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DATE:	January 12, 2007
DE.	U.S. Dorder Closing Economic Impact Simulations (DEVISIONS)
KE.	U.S. DOIGHT CLOSING ECONOMIC IMPACT SIMULATIONS (REVISIONS)

On the basis of our discussion this week, we have made some revisions.

The simulations are for 2001, the year for which we have most of the data. We applied NIEMO (the National Interstate Economic Model), a 47-sector, 50-state (and D.C.; see http://www.usc.edu/dept/create/research/economics.htm?#int) model where spatial impacts are known (disrupted cross-border shopping); and USIO, a 47-sector aggregation of the national IMPLAN model. Demand-side and supply-side versions of both models are available and were used.

In round numbers, the bottom line from the sum of our most optimistic scenarios is that a one-year border closing results in a \$1.7 trillion total output loss. (Less optimistic scenarios show output losses as large as \$5.4 trillion). Dividing the low output loss by an aggregate multiplier of approximately 1.77 (from our results), we get an overall GDP loss of approximately \$1 trillion, or approximately ten percent of 2001 GDP.

Our models are linear, so shorter closings would simply produce proportionate impacts. The nature of the disruption is obviously severe, well beyond anything that the U.S. economy has ever experienced. Such a large event is difficult to model, and the work must therefore be understood in light of many caveats. The columns of the attached summary tables show that there are several types of impacts as well as several possible mitigating effects. The summary tables also reference which of the attached tables include further industry-level details. The three rows of the summaries also correspond to alternate assumptions about illegal immigration.

In Column 1 of the overall summary, we show the effects of terminating international air traffic in both directions. This creates a \$335 billion loss. The methodology considered spending reductions in all of the sectors that international visitors are known to patronize (hotels, meals, shopping, ground transportation, etc.)

We also divided international travel into four types of trips: U.S. based (inbound and outbound) and international-based (inbound and outbound). We assumed that each round trip costs \$1,000. We assume that two-thirds of these are purchased from U.S. carriers (footnote in table). We also note different on-the-ground expenditures for each type of trip. Table 1-2a shows the corresponding direct, indirect and induced effects.

Column 1A adds the mitigation from a 25 percent increase of telecommunications purchases by the grounded U.S.-based business travelers. Table 1-1b shows the details.

Column 1B shows the effect of a second possible mitigation. We now assume that 65 percent of U.S.-based international outbound trips are for please and that these are replaced by domestic trips. Table 1-1c shows the expenditures for these trips. Table 1-2c shows the direct, indirect and induced impacts.

Column 1C shows the effect of both mitigations. Net losses from these reductions and changes are just less than \$154 billion. Table 1-2d shows the associated direct, indirect and induced effects.

Columns 2-5 of the summary table show the separate impacts of export and import closures, including the special case of only allowing gas and oil imports.

We next call attention to the net trade losses in Column 5A. In the interests of conservatism, we tried to minimize trade closure impacts by having U.S. exporters and

importers mitigate each others losses. Analyzing trade flows at the six-digit NAICS level, we identified sectors in which exports exceed imports and restricted export losses to the difference between the two, assuming that U.S. exporters would instead sell to U.S. importers. We also identified sectors in which imports exceed exports and restricted U.S. import losses to the amounts that could not be replaced by purchases from U.S. exporters. This is an extremely optimistic assumption that ignores specializations beyond the six-digit NAICS level and also ignores transactions costs. But it counters the severity of impacts resulting from our modeling assumption of fixed technological coefficients. This trade reduction costs the economy more than \$1.5 trillion. Tables 2-6 show the industry-level details that correspond to the Columns 2-5A.

Column 6 shows the losses from shutting off legal immigration for one year. There are approximately one million legal immigrants each year, and their sectors of employment are known. Applying the Borjas' (2003) labor supply elasticity of 0.3, and boosting wages correspondingly, we used the Leontief price model to calculate higher prices in all 47 USIO economic sectors. Household final demand was then reduced in light of these higher prices. This resulted in a \$10 billion loss.

Columns 7-9 show the effects of illegal immigration. The precise numbers are not known so we used three estimates, a low (406,000), middle (628,000), and high (850,000). The industrial employment of illegal immigrants is not well known, and our assignments were based on assumptions. The same approach was applied as for legal immigrants and the annual losses ranged from \$1.3 billion to \$2.8 billion.

Column 10 reports results for the loss of cross-border shopping. Incoming crossings (not by air) at all ports of entry are reported at

http://www.transtats.bts.gov/Fields.asp?Table_ID=1358. There were 302,163,564 such crossings in 2005. Each shopping visit was assumed to include \$100 in retail expenditures. From Chris Soares' "Same-Day Travel Between the U.S. and Canada and the U.S. and Mexico by Transportation Mode, 2000-2004", we conclude that 60 percent of these crossings were by foreigners. The loss of these shopping trips has an impact of \$29 billion.

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Column 10A includes a mitigation. The 40 percent of U.S.-based shoppers are assumed to substitute domestic purchases for shopping abroad. The net loss is now slightly less than \$10 billion.

We also include six additional spreadsheets. Spreadsheet A describes costs of shutting down human traffic. Spreadsheet B describes costs of shutting down human traffic with mitigations. Spreadsheet C and D describe costs of trade losses without mitigation and with mitigation, respectively. Spreadsheet E combines spreadsheet A and C and explains the worst case total impact without mitigation. Finally, Spreadsheet F combines spreadsheet B and D, and hence describes the optimist case total impact with mitigation in this research.

There are surely areas of overestimation in our work as well as underestimates. Aside from the optimistic trade adjustments mentioned, our models underestimate myriad adaptations that cannot be predicted, but we also missed some costs. We do not know the enforcement costs of the policy so they are not included. Also Broda and Weinstein (2004) estimate the losses from reductions in consumer choice, which we omit. Our hope is that the areas of underestimation roughly balance the areas of overestimation.

Finally, since our results suggest that the one-year border closing results in very large economic impacts, we wondered about the potential health costs of a flu pandemic. *The Lancet* published a paper in December 2006 by the Harvard Initiative for Global Health Group (Murray et al., 2006). Based on an analogy drawn from the Spanish Flu epidemic of 1918-20, the study produced a range of estimates of US fatalities: a low threshold, a median, a mean, and a high threshold. These numbers are: 114,483; 297,883; 383,881 and 744,226; respectively. We applied the US EPA value of life of \$5.8 million, which has been used in previous CREATE studies (Zimmerman et al., 2007), and obtained imputed fatalities dollar estimates: \$664 billion; \$1.728 trillion; \$2.227 trillion and \$4.317 trillion, respectively. If we use the low fatalities estimate, the \$1.728 trillion loss is of a similar order of magnitude to the economic costs of border closure for one year. Also, this estimate ignores the treatment costs of those who get sick but do not die, quarantine costs, and other disaster management costs. While *The Lancet* study argues that a future pandemic might be even worse than in 1918-20, it also accepts that fatalities might be lower because of improved

medical management (although the health care system could be overwhelmed), antivirals, quarantine, and vaccination.

References

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Table 1-1a. Direct losses

One year				U.Sb		Based A	broad			
Losses of International	IMPLAN	Sector	Internation	al Inbound	Internationa	l Outbound	Internation	al Inbound	Internation	al Outbound
			\$ per		\$ per		\$ per		\$ per	
Passengers(m.)	Sectors	Descriptions	passenger	\$m. for all	passenger	\$m. for all	passenger	\$m. for all	passenger	\$m. for all
148.496	391	Airline Tickets	333.33	-12,374.63	333.33	-12,374.63	333.33	-12,374.63	333.33	-12,374.63
	392~395	Transportation	132.29	-4,911.09	132.29	-4,911.09	132.29	-4,911.09	132.29	-4,911.09
	479~480	Accomodation	0.00	0.00	0.00	0.00	683.96	-25,391.20	0.00	0.00
	405, 481	Foods	0.00	0.00	0.00	0.00	247.11	-9,173.54	0.00	0.00
	408~412	Gifts/Shopping	0.00	0.00	0.00	0.00	290.91	-10,799.84	0.00	0.00
	475~478	Amusement	0.00	0.00	0.00	0.00	172.04	-6,386.98	0.00	0.00
		Total	465.62	-17,285.72	465.62	-17,285.72	1,859.65	-69,037.28	465.62	-17,285.72

- 1. These are all international boardings or alightings at U.S. airports in 2005 (<u>www.bts.gov</u>). We assume that the average cost of an international round-trip \$1,000. We assume two-third of this value to account for the share of tickets that may have been purchased in U.S. carriers. See: http://www.lawa.org/lax/statistics/tcom-1201.pdf. We separately consider both of these trips and assume that half are made by U.S. residents and half by foreign residents.
- 2. Transportation, accommodation, food, gifts/shopping, and amusement expenditures are based on US expenditures per round-trip, proprietary data purchased from the Travel Industry Association (<u>www.tia.org</u>).

Table 1-10 Direct losses with telecommunications mitigation	Table 1-1b Direct los	sses with telecom	munications I	mitigations
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One year	IMPLAN Code	Sector	
Mitigations	422	Telecommunication ¹⁾	43,596.65
Direct losses		Total Direct Losses ²⁾	-120,894.44
		Net Losses	-77,297.79

Notes:

- 1. We assume final demand for Telecommunications services (available from 2001 IMPLAN sector 422) increases by 25% during one-year closure
- 2. Total Direct Losses are calculated in Table 1-1a.

One year				
U.Sbased losses of International	IMPLAN	Sector	Domestic travel	
Passengers for pleasure (m.)	Sectors	Descriptions	\$ per passenger ²⁾	\$m. for all
24.131 ¹⁾	391	Airline Tickets	325.00	7,842.42
	392~395	Transportation	194.29	4,688.22
	479~480	Accommodation	281.43	6,791.02
	405, 481	Foods	173.57	4,188.37
	408~412	Gifts/Shopping	164.29	3,964.30
	475~478	Amusement	92.86	2,240.69
		Total	1,231.43	29,715.03
Direct losses		Total Direct Loses ³⁾		-120,894.44
		Net Losses		-91,179.40

Table 1-1c. Direct losses with mitigations of diversion to U.S. domestic travel for pleasures from the international travels

- 1. We assume 65 percent of U.S.-based international outbound travel is for pleasure and diverted to U.S. destinations, based on the pleasure purpose of international travelers in the U.S., 2000 (Maplesden, et al., 2002: p.71).
- 2. For domestic travel expenditures, refer to Gordon et al. (2007)
- 3. Total Direct Losses are calculated in Table 1-1a.

Table 1-1d. Direct losses with both mitigations of the telecommunications and the diversion.

One year	IMPLAN Code	Sector	
Mitigations	422	Telecommunication ¹⁾	43,596.65
Mitigations		Diversion ²⁾	29,715.03
Direct losses		Total Direct Loses ³⁾	-120,894.44
		Net Losses	-47,582.75

Notes:

- 1. We assume final demand for Telecommunications services (available from 2001 IMPLAN sector 422) increases by 25% during one-year closure
- 2. We assume 65 percent of U.S.-based international outbound travels are for pleasure and diverted to U.S. destinations, based on the pleasure purpose of international travelers in the U.S., 2000 (Maplesden, et al., 2002: p.71).
- 3. Total Direct Losses are calculated in Table 1-1a.

One year	IMPACTS			Type I IMPACTS			Type SAM
Sectors	Direct	Indirect	Simple Total	Multipliers	Induced	Total	Multipliers
Air Transportation	-49.499	-44.523	-94.022	1.8995	-50.790	-144.811	2.9256
Other Transportations	-19.644	-17.083	-36.727	1.8696	-19.066	-55.793	2.8402
Accommodations	-25.391	-14.319	-39.710	1.5639	-22.792	-62.502	2.4616
Foods	-9.174	-7.564	-16.738	1.8246	-9.931	-26.669	2.9071
Gifts/Shopping	-10.800	-6.890	-17.690	1.6380	-11.299	-28.989	2.6842
Amusement	-6.387	-3.521	-9.908	1.5513	-6.558	-16.467	2.5782
Total	-120.894	-93.900	-214.794	1.7767	-120.436	-335.230	2.7729

Table 1-2a. Results without Mitigation: Direct, Indirect, and Total Impacts

Units for Impacts: \$Billions

Table 1-2b. Results of Simulation: Mitigation with Telecommunications

One year	IMPACTS			Type I	IMPACTS		Type SAM
Sectors	Direct	Indirect	Simple Total	Multipliers	Induced	Total	Multipliers
Total losses without mitigation	-120.894	-93.900	-214.794	1.7767	-120.436	-335.230	2.7729
Mitigation with Telecommunications	43.597	23.422	67.018	1.5372	32.777	99.795	2.2891
Total	-77.298	-70.478	-147.776	1.9118	-87.659	-235.435	3.0458

Units for Impacts: \$Billions

Note: We assume final demand for Telecommunications services (available from 2001 IMPLAN sector 422) increases by 25% during one-year closures.

