



# 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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# APPENDICES

**APPENDIX A**

**Gross Potential Impact of TTC-35**

**Construction Projects on the TTC-35 Study Area**

**Table A.1**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: Austin Area to Seguin**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$41,363,342	\$12,415,478	\$8,455,634	157
Forestry & Fishery Products	\$918,282	\$757,964	\$281,116	4
Coal Mining	\$5,865,405	\$1,704,247	\$1,795,876	14
Crude Petroleum & Natural Gas	\$33,061,529	\$7,234,876	\$3,336,717	19
Miscellaneous Mining	\$23,180,877	\$11,509,133	\$6,765,576	87
New Construction	\$1,170,000,000	\$506,012,041	\$416,985,438	6,843
Maintenance & Repair Construction	\$64,928,193	\$34,497,316	\$28,427,941	467
Food Products & Tobacco	\$127,776,867	\$33,078,953	\$16,898,310	329
Textile Mill Products	\$1,880,889	\$437,562	\$370,217	10
Apparel	\$29,871,329	\$16,577,621	\$8,400,134	266
Paper & Allied Products	\$21,467,183	\$9,463,319	\$4,278,297	76
Printing & Publishing	\$29,328,630	\$14,511,266	\$9,471,832	187
Chemicals & Petroleum Refining	\$82,501,873	\$13,015,065	\$6,111,328	53
Rubber & Leather Products	\$19,570,332	\$8,558,174	\$5,003,071	116
Lumber Products & Furniture	\$27,374,746	\$7,675,007	\$5,471,857	132
Stone, Clay, & Glass Products	\$109,762,516	\$51,575,164	\$26,974,026	512
Primary Metal	\$42,814,232	\$12,620,698	\$9,394,228	164
Fabricated Metal Products	\$91,743,469	\$35,097,243	\$22,658,825	452
Machinery, Except Electrical	\$15,874,708	\$6,597,649	\$4,713,389	58
Electric & Electronic Equipment	\$27,086,191	\$15,876,632	\$9,491,593	92
Motor Vehicles & Equipment	\$10,632,335	\$2,238,533	\$1,454,299	24
Transp. Equip., Exc. Motor Vehicles	\$5,463,477	\$2,341,130	\$1,529,846	21
Instruments & Related Products	\$3,840,250	\$1,600,616	\$1,216,614	18
Miscellaneous Manufacturing	\$12,661,311	\$5,410,153	\$3,731,444	69
Transportation	\$163,822,679	\$108,223,546	\$71,575,190	1,151
Communication	\$80,489,332	\$49,640,384	\$21,193,072	218
Electric, Gas, Water, Sanitary Services	\$120,539,111	\$27,133,489	\$11,840,332	58
Wholesale Trade	\$160,026,019	\$108,320,909	\$62,458,799	813
Retail Trade	\$372,828,671	\$308,896,836	\$184,710,431	5,634
Finance	\$56,133,890	\$30,330,573	\$17,661,580	183
Insurance	\$71,809,553	\$42,946,982	\$25,675,398	359
Real Estate	\$404,465,137	\$57,640,991	\$9,287,214	96
Hotels, Lodging Places, Amusements	\$38,569,378	\$20,133,769	\$13,208,448	374
Personal Services	\$71,990,958	\$44,368,333	\$34,519,282	677
Business Services	\$339,722,444	\$216,320,840	\$176,462,374	2,498
Eating & Drinking Places	\$166,664,044	\$97,615,449	\$51,936,631	2,732
Health Services	\$125,338,877	\$87,702,227	\$74,153,047	1,425
Miscellaneous Services	\$115,664,689	\$47,372,201	\$41,067,753	1,142
Households	\$5,120,646	\$5,120,646	\$5,012,292	403
<b>Total</b>	<b>\$4,292,153,392</b>	<b>\$2,062,573,012</b>	<b>\$1,403,979,448</b>	<b>27,934</b>

\*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 A.2**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: Dallas Southeast Connector**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$85,156,573	\$26,507,354	\$18,052,986	335
Forestry & Fishery Products	\$1,730,908	\$1,527,125	\$566,383	9
Coal Mining	\$11,924,514	\$3,453,654	\$3,639,338	29
Crude Petroleum & Natural Gas	\$72,459,555	\$15,821,817	\$7,297,004	42
Miscellaneous Mining	\$56,735,335	\$28,264,511	\$16,615,125	214
New Construction	\$2,305,152,000	\$911,635,750	\$751,244,638	12,328
Maintenance & Repair Construction	\$133,297,647	\$70,924,678	\$58,446,360	959
Food Products & Tobacco	\$257,461,348	\$66,706,645	\$34,076,943	662
Textile Mill Products	\$3,799,176	\$882,399	\$746,591	20
Apparel	\$60,090,509	\$33,429,954	\$16,939,469	537
Paper & Allied Products	\$43,570,787	\$19,263,065	\$8,708,692	154
Printing & Publishing	\$60,936,071	\$30,143,435	\$19,675,303	389
Chemicals & Petroleum Refining	\$186,255,656	\$29,414,634	\$13,811,876	119
Rubber & Leather Products	\$39,197,928	\$17,197,252	\$10,053,438	233
Lumber Products & Furniture	\$31,352,843	\$9,952,460	\$7,095,558	172
Stone, Clay, & Glass Products	\$266,479,254	\$123,421,371	\$64,549,893	1,224
Primary Metal	\$74,125,652	\$22,034,828	\$16,401,644	287
Fabricated Metal Products	\$180,917,568	\$69,207,987	\$44,680,767	891
Machinery, Except Electrical	\$29,182,753	\$12,305,507	\$8,791,109	109
Electric & Electronic Equipment	\$44,303,149	\$24,727,541	\$14,782,970	143
Motor Vehicles & Equipment	\$21,457,274	\$4,532,995	\$2,944,935	48
Transp. Equip., Exc. Motor Vehicles	\$10,959,873	\$4,627,783	\$3,024,091	42
Instruments & Related Products	\$7,213,487	\$2,995,851	\$2,277,121	35
Miscellaneous Manufacturing	\$28,482,005	\$12,507,375	\$8,626,479	159
Transportation	\$332,540,564	\$219,079,231	\$144,891,182	2,331
Communication	\$165,254,185	\$101,871,259	\$43,492,108	448
Electric, Gas, Water, Sanitary Services	\$244,863,111	\$55,065,797	\$24,029,250	119
Wholesale Trade	\$323,047,501	\$218,600,386	\$126,046,927	1,640
Retail Trade	\$748,082,953	\$619,777,606	\$370,607,188	11,304
Finance	\$114,247,700	\$61,697,071	\$35,926,382	372
Insurance	\$144,514,306	\$86,380,020	\$51,641,379	723
Real Estate	\$819,008,858	\$118,256,746	\$19,053,726	197
Hotels, Lodging Places, Amusements	\$79,080,890	\$41,259,374	\$27,067,573	767
Personal Services	\$144,930,759	\$89,294,316	\$69,472,426	1,362
Business Services	\$815,697,062	\$522,634,458	\$426,335,793	6,036
Eating & Drinking Places	\$337,266,691	\$197,555,105	\$105,109,865	5,529
Health Services	\$251,970,372	\$176,344,803	\$149,101,168	2,866
Miscellaneous Services	\$237,048,370	\$96,897,803	\$84,002,324	2,335
Households	\$10,256,102	\$10,256,102	\$10,039,082	807
<b>Total</b>	<b>\$8,780,051,287</b>	<b>\$4,156,456,046</b>	<b>\$2,819,865,085</b>	<b>55,975</b>

\*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 A.3**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: Dallas Northeast Connector**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$41,755,133	\$12,997,447	\$8,851,987	164
Forestry & Fishery Products	\$848,722	\$748,801	\$277,717	4
Coal Mining	\$5,846,990	\$1,693,443	\$1,784,490	14
Crude Petroleum & Natural Gas	\$35,529,358	\$7,757,969	\$3,577,967	20
Miscellaneous Mining	\$27,819,244	\$13,859,041	\$8,146,955	105
New Construction	\$1,130,293,600	\$447,005,687	\$368,360,527	6,045
Maintenance & Repair Construction	\$65,360,322	\$34,776,756	\$28,658,217	470
Food Products & Tobacco	\$126,241,963	\$32,708,513	\$16,709,072	325
Textile Mill Products	\$1,862,864	\$432,670	\$366,079	10
Apparel	\$29,464,399	\$16,391,831	\$8,305,992	263
Paper & Allied Products	\$21,364,223	\$9,445,329	\$4,270,165	76
Printing & Publishing	\$29,879,006	\$14,780,341	\$9,647,463	191
Chemicals & Petroleum Refining	\$91,327,416	\$14,422,985	\$6,772,428	58
Rubber & Leather Products	\$19,220,063	\$8,432,391	\$4,929,539	114
Lumber Products & Furniture	\$15,373,354	\$4,880,026	\$3,479,191	84
Stone, Clay, & Glass Products	\$130,663,746	\$60,517,652	\$31,650,985	600
Primary Metal	\$36,346,302	\$10,804,418	\$8,042,278	141
Fabricated Metal Products	\$88,709,972	\$33,935,005	\$21,908,484	437
Machinery, Except Electrical	\$14,309,286	\$6,033,804	\$4,310,577	53
Electric & Electronic Equipment	\$21,723,325	\$12,124,745	\$7,248,588	70
Motor Vehicles & Equipment	\$10,521,223	\$2,222,680	\$1,444,001	24
Transp. Equip., Exc. Motor Vehicles	\$5,373,995	\$2,269,158	\$1,482,814	21
Instruments & Related Products	\$3,537,015	\$1,468,966	\$1,116,549	17
Miscellaneous Manufacturing	\$13,965,686	\$6,132,787	\$4,229,853	78
Transportation	\$163,055,829	\$107,421,920	\$71,045,023	1,143
Communication	\$81,029,688	\$49,950,907	\$21,325,644	220
Electric, Gas, Water, Sanitary Services	\$120,064,623	\$27,000,613	\$11,782,350	58
Wholesale Trade	\$158,401,061	\$107,187,126	\$61,805,050	804
Retail Trade	\$366,810,247	\$303,897,817	\$181,721,176	5,543
Finance	\$56,019,492	\$30,252,150	\$17,615,914	182
Insurance	\$70,860,228	\$42,355,031	\$25,321,506	355
Real Estate	\$401,587,605	\$57,985,262	\$9,342,683	96
Hotels, Lodging Places, Amusements	\$38,776,021	\$20,230,859	\$13,272,142	376
Personal Services	\$71,064,428	\$43,784,008	\$34,064,668	668
Business Services	\$399,963,720	\$256,265,263	\$209,046,786	2,960
Eating & Drinking Places	\$165,373,208	\$96,867,916	\$51,538,904	2,711
Health Services	\$123,549,553	\$86,467,791	\$73,109,320	1,405
Miscellaneous Services	\$116,232,793	\$47,512,254	\$41,189,166	1,145
Households	\$5,028,912	\$5,028,912	\$4,922,500	396
<b>Total</b>	<b>\$4,305,154,618</b>	<b>\$2,038,050,275</b>	<b>\$1,382,674,747</b>	<b>27,446</b>

\*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 A.4**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: Georgetown to Temple**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$38,083,912	\$11,854,678	\$8,073,697	150
Forestry & Fishery Products	\$774,100	\$682,964	\$253,299	4
Coal Mining	\$5,332,908	\$1,544,551	\$1,627,593	13
Crude Petroleum & Natural Gas	\$32,405,523	\$7,075,868	\$3,263,382	19
Miscellaneous Mining	\$25,373,303	\$12,640,517	\$7,430,653	96
New Construction	\$1,030,915,200	\$407,703,766	\$335,973,296	5,513
Maintenance & Repair Construction	\$59,613,670	\$31,719,092	\$26,138,511	429
Food Products & Tobacco	\$115,142,436	\$29,832,694	\$15,239,966	296
Textile Mill Products	\$1,699,076	\$394,629	\$333,892	9
Apparel	\$26,873,811	\$14,950,618	\$7,575,707	240
Paper & Allied Products	\$19,485,824	\$8,614,871	\$3,894,720	69
Printing & Publishing	\$27,251,965	\$13,480,814	\$8,799,233	174
Chemicals & Petroleum Refining	\$83,297,668	\$13,154,878	\$6,176,978	53
Rubber & Leather Products	\$17,530,184	\$7,690,993	\$4,496,121	104
Lumber Products & Furniture	\$14,021,688	\$4,450,961	\$3,173,291	77
Stone, Clay, & Glass Products	\$119,175,444	\$55,196,780	\$28,868,146	547
Primary Metal	\$33,150,639	\$9,854,465	\$7,335,180	128
Fabricated Metal Products	\$80,910,357	\$30,951,350	\$19,982,232	398
Machinery, Except Electrical	\$13,051,176	\$5,503,296	\$3,931,579	49
Electric & Electronic Equipment	\$19,813,353	\$11,058,706	\$6,611,273	64
Motor Vehicles & Equipment	\$9,596,170	\$2,027,256	\$1,317,040	22
Transp. Equip., Exc. Motor Vehicles	\$4,901,499	\$2,069,647	\$1,352,441	19
Instruments & Related Products	\$3,226,031	\$1,339,811	\$1,018,379	16
Miscellaneous Manufacturing	\$12,737,786	\$5,593,576	\$3,857,953	71
Transportation	\$148,719,530	\$97,977,101	\$64,798,556	1,042
Communication	\$73,905,344	\$45,559,091	\$19,450,637	200
Electric, Gas, Water, Sanitary Services	\$109,508,224	\$24,626,648	\$10,746,415	53
Wholesale Trade	\$144,474,021	\$97,762,951	\$56,370,987	733
Retail Trade	\$334,559,321	\$277,178,318	\$165,743,770	5,056
Finance	\$51,094,110	\$27,592,301	\$16,067,076	166
Insurance	\$64,630,009	\$38,631,064	\$23,095,172	323
Real Estate	\$366,278,962	\$52,887,045	\$8,521,250	88
Hotels, Lodging Places, Amusements	\$35,366,731	\$18,452,109	\$12,105,220	343
Personal Services	\$64,816,256	\$39,934,403	\$31,069,613	609
Business Services	\$364,797,853	\$233,733,744	\$190,666,841	2,700
Eating & Drinking Places	\$150,833,159	\$88,351,033	\$47,007,467	2,473
Health Services	\$112,686,750	\$78,865,315	\$66,681,356	1,282
Miscellaneous Services	\$106,013,299	\$43,334,851	\$37,567,706	1,044
Households	\$4,586,757	\$4,586,757	\$4,489,701	361
<b>Total</b>	<b>\$3,926,634,048</b>	<b>\$1,858,859,510</b>	<b>\$1,261,106,329</b>	<b>25,033</b>

\*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 A.5**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: Temple to Dallas**  
**Southeast Connector—Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$58,361,617	\$18,166,678	\$12,372,521	230
Forestry & Fishery Products	\$1,186,269	\$1,046,607	\$388,168	6
Coal Mining	\$8,172,404	\$2,366,944	\$2,494,201	20
Crude Petroleum & Natural Gas	\$49,659,781	\$10,843,400	\$5,000,964	28
Miscellaneous Mining	\$38,883,269	\$19,370,936	\$11,387,090	147
New Construction	\$1,579,824,000	\$624,784,846	\$514,861,627	8,449
Maintenance & Repair Construction	\$91,354,853	\$48,607,861	\$40,055,910	657
Food Products & Tobacco	\$176,449,803	\$45,717,054	\$23,354,457	454
Textile Mill Products	\$2,603,746	\$604,748	\$511,672	13
Apparel	\$41,182,719	\$22,911,046	\$11,609,377	368
Paper & Allied Products	\$29,861,014	\$13,201,842	\$5,968,457	106
Printing & Publishing	\$41,762,221	\$20,658,647	\$13,484,367	267
Chemicals & Petroleum Refining	\$127,649,350	\$20,159,167	\$9,465,898	81
Rubber & Leather Products	\$26,864,097	\$11,786,048	\$6,890,071	160
Lumber Products & Furniture	\$21,487,509	\$6,820,867	\$4,862,904	118
Stone, Clay, & Glass Products	\$182,630,178	\$84,586,198	\$44,238,935	839
Primary Metal	\$50,801,632	\$15,101,455	\$11,240,782	197
Fabricated Metal Products	\$123,990,919	\$47,431,336	\$30,621,733	610
Machinery, Except Electrical	\$20,000,249	\$8,433,516	\$6,024,941	75
Electric & Electronic Equipment	\$30,362,934	\$16,946,892	\$10,131,432	98
Motor Vehicles & Equipment	\$14,705,632	\$3,106,665	\$2,018,296	33
Transp. Equip., Exc. Motor Vehicles	\$7,511,292	\$3,171,627	\$2,072,545	29
Instruments & Related Products	\$4,943,726	\$2,053,191	\$1,560,613	24
Miscellaneous Manufacturing	\$19,519,995	\$8,571,865	\$5,912,113	109
Transportation	\$227,904,955	\$150,144,818	\$99,300,422	1,597
Communication	\$113,256,101	\$69,816,941	\$29,807,092	307
Electric, Gas, Water, Sanitary Services	\$167,815,666	\$37,739,059	\$16,468,322	81
Wholesale Trade	\$221,398,934	\$149,816,644	\$86,385,609	1,124
Retail Trade	\$512,694,782	\$424,761,376	\$253,993,719	7,747
Finance	\$78,299,070	\$42,283,768	\$24,621,960	255
Insurance	\$99,042,132	\$59,200,100	\$35,392,152	496
Real Estate	\$561,303,485	\$81,046,649	\$13,058,373	135
Hotels, Lodging Places, Amusements	\$54,197,679	\$28,276,898	\$18,550,621	526
Personal Services	\$99,327,546	\$61,197,398	\$47,612,568	933
Business Services	\$559,033,762	\$358,184,822	\$292,187,030	4,137
Eating & Drinking Places	\$231,143,982	\$135,393,369	\$72,036,502	3,789
Health Services	\$172,686,591	\$120,856,998	\$102,185,714	1,964
Miscellaneous Services	\$162,459,874	\$66,408,408	\$57,570,558	1,600
Households	\$7,028,967	\$7,028,967	\$6,880,233	553
<b>Total</b>	<b>\$6,017,362,735</b>	<b>\$2,848,605,652</b>	<b>\$1,932,579,950</b>	<b>38,362</b>

