

**ECONOMIC IMPACTS FROM HIGHWAY CONSTRUCTION
TOTAL OUTPUT IMPACTS BY TOP TEN INDUSTRIES AFFECTED**

Top 10 Industries Affected	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
New Hwy and Streets	\$109,483,000	\$121,042,300	\$102,470,700	\$103,257,600	\$103,743,600
Reach 5	\$12,043,130	\$12,757,858	\$11,527,954	\$10,883,351	\$10,934,575
Reach 6	\$30,304,894	\$28,953,318	\$28,271,666	\$24,699,218	\$24,815,469
Reach 7	\$55,245,122	\$63,220,393	\$57,885,698	\$62,842,575	\$63,138,355
Reach 8	\$11,857,009	\$16,110,730	\$4,795,629	\$4,832,456	\$4,855,200
Wholesale Trade	\$6,417,862	\$7,095,465	\$6,006,803	\$6,052,931	\$6,081,420
Reach 5	\$705,965	\$747,862	\$675,765	\$637,979	\$640,982
Reach 6	\$1,776,464	\$1,697,235	\$1,657,277	\$1,447,861	\$1,454,676
Reach 7	\$3,238,453	\$3,705,961	\$3,393,243	\$3,683,814	\$3,701,152
Reach 8	\$695,054	\$944,406	\$281,118	\$283,277	\$284,610
Engineering - Architectural Services	\$5,523,889	\$6,107,105	\$5,170,088	\$5,209,790	\$5,234,311
Reach 5	\$607,628	\$643,689	\$581,635	\$549,112	\$551,696
Reach 6	\$1,529,012	\$1,460,820	\$1,426,427	\$1,246,182	\$1,252,047
Reach 7	\$2,787,354	\$3,189,741	\$2,920,583	\$3,170,678	\$3,185,602
Reach 8	\$598,237	\$812,856	\$241,960	\$243,818	\$244,966
Motor Freight Transport & Warehousing	\$4,844,093	\$5,355,536	\$4,533,832	\$4,568,649	\$4,590,152
Reach 5	\$532,850	\$564,473	\$510,056	\$481,536	\$483,802
Reach 6	\$1,340,845	\$1,281,044	\$1,250,884	\$1,092,821	\$1,097,964
Reach 7	\$2,444,329	\$2,797,196	\$2,561,162	\$2,780,480	\$2,793,567
Reach 8	\$524,615	\$712,822	\$212,183	\$213,813	\$214,819
Asphalt Felts & Coatings	\$3,611,223	\$3,992,499	\$3,379,927	\$3,405,883	\$3,421,913
Reach 5	\$397,235	\$420,809	\$380,242	\$358,980	\$360,670
Reach 6	\$999,587	\$955,006	\$932,522	\$814,687	\$818,522
Reach 7	\$1,822,223	\$2,085,282	\$1,909,321	\$2,072,820	\$2,082,576
Reach 8	\$391,095	\$531,402	\$158,181	\$159,395	\$160,146
Owner-occupied Dwellings	\$3,270,831	\$3,616,167	\$3,061,337	\$1,990,790	\$3,099,365
Reach 5	\$359,791	\$381,144	\$344,400	\$209,829	\$326,673
Reach 6	\$905,366	\$864,987	\$844,623	\$476,197	\$741,368
Reach 7	\$1,650,461	\$1,888,724	\$1,729,349	\$1,211,595	\$1,886,274
Reach 8	\$354,231	\$481,312	\$143,271	\$93,169	\$145,050
Real Estate	\$2,110,815	\$2,333,676	\$1,975,619	\$1,858,766	\$2,000,160
Reach 5	\$232,190	\$245,969	\$222,257	\$195,914	\$210,817
Reach 6	\$584,274	\$558,215	\$545,073	\$444,617	\$478,438
Reach 7	\$1,065,117	\$1,218,879	\$1,116,027	\$1,131,245	\$1,217,297
Reach 8	\$228,601	\$310,612	\$92,459	\$86,990	\$93,607
Management & Consulting Services	\$1,970,831	\$2,174,876	\$1,844,601	\$1,855,322	\$1,867,514
Reach 5	\$216,791	\$229,232	\$207,518	\$195,551	\$196,836
Reach 6	\$545,526	\$520,230	\$508,925	\$443,793	\$446,709
Reach 7	\$994,481	\$1,135,938	\$1,042,015	\$1,129,149	\$1,136,569
Reach 8	\$213,441	\$289,476	\$86,327	\$86,829	\$87,400
Banking	\$1,967,180	\$1,918,955	\$1,841,183	\$1,637,004	\$1,864,055
Reach 5	\$216,390	\$202,258	\$207,133	\$172,540	\$196,471
Reach 6	\$544,515	\$459,014	\$507,982	\$391,571	\$445,882
Reach 7	\$992,639	\$1,002,270	\$1,040,084	\$996,281	\$1,134,464
Reach 8	\$213,046	\$255,413	\$86,167	\$76,612	\$87,238
Insurance Carriers	\$1,735,699	\$1,905,530	\$1,624,529	\$1,625,551	\$1,644,709
Reach 5	\$190,927	\$200,843	\$182,760	\$171,333	\$173,352
Reach 6	\$480,441	\$455,803	\$448,208	\$388,832	\$393,414
Reach 7	\$875,834	\$995,258	\$917,696	\$989,310	\$1,000,970
Reach 8	\$187,976	\$253,626	\$76,028	\$76,076	\$76,972