One year	IMPACTS			Type I IMPACTS			Type SAM
Sectors	Direct	Indirect	Simple Total	Multipliers	Induced	Total	Multipliers
Total Losses without Mitigation	-120.894	-93.900	-214.794	1.7767	-120.436	-335.230	2.7729
Air Transportation*	7.842	7.054	14.897	1.8995	8.047	22.944	2.9256
Other Transportations	4.688	4.077	8.765	1.8696	4.550	13.315	2.8402
Accommodations	6.791	3.830	10.621	1.5639	6.096	16.717	2.4616
Foods	4.188	3.454	7.642	1.8246	4.534	12.176	2.9071
Gifts/Shopping	3.964	2.529	6.493	1.6380	4.148	10.641	2.6842
Amusement	2.241	1.235	3.476	1.5513	2.301	5.777	2.5782
Diversion Mitigation Total	29.715	22.179	51.894	1.7464	29.675	81.569	2.7450
Total	-91.179	-71.721	-162.901	1.7866	-90.760	-253.661	2.7820

Table 1-2c. Results without Mitigation: Direct, Indirect, and Total Impacts

Units for Impacts: \$Billions

Note: We assume 65 percent of U.S.-based international outbound travels are for pleasure and diverted to U.S. destinations, based on the pleasure purpose of international travelers in the U.S., 2000 (Maplesden, et al., 2002: p.71).

Table 1-2d. Results of Simulation: Mitigation with	Telecommunications and diversions of	of U.Sbased international travelers
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One year	Ι	MPACTS		Type I	IMPA	CTS	Type SAM
Sectors	Direct	Indirect	Simple Total	Multipliers	Induced	Total	Multipliers
Total losses without mitigation	-120.894	-93.900	-214.794	1.7767	-120.436	-335.230	2.7729
Mitigation with Telecommunications	43.597	23.422	67.018	1.5372	32.777	99.795	2.2891
Diversion Mitigation Total	29.715	22.179	51.894	1.7464	29.675	81.569	2.7450
Total	-47.583	-48.300	-95.883	2.0151	-57.983	-153.866	3.2336

Units for Impacts: \$Billions

Notes:

- 1. We assume final demand for Telecommunications services (available from 2001 IMPLAN sector 422) increases by 25% during one-year closures.
- 2. We assume 65 percent of U.S.-based international outbound travels are for pleasure and diverted to U.S. destinations, based on the pleasure purpose of international travelers in the U.S., 2000 (Maplesden, et al., 2002: p.71).

Classification		IN	IPORT (One year Closures)	
Classification	USCsec.	Direct Impact	Indirect Impact	Total Impact
	USC01	-15.949	-42.035	-57.984
	USC02	-12.170	-27.931	-40.100
	USC03	-0.852	-27.361	-28.213
	USC04	-2.447	-17.113	-19.559
	USC05	-18.380	-39.853	-58.233
	USC06	-17.605	-42.865	-60.470
	USC07	-1.305	-8.185	-9.490
	USC08	-2.098	-19.795	-21.893
	USC09	-1.257	-21.572	-22.829
	USC10	-111.892	-161.920	-273.812
	USC11	-17.773	-45.955	-63.728
	USC12	-40.136	-51.381	-91.517
	USC13	-4.693	-20.847	-25.540
	USC14	-13.709	-35.751	-49.460
Commodity Sectors	USC15	-24.537	-49.890	-74.427
-	USC16	-18.096	-36.025	-54.121
	USC17	-15.823	-35.923	-51.746
	USC18	-6.415	-18.770	-25.185
	USC19	-116.184	-157.033	-273.217
	USC20	-14.921	-30.434	-45.354
	USC21	-39.692	-65.591	-105.283
	USC22	-16.032	-37.183	-53.214
	USC23	-90.321	-121.476	-211.797
	USC24	-219.846	-261.666	-481.512
	USC25	-203.591	-273.507	-477.098
	USC26	-25.986	-69.232	-95.218
	USC27	-46.300	-75.754	-122.054
	USC28	-21.468	-42.941	-64.409
	USC29	-205.749	-216.817	-422.565
	USC30	0.000	-31.184	-31.184
	USC31	0.000	-21.089	-21.089
	USC32	0.000	-5.988	-5.988
	USC33	0.000	-18.292	-18.292
	USC34	0.000	-10.361	-10.361
	USC35	0.000	-5.777	-5.777
	USC36	0.000	-17.330	-17.330
	USC37	0.000	-2.113	-2.113
	USC38	0.000	-3.081	-3.081
Non-Commodity Sectors	USC39	0.000	-4.515	-4.515
	USC40	0.000	-4.385	-4.385
	USC41	0.000	-6.029	-6.029
	USC42	0.000	-7.300	-7.300
	USC43	0.000	-8.939	-8.939
	USC44	0.000	-6.683	-6.683
	USC45	0.000	-10.972	-10.972
	USC46	0.000	-2.336	-2.336
	USC47	0.000	-27.217	-27.217
Tota	1	-1325.227	-2248.391	-3573.618

Table 2. Border Closures: Import Disturbance for Commodity Sectors

Classification	IMPORT (One year Closures)					
Classification	USCsec.	Direct Impact	Indirect Impact	Total Impact		
	USC01	-15.949	-34.263	-50.212		
	USC02	-12.170	-18.241	-30.411		
	USC03	-0.852	-5.642	-6.494		
	USC04	-2.447	-7.257	-9.703		
	USC05	-18.380	-43.129	-61.509		
	USC06	-17.605	-21.432	-39.037		
	USC07	-1.305	-2.583	-3.888		
	USC08	-2.098	-2.787	-4.884		
	USC09	-1.257	-1.802	-3.060		
	USC10	0.000	-8.801	-8.801		
	USC11	-17.773	-22.392	-40.165		
	USC12	-40.136	-47.389	-87.524		
	USC13	-4.693	-5.647	-10.341		
	USC14	-13.709	-23.459	-37.169		
Commodity Sectors	USC15	-24.537	-42.450	-66.987		
-	USC16	-18.096	-28.177	-46.272		
	USC17	-15.823	-27.208	-43.031		
	USC18	-6.415	-15.558	-21.973		
	USC19	-116.184	-151.366	-267.550		
	USC20	-14.921	-20.159	-35.080		
	USC21	-39.692	-52.449	-92.140		
	USC22	-16.032	-33.289	-49.321		
	USC23	-90.321	-123.772	-214.093		
	USC24	-219.846	-270.681	-490.527		
	USC25	-203.591	-287.985	-491.577		
	USC26	-25.986	-41.297	-67.283		
	USC27	-46.300	-54.705	-101.006		
	USC28	-21.468	-28.709	-50.176		
	USC29	-205.749	-216.921	-422.670		
	USC30	0.000	-4.228	-4.228		
	USC31	0.000	-70.994	-70.994		
	USC32	0.000	-13.230	-13.230		
	USC33	0.000	-13.221	-13.221		
	USC34	0.000	-2.504	-2.504		
	USC35	0.000	-13.127	-13.127		
	USC36	0.000	-20.201	-20.201		
	USC37	0.000	-6.932	-6.932		
	USC38	0.000	-14.981	-14.981		
Non-Commodity Sectors	USC39	0.000	-12.244	-12.244		
	USC40	0.000	-2.584	-2.584		
	USC41	0.000	-6.189	-6.189		
	USC42	0.000	-1.632	-1.632		
	USC43	0.000	-38.157	-38,157		
	USC44	0.000	-2.928	-2.928		
	USC45	0.000	-19.706	-19.706		
	USC46	0.000	-5.009	-5 009		
	USC47	0.000	-52,728	-52 728		
Tota	1	-1213.334	-1940.144	-3153.478		

Table 3. Border Closures: Import Disturbance for Commodity Sectors, Except USC Sector 10 (Energy sector)

$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Classification	EXPORT (One year Closures)					
USC01 -12.507 -20.019 -32.525 USC02 -23.330 -29.761 -53.091 USC03 -1.853 -5.357 -7.210 USC04 -2.706 -3.874 -6.580 USC05 -17.535 -26.426 -43.961 USC06 -11.573 -15.878 -27.451 USC07 -4.350 -4.515 -8.864 USC08 -1.534 -3.291 -4.825 USC09 -1.190 -3.731 -4.920 USC10 -13.094 -39.609 -52.703 USC11 -19.052 -28.108 -47.160 USC12 -22.043 -24.297 -46.340 USC13 -4.606 -6.597 -11.203 USC14 -22.716 -35.979 -58.695 Commodity Sectors USC15 -27.688 -48.730 -76.418 USC16 -5.941 -13.863 -19.805 USC14 -22.5164 USC18 -8.073 -17.091 -25.164	Classification	USCsec.	Direct Impact	Indirect Impact	Total Impact		
USC02 -23.330 -29.761 -53.091 USC03 -1.853 -5.357 -7.210 USC04 -2.706 -3.874 -6.580 USC05 -17.535 -26.426 -43.961 USC06 -11.573 -15.878 -27.451 USC07 -4.350 -4.515 -8.864 USC08 -1.534 -3.291 -4.825 USC09 -1.190 -3.731 -4.920 USC10 -13.094 -39.609 -52.703 USC11 -19.052 -28.108 -47.160 USC12 -22.043 -24.297 -46.340 USC13 -4.606 -6.597 -11.203 USC14 -22.716 -35.979 -58.695 Commodity Sectors USC15 -27.688 -48.730 -76.418 USC16 -5.941 -13.863 -19.805 USC19 -21.877 USC18 -8.073 -17.091 -25.164 44.8730 -76.418 USC21 -18.923		USC01	-12.507	-20.019	-32.525		
USC03 -1.853 -5.357 -7.210 USC04 -2.706 -3.874 -6.580 USC05 -17.535 -26.426 -43.961 USC06 -11.573 -15.878 -27.451 USC07 -4.350 -4.515 -8.864 USC08 -1.534 -3.291 -4.825 USC09 -1.190 -3.731 -4.920 USC10 -13.094 -39.609 -52.703 USC11 -19.052 -28.108 -47.160 USC12 -22.043 -24.297 -46.340 USC13 -4.606 -6.597 -11.203 USC14 -22.716 -35.979 -58.695 Commodity Sectors USC15 -27.688 -48.730 -76.418 USC16 -5.941 -13.863 -19.805 USC17 -12.925 -28.852 -41.776 USC19 -25.114 -37.524 -62.638 USC20 -8.777 -13.580 -21.877 USC21 -18.923 -45.575<		USC02	-23.330	-29.761	-53.091		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		USC03	-1.853	-5.357	-7.210		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		USC04	-2.706	-3.874	-6.580		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		USC05	-17.535	-26.426	-43.961		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		USC06	-11.573	-15.878	-27.451		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		USC07	-4.350	-4.515	-8.864		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		USC08	-1.534	-3.291	-4.825		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		USC09	-1.190	-3.731	-4.920		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		USC10	-13.094	-39.609	-52.703		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		USC11	-19.052	-28.108	-47.160		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		USC12	-22.043	-24.297	-46.340		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		USC13	-4.606	-6.597	-11.203		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		USC14	-22.716	-35.979	-58.695		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Commodity Sectors	USC15	-27.688	-48.730	-76.418		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	USC16	-5.941	-13.863	-19.805		
USC18-8.073-17.091-25.164USC19-25.114-37.524-62.638USC20-8.277-13.580-21.857USC21-18.923-45.575-64.498USC22-7.727-34.264-41.990USC23-94.620-117.899-212.519USC24-166.774-215.725-382.499USC25-67.592-89.086-156.677USC26-50.627-54.985-105.612USC27-46.613-50.332-96.944USC28-4.035-4.869-8.903USC29-65.223-72.019-137.242		USC17	-12.925	-28.852	-41.776		
USC19 -25.114 -37.524 -62.638 USC20 -8.277 -13.580 -21.857 USC21 -18.923 -45.575 -64.498 USC22 -7.727 -34.264 -41.990 USC23 -94.620 -117.899 -212.519 USC24 -166.774 -215.725 -382.499 USC25 -67.592 -89.086 -156.677 USC26 -50.627 -54.985 -105.612 USC27 -46.613 -50.332 -96.944 USC28 -4.035 -4.869 -8.903 USC29 -65.223 -72.019 -137.242		USC18	-8.073	-17.091	-25.164		
USC20 -8.277 -13.580 -21.857 USC21 -18.923 -45.575 -64.498 USC22 -7.727 -34.264 -41.990 USC23 -94.620 -117.899 -212.519 USC24 -166.774 -215.725 -382.499 USC25 -67.592 -89.086 -156.677 USC26 -50.627 -54.985 -105.612 USC27 -46.613 -50.332 -96.944 USC28 -4.035 -4.869 -8.903 USC29 -65.223 -72.019 -137.242		USC19	-25.114	-37.524	-62.638		
USC21 -18.923 -45.575 -64.498 USC22 -7.727 -34.264 -41.990 USC23 -94.620 -117.899 -212.519 USC24 -166.774 -215.725 -382.499 USC25 -67.592 -89.086 -156.677 USC26 -50.627 -54.985 -105.612 USC27 -46.613 -50.332 -96.944 USC28 -4.035 -4.869 -8.903 USC29 -65.223 -72.019 -137.242		USC20	-8.277	-13.580	-21.857		
USC22 -7.727 -34.264 -41.990 USC23 -94.620 -117.899 -212.519 USC24 -166.774 -215.725 -382.499 USC25 -67.592 -89.086 -156.677 USC26 -50.627 -54.985 -105.612 USC27 -46.613 -50.332 -96.944 USC28 -4.035 -4.869 -8.903 USC29 -65.223 -72.019 -137.242		USC21	-18.923	-45.575	-64.498		
USC23 -94.620 -117.899 -212.519 USC24 -166.774 -215.725 -382.499 USC25 -67.592 -89.086 -156.677 USC26 -50.627 -54.985 -105.612 USC27 -46.613 -50.332 -96.944 USC28 -4.035 -4.869 -8.903 USC29 -65.223 -72.019 -137.242		USC22	-7.727	-34.264	-41.990		
USC24 -166.774 -215.725 -382.499 USC25 -67.592 -89.086 -156.677 USC26 -50.627 -54.985 -105.612 USC27 -46.613 -50.332 -96.944 USC28 -4.035 -4.869 -8.903 USC29 -65.223 -72.019 -137.242		USC23	-94 620	-117.899	-212,519		
USC25 -67.592 -89.086 -156.677 USC26 -50.627 -54.985 -105.612 USC27 -46.613 -50.332 -96.944 USC28 -4.035 -4.869 -8.903 USC29 -65.223 -72.019 -137.242		USC24	-166.774	-215.725	-382.499		
USC26 -50.627 -54.985 -105.612 USC27 -46.613 -50.332 -96.944 USC28 -4.035 -4.869 -8.903 USC29 -65.223 -72.019 -137.242		USC25	-67.592	-89.086	-156.677		
USC27 -46.613 -50.332 -96.944 USC28 -4.035 -4.869 -8.903 USC29 -65.223 -72.019 -137.242		USC26	-50.627	-54.985	-105.612		
USC28 -4.035 -4.869 -8.903 USC29 -65.223 -72.019 -137.242		USC27	-46.613	-50 332	-96 944		
USC29 -65.223 -72.019 -137.242		USC28	-4 035	-4 869	-8 903		
		USC29	-65.223	-72.019	-137.242		
USC30 0.000 -13.276 -13.276		USC30	0.000	-13.276	-13.276		
USC31 0 000 -4 069 -4 069		USC31	0.000	-4 069	-4 069		
USC32 0,000 -73,916 -73,916		USC32	0.000	-73 916	-73 916		
USC3 0,000 -26.448 -26.448		USC33	0.000	-26 448	-26 448		
USC34 0 000 -9 458 -9 458		USC34	0.000	-9 458	-9 458		
USC35 0.000 -4.666 -4.666 -4.666		USC35	0.000	-4 666	-4 666		
USC26 0,000 -19,513 -19,513		USC36	0.000	-19 513	-19 513		
USC37 0 000 -27 894 -27 894		USC37	0.000	-27 894	-27 894		
USC38 0,000 -39,669 -39,669		USC38	0.000	-39 669	-39.669		
Non-Commodity Sectors USC39 0,000 -43,424 -43,424	Non-Commodity Sectors	USC39	0.000	-13 121	-43 424		
0.000 -45.424 -45.424 15.424 15.424 -21.635 -21.635 -21.635		USC40	0.000	-21 635	-73.724		
USC41 0.000 -18.116 -18.116		USC41	0.000	-18 116	-18 116		
USC42 0.000 -0.590 -0.590		USC42	0.000	-0.590	-0.590		
USC42 0.000 -0.590 -0.590 USC43 0.000 0.997 0.997		USC42	0.000	-0.590	-0.390		
$\frac{1000}{100} = \frac{1000}{100} = 10$		USC44	0.000	-0.997 2 10/	-0.997		
-2.174 $-2.194USC/5 0.000 -6.256 6.256$		USC/5	0.000	-2.174	-2.194		
USC46 0.000 -0.230 -0.230 -0.230		USC45	0.000	-0.230	-0.230		
USC40 0.000 -4.700 -4.700 -4.700 USC47 0.000 26.677 26.677		USC40	0.000	-4.700	-4.700 26 677		
Total -768 238 -1445 330 -2213 568	Tota	1		-1445 330			