\*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 A.6**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: San Antonio Southeast Loop**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$16,540,550	\$5,148,706	\$3,506,556	65
Forestry & Fishery Products	\$336,206	\$296,624	\$110,012	2
Coal Mining	\$2,316,181	\$670,827	\$706,894	6
Crude Petroleum & Natural Gas	\$14,074,320	\$3,073,181	\$1,417,348	8
Miscellaneous Mining	\$11,020,096	\$5,490,011	\$3,227,271	42
New Construction	\$447,745,600	\$177,073,311	\$145,919,437	2,395
Maintenance & Repair Construction	\$25,891,323	\$13,776,190	\$11,352,440	186
Food Products & Tobacco	\$50,008,497	\$12,956,893	\$6,619,000	129
Textile Mill Products	\$737,940	\$171,395	\$145,015	4
Apparel	\$11,671,795	\$6,493,331	\$3,290,270	104
Paper & Allied Products	\$8,463,055	\$3,741,598	\$1,691,549	30
Printing & Publishing	\$11,836,034	\$5,854,968	\$3,821,670	76
Chemicals & Petroleum Refining	\$36,177,723	\$5,713,408	\$2,682,776	23
Rubber & Leather Products	\$7,613,684	\$3,340,341	\$1,952,749	45
Lumber Products & Furniture	\$6,089,879	\$1,933,135	\$1,378,219	33
Stone, Clay, & Glass Products	\$51,760,107	\$23,972,986	\$12,537,972	238
Primary Metal	\$14,397,938	\$4,279,977	\$3,185,805	56
Fabricated Metal Products	\$35,140,869	\$13,442,745	\$8,678,654	173
Machinery, Except Electrical	\$5,668,368	\$2,390,184	\$1,707,558	21
Electric & Electronic Equipment	\$8,605,307	\$4,803,001	\$2,871,398	28
Motor Vehicles & Equipment	\$4,167,795	\$880,475	\$572,015	9
Transp. Equip., Exc. Motor Vehicles	\$2,128,812	\$898,886	\$587,390	8
Instruments & Related Products	\$1,401,125	\$581,905	\$442,301	7
Miscellaneous Manufacturing	\$5,532,257	\$2,429,394	\$1,675,581	31
Transportation	\$64,591,651	\$42,553,273	\$28,143,215	453
Communication	\$32,098,462	\$19,787,159	\$8,447,773	87
Electric, Gas, Water, Sanitary Services	\$47,561,454	\$10,695,810	\$4,667,367	23
Wholesale Trade	\$62,747,748	\$42,460,263	\$24,482,965	319
Retail Trade	\$145,305,321	\$120,383,687	\$71,985,595	2,196
Finance	\$22,191,120	\$11,983,848	\$6,978,229	72
Insurance	\$28,070,012	\$16,778,188	\$10,030,662	140
Real Estate	\$159,081,749	\$22,969,825	\$3,700,937	38
Hotels, Lodging Places, Amusements	\$15,360,428	\$8,014,093	\$5,257,522	149
Personal Services	\$28,150,903	\$17,344,252	\$13,494,109	265
Business Services	\$158,438,476	\$101,514,902	\$82,810,147	1,172
Eating & Drinking Places	\$65,509,640	\$38,372,493	\$20,416,215	1,074
Health Services	\$48,941,946	\$34,252,669	\$28,960,950	557
Miscellaneous Services	\$46,043,543	\$18,821,130	\$16,316,352	454
Households	\$1,992,114	\$1,992,114	\$1,949,960	157
<b>Total</b>	<b>\$1,705,410,026</b>	<b>\$807,337,176</b>	<b>\$547,721,879</b>	<b>10,872</b>

\*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 A.7**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: Union Pacific Railroad Relocation**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$27,398,053	\$7,340,355	\$4,999,192	93
Forestry & Fishery Products	\$734,684	\$528,519	\$196,020	3
Coal Mining	\$3,917,356	\$1,146,502	\$1,208,146	10
Crude Petroleum & Natural Gas	\$17,510,529	\$3,859,477	\$1,779,987	10
Miscellaneous Mining	\$6,366,883	\$3,069,927	\$1,804,637	23
New Construction	\$783,840,000	\$410,058,112	\$337,913,424	5,545
Maintenance & Repair Construction	\$43,300,269	\$22,910,188	\$18,879,425	310
Food Products & Tobacco	\$89,866,637	\$23,220,889	\$11,862,338	231
Textile Mill Products	\$1,307,408	\$303,696	\$256,954	7
Apparel	\$21,044,021	\$11,603,826	\$5,879,837	186
Paper & Allied Products	\$14,821,563	\$6,486,538	\$2,932,515	52
Printing & Publishing	\$19,814,882	\$9,786,985	\$6,388,186	126
Chemicals & Petroleum Refining	\$38,482,722	\$6,012,076	\$2,823,019	24
Rubber & Leather Products	\$13,803,057	\$5,994,209	\$3,504,188	81
Lumber Products & Furniture	\$37,585,267	\$9,606,560	\$6,848,947	166
Stone, Clay, & Glass Products	\$32,200,743	\$16,679,584	\$8,723,491	165
Primary Metal	\$37,671,472	\$10,951,472	\$8,151,738	143
Fabricated Metal Products	\$62,270,209	\$23,806,625	\$15,369,587	306
Machinery, Except Electrical	\$13,013,941	\$5,253,043	\$3,752,797	47
Electric & Electronic Equipment	\$26,471,366	\$16,496,443	\$9,862,136	95
Motor Vehicles & Equipment	\$7,413,620	\$1,547,931	\$1,005,638	16
Transp. Equip., Exc. Motor Vehicles	\$3,825,607	\$1,696,808	\$1,108,804	16
Instruments & Related Products	\$3,075,785	\$1,283,943	\$975,913	15
Miscellaneous Manufacturing	\$6,166,001	\$2,331,497	\$1,608,059	30
Transportation	\$109,622,847	\$73,007,253	\$48,284,391	777
Communication	\$55,302,786	\$34,143,694	\$14,577,038	150
Electric, Gas, Water, Sanitary Services	\$82,534,720	\$18,626,311	\$8,128,024	40
Wholesale Trade	\$108,423,605	\$73,442,426	\$42,347,556	551
Retail Trade	\$263,959,930	\$218,718,582	\$130,786,721	3,989
Finance	\$38,716,756	\$20,933,768	\$12,189,792	126
Insurance	\$50,239,248	\$30,093,968	\$17,991,359	252
Real Estate	\$282,088,721	\$39,302,264	\$6,332,448	65
Hotels, Lodging Places, Amusements	\$26,779,963	\$14,018,506	\$9,196,625	261
Personal Services	\$50,825,065	\$31,330,178	\$24,375,387	478
Business Services	\$196,453,187	\$125,110,103	\$102,057,788	1,445
Eating & Drinking Places	\$116,461,297	\$68,195,160	\$36,283,466	1,909
Health Services	\$88,519,069	\$61,908,811	\$52,344,474	1,006
Miscellaneous Services	\$78,443,206	\$32,303,654	\$28,004,579	778
Households	\$3,648,949	\$3,648,949	\$3,571,736	287
<b>Total</b>	<b>\$2,863,921,424</b>	<b>\$1,446,758,834</b>	<b>\$994,306,362</b>	<b>19,814</b>

\*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 A.8**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: Short-Term Total**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$308,659,179	\$94,430,696	\$64,312,573	1,194
Forestry & Fishery Products	\$6,529,171	\$5,588,605	\$2,072,714	32
Coal Mining	\$43,375,758	\$12,580,168	\$13,256,538	105
Crude Petroleum & Natural Gas	\$254,700,596	\$55,666,588	\$25,673,369	146
Miscellaneous Mining	\$189,379,008	\$94,204,077	\$55,377,307	715
New Construction	\$8,447,770,400	\$3,484,273,514	\$2,871,258,387	47,117
Maintenance & Repair Construction	\$483,746,278	\$257,212,083	\$211,958,804	3,479
Food Products & Tobacco	\$942,947,552	\$244,221,641	\$124,760,086	2,426
Textile Mill Products	\$13,891,100	\$3,227,098	\$2,730,419	72
Apparel	\$220,198,582	\$122,358,227	\$62,000,785	1,965
Paper & Allied Products	\$159,033,650	\$70,216,562	\$31,744,395	562
Printing & Publishing	\$220,808,808	\$109,216,455	\$71,288,056	1,409
Chemicals & Petroleum Refining	\$645,692,407	\$101,892,213	\$47,844,303	411
Rubber & Leather Products	\$143,799,346	\$62,999,408	\$36,829,176	854
Lumber Products & Furniture	\$153,285,286	\$45,319,015	\$32,309,967	782
Stone, Clay, & Glass Products	\$892,671,987	\$415,949,734	\$217,543,448	4,126
Primary Metal	\$289,307,867	\$85,647,312	\$63,751,653	1,116
Fabricated Metal Products	\$663,683,363	\$253,872,290	\$163,900,282	3,267
Machinery, Except Electrical	\$111,100,481	\$46,516,999	\$33,231,949	412
Electric & Electronic Equipment	\$178,365,625	\$102,033,961	\$60,999,389	589
Motor Vehicles & Equipment	\$78,494,048	\$16,556,534	\$10,756,224	177
Transp. Equip., Exc. Motor Vehicles	\$40,164,556	\$17,075,039	\$11,157,931	155
Instruments & Related Products	\$27,237,418	\$11,324,283	\$8,607,490	131
Miscellaneous Manufacturing	\$99,065,039	\$42,976,646	\$29,641,481	547
Transportation	\$1,210,258,056	\$798,407,142	\$528,037,979	8,494
Communication	\$601,335,898	\$370,769,434	\$158,293,365	1,630
Electric, Gas, Water, Sanitary Services	\$892,886,909	\$200,887,727	\$87,662,060	433
Wholesale Trade	\$1,178,518,890	\$797,590,705	\$459,897,893	5,984
Retail Trade	\$2,744,241,223	\$2,273,614,223	\$1,359,548,599	41,470
Finance	\$416,702,137	\$225,073,480	\$131,060,934	1,356
Insurance	\$529,165,487	\$316,385,353	\$189,147,629	2,648
Real Estate	\$2,993,814,516	\$430,088,782	\$69,296,630	715
Hotels, Lodging Places, Amusements	\$288,131,090	\$150,385,608	\$98,658,152	2,797
Personal Services	\$531,105,914	\$327,252,887	\$254,608,052	4,992
Business Services	\$2,834,106,504	\$1,813,764,130	\$1,479,566,758	20,949
Eating & Drinking Places	\$1,233,252,021	\$722,350,526	\$384,329,051	20,216
Health Services	\$923,693,158	\$646,398,614	\$546,536,030	10,504
Miscellaneous Services	\$861,905,773	\$352,650,300	\$305,718,437	8,498
Households	\$37,662,446	\$37,662,446	\$36,865,505	2,965
<b>Total</b>	<b>\$31,890,687,528</b>	<b>\$15,218,640,506</b>	<b>\$10,342,233,800</b>	<b>205,436</b>

\*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 A.9**  
**The Gross Potential Impact of Mid-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: San Antonio to Seguin**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$6,816,332	\$2,121,773	\$1,445,046	27
Forestry & Fishery Products	\$138,550	\$122,238	\$45,336	1
Coal Mining	\$954,494	\$276,447	\$291,310	2
Crude Petroleum & Natural Gas	\$5,800,003	\$1,266,453	\$584,087	3
Miscellaneous Mining	\$4,541,363	\$2,262,424	\$1,329,953	17
New Construction	\$184,515,200	\$72,971,610	\$60,133,152	987
Maintenance & Repair Construction	\$10,669,770	\$5,677,145	\$4,678,321	77
Food Products & Tobacco	\$20,608,416	\$5,339,513	\$2,727,679	53
Textile Mill Products	\$304,104	\$70,631	\$59,761	2
Apparel	\$4,809,927	\$2,675,891	\$1,355,915	43
Paper & Allied Products	\$3,487,611	\$1,541,906	\$697,085	12
Printing & Publishing	\$4,877,609	\$2,412,822	\$1,574,904	31
Chemicals & Petroleum Refining	\$14,908,778	\$2,354,486	\$1,105,567	9
Rubber & Leather Products	\$3,137,586	\$1,376,549	\$804,724	19
Lumber Products & Furniture	\$2,509,629	\$796,642	\$567,962	14
Stone, Clay, & Glass Products	\$21,330,252	\$9,879,227	\$5,166,877	98
Primary Metal	\$5,933,366	\$1,763,771	\$1,312,865	23
Fabricated Metal Products	\$14,481,492	\$5,539,733	\$3,576,459	71
Machinery, Except Electrical	\$2,335,925	\$984,991	\$703,682	9
Electric & Electronic Equipment	\$3,546,232	\$1,979,309	\$1,183,298	11
Motor Vehicles & Equipment	\$1,717,541	\$362,842	\$235,726	4
Transp. Equip., Exc. Motor Vehicles	\$877,280	\$370,429	\$242,062	3
Instruments & Related Products	\$577,401	\$239,802	\$182,271	3
Miscellaneous Manufacturing	\$2,279,834	\$1,001,149	\$690,504	13
Transportation	\$26,618,110	\$17,536,131	\$11,597,771	187
Communication	\$13,227,722	\$8,154,254	\$3,481,313	36
Electric, Gas, Water, Sanitary Services	\$19,599,994	\$4,407,725	\$1,923,414	10
Wholesale Trade	\$25,858,240	\$17,497,802	\$10,089,388	131
Retail Trade	\$59,880,075	\$49,609,912	\$29,665,141	905
Finance	\$9,144,923	\$4,938,524	\$2,875,716	30
Insurance	\$11,567,604	\$6,914,263	\$4,133,619	58
Real Estate	\$65,557,318	\$9,465,826	\$1,525,150	16
Hotels, Lodging Places, Amusements	\$6,330,006	\$3,302,594	\$2,166,616	61
Personal Services	\$11,600,939	\$7,147,537	\$5,560,899	109
Business Services	\$65,292,226	\$41,834,118	\$34,125,921	483
Eating & Drinking Places	\$26,996,411	\$15,813,239	\$8,413,488	443
Health Services	\$20,168,893	\$14,115,467	\$11,934,758	229
Miscellaneous Services	\$18,974,466	\$7,756,156	\$6,723,941	187
Households	\$820,947	\$820,947	\$803,575	65
<b>Total</b>	<b>\$702,796,570</b>	<b>\$332,702,277</b>	<b>\$225,715,254</b>	<b>4,480</b>

\*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 A.10**  
**The Gross Potential Impact of Mid-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: Georgetown through Austin Area**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$7,254,078	\$2,258,034	\$1,537,847	29
Forestry & Fishery Products	\$147,448	\$130,088	\$48,247	1
Coal Mining	\$1,015,792	\$294,200	\$310,018	2
Crude Petroleum & Natural Gas	\$6,172,481	\$1,347,784	\$621,597	4
Miscellaneous Mining	\$4,833,010	\$2,407,718	\$1,415,363	18
New Construction	\$196,364,800	\$77,657,860	\$63,994,914	1,050
Maintenance & Repair Construction	\$11,354,985	\$6,041,732	\$4,978,764	82
Food Products & Tobacco	\$21,931,893	\$5,682,418	\$2,902,851	56
Textile Mill Products	\$323,634	\$75,167	\$63,598	2
Apparel	\$5,118,821	\$2,847,737	\$1,442,992	46
Paper & Allied Products	\$3,711,586	\$1,640,928	\$741,852	13
Printing & Publishing	\$5,190,850	\$2,567,774	\$1,676,044	33
Chemicals & Petroleum Refining	\$15,866,223	\$2,505,691	\$1,176,567	10
Rubber & Leather Products	\$3,339,083	\$1,464,951	\$856,404	20
Lumber Products & Furniture	\$2,670,798	\$847,802	\$604,436	15
Stone, Clay, & Glass Products	\$22,700,085	\$10,513,672	\$5,498,695	104
Primary Metal	\$6,314,407	\$1,877,041	\$1,397,177	24
Fabricated Metal Products	\$15,411,497	\$5,895,495	\$3,806,139	76
Machinery, Except Electrical	\$2,485,938	\$1,048,247	\$748,872	9
Electric & Electronic Equipment	\$3,773,972	\$2,106,420	\$1,259,290	12
Motor Vehicles & Equipment	\$1,827,842	\$386,144	\$250,865	4
Transp. Equip., Exc. Motor Vehicles	\$933,619	\$394,219	\$257,608	4
Instruments & Related Products	\$614,482	\$255,202	\$193,977	3
Miscellaneous Manufacturing	\$2,426,245	\$1,065,443	\$734,848	14
Transportation	\$28,327,530	\$18,662,305	\$12,342,582	199
Communication	\$14,077,208	\$8,677,922	\$3,704,883	38
Electric, Gas, Water, Sanitary Services	\$20,858,709	\$4,690,790	\$2,046,936	10
Wholesale Trade	\$27,518,861	\$18,621,514	\$10,737,331	140
Retail Trade	\$63,725,585	\$52,795,870	\$31,570,242	963
Finance	\$9,732,211	\$5,255,676	\$3,060,396	32
Insurance	\$12,310,478	\$7,358,298	\$4,399,080	62
Real Estate	\$69,767,421	\$10,073,723	\$1,623,095	17
Hotels, Lodging Places, Amusements	\$6,736,520	\$3,514,687	\$2,305,756	65
Personal Services	\$12,345,954	\$7,606,553	\$5,918,021	116
Business Services	\$69,485,305	\$44,520,713	\$36,317,493	514
Eating & Drinking Places	\$28,730,126	\$16,828,768	\$8,953,803	471
Health Services	\$21,464,143	\$15,021,965	\$12,701,211	244
Miscellaneous Services	\$20,193,009	\$8,254,257	\$7,155,753	199
Households	\$873,668	\$873,668	\$855,181	69
<b>Total</b>	<b>\$747,930,295</b>	<b>\$354,068,478</b>	<b>\$240,210,729</b>	<b>4,768</b>

