



Benefit-Cost Analysis  
Supporting Documentation

***“Improving Efficiency and Freight Opportunities in Kansas City”***

A Joint Application by:

Unified Government of Wyandotte County and Kansas City, Kansas

Kansas Department of Transportation

12/14/2016

# FASTLANE **BENEFIT COST ANALYSIS** Summary

Excel Tab	Description
<a href="#">Benefit Cost Summary Table</a>	----- Summary of benefits and costs tab
<a href="#">Detailed Benefit Cost Spreadsheet</a>	----- Detailed breakdown of benefits and costs
<a href="#">Calculations</a>	----- Summary of raw calculations that are used in the detailed benefits and costs tab
<a href="#">Inputs &amp; Assumptions</a>	----- Summary of inputs that go into the calculations tab

Measure	Undiscounted (2017 \$)	NPV Discounted at 3%	NPV Discounted at 7%
Maintenance Savings	\$754,338	\$515,816	\$334,371
Travel Time Savings	\$2,762,966	\$1,968,992	\$1,344,450
Increased Tax Revenue	\$137,329,090	\$92,905,167	\$58,639,069
Economic Impact (Jobs)	\$2,059,936,347	\$1,393,577,508	\$879,586,034
Environmental Benefits	\$7,016,337	\$4,880,246	\$4,880,246
<b>Total Benefits</b>	<b>\$2,207,799,078</b>	<b>\$1,493,847,729</b>	<b>\$944,784,169</b>
<b>Construction Costs</b>	<b>(\$30,805,600)</b>	<b>(\$29,472,791)</b>	<b>(\$27,848,542)</b>
<b>Maintenance Costs</b>	<b>(\$519,318)</b>	<b>(\$355,109)</b>	<b>(\$230,195)</b>
<b>Total Cost</b>	<b>(\$31,324,918)</b>	<b>(\$29,827,901)</b>	<b>(\$28,078,737)</b>
<b>Benefit-Cost Ratio</b>	<b>70.48</b>	<b>50.08</b>	<b>33.65</b>

3% Discount Rate	
<b>Net Present Value</b>	<b>\$1,464,019,828</b>
<b>Internal Rate of Return</b>	<b>119%</b>
<b>Benefit/Cost Ratio</b>	<b>50.08</b>
7% Discount Rate	
<b>Net Present Value</b>	<b>\$916,705,432</b>
<b>Internal Rate of Return</b>	<b>111%</b>
<b>Benefit/Cost Ratio</b>	<b>33.65</b>

