



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 I

**Potential Impact of Other TTC-35 Construction
and the Total TTC-35 Conceptual Plan on the
TTC-35 Study Area**

Table I.1
The Gross Potential Impact of Construction of Other Aspects of TTC-35
as 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)
Agricultural Products & Services	\$425,552,739	\$119,443,350	\$81,347,592	1,511
Forestry & Fishery Products	\$10,430,079	\$8,045,533	\$2,983,958	46
Coal Mining	\$60,394,641	\$17,631,256	\$18,579,224	147
Crude Petroleum & Natural Gas	\$299,425,295	\$65,772,898	\$30,334,393	174
Miscellaneous Mining	\$152,217,504	\$74,765,539	\$43,950,472	567
New Construction	\$12,396,078,467	\$5,992,050,315	\$4,937,822,660	81,028
Maintenance & Repair Construction	\$671,313,977	\$355,698,706	\$293,117,929	4,811
Food Products & Tobacco	\$1,363,429,255	\$352,689,284	\$180,170,530	3,504
Textile Mill Products	\$19,909,480	\$4,631,682	\$3,918,822	104
Apparel	\$319,174,792	\$176,551,212	\$89,461,202	2,836
Paper & Allied Products	\$225,317,383	\$98,961,272	\$44,739,654	791
Printing & Publishing	\$303,608,526	\$150,169,866	\$98,019,266	1,938
Chemicals & Petroleum Refining	\$697,925,348	\$109,447,501	\$51,391,952	442
Rubber & Leather Products	\$211,286,521	\$91,866,937	\$53,705,006	1,244
Lumber Products & Furniture	\$430,271,611	\$113,458,167	\$80,889,423	1,958
Stone, Clay, & Glass Products	\$776,001,955	\$378,639,948	\$198,030,270	3,755
Primary Metal	\$565,034,522	\$167,517,328	\$124,691,678	2,183
Fabricated Metal Products	\$1,023,978,298	\$393,488,733	\$254,036,823	5,062
Machinery, Except Electrical	\$193,692,880	\$79,060,251	\$56,480,990	700
Electric & Electronic Equipment	\$344,275,299	\$207,519,979	\$124,062,514	1,198
Motor Vehicles & Equipment	\$113,300,769	\$23,818,814	\$15,474,277	254
Transp. Equip., Exc. Motor Vehicles	\$58,320,387	\$25,495,146	\$16,660,173	233
Instruments & Related Products	\$45,641,035	\$19,235,163	\$14,620,466	220
Miscellaneous Manufacturing	\$108,323,644	\$43,571,287	\$30,051,605	554
Transportation	\$1,663,296,091	\$1,103,590,025	\$729,875,050	11,740
Communication	\$841,972,760	\$519,673,419	\$221,865,252	2,285
Electric, Gas, Water, Sanitary Services	\$1,267,070,713	\$285,709,436	\$124,675,972	615
Wholesale Trade	\$1,687,189,829	\$1,142,403,421	\$658,719,976	8,570
Retail Trade	\$3,998,521,851	\$3,313,062,804	\$1,981,105,635	60,429
Finance	\$590,139,385	\$318,934,280	\$185,716,334	1,921
Insurance	\$762,605,519	\$456,425,222	\$272,868,972	3,819
Real Estate	\$4,290,522,903	\$602,309,609	\$97,045,151	1,002
Hotels, Lodging Places, Amusements	\$406,030,388	\$212,227,054	\$139,228,285	3,946
Personal Services	\$769,389,336	\$474,298,023	\$369,011,550	7,237
Business Services	\$3,071,482,096	\$1,949,854,875	\$1,590,581,957	22,520
Eating & Drinking Places	\$1,770,485,566	\$1,036,745,729	\$551,604,079	29,016
Health Services	\$1,340,918,708	\$938,060,717	\$793,139,031	15,244
Miscellaneous Services	\$1,203,978,701	\$494,863,409	\$429,005,372	11,923
Households	\$55,028,984	\$55,028,984	\$53,864,560	4,332
Total	\$44,533,537,239	\$21,972,717,176	\$15,042,848,057	299,859

*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 I.2
The Offsetting Potential Impact of Foregone Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for Other TTC-35 Construction Projects as 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)
Agricultural Products & Services	(\$41,972,004)	(\$11,780,624)	(\$8,023,263)	-149
Forestry & Fishery Products	(\$1,028,712)	(\$793,526)	(\$294,306)	-4
Coal Mining	(\$5,956,686)	(\$1,738,960)	(\$1,832,457)	-14
Crude Petroleum & Natural Gas	(\$29,532,132)	(\$6,487,140)	(\$2,991,862)	-17
Miscellaneous Mining	(\$15,013,118)	(\$7,374,079)	(\$4,334,808)	-56
New Construction	(\$1,222,617,565)	(\$590,992,222)	(\$487,014,400)	-7,992
Maintenance & Repair Construction	(\$66,211,283)	(\$35,082,344)	(\$28,910,040)	-475
Food Products & Tobacco	(\$134,474,185)	(\$34,785,526)	(\$17,770,108)	-346
Textile Mill Products	(\$1,963,660)	(\$456,820)	(\$386,511)	-10
Apparel	(\$31,480,013)	(\$17,413,137)	(\$8,823,503)	-280
Paper & Allied Products	(\$22,222,914)	(\$9,760,489)	(\$4,412,644)	-78
Printing & Publishing	(\$29,944,721)	(\$14,811,161)	(\$9,667,580)	-191
Chemicals & Petroleum Refining	(\$68,835,946)	(\$10,794,739)	(\$5,068,756)	-44
Rubber & Leather Products	(\$20,839,059)	(\$9,060,779)	(\$5,296,892)	-123
Lumber Products & Furniture	(\$42,437,423)	(\$11,190,309)	(\$7,978,074)	-193
Stone, Clay, & Glass Products	(\$76,536,594)	(\$37,345,024)	(\$19,531,603)	-370
Primary Metal	(\$55,729,006)	(\$16,522,131)	(\$12,298,263)	-215
Fabricated Metal Products	(\$100,994,347)	(\$38,809,551)	(\$25,055,495)	-499
Machinery, Except Electrical	(\$19,103,809)	(\$7,797,664)	(\$5,570,685)	-69
Electric & Electronic Equipment	(\$33,955,660)	(\$20,467,567)	(\$12,236,209)	-118
Motor Vehicles & Equipment	(\$11,174,785)	(\$2,349,235)	(\$1,526,218)	-25
Transp. Equip., Exc. Motor Vehicles	(\$5,752,104)	(\$2,514,571)	(\$1,643,183)	-23
Instruments & Related Products	(\$4,501,547)	(\$1,897,152)	(\$1,442,008)	-22
Miscellaneous Manufacturing	(\$10,683,894)	(\$4,297,409)	(\$2,963,971)	-55
Transportation	(\$164,049,866)	(\$108,846,403)	(\$71,987,125)	-1,158
Communication	(\$83,043,253)	(\$51,255,068)	(\$21,882,433)	-225
Electric, Gas, Water, Sanitary Services	(\$124,970,402)	(\$28,179,345)	(\$12,296,714)	-61
Wholesale Trade	(\$166,406,491)	(\$112,674,544)	(\$64,969,144)	-845
Retail Trade	(\$394,371,741)	(\$326,765,339)	(\$195,395,225)	-5,960
Finance	(\$58,205,083)	(\$31,456,291)	(\$18,317,087)	-190
Insurance	(\$75,215,311)	(\$45,016,938)	(\$26,912,898)	-377
Real Estate	(\$423,171,625)	(\$59,405,425)	(\$9,571,503)	-99
Hotels, Lodging Places, Amusements	(\$40,046,526)	(\$20,931,823)	(\$13,732,000)	-389
Personal Services	(\$75,884,395)	(\$46,779,721)	(\$36,395,381)	-714
Business Services	(\$302,938,382)	(\$192,312,982)	(\$156,878,116)	-2,221
Eating & Drinking Places	(\$174,621,898)	(\$102,253,591)	(\$54,404,370)	-2,862
Health Services	(\$132,253,984)	(\$92,520,349)	(\$78,226,813)	-1,503
Miscellaneous Services	(\$118,747,676)	(\$48,808,072)	(\$42,312,535)	-1,176
Households	(\$5,427,475)	(\$5,427,475)	(\$5,312,628)	-427
Total	(\$4,392,315,278)	(\$2,167,155,527)	(\$1,483,666,815)	-29,575

*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 I.3
The Total Gross Potential Impact of 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)
Agricultural Products & Services	\$836,144,226	\$245,603,314	\$167,269,566	3,106
Forestry & Fishery Products	\$19,031,144	\$15,462,104	\$5,734,632	88
Coal Mining	\$118,044,027	\$34,345,444	\$36,192,044	286
Crude Petroleum & Natural Gas	\$640,859,885	\$140,378,180	\$64,742,267	370
Miscellaneous Mining	\$409,508,635	\$202,802,200	\$119,216,063	1,538
New Construction	\$23,603,112,867	\$10,567,550,658	\$8,708,319,919	142,901
Maintenance & Repair Construction	\$1,314,617,368	\$697,807,538	\$575,036,952	9,438
Food Products & Tobacco	\$2,614,557,711	\$676,758,695	\$345,720,673	6,723
Textile Mill Products	\$38,348,190	\$8,915,011	\$7,542,909	198
Apparel	\$611,301,636	\$338,925,051	\$171,738,509	5,444
Paper & Allied Products	\$436,505,210	\$192,235,698	\$86,908,342	1,537
Printing & Publishing	\$597,357,733	\$295,467,974	\$192,858,635	3,813
Chemicals & Petroleum Refining	\$1,566,565,537	\$246,548,993	\$115,769,053	995
Rubber & Leather Products	\$402,005,736	\$175,451,434	\$102,568,135	2,376
Lumber Products & Furniture	\$621,086,211	\$170,690,264	\$121,692,763	2,945
Stone, Clay, & Glass Products	\$1,987,649,268	\$942,324,905	\$492,839,857	9,346
Primary Metal	\$943,070,700	\$279,540,301	\$208,076,077	3,642
Fabricated Metal Products	\$1,904,219,759	\$730,202,895	\$471,419,926	9,395
Machinery, Except Electrical	\$339,725,079	\$140,306,926	\$100,235,885	1,242
Electric & Electronic Equipment	\$575,671,737	\$339,152,774	\$202,757,099	1,958
Motor Vehicles & Equipment	\$217,479,146	\$45,801,338	\$29,755,585	489
Transp. Equip., Exc. Motor Vehicles	\$111,603,897	\$48,109,635	\$31,437,938	438
Instruments & Related Products	\$81,512,988	\$34,145,476	\$25,953,666	393
Miscellaneous Manufacturing	\$241,481,607	\$101,519,244	\$70,018,970	1,292
Transportation	\$3,271,604,777	\$2,164,234,727	\$1,431,347,589	23,024
Communication	\$1,641,117,706	\$1,012,382,620	\$432,218,615	4,451
Electric, Gas, Water, Sanitary Services	\$2,453,058,453	\$552,510,851	\$241,101,014	1,190
Wholesale Trade	\$3,252,396,166	\$2,201,658,509	\$1,269,495,880	16,518
Retail Trade	\$7,638,217,414	\$6,328,550,030	\$3,784,270,565	115,430
Finance	\$1,143,595,873	\$617,859,075	\$359,781,102	3,722
Insurance	\$1,464,754,446	\$876,207,348	\$523,831,266	7,332
Real Estate	\$8,264,689,977	\$1,173,951,565	\$189,149,067	1,953
Hotels, Lodging Places, Amusements	\$788,821,202	\$412,000,080	\$270,286,287	7,661
Personal Services	\$1,473,977,184	\$908,436,093	\$706,778,006	13,859
Business Services	\$6,881,976,941	\$4,389,211,784	\$3,580,472,115	50,694
Eating & Drinking Places	\$3,407,445,385	\$1,995,569,463	\$1,061,749,504	55,850
Health Services	\$2,566,220,079	\$1,795,543,835	\$1,518,148,969	29,178
Miscellaneous Services	\$2,349,631,071	\$963,500,255	\$835,274,483	23,216
Households	\$104,967,971	\$104,967,971	\$102,746,834	8,263
Total	\$86,933,934,944	\$42,166,630,261	\$28,760,456,762	572,296