\*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 A.11**  
**The Gross Potential Impact of Mid-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: Mid-Term Total**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$14,070,411	\$4,379,807	\$2,982,893	55
Forestry & Fishery Products	\$285,998	\$252,327	\$93,583	1
Coal Mining	\$1,970,286	\$570,647	\$601,327	5
Crude Petroleum & Natural Gas	\$11,972,484	\$2,614,237	\$1,205,683	7
Miscellaneous Mining	\$9,374,373	\$4,670,142	\$2,745,315	35
New Construction	\$380,880,000	\$150,629,470	\$124,128,065	2,037
Maintenance & Repair Construction	\$22,024,755	\$11,718,876	\$9,657,085	159
Food Products & Tobacco	\$42,540,309	\$11,021,931	\$5,630,529	109
Textile Mill Products	\$627,737	\$145,799	\$123,359	3
Apparel	\$9,928,748	\$5,523,627	\$2,798,906	89
Paper & Allied Products	\$7,199,196	\$3,182,834	\$1,438,936	25
Printing & Publishing	\$10,068,460	\$4,980,596	\$3,250,948	64
Chemicals & Petroleum Refining	\$30,775,001	\$4,860,177	\$2,282,135	20
Rubber & Leather Products	\$6,476,669	\$2,841,500	\$1,661,128	39
Lumber Products & Furniture	\$5,180,427	\$1,644,444	\$1,172,398	28
Stone, Clay, & Glass Products	\$44,030,336	\$20,392,899	\$10,665,571	202
Primary Metal	\$12,247,773	\$3,640,812	\$2,710,042	47
Fabricated Metal Products	\$29,892,989	\$11,435,228	\$7,382,598	147
Machinery, Except Electrical	\$4,821,863	\$2,033,238	\$1,452,554	18
Electric & Electronic Equipment	\$7,320,204	\$4,085,729	\$2,442,588	24
Motor Vehicles & Equipment	\$3,545,383	\$748,986	\$486,591	8
Transp. Equip., Exc. Motor Vehicles	\$1,810,899	\$764,648	\$499,670	7
Instruments & Related Products	\$1,191,884	\$495,004	\$376,248	6
Miscellaneous Manufacturing	\$4,706,078	\$2,066,592	\$1,425,352	26
Transportation	\$54,945,639	\$36,198,436	\$23,940,353	385
Communication	\$27,304,930	\$16,832,176	\$7,186,196	74
Electric, Gas, Water, Sanitary Services	\$40,458,704	\$9,098,515	\$3,970,350	20
Wholesale Trade	\$53,377,102	\$36,119,317	\$20,826,719	271
Retail Trade	\$123,605,660	\$102,405,783	\$61,235,383	1,868
Finance	\$18,877,134	\$10,194,200	\$5,936,112	61
Insurance	\$23,878,082	\$14,272,561	\$8,532,699	119
Real Estate	\$135,324,739	\$19,539,549	\$3,148,245	32
Hotels, Lodging Places, Amusements	\$13,066,526	\$6,817,282	\$4,472,372	127
Personal Services	\$23,946,893	\$14,754,090	\$11,478,921	225
Business Services	\$134,777,532	\$86,354,831	\$70,443,414	997
Eating & Drinking Places	\$55,726,537	\$32,642,007	\$17,367,291	914
Health Services	\$41,633,036	\$29,137,431	\$24,635,969	473
Miscellaneous Services	\$39,167,475	\$16,010,413	\$13,879,694	386
Households	\$1,694,615	\$1,694,615	\$1,658,756	133
<b>Total</b>	<b>\$1,450,726,865</b>	<b>\$686,770,755</b>	<b>\$465,925,984</b>	<b>9,249</b>

\*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 A.12**  
**The Gross Potential Impact of Long-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: Fort Worth Southwest and**  
**Northwest Connectors—Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$37,552,363	\$11,689,218	\$7,961,010	148
Forestry & Fishery Products	\$763,296	\$673,432	\$249,764	4
Coal Mining	\$5,258,475	\$1,522,993	\$1,604,876	13
Crude Petroleum & Natural Gas	\$31,953,229	\$6,977,108	\$3,217,834	18
Miscellaneous Mining	\$25,019,160	\$12,464,090	\$7,326,941	95
New Construction	\$1,016,526,400	\$402,013,320	\$331,284,014	5,436
Maintenance & Repair Construction	\$58,781,624	\$31,276,379	\$25,773,688	423
Food Products & Tobacco	\$113,535,358	\$29,416,310	\$15,027,257	292
Textile Mill Products	\$1,675,362	\$389,121	\$329,232	9
Apparel	\$26,498,725	\$14,741,948	\$7,469,970	237
Paper & Allied Products	\$19,213,855	\$8,494,630	\$3,840,361	68
Printing & Publishing	\$26,871,601	\$13,292,658	\$8,676,419	172
Chemicals & Petroleum Refining	\$82,135,057	\$12,971,271	\$6,090,764	52
Rubber & Leather Products	\$17,285,510	\$7,583,648	\$4,433,367	103
Lumber Products & Furniture	\$13,825,983	\$4,388,838	\$3,129,000	76
Stone, Clay, & Glass Products	\$117,512,076	\$54,426,381	\$28,465,225	540
Primary Metal	\$32,687,945	\$9,716,923	\$7,232,800	127
Fabricated Metal Products	\$79,781,066	\$30,519,352	\$19,703,334	393
Machinery, Except Electrical	\$12,869,016	\$5,426,485	\$3,876,705	48
Electric & Electronic Equipment	\$19,536,812	\$10,904,356	\$6,518,997	63
Motor Vehicles & Equipment	\$9,462,233	\$1,998,961	\$1,298,658	21
Transp. Equip., Exc. Motor Vehicles	\$4,833,087	\$2,040,761	\$1,333,564	18
Instruments & Related Products	\$3,181,005	\$1,321,111	\$1,004,165	15
Miscellaneous Manufacturing	\$12,560,000	\$5,515,505	\$3,804,106	70
Transportation	\$146,643,806	\$96,609,604	\$63,894,143	1,028
Communication	\$72,873,824	\$44,923,209	\$19,179,159	197
Electric, Gas, Water, Sanitary Services	\$107,979,785	\$24,282,926	\$10,596,424	52
Wholesale Trade	\$142,457,553	\$96,398,443	\$55,584,199	723
Retail Trade	\$329,889,773	\$273,309,655	\$163,430,433	4,985
Finance	\$50,380,974	\$27,207,187	\$15,842,823	164
Insurance	\$63,727,948	\$38,091,879	\$22,772,826	319
Real Estate	\$361,166,694	\$52,148,884	\$8,402,316	87
Hotels, Lodging Places, Amusements	\$34,873,107	\$18,194,567	\$11,936,264	338
Personal Services	\$63,911,596	\$39,377,026	\$30,635,964	601
Business Services	\$359,706,257	\$230,471,450	\$188,005,645	2,662
Eating & Drinking Places	\$148,727,934	\$87,117,891	\$46,351,370	2,438
Health Services	\$111,113,946	\$77,764,567	\$65,750,664	1,264
Miscellaneous Services	\$104,533,638	\$42,730,013	\$37,043,362	1,030
Households	\$4,522,738	\$4,522,738	\$4,427,037	356
<b>Total</b>	<b>\$3,871,828,810</b>	<b>\$1,832,914,837</b>	<b>\$1,243,504,681</b>	<b>24,684</b>

\*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 A.13**  
**The Gross Potential Impact of Long-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: San Antonio to Rio Grande Valley**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$50,309,535	\$15,660,243	\$10,665,499	198
Forestry & Fishery Products	\$1,022,601	\$902,208	\$334,613	5
Coal Mining	\$7,044,867	\$2,040,380	\$2,150,079	17
Crude Petroleum & Natural Gas	\$42,808,281	\$9,347,349	\$4,310,987	25
Miscellaneous Mining	\$33,518,591	\$16,698,352	\$9,816,027	127
New Construction	\$1,361,857,600	\$538,584,039	\$443,826,793	7,283
Maintenance & Repair Construction	\$78,750,735	\$41,901,494	\$34,529,445	567
Food Products & Tobacco	\$152,105,238	\$39,409,528	\$20,132,271	391
Textile Mill Products	\$2,244,510	\$521,311	\$441,077	12
Apparel	\$35,500,789	\$19,750,037	\$10,007,645	317
Paper & Allied Products	\$25,741,126	\$11,380,400	\$5,144,996	91
Printing & Publishing	\$36,000,338	\$17,808,399	\$11,623,946	230
Chemicals & Petroleum Refining	\$110,037,724	\$17,377,831	\$8,159,900	70
Rubber & Leather Products	\$23,157,690	\$10,159,941	\$5,939,457	138
Lumber Products & Furniture	\$18,522,903	\$5,879,800	\$4,191,975	101
Stone, Clay, & Glass Products	\$157,432,914	\$72,915,943	\$38,135,343	723
Primary Metal	\$43,792,593	\$13,017,926	\$9,689,905	170
Fabricated Metal Products	\$106,884,043	\$40,887,292	\$26,396,889	526
Machinery, Except Electrical	\$17,240,839	\$7,269,954	\$5,193,687	64
Electric & Electronic Equipment	\$26,173,797	\$14,608,750	\$8,733,611	84
Motor Vehicles & Equipment	\$12,676,713	\$2,678,042	\$1,739,834	29
Transp. Equip., Exc. Motor Vehicles	\$6,474,969	\$2,734,041	\$1,786,599	25
Instruments & Related Products	\$4,261,646	\$1,769,915	\$1,345,297	20
Miscellaneous Manufacturing	\$16,826,845	\$7,389,215	\$5,096,426	94
Transportation	\$196,461,185	\$129,429,520	\$85,600,063	1,377
Communication	\$97,630,294	\$60,184,382	\$25,694,643	265
Electric, Gas, Water, Sanitary Services	\$144,662,343	\$32,532,247	\$14,196,208	70
Wholesale Trade	\$190,852,792	\$129,146,624	\$74,467,092	969
Retail Trade	\$441,958,905	\$366,157,565	\$218,950,514	6,679
Finance	\$67,496,242	\$36,449,928	\$21,224,898	220
Insurance	\$85,377,409	\$51,032,334	\$30,509,140	427
Real Estate	\$483,861,124	\$69,864,741	\$11,256,725	116
Hotels, Lodging Places, Amusements	\$46,720,091	\$24,375,569	\$15,991,215	453
Personal Services	\$85,623,445	\$52,754,067	\$41,043,519	805
Business Services	\$481,904,552	\$308,766,497	\$251,874,340	3,566
Eating & Drinking Places	\$199,253,327	\$116,713,311	\$62,097,713	3,266
Health Services	\$148,861,232	\$104,182,505	\$88,087,275	1,693
Miscellaneous Services	\$140,045,482	\$57,246,121	\$49,627,618	1,379
Households	\$6,059,189	\$6,059,189	\$5,930,976	477
<b>Total</b>	<b>\$5,187,154,501</b>	<b>\$2,455,586,988</b>	<b>\$1,665,944,240</b>	<b>33,069</b>

\*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 A.14**  
**The Gross Potential Impact of Long-Term TTC-35 Construction Projects on**  
**Business Activity in the TTC-35 Study Area\*: Long-Term Total**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$87,861,898	\$27,349,461	\$18,626,509	346
Forestry & Fishery Products	\$1,785,897	\$1,575,640	\$584,376	9
Coal Mining	\$12,303,342	\$3,563,373	\$3,754,955	30
Crude Petroleum & Natural Gas	\$74,761,511	\$16,324,457	\$7,528,822	43
Miscellaneous Mining	\$58,537,751	\$29,162,442	\$17,142,969	221
New Construction	\$2,378,384,000	\$940,597,359	\$775,110,807	12,719
Maintenance & Repair Construction	\$137,532,359	\$73,177,873	\$60,303,133	990
Food Products & Tobacco	\$265,640,596	\$68,825,838	\$35,159,528	684
Textile Mill Products	\$3,919,872	\$910,432	\$770,309	20
Apparel	\$61,999,514	\$34,491,985	\$17,477,616	554
Paper & Allied Products	\$44,954,981	\$19,875,030	\$8,985,357	159
Printing & Publishing	\$62,871,939	\$31,101,057	\$20,300,365	401
Chemicals & Petroleum Refining	\$192,172,781	\$30,349,103	\$14,250,664	122
Rubber & Leather Products	\$40,443,200	\$17,743,589	\$10,372,824	240
Lumber Products & Furniture	\$32,348,887	\$10,268,638	\$7,320,975	177
Stone, Clay, & Glass Products	\$274,944,990	\$127,342,324	\$66,600,568	1,263
Primary Metal	\$76,480,538	\$22,734,849	\$16,922,705	296
Fabricated Metal Products	\$186,665,109	\$71,406,644	\$46,100,223	919
Machinery, Except Electrical	\$30,109,855	\$12,696,439	\$9,070,392	112
Electric & Electronic Equipment	\$45,710,609	\$25,513,106	\$15,252,608	147
Motor Vehicles & Equipment	\$22,138,946	\$4,677,003	\$3,038,492	50
Transp. Equip., Exc. Motor Vehicles	\$11,308,056	\$4,774,802	\$3,120,163	43
Instruments & Related Products	\$7,442,651	\$3,091,025	\$2,349,462	36
Miscellaneous Manufacturing	\$29,386,845	\$12,904,720	\$8,900,532	164
Transportation	\$343,104,991	\$226,039,124	\$149,494,206	2,405
Communication	\$170,504,119	\$105,107,591	\$44,873,802	462
Electric, Gas, Water, Sanitary Services	\$252,642,127	\$56,815,173	\$24,792,631	123
Wholesale Trade	\$333,310,345	\$225,545,067	\$130,051,291	1,692
Retail Trade	\$771,848,679	\$639,467,220	\$382,380,947	11,664
Finance	\$117,877,216	\$63,657,115	\$37,067,722	383
Insurance	\$149,105,358	\$89,124,213	\$53,281,966	746
Real Estate	\$845,027,818	\$122,013,625	\$19,659,041	203
Hotels, Lodging Places, Amusements	\$81,593,198	\$42,570,136	\$27,927,479	792
Personal Services	\$149,535,040	\$92,131,093	\$71,679,484	1,405
Business Services	\$841,610,809	\$539,237,947	\$439,879,985	6,228
Eating & Drinking Places	\$347,981,262	\$203,831,201	\$108,449,083	5,705
Health Services	\$259,975,178	\$181,947,072	\$153,837,939	2,957
Miscellaneous Services	\$244,579,121	\$99,976,133	\$86,670,980	2,409
Households	\$10,581,927	\$10,581,927	\$10,358,012	833
<b>Total</b>	<b>\$9,058,983,312</b>	<b>\$4,288,501,824</b>	<b>\$2,909,448,921</b>	<b>57,753</b>

\*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 A.15**  
**The Total Gross Potential Impact of 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)
Agricultural Products & Services	\$410,591,488	\$126,159,964	\$85,921,974	1,596
Forestry & Fishery Products	\$8,601,065	\$7,416,572	\$2,750,674	42
Coal Mining	\$57,649,386	\$16,714,187	\$17,612,820	139
Crude Petroleum & Natural Gas	\$341,434,591	\$74,605,282	\$34,407,874	196
Miscellaneous Mining	\$257,291,132	\$128,036,660	\$75,265,591	971
New Construction	\$11,207,034,400	\$4,575,500,343	\$3,770,497,259	61,873
Maintenance & Repair Construction	\$643,303,391	\$342,108,832	\$281,919,022	4,627
Food Products & Tobacco	\$1,251,128,457	\$324,069,411	\$165,550,143	3,219
Textile Mill Products	\$18,438,709	\$4,283,329	\$3,624,087	95
Apparel	\$292,126,844	\$162,373,839	\$82,277,307	2,608
Paper & Allied Products	\$211,187,826	\$93,274,426	\$42,168,688	746
Printing & Publishing	\$293,749,207	\$145,298,108	\$94,839,369	1,875
Chemicals & Petroleum Refining	\$868,640,189	\$137,101,492	\$64,377,102	553
Rubber & Leather Products	\$190,719,215	\$83,584,497	\$48,863,128	1,133
Lumber Products & Furniture	\$190,814,600	\$57,232,097	\$40,803,340	987
Stone, Clay, & Glass Products	\$1,211,647,313	\$563,684,957	\$294,809,587	5,591
Primary Metal	\$378,036,178	\$112,022,973	\$83,384,399	1,459
Fabricated Metal Products	\$880,241,461	\$336,714,162	\$217,383,103	4,333
Machinery, Except Electrical	\$146,032,199	\$61,246,675	\$43,754,895	542
Electric & Electronic Equipment	\$231,396,438	\$131,632,795	\$78,694,585	760
Motor Vehicles & Equipment	\$104,178,377	\$21,982,523	\$14,281,307	235
Transp. Equip., Exc. Motor Vehicles	\$53,283,510	\$22,614,489	\$14,777,765	205
Instruments & Related Products	\$35,871,953	\$14,910,313	\$11,333,201	172
Miscellaneous Manufacturing	\$133,157,963	\$57,947,957	\$39,967,365	738
Transportation	\$1,608,308,686	\$1,060,644,702	\$701,472,539	11,284
Communication	\$799,144,947	\$492,709,201	\$210,353,363	2,166
Electric, Gas, Water, Sanitary Services	\$1,185,987,740	\$266,801,415	\$116,425,042	576
Wholesale Trade	\$1,565,206,337	\$1,059,255,088	\$610,775,903	7,947
Retail Trade	\$3,639,695,563	\$3,015,487,226	\$1,803,164,929	55,001
Finance	\$553,456,488	\$298,924,795	\$174,064,768	1,801
Insurance	\$702,148,927	\$419,782,127	\$250,962,295	3,514
Real Estate	\$3,974,167,073	\$571,641,956	\$92,103,916	951
Hotels, Lodging Places, Amusements	\$382,790,814	\$199,773,025	\$131,058,002	3,715
Personal Services	\$704,587,848	\$434,138,070	\$337,766,457	6,622
Business Services	\$3,810,494,845	\$2,439,356,909	\$1,989,890,158	28,174
Eating & Drinking Places	\$1,636,959,819	\$958,823,735	\$510,145,425	26,834
Health Services	\$1,225,301,371	\$857,483,118	\$725,009,938	13,934
Miscellaneous Services	\$1,145,652,369	\$468,636,846	\$406,269,111	11,293
Households	\$49,938,987	\$49,938,987	\$48,882,274	3,931
<b>Total</b>	<b>\$42,400,397,705</b>	<b>\$20,193,913,084</b>	<b>\$13,717,608,705</b>	<b>272,438</b>

