22,599)	(\$6,935)	(\$6,184)	0
Paper & Allied Products	(\$4,216,719)	(\$1,445,633)	(\$842,182)	-15
Printing & Publishing	(\$5,765,916)	(\$3,108,844)	(\$1,869,828)	-37
Chemicals & Allied Products	(\$14,867,412)	(\$3,030,854)	(\$2,328,313)	-19
Petroleum Refining	(\$35,884,782)	(\$5,666,278)	(\$1,144,889)	-8
Rubber & Plastic Products	(\$4,501,874)	(\$1,001,037)	(\$784,990)	-11
Leather & Leather Products	(\$14,252)	(\$6,088)	(\$3,854)	0
Stone, Clay & Glass Products	(\$3,273,587)	(\$1,449,792)	(\$878,278)	-17
Primary Metals	(\$16,566,591)	(\$4,323,645)	(\$3,743,541)	-60
Fabricated Metal Products	(\$9,014,331)	(\$3,629,075)	(\$2,435,486)	-54
Machinery, Except Electrical	(\$16,625,665)	(\$5,318,724)	(\$4,800,215)	-71
Electrical Machinery	(\$11,875,321)	(\$5,791,875)	(\$4,149,449)	-54
Motor Vehicles	(\$14,545,989)	(\$4,248,417)	(\$2,587,676)	-23
Other Transportation Equipment	(\$12,317,744)	(\$5,760,204)	(\$3,945,273)	-74
Instruments	(\$92,852)	(\$26,671)	(\$31,092)	-1
Miscellaneous Manufacturing	(\$72,209)	(\$18,404)	(\$17,166)	0
Transportation & Warehousing	(\$41,592,382)	(\$21,417,244)	(\$15,363,413)	-293
Communication	(\$9,576,657)	(\$6,089,492)	(\$2,863,448)	-39
Electric Utilities	(\$27,938,143)	(\$5,358,055)	(\$2,574,552)	-12
Gas Utilities	(\$8,199,943)	(\$1,050,250)	(\$516,409)	-2
Trade	(\$209,668,020)	(\$147,560,941)	(\$90,271,817)	-2,978
Finance, Insurance, & Real Estate	(\$92,661,459)	(\$34,104,952)	(\$12,763,523)	-169
Other Services	(\$162,747,342)	(\$97,790,944)	(\$84,489,819)	-1,929
Government Enterprises	(\$3,392,192)	(\$2,069,168)	(\$1,652,895)	-36
Total	(\$979,515,047)	(\$447,800,350)	(\$303,817,100)	-7,540

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.11
The Gross Potential Impact of Efficiency Gains from Construction of Other
Non-Priority Corridors in the TTC Conceptual Plan on Business Activity in
Texas—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person- Years)
Agriculture, Forestry & Fisheries	\$970,347,390	\$304,954,579	\$161,853,252	12,100
Metal Mining	\$335,322,962	\$137,861,619	\$118,088,974	2,203
Coal Mining	\$713,048,148	\$131,896,359	\$193,722,070	3,250
Crude Petroleum & Natural Gas	\$1,034,690,687	\$250,468,286	\$102,791,948	413
Nonmetallic Mineral Mining	\$307,918,887	\$106,376,498	\$80,151,643	2,064
Construction	\$2,340,506,699	\$986,160,495	\$797,260,269	16,993
Food & Kindred Products	\$1,080,744,504	\$230,872,344	\$120,253,047	3,187
Tobacco Manufactures	\$31,958	\$5,191	\$3,916	0
Textile Mill products	\$39,268,839	\$8,453,146	\$7,998,473	219
Apparel & Other Textile Products	\$115,097,311	\$54,953,149	\$30,684,123	916
Lumber & Wood Products	\$76,589,499	\$27,756,311	\$18,587,687	562
Furniture & Fixtures	\$578,294	\$177,475	\$158,240	5
Paper & Allied Products	\$107,903,264	\$36,992,856	\$21,550,917	395
Printing & Publishing	\$147,546,258	\$79,553,426	\$47,847,755	957
Chemicals & Allied Products	\$380,447,990	\$77,557,695	\$59,580,107	480
Petroleum Refining	\$918,269,626	\$144,996,601	\$29,297,001	201
Rubber & Plastic Products	\$115,200,210	\$25,615,933	\$20,087,418	274
Leather & Leather Products	\$364,700	\$155,792	\$98,617	2
Stone, Clay & Glass Products	\$83,769,092	\$37,099,289	\$22,474,600	434