*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 I.4
The Total Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$82,468,389)	(\$24,223,703)	(\$16,497,694)	-306
Forestry & Fishery Products	(\$1,877,030)	(\$1,525,018)	(\$565,603)	-9
Coal Mining	(\$11,642,609)	(\$3,387,470)	(\$3,569,599)	-28
Crude Petroleum & Natural Gas	(\$63,207,615)	(\$13,845,413)	(\$6,385,490)	-36
Miscellaneous Mining	(\$40,389,584)	(\$20,002,256)	(\$11,758,207)	-152
New Construction	(\$2,327,960,447)	(\$1,042,270,996)	(\$858,896,216)	-14,094
Maintenance & Repair Construction	(\$129,659,899)	(\$68,824,327)	(\$56,715,539)	-931
Food Products & Tobacco	(\$257,872,213)	(\$66,748,292)	(\$34,098,216)	-663
Textile Mill Products	(\$3,782,258)	(\$879,282)	(\$743,952)	-20
Apparel	(\$60,292,303)	(\$33,427,969)	(\$16,938,463)	-537
Paper & Allied Products	(\$43,052,239)	(\$18,960,088)	(\$8,571,716)	-152
Printing & Publishing	(\$58,917,024)	(\$29,141,824)	(\$19,021,528)	-376
Chemicals & Petroleum Refining	(\$154,509,392)	(\$24,316,975)	(\$11,418,230)	-98
Rubber & Leather Products	(\$39,649,578)	(\$17,304,667)	(\$10,116,232)	-234
Lumber Products & Furniture	(\$61,257,349)	(\$16,835,075)	(\$12,002,482)	-290
Stone, Clay, & Glass Products	(\$196,040,620)	(\$92,940,923)	(\$48,608,491)	-922
Primary Metal	(\$93,014,481)	(\$27,570,887)	(\$20,522,415)	-359
Fabricated Metal Products	(\$187,812,019)	(\$72,019,461)	(\$46,495,856)	-927
Machinery, Except Electrical	(\$33,506,875)	(\$13,838,385)	(\$9,886,203)	-123
Electric & Electronic Equipment	(\$56,778,148)	(\$33,450,429)	(\$19,997,807)	-193
Motor Vehicles & Equipment	(\$21,449,834)	(\$4,517,358)	(\$2,934,775)	-48
Transp. Equip., Exc. Motor Vehicles	(\$11,007,423)	(\$4,745,024)	(\$3,100,704)	-43
Instruments & Related Products	(\$8,039,576)	(\$3,367,747)	(\$2,559,794)	-39
Miscellaneous Manufacturing	(\$23,817,182)	(\$10,012,780)	(\$6,905,928)	-127
Transportation	(\$322,676,359)	(\$213,457,135)	(\$141,172,929)	-2,271
Communication	(\$161,862,426)	(\$99,850,673)	(\$42,629,455)	-439
Electric, Gas, Water, Sanitary Services	(\$241,943,640)	(\$54,493,804)	(\$23,779,644)	-117
Wholesale Trade	(\$320,781,825)	(\$217,148,219)	(\$125,209,595)	-1,629
Retail Trade	(\$753,352,667)	(\$624,180,982)	(\$373,240,269)	-11,385
Finance	(\$112,792,155)	(\$60,939,059)	(\$35,484,988)	-367
Insurance	(\$144,467,826)	(\$86,419,790)	(\$51,665,154)	-723
Real Estate	(\$815,141,269)	(\$115,786,118)	(\$18,655,656)	-193
Hotels, Lodging Places, Amusements	(\$77,800,948)	(\$40,635,313)	(\$26,658,170)	-756
Personal Services	(\$145,377,459)	(\$89,598,491)	(\$69,709,078)	-1,367
Business Services	(\$678,765,136)	(\$432,905,248)	(\$353,139,754)	-5,000
Eating & Drinking Places	(\$336,074,234)	(\$196,821,784)	(\$104,719,698)	-5,508
Health Services	(\$253,104,702)	(\$177,093,380)	(\$149,734,095)	-2,878
Miscellaneous Services	(\$231,742,662)	(\$95,029,435)	(\$82,382,606)	-2,290
Households	(\$10,352,926)	(\$10,352,926)	(\$10,133,857)	-815
Total	(\$8,574,240,321)	(\$4,158,868,704)	(\$2,836,626,091)	-56,445

*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 J

**Potential Impact of Other TTC-35 Construction,
the Total TTC-35 Conceptual Plan, the Total
TTC-69 Conceptual Plan, and
Other Corridors on Texas**

Table J.1
The Gross Potential Impact of Construction of Other Aspects of TTC-35
as Outlined in the Conceptual Plan on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$658,347,369	\$184,733,349	\$125,813,685	2,338
Forestry & Fishery Products	\$17,931,959	\$13,872,516	\$5,145,056	75
Coal Mining	\$76,310,731	\$22,275,297	\$23,472,953	183
Crude Petroleum & Natural Gas	\$591,112,370	\$129,840,946	\$59,882,503	342
Miscellaneous Mining	\$152,317,366	\$74,808,444	\$43,975,690	568
New Construction	\$12,396,078,467	\$5,992,050,315	\$4,937,822,660	81,028
Maintenance & Repair Construction	\$721,651,574	\$382,239,859	\$314,989,453	5,169
Food Products & Tobacco	\$1,382,466,500	\$357,596,665	\$182,677,466	3,552
Textile Mill Products	\$20,063,707	\$4,666,878	\$3,948,563	104
Apparel	\$321,313,038	\$177,733,531	\$90,060,303	2,857
Paper & Allied Products	\$231,194,121	\$101,548,533	\$45,909,343	810
Printing & Publishing	\$306,212,314	\$151,488,320	\$98,879,826	1,954
Chemicals & Petroleum Refining	\$1,824,968,220	\$286,136,043	\$134,357,478	1,155
Rubber & Leather Products	\$212,699,812	\$92,474,695	\$54,060,297	1,252
Lumber Products & Furniture	\$430,855,749	\$113,663,074	\$81,035,486	1,960
Stone, Clay, & Glass Products	\$776,760,707	\$379,060,482	\$198,250,215	3,759
Primary Metal	\$616,539,970	\$182,775,172	\$136,048,887	2,382
Fabricated Metal Products	\$1,296,840,806	\$498,303,884	\$321,705,616	6,410
Machinery, Except Electrical	\$205,079,718	\$83,701,101	\$59,796,407	740
Electric & Electronic Equipment	\$345,201,451	\$208,007,665	\$124,354,070	1,200
Motor Vehicles & Equipment	\$114,046,415	\$23,986,721	\$15,583,343	256
Transp. Equip., Exc. Motor Vehicles	\$58,644,401	\$25,633,837	\$16,750,792	235
Instruments & Related Products	\$45,901,775	\$19,342,119	\$14,701,757	221
Miscellaneous Manufacturing	\$108,921,552	\$43,807,163	\$30,214,316	558
Transportation	\$1,672,071,354	\$1,109,622,405	\$733,864,643	11,805
Communication	\$851,124,164	\$525,327,846	\$224,279,313	2,307
Electric, Gas, Water, Sanitary Services	\$1,762,179,035	\$397,715,325	\$173,552,355	856
Wholesale Trade	\$1,696,609,651	\$1,148,777,829	\$662,395,541	8,618
Retail Trade	\$4,056,871,504	\$3,361,413,579	\$2,010,017,846	61,313
Finance	\$594,108,592	\$321,030,598	\$186,937,055	1,933
Insurance	\$768,058,096	\$459,688,717	\$274,820,042	3,846
Real Estate	\$4,344,947,926	\$607,655,457	\$97,906,479	1,011
Hotels, Lodging Places, Amusements	\$410,660,911	\$214,665,958	\$140,828,302	3,992
Personal Services	\$809,708,244	\$498,800,658	\$388,074,962	7,609
Business Services	\$3,083,656,931	\$1,957,021,659	\$1,596,428,199	22,603
Eating & Drinking Places	\$1,795,802,451	\$1,051,572,374	\$559,492,629	29,432
Health Services	\$1,363,400,820	\$953,886,511	\$806,519,865	15,501
Miscellaneous Services	\$1,227,028,804	\$504,293,938	\$437,180,848	12,151
Households	\$61,681,918	\$61,681,918	\$60,376,728	4,856
Total	\$47,409,370,495	\$22,722,901,381	\$15,472,110,970	306,942

Note: All monetary values are in constant 2005 dollars.

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

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

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	(\$64,932,394)	(\$18,220,136)	(\$12,408,926)	-231
Forestry & Fishery Products	(\$1,768,618)	(\$1,368,238)	(\$507,454)	-7
Coal Mining	(\$7,526,480)	(\$2,196,999)	(\$2,315,123)	-18
Crude Petroleum & Natural Gas	(\$58,301,048)	(\$12,806,132)	(\$5,906,174)	-34
Miscellaneous Mining	(\$15,022,968)	(\$7,378,311)	(\$4,337,295)	-56
New Construction	(\$1,222,617,565)	(\$590,992,222)	(\$487,014,400)	-7,992
Maintenance & Repair Construction	(\$71,176,049)	(\$37,700,081)	(\$31,067,215)	-510
Food Products & Tobacco	(\$136,351,817)	(\$35,269,538)	(\$18,017,366)	-350
Textile Mill Products	(\$1,978,871)	(\$460,291)	(\$389,444)	-10
Apparel	(\$31,690,907)	(\$17,529,748)	(\$8,882,592)	-282
Paper & Allied Products	(\$22,802,533)	(\$10,015,669)	(\$4,528,010)	-80
Printing & Publishing	(\$30,201,531)	(\$14,941,199)	(\$9,752,456)	-193
Chemicals & Petroleum Refining	(\$179,995,489)	(\$28,221,421)	(\$13,251,595)	-114
Rubber & Leather Products	(\$20,978,451)	(\$9,120,722)	(\$5,331,934)	-124
Lumber Products & Furniture	(\$42,495,037)	(\$11,210,519)	(\$7,992,480)	-193
Stone, Clay, & Glass Products	(\$76,611,429)	(\$37,386,501)	(\$19,553,296)	-371
Primary Metal	(\$60,808,957)	(\$18,027,002)	(\$13,418,418)	-235
Fabricated Metal Products	(\$127,906,608)	(\$49,147,404)	(\$31,729,626)	-632
Machinery, Except Electrical	(\$20,226,886)	(\$8,255,388)	(\$5,897,683)	-73
Electric & Electronic Equipment	(\$34,047,006)	(\$20,515,668)	(\$12,264,965)	-118
Motor Vehicles & Equipment	(\$11,248,327)	(\$2,365,795)	(\$1,536,976)	-25
Transp. Equip., Exc. Motor Vehicles	(\$5,784,061)	(\$2,528,249)	(\$1,652,120)	-23
Instruments & Related Products	(\$4,527,264)	(\$1,907,701)	(\$1,450,025)	-22
Miscellaneous Manufacturing	(\$10,742,865)	(\$4,320,673)	(\$2,980,019)	-55
Transportation	(\$164,915,365)	(\$109,441,373)	(\$72,380,617)	-1,164
Communication	(\$83,945,851)	(\$51,812,761)	(\$22,120,530)	-228
Electric, Gas, Water, Sanitary Services	(\$173,802,630)	(\$39,226,417)	(\$17,117,362)	-84
Wholesale Trade	(\$167,335,562)	(\$113,303,248)	(\$65,331,663)	-850
Retail Trade	(\$400,126,731)	(\$331,534,146)	(\$198,246,819)	-6,047
Finance	(\$58,596,564)	(\$31,663,050)	(\$18,437,486)	-191
Insurance	(\$75,753,096)	(\$45,338,814)	(\$27,105,331)	-379
Real Estate	(\$428,539,531)	(\$59,932,683)	(\$9,656,456)	-100
Hotels, Lodging Places, Amusements	(\$40,503,232)	(\$21,172,371)	(\$13,889,809)	-394
Personal Services	(\$79,861,024)	(\$49,196,401)	(\$38,275,594)	-750
Business Services	(\$304,139,179)	(\$193,019,838)	(\$157,454,727)	-2,229
Eating & Drinking Places	(\$177,118,887)	(\$103,715,934)	(\$55,182,412)	-2,903
Health Services	(\$134,471,381)	(\$94,081,238)	(\$79,546,556)	-1,529
Miscellaneous Services	(\$121,021,093)	(\$49,738,200)	(\$43,118,877)	-1,198
Households	(\$6,083,650)	(\$6,083,650)	(\$5,954,919)	-479
Total	(\$4,675,956,936)	(\$2,241,145,732)	(\$1,526,004,751)	-30,274