Year	Calendar Year	Non-CO2 Benefits				Non-CO2 Costs		Net non-CO2 Benefits	7% NPV Non-CO2 Benefits	3% NPV Non-CO2 Benefits	CO2 Reduced (Metric Tons)	3% SCC (2015\$)	Undiscounted CO2 Costs @ 3% Avg SCC	NPV CO2 Costs @ 3% Avg SCC	7% NPV Total Benefits	3% NPV Total Benefits
		Jobs Impact	Maint. Savings	Time Savings	Tax Revenue	Capital	Maintenance									
0	2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	2018	-	21,890	116,858	-	(15,402,800)	(15,070)	(15,279,122)	(14,279,553)	(14,834,099)	5,313	44	233,778	226,968	(14,052,584)	(14,607,130)
2	2019	-	22,656	117,151	-	(15,402,800)	(15,997)	(15,278,591)	(13,344,913)	(14,401,537)	5,326	45	239,688	225,929	(13,118,984)	(14,175,608)
3	2020	36,723,600	23,449	117,443	2,448,240	-	(16,143)	39,296,589	32,077,722	35,961,946	5,340	47	250,967	229,670	32,307,393	36,191,616
4	2021	74,181,672	24,270	117,737	4,945,445	-	(16,708)	79,252,415	60,461,288	70,414,744	5,353	47	251,594	223,538	60,684,827	70,638,283
5	2022	93,654,361	25,119	118,031	6,243,624	-	(17,293)	100,023,842	71,315,617	86,281,445	5,366	48	257,590	222,199	71,537,817	86,503,644
6	2023	94,590,905	25,998	118,326	6,306,600	-	(17,898)	101,023,391	67,316,151	84,605,500	5,380	50	268,994	225,278	67,541,429	84,830,778
7	2024	95,536,814	26,908	118,622	6,369,121	-	(18,525)	102,032,940	63,540,987	82,962,118	5,393	51	275,059	223,648	63,764,636	83,185,766
8	2025	96,492,182	27,850	118,919	6,432,812	-	(19,173)	103,052,590	59,977,545	81,350,666	5,407	52	281,154	221,945	60,199,491	81,572,611
9	2026	97,457,104	28,825	119,216	6,497,140	-	(19,844)	104,082,440	56,613,951	79,770,524	5,420	53	287,277	220,174	56,834,125	79,990,698
10	2027	98,431,675	29,834	119,514	6,562,112	-	(20,539)	105,122,595	53,438,997	78,221,083	5,434	54	293,429	218,339	53,657,336	78,438,422
11	2028	99,415,991	30,878	119,813	6,627,733	-	(21,258)	106,173,157	50,442,102	76,701,748	5,447	55	299,610	216,445	50,658,547	76,918,193
12	2029	100,410,151	31,959	120,112	6,694,010	-	(22,002)	107,234,231	47,613,281	75,211,932	5,461	55	300,359	210,666	47,823,947	75,422,598
13	2030	101,414,253	33,077	120,413	6,760,950	-	(22,772)	108,305,921	44,943,107	73,751,062	5,475	56	306,585	208,769	45,151,876	73,959,831
14	2031	102,428,395	34,235	120,714	6,828,560	-	(23,569)	109,388,335	42,422,682	72,318,576	5,488	58	312,328	210,452	42,633,135	72,529,028
15	2032	103,452,679	35,433	121,016	6,896,845	-	(24,394)	110,481,580	40,043,609	70,913,922	5,502	59	324,626	208,365	40,251,974	71,122,287
16	2033	104,487,206	36,673	121,318	6,965,814	-	(25,248)	111,585,764	37,797,959	69,536,559	5,516	60	330,954	206,239	38,004,198	69,742,798
17	2034	105,532,078	37,957	121,621	7,035,472	-	(26,131)	112,700,997	35,678,249	68,185,957	5,530	61	337,311	204,078	35,828,328	68,390,035
18	2035	106,587,399	39,285	121,925	7,105,827	-	(27,046)	113,827,391	33,677,418	66,861,595	5,544	62	343,697	201,886	33,879,304	67,063,481
19	2036	107,653,273	40,660	122,230	7,176,885	-	(27,992)	114,965,056	31,788,796	65,562,965	5,557	63	350,114	199,665	31,988,461	65,762,630
20	2037	108,729,806	42,084	122,536	7,248,654	-	(28,972)	116,114,107	30,006,092	64,289,566	5,571	64	356,561	197,419	30,203,511	64,486,984
21	2038	109,817,104	43,556	122,842	7,321,140	-	(29,986)	117,274,656	28,323,364	63,040,907	5,585	65	363,037	195,150	28,518,515	63,236,057
22	2039	110,915,275	45,081	123,149	7,394,352	-	(31,036)	118,446,821	26,735,007	61,816,508	5,599	66	369,544	192,862	26,927,869	62,009,370
23	2040	112,024,427	46,659	123,457	7,468,295	-	(32,122)	119,630,717	25,235,727	60,615,897	5,613	67	376,081	190,557	25,426,284	60,806,454
Totals		\$ 2,059,936,347	\$ 754,338	\$ 2,762,966	\$ 137,329,090	\$ (30,805,600)	\$ (519,318)	Totals	\$ 911,825,186	\$ 1,459,139,583			\$ 7,016,337	\$ 4,880,246	\$ 916,705,432	\$ 1,464,019,828