Table 4. Border Closures: Export Disturbance for Commodity Sectors

Classification	XPORT (One year Closures)	ear Closures)		
Classification	USCsec.	Direct Impact	Indirect Impact	Total Impact
	USC01	-28.456	-54.281	-82.737
	USC02	-35.500	-48.002	-83.502
	USC03	-2.705	-10.999	-13.704
	USC04	-5.153	-11.131	-16.283
	USC05	-35.915	-69.556	-105.470
	USC06	-29.178	-37.310	-66.487
	USC07	-5.655	-7.097	-12.752
	USC08	-3.632	-6.077	-9.709
	USC09	-2.447	-5.533	-7.980
	USC10	-13.094	-48.410	-61.504
	USC11	-36.825	-50.500	-87.324
	USC12	-62.178	-71.686	-133.864
	USC13	-9.299	-12.244	-21.543
	USC14	-36.425	-59.438	-95.863
Commodity Sectors	USC15	-52.225	-91.180	-143.404
-	USC16	-24.037	-42.040	-66.077
	USC17	-28.748	-56.060	-84.808
	USC18	-14.489	-32.649	-47.137
	USC19	-141.298	-188.890	-330.188
	USC20	-23.198	-33.739	-56.937
	USC21	-58.615	-98.024	-156.639
	USC22	-23.759	-67.553	-91.311
	USC23	-184.940	-241.671	-426.611
	USC24	-386.620	-486.406	-873.026
	USC25	-271.183	-377.071	-648.254
	USC26	-76.613	-96.282	-172.895
	USC27	-92.913	-105.037	-197.950
	USC28	-25.502	-33.577	-59.079
	USC29	-270.972	-288.940	-559.912
	USC30	0.000	-17.504	-17.504
	USC31	0.000	-75.063	-75.063
	USC32	0.000	-87.146	-87.146
	USC33	0.000	-39.668	-39.668
	USC34	0.000	-11.962	-11.962
	USC35	0.000	-17.793	-17.793
	USC36	0.000	-39.714	-39.714
	USC37	0.000	-34.826	-34.826
	USC38	0.000	-54.650	-54.650
Non-Commodity Sectors	USC39	0.000	-55.668	-55.668
	USC40	0.000	-24.219	-24.219
	USC41	0.000	-24.305	-24.305
	USC42	0.000	-2.222	-2.222
	USC43	0.000	-39.154	-39.154
	USC44	0.000	-5.122	-5.122
	USC45	0.000	-25.962	-25.962
	USC46	0.000	-9.709	-9.709
	USC47	0.000	-89.405	-89.405
Tota	ป	-1981.573	-3385.473	-5367.046

Table 5. Border Closures: Total Trade Losses, with Energy Sector Open

Classification	One year Closures of Exports and Imports					
Classification	USCsec.	Direct Impact	Indirect Impact	Total Impact		
	USC01	-12.413	-13.525	-25.938		
	USC02	-28.283	-6.065	-34.348		
	USC03	-1.316	-4.093	-5.409		
	USC04	-2.910	-3.236	-6.146		
	USC05	-17.114	-18.345	-35.459		
	USC06	-12.318	-3.237	-15.555		
	USC07	-1.362	-0.932	-2.295		
	USC08	-1.982	-0.753	-2.736		
	USC09	-1.060	-0.729	-1.789		
	USC10	-1.704	-11.760	-13.464		
	USC11	-6.864	-4.850	-11.713		
	USC12	-30.443	-5.039	-35.482		
	USC13	-2.383	-1.171	-3.555		
	USC14	-11.076	-8.436	-19.511		
Commodity Sectors	USC15	-21.520	-15.524	-37.044		
2	USC16	-23.849	-12.500	-36.349		
	USC17	-10.619	-11.246	-21.865		
	USC18	-1.531	-7.004	-8.535		
	USC19	-114,110	-32,920	-147.030		
	USC20	-14 143	-4 702	-18 844		
	USC20	-41 580	-16.022	-57 602		
	USC22	-14 932	-20.471	-35 402		
	USC23	-52 411	-28 205	-80.616		
	USC24	-175 205	-45 387	-220 593		
	USC25	-140.034	-60 651	-200.684		
	USC26	-33 712	-10.853	-44 565		
	USC20	-17/08	-10.035	-74.178		
	USC28	-17.408	-6.297	-24.178		
	USC20	-103 919	-8.578	-112/198		
	USC30	0.000	-5.844	-112.490		
	USC31	0.000	-5.044 54.467	-5.844		
	USC32	0.000	-54.407	-54.407		
	USC32	0.000	-20.008	-20.008		
	USC34	0.000	-15.890	-13.890		
	USC34	0.000	-5.820	-5.820		
	USC35	0.000	-7.375	-7.373		
	USC30	0.000	-17./18	-1/./10		
	USC37	0.000	-11.380	-11.500		
Non-Commodity Sectors	USC30	0.000	-20.221	-20.221		
	USC39	0.000	-17.297	-17.297		
	USC40	0.000	-6.703	-0.703		
	USC41	0.000	-7.559	-/.559		
	USC42	0.000	-1.199	-1.199		
	USC43	0.000	-22.882	-22.882		
	USC44	0.000	-2.3/4	-2.374		
	USC45	0.000	-13.733	-13.733		
	USC46	0.000	-4.407	-4.407		
	USC47	0.000	-41.690	-41.690		
Tota	1	-918.808	-649.955	-1568.764		

Table 6. Border Closures: Maximum possible substitution by U.S. Exporters and U.S. Importers

Classification		Le	ontief Price Model		Total Industry	De	emand-side USIO	
Classification	USCsec.	Job Losses(1000)	Increased Wage	Increased Price	Output	Direct Impact	Indirect Impact	Total Impact
	USC01	-17.506	0.0036%	0.0184%	173,097	-31.928	-53.292	-85.220
	USC02	-15.599	0.0032%	0.0135%	118,853	-16.100	-30.619	-46.720
	USC03	-4.087	0.0008%	0.0161%	44,785	-7.193	-15.563	-22.757
	USC04	-8.019	0.0017%	0.0137%	84,932	-11.594	-20.559	-32.153
	USC05	-17.407	0.0036%	0.0173%	286,070	-49.480	-71.343	-120.823
	USC06	-1.710	0.0004%	0.0109%	61,546	-6.715	-15.704	-22.420
	USC07	-0.773	0.0002%	0.0076%	52,637	-4.009	-0.186	-4.195
	USC08	-3.251	0.0007%	0.0077%	19,049	-1.459	-12.258	-13.718
	USC09	-0.968	0.0002%	0.0079%	9,129	-0.718	-3.894	-4.612
	USC10	-12.860	0.0027%	0.0135%	371,603	-50.313	-145.066	-195.379
	USC11	-3.033	0.0006%	0.0115%	76,034	-8.740	-25.064	-33.804
	USC12	-6.282	0.0013%	0.0098%	134,457	-13.218	-16.569	-29.787
	USC13	-0.831	0.0002%	0.0103%	16,209	-1.665	-5.881	-7.546
Commodity	USC14	-6.736	0.0014%	0.0115%	142,133	-16.389	-42.933	-59.322
Sectors	USC15	-19.663	0.0041%	0.0149%	203,666	-30.293	-90.718	-121.011
Sectors	USC16	-12.398	0.0026%	0.0133%	101,676	-13.477	-73.066	-86.542
	USC17	-10.040	0.0021%	0.0133%	142,353	-18.924	-61.830	-80.754
	USC18	-22.982	0.0048%	0.0132%	203,883	-26.905	-87.329	-114.233
	USC19	-23.036	0.0048%	0.0163%	172,998	-28.277	-29.044	-57.322
	USC20	-10.892	0.0023%	0.0117%	97,801	-11.422	-67.565	-78.987
	USC21	-8.249	0.0017%	0.0129%	121,498	-15.660	-50.146	-65.806
	USC22	-24.032	0.0050%	0.0143%	184,519	-26.448	-88.621	-115.069
	USC23	-32.231	0.0067%	0.0169%	331,350	-55.988	-65.114	-121.102
	USC24	-42.166	0.0087%	0.0169%	601,195	-101.766	-96.724	-198.490
	USC25	-24.500	0.0051%	0.0185%	447,184	-82.700	-65.058	-147.758
	USC26	-9.550	0.0020%	0.0124%	118,010	-14.683	-4.403	-19.087
	USC27	-11.311	0.0023%	0.0114%	114,130	-12.995	-13.696	-26.691
	USC28	-13.267	0.0027%	0.0129%	73,637	-9.536	-16.183	-25.719
	USC29	-13.410	0.0028%	0.0111%	282,474	-31.340	-23.446	-54.786
	USC30	-10.323	0.0021%	0.0103%	296,699	-30.432	-75.830	-106.263
	USC31	-386.254	0.0800%	0.0939%	1,013,114	-951.797	-43.806	-995.603
	USC32	-90.127	0.0187%	0.0266%	875,258	-233.021	-260.171	-493.192
	USC33	-50.485	0.0105%	0.0238%	502,771	-119.428	-141.814	-261.243
	USC34	-23.662	0.0049%	0.0122%	162,269	-19.786	-85.979	-105.765
	USC35	-238.062	0.0493%	0.0583%	942,803	-549.591	-129.268	-678.859
	USC36	-28.886	0.0060%	0.0137%	586,269	-80.457	-185.599	-266.056
Non	USC37	-68.963	0.0143%	0.0244%	1,287,273	-313.909	-338.570	-652.479
Commodity	USC38	-35.227	0.0073%	0.0146%	1,681,503	-246.257	-383.897	-630.153
Sectors	USC39	-104.510	0.0216%	0.0276%	1,008,257	-278.631	-371.406	-650.037
Sectors	USC40	-26.512	0.0055%	0.0114%	210,209	-23.881	-104.940	-128.821
	USC41	-191.282	0.0396%	0.0478%	443,881	-212.121	-228.778	-440.899
	USC42	-162.262	0.0336%	0.0485%	85,680	-41.535	-4.248	-45.782
	USC43	-376.519	0.0780%	0.0896%	1,188,873	-1065.819	-24.860	-1090.679
	USC44	-50.143	0.0104%	0.0201%	154,279	-30.940	-20.977	-51.917
	USC45	-354.587	0.0734%	0.0837%	498,852	-417.576	-58.896	-476.472
	USC46	-218.761	0.0453%	0.0471%	1,288,980	-607.182	-40.334	-647.516
	USC47	-93.648	0.0194%	0.0302%	755,883	-228.573	-179.859	-408.432
Tota	al	-2887.000	0.5979%	1.0636%	17,769,757	-6150.873	-3971.107	-10,121.98