Primary Metals	\$423,928,931	\$110,639,423	\$95,794,934	1,527
Fabricated Metal Products	\$230,671,214	\$92,865,823	\$62,322,595	1,385
Machinery, Except Electrical	\$425,440,613	\$136,102,894	\$122,834,575	1,821
Electrical Machinery	\$303,882,201	\$148,210,529	\$106,181,855	1,392
Motor Vehicles	\$372,222,977	\$108,714,389	\$66,217,037	590
Other Transportation Equipment	\$315,203,545	\$147,400,111	\$100,957,114	1,893
Instruments	\$2,376,020	\$682,499	\$795,637	14
Miscellaneous Manufacturing	\$1,847,791	\$470,958	\$439,260	6
Transportation & Warehousing	\$1,064,323,633	\$548,054,190	\$393,140,346	7,486
Communication	\$245,060,789	\$155,826,371	\$73,273,874	996
Electric Utilities	\$714,920,007	\$137,109,359	\$65,881,224	299
Gas Utilities	\$209,831,518	\$26,875,263	\$13,214,592	60
Trade	\$5,365,276,439	\$3,775,994,258	\$2,310,000,601	76,204
Finance, Insurance, & Real Estate	\$2,371,150,072	\$872,724,862	\$326,610,748	4,326
Other Services	\$4,164,604,989	\$2,502,410,458	\$2,162,042,823	49,365
Government Enterprises	\$86,804,127	\$52,948,744	\$42,296,562	928
Total	\$25,065,191,185	\$11,458,937,171	\$7,774,493,834	192,947

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.12
The Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for Other Non-Priority Corridor Construction Projects in the TTC Conceptual Plan on Business Activity in Texas—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$70,324,202)	(\$22,101,041)	(\$11,730,027)	-877
Metal Mining	(\$24,301,936)	(\$9,991,276)	(\$8,558,288)	-160
Coal Mining	(\$51,676,897)	(\$9,558,954)	(\$14,039,663)	-236
Crude Petroleum & Natural Gas	(\$74,987,368)	(\$18,152,244)	(\$7,449,664)	-30
Nonmetallic Mineral Mining	(\$22,315,874)	(\$7,709,448)	(\$5,808,848)	-150
Construction	(\$169,624,063)	(\$71,470,229)	(\$57,780,021)	-1,232
Food & Kindred Products	(\$78,325,037)	(\$16,732,063)	(\$8,715,126)	-231
Tobacco Manufactures	(\$2,316)	(\$376)	(\$284)	0
Textile Mill products	(\$2,845,939)	(\$612,627)	(\$579,675)	-16
Apparel & Other Textile Products	(\$8,341,473)	(\$3,982,632)	(\$2,223,777)	-66
Lumber & Wood Products	(\$5,550,688)	(\$2,011,589)	(\$1,347,110)	-41
Furniture & Fixtures	(\$41,911)	(\$12,862)	(\$11,468)	0
Paper & Allied Products	(\$7,820,097)	(\$2,680,991)	(\$1,561,864)	-29
Printing & Publishing	(\$10,693,153)	(\$5,765,493)	(\$3,467,681)	-69
Chemicals & Allied Products	(\$27,572,292)	(\$5,620,856)	(\$4,317,962)	-35
Petroleum Refining	(\$66,549,959)	(\$10,508,371)	(\$2,123,248)	-15
Rubber & Plastic Products	(\$8,348,930)	(\$1,856,469)	(\$1,455,800)	-20
Leather & Leather Products	(\$26,431)	(\$11,291)	(\$7,147)	0
Stone, Clay & Glass Products	(\$6,071,016)	(\$2,688,705)	(\$1,628,807)	-31
Primary Metals	(\$30,723,496)	(\$8,018,396)	(\$6,942,568)	-111
Fabricated Metal Products	(\$16,717,486)	(\$6,730,285)	(\$4,516,719)	-100
Machinery, Except Electrical	(\$30,833,052)	(\$9,863,815)	(\$8,902,218)	-132
Electrical Machinery	(\$22,023,322)	(\$10,741,295)	(\$7,695,341)	-101
Motor Vehicles	(\$26,976,199)	(\$7,878,882)	(\$4,798,962)	-43
Other Transportation Equipment	(\$22,843,817)	(\$10,682,561)	(\$7,316,687)	-137
Instruments	(\$172,198)	(\$49,463)	(\$57,662)	-1