**7% NPV**

Year	Calendar Year	Jobs Impact	Maint. Savings	Time Savings	Tax Revenue	Capital	Maintenance	Non-CO2 Total	CO2 Benefits	Total
0	2017	-	-	-	-	-	-	-	-	-
1	2018	-	20,458	109,213	-	(14,395,140)	(14,064)	(14,279,553)	226,968	(14,052,584)
2	2019	-	19,789	102,324	-	(14,453,402)	(13,623)	(13,344,913)	225,929	(13,118,984)
3	2020	29,977,397	19,141	95,869	1,998,493	-	(13,178)	32,077,722	229,670	32,307,393
4	2021	56,592,842	18,515	89,821	3,772,856	-	(12,747)	60,461,288	223,538	60,684,827
5	2022	66,774,265	17,910	84,155	4,451,618	-	(12,330)	71,315,617	222,199	71,537,817
6	2023	63,029,914	17,324	78,846	4,201,994	-	(11,926)	67,316,151	225,278	67,541,429
7	2024	59,495,526	16,757	73,872	3,966,368	-	(11,536)	63,540,987	223,648	63,764,636
8	2025	56,159,328	16,209	69,212	3,743,955	-	(11,159)	59,977,545	221,945	60,199,491
9	2026	53,010,207	15,679	64,846	3,534,014	-	(10,794)	56,613,951	220,174	56,834,125
10	2027	50,037,672	15,166	60,755	3,335,845	-	(10,441)	53,438,997	218,339	53,657,336
11	2028	47,231,821	14,670	56,922	3,148,788	-	(10,099)	50,442,102	216,445	50,658,547
12	2029	44,583,308	14,190	53,331	2,972,221	-	(9,769)	47,613,281	210,666	47,823,947
13	2030	42,083,309	13,726	49,967	2,805,554	-	(9,449)	44,943,107	208,769	45,151,876
14	2031	39,723,498	13,277	46,815	2,648,233	-	(9,140)	42,422,682	210,452	42,633,135
15	2032	37,496,012	12,843	43,862	2,499,734	-	(8,841)	40,043,609	208,365	40,251,974
16	2033	35,393,432	12,423	41,095	2,359,562	-	(8,552)	37,797,959	206,239	38,004,198
17	2034	33,408,753	12,016	38,502	2,227,250	-	(8,272)	35,678,249	204,078	35,828,328
18	2035	31,535,365	11,623	36,073	2,102,358	-	(8,002)	33,677,418	201,886	33,879,304
19	2036	29,767,027	11,243	33,798	1,984,468	-	(7,740)	31,788,796	199,665	31,988,461
20	2037	28,097,848	10,875	31,666	1,873,190	-	(7,487)	30,006,092	197,419	30,203,511
21	2038	26,522,268	10,519	29,668	1,768,151	-	(7,242)	28,323,364	195,150	28,518,515
22	2039	25,035,038	10,175	27,796	1,669,003	-	(7,005)	26,735,007	192,862	26,927,869
23	2040	23,631,204	9,843	26,043	1,575,414	-	(6,776)	25,235,727	190,557	25,426,284
Totals		\$ 879,586,034	\$ 334,371	\$ 1,344,450	\$ 58,639,069	\$ (27,848,542)	\$ (230,195)	\$ 911,825,186	\$ 4,880,246	\$ 916,705,432

3% Discount Rate	
Net Present Value	\$ 1,464,019,828
Internal Rate of Return	119%
Benefit/Cost Ratio	50.08
7% Discount Rate	
Net Present Value	\$ 916,705,432
Internal Rate of Return	111%
Benefit/Cost Ratio	33.65

**3% NPV**

Year	Calendar Year	Jobs Impact	Maint. Savings	Time Savings	Tax Revenue	Capital	Maintenance	Non-CO2 Total	CO2 Benefits	Total
0	2017	-	-	-	-	-	-	-	-	-
1	2018	-	21,252	113,455	-	(14,954,175)	(14,631)	(14,834,099)	226,968	(14,607,130)
2	2019	-	21,356	110,426	-	(14,518,616)	(14,702)	(14,401,537)	225,929	(14,175,608)
3	2020	33,607,296	21,459	107,477	2,240,486	-	(14,773)	35,961,946	229,670	36,191,616
4	2021	65,909,455	21,563	104,608	4,393,964	-	(14,845)	70,414,744	223,538	70,638,283
5	2022	80,787,074	21,668	101,815	5,385,805	-	(14,917)	86,281,445	222,199	86,503,644
6	2023	79,218,393	21,773	99,097	5,281,226	-	(14,990)	84,605,500	225,278	84,830,778
7	2024	77,680,172	21,879	96,451	5,178,678	-	(15,062)	82,962,118	223,648	83,185,766
8	2025	76,171,819	21,985	93,876	5,076,121	-	(15,136)	81,350,666	221,945	81,572,611
9	2026	74,692,755	22,092	91,369	4,970,517	-	(15,209)	79,770,524	220,174	79,990,698
10	2027	73,242,410	22,199	88,930	4,862,827	-	(15,283)	78,221,083	218,339	78,438,422
11	2028	71,820,227	22,307	86,555	4,788,015	-	(15,357)	76,701,748	216,445	76,918,193
12	2029	70,425,660	22,415	84,244	4,695,044	-	(15,432)	75,211,932	210,666	75,422,598
13	2030	69,058,171	22,524	81,995	4,603,878	-	(15,506)	73,751,062	208,769	73,959,831
14	2031	67,717,236	22,633	79,806	4,514,482	-	(15,582)	72,318,576	210,452	72,529,028
15	2032	66,402,338	22,743	77,675	4,426,823	-	(15,657)	70,913,922	208,365	71,122,287
16	2033	65,112,972	22,854	75,601	4,340,865	-	(15,733)	69,536,559	206,239	69,742,798
17	2034	63,848,643	22,965	73,583	4,256,576	-	(15,810)	68,185,957	204,078	68,390,035
18	2035	62,608,863	23,076	71,618	4,173,924	-	(15,887)	66,861,595	201,886	67,063,481
19	2036	61,393,157	23,188	69,706	4,092,877	-	(15,964)	65,562,965	199,665	65,762,630
20	2037	60,201,057	23,301	67,845	4,013,404	-	(16,041)	64,289,566	197,419	64,486,984
21	2038	59,032,105	23,414	66,034	3,935,474	-	(16,119)	63,040,907	195,150	63,236,057
22	2039	57,885,850	23,527	64,271	3,859,057	-	(16,197)	61,816,508	192,862	62,009,370
23	2040	56,761,853	23,642	62,555	3,784,124	-	(16,276)	60,615,897	190,557	60,806,454
Totals		\$ 1,393,577,508	\$ 515,816	\$ 1,968,992	\$ 92,905,167	\$ (29,472,791)	\$ (355,109)	\$ 1,459,139,583	\$ 4,880,246	\$ 1,464,019,828