Note: All monetary values are in constant 2005 dollars.

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

Table J.3
The Total Gross Potential Impact of 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)
Agricultural Products & Services	\$1,294,089,390	\$379,859,088	\$258,705,185	4,808
Forestry & Fishery Products	\$32,753,321	\$26,681,415	\$9,895,624	145
Coal Mining	\$149,233,730	\$43,416,816	\$45,751,167	356
Crude Petroleum & Natural Gas	\$1,264,820,374	\$277,049,492	\$127,774,918	729
Miscellaneous Mining	\$409,714,235	\$202,890,537	\$119,267,965	1,539
New Construction	\$23,603,112,867	\$10,567,550,658	\$8,708,319,919	142,901
Maintenance & Repair Construction	\$1,413,947,958	\$750,249,560	\$618,252,358	10,144
Food Products & Tobacco	\$2,652,722,752	\$686,598,167	\$350,747,157	6,821
Textile Mill Products	\$38,665,745	\$8,987,448	\$7,604,131	201
Apparel	\$615,704,345	\$341,359,462	\$172,972,079	5,487
Paper & Allied Products	\$448,115,352	\$197,356,925	\$89,223,618	1,576
Printing & Publishing	\$602,719,021	\$298,182,706	\$194,630,557	3,845
Chemicals & Petroleum Refining	\$4,094,524,140	\$644,284,504	\$302,528,960	2,600
Rubber & Leather Products	\$404,915,748	\$176,702,812	\$103,299,675	2,393
Lumber Products & Furniture	\$622,288,959	\$171,112,172	\$121,993,507	2,951
Stone, Clay, & Glass Products	\$1,989,211,560	\$943,190,795	\$493,292,717	9,354
Primary Metal	\$1,029,274,167	\$305,067,412	\$227,077,239	3,976
Fabricated Metal Products	\$2,411,950,994	\$924,822,769	\$597,066,760	11,896
Machinery, Except Electrical	\$359,988,354	\$148,651,879	\$106,197,500	1,314
Electric & Electronic Equipment	\$577,578,692	\$340,156,932	\$203,357,416	1,962
Motor Vehicles & Equipment	\$219,014,451	\$46,147,066	\$29,980,146	493
Transp. Equip., Exc. Motor Vehicles	\$112,271,035	\$48,395,219	\$31,624,520	444
Instruments & Related Products	\$82,049,855	\$34,365,668	\$26,121,018	393
Miscellaneous Manufacturing	\$242,712,715	\$102,004,912	\$70,353,985	1,299
Transportation	\$3,289,673,341	\$2,176,655,601	\$1,439,562,319	23,157
Communication	\$1,659,960,746	\$1,024,025,291	\$437,189,245	4,496
Electric, Gas, Water, Sanitary Services	\$3,422,576,629	\$771,418,166	\$336,626,305	1,660
Wholesale Trade	\$3,271,791,904	\$2,214,783,620	\$1,277,063,972	16,615
Retail Trade	\$7,758,361,354	\$6,428,105,922	\$3,843,801,809	117,251
Finance	\$1,151,768,628	\$622,175,465	\$362,294,593	3,746
Insurance	\$1,475,981,496	\$882,927,033	\$527,848,576	7,389
Real Estate	\$8,376,752,971	\$1,184,958,826	\$190,922,577	1,970
Hotels, Lodging Places, Amusements	\$798,355,607	\$417,021,861	\$273,580,793	7,754
Personal Services	\$1,553,230,917	\$956,610,575	\$744,258,460	14,592
Business Services	\$6,907,045,342	\$4,403,968,431	\$3,592,509,756	50,864
Eating & Drinking Places	\$3,459,573,712	\$2,026,098,013	\$1,077,992,280	56,708
Health Services	\$2,611,600,205	\$1,827,501,842	\$1,545,169,716	29,697
Miscellaneous Services	\$2,395,986,232	\$982,408,721	\$851,666,541	23,672
Households	\$117,714,318	\$117,714,318	\$115,223,461	9,267
Total	\$92,921,753,162	\$43,701,458,098	\$29,631,748,525	586,468

Note: All monetary values are in constant 2005 dollars.

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

Table J.4
The Total Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$127,635,237)	(\$37,465,267)	(\$25,515,933)	-474
Forestry & Fishery Products	(\$3,230,440)	(\$2,631,571)	(\$975,999)	-14
Coal Mining	(\$14,718,831)	(\$4,282,174)	(\$4,512,409)	-35
Crude Petroleum & Natural Gas	(\$124,748,452)	(\$27,325,220)	(\$12,602,361)	-72
Miscellaneous Mining	(\$40,409,862)	(\$20,010,968)	(\$11,763,326)	-152
New Construction	(\$2,327,960,447)	(\$1,042,270,996)	(\$858,896,216)	-14,094
Maintenance & Repair Construction	(\$139,456,814)	(\$73,996,651)	(\$60,977,848)	-1,000
Food Products & Tobacco	(\$261,636,407)	(\$67,718,753)	(\$34,593,976)	-673
Textile Mill Products	(\$3,813,579)	(\$886,426)	(\$749,991)	-20
Apparel	(\$60,726,539)	(\$33,668,073)	(\$17,060,129)	-541
Paper & Allied Products	(\$44,197,340)	(\$19,465,192)	(\$8,800,070)	-155
Printing & Publishing	(\$59,445,805)	(\$29,409,576)	(\$19,196,292)	-379
Chemicals & Petroleum Refining	(\$403,840,387)	(\$63,545,383)	(\$29,838,244)	-256
Rubber & Leather Products	(\$39,936,590)	(\$17,428,089)	(\$10,188,383)	-236
Lumber Products & Furniture	(\$61,375,976)	(\$16,876,688)	(\$12,032,144)	-291
Stone, Clay, & Glass Products	(\$196,194,708)	(\$93,026,326)	(\$48,653,156)	-923
Primary Metal	(\$101,516,675)	(\$30,088,610)	(\$22,396,488)	-392
Fabricated Metal Products	(\$237,889,237)	(\$91,214,699)	(\$58,888,326)	-1,173
Machinery, Except Electrical	(\$35,505,429)	(\$14,661,443)	(\$10,474,194)	-130
Electric & Electronic Equipment	(\$56,966,230)	(\$33,549,468)	(\$20,057,016)	-194
Motor Vehicles & Equipment	(\$21,601,260)	(\$4,551,457)	(\$2,956,923)	-49
Transp. Equip., Exc. Motor Vehicles	(\$11,073,223)	(\$4,773,191)	(\$3,119,107)	-44
Instruments & Related Products	(\$8,092,527)	(\$3,389,465)	(\$2,576,300)	-39
Miscellaneous Manufacturing	(\$23,938,605)	(\$10,060,681)	(\$6,938,970)	-128
Transportation	(\$324,458,450)	(\$214,682,198)	(\$141,983,143)	-2,284
Communication	(\$163,720,903)	(\$100,998,982)	(\$43,119,705)	-443
Electric, Gas, Water, Sanitary Services	(\$337,566,619)	(\$76,084,497)	(\$33,201,245)	-164
Wholesale Trade	(\$322,694,815)	(\$218,442,741)	(\$125,956,031)	-1,639
Retail Trade	(\$765,202,389)	(\$634,000,118)	(\$379,111,799)	-11,564
Finance	(\$113,598,229)	(\$61,364,782)	(\$35,732,892)	-369
Insurance	(\$145,575,144)	(\$87,082,548)	(\$52,061,379)	-729
Real Estate	(\$826,193,973)	(\$116,871,757)	(\$18,830,576)	-194
Hotels, Lodging Places, Amusements	(\$78,741,321)	(\$41,130,609)	(\$26,983,105)	-765
Personal Services	(\$153,194,206)	(\$94,349,910)	(\$73,405,752)	-1,439
Business Services	(\$681,237,617)	(\$434,360,687)	(\$354,327,019)	-5,017
Eating & Drinking Places	(\$341,215,619)	(\$199,832,796)	(\$106,321,713)	-5,593
Health Services	(\$257,580,516)	(\$180,245,378)	(\$152,399,135)	-2,929
Miscellaneous Services	(\$236,314,643)	(\$96,894,365)	(\$83,999,345)	-2,335
Households	(\$11,610,091)	(\$11,610,091)	(\$11,364,419)	-914
Total	(\$9,164,815,134)	(\$4,310,247,826)	(\$2,922,561,059)	-57,843

Note: All monetary values are in constant 2005 dollars.