Miscellaneous Manufacturing	(\$133,915)	(\$34,132)	(\$31,835)	0
Transportation & Warehousing	(\$77,134,963)	(\$39,719,253)	(\$28,492,148)	-542
Communication	(\$17,760,345)	(\$11,293,239)	(\$5,310,394)	-72
Electric Utilities	(\$51,812,557)	(\$9,936,757)	(\$4,774,625)	-22
Gas Utilities	(\$15,207,166)	(\$1,947,737)	(\$957,704)	-4
Trade	(\$388,838,873)	(\$273,658,472)	(\$167,413,188)	-5,523
Finance, Insurance, & Real Estate	(\$171,844,887)	(\$63,249,183)	(\$23,670,533)	-314
Other Services	(\$301,822,344)	(\$181,357,750)	(\$156,690,211)	-3,578
Government Enterprises	(\$6,290,975)	(\$3,837,366)	(\$3,065,368)	-67
Total	(\$1,816,555,178)	(\$830,466,103)	(\$563,442,621)	-13,983

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.13
The Total Gross Potential Impact of Efficiency Gains from Construction of Other Non-Priority Corridors in the TTC Conceptual Plan on Business Activity in Texas—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	\$2,317,312,325	\$728,270,113	\$386,526,043	28,897
Metal Mining	\$775,128,098	\$318,679,084	\$272,972,902	5,093
Coal Mining	\$1,648,272,613	\$304,889,868	\$447,805,360	7,514
Crude Petroleum & Natural Gas	\$2,469,908,279	\$597,892,395	\$245,374,475	986
Nonmetallic Mineral Mining	\$711,781,203	\$245,898,498	\$185,277,473	4,770
Construction	\$5,596,156,568	\$2,357,911,871	\$1,906,251,023	40,630
Food & Kindred Products	\$2,581,170,423	\$551,398,470	\$287,203,503	7,611
Tobacco Manufactures	\$76,373	\$12,405	\$9,359	0
Textile Mill products	\$93,787,046	\$20,188,923	\$19,103,012	523
Apparel & Other Textile Products	\$275,100,319	\$131,346,498	\$73,339,786	2,190
Lumber & Wood Products	\$183,015,889	\$66,325,618	\$44,416,560	1,342
Furniture & Fixtures	\$1,381,884	\$424,091	\$378,129	12
Paper & Allied Products	\$257,777,535	\$88,374,779	\$51,484,469	944
Printing & Publishing	\$352,552,532	\$190,087,923	\$114,329,209	2,287
Chemicals & Allied Products	\$908,693,813	\$185,245,288	\$142,306,113	1,146
Petroleum Refining	\$2,192,737,151	\$346,237,560	\$69,958,343	480
Rubber & Plastic Products	\$275,215,517	\$61,196,956	\$47,989,227	655
Leather & Leather Products	\$872,018	\$372,507	\$235,798	4
Stone, Clay & Glass Products	\$200,255,248	\$88,688,168	\$53,726,935	1,036
Primary Metals	\$1,012,379,020	\$264,216,530	\$228,766,604	3,647
Fabricated Metal Products	\$551,134,478	\$221,880,987	\$148,905,146	3,309
Machinery, Except Electrical	\$1,016,721,658	\$325,259,873	\$293,551,131	4,353
Electrical Machinery	\$725,888,730	\$354,033,083	\$253,638,455	3,325
Motor Vehicles	\$889,506,309	\$259,796,254	\$158,239,754	1,410
Other Transportation Equipment	\$753,167,447	\$352,207,223	\$241,233,365	4,523
Instruments	\$5,675,751	\$1,630,329	\$1,900,590	35
Miscellaneous Manufacturing	\$4,415,850	\$1,125,494	\$1,049,742	15
Transportation & Warehousing	\$2,546,176,536	\$1,311,107,520	\$940,507,843	17,908
Communication	\$585,162,902	\$372,086,500	\$174,965,374	2,379
Electric Utilities	\$1,676,277,025	\$321,481,097	\$154,472,083	701
Gas Utilities	\$501,048,241	\$64,174,360	\$31,554,593	143
Trade	\$12,818,062,916	\$9,021,144,115	\$5,518,771,190	182,057
Finance, Insurance, & Real Estate	\$5,666,250,154	\$2,085,518,518	\$780,489,697	10,338