\*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 B**  
**Gross Potential Impact of TTC-35**  
**Construction Projects on Texas**

**Table B.1**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: Austin Area to Seguin**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$64,031,893	\$19,202,673	\$13,078,090	243
Forestry & Fishery Products	\$1,581,124	\$1,308,466	\$485,284	7
Coal Mining	\$7,416,763	\$2,154,867	\$2,270,726	18
Crude Petroleum & Natural Gas	\$65,243,527	\$14,277,118	\$6,584,591	38
Miscellaneous Mining	\$23,191,298	\$11,513,611	\$6,768,206	87
New Construction	\$1,170,000,000	\$506,012,041	\$416,985,438	6,843
Maintenance & Repair Construction	\$69,854,125	\$37,099,779	\$30,572,528	502
Food Products & Tobacco	\$129,685,915	\$33,571,131	\$17,149,738	334
Textile Mill Products	\$1,896,985	\$441,233	\$373,320	10
Apparel	\$30,094,493	\$16,701,016	\$8,462,661	268
Paper & Allied Products	\$22,043,909	\$9,717,886	\$4,393,385	78
Printing & Publishing	\$29,600,382	\$14,648,869	\$9,561,647	189
Chemicals & Petroleum Refining	\$215,595,118	\$34,004,737	\$15,967,197	137
Rubber & Leather Products	\$19,717,834	\$8,621,603	\$5,040,151	117
Lumber Products & Furniture	\$27,435,710	\$7,696,392	\$5,487,101	133
Stone, Clay, & Glass Products	\$109,841,705	\$51,619,054	\$26,996,980	512
Primary Metal	\$46,734,417	\$13,775,125	\$10,253,528	180
Fabricated Metal Products	\$116,213,454	\$44,454,655	\$28,699,982	572
Machinery, Except Electrical	\$16,829,362	\$6,992,943	\$4,995,787	62
Electric & Electronic Equipment	\$27,182,850	\$15,927,531	\$9,522,021	92
Motor Vehicles & Equipment	\$10,710,157	\$2,256,057	\$1,465,682	24
Transp. Equip., Exc. Motor Vehicles	\$5,497,293	\$2,355,606	\$1,539,303	22
Instruments & Related Products	\$3,867,462	\$1,611,777	\$1,225,096	18
Miscellaneous Manufacturing	\$12,723,713	\$5,434,770	\$3,748,425	69
Transportation	\$164,738,535	\$108,853,133	\$71,991,577	1,158
Communication	\$81,444,444	\$50,230,526	\$21,445,023	221
Electric, Gas, Water, Sanitary Services	\$168,461,195	\$37,943,153	\$16,557,380	82
Wholesale Trade	\$161,009,147	\$108,986,192	\$62,842,409	818
Retail Trade	\$378,918,506	\$313,943,108	\$187,727,941	5,726
Finance	\$56,548,149	\$30,549,362	\$17,788,983	184
Insurance	\$72,378,628	\$43,287,589	\$25,879,026	362
Real Estate	\$410,145,367	\$58,198,925	\$9,377,110	97
Hotels, Lodging Places, Amusements	\$39,052,656	\$20,388,312	\$13,375,439	379
Personal Services	\$75,912,897	\$46,752,943	\$36,374,544	713
Business Services	\$340,993,107	\$217,068,822	\$177,072,537	2,507
Eating & Drinking Places	\$169,306,316	\$99,162,874	\$52,759,942	2,775
Health Services	\$127,616,931	\$89,306,814	\$75,509,738	1,451
Miscellaneous Services	\$117,983,936	\$48,316,807	\$41,886,648	1,164
Households	\$5,743,895	\$5,743,895	\$5,622,353	452
<b>Total</b>	<b>\$4,597,243,198</b>	<b>\$2,140,131,397</b>	<b>\$1,447,837,514</b>	<b>28,642</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.2**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: Dallas Southeast Connector**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$131,873,003	\$40,998,723	\$27,922,415	519
Forestry & Fishery Products	\$2,984,157	\$2,638,221	\$978,464	14
Coal Mining	\$15,086,985	\$4,369,447	\$4,604,375	36
Crude Petroleum & Natural Gas	\$142,968,388	\$31,217,773	\$14,397,601	82
Miscellaneous Mining	\$56,757,618	\$28,274,085	\$16,620,748	215
New Construction	\$2,305,152,000	\$911,635,750	\$751,244,638	12,328
Maintenance & Repair Construction	\$143,477,411	\$76,308,265	\$62,882,761	1,032
Food Products & Tobacco	\$261,459,049	\$67,737,511	\$34,603,558	673
Textile Mill Products	\$3,833,595	\$890,246	\$753,224	20
Apparel	\$60,567,711	\$33,693,813	\$17,073,174	541
Paper & Allied Products	\$44,762,327	\$19,790,035	\$8,946,931	158
Printing & Publishing	\$61,517,175	\$30,437,680	\$19,867,360	392
Chemicals & Petroleum Refining	\$486,604,967	\$76,833,523	\$36,077,797	310
Rubber & Leather Products	\$39,513,340	\$17,332,885	\$10,132,726	235
Lumber Products & Furniture	\$31,483,206	\$9,998,190	\$7,128,154	172
Stone, Clay, & Glass Products	\$266,648,588	\$123,515,223	\$64,598,976	1,225
Primary Metal	\$80,938,753	\$24,057,297	\$17,907,073	313
Fabricated Metal Products	\$229,199,066	\$87,669,439	\$56,599,504	1,128
Machinery, Except Electrical	\$30,967,627	\$13,053,708	\$9,325,620	115
Electric & Electronic Equipment	\$44,509,839	\$24,836,380	\$14,848,037	143
Motor Vehicles & Equipment	\$21,623,683	\$4,570,468	\$2,969,273	49
Transp. Equip., Exc. Motor Vehicles	\$11,032,181	\$4,658,739	\$3,044,315	43
Instruments & Related Products	\$7,271,676	\$3,019,712	\$2,295,256	35
Miscellaneous Manufacturing	\$28,615,443	\$12,560,014	\$8,662,789	160
Transportation	\$334,498,995	\$220,425,515	\$145,781,570	2,345
Communication	\$167,296,559	\$103,133,197	\$44,030,869	453
Electric, Gas, Water, Sanitary Services	\$343,192,289	\$77,210,319	\$33,692,523	166
Wholesale Trade	\$325,149,783	\$220,023,000	\$126,867,221	1,651
Retail Trade	\$761,105,217	\$630,568,353	\$377,059,712	11,502
Finance	\$115,133,538	\$62,164,919	\$36,198,815	374
Insurance	\$145,731,194	\$87,108,364	\$52,076,810	729
Real Estate	\$831,155,238	\$119,449,807	\$19,245,955	198
Hotels, Lodging Places, Amusements	\$80,114,313	\$41,803,678	\$27,424,663	777
Personal Services	\$153,013,379	\$94,208,952	\$73,296,084	1,437
Business Services	\$818,414,197	\$524,233,913	\$427,640,542	6,055
Eating & Drinking Places	\$342,916,819	\$200,864,057	\$106,870,398	5,622
Health Services	\$256,766,579	\$179,724,311	\$151,958,569	2,920
Miscellaneous Services	\$241,921,267	\$98,877,791	\$85,718,809	2,383
Households	\$11,509,616	\$11,509,616	\$11,266,067	906
<b>Total</b>	<b>\$9,436,766,771</b>	<b>\$4,321,402,921</b>	<b>\$2,912,613,378</b>	<b>57,457</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.3**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: Dallas Northeast Connector**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$64,661,771	\$20,103,054	\$13,691,300	254
Forestry & Fishery Products	\$1,463,233	\$1,293,609	\$479,774	7
Coal Mining	\$7,397,657	\$2,142,487	\$2,257,680	18
Crude Petroleum & Natural Gas	\$70,102,212	\$15,307,125	\$7,059,629	40
Miscellaneous Mining	\$27,830,170	\$13,863,735	\$8,149,712	105
New Construction	\$1,130,293,600	\$447,005,687	\$368,360,527	6,045
Maintenance & Repair Construction	\$70,351,803	\$37,416,510	\$30,833,534	506
Food Products & Tobacco	\$128,202,170	\$33,213,981	\$16,967,289	330
Textile Mill Products	\$1,879,741	\$436,518	\$369,331	10
Apparel	\$29,698,387	\$16,521,210	\$8,371,552	266
Paper & Allied Products	\$21,948,475	\$9,703,720	\$4,386,981	78
Printing & Publishing	\$30,163,941	\$14,924,619	\$9,741,635	192
Chemicals & Petroleum Refining	\$238,598,791	\$37,674,062	\$17,690,158	152
Rubber & Leather Products	\$19,374,720	\$8,498,897	\$4,968,417	115
Lumber Products & Furniture	\$15,437,275	\$4,902,449	\$3,495,174	85
Stone, Clay, & Glass Products	\$130,746,776	\$60,563,671	\$31,675,052	601
Primary Metal	\$39,686,994	\$11,796,102	\$8,780,441	154
Fabricated Metal Products	\$112,384,015	\$42,987,276	\$27,752,642	553
Machinery, Except Electrical	\$15,184,470	\$6,400,672	\$4,572,665	57
Electric & Electronic Equipment	\$21,824,672	\$12,178,113	\$7,280,492	70
Motor Vehicles & Equipment	\$10,602,819	\$2,241,054	\$1,455,935	24
Transp. Equip., Exc. Motor Vehicles	\$5,409,450	\$2,284,336	\$1,492,730	21
Instruments & Related Products	\$3,565,548	\$1,480,667	\$1,125,441	17
Miscellaneous Manufacturing	\$14,031,115	\$6,158,598	\$4,247,657	78
Transportation	\$164,016,114	\$108,082,048	\$71,481,610	1,150
Communication	\$82,031,133	\$50,569,677	\$21,589,817	222
Electric, Gas, Water, Sanitary Services	\$168,278,728	\$37,858,818	\$16,520,578	82
Wholesale Trade	\$159,431,881	\$107,884,681	\$62,207,268	809
Retail Trade	\$373,195,501	\$309,188,884	\$184,885,066	5,640
Finance	\$56,453,848	\$30,481,552	\$17,749,497	183
Insurance	\$71,456,909	\$42,712,162	\$25,535,012	358
Real Estate	\$407,543,384	\$58,570,260	\$9,436,940	97
Hotels, Lodging Places, Amusements	\$39,282,744	\$20,497,750	\$13,447,235	381
Personal Services	\$75,027,609	\$46,193,820	\$35,939,537	705
Business Services	\$401,296,022	\$257,049,529	\$209,686,549	2,969
Eating & Drinking Places	\$168,143,657	\$98,490,407	\$52,402,153	2,757
Health Services	\$125,901,294	\$88,124,878	\$74,510,400	1,432
Miscellaneous Services	\$118,622,139	\$48,483,109	\$42,030,817	1,168
Households	\$5,643,552	\$5,643,552	\$5,524,132	444
<b>Total</b>	<b>\$4,627,164,320</b>	<b>\$2,118,929,279</b>	<b>\$1,428,152,356</b>	<b>28,173</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.4**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: Georgetown to Temple**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$58,976,538	\$18,335,540	\$12,487,525	232
Forestry & Fishery Products	\$1,334,581	\$1,179,871	\$437,591	6
Coal Mining	\$6,747,235	\$1,954,114	\$2,059,179	16
Crude Petroleum & Natural Gas	\$63,938,640	\$13,961,282	\$6,438,927	37
Miscellaneous Mining	\$25,383,268	\$12,644,799	\$7,433,168	96
New Construction	\$1,030,915,200	\$407,703,766	\$335,973,296	5,513
Maintenance & Repair Construction	\$64,166,287	\$34,126,752	\$28,122,568	461
Food Products & Tobacco	\$116,930,297	\$30,293,720	\$15,475,480	301
Textile Mill Products	\$1,714,469	\$398,138	\$336,859	9
Apparel	\$27,087,226	\$15,068,622	\$7,635,503	242
Paper & Allied Products	\$20,018,707	\$8,850,544	\$4,001,266	71
Printing & Publishing	\$27,511,848	\$13,612,407	\$8,885,125	175
Chemicals & Petroleum Refining	\$217,620,555	\$34,361,659	\$16,134,792	139
Rubber & Leather Products	\$17,671,244	\$7,751,651	\$4,531,580	105
Lumber Products & Furniture	\$14,079,989	\$4,471,413	\$3,187,869	77
Stone, Clay, & Glass Products	\$119,251,174	\$55,238,753	\$28,890,097	548
Primary Metal	\$36,197,609	\$10,758,958	\$8,008,441	140
Fabricated Metal Products	\$102,502,916	\$39,207,721	\$25,312,556	504
Machinery, Except Electrical	\$13,849,411	\$5,837,908	\$4,170,625	52
Electric & Electronic Equipment	\$19,905,789	\$11,107,381	\$6,640,372	64
Motor Vehicles & Equipment	\$9,670,591	\$2,044,015	\$1,327,925	22
Transp. Equip., Exc. Motor Vehicles	\$4,933,837	\$2,083,491	\$1,361,485	19
Instruments & Related Products	\$3,252,055	\$1,350,483	\$1,026,489	16
Miscellaneous Manufacturing	\$12,797,462	\$5,617,118	\$3,874,192	72
Transportation	\$149,595,384	\$98,579,189	\$65,196,758	1,049
Communication	\$74,818,739	\$46,123,457	\$19,691,583	202
Electric, Gas, Water, Sanitary Services	\$153,483,218	\$34,530,170	\$15,068,045	74
Wholesale Trade	\$145,414,209	\$98,399,175	\$56,737,840	738
Retail Trade	\$340,383,167	\$282,004,180	\$168,629,482	5,144
Finance	\$51,490,277	\$27,801,533	\$16,188,914	167
Insurance	\$65,174,228	\$38,956,796	\$23,289,907	326
Real Estate	\$371,711,093	\$53,420,608	\$8,607,219	89
Hotels, Lodging Places, Amusements	\$35,828,901	\$18,695,534	\$12,264,919	348
Personal Services	\$68,430,983	\$42,132,337	\$32,779,638	643
Business Services	\$366,013,016	\$234,449,055	\$191,250,354	2,708
Eating & Drinking Places	\$153,360,022	\$89,830,870	\$47,794,817	2,514
Health Services	\$114,831,720	\$80,376,706	\$67,959,249	1,306
Miscellaneous Services	\$108,192,567	\$44,220,346	\$38,335,356	1,066
Households	\$5,147,356	\$5,147,356	\$5,038,436	405
<b>Total</b>	<b>\$4,220,331,806</b>	<b>\$1,932,627,418</b>	<b>\$1,302,585,427</b>	<b>25,696</b>

Note: All monetary values are in constant 2005 dollars.