Table 7. Border Closures: Legal Migration Reduction

1. Impact unit: \$Millions.

 Legal employment data are obtained from Table 2.8 in U.S. Census Bureau, Current Population Survey, Annual Social and Economics Supplement, 2004, and authors distribute the employment numbers to USC sectors, based on occupation-industry data sets available at Bureal of Labor Survey web page and conversion bridge of 2digit NAICS to USC sector developed by authors.

3. Total employment (144850 million) from U.S. department of labor (2006)

4. Low-end labor supply elasticity is assumed -0.3 (Borjas, 2003)

Classification Leontief Price Model Total Industry Demand-side	JSIO
Crassification USCsec. Job Losses(1000) Increased Wage Increased Price Output Direct Impact Indirect I	npact Total Impact
USC01 -15.877 0.0033% 0.0065% 173,097 -11.329 -	5.578 -17.907
USC02 -28.828 0.0060% 0.0073% 118,853 -8.617 -	4.511 -13.128
USC03 -6.057 0.0013% 0.0042% 44,785 -1.896 -	2.927 -4.822
USC04 0.000 0.000% 0.0018% 84,932 -1.553 -	1.004 -2.557
USC05 -8.561 0.0018% 0.0041% 286,070 -11.849 -	7.199 -19.048
USC06 -0.471 0.0001% 0.0010% 61,546 -0.646 -	1.472 -2.118
USC07 -0.688 0.0001% 0.0007% 52,637 -0.383 -	.032 -0.415
USC08 -0.667 0.0001% 0.0008% 19,049 -0.144 -	3.079 -3.224
USC09 -0.200 0.0000% 0.0007% 9,129 -0.061 -).668 -0.729
USC10 -2.794 0.0006% 0.0016% 371,603 -5.924 -2	1.978 -27.902
USC11 -0.820 0.0002% 0.0011% 76,034 -0.829 -	3.020 -3.849
USC12 -1.709 0.0004% 0.0010% 134,457 -1.288 -).548 -1.837
USC13 -0.225 0.0000% 0.0008% 16,209 -0.127 -	.996 -1.123
Commodity USC14 -1.822 0.0004% 0.0013% 142,133 -1.779 -	7.336 -9.115
Sectory USC15 -5.323 0.0011% 0.0021% 203,666 -4.257 -1	4.396 -18.653
USC16 -6.575 0.0014% 0.0027% 101,676 -2.695 -1	3.317 -21.012
USC17 -2.715 0.0006% 0.0016% 142,353 -2.280 -	3.620 -10.900
USC18 -7.766 0.0016% 0.0023% 203,883 -4.732 -J	1.301 -16.033
USC19 -7.988 0.0017% 0.0028% 172,998 -4.903 -	4.405 -9.308
USC20 -2.949 0.0006% 0.0014% 97,801 -1.384 -J	7.492 -18.876
USC21 -2.315 0.0005% 0.0013% 121,498 -1.614 -	9.997 -11.611
USC22 -6.746 0.0014% 0.0022% 184,519 -4.089 -2	0.266 -24.355
USC23 -9.032 0.0019% 0.0029% 331,350 -9.457 -J	3.823 -23.280
USC24 -13.247 0.0027% 0.0036% 601,195 -21.627 -J	5.869 -38.497
USC25 -6.865 0.0014% 0.0029% 447,184 -12.917 -J	0.147 -23.064
USC26 -2.680 0.0006% 0.0016% 118,010 -1.895 -	0.513 -2.408
USC27 -3.175 0.0007% 0.0014% 114,130 -1.640 -	1.510 -3.150
USC28 -3.724 0.0008% 0.0018% 73,637 -1.311 -	4.089 -5.400
USC29 -5.457 0.0011% 0.0019% 282,474 -5.406 -	3.490 -8.896
USC30 0.000 0.000% 0.0009% 296,699 -2.741 -J	0.677 -13.418
USC31 -134.640 0.0279% 0.0302% 1,013,114 -306.294 -	4.604 -310.899
USC32 0.000 0.0000% 0.0006% 875,258 -4.818 -4	0.556 -45.374
USC33 0.000 0.000% 0.0008% 502,771 -4.262 -2	1.260 -25.522
USC34 0.000 0.000% 0.0005% 162,269 -0.853 -J	1.598 -12.451
USC35 -94.248 0.0195% 0.0203% 942,803 -191.4063	0.995 -222.401
USC36 -0.258 0.0001% 0.0007% 586,269 -4.026 -2	4.705 -28.731
USC37 -0.825 0.0002% 0.0005% 1,287,273 -6.902 -3	4.469 -41.371
INUI- USC38 -0.603 0.0001% 0.0009% 1,681,503 -15.915 -4	5.393 -62.308
South USC39 -1.159 0.0002% 0.0006% 1,008,257 -5.674 -5	5.486 -61.160
USC40 -0.183 0.0000% 0.0006% 210,209 -1.282 -J	3.680 -19.962
USC41 -1.003 0.0002% 0.0008% 443,881 -3.750 -2	5.171 -28.921
USC42 -0.211 0.000% 0.0013% 85,680 -1.085 -	0.414 -1.499
USC43 -1.658 0.0003% 0.0011% 1,188,873 -13.114	1.721 -14.835
USC44 -0.343 0.0001% 0.0008% 154,279 -1.176 -	2.199 -3.376
USC45 -1.207 0.0003% 0.0016% 498,852 -8.144 -	5.848 -13.992
USC46 -2.396 0.0005% 0.0008% 1,288,980 -10.002	4.859 -14.861
USC47 -13.581 0.0028% 0.0040% 755,883 -30.535 -2	7.705 -58.240
Total -407.592 0.0844% 0.1326% 17,769,757 -738.613 -58	3.924 -1,322.54

Table 8. Border Closures: Minimum Illegal Migration Reduction

1. Impact unit: \$Millions.

2. 2006 total employment (144,850 million) from U.S. department of labor

3. Low-end labor supply elasticity is assumed -0.3 (Borjas, 2003)

4. Illegal job proportions are available at the <u>http://en.wikipedia.org/wiki/Illegal_immigrant_population_of_the_United_States</u>