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

Table J.5
The Gross Potential Impact of 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)
Agricultural Products & Services	\$646,116,813	\$173,125,040	\$117,907,779	2,191
Forestry & Fishery Products	\$19,243,254	\$13,886,079	\$5,150,083	75
Coal Mining	\$75,437,209	\$22,075,711	\$23,262,647	181
Crude Petroleum & Natural Gas	\$527,369,868	\$116,229,743	\$53,605,035	306
Miscellaneous Mining	\$97,217,583	\$46,870,800	\$27,552,717	355
New Construction	\$11,957,624,785	\$6,255,512,667	\$5,154,932,045	84,591
Maintenance & Repair Construction	\$709,432,790	\$375,249,218	\$309,228,727	5,075
Food Products & Tobacco	\$1,388,802,666	\$358,844,192	\$183,314,766	3,564
Textile Mill Products	\$20,083,114	\$4,664,542	\$3,946,570	104
Apparel	\$322,948,672	\$178,079,196	\$90,235,448	2,864
Paper & Allied Products	\$231,806,161	\$101,456,219	\$45,867,607	809
Printing & Publishing	\$304,615,545	\$150,485,066	\$98,224,965	1,942
Chemicals & Petroleum Refining	\$1,535,619,368	\$239,864,752	\$112,630,424	968
Rubber & Leather Products	\$211,836,065	\$91,988,011	\$53,775,786	1,245
Lumber Products & Furniture	\$573,894,257	\$146,733,666	\$104,612,990	2,530
Stone, Clay, & Glass Products	\$491,908,987	\$254,827,403	\$133,275,801	2,527
Primary Metal	\$626,997,148	\$182,266,597	\$135,670,325	2,377
Fabricated Metal Products	\$1,203,030,573	\$459,900,358	\$296,912,239	5,916
Machinery, Except Electrical	\$210,079,106	\$84,795,523	\$60,578,272	750
Electric & Electronic Equipment	\$404,656,475	\$252,093,814	\$150,710,268	1,454
Motor Vehicles & Equipment	\$113,765,074	\$23,764,615	\$15,439,051	253
Transp. Equip., Exc. Motor Vehicles	\$58,651,035	\$26,009,538	\$16,996,298	238
Instruments & Related Products	\$47,155,585	\$19,682,768	\$14,960,674	224
Miscellaneous Manufacturing	\$94,599,864	\$35,779,033	\$24,677,221	456
Transportation	\$1,680,189,138	\$1,119,150,828	\$740,166,387	11,907
Communication	\$851,863,972	\$525,940,943	\$224,541,072	2,310
Electric, Gas, Water, Sanitary Services	\$1,743,908,208	\$393,994,774	\$171,928,805	847
Wholesale Trade	\$1,662,472,714	\$1,126,096,316	\$649,317,184	8,447
Retail Trade	\$4,079,102,984	\$3,379,967,892	\$2,021,112,732	61,651
Finance	\$594,192,055	\$321,229,127	\$187,052,655	1,935
Insurance	\$771,300,533	\$462,016,719	\$276,211,822	3,865
Real Estate	\$4,352,140,293	\$604,359,079	\$97,375,360	1,006
Hotels, Lodging Places, Amusements	\$412,687,335	\$216,042,848	\$141,731,581	4,017
Personal Services	\$814,523,386	\$501,733,819	\$390,357,017	7,653
Business Services	\$3,007,851,858	\$1,915,007,159	\$1,562,155,138	22,118
Eating & Drinking Places	\$1,799,350,392	\$1,053,630,771	\$560,587,806	29,490
Health Services	\$1,371,233,731	\$959,103,127	\$810,930,560	15,587
Miscellaneous Services	\$1,218,409,446	\$501,728,429	\$434,956,768	12,089
Households	\$62,353,090	\$62,353,090	\$61,033,711	4,910
Total	\$46,294,471,132	\$22,756,539,468	\$15,562,926,338	308,826

Note: All monetary values are in constant 2005 dollars.

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

Table J.6
The Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$63,726,102)	(\$17,075,216)	(\$11,629,171)	-216
Forestry & Fishery Products	(\$1,897,950)	(\$1,369,575)	(\$507,950)	-7
Coal Mining	(\$7,440,325)	(\$2,177,314)	(\$2,294,380)	-18
Crude Petroleum & Natural Gas	(\$52,014,164)	(\$11,463,668)	(\$5,287,031)	-30
Miscellaneous Mining	(\$9,588,510)	(\$4,622,838)	(\$2,717,507)	-35
New Construction	(\$1,179,373,149)	(\$616,977,352)	(\$508,427,764)	-8,343
Maintenance & Repair Construction	(\$69,970,918)	(\$37,010,599)	(\$30,499,038)	-501
Food Products & Tobacco	(\$136,976,749)	(\$35,392,581)	(\$18,080,222)	-352
Textile Mill Products	(\$1,980,785)	(\$460,061)	(\$389,248)	-10
Apparel	(\$31,852,228)	(\$17,563,841)	(\$8,899,866)	-282
Paper & Allied Products	(\$22,862,899)	(\$10,006,564)	(\$4,523,894)	-80
Printing & Publishing	(\$30,044,043)	(\$14,842,249)	(\$9,687,868)	-192
Chemicals & Petroleum Refining	(\$151,457,190)	(\$23,657,712)	(\$11,108,669)	-95
Rubber & Leather Products	(\$20,893,260)	(\$9,072,721)	(\$5,303,873)	-123
Lumber Products & Furniture	(\$56,602,836)	(\$14,472,251)	(\$10,317,915)	-250
Stone, Clay, & Glass Products	(\$48,516,680)	(\$25,133,469)	(\$13,144,910)	-249
Primary Metal	(\$61,840,342)	(\$17,976,842)	(\$13,381,080)	-234
Fabricated Metal Products	(\$118,654,163)	(\$45,359,688)	(\$29,284,271)	-583
Machinery, Except Electrical	(\$20,719,973)	(\$8,363,330)	(\$5,974,798)	-74
Electric & Electronic Equipment	(\$39,911,018)	(\$24,863,857)	(\$14,864,461)	-143
Motor Vehicles & Equipment	(\$11,220,579)	(\$2,343,889)	(\$1,522,744)	-25
Transp. Equip., Exc. Motor Vehicles	(\$5,784,715)	(\$2,565,305)	(\$1,676,334)	-23
Instruments & Related Products	(\$4,650,926)	(\$1,941,299)	(\$1,475,562)	-22
Miscellaneous Manufacturing	(\$9,330,326)	(\$3,528,864)	(\$2,433,899)	-45
Transportation	(\$165,716,017)	(\$110,381,155)	(\$73,002,154)	-1,174
Communication	(\$84,018,817)	(\$51,873,230)	(\$22,146,347)	-228
Electric, Gas, Water, Sanitary Services	(\$172,000,590)	(\$38,859,461)	(\$16,957,232)	-84
Wholesale Trade	(\$163,968,657)	(\$111,066,184)	(\$64,041,753)	-833
Retail Trade	(\$402,319,408)	(\$333,364,146)	(\$199,341,101)	-6,081
Finance	(\$58,604,795)	(\$31,682,630)	(\$18,448,888)	-191
Insurance	(\$76,072,895)	(\$45,568,424)	(\$27,242,601)	-381
Real Estate	(\$429,248,910)	(\$59,607,563)	(\$9,604,072)	-99
Hotels, Lodging Places, Amusements	(\$40,703,097)	(\$21,308,173)	(\$13,978,898)	-396
Personal Services	(\$80,335,939)	(\$49,485,697)	(\$38,500,672)	-755
Business Services	(\$296,662,571)	(\$188,875,974)	(\$154,074,397)	-2,181
Eating & Drinking Places	(\$177,468,818)	(\$103,918,952)	(\$55,290,429)	-2,909
Health Services	(\$135,243,936)	(\$94,595,749)	(\$79,981,580)	-1,537
Miscellaneous Services	(\$120,170,971)	(\$49,485,165)	(\$42,899,517)	-1,192
Households	(\$6,149,847)	(\$6,149,847)	(\$6,019,717)	-484
Total	(\$4,565,995,100)	(\$2,244,463,435)	(\$1,534,961,814)	-30,459

Note: All monetary values are in constant 2005 dollars.

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

Table J.7
The Total Gross Potential Impact of 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)
Agricultural Products & Services	\$1,693,821,540	\$494,526,509	\$336,800,079	6,259
Forestry & Fishery Products	\$43,129,449	\$34,985,672	\$12,975,516	190
Coal Mining	\$194,932,713	\$56,725,132	\$59,775,019	465
Crude Petroleum & Natural Gas	\$1,636,879,910	\$358,625,889	\$165,397,862	944
Miscellaneous Mining	\$516,488,132	\$255,559,809	\$150,229,277	1,939
New Construction	\$30,667,133,295	\$13,841,998,117	\$11,406,668,566	187,180
Maintenance & Repair Construction	\$1,851,177,089	\$982,034,401	\$809,257,504	13,278
Food Products & Tobacco	\$3,482,488,376	\$901,319,413	\$460,437,031	8,954
Textile Mill Products	\$50,707,401	\$11,780,375	\$9,967,180	263
Apparel	\$808,216,929	\$447,965,479	\$226,990,983	7,201
Paper & Allied Products	\$587,658,133	\$258,745,327	\$116,976,864	2,066
Printing & Publishing	\$792,347,122	\$391,902,349	\$255,803,474	5,054
Chemicals & Petroleum Refining	\$5,269,685,605	\$828,588,327	\$389,070,299	3,344
Rubber & Leather Products	\$531,341,121	\$231,808,558	\$135,514,248	3,140
Lumber Products & Furniture	\$836,259,284	\$228,913,757	\$163,202,839	3,948
Stone, Clay, & Glass Products	\$2,518,644,736	\$1,197,182,479	\$626,131,427	11,873
Primary Metal	\$1,359,238,667	\$402,909,362	\$299,905,994	5,252
Fabricated Metal Products	\$3,147,387,424	\$1,207,010,159	\$779,247,298	15,525
Machinery, Except Electrical	\$474,721,432	\$195,749,963	\$139,844,562	1,730
Electric & Electronic Equipment	\$764,113,646	\$450,922,149	\$269,576,638	2,601
Motor Vehicles & Equipment	\$287,354,953	\$60,536,019	\$39,328,151	647
Transp. Equip., Exc. Motor Vehicles	\$147,185,388	\$63,533,009	\$41,516,520	582
Instruments & Related Products	\$108,223,130	\$45,328,694	\$34,453,909	518
Miscellaneous Manufacturing	\$313,285,633	\$131,088,340	\$90,413,167	1,670
Transportation	\$4,293,503,226	\$2,842,018,033	\$1,879,609,280	30,236
Communication	\$2,181,007,307	\$1,345,514,289	\$574,443,212	5,908
Electric, Gas, Water, Sanitary Services	\$4,483,889,655	\$1,010,783,022	\$441,078,741	2,175
Wholesale Trade	\$4,278,211,616	\$2,896,104,049	\$1,669,919,405	21,727
Retail Trade	\$10,184,445,611	\$8,438,246,606	\$5,045,801,666	153,916
Finance	\$1,511,353,494	\$816,385,400	\$475,383,606	4,916
Insurance	\$1,935,674,738	\$1,157,997,968	\$692,296,824	9,691
Real Estate	\$10,995,850,212	\$1,555,405,249	\$250,609,533	2,587
Hotels, Lodging Places, Amusements	\$1,050,053,756	\$548,618,936	\$359,913,033	10,201
Personal Services	\$2,039,445,925	\$1,256,016,228	\$977,200,890	19,160
Business Services	\$9,221,512,343	\$5,888,544,613	\$4,803,543,509	68,011
Eating & Drinking Places	\$4,541,721,261	\$2,659,815,207	\$1,415,163,651	74,446
Health Services	\$3,428,517,489	\$2,399,107,507	\$2,028,467,593	38,986
Miscellaneous Services	\$3,141,966,647	\$1,288,646,061	\$1,117,148,812	31,051
Households	\$154,600,454	\$154,600,454	\$151,329,081	12,171
Total	\$121,524,174,841	\$57,337,542,910	\$38,901,393,242	769,802

Note: All monetary values are in constant 2005 dollars.