Other Services	\$9,949,500,846	\$5,978,414,528	\$5,165,255,038	117,936
Government Enterprises	\$207,401,683	\$126,510,789	\$101,059,458	2,218
Total	\$59,749,964,379	\$27,344,028,215	\$18,543,047,780	460,415

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Table Q.14
The Total Offsetting Potential Impact of Foregone Efficiency Gains from Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for Other Non-Priority Corridor Construction Projects in the TTC Conceptual Plan on Business Activity in Texas—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agriculture, Forestry & Fisheries	(\$167,943,092)	(\$52,780,082)	(\$28,012,788)	-2,094
Metal Mining	(\$56,176,031)	(\$23,095,700)	(\$19,783,226)	-369
Coal Mining	(\$119,455,628)	(\$22,096,351)	(\$32,453,898)	-545
Crude Petroleum & Natural Gas	(\$179,002,212)	(\$43,331,189)	(\$17,783,079)	-71
Nonmetallic Mineral Mining	(\$51,585,077)	(\$17,821,057)	(\$13,427,655)	-346
Construction	(\$405,571,500)	(\$170,885,472)	(\$138,152,155)	-2,945
Food & Kindred Products	(\$187,065,738)	(\$39,961,624)	(\$20,814,563)	-552
Tobacco Manufactures	(\$5,535)	(\$899)	(\$678)	0
Textile Mill products	(\$6,797,049)	(\$1,463,156)	(\$1,384,457)	-38
Apparel & Other Textile Products	(\$19,937,407)	(\$9,519,104)	(\$5,315,171)	-159
Lumber & Wood Products	(\$13,263,751)	(\$4,806,831)	(\$3,219,011)	-97
Furniture & Fixtures	(\$100,150)	(\$30,735)	(\$27,404)	-1
Paper & Allied Products	(\$18,681,969)	(\$6,404,805)	(\$3,731,245)	-68
Printing & Publishing	(\$25,550,618)	(\$13,776,284)	(\$8,285,806)	-166
Chemicals & Allied Products	(\$65,855,969)	(\$13,425,323)	(\$10,313,383)	-83
Petroleum Refining	(\$158,914,727)	(\$25,092,952)	(\$5,070,107)	-35
Rubber & Plastic Products	(\$19,945,755)	(\$4,435,141)	(\$3,477,934)	-47
Leather & Leather Products	(\$63,198)	(\$26,997)	(\$17,089)	0
Stone, Clay & Glass Products	(\$14,513,143)	(\$6,427,517)	(\$3,893,764)	-75
Primary Metals	(\$73,370,370)	(\$19,148,623)	(\$16,579,453)	-264
Fabricated Metal Products	(\$39,942,492)	(\$16,080,430)	(\$10,791,636)	-240
Machinery, Except Electrical	(\$73,685,095)	(\$23,572,631)	(\$21,274,596)	-315
Electrical Machinery	(\$52,607,495)	(\$25,657,918)	(\$18,381,996)	-241
Motor Vehicles	(\$64,465,389)	(\$18,828,272)	(\$11,468,145)	-102
Other Transportation Equipment	(\$54,584,472)	(\$25,525,592)	(\$17,482,959)	-328
Instruments	(\$411,340)	(\$118,155)	(\$137,742)	-3
Miscellaneous Manufacturing	(\$320,031)	(\$81,568)	(\$76,078)	-1
Transportation & Warehousing	(\$184,529,619)	(\$95,020,187)	(\$68,161,634)	-1,298
Communication	(\$42,408,641)	(\$26,966,308)	(\$12,680,304)	-172
Electric Utilities	(\$121,485,198)	(\$23,298,771)	(\$11,195,090)	-51
Gas Utilities	(\$36,312,581)	(\$4,650,923)	(\$2,286,863)	-10
Trade	(\$928,966,326)	(\$653,791,385)	(\$399,963,132)	-13,194
Finance, Insurance, & Real Estate	(\$410,651,408)	(\$151,144,248)	(\$56,564,603)	-749
Other Services	(\$721,072,389)	(\$433,274,966)	(\$374,342,678)	-8,547
Government Enterprises	(\$15,031,068)	(\$9,168,645)	(\$7,324,105)	-161
Total	(\$4,330,272,463)	(\$1,981,709,841)	(\$1,343,874,428)	-33,368

Note: All monetary values are in constant 2005 dollars.

Source: US Multi-Regional Impact Assessment System, The Perryman Group