Constraint INCreace Job Losses(100) Increased Wage Increased Wage Output Direct Impact Indirect Impact Total Impact US01 -3.4477 0.0051% 0.00112% 118.853 -13.284 -0.044 -2.0229 US018 -9.338 0.0007% 0.0026% 44.873 -2.022 -4.512 -7.434 US016 -1.1388 0.0027% 0.0026% 44.873 -2.022 -4.512 -7.343 US016 -1.1388 0.0027% 0.0016% 61.546 -0.959 -2.223 -3.338 US016 -1.029 0.0001% 0.0017% 7.059 -0.059 -1.124 US019 -0.309 0.0001% 0.0017% 57.1603 -1.128 -4.606 -5.333 -1.124 USC11 -1.264 0.00027% 0.0117% 16.457 -1.966 -4.333 -2.742 -2.8173 USC13 -0.037 0.00027% 0.0125% 16.453 -2.229 -2.2393 -2.516 -1.124 <td< th=""><th>Classification</th><th></th><th>Le</th><th>ontief Price Model</th><th></th><th>Total Industry</th><th>De</th><th>emand-side USIO</th><th></th></td<>	Classification		Le	ontief Price Model		Total Industry	De	emand-side USIO	
USC01 -24.477 0.003% 0.0012% 173.07 -17.46 -10.141 -27.677 USC02 -44.43 0.0092% 0.0012% 18.873 -1.3284 -6.654 -0.229 USC03 -9.338 0.0009% 0.002% 84.932 -2.326 -1.547 -3.942 USC04 -0.027 0.0006% 22.670 -11.650 0.660 -0.727 -0.0066% 2.2670 -1.3267 -11.068 -0.0027% 0.0016% 5.2637 -0.996 -0.600 -0.600 -0.600 -0.600 -0.600 -0.600 -0.600 -0.600 -0.600 -0.126 -1.137 -0.666 -5.033 -1.137 -0.666 -5.033 -1.138 -0.347 0.0007% 7.6034 -1.137 -4.666 -5.033 1.138 -0.347 0.0007% 7.6034 -1.137 -4.666 -5.033 1.131 -1.141 1.141 -1.131 1.4664 -1.133 -1.131 1.4645 -1.131 1.131 1.131 1.131 1.131	Classification	USCsec.	Job Losses(1000)	Increased Wage	Increased Price	Output	Direct Impact	Indirect Impact	Total Impact
USC02 44.443 0.002% 0.0016% 118.853 1-13.244 4-654 -20.29 USC04 0.000 0.0002% 0.002% 84.932 -2.395 -1.547 -3.942 USC05 -1.518 0.0022% 0.0016% 0.6156 0.909 -0.209 -3.266 USC05 -1.077 0.0002% 0.0011% 52.637 -0.91 -0.609 -1.124 USC06 -0.727 0.0002% 0.0012% 19.049 -0.053 -1.124 USC09 -1.039 0.0002% 0.0012% 19.049 -0.133 -3388 -3016 USC10 -4.377 0.0000% 0.0017% 76.034 -1.278 -4.655 -5.933 USC14 -2.809 0.0001% 0.0017% 14.629 -2.813 -2.841 -2.829 -2.835 -2.751 -1.742 -2.813 USC14 -2.829 0.0025% 0.0025% 0.0125% 14.233 -3.56 -1.723 -2.839 -3.239 -5.241		USC01	-24.477	0.0051%	0.0101%	173,097	-17.466	-10.141	-27.607
USC03 -9.338 0.0019% 0.0006% 44,785 -2.236 -1.547 -3.942 USC05 -13.198 0.0027% 0.0064% 286.070 -18.267 -11.088 -2.236 USC05 -0.727 0.0002% 0.0011% 52.637 0.591 -0.005 -0.664 USC07 -1.661 0.0002% 0.0012% 19.049 -0.222 -4.747 -4.900 USC09 -0.309 0.0001% 0.0017% 70.034 -1.238 -4.666 -5.933 USC12 -2.635 0.0002% 0.0017% 70.034 -1.278 -4.666 -5.933 USC12 -2.635 0.0006% 0.0017% 70.034 -1.278 -4.666 -5.933 USC12 -2.643 0.0006% 0.0012% 16.299 -1.130 -1.402 USC13 -0.347 0.0007% 0.0022% 14.233 -3.516 -1.528 -1.644 USC14 -1.017 0.0022% 0.0044% 10.1676 +1.52		USC02	-44.443	0.0092%	0.0112%	118,853	-13.284	-6.954	-20.239
USC04 0.000 0.0009% 0.0028% 84.92 -2.325 -1.547 -3.926 USC05 -13.198 0.0027% 0.0064% 286.070 -18.267 -11.098 -29.365 USC07 -1.061 0.0022% 0.0011% 52.667 -0.959 -0.200 -4.477 USC08 -1.029 -0.0309 0.00012% 0.0012% 3.068 -1.029 -1.029 USC10 -4.307 0.0009% 0.0012% 371.603 -9.133 -3.388 -4.306 USC11 -1.264 0.0009% 0.0015% 134.457 -1.986 -0.885 -2.831 USC12 -2.635 0.0009% 0.0015% 134.457 -1.986 -0.885 -2.837 USC13 -3.247 -11.310 -4.665 -1.526 -1.722 -2.847 -2.837 USC14 -2.809 0.0002% 0.0025% 142.533 -3.516 -3.239 -3.239 USC14 -2.809 0.00025% 0.0025% 142.533 </td <td></td> <td>USC03</td> <td>-9.338</td> <td>0.0019%</td> <td>0.0065%</td> <td>44,785</td> <td>-2.922</td> <td>-4.512</td> <td>-7.434</td>		USC03	-9.338	0.0019%	0.0065%	44,785	-2.922	-4.512	-7.434
USC05 -13.198 0.002% 0.006% 28.070 -18.267 -11.098 -23.268 USC05 -1.061 0.0002% 0.0011% 52.657 -0.591 -0.050 -6.640 USC08 -1.029 0.0002% 0.0012% 19.049 -0.222 -4.747 -4.970 USC09 -0.330 0.0000% 0.0012% 19.049 -0.222 -4.747 -4.970 USC10 -4.307 0.0000% 0.002% 571.063 -9.133 -33.883 -43.06 USC11 -1.246 0.0005% 0.0015% 134.457 -1.986 -0.845 -2.831 USC12 -2.635 0.0005% 0.0012% 162.09 -0.133 -1.466 -2.8239 -2		USC04	0.000	0.0000%	0.0028%	84,932	-2.395	-1.547	-3.942
USC05 -0.727 0.0002% 0.0016% 61,546 -0.996 -2.270 -3.266 USC07 -1.061 0.0002% 0.0012% 19.049 -0.221 -4.747 -4.970 USC08 -1.029 -0.039 0.0001% 0.0010% 9.129 -0.065 -1.029 -1.124 USC10 -4.307 0.0002% 0.0012% 57.603 -1.128 -4.666 -5.933 USC12 -2.635 0.0002% 0.0012% 13.457 -1.986 -0.845 -2.831 USC14 -2.809 0.0002% 0.0012% 16.209 -1.536 -2.173 USC16 -10.137 0.0007% 0.0025% 142,353 -3.516 -13.299 -16.804 USC18 -11.972 0.0025% 0.0036% 12.348 -7.255 -17.42 -2.4118 USC16 -10.137 0.0027% 0.0036% 12.343 -3.528 -2.2141 -2.829 -2.8291 USC14 -1.184 0.0022% 0.0002% <td></td> <td>USC05</td> <td>-13.198</td> <td>0.0027%</td> <td>0.0064%</td> <td>286,070</td> <td>-18.267</td> <td>-11.098</td> <td>-29.365</td>		USC05	-13.198	0.0027%	0.0064%	286,070	-18.267	-11.098	-29.365
USC07 -1.061 0.0002% 0.0011% 52,637 -0.991 -0.000 -0.640 USC08 -1.029 0.0002% 0.0012% 19,049 -0.222 -4.747 -4.970 USC09 -0.307 0.0000% 0.002% 57,163 -9.133 -33.883 -43.06 USC11 -1.264 0.0005% 0.001% 76,013 -9.133 -33.883 -43.06 USC12 -2.635 0.0005% 0.001% 16.209 -0.166 -1.623 USC14 -2.837 0.0007% 0.0032% 203.666 -4.563 -22.194 -28.757 Sctors USC15 +3.307 0.0007% 0.0032% 203.666 +4.563 -22.194 -28.757 USC15 +3.307 0.0027% 0.0032% 203.666 +4.563 -22.194 -28.757 USC16 -10.137 0.0027% 0.0038% 203.883 -7.759 -17.423 -24.714 USC20 +4.346 0.00027% 0.0038% 20.1		USC06	-0.727	0.0002%	0.0016%	61,546	-0.996	-2.270	-3.266
USC08 -1.029 0.0002% 0.0012% 19.049 -0.222 -4.747 -4.970 USC09 -0.309 0.0001% 0.0010% 9.129 -0.055 -1.029 -1.124 USC10 -4.307 0.0002% 57.6034 -1.278 -4.665 -5.933 USC12 -2.635 0.0005% 0.0017% 76.034 -1.278 -4.665 -5.933 USC13 -0.347 0.0007% 0.0012% 16.209 -0.196 -1.536 -1.732 USC15 -8.307 0.0007% 0.0028% 10.666 -6.563 -2.131 -14.052 USC16 -10.137 0.0002% 0.0038% 12.333 -3.516 -13.299 -16.804 USC20 -1.44.185 0.0026% 0.0038% 203.883 -7.255 -17.423 -2.4178 USC21 -3.569 0.0002% 0.0024% 17.298 -7.559 -6.791 -1.433 USC21 -3.569 0.0002% 0.0024% 17.194 -2.409 </td <td></td> <td>USC07</td> <td>-1.061</td> <td>0.0002%</td> <td>0.0011%</td> <td>52,637</td> <td>-0.591</td> <td>-0.050</td> <td>-0.640</td>		USC07	-1.061	0.0002%	0.0011%	52,637	-0.591	-0.050	-0.640
LSC09 -0.309 0.0001% 9.129 -0.005 -1.029 -1.124 LSC10 -4.307 0.0009% 0.0017% 76.034 -1.278 -4.666 -5.933 LSC11 -1.224 0.0009% 0.0017% 76.034 -1.278 -4.666 -5.933 LSC12 -2.635 0.0009% 0.0019% 134.457 -1.986 -0.9456 -1.732 LSC14 -2.809 0.0009% 0.0019% 142.133 -2.742 -11.310 -14.052 Sectors LSC16 -10.137 0.0021% 0.0002% 0.00366 -4.154 -2.82.757 LSC16 -10.137 0.0021% 0.00025% 142.353 -3.516 -13.289 -16.804 LSC17 -4.185 0.0002% 0.0036% 203.883 -7.295 -17.423 -26.967 -29.101 LSC21 -4.546 0.0002% 0.0044% 174.979 -13.132 -35.861 LSC22 -10.399 0.0022% 0.0035% 601.195		USC08	-1.029	0.0002%	0.0012%	19,049	-0.222	-4.747	-4.970
USC10 4.307 0.0009% 0.0025% 371,603 -9.133 -33.883 443.06 USC11 -1.264 0.0003% 0.0017% 76,034 -1.278 -4.656 -5.933 USC13 -0.347 0.0001% 0.0012% 16,209 -0.196 -1.536 -1.732 USC14 -2.890 0.0006% 0.0012% 123.3 -2.742 -11.310 -140.02 USC15 -8.207 0.0017% 0.0032% 203.666 -6.563 -22.194 -28.279 -32.393 USC16 -10.137 0.0025% 10.0036% 203.883 -7.295 -6.791 -14.359 USC19 -12.314 0.0026% 0.0036% 203.883 -7.295 -6.791 -14.359 USC20 -4.546 0.0009% 0.0024% 9.701 -21.13 -26.507 -29.101 USC21 -3.569 0.0007% 0.0034% 184,519 -6.305 -3.1243 -37.548 USC24 -20.422 0.0029%		USC09	-0.309	0.0001%	0.0010%	9,129	-0.095	-1.029	-1.124
USC11 -1.264 0.0003% 0.0017% 76,034 -1.278 -4.656 5-5933 USC12 -2.635 0.0005% 0.0012% 116,239 -0.1966 -1.535 -1.732 USC13 -0.347 0.0001% 0.0012% 116,239 -0.1966 -1.6356 -1.732 USC15 -8.207 0.0017% 0.0022% 124,353 -2.742 -11.1310 -14.4052 USC16 -10.137 0.0021% 0.0041% 101,676 -4.154 -2.8239 -2.339 USC17 -4.185 0.0002% 0.0026% 203,883 -7.259 -17.423 -2.4712 -14.830 USC19 -12.314 0.0029% 0.0044% 172.998 -2.489 -15.142 -17.901 USC21 -0.399 0.0022% 0.0034% 184,519 -6.305 -31.243 -35.548 USC22 -10.399 0.0022% 0.0019% 124,519 -2.313 -26007 -39.349 USC25 -10.584 0.0029%		USC10	-4.307	0.0009%	0.0025%	371,603	-9.133	-33.883	-43.016
USC12 -2.635 0.0005% 0.0015% 134,457 -1.986 -0.845 -2.831 Commotiv Sectors USC14 -2.809 0.0006% 0.0019% 142,133 -2.742 -1.1310 -1.4052 USC16 -10.137 0.0007% 0.0002% 203,666 -6.563 -2.2194 -2.8239 USC16 -10.137 0.0002% 0.0025% 142,253 -3.516 -1.3289 -16.894 USC18 -11.972 0.0025% 0.0025% 142,253 -3.516 -1.3289 -16.894 USC19 -12.314 0.00029% 0.0002% -7.559 -6.791 -14.350 USC20 -4.546 0.0002% 0.0022% 97.801 -2.133 -2.6967 -29.101 USC21 -3.359 0.0007% 0.00029% 0.00029% 0.33.835 -14.579 -21.313 -36.977 -29.101 USC23 -13.924 0.00029% 0.0004% 331,350 -14.579 -21.311 -55.897 USC26 <		USC11	-1.264	0.0003%	0.0017%	76,034	-1.278	-4.656	-5.933
USC13 -0.347 0.0001% 0.0012% 16,209 -0.196 -1.536 -1.732 Commodiy Sectors USC15 -8.207 0.0007% 0.0022% 20.8666 -6.563 -2.2194 -2.8757 USC16 -10.137 0.0002% 0.0006% 0.0028% 142,353 -3.516 -1.3289 -1.6804 USC18 1.1972 0.0026% 0.0048% 101,875 -1.7255 -1.7423 -2.4718 USC19 -12.314 0.00026% 0.0048% 121,498 -2.142 -2.6967 -2.9101 USC21 -10.599 0.00027% 0.0028% 97,801 -2.133 -2.6967 -2.9101 USC22 -10.399 0.0022% 0.0044% 134,519 -1.1311 -5.584 USC24 -20.422 0.00025% 0.0044% 134,5159 -14.579 -2.1311 -5.584 USC25 -10.584 0.0005% 0.00155% 610,195 -3.342 -2.6007 -5.9349 USC26 -4.132 <td< td=""><td></td><td>USC12</td><td>-2.635</td><td>0.0005%</td><td>0.0015%</td><td>134,457</td><td>-1.986</td><td>-0.845</td><td>-2.831</td></td<>		USC12	-2.635	0.0005%	0.0015%	134,457	-1.986	-0.845	-2.831