**TURNER DIAGONAL COST & BENEFIT CALCULATIONS**

Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
<b>Economic Impact Ramp-Up</b>			40%	80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
<b>CONSTRUCTION COSTS FOR PROJECT</b>																							
Total Construction Cost	\$30,805,600																						
Percent of Cost per year	50%	50%																					
	\$15,402,800	\$15,402,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>MAINTENANCE COSTS FOR PROJECT</b>																							
Maintenance Cost per Lane Mile	\$11,000																						
Total Project Lane Miles	1.37																						
	\$15,070	\$15,597	\$16,143	\$16,708	\$17,293	\$17,898	\$18,525	\$19,173	\$19,844	\$20,539	\$21,258	\$22,002	\$22,772	\$23,569	\$24,394	\$25,248	\$26,131	\$27,046	\$27,992	\$28,972	\$29,986	\$31,036	\$32,122
<b>MAINTENANCE SAVINGS FROM REDUCED LANE MILES</b>																							
Maintenance Cost per Lane Mile	\$11,000																						
Reduction in Lane Miles	1.99																						
	\$21,890	\$22,656	\$23,449	\$24,270	\$25,119	\$25,998	\$26,908	\$27,850	\$28,825	\$29,834	\$30,878	\$31,959	\$33,077	\$34,235	\$35,433	\$36,673	\$37,957	\$39,285	\$40,660	\$42,084	\$43,556	\$45,081	\$46,659
<b>ECONOMIC IMPACT FROM JOBS CREATION</b>																							
<b>North</b>																							
Land developed (sqft)	3,000,000																						
Sqft/job created	1,333																						
Total jobs created	2,250																						
Average Annual Salary	40,000.00	40,400.00	40,804.00	41,212.04	41,624.16	42,040.40	42,460.81	42,885.41	43,314.27	43,747.41	44,184.89	44,626.73	45,073.00	45,523.73	45,978.97	46,438.76	46,903.15	47,372.18	47,845.90	48,324.36	48,807.60	49,295.68	49,788.63
Economic Impact with ramp-up	\$36,723,600	\$74,161,672	\$93,654,361	\$94,590,905	\$95,536,814	\$96,492,182	\$97,457,104	\$98,431,675	\$99,415,991	\$100,410,151	\$101,414,253	\$102,428,395	\$103,452,679	\$104,487,206	\$105,532,078	\$106,587,399	\$107,653,273	\$108,729,806	\$109,817,104	\$110,915,275	\$112,024,427		
<b>INCREASED REVENUE FROM TAX GENERATION</b>																							
Land developed (sqft)	3,000,000																						
Taxes generated per sqft	2.00	2.02	2.04	2.06	2.08	2.10	2.12	2.14	2.17	2.19	2.21	2.23	2.25	2.28	2.30	2.32	2.35	2.37	2.39	2.42	2.44	2.46	2.49
<b>Total Tax Generation with ramp-up</b>	\$2,448,240	\$4,945,445	\$6,243,624	\$6,306,060	\$6,369,121	\$6,432,812	\$6,497,140	\$6,562,112	\$6,627,733	\$6,694,010	\$6,760,950	\$6,828,560	\$6,896,845	\$6,965,814	\$7,035,472	\$7,105,827	\$7,176,885	\$7,248,654	\$7,321,140	\$7,394,352	\$7,468,295		
<b>ENVIRONMENTAL SAVINGS</b>																							
Reduction in Lane Miles	1.99																						
Total Ramp Traffic	5,594,720	5,608,707	5,622,729	5,636,785	5,650,877	5,665,005	5,679,167	5,693,365	5,707,598	5,721,867	5,736,172	5,750,512	5,764,889	5,779,301	5,793,749	5,808,234	5,822,754	5,837,311	5,851,904	5,866,534	5,881,200	5,895,903	5,910,643
Total Miles Avoided	11,133,493	11,161,327	11,189,230	11,217,203	11,245,246	11,273,359	11,301,542	11,329,796	11,358,121	11,386,516	11,414,982	11,443,520	11,472,129	11,500,809	11,529,561	11,558,385	11,587,281	11,616,249	11,645,290	11,674,403	11,703,589	11,732,848	11,762,180
Total Fuel Consumption Avoided	595,642	597,131	598,624	600,120	601,621	603,125	604,633	606,144	607,659	609,179	610,702	612,228	613,759	615,293	616,832	618,374	619,920	621,469	623,023	624,581	626,142	627,707	629,277
Tons of CO2 Avoided	5,313.13	5,326.41	5,339.72	5,353.07	5,366.46	5,379.87	5,393.32	5,406.81	5,420.32	5,433.87	5,447.46	5,461.08	5,474.73	5,488.42	5,502.14	5,515.89	5,529.68	5,543.51	5,557.37	5,571.26	5,585.19	5,599.15	5,613.15
3% SCC (2015)	44	45	47	47	48	50	51	52	53	54	55	55	56	58	59	60	61	62	63	64	65	66	67
	\$233,778	\$239,688	\$250,967	\$251,594	\$257,590	\$268,994	\$275,059	\$281,154	\$287,277	\$293,429	\$299,610	\$303,359	\$306,585	\$318,328	\$324,626	\$330,954	\$337,311	\$343,697	\$350,114	\$356,561	\$363,037	\$369,544	\$376,081
<b>TIME SAVINGS - TRUCKS</b>																							
Reduction in Travel Time (min)	5.00																						
Trucks per Year	52,560	52,691	52,823	52,955	53,088	53,220	53,353	53,487	53,620	53,754	53,889	54,024	54,159	54,294	54,430	54,566	54,702	54,839	54,976	55,114	55,251	55,389	55,528
Total Time Saved (hours)	4,380	4,391	4,402	4,413	4,424	4,435	4,446	4,457	4,468	4,480	4,491	4,502	4,513	4,525	4,536	4,547	4,559	4,570	4,581	4,593	4,604	4,616	4,627