Source: Implan Pro – Version 2.0 – Input-Output Model for Harris County, Texas.

Notes: Impacts to industries represent the total impact, or the summation of all direct, indirect and induced impacts from highway construction. Also, economic impacts are rounded to the nearest \$1000.

**ECONOMIC IMPACTS FROM HIGHWAY CONSTRUCTION
VALUE-ADDED IMPACTS BY TOP TEN INDUSTRIES AFFECTED**

Top 10 Industries Affected	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
New Hwy and Streets	\$47,350,120	\$52,349,384	\$44,317,380	\$44,657,710	\$44,867,900
Reach 5	\$5,208,513	\$5,517,625	\$4,985,705	\$4,706,923	\$4,729,077
Reach 6	\$13,106,513	\$12,521,973	\$12,227,165	\$10,682,124	\$10,732,402
Reach 7	\$23,892,871	\$27,342,083	\$25,034,888	\$27,178,682	\$27,306,604
Reach 8	\$5,128,018	\$6,967,703	\$2,074,053	\$2,089,981	\$2,099,818
Wholesale Trade	\$4,392,915	\$4,856,723	\$4,111,552	\$4,143,126	\$4,162,627
Reach 5	\$483,221	\$511,899	\$462,550	\$436,685	\$438,741
Reach 6	\$1,215,959	\$1,161,728	\$1,134,377	\$991,036	\$995,700
Reach 7	\$2,216,665	\$2,536,666	\$2,322,616	\$2,521,506	\$2,533,375
Reach 8	\$475,753	\$646,430	\$192,421	\$193,898	\$194,811
Engineering - Architectural Services	\$2,900,792	\$3,207,060	\$2,714,999	\$2,735,848	\$2,748,725
Reach 5	\$319,087	\$338,024	\$305,437	\$288,358	\$289,716
Reach 6	\$802,939	\$767,129	\$749,068	\$654,415	\$657,495
Reach 7	\$1,463,740	\$1,675,047	\$1,533,703	\$1,665,037	\$1,672,874
Reach 8	\$314,156	\$426,860	\$127,062	\$128,038	\$128,640
Owner-occupied Dwellings	\$2,504,050	\$2,768,430	\$2,343,668	\$2,361,665	\$2,372,781
Reach 5	\$275,446	\$291,793	\$263,663	\$248,919	\$250,091
Reach 6	\$693,121	\$662,208	\$646,618	\$564,910	\$567,569
Reach 7	\$1,263,544	\$1,445,951	\$1,323,938	\$1,437,309	\$1,444,075
Reach 8	\$271,189	\$368,478	\$109,684	\$110,526	\$111,046
Asphalt Felts & Coatings	\$2,223,296	\$2,458,033	\$2,080,895	\$2,096,875	\$2,106,744
Reach 5	\$244,563	\$259,077	\$234,101	\$221,011	\$222,051
Reach 6	\$615,408	\$587,961	\$574,119	\$501,573	\$503,933
Reach 7	\$1,121,875	\$1,283,831	\$1,175,498	\$1,276,158	\$1,282,164
Reach 8	\$240,783	\$327,164	\$97,386	\$98,134	\$98,596
Motor Freight Transport & Warehousing	\$2,008,220	\$2,220,250	\$1,879,595	\$1,894,029	\$1,902,943
Reach 5	\$220,904	\$234,014	\$211,454	\$199,631	\$200,570
Reach 6	\$555,875	\$531,084	\$518,580	\$453,052	\$455,184
Reach 7	\$1,013,348	\$1,159,637	\$1,061,783	\$1,152,706	\$1,158,131
Reach 8	\$217,490	\$295,515	\$87,965	\$88,641	\$89,058
Real Estate	\$1,480,906	\$1,637,261	\$1,386,055	\$1,396,699	\$1,403,272
Reach 5	\$162,900	\$172,567	\$155,931	\$147,212	\$147,905
Reach 6	\$409,915	\$391,633	\$382,413	\$334,090	\$335,663
Reach 7	\$747,265	\$855,141	\$782,982	\$850,031	\$854,031
Reach 8	\$160,382	\$217,919	\$64,867	\$65,366	\$65,673
Banking	\$1,467,335	\$1,622,258	\$1,373,354	\$1,383,900	\$1,390,413
Reach 5	\$161,407	\$170,986	\$154,502	\$145,863	\$146,550
Reach 6	\$406,158	\$388,044	\$378,908	\$331,029	\$332,587
Reach 7	\$740,417	\$847,305	\$775,808	\$842,242	\$846,205
Reach 8	\$158,912	\$215,923	\$64,273	\$64,767	\$65,071
Management & Consulting Services	\$1,216,315	\$1,344,734	\$1,138,411	\$1,147,153	\$1,152,552
Reach 5	\$133,795	\$141,735	\$128,071	\$120,910	\$121,479
Reach 6	\$336,676	\$321,660	\$314,088	\$274,399	\$275,690
Reach 7	\$613,753	\$702,355	\$643,088	\$698,157	\$701,443
Reach 8	\$131,727	\$178,984	\$53,278	\$53,687	\$53,939
Miscellaneous Retail	\$1,109,332	\$1,226,456	\$1,038,280	\$1,046,253	\$1,051,178
Reach 5	\$122,027	\$129,268	\$116,807	\$110,275	\$110,794
Reach 6	\$307,063	\$293,368	\$286,461	\$250,264	\$251,442
Reach 7	\$559,769	\$640,578	\$586,524	\$636,750	\$639,747
Reach 8	\$120,141	\$163,241	\$48,592	\$48,965	\$49,195