Commodity Sectors USC14 -2.289 0.0009% 0.0019% 142,133 -2.742 -1.1310 -1.400 Sectors USC16 -10.137 0.0017% 0.0032% 203,666 -6.563 -22.194 -28.239 USC17 -4.185 0.00029% 0.0025% 104,676 -4.154 -28.239 -16.804 USC18 -11.972 0.0025% 0.0026% 203,883 -7.295 -17.423 -24.718 USC20 -4.546 0.00029% 0.0022% 97,801 -2.133 -2.6967 -29.101 USC21 -3.559 0.00029% 0.0022% 97,801 -2.133 -2.6907 -29.11 USC22 -10.399 0.0022% 0.0044% 331,350 -14.579 -2.1311 -35.80 USC24 -20.422 0.0042% 0.0045% 601,195 -33.42 -26.007 -59.349 USC25 -10.584 0.0022% 0.0045% 447,184 -19.913 -15.644 -35.557 USC26		USC13	-0.347	0.0001%	0.0012%	16,209	-0.196	-1.536	-1.732
Sectors USC15 +8.207 0.0017% 0.0021% 20.0021% 20.0021% 20.0021% 20.0021% 20.0021% 20.0025% 4.154 -28.239 -23.239 USC17 -4.185 0.00029% 0.0025% 142.353 -3.516 -13.289 -16.804 USC18 -11.972 0.0026% 0.0029% 20.3883 -7.255 -17.423 -24.718 USC20 -4.546 0.0009% 0.0022% 79.801 -2.2133 -26.967 -29.101 USC21 -3.559 0.0007% 0.0029% 121.498 -2.489 -15.412 -17.901 USC22 -10.399 0.0022% 0.0044% 131.350 -14.579 -21.311 -35.890 USC24 -20.422 0.0042% 0.0025% 60.11.95 -33.342 -26.007 -59.349 USC25 -10.584 0.0022% 114.130 -2.528 -2.327 -4.856 USC26 -4.132 0.0002% 114.130 -2.528 -2.327 -4.866	Commodity	USC14	-2.809	0.0006%	0.0019%	142,133	-2.742	-11.310	-14.052
SECUS USC16 -10.137 0.0021% 0.0041% 101,676 -4.154 -28.239 -32.383 USC18 -11.972 0.0025% 0.0025% 0.0036% 20.3833 -3.716 -13.289 -16.804 USC19 -12.314 0.0026% 0.0044% 172.998 -7.559 -6.791 -14.330 USC20 -4.546 0.0002% 0.0022% 97.801 -21.33 -2.6967 -29.101 USC21 -3.569 0.0002% 0.0034% 184,519 -6.305 -31.243 -37.548 USC23 -13.924 0.0022% 0.0044% 331,350 -14.579 -21.311 -35.877 USC25 -10.584 0.0022% 0.0045% 611,155 -33.342 -26.007 -59.349 USC26 -4.132 0.0002% 0.0005% 611,101 -2.922 -0.791 -3.712 USC26 -4.132 0.0007% 0.0027% 71.637 -2022 -6.303 8.325 USC29 -8.413	Sectors	USC15	-8.207	0.0017%	0.0032%	203,666	-6.563	-22.194	-28.757
USC17 4.185 0.0009% 0.0025% 142.353 -3.516 -13.289 -16.894 USC19 -12.314 0.0026% 0.0036% 203.883 -7.295 -7.7423 -24.718 USC19 -12.314 0.0026% 0.0024% 97.801 -2.133 -26.967 -29.101 USC20 -4.546 0.0007% 0.0022% 97.801 -2.133 -26.967 -29.101 USC21 -3.569 0.0007% 0.0024% 0.0024% -14.579 -31.243 -37.548 USC23 -13.924 0.0022% 0.0034% 31.350 -14.579 -21.311 -55.800 USC25 -10.584 0.0022% 0.0055% 601.195 -33.342 -26.007 -59.349 USC26 -4.132 0.00027% 0.0025% 114.130 -2.528 -2.327 4.856 USC28 -5.741 0.0012% 0.0027% 73.637 -2.022 -6.033 8.325 USC30 0.0000 0.0007% 0.0002%	Sectors	USC16	-10.137	0.0021%	0.0041%	101,676	-4.154	-28.239	-32.393
USC18 -11.972 0.0025% 0.0036% 203,883 -7.295 -17.423 -24.718 USC19 -12.314 0.0029% 0.0044% 172,998 -7.559 -6.791 -14.330 USC20 -4.546 0.0009% 0.0022% 97,801 -2.133 -26.967 -29.101 USC21 -3.569 0.0007% 0.0029% 121,498 -2.489 -15.412 -17.901 USC24 -10.399 0.0022% 0.0044% 184,519 -6.305 -31.243 -37.548 USC24 -20.422 0.0042% 0.0045% 601,195 -33.342 -26.007 -59.349 USC25 -10.584 0.0022% 0.0045% 4147,184 -19.913 -15.644 -35.557 USC26 -4.132 0.0010% 0.0022% 118,110 -2.522 -0.791 -37.12 USC28 -5.741 0.0012% 0.0027% 73,637 -2.022 -6.303 -8.325 USC30 0.000 0.0000% 0.0014%		USC17	-4.185	0.0009%	0.0025%	142,353	-3.516	-13.289	-16.804
USC19 -12.314 0.0026% 0.0044% 172,998 -7.559 -6.791 -14.350 USC20 -4.546 0.0009% 0.0022% 97,801 -2.133 -26.967 -29.101 USC21 -3.569 0.0007% 0.0020% 121,498 -2.489 -15.412 -17.901 USC23 -10.399 0.0022% 0.0044% 331,350 -14.579 -21.311 -35.890 USC25 -10.584 0.0022% 0.0045% 60.0195 -33.342 -26.007 -59.349 USC25 -10.584 0.0022% 0.0055% 601.195 -33.342 -26.007 -35.577 USC26 -4.132 0.0009% 0.0022% 114.130 -2.528 -2.327 -4.856 USC28 -5.741 0.0012% 0.0027% 73.637 -2.022 -6.303 -8.325 USC30 0.000 0.0000% 0.0014% 296,699 -4.226 -16.460 -20.686 USC31 -207.570 0.430% 0.0014%		USC18	-11.972	0.0025%	0.0036%	203,883	-7.295	-17.423	-24.718
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		USC19	-12.314	0.0026%	0.0044%	172,998	-7.559	-6.791	-14.350
USC21 -3.569 0.0007% 0.0020% 121,498 -2.489 -1.5.412 -1.7.901 USC22 -10.399 0.0022% 0.0034% 134,519 -6.305 -31.243 -7.7548 USC24 -20.422 0.0029% 0.0044% 331,350 -14.579 -21.311 -55.890 USC24 -20.422 0.0022% 0.0045% 601,195 -33.342 -2.6007 -59.349 USC25 -10.584 0.0022% 0.0025% 118,010 -2.922 -0.791 -3.712 USC26 -4.132 0.0007% 73.637 -2.022 -6.303 8.325 USC28 -5.741 0.0017% 0.0030% 282.474 -8.334 -5.380 -13.714 USC30 0.000 0.0000% 0.0014% 296.699 -4.226 -16.460 -20.866 USC31 -207.570 0.0430% 0.0466% 1.013.114 -472.204 -7.098 -479.302 USC32 0.000 0.0000% 0.0013% 502.771 <td></td> <td>USC20</td> <td>-4.546</td> <td>0.0009%</td> <td>0.0022%</td> <td>97,801</td> <td>-2.133</td> <td>-26.967</td> <td>-29.101</td>		USC20	-4.546	0.0009%	0.0022%	97,801	-2.133	-26.967	-29.101
USC22 -10.399 0.0022% 0.0034% 184,519 -6.305 -31.243 -37.548 USC23 -13.924 0.0029% 0.0044% 331,350 -14.579 -21.311 -55.80 USC25 -10.584 0.0025% 0.0055% 601,195 -33.342 -26.007 -59.349 USC25 -10.584 0.0022% 0.0045% 447,184 -19.913 -15.644 -35.577 USC26 -4.132 0.0009% 0.0025% 118,010 -2.922 -0.791 -3.712 USC28 -5.741 0.0012% 0.0027% 73.637 -2.022 -6.303 -8.325 USC30 0.000 0.0007% 73.637 -2.022 -6.303 -8.325 USC31 -207.570 0.0430% 0.0466% 1.013,114 -472.204 -7.098 479.302 USC32 0.000 0.0000% 0.0018% 875.258 -7.427 -62.525 -69.952 USC32 0.000 0.0000% 0.0018% 875.258		USC21	-3.569	0.0007%	0.0020%	121,498	-2.489	-15.412	-17.901
USC23 -13.924 0.0029% 0.0044% 331,350 -14.579 -21.311 -35.890 USC24 -20.422 0.0042% 0.0055% 601,195 -33.342 -26.007 -59.349 USC25 -10.584 0.0022% 0.0045% 447,184 -19.913 -15.644 -35.557 USC26 -4.132 0.0009% 0.0022% 118,100 -2.922 -0.791 -3.712 USC27 -4.894 0.0010% 0.0027% 73,637 -2.022 -6.303 -8.325 USC29 -8.413 0.0017% 0.0030% 282,474 -8.334 -5.380 -13.714 USC30 0.000 0.0000% 0.0014% 296,699 -4.226 -16.460 -20.686 USC31 -207.570 0.0430% 0.0466% 1.013,114 -472.204 -7.098 -479.302 USC33 0.000 0.0000% 0.0013% 502,771 -6.570 -32.776 -39.347 USC35 -145.299 0.0301% 0.0013% <td></td> <td>USC22</td> <td>-10.399</td> <td>0.0022%</td> <td>0.0034%</td> <td>184,519</td> <td>-6.305</td> <td>-31.243</td> <td>-37.548</td>		USC22	-10.399	0.0022%	0.0034%	184,519	-6.305	-31.243	-37.548
USC24 -20.422 0.0042% 0.0055% 601,195 -33.342 -26.007 -59.349 USC25 -10.584 0.0022% 0.0045% 447,184 -19.913 -15.644 -35.557 USC26 -4.132 0.0009% 0.0022% 118,010 -2.922 -0.791 -3.712 USC27 -4.894 0.0010% 0.0027% 73.677 -2.022 -6.303 -8.325 USC29 -8.413 0.0017% 0.0030% 282,474 -8.334 -5.380 -13.714 USC30 0.000 0.0000% 0.0014% 296,699 -4.226 -16.460 -20.686 USC31 -207.570 0.0430% 0.0466% 1,013,114 -472.204 -7.098 -479.302 USC33 0.000 0.0000% 0.0008% 875.258 -7.427 -62.525 -69.952 USC34 0.000 0.0000% 0.0008% 162,269 -1.315 -17.880 -19.195 USC35 -145.299 0.0301% 0.0001%		USC23	-13.924	0.0029%	0.0044%	331,350	-14.579	-21.311	-35.890
USC25 -10.584 0.0022% 0.0045% 447,184 -19.913 -15.644 -35.557 USC26 -4.132 0.0009% 0.0022% 118,010 -2.922 -0.791 -3.712 USC27 -4.894 0.0010% 0.0022% 114,130 -2.528 -2.327 -4.865 USC29 -8.413 0.0017% 0.0020% 73,637 -2.022 -6.303 -8.325 USC30 0.000 0.0000% 0.0014% 296,699 -4.226 -16.460 -20.686 USC31 -207.570 0.0430% 0.0466% 1,013,114 -472.204 -7.098 -479.302 USC33 0.000 0.0000% 0.0013% 502,771 -6.570 -32.776 -39.347 USC35 -145.299 0.0301% 0.0313% 942,803 -295.085 -47.783 -342.868 USC35 -145.299 0.0301% 0.0008% 1,287,273 -10.640 -53.140 -63.780 Commodity USC37 -1.272 0.000		USC24	-20.422	0.0042%	0.0055%	601,195	-33.342	-26.007	-59.349
USC26 -4.132 0.0009% 0.0025% 118,010 -2.922 -0.791 -3.712 USC27 -4.894 0.0010% 0.0022% 114,130 -2.528 -2.327 -4.856 USC28 -5.741 0.0017% 0.0027% 73,637 -2.022 -6.303 -8.325 USC29 -8.413 0.0017% 0.0030% 282,474 -8.334 -5.380 -13.714 USC30 0.000 0.0000% 0.0014% 296,699 -4.226 -16.460 -20.686 USC31 -207.570 0.0430% 0.0466% 1.013,114 -472.204 -7.098 -479.302 USC32 0.000 0.0000% 0.0013% 502,771 -6.570 -32.776 -39.347 USC34 0.000 0.0000% 0.0013% 502,771 -6.570 -32.776 -39.347 USC35 -145.299 0.0301% 0.0013% 502,771 -6.570 -32.776 -39.347 USC35 -145.299 0.0301% 0.0013%		USC25	-10.584	0.0022%	0.0045%	447,184	-19.913	-15.644	-35.557
USC27 -4.894 0.0010% 0.0022% 114,130 -2.528 -2.327 -4.856 USC28 -5.741 0.0012% 0.0027% 73,637 -2.022 -6.303 -8.325 USC29 -8.413 0.0017% 0.0030% 282,474 -8.334 -5.380 -13.714 USC30 0.000 0.0000% 0.0014% 296,699 -4.226 -16.460 -20.686 USC31 -207.570 0.0430% 0.0068% 17.131 -477.204 -7.098 -479.302 USC32 0.000 0.0000% 0.0008% 875.258 -7.427 -62.525 -69.952 USC33 0.000 0.0000% 0.0013% 875.258 -7.427 -62.525 -69.952 USC35 -145.299 0.0301% 0.00313% 942,803 -295.085 -47.783 -342.868 USC36 -0.397 0.0001% 0.0011% 586,269 -6.207 -38.087 -44.294 USC36 -0.3937 0.0003% 0.0005%		USC26	-4.132	0.0009%	0.0025%	118,010	-2.922	-0.791	-3.712
USC28 -5.741 0.0012% 0.0027% 73,637 -2.022 -6.303 -8.325 USC29 -8.413 0.0017% 0.0030% 282,474 -8.334 -5.380 -13.714 USC30 0.000 0.0000% 0.0014% 296,699 -4.226 -16.460 -20.686 USC31 -207.570 0.0430% 0.0466% 1.013,114 -472.204 -7.098 -479.302 USC32 0.000 0.0000% 0.0008% 875,258 -7.427 -62.525 -69.952 USC33 0.000 0.0000% 0.0013% 502,771 -6.570 -32.776 -39.347 USC35 -145.299 0.0301% 0.0013% 502,771 -6.570 -33.807 -44.294 USC35 -145.299 0.0301% 0.0011% 586,269 -6.207 -38.087 -44.294 USC36 -0.397 0.0001% 0.0015% 1,681,503 -24.536 -71.522 -96.058 USC40 -0.282 0.0001% 0.0008% <td></td> <td>USC27</td> <td>-4.894</td> <td>0.0010%</td> <td>0.0022%</td> <td>114,130</td> <td>-2.528</td> <td>-2.327</td> <td>-4.856</td>		USC27	-4.894	0.0010%	0.0022%	114,130	-2.528	-2.327	-4.856