General	Value	Unit	Data Source
Total Construction Cost	\$30,805,600		
Maintenance Cost per Lane Mile	\$11,000	\$/lane mile	
Existing Lane Miles	3.36	miles	
Proposed Lane Miles	1.37	miles	
Total 2016 Ramp Traffic	15,328	AADT	
Traffic Growth Rate	0.25%		
Percentage of Trucks/Heavy Vehicles	10.00%		Using I-70 percentage
Passenger Vehicles per day	225		
Trucks per day	144		
Time Savings per Passenger Vehicle	1	minute	
Time Savings per Truck	5	minutes	
Value of Travel Time (Passenger Vehicle)	\$19.52	\$/hour	BCA Resource Guide 2016 (Intercity Travel All Purposes)
Value of Travel Time (Truck)	\$26.68	\$/hour	BCA Resource Guide 2016 (Truck Drivers)
Total Land Turned Back with the project	49.8	acres	
Potential Land Developed	3,000,000	sqft	
Tax Generation	\$2.00	\$/sqft of developed land	
Soft per Job Created	1,333	soft/job	1.5 jobs created for every 2,000 sqft developed
Average Annual Salary	\$40,000.00		Provided by UG
Annual Salary Growth	1.00%		Calculated wage growth based on other work for UG
General Annual Escalation	3.50%		
Tax Generation Escalation	1.00%		5-year average CPI
<b>Environmental</b>			
CO2	varies		BCA Resource Guide 2016
NOX	\$8,010	\$/metric ton (2015)	BCA Resource Guide 2016
Sulfur Monoxide	\$47,341	\$/metric ton (2015)	BCA Resource Guide 2016
VOCs	\$2,032	\$/metric ton (2015)	BCA Resource Guide 2016
PMI	\$366,414	\$/metric ton (2015)	BCA Resource Guide 2016
CO2 emitted per gallon of motor gasoline burned	0.00892	tons	<a href="http://www.epa.gov/gmpower/pubs/calcmeth.htm">http://www.epa.gov/gmpower/pubs/calcmeth.htm</a>
Fuel Consumption per mile (car)	0.041	gallons/mile	AASHTO User Benefit Book
Fuel Consumption per mile (truck)	0.166	gallons/mile	AASHTO User Benefit Book