Source: Implan Pro – Version 2.0 – Input-Output Model for Harris County, Texas.

Note: Impacts to industries represent the total impact, or the summation of all direct, indirect and induced impacts from highway construction. Also, economic impacts are rounded to the nearest \$1000.

**ECONOMIC IMPACTS FROM HIGHWAY CONSTRUCTION
EMPLOYMENT IMPACTS BY TOP TEN INDUSTRIES AFFECTED**

Top 10 Industries Affected	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
New Hwy and Streets	974	1,077	912	919	923
Reach 5	107	114	103	97	97
Reach 6	270	258	252	220	221
Reach 7	491	563	515	559	562
Reach 8	105	143	43	43	43
Engineering - Architectural Services	55	60	51	52	52
Reach 5	6	6	6	5	5
Reach 6	15	14	14	12	12
Reach 7	28	31	29	32	32
Reach 8	6	8	2	2	2
Wholesale Trade	49	54	46	46	47
Reach 5	5	6	5	5	5
Reach 6	14	13	13	11	11
Reach 7	25	28	26	28	29
Reach 8	5	7	2	2	2
Motor Freight Transport & Warehousing	48	53	45	45	45
Reach 5	5	6	5	11	11
Reach 6	13	13	12	27	27
Reach 7	24	28	25	2	2
Reach 8	5	7	2		
Eating and Drinking	45	49	42	42	42
Reach 5	5	5	5	4	4
Reach 6	12	12	12	10	10
Reach 7	23	26	24	26	26
Reach 8	5	7	2	2	2
Personnel Supply Services	39	43	37	37	37
Reach 5	4	5	4	4	4
Reach 6	11	10	10	9	9
Reach 7	20	22	21	23	23
Reach 8	4	6	2	2	2
Miscellaneous Retail	33	36	31	31	31
Reach 5	4	4	3	3	3
Reach 6	9	9	9	7	7
Reach 7	17	19	18	19	19
Reach 8	4	5	1	1	1
Management & Consulting Services	23	25	21	21	22
Reach 5	3	3	2	2	2
Reach 6	6	6	6	5	5
Reach 7	12	13	12	13	13
Reach 8	2	3	1	1	1
Food Stores	23	25	21	21	21
Reach 5	3	3	2	2	2
Reach 6	6	6	6	5	5
Reach 7	12	13	12	13	13
Reach 8	2	3	1	1	1
Credit Agencies	20	23	19	19	19
Reach 5	2	2	2	2	2
Reach 6	6	6	5	5	5
Reach 7	10	12	11	12	12
Reach 8	2	3	1	1	1