USC29 -8.413 0.0017% 0.0030% 282,474 -8.334 -5.380 -13.714 USC30 0.000 0.0000% 0.0014% 296,699 -4.226 -16.460 -20.686 USC31 -207.570 0.0430% 0.0066% 1,013,114 -472.204 -7.098 -479.302 USC32 0.000 0.0000% 0.0008% 875,258 -7.427 -62.525 -69.952 USC33 0.000 0.0000% 0.0013% 502,771 -6.570 -32.776 -39.347 USC34 0.000 0.0000% 0.0031% 502,771 -6.570 -32.776 -39.347 USC35 -145.299 0.0301% 0.0031% 942,803 -295.085 +47.783 -342.668 USC36 -0.397 0.0001% 0.0008% 1.287,273 -10.640 -53.140 -63.780 Commodity USC37 -1.722 0.0003% 0.0008% 1.287,273 -10.640 -53.140 -63.780 USC40 -0.282 0.		USC28	-5.741	0.0012%	0.0027%	73,637	-2.022	-6.303	-8.325
USC30 0.000 0.000% 0.0014% 296,699 -4.226 -16.460 -20.686 USC31 -207.570 0.0430% 0.0466% 1,013,114 -472.204 -7.098 -479.302 USC32 0.000 0.0000% 0.0008% 875,258 -7.427 -62.525 -69.952 USC33 0.000 0.0000% 0.0013% 502,771 -6.570 -32.776 -39.347 USC35 -145.299 0.0301% 0.0013% 502,771 -6.570 -32.776 -39.347 USC35 -145.299 0.0301% 0.0013% 502,771 -6.570 -38.087 -44.294 USC36 -0.397 0.0001% 0.0011% 586,269 -6.207 -38.087 -44.294 USC37 -1.272 0.0003% 0.0015% 1,681,503 -24.536 -71.522 -96.058 VSC49 -0.282 0.0001% 0.0009% 1,008,257 -8.747 -85.541 -94.288 USC40 -0.282 0.0001% 0.002		USC29	-8.413	0.0017%	0.0030%	282,474	-8.334	-5.380	-13.714
USC31 -207.570 0.0430% 0.0466% 1.013,114 -472.204 -7.098 -479.302 USC32 0.000 0.0000% 0.0008% 875,258 -7.427 -62.525 -69.952 USC33 0.000 0.0000% 0.0013% 502,771 -6.570 -32.776 -39.347 USC34 0.000 0.0000% 0.0013% 502,771 -6.570 -32.776 -39.347 USC35 -145.299 0.0301% 0.0013% 942,803 -295.085 -47.783 -342.868 USC36 -0.397 0.0001% 0.0011% 586,269 -6.207 -38.087 -44.294 Von- USC37 -1.272 0.003% 0.0008% 1,287,273 -10.640 -53.140 -63.780 Commodity USC38 -0.930 0.0002% 0.0015% 1,681,503 -24.536 -71.522 -96.058 Sectors USC40 -0.282 0.0001% 0.0029% 210,209 -1.977 -28.798 -30.775 U		USC30	0.000	0.0000%	0.0014%	296,699	-4.226	-16.460	-20.686
USC32 0.000 0.000% 0.0008% 875,258 -7.427 -62.525 -69.952 USC33 0.000 0.0000% 0.0013% 502,771 -6.570 -32.776 -39.347 USC34 0.000 0.0000% 0.0013% 502,771 -6.570 -32.776 -39.347 USC35 -145.299 0.0301% 0.0313% 942,803 -295.085 -47.783 -342.868 USC36 -0.397 0.0001% 0.0011% 586,269 -6.207 -38.087 -44.294 USC37 -1.272 0.0003% 0.0008% 1,287,273 -10.640 -53.140 -63.780 VSC38 -0.930 0.0002% 0.0015% 1,681,503 -24.536 -71.522 -96.058 USC39 -1.786 0.0004% 0.0009% 1008,257 -8.747 -85.541 -94.288 USC41 -1.547 0.0003% 0.0013% 443,881 -5.781 -38.806 -44.586 USC41 -1.547 0.0003% 0.0019%<		USC31	-207.570	0.0430%	0.0466%	1,013,114	-472.204	-7.098	-479.302
Von- Commodity Sectors USC33 0.000 0.000% 0.0013% 502,771 -6.570 -32.776 -39.347 Non- Commodity Sectors USC35 -145.299 0.0301% 0.0013% 942,803 -295.085 -47.783 -342.868 USC36 -0.397 0.0001% 0.0011% 586,269 -6.207 -38.087 -44.294 USC37 -1.272 0.0003% 0.0008% 1,287,273 -10.640 -53.140 -63.780 USC38 -0.930 0.0002% 0.0015% 1,681,503 -24.536 -71.522 -96.058 USC39 -1.786 0.0004% 0.0009% 1,008,257 -8.747 -85.541 -94.288 USC40 -0.282 0.0001% 0.0009% 210,209 -1.977 -28.798 -30.775 USC41 -1.547 0.0003% 0.0013% 443,881 -5.781 -38.806 -44.586 USC42 -0.325 0.0001% 0.0012% 154,279 -1.814 -3.391 -5.204 <td< td=""><td></td><td>USC32</td><td>0.000</td><td>0.0000%</td><td>0.0008%</td><td>875,258</td><td>-7.427</td><td>-62.525</td><td>-69.952</td></td<>		USC32	0.000	0.0000%	0.0008%	875,258	-7.427	-62.525	-69.952
Non- Commodity Sectors USC34 0.000 0.0000% 0.0008% 162,269 -1.315 -17.880 -19.195 Non- Commodity Sectors USC35 -145.299 0.0301% 0.0011% 586,269 -6.207 -38.087 -44.294 USC36 -0.397 0.0001% 0.0008% 1,287,273 -10.640 -53.140 -63.780 USC37 -1.272 0.0003% 0.0009% 1,681,503 -24.536 -71.522 -96.058 USC39 -1.786 0.0004% 0.0009% 1,008,257 -8.747 -85.541 -94.288 USC40 -0.282 0.0001% 0.0009% 210,209 -1.977 -28.798 -30.775 USC41 -1.547 0.0003% 0.0013% 443,881 -5.781 -38.806 -44.586 USC42 -0.325 0.0001% 0.0020% 85,680 -1.673 -0.638 -2.311 USC44 -0.529 0.0001% 0.0012% 154,279 -1.814 -3.391 -5.204 USC4		USC33	0.000	0.0000%	0.0013%	502,771	-6.570	-32.776	-39.347
Non- Commodity Sectors USC35 -145.299 0.0301% 0.0313% 942,803 -295.085 -47.783 -342.868 Non- Commodity Sectors USC37 -1.272 0.0001% 0.0011% 586,269 -6.207 -38.087 -44.294 USC37 -1.272 0.0003% 0.0008% 1,287,273 -10.640 -53.140 -63.780 USC38 -0.930 0.0002% 0.0015% 1,681,503 -24.536 -71.522 -96.058 USC39 -1.786 0.0004% 0.0009% 1,008,257 -8.747 -85.541 -94.288 USC40 -0.282 0.0001% 0.0009% 210,209 -1.977 -28.798 -30.775 USC41 -1.547 0.0003% 0.0013% 443,881 -5.781 -38.806 -44.586 USC42 -0.325 0.0001% 0.0020% 85,680 -1.673 -0.638 -2.311 USC43 -2.556 0.0005% 0.0017% 1,188,873 -20.218 -2.653 -22.91 <		USC34	0.000	0.0000%	0.0008%	162,269	-1.315	-17.880	-19.195
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		USC35	-145.299	0.0301%	0.0313%	942,803	-295.085	-47.783	-342.868
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		USC36	-0.397	0.0001%	0.0011%	586,269	-6.207	-38.087	-44.294
INOR- Commodity Sectors USC38 -0.930 0.0002% 0.0015% 1,681,503 -24.536 -71.522 -96.058 Sectors USC39 -1.786 0.0004% 0.0009% 1,008,257 -8.747 -85.541 -94.288 USC40 -0.282 0.0001% 0.0009% 210,209 -1.977 -28.798 -30.775 USC41 -1.547 0.0003% 0.0013% 443,881 -5.781 -38.806 -44.586 USC42 -0.325 0.0001% 0.0020% 85,680 -1.673 -0.638 -2.311 USC43 -2.556 0.0005% 0.0017% 1,188,873 -20.218 -2.653 -22.871 USC44 -0.529 0.0001% 0.0012% 154,279 -1.814 -3.391 -5.204 USC45 -1.861 0.0004% 0.0025% 498,852 -12.556 -9.015 -21.572 USC46 -3.695 0.008% 0.0012% 1,288,980 -15.420 -7.491 -22.911 USC47	Norm	USC37	-1.272	0.0003%	0.0008%	1,287,273	-10.640	-53.140	-63.780
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	NOI-	USC38	-0.930	0.0002%	0.0015%	1,681,503	-24.536	-71.522	-96.058
Sectors USC40 -0.282 0.0001% 0.0009% 210,209 -1.977 -28.798 -30.775 USC41 -1.547 0.0003% 0.0013% 443,881 -5.781 -38.806 -44.586 USC42 -0.325 0.0001% 0.0020% 85,680 -1.673 -0.638 -2.311 USC43 -2.556 0.0005% 0.0017% 1,188,873 -20.218 -2.653 -22.871 USC44 -0.529 0.0001% 0.0012% 154,279 -1.814 -3.391 -5.204 USC45 -1.861 0.0004% 0.0025% 498,852 -12.556 -9.015 -21.572 USC46 -3.695 0.0008% 0.0012% 1,288,980 -15.420 -7.491 -22.911 USC47 -20.937 0.0043% 0.0062% 755,883 -47.074 -42.712 -89.786 Total -628.371 0.1301% 0.2044% 17,769,757 -1138.696 -900.216 -2,038.91	Commonly	USC39	-1.786	0.0004%	0.0009%	1,008,257	-8.747	-85.541	-94.288
USC41 -1.547 0.0003% 0.0013% 443,881 -5.781 -38.806 -44.586 USC42 -0.325 0.0001% 0.0020% 85,680 -1.673 -0.638 -2.311 USC43 -2.556 0.0005% 0.0017% 1,188,873 -20.218 -2.653 -22.871 USC44 -0.529 0.0001% 0.0012% 154,279 -1.814 -3.391 -5.204 USC45 -1.861 0.0004% 0.0025% 498,852 -12.556 -9.015 -21.572 USC46 -3.695 0.0008% 0.0012% 1,288,980 -15.420 -7.491 -22.911 USC47 -20.937 0.0043% 0.0062% 755,883 -47.074 -42.712 -89.786 Total -628.371 0.1301% 0.2044% 17,769,757 -1138.696 -900.216 -2,038.91	Sectors	USC40	-0.282	0.0001%	0.0009%	210,209	-1.977	-28.798	-30.775
USC42 -0.325 0.0001% 0.0020% 85,680 -1.673 -0.638 -2.311 USC43 -2.556 0.0005% 0.0017% 1,188,873 -20.218 -2.653 -22.871 USC44 -0.529 0.0001% 0.0012% 154,279 -1.814 -3.391 -5.204 USC45 -1.861 0.0004% 0.0025% 498,852 -12.556 -9.015 -21.572 USC46 -3.695 0.0008% 0.0012% 1,288,980 -15.420 -7.491 -22.911 USC47 -20.937 0.0043% 0.0062% 755,883 -47.074 -42.712 -89.786 Total -628.371 0.1301% 0.2044% 17,769,757 -1138.696 -900.216 -2,038.91		USC41	-1.547	0.0003%	0.0013%	443,881	-5.781	-38.806	-44.586
USC43 -2.556 0.0005% 0.0017% 1,188,873 -20.218 -2.653 -22.871 USC44 -0.529 0.0001% 0.0012% 154,279 -1.814 -3.391 -5.204 USC45 -1.861 0.0004% 0.0025% 498,852 -12.556 -9.015 -21.572 USC46 -3.695 0.0008% 0.0012% 1,288,980 -15.420 -7.491 -22.911 USC47 -20.937 0.0043% 0.0062% 755,883 -47.074 -42.712 -89.786 Total -628.371 0.1301% 0.2044% 17,769,757 -1138.696 -900.216 -2,038.91		USC42	-0.325	0.0001%	0.0020%	85,680	-1.673	-0.638	-2.311
USC44 -0.529 0.0001% 0.0012% 154,279 -1.814 -3.391 -5.204 USC45 -1.861 0.0004% 0.0025% 498,852 -12.556 -9.015 -21.572 USC46 -3.695 0.0008% 0.0012% 1,288,980 -15.420 -7.491 -22.911 USC47 -20.937 0.0043% 0.0062% 755,883 -47.074 -42.712 -89.786 Total -628.371 0.1301% 0.2044% 17,769,757 -1138.696 -900.216 -2,038.91		USC43	-2.556	0.0005%	0.0017%	1,188,873	-20.218	-2.653	-22.871
USC45 -1.861 0.0004% 0.0025% 498,852 -12.556 -9.015 -21.572 USC46 -3.695 0.0008% 0.0012% 1,288,980 -15.420 -7.491 -22.911 USC47 -20.937 0.0043% 0.0062% 755,883 -47.074 -42.712 -89.786 Total -628.371 0.1301% 0.2044% 17,769,757 -1138.696 -900.216 -2,038.91		USC44	-0.529	0.0001%	0.0012%	154,279	-1.814	-3.391	-5.204
USC46 -3.695 0.0008% 0.0012% 1,288,980 -15.420 -7.491 -22.911 USC47 -20.937 0.0043% 0.0062% 755,883 -47.074 -42.712 -89.786 Total -628.371 0.1301% 0.2044% 17,769,757 -1138.696 -900.216 -2,038.91		USC45	-1.861	0.0004%	0.0025%	498,852	-12.556	-9.015	-21.572
USC47 -20.937 0.0043% 0.0062% 755,883 -47.074 -42.712 -89.786 Total -628.371 0.1301% 0.2044% 17,769,757 -1138.696 -900.216 -2,038.91		USC46	-3.695	0.0008%	0.0012%	1,288,980	-15.420	-7.491	-22.911
Total -628.371 0.1301% 0.2044% 17,769,757 -1138.696 -900.216 -2,038.91		USC47	-20.937	0.0043%	0.0062%	755,883	-47.074	-42.712	-89.786
	Tota	ป	-628.371	0.1301%	0.2044%	17,769,757	-1138.696	-900.216	-2,038.91