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



**Table B.5**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: Temple to Dallas Southeast Connector**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$90,378,481	\$28,098,263	\$19,136,483	356
Forestry & Fishery Products	\$2,045,177	\$1,808,091	\$670,585	10
Coal Mining	\$10,339,787	\$2,994,578	\$3,155,584	25
Crude Petroleum & Natural Gas	\$97,982,645	\$21,394,939	\$9,867,322	56
Miscellaneous Mining	\$38,898,540	\$19,377,498	\$11,390,944	147
New Construction	\$1,579,824,000	\$624,784,846	\$514,861,627	8,449
Maintenance & Repair Construction	\$98,331,502	\$52,297,475	\$43,096,375	707
Food Products & Tobacco	\$179,189,607	\$46,423,553	\$23,715,369	461
Textile Mill Products	\$2,627,335	\$610,126	\$516,218	14
Apparel	\$41,509,768	\$23,091,881	\$11,701,011	371
Paper & Allied Products	\$30,677,629	\$13,562,998	\$6,131,733	108
Printing & Publishing	\$42,160,477	\$20,860,307	\$13,615,993	269
Chemicals & Petroleum Refining	\$333,492,197	\$52,657,457	\$24,725,731	213
Rubber & Leather Products	\$27,080,263	\$11,879,003	\$6,944,412	161
Lumber Products & Furniture	\$21,576,852	\$6,852,208	\$4,885,244	118
Stone, Clay, & Glass Products	\$182,746,231	\$84,650,519	\$44,272,574	839
Primary Metal	\$55,470,956	\$16,487,544	\$12,272,520	215
Fabricated Metal Products	\$157,080,394	\$60,083,797	\$38,790,177	773
Machinery, Except Electrical	\$21,223,503	\$8,946,291	\$6,391,266	79
Electric & Electronic Equipment	\$30,504,588	\$17,021,484	\$10,176,025	98
Motor Vehicles & Equipment	\$14,819,679	\$3,132,347	\$2,034,976	34
Transp. Equip., Exc. Motor Vehicles	\$7,560,848	\$3,192,842	\$2,086,405	29
Instruments & Related Products	\$4,983,606	\$2,069,544	\$1,573,042	24
Miscellaneous Manufacturing	\$19,611,446	\$8,607,941	\$5,936,998	110
Transportation	\$229,247,156	\$151,067,487	\$99,910,645	1,607
Communication	\$114,655,831	\$70,681,803	\$30,176,328	310
Electric, Gas, Water, Sanitary Services	\$235,205,060	\$52,915,693	\$23,090,997	114
Wholesale Trade	\$222,839,722	\$150,791,625	\$86,947,793	1,131
Retail Trade	\$521,619,524	\$432,156,759	\$258,415,924	7,883
Finance	\$78,906,175	\$42,604,406	\$24,808,670	256
Insurance	\$99,876,120	\$59,699,266	\$35,690,572	500
Real Estate	\$569,627,943	\$81,864,308	\$13,190,116	136
Hotels, Lodging Places, Amusements	\$54,905,930	\$28,649,935	\$18,795,351	533
Personal Services	\$104,866,928	\$64,565,618	\$50,233,092	985
Business Services	\$560,895,936	\$359,281,000	\$293,081,234	4,150
Eating & Drinking Places	\$235,016,269	\$137,661,142	\$73,243,075	3,853
Health Services	\$175,973,647	\$123,173,127	\$104,144,020	2,001
Miscellaneous Services	\$165,799,489	\$67,765,383	\$58,746,942	1,633
Households	\$7,888,056	\$7,888,056	\$7,721,141	621
<b>Total</b>	<b>\$6,467,439,296</b>	<b>\$2,961,651,140</b>	<b>\$1,996,144,513</b>	<b>39,378</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.6**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: San Antonio Southeast Loop**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$25,614,605	\$7,963,465	\$5,423,564	101
Forestry & Fishery Products	\$579,633	\$512,440	\$190,054	3
Coal Mining	\$2,930,449	\$848,708	\$894,339	7
Crude Petroleum & Natural Gas	\$27,769,738	\$6,063,644	\$2,796,546	16
Miscellaneous Mining	\$11,024,424	\$5,491,871	\$3,228,363	42
New Construction	\$447,745,600	\$177,073,311	\$145,919,437	2,395
Maintenance & Repair Construction	\$27,868,609	\$14,821,882	\$12,214,153	200
Food Products & Tobacco	\$50,784,998	\$13,157,125	\$6,721,288	131
Textile Mill Products	\$744,626	\$172,919	\$146,304	4
Apparel	\$11,764,485	\$6,544,582	\$3,316,241	105
Paper & Allied Products	\$8,694,496	\$3,843,955	\$1,737,824	31
Printing & Publishing	\$11,948,906	\$5,912,121	\$3,858,975	76
Chemicals & Petroleum Refining	\$94,516,645	\$14,923,906	\$7,007,640	60
Rubber & Leather Products	\$7,674,949	\$3,366,686	\$1,968,149	46
Lumber Products & Furniture	\$6,115,201	\$1,942,017	\$1,384,551	34
Stone, Clay, & Glass Products	\$51,792,998	\$23,991,215	\$12,547,505	238
Primary Metal	\$15,721,293	\$4,672,815	\$3,478,215	61
Fabricated Metal Products	\$44,518,918	\$17,028,641	\$10,993,713	219
Machinery, Except Electrical	\$6,015,056	\$2,535,512	\$1,811,380	22
Electric & Electronic Equipment	\$8,645,453	\$4,824,142	\$2,884,037	28
Motor Vehicles & Equipment	\$4,200,117	\$887,754	\$576,742	10
Transp. Equip., Exc. Motor Vehicles	\$2,142,857	\$904,899	\$591,318	8
Instruments & Related Products	\$1,412,428	\$586,540	\$445,823	7
Miscellaneous Manufacturing	\$5,558,175	\$2,439,618	\$1,682,633	31
Transportation	\$64,972,051	\$42,814,771	\$28,316,162	455
Communication	\$32,495,166	\$20,032,273	\$8,552,420	88
Electric, Gas, Water, Sanitary Services	\$66,660,609	\$14,997,094	\$6,544,332	32
Wholesale Trade	\$63,156,089	\$42,736,588	\$24,642,297	321
Retail Trade	\$147,834,725	\$122,479,648	\$73,238,913	2,234
Finance	\$22,363,183	\$12,074,722	\$7,031,146	73
Insurance	\$28,306,377	\$16,919,659	\$10,115,239	142
Real Estate	\$161,441,025	\$23,201,561	\$3,738,275	39
Hotels, Lodging Places, Amusements	\$15,561,157	\$8,119,817	\$5,326,882	151
Personal Services	\$29,720,846	\$18,298,856	\$14,236,805	279
Business Services	\$158,966,244	\$101,825,575	\$83,063,577	1,176
Eating & Drinking Places	\$66,607,103	\$39,015,214	\$20,758,176	1,092
Health Services	\$49,873,547	\$34,909,095	\$29,515,963	567
Miscellaneous Services	\$46,990,039	\$19,205,717	\$16,649,757	463
Households	\$2,235,592	\$2,235,592	\$2,188,286	176
<b>Total</b>	<b>\$1,832,968,412</b>	<b>\$839,375,947</b>	<b>\$565,737,021</b>	<b>11,160</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.7**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: Union Pacific Railroad Relocation**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$42,353,913	\$11,348,603	\$7,729,029	144
Forestry & Fishery Products	\$1,261,424	\$910,253	\$337,596	5
Coal Mining	\$4,945,021	\$1,447,096	\$1,524,901	12
Crude Petroleum & Natural Gas	\$34,569,875	\$7,619,032	\$3,513,889	20
Miscellaneous Mining	\$6,372,756	\$3,072,450	\$1,806,121	23
New Construction	\$783,840,000	\$410,058,112	\$337,913,424	5,545
Maintenance & Repair Construction	\$46,504,369	\$24,598,142	\$20,270,401	333
Food Products & Tobacco	\$91,038,070	\$23,522,768	\$12,016,554	234
Textile Mill Products	\$1,316,478	\$305,768	\$258,703	7
Apparel	\$21,169,763	\$11,673,355	\$5,915,067	188
Paper & Allied Products	\$15,195,237	\$6,650,605	\$3,006,690	53
Printing & Publishing	\$19,968,000	\$9,864,519	\$6,438,792	127
Chemicals & Petroleum Refining	\$100,662,122	\$15,723,489	\$7,383,091	63
Rubber & Leather Products	\$13,886,168	\$6,029,950	\$3,525,082	82
Lumber Products & Furniture	\$37,619,618	\$9,618,609	\$6,857,536	166
Stone, Clay, & Glass Products	\$32,245,362	\$16,704,313	\$8,736,426	166
Primary Metal	\$41,100,591	\$11,947,845	\$8,893,391	156
Fabricated Metal Products	\$78,860,434	\$30,147,149	\$19,463,037	388
Machinery, Except Electrical	\$13,770,996	\$5,558,472	\$3,970,995	49
Electric & Electronic Equipment	\$26,525,831	\$16,525,123	\$9,879,281	95
Motor Vehicles & Equipment	\$7,457,469	\$1,557,806	\$1,012,053	17
Transp. Equip., Exc. Motor Vehicles	\$3,844,662	\$1,704,964	\$1,114,132	16
Instruments & Related Products	\$3,091,118	\$1,290,235	\$980,694	15
Miscellaneous Manufacturing	\$6,201,161	\$2,345,369	\$1,617,628	30
Transportation	\$110,138,884	\$73,361,993	\$48,519,002	781
Communication	\$55,840,944	\$34,476,207	\$14,719,000	151
Electric, Gas, Water, Sanitary Services	\$114,315,764	\$25,826,940	\$11,270,188	56
Wholesale Trade	\$108,977,547	\$73,817,280	\$42,563,702	554
Retail Trade	\$267,391,237	\$221,561,897	\$132,486,931	4,041
Finance	\$38,950,169	\$21,057,045	\$12,261,578	127
Insurance	\$50,559,891	\$30,285,880	\$18,106,094	253
Real Estate	\$285,289,237	\$39,616,632	\$6,383,099	66
Hotels, Lodging Places, Amusements	\$27,052,266	\$14,161,928	\$9,290,715	263
Personal Services	\$53,393,213	\$32,889,394	\$25,588,480	502
Business Services	\$197,169,140	\$125,531,553	\$102,401,581	1,450
Eating & Drinking Places	\$117,950,081	\$69,067,056	\$36,747,360	1,933
Health Services	\$89,886,400	\$62,870,629	\$53,157,698	1,022
Miscellaneous Services	\$79,868,542	\$32,889,041	\$28,512,060	792
Households	\$4,087,337	\$4,087,337	\$4,000,850	322
<b>Total</b>	<b>\$3,034,671,091</b>	<b>\$1,491,724,838</b>	<b>\$1,020,172,852</b>	<b>20,244</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.8**  
**The Gross Potential Impact of Short-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: Short-Term Total**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$477,890,204	\$146,050,320	\$99,468,405	1,849
Forestry & Fishery Products	\$11,249,329	\$9,650,952	\$3,579,348	52
Coal Mining	\$54,863,897	\$15,911,296	\$16,766,783	130
Crude Petroleum & Natural Gas	\$502,575,026	\$109,840,911	\$50,658,505	289
Miscellaneous Mining	\$189,458,074	\$94,238,049	\$55,397,261	715
New Construction	\$8,447,770,400	\$3,484,273,514	\$2,871,258,387	47,117
Maintenance & Repair Construction	\$520,554,106	\$276,668,805	\$227,992,321	3,740
Food Products & Tobacco	\$957,290,105	\$247,919,788	\$126,649,276	2,463
Textile Mill Products	\$14,013,229	\$3,254,947	\$2,753,960	73
Apparel	\$221,891,834	\$123,294,479	\$62,475,209	1,982
Paper & Allied Products	\$163,340,782	\$72,119,745	\$32,604,810	576
Printing & Publishing	\$222,870,728	\$110,260,522	\$71,969,526	1,422
Chemicals & Petroleum Refining	\$1,687,090,396	\$266,178,833	\$124,986,405	1,074
Rubber & Leather Products	\$144,918,519	\$63,480,675	\$37,110,518	860
Lumber Products & Furniture	\$153,747,852	\$45,481,278	\$32,425,630	784
Stone, Clay, & Glass Products	\$893,272,833	\$416,282,749	\$217,717,611	4,128
Primary Metal	\$315,850,613	\$93,495,686	\$69,593,608	1,218
Fabricated Metal Products	\$840,759,198	\$321,578,678	\$207,611,610	4,136
Machinery, Except Electrical	\$117,840,426	\$49,325,507	\$35,238,337	436
Electric & Electronic Equipment	\$179,099,021	\$102,420,152	\$61,230,265	591
Motor Vehicles & Equipment	\$79,084,516	\$16,689,501	\$10,842,586	179
Transp. Equip., Exc. Motor Vehicles	\$40,421,127	\$17,184,878	\$11,229,688	158
Instruments & Related Products	\$27,443,893	\$11,408,957	\$8,671,843	131
Miscellaneous Manufacturing	\$99,538,515	\$43,163,428	\$29,770,322	550
Transportation	\$1,217,207,118	\$803,184,135	\$531,197,322	8,545
Communication	\$608,582,815	\$375,247,140	\$160,205,038	1,647
Electric, Gas, Water, Sanitary Services	\$1,249,596,863	\$281,282,188	\$122,744,042	606
Wholesale Trade	\$1,185,978,377	\$802,638,540	\$462,808,530	6,022
Retail Trade	\$2,790,447,877	\$2,311,902,830	\$1,382,443,969	42,170
Finance	\$419,845,338	\$226,733,538	\$132,027,603	1,365
Insurance	\$533,483,347	\$318,969,717	\$190,692,660	2,670
Real Estate	\$3,036,913,286	\$434,322,102	\$69,978,713	722
Hotels, Lodging Places, Amusements	\$291,797,965	\$152,316,954	\$99,925,204	2,832
Personal Services	\$560,365,854	\$345,041,921	\$268,448,179	5,263
Business Services	\$2,843,747,663	\$1,819,439,448	\$1,484,196,374	21,014
Eating & Drinking Places	\$1,253,300,267	\$734,091,619	\$390,575,921	20,546
Health Services	\$940,850,118	\$658,485,560	\$556,755,637	10,700
Miscellaneous Services	\$879,377,980	\$359,758,193	\$311,880,389	8,669
Households	\$42,255,405	\$42,255,405	\$41,361,265	3,326
<b>Total</b>	<b>\$34,216,584,894</b>	<b>\$15,805,842,940</b>	<b>\$10,673,243,061</b>	<b>210,750</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.9**  
**The Gross Potential Impact of Mid-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: San Antonio to Seguin**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$10,555,735	\$3,281,730	\$2,235,041	42
Forestry & Fishery Products	\$238,866	\$211,176	\$78,321	1
Coal Mining	\$1,207,633	\$349,751	\$368,556	3
Crude Petroleum & Natural Gas	\$11,443,862	\$2,498,817	\$1,152,452	7
Miscellaneous Mining	\$4,543,146	\$2,263,191	\$1,330,403	17
New Construction	\$184,515,200	\$72,971,610	\$60,133,152	987
Maintenance & Repair Construction	\$11,484,606	\$6,108,072	\$5,033,432	83
Food Products & Tobacco	\$20,928,411	\$5,422,029	\$2,769,831	54
Textile Mill Products	\$306,859	\$71,259	\$60,292	2
Apparel	\$4,848,124	\$2,697,011	\$1,366,617	43
Paper & Allied Products	\$3,582,987	\$1,584,087	\$716,154	13
Printing & Publishing	\$4,924,124	\$2,436,375	\$1,590,277	31
Chemicals & Petroleum Refining	\$38,950,149	\$6,150,116	\$2,887,836	25
Rubber & Leather Products	\$3,162,833	\$1,387,406	\$811,071	19
Lumber Products & Furniture	\$2,520,064	\$800,302	\$570,571	14
Stone, Clay, & Glass Products	\$21,343,806	\$9,886,739	\$5,170,806	98
Primary Metal	\$6,478,718	\$1,925,659	\$1,433,366	25
Fabricated Metal Products	\$18,346,170	\$7,017,474	\$4,530,490	90
Machinery, Except Electrical	\$2,478,794	\$1,044,880	\$746,466	9
Electric & Electronic Equipment	\$3,562,777	\$1,988,021	\$1,188,507	11
Motor Vehicles & Equipment	\$1,730,861	\$365,842	\$237,675	4
Transp. Equip., Exc. Motor Vehicles	\$883,068	\$372,907	\$243,681	3
Instruments & Related Products	\$582,059	\$241,712	\$183,723	3
Miscellaneous Manufacturing	\$2,290,515	\$1,005,363	\$693,410	13
Transportation	\$26,774,872	\$17,643,894	\$11,669,042	188
Communication	\$13,391,203	\$8,255,266	\$3,524,438	36
Electric, Gas, Water, Sanitary Services	\$27,470,724	\$6,180,277	\$2,696,908	13
Wholesale Trade	\$26,026,517	\$17,611,675	\$10,155,049	132
Retail Trade	\$60,922,439	\$50,473,655	\$30,181,632	921
Finance	\$9,215,829	\$4,975,972	\$2,897,523	30
Insurance	\$11,665,010	\$6,972,563	\$4,168,473	58
Real Estate	\$66,529,572	\$9,561,324	\$1,540,537	16
Hotels, Lodging Places, Amusements	\$6,412,726	\$3,346,163	\$2,195,199	62
Personal Services	\$12,247,910	\$7,540,927	\$5,866,963	115
Business Services	\$65,509,719	\$41,962,146	\$34,230,359	485
Eating & Drinking Places	\$27,448,674	\$16,078,103	\$8,554,409	450
Health Services	\$20,552,804	\$14,385,979	\$12,163,478	234
Miscellaneous Services	\$19,364,515	\$7,914,643	\$6,861,336	191
Households	\$921,284	\$921,284	\$901,789	73
<b>Total</b>	<b>\$755,363,164</b>	<b>\$345,905,400</b>	<b>\$233,139,264</b>	<b>4,599</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.10**  
**The Gross Potential Impact of Mid-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: Georgetown through Austin Area**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$11,233,626	\$3,492,484	\$2,378,576	44
Forestry & Fishery Products	\$254,206	\$224,737	\$83,351	1
Coal Mining	\$1,285,188	\$372,212	\$392,225	3
Crude Petroleum & Natural Gas	\$12,178,789	\$2,659,292	\$1,226,462	7
Miscellaneous Mining	\$4,834,908	\$2,408,533	\$1,415,841	18
New Construction	\$196,364,800	\$77,657,860	\$63,994,914	1,050
Maintenance & Repair Construction	\$12,222,150	\$6,500,334	\$5,356,680	88
Food Products & Tobacco	\$22,272,437	\$5,770,232	\$2,947,710	57
Textile Mill Products	\$326,566	\$75,836	\$64,164	2
Apparel	\$5,159,472	\$2,870,214	\$1,454,381	46
Paper & Allied Products	\$3,813,087	\$1,685,818	\$762,146	13
Printing & Publishing	\$5,240,352	\$2,592,839	\$1,692,405	33
Chemicals & Petroleum Refining	\$41,451,534	\$6,545,078	\$3,073,294	26
Rubber & Leather Products	\$3,365,951	\$1,476,505	\$863,158	20
Lumber Products & Furniture	\$2,681,903	\$851,698	\$607,213	15
Stone, Clay, & Glass Products	\$22,714,509	\$10,521,667	\$5,502,876	104
Primary Metal	\$6,894,783	\$2,049,325	\$1,525,417	27
Fabricated Metal Products	\$19,524,365	\$7,468,137	\$4,821,439	96
Machinery, Except Electrical	\$2,637,983	\$1,111,983	\$794,405	10
Electric & Electronic Equipment	\$3,791,579	\$2,115,692	\$1,264,833	12
Motor Vehicles & Equipment	\$1,842,017	\$389,336	\$252,938	4
Transp. Equip., Exc. Motor Vehicles	\$939,778	\$396,856	\$259,330	4
Instruments & Related Products	\$619,439	\$257,235	\$195,522	3
Miscellaneous Manufacturing	\$2,437,612	\$1,069,927	\$737,941	14
Transportation	\$28,494,359	\$18,776,988	\$12,418,430	200
Communication	\$14,251,188	\$8,785,420	\$3,750,778	39
Electric, Gas, Water, Sanitary Services	\$29,234,899	\$6,577,175	\$2,870,104	14
Wholesale Trade	\$27,697,944	\$18,742,700	\$10,807,208	141
Retail Trade	\$64,834,889	\$53,715,082	\$32,119,901	980
Finance	\$9,807,672	\$5,295,530	\$3,083,603	32
Insurance	\$12,414,139	\$7,420,342	\$4,436,173	62
Real Estate	\$70,802,113	\$10,175,354	\$1,639,470	17
Hotels, Lodging Places, Amusements	\$6,824,553	\$3,561,054	\$2,336,175	66
Personal Services	\$13,034,473	\$8,025,207	\$6,243,740	122
Business Services	\$69,716,765	\$44,656,963	\$36,428,639	516
Eating & Drinking Places	\$29,211,433	\$17,110,642	\$9,103,775	479
Health Services	\$21,872,709	\$15,309,849	\$12,944,619	249
Miscellaneous Services	\$20,608,108	\$8,422,923	\$7,301,973	203
Households	\$980,449	\$980,449	\$959,702	77
<b>Total</b>	<b>\$803,872,725</b>	<b>\$368,119,508</b>	<b>\$248,111,510</b>	<b>4,894</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.11**  
**The Gross Potential Impact of Mid-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: Mid-Term Total**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$21,789,361	\$6,774,214	\$4,613,617	86
Forestry & Fishery Products	\$493,072	\$435,913	\$161,672	2
Coal Mining	\$2,492,821	\$721,963	\$760,780	6
Crude Petroleum & Natural Gas	\$23,622,650	\$5,158,109	\$2,378,914	14
Miscellaneous Mining	\$9,378,055	\$4,671,724	\$2,746,244	35
New Construction	\$380,880,000	\$150,629,470	\$124,128,065	2,037
Maintenance & Repair Construction	\$23,706,756	\$12,608,406	\$10,390,111	170
Food Products & Tobacco	\$43,200,849	\$11,192,261	\$5,717,542	111
Textile Mill Products	\$633,425	\$147,095	\$124,455	3
Apparel	\$10,007,596	\$5,567,225	\$2,820,999	89
Paper & Allied Products	\$7,396,074	\$3,269,905	\$1,478,300	26
Printing & Publishing	\$10,164,476	\$5,029,214	\$3,282,682	65
Chemicals & Petroleum Refining	\$80,401,683	\$12,695,194	\$5,961,130	51
Rubber & Leather Products	\$6,528,785	\$2,863,911	\$1,674,229	39
Lumber Products & Furniture	\$5,201,967	\$1,652,000	\$1,177,784	28
Stone, Clay, & Glass Products	\$44,058,316	\$20,408,406	\$10,673,681	202
Primary Metal	\$13,373,501	\$3,974,984	\$2,958,784	52
Fabricated Metal Products	\$37,870,535	\$14,485,611	\$9,351,930	186
Machinery, Except Electrical	\$5,116,778	\$2,156,863	\$1,540,871	19
Electric & Electronic Equipment	\$7,354,356	\$4,103,712	\$2,453,339	24
Motor Vehicles & Equipment	\$3,572,879	\$755,178	\$490,613	8
Transp. Equip., Exc. Motor Vehicles	\$1,822,846	\$769,763	\$503,012	7
Instruments & Related Products	\$1,201,498	\$498,947	\$379,245	6
Miscellaneous Manufacturing	\$4,728,126	\$2,075,290	\$1,431,352	26
Transportation	\$55,269,230	\$36,420,883	\$24,087,472	387
Communication	\$27,642,391	\$17,040,686	\$7,275,215	75
Electric, Gas, Water, Sanitary Services	\$56,705,622	\$12,757,452	\$5,567,012	27
Wholesale Trade	\$53,724,461	\$36,354,375	\$20,962,256	273
Retail Trade	\$125,757,328	\$104,188,737	\$62,301,533	1,900
Finance	\$19,023,501	\$10,271,502	\$5,981,126	62
Insurance	\$24,079,148	\$14,392,905	\$8,604,645	120
Real Estate	\$137,331,684	\$19,736,678	\$3,180,007	33
Hotels, Lodging Places, Amusements	\$13,237,279	\$6,907,217	\$4,531,374	128
Personal Services	\$25,282,383	\$15,566,134	\$12,110,704	237
Business Services	\$135,226,484	\$86,619,109	\$70,658,998	1,000
Eating & Drinking Places	\$56,660,107	\$33,188,745	\$17,658,184	929
Health Services	\$42,425,512	\$29,695,827	\$25,108,097	483
Miscellaneous Services	\$39,972,623	\$16,337,566	\$14,163,309	394
Households	\$1,901,733	\$1,901,733	\$1,861,491	150
<b>Total</b>	<b>\$1,559,235,889</b>	<b>\$714,024,908</b>	<b>\$481,250,774</b>	<b>9,494</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.12**  
**The Gross Potential Impact of Long-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: Fort Worth Southwest and**  
**Northwest Connectors—Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$58,153,384	\$18,079,625	\$12,313,232	229
Forestry & Fishery Products	\$1,315,954	\$1,163,403	\$431,483	6
Coal Mining	\$6,653,062	\$1,926,840	\$2,030,438	16
Crude Petroleum & Natural Gas	\$63,046,229	\$13,766,420	\$6,349,057	36
Miscellaneous Mining	\$25,028,986	\$12,468,312	\$7,329,421	95
New Construction	\$1,016,526,400	\$402,013,320	\$331,284,014	5,436
Maintenance & Repair Construction	\$63,270,698	\$33,650,434	\$27,730,053	455
Food Products & Tobacco	\$115,298,265	\$29,870,901	\$15,259,484	297
Textile Mill Products	\$1,690,540	\$392,581	\$332,157	9
Apparel	\$26,709,162	\$14,858,305	\$7,528,932	239
Paper & Allied Products	\$19,739,300	\$8,727,014	\$3,945,419	70
Printing & Publishing	\$27,127,856	\$13,422,414	\$8,761,113	173
Chemicals & Petroleum Refining	\$214,583,158	\$33,882,063	\$15,909,594	137
Rubber & Leather Products	\$17,424,601	\$7,643,459	\$4,468,332	104
Lumber Products & Furniture	\$13,883,471	\$4,409,004	\$3,143,375	76
Stone, Clay, & Glass Products	\$117,586,749	\$54,467,768	\$28,486,870	540
Primary Metal	\$35,692,388	\$10,608,792	\$7,896,665	138
Fabricated Metal Products	\$101,072,251	\$38,660,487	\$24,959,261	497
Machinery, Except Electrical	\$13,656,111	\$5,756,427	\$4,112,414	51
Electric & Electronic Equipment	\$19,627,958	\$10,952,352	\$6,547,690	63
Motor Vehicles & Equipment	\$9,535,616	\$2,015,486	\$1,309,391	22
Transp. Equip., Exc. Motor Vehicles	\$4,864,973	\$2,054,412	\$1,342,482	19
Instruments & Related Products	\$3,206,665	\$1,331,633	\$1,012,162	15
Miscellaneous Manufacturing	\$12,618,844	\$5,538,718	\$3,820,118	71
Transportation	\$147,507,435	\$97,203,289	\$64,286,786	1,034
Communication	\$73,774,471	\$45,479,698	\$19,416,741	200
Electric, Gas, Water, Sanitary Services	\$151,341,006	\$34,048,222	\$14,857,736	73
Wholesale Trade	\$143,384,618	\$97,025,788	\$55,945,933	728
Retail Trade	\$335,632,334	\$278,068,161	\$166,275,869	5,072
Finance	\$50,771,611	\$27,413,499	\$15,962,961	165
Insurance	\$64,264,572	\$38,413,064	\$22,964,842	322
Real Estate	\$366,523,007	\$52,675,000	\$8,487,085	88
Hotels, Lodging Places, Amusements	\$35,328,826	\$18,434,594	\$12,093,734	343
Personal Services	\$67,475,871	\$41,544,283	\$32,322,122	634
Business Services	\$360,904,460	\$231,176,778	\$188,581,014	2,670
Eating & Drinking Places	\$151,219,529	\$88,577,073	\$47,127,730	2,479
Health Services	\$113,228,978	\$79,254,863	\$67,010,721	1,288
Miscellaneous Services	\$106,682,490	\$43,603,149	\$37,800,298	1,051
Households	\$5,075,513	\$5,075,513	\$4,968,113	399
<b>Total</b>	<b>\$4,161,427,339</b>	<b>\$1,905,653,143</b>	<b>\$1,284,404,843</b>	<b>25,337</b>