Year	KCK	MHI
2005	33157	
2006	35777	7.9%
2007	36211	1.2%
2008	36691	1.3%
2009	34652	-5.6%
2010	36677	5.8%
2011	37036	1.0%
2012	35876	-3.1%
2013	37789	5.3%
2014	35724	-5.5%
		0.8% 10-yr avg
		-0.7% 5-yr avg

Year	KCK	CPI
2005	185.3	
2006	190.1	2.6%
2007	194.479	2.3%
2008	201.15	3.4%
2009	200.959	-0.1%
2010	205.378	2.2%
2011	213.5	4.0%
2012	218.502	2.3%
2013	221.612	1.4%
2014	222.656	0.5%
2015	222.278	-0.2%
		1.8% 10-yr avg
		1.0% 5-yr avg

Year	Value	Source
2005	\$33,157	Source: 2005 ACS, 1-gear est.
2006	\$35,777	Source: 2006 ACS, 1-gear est.
2007	\$36,211	Source: 2007 ACS, 1-gear est.
2008	\$36,691	Source: 2008 ACS, 1-gear est.
2009	\$34,652	Source: 2009 ACS, 1-gear est.
2010	\$36,677	Source: 2010 ACS, 1-gear est.
2011	\$37,036	Source: 2011 ACS, 1-gear est.
2012	\$37,036	Source: 2012 ACS, 1-gear est.
2013	\$35,876	Source: 2013 ACS, 1-gear est.
2014	\$37,789	Source: 2014 ACS, 1-gear est.
2015	\$35,724	Source: 2014 ACS, 1-gear est.

### Annual averages U.S., Denver, Kansas City, and St. Louis

Consumer Price Indexes for All Urban Consumers (CPI-U), U.S. city average and selected metropolitan areas, annual average and percent change, 1995-2015 (1982-84=100)

Year	U.S. city average		Denver, CO		Kansas City, MO-KS		St. Louis, MO-IL	
	Annual average	12 month percent change	Annual average	12 month percent change	Annual average	12 month percent change	Annual average	12 month percent change
1995	152.4	2.8	147.9	4.3	145.3	2.8	145.2	2.8
1996	156.9	3.0	153.1	3.5	151.6	4.3	149.6	3.0
1997	160.5	2.3	158.1	3.3	155.8	2.8	152.9	2.2
1998	163.0	1.6	161.9	2.4	157.8	1.3	154.5	1.0
1999	166.6	2.2	166.6	2.9	160.1	1.5	157.6	2.0
2000	172.2	3.4	173.2	4.0	166.6	4.1	163.1	3.5
2001	177.1	2.8	181.3	4.7	172.2	3.4	167.3	2.6
2002	179.9	1.6	184.8	1.9	174.0	1.0	169.1	1.1
2003	184.0	2.3	188.8	1.1	177.0	1.7	173.4	2.5
2004	188.9	2.7	187.0	0.1	180.7	2.1	180.3	4.0
2005	195.3	3.4	190.9	2.1	185.3	2.5	186.2	3.3
2006	201.6	3.2	197.7	3.6	190.1	2.6	189.5	1.8
2007	207.842	2.8	202.029	2.2	194.479	2.3	193.231	2.0
2008	215.303	3.8	209.903	3.9	201.150	3.4	198.700	2.8
2009	214.537	-0.4	208.546	-0.6	200.959	-0.1	198.472	-0.1
2010	218.056	1.6	212.447	1.9	205.378	2.2	203.187	2.4
2011	224.939	3.2	220.288	3.7	211.500	4.0	209.776	3.2
2012	229.504	2.1	224.568	1.9	218.502	2.3	214.766	2.4
2013	232.957	1.5	230.791	2.8	221.612	1.4	217.965	1.5
2014	236.736	1.6	237.200	2.8	222.656	0.5	220.217	1.0
2015	237.017	0.1	239.990	1.2	222.278	-0.2	219.221	-0.4