Table 9. Border Closures: Median Illegal Migration Reduction

1. Impact unit: \$Millions.

2. 2006 total employment (144,850 million) from U.S. department of labor

3. Low-end labor supply elasticity is assumed -0.3 (Borjas, 2003)

4. Illegal job proportions are available at the <u>http://en.wikipedia.org/wiki/Illegal_immigrant_population_of_the_United_States</u>

Classification	Leontief Price Model			Total Industry			Demand-side USIO	
Classification	USCsec.	Job Losses(1000)	Increased Wage	Increased Price	Output	Direct Impact	Indirect Impact	Total Impact
	USC01	-33.077	0.0069%	0.0136%	173,097	-23.603	-13.704	-37.306
	USC02	-60.058	0.0124%	0.0151%	118,853	-17.952	-9.397	-27.349
	USC03	-12.619	0.0026%	0.0088%	44,785	-3.949	-6.097	-10.047
	USC04	0.000	0.0000%	0.0038%	84,932	-3.236	-2.091	-5.327
	USC05	-17.835	0.0037%	0.0086%	286,070	-24.685	-14.997	-39.683
	USC06	-0.982	0.0002%	0.0022%	61,546	-1.346	-3.067	-4.413
	USC07	-1.434	0.0003%	0.0015%	52,637	-0.798	-0.067	-0.866
	USC08	-1.390	0.0003%	0.0016%	19,049	-0.301	-6.415	-6.716
	USC09	-0.417	0.0001%	0.0014%	9,129	-0.128	-1.391	-1.519
	USC10	-5.820	0.0012%	0.0033%	371,603	-12.342	-45.788	-58.130
	USC11	-1.708	0.0004%	0.0023%	76,034	-1.727	-6.292	-8.018
	USC12	-3.561	0.0007%	0.0020%	134,457	-2.684	-1.142	-3.826
	USC13	-0.468	0.0001%	0.0016%	16,209	-0.264	-2.076	-2.340
Commodity	USC14	-3.796	0.0008%	0.0026%	142,133	-3.706	-15.283	-18.989
Sectors	USC15	-11.090	0.0023%	0.0044%	203,666	-8.869	-29.992	-38.861
Sectors	USC16	-13.698	0.0028%	0.0055%	101,676	-5.614	-38.160	-43.774
	USC17	-5.655	0.0012%	0.0033%	142,353	-4.751	-17.958	-22.708
	USC18	-16.179	0.0034%	0.0048%	203,883	-9.858	-23.545	-33.403
	USC19	-16.641	0.0034%	0.0059%	172,998	-10.214	-9.178	-19.392
	USC20	-6.143	0.0013%	0.0029%	97,801	-2.883	-36.443	-39.325
	USC21	-4.824	0.0010%	0.0028%	121,498	-3.363	-20.827	-24.190
	USC22	-14.053	0.0029%	0.0046%	184,519	-8.520	-42.220	-50.740
	USC23	-18.816	0.0039%	0.0059%	331,350	-19.702	-28.798	-48.500
	USC24	-27.598	0.0057%	0.0075%	601,195	-45.057	-35.145	-80.202
	USC25	-14.303	0.0030%	0.0060%	447,184	-26.909	-21.140	-48.050
	USC26	-5.584	0.0012%	0.0033%	118,010	-3.948	-1.069	-5.017
	USC27	-6.614	0.0014%	0.0030%	114,130	-3.416	-3.145	-6.562
	USC28	-7.758	0.0016%	0.0037%	73,637	-2.732	-8.518	-11.250
	USC29	-11.369	0.0024%	0.0040%	282,474	-11.263	-7.270	-18.533
	USC30	0.000	0.0000%	0.0019%	296,699	-5.711	-22.244	-27.955
	USC31	-280.500	0.0581%	0.0630%	1,013,114	-638.113	-9.593	-647.705
	USC32	0.000	0.0000%	0.0011%	875,258	-10.037	-84.493	-94.530
	USC33	0.000	0.0000%	0.0018%	502,771	-8.879	-44.292	-53.171
	USC34	0.000	0.0000%	0.0011%	162,269	-1.777	-24.163	-25.940
	USC35	-196.350	0.0407%	0.0423%	942,803	-398.763	-64.572	-463.335
	USC36	-0.537	0.0001%	0.0014%	586,269	-8.388	-51.469	-59.857
Non-	USC37	-1.719	0.0004%	0.0011%	1,287,273	-14.378	-71.811	-86.189
Commodity	USC38	-1.257	0.0003%	0.0020%	1,681,503	-33.157	-96.651	-129.808
Sectors	USC39	-2.414	0.0005%	0.0012%	1,008,257	-11.820	-115.595	-127.416
Sectors	USC40	-0.381	0.0001%	0.0013%	210,209	-2.671	-38.916	-41.587
	USC41	-2.091	0.0004%	0.0018%	443,881	-7.812	-52.440	-60.252
	USC42	-0.440	0.0001%	0.0026%	85,680	-2.260	-0.863	-3.123
	USC43	-3.454	0.0007%	0.0023%	1,188,873	-27.321	-3.585	-30.906
	USC44	-0.715	0.0001%	0.0016%	154,279	-2.451	-4.582	-7.033
	USC45	-2.515	0.0005%	0.0034%	498,852	-16.968	-12.183	-29.151
	USC46	-4.993	0.0010%	0.0016%	1,288,980	-20.838	-10.123	-30.961
	USC47	-28.293	0.0059%	0.0084%	755,883	-63.614	-57.719	-121.333
Tota	al	-849.150	0.1759%	0.2762%	17,769,757	-1538.778	-1216.509	-2,755.29

Table 10. Border Closures: Maximum Illegal Migration Reduction

1. Impact unit: \$Millions.

2. 2006 total employment (144,850 million) from U.S. department of labor

3. Low-end labor supply elasticity is assumed -0.3 (Borjas, 2003)

4. Illegal job proportions are available at the <u>http://en.wikipedia.org/wiki/Illegal_immigrant_population_of_the_United_States</u>

State	Direct Impacts	Indirect Impacts	Total Impacts
AL	0.0	-22.2	-22.2
AK	-27.5	-18.0	-45.5
AZ	-1,965.4	-992.6	-2958.1
AR	0.0	-19.0	-19.0
CA	-5,057.1	-2542.4	-7599.5
	0.0	-16.1	-16.1
СТ	0.0	-10.0	-10.0
DE	0.0	-2.5	-2.5
DC	0.0	-0.9	-0.9
FL	0.0	-21.8	-21.8
GA	0.0	-21.6	-21.6
Н	0.0	-2.3	-2.3
D	-23.0	-16.8	-39.8
	0.0	-50.5	-50.5
IN	0.0	-32.5	-32.5
IA	0.0	-13.6	-13.6
KS	0.0	-11.8	-11.8
KY	0.0	-19.8	-19.8
LA	0.0	-50.0	-50.0
ME	-418.8	-241.3	-660.0
MD	0.0	-7.0	-7.0
MA	0.0	-21.5	-21.5
MI	-1,055.1	-587.3	-1642.3
MN	-173.0	-115.1	-288.1
MS	0.0	-14.5	-14.5
МО	0.0	-21.2	-21.2
МГ	-90.7	-59.7	-150.4
NE	0.0	-5.1	-5.1
NV	0.0	-5.7	-5.7
NH	0.0	-8.0	-8.0
NJ	0.0	-27.6	-27.6
NM	-128.1	-81.2	-209.3
NY	-1,368.4	-692.4	-2060.8
NC	0.0	-22.6	-22.6
ND	-99.2	-62.2	-161.4
OH	0.0	-58.6	-58.6
OK	0.0	-40.5	-40.5
OR	0.0	-23.7	-23.7
PA	0.0	-43.0	-43.0
RI	0.0	-2.8	-2.8
SC	0.0	-14.7	-14.7
SD	0.0	-2.4	-2.4
TN	0.0	-22.2	-22.2
TX	-6,947.2	-3712.4	-10659.6
UT	0.0	-10.4	-10.4
VM	-136.0	-77.2	-213.2
VA	0.0	-14.4	-14.4
WA	-640.2	-358.2	-998.4
WV	0.0	-8.8	-8.8
	0.0	-39.3	-39.3
WY	0.0	-3.2	-3.2
US_subtotal	-18,129.8	-10,268.3	-28,398.1
FOREIGN	0.0	-475.2	-475.2
Total	10 100 0	10.742.5	10 CT 2
10181	-10,129.0	-10,745.5	-26,873.3

Table 11. Border Closures: Case of cross-border shopping, based on the assumption of 60 percent foreigner (\$Millions)

1. Input data of number of incoming cross-border, *not by air*, are obtained from http://www.transtats.bts.gov/Fields.asp?Table_ID=1358.

2. Based on Chris Soares' Table 3.2 "Same-Day Travel Between the United States and Canada and the United States and Mexico by Transportation Mode: 2000-2004", we assume 60 percent of incoming people crossing the border as foreigners.

3. We assumed \$100 expenditures for retail industry (USC sector 35) per incoming person crossing border.

State	Direct Impacts	Indirect Impacts	Total Impacts
AL	0.0	-7.4	-7.4
AK	-9.2	-6.0	-15.2
AZ	-655.1	-330.9	-986.0
AR	0.0	-6.3	-6.3
CA	-1,685.7	-847.5	-2533.2
СО	0.0	-5.4	-5.4
CT	0.0	-3.3	-3.3
DE	0.0	-0.8	-0.8
DC	0.0	-0.3	-0.3
FL	0.0	-7.3	-7.3
GA	0.0	-7.2	-7.2
HI	0.0	-0.8	-0.8
ID	-7.7	-5.6	-13.3
IL	0.0	-16.8	-16.8
IN	0.0	-10.8	-10.8
IA	0.0	-4.5	-4.5
KS	0.0	-3.9	-3.9
KY	0.0	-6.6	-6.6
LA	0.0	-16.7	-16.7
ME	-139.6	-80.4	-220.0
MD	0.0	-2.3	-2.3
MA	0.0	-7.2	-7.2
MI	-351.7	-195.8	-547.4
MN	-57.7	-38.4	-96.0
MS	0.0	-4.8	-4.8
MO	0.0	-7.1	-7.1
MT	-30.2	-19.9	-50.1
NE	0.0	-1.7	-1.7
NV	0.0	-1.9	-1.9
NH	0.0	-2.7	-2.7
NJ	0.0	-9.2	-9.2
NM	-42.7	-27.1	-69.8
NY	-456.1	-230.8	-686.9
NC	0.0	-7.5	-7.5
ND	-33.1	-20.7	-53.8
OH	0.0	-19.5	-19.5
OK	0.0	-13.5	-13.5
OR	0.0	-7.9	-7.9
PA	0.0	-14.3	-14.3
RI	0.0	-0.9	-0.9
SC	0.0	-4.9	-4.9
SD	0.0	-0.8	-0.8
TN	0.0	-7.4	-7.4
TX	-2,315.7	-1237.5	-3553.2
UT	0.0	-3.5	-3.5
VM	-45.3	-25.7	-71.1
VA	0.0	-4.8	-4.8
WA	-213.4	-119.4	-332.8
WV	0.0	-2.9	-2.9
WI	0.0	-13.1	-13.1
WY	0.0	-1.1	-1.1
US_subtotal	-6,043.3	-3,422.8	-9,466.0
FOREIGN	0.0	-475.2	-475.2
Total	-6.043.3	-3,898.0	-9.941.2
	0,01010	5,5>610	,,,

Table 12. Border Closures: Case of cross-border shopping, based on the instead shopping of U.S. residents (\$Millions)

1. Input data of number of incoming cross-border, *not by air*, are obtained from <u>http://www.transtats.bts.gov/Fields.asp?Table_ID=1358</u>.

2. Based on Chris Soares' Table 3.2 "Same-Day Travel Between the United States and Canada and the United States and Mexico by Transportation Mode: 2000-2004", we assume 40 percent of incoming people crossing the border as the U.S. residents. Those substitute domestic purchase for shopping abroad if the U.S. borders were closed.

3. We assumed \$100 expenditures for retail industry (USC sector 35) per incoming person crossing border.