Note: All monetary values are in constant 2005 dollars.

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



**Table B.13**  
**The Gross Potential Impact of Long-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: San Antonio to Rio Grande Valley**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$77,909,071	\$24,221,579	\$16,496,246	307
Forestry & Fishery Products	\$1,763,006	\$1,558,631	\$578,065	8
Coal Mining	\$8,913,219	\$2,581,420	\$2,720,212	21
Crude Petroleum & Natural Gas	\$84,464,099	\$18,443,105	\$8,505,939	49
Miscellaneous Mining	\$33,531,755	\$16,704,008	\$9,819,349	127
New Construction	\$1,361,857,600	\$538,584,039	\$443,826,793	7,283
Maintenance & Repair Construction	\$84,764,824	\$45,082,056	\$37,150,421	609
Food Products & Tobacco	\$154,467,034	\$40,018,551	\$20,443,389	398
Textile Mill Products	\$2,264,845	\$525,947	\$444,996	12
Apparel	\$35,782,715	\$19,905,922	\$10,086,637	320
Paper & Allied Products	\$26,445,074	\$11,691,728	\$5,285,745	93
Printing & Publishing	\$36,343,647	\$17,982,235	\$11,737,411	232
Chemicals & Petroleum Refining	\$287,480,684	\$45,392,372	\$21,314,352	183
Rubber & Leather Products	\$23,344,032	\$10,240,071	\$5,986,300	139
Lumber Products & Furniture	\$18,599,920	\$5,906,817	\$4,211,233	102
Stone, Clay, & Glass Products	\$157,532,955	\$72,971,390	\$38,164,341	724
Primary Metal	\$47,817,695	\$14,212,778	\$10,579,295	185
Fabricated Metal Products	\$135,408,203	\$51,794,108	\$33,438,344	666
Machinery, Except Electrical	\$18,295,322	\$7,711,982	\$5,509,470	68
Electric & Electronic Equipment	\$26,295,907	\$14,673,051	\$8,772,051	85
Motor Vehicles & Equipment	\$12,775,026	\$2,700,181	\$1,754,213	29
Transp. Equip., Exc. Motor Vehicles	\$6,517,687	\$2,752,330	\$1,798,546	25
Instruments & Related Products	\$4,296,024	\$1,784,012	\$1,356,011	21
Miscellaneous Manufacturing	\$16,905,679	\$7,420,314	\$5,117,877	95
Transportation	\$197,618,204	\$130,224,889	\$86,126,094	1,385
Communication	\$98,836,905	\$60,929,920	\$26,012,937	267
Electric, Gas, Water, Sanitary Services	\$202,754,103	\$45,614,979	\$19,905,160	98
Wholesale Trade	\$192,094,796	\$129,987,088	\$74,951,712	975
Retail Trade	\$449,652,311	\$372,532,616	\$222,762,592	6,795
Finance	\$68,019,586	\$36,726,328	\$21,385,848	221
Insurance	\$86,096,333	\$51,462,631	\$30,766,387	431
Real Estate	\$491,037,067	\$70,569,588	\$11,370,292	117
Hotels, Lodging Places, Amusements	\$47,330,625	\$24,697,138	\$16,202,179	459
Personal Services	\$90,398,565	\$55,657,578	\$43,302,493	849
Business Services	\$483,509,805	\$309,711,437	\$252,645,172	3,577
Eating & Drinking Places	\$202,591,359	\$118,668,202	\$63,137,817	3,321
Health Services	\$151,694,776	\$106,179,080	\$89,775,396	1,725
Miscellaneous Services	\$142,924,335	\$58,415,875	\$50,641,698	1,408
Households	\$6,799,750	\$6,799,750	\$6,655,864	535
<b>Total</b>	<b>\$5,575,134,545</b>	<b>\$2,553,035,726</b>	<b>\$1,720,738,877</b>	<b>33,945</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.14**  
**The Gross Potential Impact of Long-Term TTC-35 Construction Projects on**  
**Business Activity in Texas: Long-Term Total**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$136,062,455	\$42,301,205	\$28,809,478	536
Forestry & Fishery Products	\$3,078,960	\$2,722,035	\$1,009,549	15
Coal Mining	\$15,566,281	\$4,508,259	\$4,750,650	37
Crude Petroleum & Natural Gas	\$147,510,328	\$32,209,525	\$14,854,997	85
Miscellaneous Mining	\$58,560,741	\$29,172,320	\$17,148,770	221
New Construction	\$2,378,384,000	\$940,597,359	\$775,110,807	12,719
Maintenance & Repair Construction	\$148,035,522	\$78,732,490	\$64,880,474	1,064
Food Products & Tobacco	\$269,765,299	\$69,889,453	\$35,702,872	694
Textile Mill Products	\$3,955,384	\$918,528	\$777,154	21
Apparel	\$62,491,877	\$34,764,226	\$17,615,569	559
Paper & Allied Products	\$46,184,374	\$20,418,742	\$9,231,164	163
Printing & Publishing	\$63,471,504	\$31,404,650	\$20,498,523	405
Chemicals & Petroleum Refining	\$502,063,842	\$79,274,434	\$37,223,946	320
Rubber & Leather Products	\$40,768,633	\$17,883,531	\$10,454,631	242
Lumber Products & Furniture	\$32,483,391	\$10,315,821	\$7,354,608	178
Stone, Clay, & Glass Products	\$275,119,704	\$127,439,158	\$66,651,210	1,264
Primary Metal	\$83,510,083	\$24,821,570	\$18,475,960	323
Fabricated Metal Products	\$236,480,454	\$90,454,595	\$58,397,604	1,163
Machinery, Except Electrical	\$31,951,433	\$13,468,409	\$9,621,884	119
Electric & Electronic Equipment	\$45,923,864	\$25,625,402	\$15,319,741	148
Motor Vehicles & Equipment	\$22,310,642	\$4,715,667	\$3,063,604	51
Transp. Equip., Exc. Motor Vehicles	\$11,382,661	\$4,806,741	\$3,141,029	44
Instruments & Related Products	\$7,502,689	\$3,115,645	\$2,368,174	36
Miscellaneous Manufacturing	\$29,524,523	\$12,959,032	\$8,937,996	165
Transportation	\$345,125,639	\$227,428,177	\$150,412,881	2,419
Communication	\$172,611,376	\$106,409,619	\$45,429,678	467
Electric, Gas, Water, Sanitary Services	\$354,095,109	\$79,663,201	\$34,762,896	172
Wholesale Trade	\$335,479,414	\$227,012,875	\$130,897,645	1,703
Retail Trade	\$785,284,645	\$650,600,777	\$389,038,461	11,867
Finance	\$118,791,197	\$64,139,826	\$37,348,809	386
Insurance	\$150,360,905	\$89,875,695	\$53,731,230	752
Real Estate	\$857,560,074	\$123,244,589	\$19,857,377	205
Hotels, Lodging Places, Amusements	\$82,659,451	\$43,131,732	\$28,295,913	802
Personal Services	\$157,874,436	\$97,201,861	\$75,624,615	1,483
Business Services	\$844,414,264	\$540,888,215	\$441,226,185	6,247
Eating & Drinking Places	\$353,810,888	\$207,245,274	\$110,265,547	5,801
Health Services	\$264,923,755	\$185,433,944	\$156,786,117	3,013
Miscellaneous Services	\$249,606,825	\$102,019,024	\$88,441,996	2,458
Households	\$11,875,263	\$11,875,263	\$11,623,977	935
<b>Total</b>	<b>\$9,736,561,884</b>	<b>\$4,458,688,870</b>	<b>\$3,005,143,720</b>	<b>59,282</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table B.15**  
**The Total Gross Potential Impact of TTC-35 Construction Projects on**  
**Business Activity in Texas**  
**Detailed Sectoral Results**

Sector	Total Expenditures	Gross Product	Personal Income	Employment (Person-Years)
Agricultural Products & Services	\$635,742,020	\$195,125,739	\$132,891,501	2,470
Forestry & Fishery Products	\$14,821,361	\$12,808,899	\$4,750,568	70
Coal Mining	\$72,922,999	\$21,141,519	\$22,278,214	173
Crude Petroleum & Natural Gas	\$673,708,004	\$147,208,546	\$67,892,415	387
Miscellaneous Mining	\$257,396,869	\$128,082,093	\$75,292,275	972
New Construction	\$11,207,034,400	\$4,575,500,343	\$3,770,497,259	61,873
Maintenance & Repair Construction	\$692,296,384	\$368,009,701	\$303,262,906	4,975
Food Products & Tobacco	\$1,270,256,252	\$329,001,502	\$168,069,691	3,269
Textile Mill Products	\$18,602,037	\$4,320,570	\$3,655,569	97
Apparel	\$294,391,307	\$163,625,930	\$82,911,776	2,630
Paper & Allied Products	\$216,921,231	\$95,808,392	\$43,314,275	766
Printing & Publishing	\$296,506,707	\$146,694,386	\$95,750,731	1,891
Chemicals & Petroleum Refining	\$2,269,555,920	\$358,148,461	\$168,171,482	1,445
Rubber & Leather Products	\$192,215,937	\$84,228,116	\$49,239,378	1,141
Lumber Products & Furniture	\$191,433,210	\$57,449,098	\$40,958,021	991
Stone, Clay, & Glass Products	\$1,212,450,853	\$564,130,313	\$295,042,502	5,595
Primary Metal	\$412,734,196	\$122,292,240	\$91,028,352	1,594
Fabricated Metal Products	\$1,115,110,188	\$426,518,885	\$275,361,144	5,486
Machinery, Except Electrical	\$154,908,636	\$64,950,779	\$46,401,093	574
Electric & Electronic Equipment	\$232,377,241	\$132,149,267	\$79,003,346	762
Motor Vehicles & Equipment	\$104,968,036	\$22,160,345	\$14,396,803	237
Transp. Equip., Exc. Motor Vehicles	\$53,626,634	\$22,761,382	\$14,873,729	209
Instruments & Related Products	\$36,148,080	\$15,023,549	\$11,419,261	172
Miscellaneous Manufacturing	\$133,791,164	\$58,197,749	\$40,139,669	741
Transportation	\$1,617,601,988	\$1,067,033,195	\$705,697,675	11,352
Communication	\$808,836,582	\$498,697,445	\$212,909,932	2,189
Electric, Gas, Water, Sanitary Services	\$1,660,397,594	\$373,702,841	\$163,073,950	805
Wholesale Trade	\$1,575,182,253	\$1,066,005,791	\$614,668,431	7,998
Retail Trade	\$3,701,489,850	\$3,066,692,344	\$1,833,783,963	55,938
Finance	\$557,660,036	\$301,144,867	\$175,357,538	1,813
Insurance	\$707,923,400	\$423,238,317	\$253,028,534	3,543
Real Estate	\$4,031,805,045	\$577,303,369	\$93,016,097	959
Hotels, Lodging Places, Amusements	\$387,694,695	\$202,355,903	\$132,752,491	3,762
Personal Services	\$743,522,673	\$457,809,917	\$356,183,498	6,984
Business Services	\$3,823,388,411	\$2,446,946,771	\$1,996,081,556	28,261
Eating & Drinking Places	\$1,663,771,261	\$974,525,639	\$518,499,651	27,276
Health Services	\$1,248,199,385	\$873,615,331	\$738,649,851	14,196
Miscellaneous Services	\$1,168,957,428	\$478,114,783	\$414,485,694	11,521
Households	\$56,032,400	\$56,032,400	\$54,846,733	4,410
<b>Total</b>	<b>\$45,512,382,667</b>	<b>\$20,978,556,718</b>	<b>\$14,159,637,555</b>	<b>279,525</b>

Note: All monetary values are in constant 2005 dollars.