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

Table J.8
The Total Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$167,060,573)	(\$48,774,844)	(\$33,218,384)	-617
Forestry & Fishery Products	(\$4,253,831)	(\$3,450,615)	(\$1,279,767)	-19
Coal Mining	(\$19,226,093)	(\$5,594,765)	(\$5,895,573)	-46
Crude Petroleum & Natural Gas	(\$161,444,455)	(\$35,371,050)	(\$16,313,089)	-93
Miscellaneous Mining	(\$50,940,906)	(\$25,205,706)	(\$14,817,021)	-191
New Construction	(\$3,024,680,420)	(\$1,365,227,727)	(\$1,125,032,677)	-18,461
Maintenance & Repair Construction	(\$182,580,453)	(\$96,857,447)	(\$79,816,568)	-1,310
Food Products & Tobacco	(\$343,475,678)	(\$88,896,577)	(\$45,412,620)	-883
Textile Mill Products	(\$5,001,240)	(\$1,161,891)	(\$983,057)	-26
Apparel	(\$79,713,937)	(\$44,182,559)	(\$22,387,980)	-710
Paper & Allied Products	(\$57,960,359)	(\$25,519,892)	(\$11,537,356)	-204
Printing & Publishing	(\$78,148,707)	(\$38,653,087)	(\$25,229,739)	-498
Chemicals & Petroleum Refining	(\$519,745,837)	(\$81,723,155)	(\$38,373,763)	-330
Rubber & Leather Products	(\$52,405,847)	(\$22,863,135)	(\$13,365,687)	-310
Lumber Products & Furniture	(\$82,479,737)	(\$22,577,623)	(\$16,096,595)	-389
Stone, Clay, & Glass Products	(\$248,412,375)	(\$118,077,369)	(\$61,754,956)	-1,171
Primary Metal	(\$134,060,870)	(\$39,738,702)	(\$29,579,543)	-518
Fabricated Metal Products	(\$310,424,878)	(\$119,046,667)	(\$76,856,680)	-1,531
Machinery, Except Electrical	(\$46,821,482)	(\$19,306,698)	(\$13,792,783)	-171
Electric & Electronic Equipment	(\$75,364,057)	(\$44,474,173)	(\$26,588,177)	-257
Motor Vehicles & Equipment	(\$28,341,642)	(\$5,970,630)	(\$3,878,911)	-64
Transp. Equip., Exc. Motor Vehicles	(\$14,516,804)	(\$6,266,221)	(\$4,094,749)	-57
Instruments & Related Products	(\$10,673,980)	(\$4,470,741)	(\$3,398,168)	-51
Miscellaneous Manufacturing	(\$30,899,169)	(\$12,929,162)	(\$8,917,395)	-165
Transportation	(\$423,465,572)	(\$280,306,484)	(\$185,384,703)	-2,982
Communication	(\$215,111,404)	(\$132,707,243)	(\$56,656,979)	-583
Electric, Gas, Water, Sanitary Services	(\$442,243,268)	(\$99,692,905)	(\$43,503,324)	-215
Wholesale Trade	(\$421,957,370)	(\$285,640,954)	(\$164,703,120)	-2,143
Retail Trade	(\$1,004,485,582)	(\$832,259,052)	(\$497,664,302)	-15,181
Finance	(\$149,063,862)	(\$80,519,588)	(\$46,886,791)	-485
Insurance	(\$190,914,404)	(\$114,212,624)	(\$68,280,808)	-956
Real Estate	(\$1,084,513,916)	(\$153,408,659)	(\$24,717,463)	-255
Hotels, Lodging Places, Amusements	(\$103,566,154)	(\$54,109,947)	(\$35,498,000)	-1,006
Personal Services	(\$201,149,292)	(\$123,880,105)	(\$96,380,720)	-1,890
Business Services	(\$909,512,068)	(\$580,783,519)	(\$473,770,530)	-6,708
Eating & Drinking Places	(\$447,947,163)	(\$262,335,931)	(\$139,576,717)	-7,343
Health Services	(\$338,152,563)	(\$236,622,492)	(\$200,066,506)	-3,845
Miscellaneous Services	(\$309,890,230)	(\$127,098,365)	(\$110,183,697)	-3,063
Households	(\$15,248,147)	(\$15,248,147)	(\$14,925,494)	-1,200
Total	(\$11,985,854,322)	(\$5,655,166,451)	(\$3,836,820,393)	-75,925

Note: All monetary values are in constant 2005 dollars.

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

Table J.9
The Gross Potential Impact of 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)
Agricultural Products & Services	\$1,919,290,160	\$559,017,740	\$380,722,196	7,076
Forestry & Fishery Products	\$49,156,238	\$39,698,860	\$14,723,547	215
Coal Mining	\$221,136,732	\$64,364,201	\$67,824,812	528
Crude Petroleum & Natural Gas	\$1,847,095,787	\$404,752,165	\$186,671,250	1,065
Miscellaneous Mining	\$577,336,922	\$285,565,222	\$167,867,776	2,167
New Construction	\$34,877,619,430	\$15,824,551,314	\$13,040,415,879	213,990
Maintenance & Repair Construction	\$2,097,950,029	\$1,112,851,625	\$917,059,043	15,047
Food Products & Tobacco	\$3,951,240,242	\$1,022,579,087	\$522,382,268	10,158
Textile Mill Products	\$57,528,839	\$13,367,190	\$11,309,756	299
Apparel	\$917,125,838	\$508,249,355	\$257,537,746	8,170
Paper & Allied Products	\$666,513,731	\$293,407,180	\$132,647,232	2,343
Printing & Publishing	\$896,926,024	\$443,640,612	\$289,574,199	5,721
Chemicals & Petroleum Refining	\$5,932,964,669	\$932,834,692	\$438,020,017	3,765
Rubber & Leather Products	\$603,075,838	\$263,054,937	\$153,780,743	3,563
Lumber Products & Furniture	\$974,111,203	\$265,606,181	\$189,362,507	4,581
Stone, Clay, & Glass Products	\$2,816,844,079	\$1,340,862,273	\$701,276,559	13,298
Primary Metal	\$1,554,526,937	\$460,460,858	\$342,744,508	6,002
Fabricated Metal Products	\$3,575,723,137	\$1,371,174,412	\$885,231,948	17,637
Machinery, Except Electrical	\$541,393,755	\$223,075,823	\$159,366,267	1,971
Electric & Electronic Equipment	\$878,139,586	\$519,552,512	\$310,606,209	2,997
Motor Vehicles & Equipment	\$326,001,628	\$68,658,696	\$44,605,172	734
Transp. Equip., Exc. Motor Vehicles	\$167,067,833	\$72,182,437	\$47,168,609	662
Instruments & Related Products	\$123,274,014	\$51,636,624	\$39,248,506	590
Miscellaneous Manufacturing	\$352,800,238	\$147,281,243	\$101,581,603	1,876
Transportation	\$4,872,563,771	\$3,225,879,621	\$2,133,481,631	34,320
Communication	\$2,471,149,342	\$1,524,553,085	\$650,880,619	6,694
Electric, Gas, Water, Sanitary Services	\$5,084,379,917	\$1,146,227,752	\$500,183,207	2,467
Wholesale Trade	\$4,854,619,411	\$3,286,374,877	\$1,894,953,043	24,654
Retail Trade	\$11,558,321,923	\$9,576,586,266	\$5,726,492,386	174,680
Finance	\$1,713,679,724	\$925,719,204	\$539,048,999	5,574
Insurance	\$2,196,678,841	\$1,314,190,108	\$785,674,643	10,998
Real Estate	\$12,471,451,640	\$1,762,507,604	\$283,978,216	2,931
Hotels, Lodging Places, Amusements	\$1,189,751,472	\$621,621,354	\$407,805,148	11,559
Personal Services	\$2,313,976,985	\$1,425,122,977	\$1,108,768,670	21,739
Business Services	\$10,308,467,370	\$6,578,652,246	\$5,366,494,502	75,981
Eating & Drinking Places	\$5,151,336,130	\$3,016,818,190	\$1,605,108,292	84,438
Health Services	\$3,890,568,983	\$2,722,388,500	\$2,301,804,662	44,240
Miscellaneous Services	\$3,560,902,168	\$1,460,641,633	\$1,266,254,648	35,195
Households	\$175,482,998	\$175,482,998	\$171,769,750	13,815
Total	\$137,738,173,561	\$65,051,191,653	\$44,144,426,769	873,736

Note: All monetary values are in constant 2005 dollars.

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

Table J.10
The Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$189,298,403)	(\$55,135,575)	(\$37,550,395)	-698
Forestry & Fishery Products	(\$4,848,249)	(\$3,915,474)	(\$1,452,174)	-21
Coal Mining	(\$21,810,579)	(\$6,348,201)	(\$6,689,519)	-52
Crude Petroleum & Natural Gas	(\$182,177,917)	(\$39,920,456)	(\$18,411,270)	-105
Miscellaneous Mining	(\$56,942,384)	(\$28,165,121)	(\$16,556,895)	-214
New Construction	(\$3,439,958,067)	(\$1,560,765,724)	(\$1,286,168,166)	-21,106
Maintenance & Repair Construction	(\$206,919,516)	(\$109,759,869)	(\$90,448,967)	-1,484
Food Products & Tobacco	(\$389,708,385)	(\$100,856,344)	(\$51,522,240)	-1,002
Textile Mill Products	(\$5,674,034)	(\$1,318,398)	(\$1,115,474)	-29
Apparel	(\$90,455,555)	(\$50,128,320)	(\$25,400,789)	-806
Paper & Allied Products	(\$65,737,838)	(\$28,938,569)	(\$13,082,915)	-231
Printing & Publishing	(\$88,463,260)	(\$43,756,000)	(\$28,560,524)	-564
Chemicals & Petroleum Refining	(\$585,164,642)	(\$92,004,910)	(\$43,201,644)	-371
Rubber & Leather Products	(\$59,480,998)	(\$25,944,946)	(\$15,167,300)	-351
Lumber Products & Furniture	(\$96,075,986)	(\$26,196,574)	(\$18,676,707)	-452
Stone, Clay, & Glass Products	(\$277,823,592)	(\$132,248,418)	(\$69,166,474)	-1,312
Primary Metal	(\$153,322,032)	(\$45,414,970)	(\$33,804,679)	-592
Fabricated Metal Products	(\$352,671,365)	(\$135,238,086)	(\$87,309,880)	-1,740
Machinery, Except Electrical	(\$53,397,332)	(\$22,001,831)	(\$15,718,197)	-194
Electric & Electronic Equipment	(\$86,610,365)	(\$51,243,143)	(\$30,634,899)	-296
Motor Vehicles & Equipment	(\$32,153,339)	(\$6,771,765)	(\$4,399,381)	-72
Transp. Equip., Exc. Motor Vehicles	(\$16,477,797)	(\$7,119,309)	(\$4,652,211)	-65
Instruments & Related Products	(\$12,158,440)	(\$5,092,888)	(\$3,871,056)	-58
Miscellaneous Manufacturing	(\$34,796,470)	(\$14,526,258)	(\$10,018,931)	-185
Transportation	(\$480,577,956)	(\$318,166,515)	(\$210,423,976)	-3,385
Communication	(\$243,727,934)	(\$150,365,729)	(\$64,195,953)	-660
Electric, Gas, Water, Sanitary Services	(\$501,469,252)	(\$113,051,735)	(\$49,332,761)	-243
Wholesale Trade	(\$478,808,115)	(\$324,133,125)	(\$186,898,049)	-2,432
Retail Trade	(\$1,139,990,154)	(\$944,532,790)	(\$564,800,408)	-17,229
Finance	(\$169,019,173)	(\$91,303,113)	(\$53,166,070)	-550
Insurance	(\$216,657,078)	(\$129,617,759)	(\$77,490,605)	-1,085
Real Estate	(\$1,230,051,574)	(\$173,835,037)	(\$28,008,596)	-289
Hotels, Lodging Places, Amusements	(\$117,344,453)	(\$61,310,130)	(\$40,221,570)	-1,140
Personal Services	(\$228,226,121)	(\$140,558,999)	(\$109,357,169)	-2,144
Business Services	(\$1,016,717,771)	(\$648,848,409)	(\$529,294,039)	-7,494
Eating & Drinking Places	(\$508,073,102)	(\$297,546,915)	(\$158,310,840)	-8,328
Health Services	(\$383,724,416)	(\$268,507,497)	(\$227,025,572)	-4,363
Miscellaneous Services	(\$351,209,582)	(\$144,062,182)	(\$124,889,914)	-3,471
Households	(\$17,307,780)	(\$17,307,780)	(\$16,941,544)	-1,363
Total	(\$13,585,031,004)	(\$6,415,958,863)	(\$4,353,937,553)	-86,176

Note: All monetary values are in constant 2005 dollars.