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INDIRECT BUSINESS TAX IMPACTS, HARRIS COUNTY, TEXAS

Top 10 Industries Affected	Alternative A	Alternative B	Alternative C	Alternative D	Alternative E
New Hwy and Streets	\$1,061,604	\$1,173,689	\$993,609	\$1,001,239	\$1,005,952
Reach 5	\$116,776	\$123,707	\$111,781	\$105,531	\$106,027
Reach 6	\$293,852	\$280,746	\$274,137	\$239,496	\$240,624
Reach 7	\$535,685	\$613,018	\$561,290	\$609,354	\$612,222
Reach 8	\$114,972	\$156,218	\$46,501	\$46,858	\$47,079
Wholesale Trade	\$916,902	\$1,013,710	\$858,176	\$864,766	\$868,836
Reach 5	\$100,859	\$106,845	\$96,545	\$91,146	\$91,575
Reach 6	\$253,798	\$242,479	\$236,771	\$206,852	\$207,826
Reach 7	\$462,669	\$529,461	\$484,784	\$526,297	\$528,774
Reach 8	\$99,300	\$134,925	\$40,163	\$40,471	\$40,662
Owner-occupied Dwellings	\$426,638	\$471,683	\$399,312	\$402,378	\$404,272
Reach 5	\$46,930	\$49,715	\$44,923	\$42,411	\$42,610
Reach 6	\$118,093	\$112,827	\$110,170	\$96,249	\$96,702
Reach 7	\$215,282	\$246,360	\$225,571	\$244,887	\$246,040
Reach 8	\$46,205	\$62,781	\$18,688	\$18,831	\$18,920
Real Estate	\$249,875	\$276,257	\$233,871	\$235,666	\$236,776
Reach 5	\$27,486	\$29,117	\$26,310	\$24,839	\$24,956
Reach 6	\$69,165	\$66,081	\$64,525	\$56,371	\$56,637
Reach 7	\$126,087	\$144,289	\$132,114	\$143,426	\$144,102
Reach 8	\$27,061	\$36,770	\$10,945	\$11,029	\$11,081
Miscellaneous Retail	\$216,122	\$238,941	\$202,280	\$203,833	\$204,792
Reach 5	\$23,773	\$25,184	\$22,757	\$21,484	\$21,585
Reach 6	\$59,823	\$57,155	\$55,809	\$48,757	\$48,986
Reach 7	\$109,055	\$124,799	\$114,268	\$124,053	\$124,636
Reach 8	\$23,406	\$31,803	\$9,467	\$9,539	\$9,584
Automotive Dealers & Service Stations	\$179,935	\$198,932	\$168,410	\$169,703	\$170,502
Reach 5	\$19,793	\$20,967	\$18,946	\$17,887	\$17,971
Reach 6	\$49,806	\$47,585	\$46,464	\$40,593	\$40,784
Reach 7	\$90,795	\$103,902	\$95,135	\$103,281	\$103,768
Reach 8	\$19,487	\$26,478	\$7,882	\$7,942	\$7,979
Electric Services	\$134,754	\$148,982	\$126,123	\$127,092	\$127,690
Reach 5	\$14,823	\$15,703	\$14,189	\$13,395	\$13,459
Reach 6	\$37,300	\$35,636	\$34,797	\$30,400	\$30,543
Reach 7	\$67,997	\$77,813	\$71,247	\$77,348	\$77,712
Reach 8	\$14,594	\$19,830	\$5,903	\$5,948	\$5,976
Food Stores	\$127,049	\$140,463	\$118,912	\$119,825	\$120,389
Reach 5	\$13,975	\$14,805	\$13,378	\$12,630	\$12,689
Reach 6	\$35,167	\$33,599	\$32,808	\$28,662	\$28,797
Reach 7	\$64,109	\$73,364	\$67,173	\$72,925	\$73,269
Reach 8	\$13,759	\$18,696	\$5,565	\$5,608	\$5,634
Insurance Carriers	\$124,235	\$137,351	\$116,278	\$117,170	\$117,722
Reach 5	\$13,666	\$14,477	\$13,081	\$12,350	\$12,408
Reach 6	\$34,388	\$32,854	\$32,081	\$28,027	\$28,159
Reach 7	\$62,689	\$71,738	\$65,685	\$71,310	\$71,646
Reach 8	\$13,455	\$18,281	\$5,442	\$5,484	\$5,509
Eating and Drinking	\$122,093	\$134,984	\$114,273	\$115,151	\$115,693
Reach 5	\$13,430	\$14,227	\$12,856	\$12,137	\$12,194
Reach 6	\$33,795	\$32,288	\$31,528	\$27,544	\$27,674
Reach 7	\$61,608	\$70,502	\$64,553	\$70,081	\$70,411
Reach 8	\$13,223	\$17,966	\$5,348	\$5,389	\$5,414

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