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

**APPENDIX C**

**Potential Impact of Offsets to TTC-35**

**Construction Outlays on the TTC-35 Study Area**

**Table C.1**  
**The Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$30,442,864)	(\$9,313,641)	(\$6,343,109)	-118
Forestry & Fishery Products	(\$643,968)	(\$551,201)	(\$204,431)	-3
Coal Mining	(\$4,278,124)	(\$1,240,774)	(\$1,307,484)	-10
Crude Petroleum & Natural Gas	(\$25,120,962)	(\$5,490,361)	(\$2,532,149)	-14
Miscellaneous Mining	(\$18,678,335)	(\$9,291,290)	(\$5,461,830)	-70
New Construction	(\$833,198,378)	(\$343,651,745)	(\$283,190,442)	-4,647
Maintenance & Repair Construction	(\$47,711,597)	(\$25,368,669)	(\$20,905,366)	-343
Food Products & Tobacco	(\$93,002,335)	(\$24,087,430)	(\$12,305,010)	-239
Textile Mill Products	(\$1,370,071)	(\$318,287)	(\$269,300)	-7
Apparel	(\$21,718,050)	(\$12,068,116)	(\$6,115,099)	-194
Paper & Allied Products	(\$15,685,391)	(\$6,925,416)	(\$3,130,930)	-55
Printing & Publishing	(\$21,778,236)	(\$10,771,952)	(\$7,031,097)	-139
Chemicals & Petroleum Refining	(\$63,684,243)	(\$10,049,566)	(\$4,718,854)	-41
Rubber & Leather Products	(\$14,182,841)	(\$6,213,593)	(\$3,632,439)	-84
Lumber Products & Furniture	(\$15,118,433)	(\$4,469,786)	(\$3,186,712)	-77
Stone, Clay, & Glass Products	(\$88,043,687)	(\$41,024,865)	(\$21,456,176)	-407
Primary Metal	(\$28,534,256)	(\$8,447,342)	(\$6,287,786)	-110
Fabricated Metal Products	(\$65,458,680)	(\$25,039,267)	(\$16,165,384)	-322
Machinery, Except Electrical	(\$10,957,772)	(\$4,587,943)	(\$3,277,647)	-41
Electric & Electronic Equipment	(\$17,592,091)	(\$10,063,547)	(\$6,016,332)	-58
Motor Vehicles & Equipment	(\$7,741,819)	(\$1,632,961)	(\$1,060,880)	-17
Transp. Equip., Exc. Motor Vehicles	(\$3,961,405)	(\$1,684,101)	(\$1,100,500)	-15
Instruments & Related Products	(\$2,686,410)	(\$1,116,907)	(\$848,951)	-13
Miscellaneous Manufacturing	(\$9,770,724)	(\$4,238,760)	(\$2,923,521)	-54
Transportation	(\$119,367,005)	(\$78,746,403)	(\$52,080,060)	-838
Communication	(\$59,309,388)	(\$36,568,760)	(\$15,612,377)	-161
Electric, Gas, Water, Sanitary Services	(\$88,064,884)	(\$19,813,432)	(\$8,646,055)	-43
Wholesale Trade	(\$116,236,590)	(\$78,665,879)	(\$45,359,445)	-590
Retail Trade	(\$270,662,817)	(\$224,245,167)	(\$134,091,439)	-4,090
Finance	(\$41,099,074)	(\$22,198,858)	(\$12,926,459)	-134
Insurance	(\$52,191,265)	(\$31,204,892)	(\$18,655,514)	-261
Real Estate	(\$295,278,077)	(\$42,419,391)	(\$6,834,684)	-71
Hotels, Lodging Places, Amusements	(\$28,418,191)	(\$14,832,440)	(\$9,730,593)	-276
Personal Services	(\$52,382,648)	(\$32,276,750)	(\$25,111,835)	-492
Business Services	(\$279,526,174)	(\$178,890,436)	(\$145,928,756)	-2,066
Eating & Drinking Places	(\$121,634,885)	(\$71,244,986)	(\$37,906,137)	-1,994
Health Services	(\$91,103,286)	(\$63,753,896)	(\$53,904,511)	-1,036
Miscellaneous Services	(\$85,009,234)	(\$34,781,681)	(\$30,152,821)	-838
Households	(\$3,714,624)	(\$3,714,624)	(\$3,636,022)	-292
<b>Total</b>	<b>(\$3,145,358,818)</b>	<b>(\$1,501,005,115)</b>	<b>(\$1,020,048,133)</b>	<b>-20,262</b>

\*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 C.2**  
**The Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$1,387,756)	(\$431,978)	(\$294,201)	-5
Forestry & Fishery Products	(\$28,208)	(\$24,887)	(\$9,230)	0
Coal Mining	(\$194,328)	(\$56,283)	(\$59,309)	0
Crude Petroleum & Natural Gas	(\$1,180,839)	(\$257,841)	(\$118,916)	-1
Miscellaneous Mining	(\$924,589)	(\$460,613)	(\$270,769)	-3
New Construction	(\$37,565,959)	(\$14,856,492)	(\$12,242,674)	-201
Maintenance & Repair Construction	(\$2,172,288)	(\$1,155,826)	(\$952,472)	-16
Food Products & Tobacco	(\$4,195,724)	(\$1,087,086)	(\$555,336)	-11
Textile Mill Products	(\$61,913)	(\$14,380)	(\$12,167)	0
Apparel	(\$979,266)	(\$544,792)	(\$276,054)	-9
Paper & Allied Products	(\$710,052)	(\$313,921)	(\$141,921)	-3
Printing & Publishing	(\$993,046)	(\$491,233)	(\$320,639)	-6
Chemicals & Petroleum Refining	(\$3,035,319)	(\$479,356)	(\$225,086)	-2
Rubber & Leather Products	(\$638,790)	(\$280,255)	(\$163,836)	-4
Lumber Products & Furniture	(\$510,942)	(\$162,190)	(\$115,633)	-3
Stone, Clay, & Glass Products	(\$4,342,685)	(\$2,011,339)	(\$1,051,939)	-20
Primary Metal	(\$1,207,990)	(\$359,091)	(\$267,290)	-5
Fabricated Metal Products	(\$2,948,327)	(\$1,127,849)	(\$728,141)	-15
Machinery, Except Electrical	(\$475,577)	(\$200,537)	(\$143,264)	-2
Electric & Electronic Equipment	(\$721,987)	(\$402,973)	(\$240,911)	-2
Motor Vehicles & Equipment	(\$349,679)	(\$73,872)	(\$47,992)	-1
Transp. Equip., Exc. Motor Vehicles	(\$178,608)	(\$75,417)	(\$49,282)	-1
Instruments & Related Products	(\$117,555)	(\$48,822)	(\$37,109)	-1
Miscellaneous Manufacturing	(\$464,158)	(\$203,827)	(\$140,582)	-3
Transportation	(\$5,419,254)	(\$3,570,229)	(\$2,361,222)	-38
Communication	(\$2,693,068)	(\$1,660,147)	(\$708,770)	-7
Electric, Gas, Water, Sanitary Services	(\$3,990,417)	(\$897,381)	(\$391,593)	-2
Wholesale Trade	(\$5,264,551)	(\$3,562,426)	(\$2,054,126)	-27
Retail Trade	(\$12,191,150)	(\$10,100,219)	(\$6,039,608)	-184
Finance	(\$1,861,840)	(\$1,005,448)	(\$585,475)	-6
Insurance	(\$2,355,080)	(\$1,407,694)	(\$841,575)	-12
Real Estate	(\$13,346,995)	(\$1,927,174)	(\$310,509)	-3
Hotels, Lodging Places, Amusements	(\$1,288,743)	(\$672,384)	(\$441,107)	-13
Personal Services	(\$2,361,867)	(\$1,455,187)	(\$1,132,159)	-22
Business Services	(\$13,293,025)	(\$8,517,124)	(\$6,947,790)	-98
Eating & Drinking Places	(\$5,496,274)	(\$3,219,461)	(\$1,712,925)	-90
Health Services	(\$4,106,241)	(\$2,873,807)	(\$2,429,830)	-47
Miscellaneous Services	(\$3,863,064)	(\$1,579,097)	(\$1,368,946)	-38
Households	(\$167,139)	(\$167,139)	(\$163,602)	-13
<b>Total</b>	<b>(\$143,084,295)</b>	<b>(\$67,735,775)</b>	<b>(\$45,953,992)</b>	<b>-912</b>

\*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 C.3**  
**The Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$8,665,765)	(\$2,697,460)	(\$1,837,121)	-34
Forestry & Fishery Products	(\$176,142)	(\$155,404)	(\$57,637)	-1
Coal Mining	(\$1,213,471)	(\$351,453)	(\$370,349)	-3
Crude Petroleum & Natural Gas	(\$7,373,682)	(\$1,610,071)	(\$742,563)	-4
Miscellaneous Mining	(\$5,773,542)	(\$2,876,274)	(\$1,690,800)	-22
New Construction	(\$234,578,545)	(\$92,770,537)	(\$76,448,700)	-1,255
Maintenance & Repair Construction	(\$13,564,732)	(\$7,217,488)	(\$5,947,661)	-98
Food Products & Tobacco	(\$26,199,968)	(\$6,788,250)	(\$3,467,763)	-67
Textile Mill Products	(\$386,615)	(\$89,795)	(\$75,975)	-2
Apparel	(\$6,114,974)	(\$3,401,923)	(\$1,723,806)	-55
Paper & Allied Products	(\$4,433,882)	(\$1,960,262)	(\$886,220)	-16
Printing & Publishing	(\$6,201,020)	(\$3,067,478)	(\$2,002,212)	-40
Chemicals & Petroleum Refining	(\$18,953,883)	(\$2,993,313)	(\$1,405,534)	-12
Rubber & Leather Products	(\$3,988,888)	(\$1,750,039)	(\$1,023,065)	-24
Lumber Products & Furniture	(\$3,190,551)	(\$1,012,789)	(\$722,063)	-17
Stone, Clay, & Glass Products	(\$27,117,655)	(\$12,559,695)	(\$6,568,773)	-125
Primary Metal	(\$7,543,228)	(\$2,242,324)	(\$1,669,076)	-29
Fabricated Metal Products	(\$18,410,664)	(\$7,042,793)	(\$4,546,837)	-91
Machinery, Except Electrical	(\$2,969,716)	(\$1,252,242)	(\$894,607)	-11
Electric & Electronic Equipment	(\$4,508,409)	(\$2,516,342)	(\$1,504,355)	-15
Motor Vehicles & Equipment	(\$2,183,551)	(\$461,290)	(\$299,685)	-5
Transp. Equip., Exc. Motor Vehicles	(\$1,115,307)	(\$470,936)	(\$307,740)	-4
Instruments & Related Products	(\$734,064)	(\$304,866)	(\$231,726)	-4
Miscellaneous Manufacturing	(\$2,898,406)	(\$1,272,785)	(\$877,854)	-16
Transportation	(\$33,840,233)	(\$22,294,099)	(\$14,744,521)	-237
Communication	(\$16,816,716)	(\$10,366,697)	(\$4,425,875)	-46
Electric, Gas, Water, Sanitary Services	(\$24,917,937)	(\$5,603,645)	(\$2,445,282)	-12
Wholesale Trade	(\$32,874,193)	(\$22,245,371)	(\$12,826,879)	-167
Retail Trade	(\$76,126,959)	(\$63,070,257)	(\$37,713,997)	-1,150
Finance	(\$11,626,157)	(\$6,278,462)	(\$3,655,966)	-38
Insurance	(\$14,706,169)	(\$8,790,266)	(\$5,255,167)	-74
Real Estate	(\$83,344,572)	(\$12,034,129)	(\$1,938,959)	-20
Hotels, Lodging Places, Amusements	(\$8,047,487)	(\$4,198,666)	(\$2,754,470)	-78
Personal Services	(\$14,748,549)	(\$9,086,833)	(\$7,069,703)	-139
Business Services	(\$83,007,554)	(\$53,184,706)	(\$43,385,091)	-614
Eating & Drinking Places	(\$34,321,177)	(\$20,103,746)	(\$10,696,266)	-563
Health Services	(\$25,641,191)	(\$17,945,327)	(\$15,172,941)	-292
Miscellaneous Services	(\$24,122,688)	(\$9,860,584)	(\$8,548,305)	-238
Households	(\$1,043,689)	(\$1,043,689)	(\$1,021,604)	-82
<b>Total</b>	<b>(\$893,481,930)</b>	<b>(\$422,972,287)</b>	<b>(\$286,957,150)</b>	<b>-5,696</b>

\*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 C.4**  
**The Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$40,496,385)	(\$12,443,079)	(\$8,474,431)	-157
Forestry & Fishery Products	(\$848,318)	(\$731,492)	(\$271,297)	-4
Coal Mining	(\$5,685,923)	(\$1,648,510)	(\$1,737,142)	-14
Crude Petroleum & Natural Gas	(\$33,675,483)	(\$7,358,273)	(\$3,393,627)	-19
Miscellaneous Mining	(\$25,376,465)	(\$12,628,177)	(\$7,423,399)	-96
New Construction	(\$1,105,342,882)	(\$451,278,773)	(\$371,881,816)	-6,103
Maintenance & Repair Construction	(\$63,448,616)	(\$33,741,983)	(\$27,805,499)	-456
Food Products & Tobacco	(\$123,398,027)	(\$31,962,766)	(\$16,328,108)	-317
Textile Mill Products	(\$1,818,599)	(\$422,462)	(\$357,441)	-9
Apparel	(\$28,812,290)	(\$16,014,832)	(\$8,114,960)	-257
Paper & Allied Products	(\$20,829,325)	(\$9,199,599)	(\$4,159,072)	-74
Printing & Publishing	(\$28,972,303)	(\$14,330,663)	(\$9,353,948)	-185
Chemicals & Petroleum Refining	(\$85,673,445)	(\$13,522,236)	(\$6,349,474)	-55
Rubber & Leather Products	(\$18,810,518)	(\$8,243,887)	(\$4,819,340)	-112
Lumber Products & Furniture	(\$18,819,926)	(\$5,644,766)	(\$4,024,408)	-97
Stone, Clay, & Glass Products	(\$119,504,026)	(\$55,595,899)	(\$29,076,888)	-551
Primary Metal	(\$37,285,475)	(\$11,048,757)	(\$8,224,152)	-144
Fabricated Metal Products	(\$86,817,672)	(\$33,209,910)	(\$21,440,361)	-427
Machinery, Except Electrical	(\$14,403,066)	(\$6,040,722)	(\$4,315,518)	-53
Electric & Electronic Equipment	(\$22,822,488)	(\$12,982,861)	(\$7,761,598)	-75
Motor Vehicles & Equipment	(\$10,275,049)	(\$2,168,123)	(\$1,408,557)	-23
Transp. Equip., Exc. Motor Vehicles	(\$5,255,320)	(\$2,230,453)	(\$1,457,522)	-20
Instruments & Related Products	(\$3,538,029)	(\$1,470,595)	(\$1,117,787)	-17
Miscellaneous Manufacturing	(\$13,133,288)	(\$5,715,371)	(\$3,941,957)	-73
Transportation	(\$158,626,493)	(\$104,610,732)	(\$69,185,803)	-1,113
Communication	(\$78,819,173)	(\$48,595,604)	(\$20,747,022)	-214
Electric, Gas, Water, Sanitary Services	(\$116,973,238)	(\$26,314,459)	(\$11,482,930)	-57
Wholesale Trade	(\$154,375,334)	(\$104,473,675)	(\$60,240,450)	-784
Retail Trade	(\$358,980,926)	(\$297,415,643)	(\$177,845,044)	-5,425
Finance	(\$54,587,072)	(\$29,482,768)	(\$17,167,901)	-178
Insurance	(\$69,252,515)	(\$41,402,852)	(\$24,752,256)	-347
Real Estate	(\$391,969,644)	(\$56,380,693)	(\$9,084,152)	-94
Hotels, Lodging Places, Amusements	(\$37,754,422)	(\$19,703,490)	(\$12,926,170)	-366
Personal Services	(\$69,493,064)	(\$42,818,770)	(\$33,313,697)	-653
Business Services	(\$375,826,754)	(\$240,592,266)	(\$196,261,637)	-2,779
Eating & Drinking Places	(\$161,452,336)	(\$94,568,193)	(\$50,315,328)	-2,647
Health Services	(\$120,850,718)	(\$84,573,030)	(\$71,507,282)	-1,374
Miscellaneous Services	(\$112,994,986)	(\$46,221,363)	(\$40,070,072)	-1,114
Households	(\$4,925,451)	(\$4,925,451)	(\$4,821,229)	-388
<b>Total</b>	<b>(\$4,181,925,043)</b>	<b>(\$1,991,713,178)</b>	<b>(\$1,352,959,276)</b>	<b>-26,870</b>