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

Table J.11
The Gross Potential Impact of 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)
Agricultural Products & Services	\$3,559,410,841	\$1,036,723,809	\$706,066,619	13,122
Forestry & Fishery Products	\$91,162,477	\$73,623,340	\$27,305,486	399
Coal Mining	\$410,108,121	\$119,366,337	\$125,784,196	978
Crude Petroleum & Natural Gas	\$3,425,523,095	\$750,631,288	\$346,190,318	1,975
Miscellaneous Mining	\$1,070,697,564	\$529,593,684	\$311,318,421	4,018
New Construction	\$64,682,130,579	\$29,347,349,710	\$24,184,043,994	396,854
Maintenance & Repair Construction	\$3,890,743,689	\$2,063,833,923	\$1,700,727,680	27,905
Food Products & Tobacco	\$7,327,754,630	\$1,896,419,397	\$968,781,660	18,839
Textile Mill Products	\$106,689,847	\$24,790,061	\$20,974,456	554
Apparel	\$1,700,851,553	\$942,571,531	\$477,615,457	15,151
Paper & Allied Products	\$1,236,080,010	\$544,136,951	\$246,000,322	4,345
Printing & Publishing	\$1,663,390,082	\$822,751,680	\$537,028,515	10,610
Chemicals & Petroleum Refining	\$11,002,952,659	\$1,729,984,337	\$812,328,032	6,982
Rubber & Leather Products	\$1,118,431,554	\$487,847,338	\$285,193,378	6,608
Lumber Products & Furniture	\$1,806,533,503	\$492,578,737	\$351,181,378	8,495
Stone, Clay, & Glass Products	\$5,223,965,383	\$2,486,690,033	\$1,300,549,255	24,661
Primary Metal	\$2,882,940,864	\$853,945,590	\$635,635,270	11,130
Fabricated Metal Products	\$6,631,341,091	\$2,542,905,273	\$1,641,702,885	32,709
Machinery, Except Electrical	\$1,004,039,328	\$413,704,253	\$295,551,986	3,656
Electric & Electronic Equipment	\$1,628,549,778	\$963,533,749	\$576,033,333	5,557
Motor Vehicles & Equipment	\$604,584,837	\$127,330,672	\$82,722,320	1,360
Transp. Equip., Exc. Motor Vehicles	\$309,834,890	\$133,865,611	\$87,476,329	1,227
Instruments & Related Products	\$228,617,262	\$95,762,467	\$72,788,139	1,094
Miscellaneous Manufacturing	\$654,284,078	\$273,139,760	\$188,387,700	3,480
Transportation	\$9,036,390,994	\$5,982,540,389	\$3,956,638,660	63,647
Communication	\$4,582,858,781	\$2,827,352,994	\$1,207,087,693	12,414
Electric, Gas, Water, Sanitary Services	\$9,429,213,664	\$2,125,731,467	\$927,612,493	4,575
Wholesale Trade	\$9,003,112,362	\$6,094,731,590	\$3,514,276,553	45,723
Retail Trade	\$21,435,433,385	\$17,760,214,530	\$10,620,040,424	323,952
Finance	\$3,178,096,943	\$1,716,788,342	\$999,690,871	10,337
Insurance	\$4,073,840,759	\$2,437,225,291	\$1,457,069,338	20,396
Real Estate	\$23,128,873,951	\$3,268,650,466	\$526,650,509	5,436
Hotels, Lodging Places, Amusements	\$2,206,448,185	\$1,152,825,057	\$756,293,184	21,436
Personal Services	\$4,291,375,499	\$2,642,955,340	\$2,056,261,898	40,316
Business Services	\$19,117,521,304	\$12,200,409,619	\$9,952,407,986	140,911
Eating & Drinking Places	\$9,553,387,005	\$5,594,826,462	\$2,976,746,287	156,593
Health Services	\$7,215,237,022	\$5,048,793,217	\$4,268,801,373	82,045
Miscellaneous Services	\$6,603,854,930	\$2,708,826,301	\$2,348,326,802	65,271
Households	\$325,441,196	\$325,441,196	\$318,554,808	25,620
Total	\$255,441,703,695	\$120,640,391,793	\$81,867,846,007	1,620,383

Note: All monetary values are in constant 2005 dollars.

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

Table J.12
The Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$351,062,493)	(\$102,251,429)	(\$69,638,915)	-1,294
Forestry & Fishery Products	(\$8,991,299)	(\$7,261,425)	(\$2,693,123)	-39
Coal Mining	(\$40,448,711)	(\$11,773,028)	(\$12,406,018)	-96
Crude Petroleum & Natural Gas	(\$337,857,228)	(\$74,034,300)	(\$34,144,537)	-195
Miscellaneous Mining	(\$105,602,240)	(\$52,233,498)	(\$30,705,144)	-396
New Construction	(\$6,379,558,597)	(\$2,894,510,980)	(\$2,385,257,325)	-39,141
Maintenance & Repair Construction	(\$383,741,648)	(\$203,554,665)	(\$167,741,721)	-2,752
Food Products & Tobacco	(\$722,731,914)	(\$187,042,674)	(\$95,550,337)	-1,858
Textile Mill Products	(\$10,522,754)	(\$2,445,028)	(\$2,068,698)	-55
Apparel	(\$167,753,938)	(\$92,965,248)	(\$47,106,918)	-1,494
Paper & Allied Products	(\$121,913,808)	(\$53,667,891)	(\$24,262,860)	-429
Printing & Publishing	(\$164,059,137)	(\$81,147,490)	(\$52,966,791)	-1,046
Chemicals & Petroleum Refining	(\$1,085,214,426)	(\$170,627,287)	(\$80,119,412)	-689
Rubber & Leather Products	(\$110,310,214)	(\$48,116,082)	(\$28,128,447)	-652
Lumber Products & Furniture	(\$178,177,284)	(\$48,582,737)	(\$34,636,802)	-838
Stone, Clay, & Glass Products	(\$515,236,480)	(\$245,260,702)	(\$128,272,370)	-2,432
Primary Metal	(\$284,342,677)	(\$84,224,126)	(\$62,692,314)	-1,098
Fabricated Metal Products	(\$654,045,077)	(\$250,805,177)	(\$161,920,142)	-3,226
Machinery, Except Electrical	(\$99,027,779)	(\$40,803,395)	(\$29,150,110)	-361
Electric & Electronic Equipment	(\$160,622,859)	(\$95,032,739)	(\$56,813,812)	-548
Motor Vehicles & Equipment	(\$59,629,829)	(\$12,558,546)	(\$8,158,851)	-134
Transp. Equip., Exc. Motor Vehicles	(\$30,558,824)	(\$13,203,083)	(\$8,627,736)	-121
Instruments & Related Products	(\$22,548,379)	(\$9,444,993)	(\$7,179,049)	-108
Miscellaneous Manufacturing	(\$64,531,635)	(\$26,939,606)	(\$18,580,562)	-343
Transportation	(\$891,253,664)	(\$590,054,264)	(\$390,240,828)	-6,278
Communication	(\$452,004,532)	(\$278,860,080)	(\$119,054,314)	-1,224
Electric, Gas, Water, Sanitary Services	(\$929,997,521)	(\$209,659,582)	(\$91,489,847)	-451
Wholesale Trade	(\$887,971,413)	(\$601,119,613)	(\$346,610,926)	-4,510
Retail Trade	(\$2,114,163,558)	(\$1,751,678,992)	(\$1,047,448,029)	-31,951
Finance	(\$313,453,739)	(\$169,325,774)	(\$98,598,893)	-1,020
Insurance	(\$401,800,398)	(\$240,382,025)	(\$143,709,849)	-2,012
Real Estate	(\$2,281,186,555)	(\$322,384,977)	(\$51,943,214)	-536
Hotels, Lodging Places, Amusements	(\$217,620,622)	(\$113,702,423)	(\$74,592,730)	-2,114
Personal Services	(\$423,255,715)	(\$260,673,053)	(\$202,807,841)	-3,976
Business Services	(\$1,885,549,321)	(\$1,203,318,867)	(\$981,599,854)	-13,898
Eating & Drinking Places	(\$942,244,661)	(\$551,814,279)	(\$293,594,648)	-15,445
Health Services	(\$711,634,372)	(\$497,959,357)	(\$421,029,243)	-8,092
Miscellaneous Services	(\$651,334,134)	(\$267,169,865)	(\$231,614,022)	-6,438
Households	(\$32,098,064)	(\$32,098,064)	(\$31,418,864)	-2,527
Total	(\$25,194,057,498)	(\$11,898,687,346)	(\$8,074,575,097)	-159,817

Note: All monetary values are in constant 2005 dollars.

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

Table J.13
The Total Gross Potential Impact of Construction of All Aspects of the TTC
Outlined in the Conceptual Plan on Business Activity in Texas
Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$8,466,611,931	\$2,470,127,147	\$1,682,294,080	31,266
Forestry & Fishery Products	\$216,201,484	\$174,989,288	\$64,900,172	949
Coal Mining	\$975,411,296	\$283,872,486	\$299,135,193	2,327
Crude Petroleum & Natural Gas	\$8,174,319,166	\$1,791,058,834	\$826,034,348	4,713
Miscellaneous Mining	\$2,574,236,852	\$1,273,609,251	\$748,683,438	9,663
New Construction	\$153,829,996,172	\$69,581,449,799	\$57,339,448,359	940,926
Maintenance & Repair Construction	\$9,253,818,764	\$4,908,969,509	\$4,045,296,585	66,374
Food Products & Tobacco	\$17,414,206,000	\$4,506,916,065	\$2,302,348,116	44,771
Textile Mill Products	\$253,591,831	\$58,925,073	\$49,855,523	1,316
Apparel	\$4,041,898,664	\$2,240,145,826	\$1,135,116,264	36,009
Paper & Allied Products	\$2,938,367,225	\$1,293,646,383	\$584,848,036	10,330
Printing & Publishing	\$3,955,382,249	\$1,956,477,347	\$1,277,036,746	25,229
Chemicals & Petroleum Refining	\$26,300,127,072	\$4,135,691,860	\$1,941,947,308	16,691
Rubber & Leather Products	\$2,657,764,261	\$1,159,413,644	\$677,788,044	15,704
Lumber Products & Furniture	\$4,239,192,949	\$1,158,210,848	\$825,740,231	19,975
Stone, Clay, & Glass Products	\$12,548,665,758	\$5,967,925,580	\$3,121,249,959	59,185
Primary Metal	\$6,825,980,634	\$2,022,383,221	\$1,505,363,011	26,360
Fabricated Metal Products	\$15,766,402,646	\$6,045,912,612	\$3,903,248,891	77,767
Machinery, Except Electrical	\$2,380,142,870	\$981,181,918	\$700,960,316	8,671
Electric & Electronic Equipment	\$3,848,381,702	\$2,274,165,342	\$1,359,573,596	13,117
Motor Vehicles & Equipment	\$1,436,955,869	\$302,672,453	\$196,635,789	3,234
Transp. Equip., Exc. Motor Vehicles	\$736,359,146	\$317,976,275	\$207,785,978	2,915
Instruments & Related Products	\$542,164,261	\$227,093,453	\$172,611,573	2,596
Miscellaneous Manufacturing	\$1,563,082,665	\$653,514,256	\$450,736,454	8,326
Transportation	\$21,492,131,332	\$14,227,093,644	\$9,409,291,890	151,360
Communication	\$10,894,976,176	\$6,721,445,660	\$2,869,600,769	29,511
Electric, Gas, Water, Sanitary Services	\$22,420,059,865	\$5,054,160,407	\$2,205,500,745	10,877
Wholesale Trade	\$21,407,735,293	\$14,491,994,137	\$8,356,212,973	108,719
Retail Trade	\$50,936,562,273	\$42,203,153,324	\$25,236,136,284	769,798
Finance	\$7,554,898,789	\$4,081,068,410	\$2,376,418,069	24,573
Insurance	\$9,682,175,834	\$5,792,340,401	\$3,462,889,382	48,473
Real Estate	\$54,972,928,774	\$7,771,522,145	\$1,252,160,834	12,924
Hotels, Lodging Places, Amusements	\$5,244,609,020	\$2,740,087,208	\$1,797,592,158	50,950
Personal Services	\$10,198,029,326	\$6,280,705,120	\$4,886,489,918	95,808
Business Services	\$45,554,546,359	\$29,071,574,909	\$23,714,955,752	335,767
Eating & Drinking Places	\$22,706,018,108	\$13,297,557,872	\$7,075,010,510	372,185
Health Services	\$17,145,923,699	\$11,997,791,067	\$10,144,243,345	194,968
Miscellaneous Services	\$15,702,709,977	\$6,440,522,717	\$5,583,396,804	155,190
Households	\$773,238,966	\$773,238,966	\$756,877,100	60,872
Total	\$607,625,805,259	\$286,730,584,455	\$194,545,414,544	3,850,388

Note: All monetary values are in constant 2005 dollars.

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

Table J.14
The Total Offsetting Potential Impact of Foregone Alternative Highway Construction Projects Stemming from Use of TxDOT Funds for All TTC 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)
Agricultural Products & Services	(\$835,056,706)	(\$243,627,115)	(\$165,923,626)	-3,084
Forestry & Fishery Products	(\$21,323,819)	(\$17,259,085)	(\$6,401,064)	-94
Coal Mining	(\$96,204,214)	(\$27,998,168)	(\$29,503,519)	-229
Crude Petroleum & Natural Gas	(\$806,228,052)	(\$176,651,027)	(\$81,471,258)	-465
Miscellaneous Mining	(\$253,895,391)	(\$125,615,294)	(\$73,842,185)	-953
New Construction	(\$15,172,157,531)	(\$6,862,775,426)	(\$5,655,354,384)	-92,803
Maintenance & Repair Construction	(\$912,698,430)	(\$484,168,631)	(\$398,985,104)	-6,546
Food Products & Tobacco	(\$1,717,552,384)	(\$444,514,348)	(\$227,079,173)	-4,416
Textile Mill Products	(\$25,011,606)	(\$5,811,744)	(\$4,917,219)	-130
Apparel	(\$398,649,969)	(\$220,944,200)	(\$111,955,816)	-3,552
Paper & Allied Products	(\$289,809,345)	(\$127,591,544)	(\$57,683,201)	-1,019
Printing & Publishing	(\$390,116,909)	(\$192,966,153)	(\$125,953,346)	-2,488
Chemicals & Petroleum Refining	(\$2,593,965,293)	(\$407,900,734)	(\$191,533,064)	-1,646
Rubber & Leather Products	(\$262,133,648)	(\$114,352,252)	(\$66,849,816)	-1,549
Lumber Products & Furniture	(\$418,108,983)	(\$114,233,621)	(\$81,442,249)	-1,970
Stone, Clay, & Glass Products	(\$1,237,667,155)	(\$588,612,815)	(\$307,846,956)	-5,837
Primary Metal	(\$673,242,255)	(\$199,466,408)	(\$148,473,024)	-2,600
Fabricated Metal Products	(\$1,555,030,557)	(\$596,304,628)	(\$384,975,028)	-7,670
Machinery, Except Electrical	(\$234,752,021)	(\$96,773,367)	(\$69,135,283)	-855
Electric & Electronic Equipment	(\$379,563,511)	(\$224,299,523)	(\$134,093,904)	-1,294
Motor Vehicles & Equipment	(\$141,726,070)	(\$29,852,397)	(\$19,394,066)	-319
Transp. Equip., Exc. Motor Vehicles	(\$72,626,648)	(\$31,361,804)	(\$20,493,803)	-287
Instruments & Related Products	(\$53,473,326)	(\$22,398,087)	(\$17,024,573)	-256
Miscellaneous Manufacturing	(\$154,165,878)	(\$64,455,707)	(\$44,455,858)	-821
Transportation	(\$2,119,755,642)	(\$1,403,209,461)	(\$928,032,649)	-14,929
Communication	(\$1,074,564,773)	(\$662,932,035)	(\$283,026,952)	-2,911
Electric, Gas, Water, Sanitary Services	(\$2,211,276,660)	(\$498,488,720)	(\$217,527,177)	-1,073
Wholesale Trade	(\$2,111,431,712)	(\$1,429,336,433)	(\$824,168,125)	-10,723
Retail Trade	(\$5,023,841,683)	(\$4,162,470,951)	(\$2,489,024,538)	-75,925
Finance	(\$745,135,002)	(\$402,513,257)	(\$234,384,647)	-2,424
Insurance	(\$954,947,024)	(\$571,294,957)	(\$341,542,641)	-4,781
Real Estate	(\$5,421,946,019)	(\$766,500,430)	(\$123,499,850)	-1,275
Hotels, Lodging Places, Amusements	(\$517,272,549)	(\$270,253,109)	(\$177,295,405)	-5,025
Personal Services	(\$1,005,825,335)	(\$619,462,068)	(\$481,951,483)	-9,449
Business Services	(\$4,493,016,777)	(\$2,867,311,481)	(\$2,338,991,442)	-33,116
Eating & Drinking Places	(\$2,239,480,545)	(\$1,311,529,922)	(\$697,803,918)	-36,708
Health Services	(\$1,691,091,867)	(\$1,183,334,724)	(\$1,000,520,457)	-19,230
Miscellaneous Services	(\$1,548,748,588)	(\$635,224,778)	(\$550,686,979)	-15,306
Households	(\$76,264,082)	(\$76,264,082)	(\$74,650,321)	-6,004
Total	(\$59,929,757,958)	(\$28,280,060,486)	(\$19,187,894,103)	-379,761

Note: All monetary values are in constant 2005 dollars.

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

APPENDIX K
Gross Potential Impact of Conceptual
TTC-69 Projects

Table K.1
The Gross Potential Impact of 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)
Agricultural Products & Services	\$448,253,745	\$120,067,475	\$81,772,631	1,521
Forestry & Fishery Products	\$18,875,934	\$13,500,893	\$5,007,212	74
Coal Mining	\$73,189,964	\$21,425,547	\$22,577,502	176
Crude Petroleum & Natural Gas	\$516,847,181	\$113,931,158	\$52,544,921	300
Miscellaneous Mining	\$73,123,772	\$35,264,622	\$20,730,118	267
New Construction	\$11,957,624,785	\$6,255,512,667	\$5,154,932,045	84,591
Maintenance & Repair Construction	\$690,416,485	\$365,504,088	\$301,198,176	4,944
Food Products & Tobacco	\$943,844,868	\$243,898,396	\$124,594,948	2,423
Textile Mill Products	\$2,862,697	\$665,103	\$562,742	13
Apparel	\$206,633,674	\$113,935,795	\$57,733,022	1,831
Paper & Allied Products	\$199,939,901	\$87,489,068	\$39,553,158	699
Printing & Publishing	\$202,277,478	\$99,873,098	\$65,189,412	1,287
Chemicals & Petroleum Refining	\$1,510,950,106	\$236,129,100	\$110,876,348	954
Rubber & Leather Products	\$157,294,655	\$68,315,253	\$39,936,800	926
Lumber Products & Furniture	\$446,841,760	\$114,138,856	\$81,374,715	1,971
Stone, Clay, & Glass Products	\$318,109,532	\$164,747,537	\$86,163,644	1,634
Primary Metal	\$381,701,947	\$110,973,158	\$82,602,978	1,443
Fabricated Metal Products	\$1,199,111,814	\$458,493,198	\$296,003,807	5,899
Machinery, Except Electrical	\$207,657,087	\$83,824,638	\$59,884,648	743
Electric & Electronic Equipment	\$83,822,533	\$52,267,130	\$31,247,053	301
Motor Vehicles & Equipment	\$59,070,808	\$12,323,180	\$8,005,946	132
Transp. Equip., Exc. Motor Vehicles	\$26,564,467	\$11,786,160	\$7,701,871	109
Instruments & Related Products	\$27,353,149	\$11,420,020	\$8,680,305	130
Miscellaneous Manufacturing	\$66,586,706	\$25,166,371	\$17,357,542	321
Transportation	\$1,657,940,414	\$1,103,856,380	\$730,051,225	11,742
Communication	\$604,559,709	\$373,589,225	\$159,497,208	1,642
Electric, Gas, Water, Sanitary Services	\$1,687,399,744	\$381,309,804	\$166,393,460	821
Wholesale Trade	\$1,383,414,876	\$937,086,403	\$540,332,358	7,031
Retail Trade	\$3,752,334,870	\$3,109,208,234	\$1,859,207,095	56,715
Finance	\$567,692,519	\$307,024,996	\$178,781,565	1,849
Insurance	\$579,628,077	\$347,208,146	\$207,574,713	2,903
Real Estate	\$3,830,546,248	\$513,563,041	\$82,746,148	855
Hotels, Lodging Places, Amusements	\$363,888,711	\$190,631,661	\$125,060,952	3,546
Personal Services	\$781,794,101	\$481,376,139	\$374,518,414	7,343
Business Services	\$2,976,983,885	\$1,896,836,573	\$1,547,332,611	21,909
Eating & Drinking Places	\$1,638,600,619	\$959,502,755	\$510,506,672	26,854
Health Services	\$1,330,249,017	\$930,054,083	\$786,369,303	15,115
Miscellaneous Services	\$1,167,619,303	\$481,058,620	\$417,037,751	11,589
Households	\$61,419,153	\$61,419,153	\$60,119,518	4,834
Total	\$42,203,026,297	\$20,894,377,723	\$14,501,760,535	287,436

*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 K.2
The Offsetting Potential Impact of Foregone 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*—Detailed Sectoral Results