\*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 D**

**Potential Impact of Offsets to TTC-35**

**Construction Outlays on Texas**

**Table D.1**  
**The Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$47,134,016)	(\$14,404,853)	(\$9,810,507)	-182
Forestry & Fishery Products	(\$1,109,514)	(\$951,867)	(\$353,029)	-5
Coal Mining	(\$5,411,192)	(\$1,569,321)	(\$1,653,697)	-13
Crude Petroleum & Natural Gas	(\$49,568,664)	(\$10,833,541)	(\$4,996,417)	-28
Miscellaneous Mining	(\$18,686,133)	(\$9,294,641)	(\$5,463,798)	-71
New Construction	(\$833,198,378)	(\$343,651,745)	(\$283,190,442)	-4,647
Maintenance & Repair Construction	(\$51,341,930)	(\$27,287,673)	(\$22,486,742)	-369
Food Products & Tobacco	(\$94,416,932)	(\$24,452,176)	(\$12,491,340)	-243
Textile Mill Products	(\$1,382,116)	(\$321,033)	(\$271,621)	-7
Apparel	(\$21,885,055)	(\$12,160,458)	(\$6,161,891)	-195
Paper & Allied Products	(\$16,110,200)	(\$7,113,126)	(\$3,215,792)	-57
Printing & Publishing	(\$21,981,602)	(\$10,874,927)	(\$7,098,310)	-140
Chemicals & Petroleum Refining	(\$166,396,684)	(\$26,253,054)	(\$12,327,332)	-106
Rubber & Leather Products	(\$14,293,224)	(\$6,261,060)	(\$3,660,187)	-85
Lumber Products & Furniture	(\$15,164,056)	(\$4,485,790)	(\$3,198,120)	-77
Stone, Clay, & Glass Products	(\$88,102,948)	(\$41,057,710)	(\$21,473,353)	-407
Primary Metal	(\$31,152,151)	(\$9,221,422)	(\$6,863,975)	-120
Fabricated Metal Products	(\$82,923,561)	(\$31,717,106)	(\$20,476,605)	-408
Machinery, Except Electrical	(\$11,622,528)	(\$4,864,944)	(\$3,475,535)	-43
Electric & Electronic Equipment	(\$17,664,426)	(\$10,101,636)	(\$6,039,103)	-58
Motor Vehicles & Equipment	(\$7,800,057)	(\$1,646,075)	(\$1,069,398)	-18
Transp. Equip., Exc. Motor Vehicles	(\$3,986,711)	(\$1,694,934)	(\$1,107,577)	-16
Instruments & Related Products	(\$2,706,774)	(\$1,125,258)	(\$855,298)	-13
Miscellaneous Manufacturing	(\$9,817,422)	(\$4,257,182)	(\$2,936,228)	-54
Transportation	(\$120,052,386)	(\$79,217,555)	(\$52,391,664)	-843
Communication	(\$60,024,147)	(\$37,010,394)	(\$15,800,924)	-162
Electric, Gas, Water, Sanitary Services	(\$123,246,967)	(\$27,742,688)	(\$12,106,169)	-60
Wholesale Trade	(\$116,972,315)	(\$79,163,744)	(\$45,646,520)	-594
Retail Trade	(\$275,220,151)	(\$228,021,549)	(\$136,349,595)	-4,159
Finance	(\$41,409,086)	(\$22,362,589)	(\$13,021,801)	-135
Insurance	(\$52,617,133)	(\$31,459,786)	(\$18,807,899)	-263
Real Estate	(\$299,528,882)	(\$42,836,921)	(\$6,901,957)	-71
Hotels, Lodging Places, Amusements	(\$28,779,853)	(\$15,022,927)	(\$9,855,561)	-279
Personal Services	(\$55,268,538)	(\$34,031,272)	(\$26,476,878)	-519
Business Services	(\$280,477,076)	(\$179,450,189)	(\$146,385,372)	-2,073
Eating & Drinking Places	(\$123,612,231)	(\$72,403,003)	(\$38,522,262)	-2,026
Health Services	(\$92,795,466)	(\$64,946,024)	(\$54,912,465)	-1,055
Miscellaneous Services	(\$86,732,507)	(\$35,482,728)	(\$30,760,570)	-855
Households	(\$4,167,624)	(\$4,167,624)	(\$4,079,436)	-328
<b>Total</b>	<b>(\$3,374,760,639)</b>	<b>(\$1,558,920,529)</b>	<b>(\$1,052,695,372)</b>	<b>-20,786</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table D.2**  
**The Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$2,149,071)	(\$668,137)	(\$455,038)	-8
Forestry & Fishery Products	(\$48,631)	(\$42,994)	(\$15,946)	0
Coal Mining	(\$245,865)	(\$71,207)	(\$75,035)	-1
Crude Petroleum & Natural Gas	(\$2,329,887)	(\$508,741)	(\$234,631)	-1
Miscellaneous Mining	(\$924,952)	(\$460,769)	(\$270,860)	-3
New Construction	(\$37,565,959)	(\$14,856,492)	(\$12,242,674)	-201
Maintenance & Repair Construction	(\$2,338,183)	(\$1,243,559)	(\$1,024,770)	-17
Food Products & Tobacco	(\$4,260,873)	(\$1,103,886)	(\$563,918)	-11
Textile Mill Products	(\$62,474)	(\$14,508)	(\$12,275)	0
Apparel	(\$987,043)	(\$549,092)	(\$278,233)	-9
Paper & Allied Products	(\$729,470)	(\$322,509)	(\$145,804)	-3
Printing & Publishing	(\$1,002,516)	(\$496,028)	(\$323,769)	-6
Chemicals & Petroleum Refining	(\$7,929,968)	(\$1,252,119)	(\$587,943)	-5
Rubber & Leather Products	(\$643,930)	(\$282,466)	(\$165,128)	-4
Lumber Products & Furniture	(\$513,067)	(\$162,936)	(\$116,164)	-3
Stone, Clay, & Glass Products	(\$4,345,444)	(\$2,012,868)	(\$1,052,739)	-20
Primary Metal	(\$1,319,020)	(\$392,050)	(\$291,823)	-5
Fabricated Metal Products	(\$3,735,148)	(\$1,428,707)	(\$922,375)	-18
Machinery, Except Electrical	(\$504,665)	(\$212,730)	(\$151,975)	-2
Electric & Electronic Equipment	(\$725,356)	(\$404,747)	(\$241,971)	-2
Motor Vehicles & Equipment	(\$352,391)	(\$74,483)	(\$48,389)	-1
Transp. Equip., Exc. Motor Vehicles	(\$179,786)	(\$75,921)	(\$49,612)	-1
Instruments & Related Products	(\$118,503)	(\$49,211)	(\$37,405)	-1
Miscellaneous Manufacturing	(\$466,332)	(\$204,685)	(\$141,173)	-3
Transportation	(\$5,451,170)	(\$3,592,169)	(\$2,375,732)	-38
Communication	(\$2,726,352)	(\$1,680,712)	(\$717,550)	-7
Electric, Gas, Water, Sanitary Services	(\$5,592,841)	(\$1,258,260)	(\$549,071)	-3
Wholesale Trade	(\$5,298,810)	(\$3,585,610)	(\$2,067,494)	-27
Retail Trade	(\$12,403,368)	(\$10,276,071)	(\$6,144,762)	-187
Finance	(\$1,876,276)	(\$1,013,072)	(\$589,915)	-6
Insurance	(\$2,374,912)	(\$1,419,563)	(\$848,671)	-12
Real Estate	(\$13,544,939)	(\$1,946,616)	(\$313,642)	-3
Hotels, Lodging Places, Amusements	(\$1,305,585)	(\$681,255)	(\$446,927)	-13
Personal Services	(\$2,493,586)	(\$1,535,278)	(\$1,194,471)	-23
Business Services	(\$13,337,305)	(\$8,543,189)	(\$6,969,053)	-99
Eating & Drinking Places	(\$5,588,351)	(\$3,273,385)	(\$1,741,616)	-92
Health Services	(\$4,184,402)	(\$2,928,881)	(\$2,476,396)	-48
Miscellaneous Services	(\$3,942,475)	(\$1,611,364)	(\$1,396,918)	-39
Households	(\$187,567)	(\$187,567)	(\$183,598)	-15
<b>Total</b>	<b>(\$153,786,473)</b>	<b>(\$70,423,836)</b>	<b>(\$47,465,467)</b>	<b>-936</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table D.3**  
**The Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$13,419,756)	(\$4,172,142)	(\$2,841,461)	-53
Forestry & Fishery Products	(\$303,676)	(\$268,473)	(\$99,571)	-1
Coal Mining	(\$1,535,293)	(\$444,647)	(\$468,554)	-4
Crude Petroleum & Natural Gas	(\$14,548,853)	(\$3,176,806)	(\$1,465,139)	-8
Miscellaneous Mining	(\$5,775,810)	(\$2,877,248)	(\$1,691,373)	-22
New Construction	(\$234,578,545)	(\$92,770,537)	(\$76,448,700)	-1,255
Maintenance & Repair Construction	(\$14,600,652)	(\$7,765,337)	(\$6,399,121)	-105
Food Products & Tobacco	(\$26,606,785)	(\$6,893,154)	(\$3,521,352)	-68
Textile Mill Products	(\$390,117)	(\$90,594)	(\$76,650)	-2
Apparel	(\$6,163,535)	(\$3,428,774)	(\$1,737,413)	-55
Paper & Allied Products	(\$4,555,136)	(\$2,013,888)	(\$910,464)	-16
Printing & Publishing	(\$6,260,155)	(\$3,097,421)	(\$2,021,757)	-40
Chemicals & Petroleum Refining	(\$49,518,247)	(\$7,818,789)	(\$3,671,375)	-32
Rubber & Leather Products	(\$4,020,985)	(\$1,763,842)	(\$1,031,134)	-24
Lumber Products & Furniture	(\$3,203,817)	(\$1,017,443)	(\$725,380)	-18
Stone, Clay, & Glass Products	(\$27,134,887)	(\$12,569,245)	(\$6,573,768)	-125
Primary Metal	(\$8,236,548)	(\$2,448,136)	(\$1,822,273)	-32
Fabricated Metal Products	(\$23,323,921)	(\$8,921,481)	(\$5,759,720)	-115
Machinery, Except Electrical	(\$3,151,350)	(\$1,328,381)	(\$949,001)	-12
Electric & Electronic Equipment	(\$4,529,442)	(\$2,527,418)	(\$1,510,977)	-15
Motor Vehicles & Equipment	(\$2,200,485)	(\$465,103)	(\$302,161)	-5
Transp. Equip., Exc. Motor Vehicles	(\$1,122,665)	(\$474,086)	(\$309,798)	-4
Instruments & Related Products	(\$739,986)	(\$307,294)	(\$233,572)	-4
Miscellaneous Manufacturing	(\$2,911,985)	(\$1,278,141)	(\$881,549)	-16
Transportation	(\$34,039,529)	(\$22,431,101)	(\$14,835,130)	-239
Communication	(\$17,024,553)	(\$10,495,115)	(\$4,480,701)	-46
Electric, Gas, Water, Sanitary Services	(\$34,924,182)	(\$7,857,132)	(\$3,428,643)	-17
Wholesale Trade	(\$33,088,127)	(\$22,390,140)	(\$12,910,354)	-168
Retail Trade	(\$77,452,140)	(\$64,168,353)	(\$38,370,623)	-1,170
Finance	(\$11,716,302)	(\$6,326,071)	(\$3,683,690)	-38
Insurance	(\$14,830,003)	(\$8,864,384)	(\$5,299,478)	-74
Real Estate	(\$84,580,621)	(\$12,155,538)	(\$1,958,521)	-20
Hotels, Lodging Places, Amusements	(\$8,152,651)	(\$4,254,056)	(\$2,790,808)	-79
Personal Services	(\$15,571,058)	(\$9,586,960)	(\$7,458,809)	-146
Business Services	(\$83,284,057)	(\$53,347,471)	(\$43,517,866)	-616
Eating & Drinking Places	(\$34,896,149)	(\$20,440,473)	(\$10,875,423)	-572
Health Services	(\$26,129,266)	(\$18,289,235)	(\$15,463,718)	-297
Miscellaneous Services	(\$24,618,567)	(\$10,062,073)	(\$8,722,979)	-242
Households	(\$1,171,250)	(\$1,171,250)	(\$1,146,466)	-92
<b>Total</b>	<b>(\$960,311,086)</b>	<b>(\$439,757,730)</b>	<b>(\$296,395,469)</b>	<b>-5,847</b>

Note: All monetary values are in constant 2005 dollars.

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

**Table D.4**  
**The Offsetting Potential Impact of Foregone 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)
Agricultural Products & Services	(\$62,702,843)	(\$19,245,131)	(\$13,107,007)	-244
Forestry & Fishery Products	(\$1,461,822)	(\$1,263,334)	(\$468,546)	-7
Coal Mining	(\$7,192,350)	(\$2,085,175)	(\$2,197,286)	-17
Crude Petroleum & Natural Gas	(\$66,447,404)	(\$14,519,088)	(\$6,696,187)	-38
Miscellaneous Mining	(\$25,386,894)	(\$12,632,658)	(\$7,426,031)	-96
New Construction	(\$1,105,342,882)	(\$451,278,773)	(\$371,881,816)	-6,103
Maintenance & Repair Construction	(\$68,280,765)	(\$36,296,570)	(\$29,910,633)	-491
Food Products & Tobacco	(\$125,284,590)	(\$32,449,215)	(\$16,576,610)	-322
Textile Mill Products	(\$1,834,707)	(\$426,135)	(\$360,546)	-10
Apparel	(\$29,035,633)	(\$16,138,324)	(\$8,177,537)	-259
Paper & Allied Products	(\$21,394,807)	(\$9,449,523)	(\$4,272,060)	-76
Printing & Publishing	(\$29,244,273)	(\$14,468,377)	(\$9,443,835)	-187
Chemicals & Petroleum Refining	(\$223,844,899)	(\$35,323,962)	(\$16,586,649)	-143
Rubber & Leather Products	(\$18,958,139)	(\$8,307,367)	(\$4,856,449)	-113
Lumber Products & Furniture	(\$18,880,939)	(\$5,666,169)	(\$4,039,664)	-98
Stone, Clay, & Glass Products	(\$119,583,279)	(\$55,639,824)	(\$29,099,860)	-552
Primary Metal	(\$40,707,719)	(\$12,061,608)	(\$8,978,070)	-157
Fabricated Metal Products	(\$109,982,629)	(\$42,067,294)	(\$27,158,700)	-541
Machinery, Except Electrical	(\$15,278,543)	(\$6,406,055)	(\$4,576,511)	-57
Electric & Electronic Equipment	(\$22,919,224)	(\$13,033,801)	(\$7,792,051)	-75
Motor Vehicles & Equipment	(\$10,352,933)	(\$2,185,661)	(\$1,419,948)	-23
Transp. Equip., Exc. Motor Vehicles	(\$5,289,162)	(\$2,244,941)	(\$1,466,987)	-21
Instruments & Related Products	(\$3,565,263)	(\$1,481,763)	(\$1,126,275)	-17
Miscellaneous Manufacturing	(\$13,195,740)	(\$5,740,008)	(\$3,958,951)	-73
Transportation	(\$159,543,085)	(\$105,240,825)	(\$69,602,526)	-1,120
Communication	(\$79,775,053)	(\$49,186,221)	(\$20,999,175)	-216
Electric, Gas, Water, Sanitary Services	(\$163,763,989)	(\$36,858,080)	(\$16,083,883)	-79
Wholesale Trade	(\$155,359,253)	(\$105,139,493)	(\$60,624,368)	-789
Retail Trade	(\$365,075,658)	(\$302,465,972)	(\$180,864,980)	-5,517
Finance	(\$55,001,665)	(\$29,701,732)	(\$17,295,406)	-179
Insurance	(\$69,822,048)	(\$41,743,734)	(\$24,956,048)	-349
Real Estate	(\$397,654,442)	(\$56,939,075)	(\$9,174,120)	-95
Hotels, Lodging Places, Amusements	(\$38,238,088)	(\$19,958,238)	(\$13,093,296)	-371
Personal Services	(\$73,333,182)	(\$45,153,509)	(\$35,130,158)	-689
Business Services	(\$377,098,438)	(\$241,340,849)	(\$196,872,291)	-2,787
Eating & Drinking Places	(\$164,096,732)	(\$96,116,862)	(\$51,139,300)	-2,690
Health Services	(\$123,109,135)	(\$86,164,141)	(\$72,852,579)	-1,400
Miscellaneous Services	(\$115,293,549)	(\$47,156,166)	(\$40,880,468)	-1,136
Households	(\$5,526,441)	(\$5,526,441)	(\$5,409,499)	-435
<b>Total</b>	<b>(\$4,488,858,198)</b>	<b>(\$2,069,102,095)</b>	<b>(\$1,396,556,308)</b>	<b>-27,569</b>

Note: All monetary values are in constant 2005 dollars.

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