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	(\$44,210,990)	(\$11,842,181)	(\$8,065,184)	-150
Forestry & Fishery Products	(\$1,861,722)	(\$1,331,585)	(\$493,858)	-7
Coal Mining	(\$7,218,681)	(\$2,113,188)	(\$2,226,805)	-17
Crude Petroleum & Natural Gas	(\$50,976,318)	(\$11,236,960)	(\$5,182,473)	-30
Miscellaneous Mining	(\$7,212,153)	(\$3,478,128)	(\$2,044,599)	-26
New Construction	(\$1,179,373,149)	(\$616,977,352)	(\$508,427,764)	-8,343
Maintenance & Repair Construction	(\$68,095,352)	(\$36,049,442)	(\$29,706,990)	-488
Food Products & Tobacco	(\$93,090,837)	(\$24,055,548)	(\$12,288,723)	-239
Textile Mill Products	(\$282,346)	(\$65,599)	(\$55,503)	-1
Apparel	(\$20,380,152)	(\$11,237,417)	(\$5,694,172)	-181
Paper & Allied Products	(\$19,719,949)	(\$8,628,993)	(\$3,901,104)	-69
Printing & Publishing	(\$19,950,503)	(\$9,850,422)	(\$6,429,591)	-127
Chemicals & Petroleum Refining	(\$149,024,076)	(\$23,289,267)	(\$10,935,666)	-94
Rubber & Leather Products	(\$15,513,875)	(\$6,737,891)	(\$3,938,942)	-91
Lumber Products & Furniture	(\$44,071,727)	(\$11,257,445)	(\$8,025,938)	-194
Stone, Clay, & Glass Products	(\$31,374,947)	(\$16,248,948)	(\$8,498,267)	-161
Primary Metal	(\$37,647,027)	(\$10,945,214)	(\$8,147,081)	-142
Fabricated Metal Products	(\$118,267,658)	(\$45,220,901)	(\$29,194,673)	-582
Machinery, Except Electrical	(\$20,481,090)	(\$8,267,572)	(\$5,906,386)	-73
Electric & Electronic Equipment	(\$8,267,365)	(\$5,155,075)	(\$3,081,878)	-30
Motor Vehicles & Equipment	(\$5,826,117)	(\$1,215,428)	(\$789,622)	-13
Transp. Equip., Exc. Motor Vehicles	(\$2,620,037)	(\$1,162,462)	(\$759,631)	-11
Instruments & Related Products	(\$2,697,824)	(\$1,126,350)	(\$856,133)	-13
Miscellaneous Manufacturing	(\$6,567,406)	(\$2,482,144)	(\$1,711,964)	-32
Transportation	(\$163,521,639)	(\$108,872,673)	(\$72,004,502)	-1,158
Communication	(\$59,627,351)	(\$36,846,875)	(\$15,731,111)	-162
Electric, Gas, Water, Sanitary Services	(\$166,427,195)	(\$37,608,351)	(\$16,411,284)	-81
Wholesale Trade	(\$136,445,355)	(\$92,424,253)	(\$53,292,647)	-693
Retail Trade	(\$370,090,471)	(\$306,659,288)	(\$183,372,448)	-5,594
Finance	(\$55,991,163)	(\$30,281,686)	(\$17,633,115)	-182
Insurance	(\$57,168,359)	(\$34,244,925)	(\$20,472,966)	-286
Real Estate	(\$377,804,411)	(\$50,652,406)	(\$8,161,201)	-84
Hotels, Lodging Places, Amusements	(\$35,890,119)	(\$18,801,883)	(\$12,334,684)	-350
Personal Services	(\$77,107,869)	(\$47,477,831)	(\$36,938,520)	-724
Business Services	(\$293,618,082)	(\$187,083,820)	(\$152,612,460)	-2,161
Eating & Drinking Places	(\$161,614,167)	(\$94,635,164)	(\$50,350,958)	-2,649
Health Services	(\$131,201,639)	(\$91,730,660)	(\$77,559,119)	-1,491
Miscellaneous Services	(\$115,161,571)	(\$47,446,515)	(\$41,132,176)	-1,143
Households	(\$6,057,733)	(\$6,057,733)	(\$5,929,551)	-477
Total	(\$4,162,458,423)	(\$2,060,799,572)	(\$1,430,299,687)	-28,350

*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 K.3
The Total Gross Potential Impact of 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)
Agricultural Products & Services	\$1,175,707,437	\$343,789,541	\$234,139,816	4,354
Forestry & Fishery Products	\$42,187,604	\$33,998,008	\$12,609,253	185
Coal Mining	\$189,164,606	\$55,057,493	\$58,017,693	452
Crude Petroleum & Natural Gas	\$1,609,897,658	\$352,731,765	\$162,679,493	928
Miscellaneous Mining	\$389,009,555	\$192,514,918	\$113,168,703	1,458
New Construction	\$30,667,133,295	\$13,841,998,117	\$11,406,668,566	187,180
Maintenance & Repair Construction	\$1,802,415,573	\$957,046,033	\$788,665,596	12,943
Food Products & Tobacco	\$2,365,565,658	\$612,327,955	\$312,806,365	6,081
Textile Mill Products	\$7,225,730	\$1,679,263	\$1,420,808	34
Apparel	\$516,907,757	\$286,515,277	\$145,181,688	4,605
Paper & Allied Products	\$506,753,020	\$223,099,239	\$100,861,548	1,784
Printing & Publishing	\$526,317,176	\$260,186,439	\$169,829,555	3,353
Chemicals & Petroleum Refining	\$5,206,428,781	\$819,009,446	\$384,572,514	3,311
Rubber & Leather Products	\$394,385,370	\$172,102,140	\$100,610,090	2,333
Lumber Products & Furniture	\$649,842,843	\$177,656,650	\$126,659,379	3,068
Stone, Clay, & Glass Products	\$1,631,958,857	\$775,463,147	\$405,570,439	7,694
Primary Metal	\$827,099,576	\$245,219,131	\$182,529,111	3,190
Fabricated Metal Products	\$3,137,338,909	\$1,203,401,946	\$776,917,876	15,482
Machinery, Except Electrical	\$468,510,878	\$193,260,352	\$138,066,031	1,711
Electric & Electronic Equipment	\$157,951,567	\$93,290,838	\$55,772,436	538
Motor Vehicles & Equipment	\$149,166,477	\$31,387,268	\$20,391,226	336
Transp. Equip., Exc. Motor Vehicles	\$66,643,224	\$28,770,229	\$18,800,382	266
Instruments & Related Products	\$62,671,414	\$26,258,300	\$19,958,734	297
Miscellaneous Manufacturing	\$221,325,229	\$92,675,775	\$63,919,555	1,181
Transportation	\$4,236,453,074	\$2,802,800,116	\$1,853,671,969	29,816
Communication	\$1,543,373,848	\$953,039,246	\$406,883,001	4,187
Electric, Gas, Water, Sanitary Services	\$4,338,990,771	\$978,256,251	\$426,884,981	2,105
Wholesale Trade	\$3,560,269,103	\$2,410,110,659	\$1,389,691,247	18,082
Retail Trade	\$9,359,360,328	\$7,754,641,221	\$4,637,027,451	141,452
Finance	\$1,443,748,767	\$780,168,889	\$454,294,653	4,701
Insurance	\$1,454,071,573	\$869,875,960	\$520,046,093	7,277
Real Estate	\$9,667,544,015	\$1,321,537,493	\$212,928,338	2,200
Hotels, Lodging Places, Amusements	\$924,832,544	\$483,548,276	\$317,224,354	8,994
Personal Services	\$1,955,521,571	\$1,203,815,089	\$936,587,598	18,366
Business Services	\$9,142,360,775	\$5,841,951,629	\$4,765,535,588	67,473
Eating & Drinking Places	\$4,131,117,901	\$2,419,345,085	\$1,287,220,766	67,712
Health Services	\$3,323,424,617	\$2,324,620,008	\$1,965,487,681	37,776
Miscellaneous Services	\$3,010,914,112	\$1,235,451,381	\$1,071,033,431	29,763
Households	\$152,205,621	\$152,205,621	\$148,984,930	11,981
Total	\$111,015,796,815	\$52,550,806,196	\$36,193,318,938	714,650

*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 K.4
The Total Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$115,959,299)	(\$33,907,750)	(\$23,093,065)	-429
Forestry & Fishery Products	(\$4,160,937)	(\$3,353,203)	(\$1,243,643)	-18
Coal Mining	(\$18,657,188)	(\$5,430,287)	(\$5,722,249)	-45
Crude Petroleum & Natural Gas	(\$158,783,212)	(\$34,789,716)	(\$16,044,978)	-92
Miscellaneous Mining	(\$38,367,772)	(\$18,987,627)	(\$11,161,759)	-144
New Construction	(\$3,024,680,420)	(\$1,365,227,727)	(\$1,125,032,677)	-18,461
Maintenance & Repair Construction	(\$177,771,135)	(\$94,392,859)	(\$77,785,601)	-1,277
Food Products & Tobacco	(\$233,314,280)	(\$60,393,528)	(\$30,851,899)	-600
Textile Mill Products	(\$712,669)	(\$165,625)	(\$140,133)	-3
Apparel	(\$50,982,293)	(\$28,258,825)	(\$14,319,180)	-454
Paper & Allied Products	(\$49,980,737)	(\$22,004,140)	(\$9,947,912)	-176
Printing & Publishing	(\$51,910,338)	(\$25,662,028)	(\$16,750,184)	-331
Chemicals & Petroleum Refining	(\$513,506,856)	(\$80,778,396)	(\$37,930,150)	-327
Rubber & Leather Products	(\$38,897,986)	(\$16,974,328)	(\$9,923,111)	-230
Lumber Products & Furniture	(\$64,093,598)	(\$17,522,166)	(\$12,492,336)	-303
Stone, Clay, & Glass Products	(\$160,959,094)	(\$76,483,451)	(\$40,001,162)	-759
Primary Metal	(\$81,576,320)	(\$24,185,811)	(\$18,002,733)	-315
Fabricated Metal Products	(\$309,433,799)	(\$118,690,791)	(\$76,626,930)	-1,527
Machinery, Except Electrical	(\$46,208,939)	(\$19,061,149)	(\$13,617,367)	-169
Electric & Electronic Equipment	(\$15,578,665)	(\$9,201,218)	(\$5,500,801)	-53
Motor Vehicles & Equipment	(\$14,712,197)	(\$3,095,707)	(\$2,011,174)	-33
Transp. Equip., Exc. Motor Vehicles	(\$6,572,980)	(\$2,837,590)	(\$1,854,270)	-26
Instruments & Related Products	(\$6,181,243)	(\$2,589,840)	(\$1,968,518)	-29
Miscellaneous Manufacturing	(\$21,829,171)	(\$9,140,554)	(\$6,304,346)	-117
Transportation	(\$417,838,751)	(\$276,438,445)	(\$182,826,522)	-2,941
Communication	(\$152,222,010)	(\$93,997,672)	(\$40,130,619)	-413
Electric, Gas, Water, Sanitary Services	(\$427,951,980)	(\$96,484,810)	(\$42,103,402)	-208
Wholesale Trade	(\$351,147,143)	(\$237,707,726)	(\$137,064,390)	-1,783
Retail Trade	(\$923,107,930)	(\$764,835,475)	(\$457,347,154)	-13,951
Finance	(\$142,396,049)	(\$76,947,576)	(\$44,806,801)	-464
Insurance	(\$143,414,181)	(\$85,795,329)	(\$51,291,825)	-718
Real Estate	(\$953,503,896)	(\$130,342,427)	(\$21,000,990)	-217
Hotels, Lodging Places, Amusements	(\$91,215,663)	(\$47,692,068)	(\$31,287,642)	-887
Personal Services	(\$192,871,885)	(\$118,731,539)	(\$92,375,056)	-1,811
Business Services	(\$901,705,398)	(\$576,188,082)	(\$470,021,832)	-6,655
Eating & Drinking Places	(\$407,449,608)	(\$238,618,512)	(\$126,957,789)	-6,678
Health Services	(\$327,787,318)	(\$229,275,836)	(\$193,854,836)	-3,726
Miscellaneous Services	(\$296,964,600)	(\$121,851,807)	(\$105,635,366)	-2,936
Households	(\$15,011,946)	(\$15,011,946)	(\$14,694,292)	-1,182
Total	(\$10,949,419,486)	(\$5,183,053,564)	(\$3,569,724,697)	-70,486

*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