

Summary

	3% Discount	7% Discount
Total Benefits	\$10,841,373	\$6,607,251
Total Costs	\$10,591,756	\$10,149,405
Benefit Cost Ratio	1.02	0.65

Benefits

Project Year	Analysis Year	Economic Competiveness	Safety	State of Good Repair	Environmental Sustainability		NPV of Benefits			
		Travel time savings	Accident Reduction	Maintenance and repair savings	All other emissions	CO2e	Total Non-CO2 Benefits	CO2 @ 7%	Total Benefits @ 3%	Total Benefits @ 7%
1	2020	\$49,120	\$1,793	\$58,790	\$68	\$4	\$109,771	\$4	\$106,577	\$102,593
2	2021	\$103,479	\$1,221	\$58,790	\$46	\$3	\$163,537	\$2	\$154,151	\$142,842
3	2022	\$159,607	\$649	\$121,790	\$25	\$1	\$282,070	\$1	\$258,135	\$230,255
4	2023	\$217,545	\$76	\$64,790	\$3	\$0	\$282,415	\$0	\$250,922	\$215,453
5	2024	\$277,339	-\$496	\$49,790	-\$19	-\$1	\$326,615	-\$1	\$281,740	\$232,871
6	2025	\$339,033	-\$1,068	\$67,790	-\$40	-\$2	\$405,715	-\$2	\$339,779	\$270,344
7	2026	\$402,674	-\$1,640	\$67,790	-\$62	-\$4	\$468,763	-\$2	\$381,145	\$291,919
8	2027	\$468,309	-\$2,212	\$37,790	-\$84	-\$5	\$503,804	-\$3	\$397,705	\$293,216
9	2028	\$535,986	-\$2,784	\$67,790	-\$106	-\$6	\$600,887	-\$3	\$460,527	\$326,840
10	2029	\$605,755	-\$3,356	\$124,790	-\$127	-\$8	\$727,063	-\$4	\$540,999	\$369,598
11	2030	\$677,666	-\$3,928	\$69,790	-\$149	-\$9	\$743,379	-\$4	\$537,029	\$353,170
12	2031	\$751,770	-\$4,500	\$69,790	-\$171	-\$10	\$816,890	-\$5	\$572,945	\$362,704
13	2032	\$828,120	-\$5,072	\$54,790	-\$192	-\$12	\$877,646	-\$5	\$597,629	\$364,187
14	2033	\$906,770	-\$5,644	\$71,790	-\$214	-\$13	\$972,702	-\$5	\$643,065	\$377,226
15	2034	\$987,774	-\$6,216	\$71,790	-\$236	-\$14	\$1,053,112	-\$5	\$675,947	\$381,691
16	2035	\$1,071,188	-\$6,788	\$71,790	-\$257	-\$31	\$1,135,933	-\$11	\$707,865	\$384,769
17	2036	\$1,157,070	-\$7,360	\$74,790	-\$279	-\$34	\$1,224,221	-\$11	\$740,663	\$387,546
18	2037	\$1,245,479	-\$7,932	\$74,790	-\$301	-\$36	\$1,312,036	-\$11	\$770,672	\$388,173
19	2038	\$1,336,473	-\$8,505	\$134,790	-\$322	-\$39	\$1,462,437	-\$11	\$833,996	\$404,365
20	2039	\$1,430,114	-\$9,077	-\$55,210	-\$344	-\$42	\$1,365,484	-\$11	\$756,025	\$352,856
21	2040	\$1,526,465	-\$9,653	\$34,790	-\$366	-\$44	\$1,551,236	-\$11	\$833,855	\$374,633
Total		\$15,077,735	-\$82,492	\$1,393,600	-\$3,128	-\$303	\$16,385,716	-\$96	\$10,841,373	\$6,607,251

Costs

Project Year	Analysis Year	Cost of Improvements	Maintenance	NPV of Costs		
		Capital Costs	Operation and Maintenance Costs	Total Costs	Total Costs @ 3%	Total Costs @ 7%
1	2020	\$10,787,131	\$0	\$10,787,131	\$10,472,943	\$10,081,431
2	2021	\$0	\$0	\$0	\$0	\$0
3	2022	\$0	\$0	\$0	\$0	\$0
4	2023	\$0	\$0	\$0	\$0	\$0
5	2024	\$0	\$15,000	\$15,000	\$12,939	\$10,695
6	2025	\$0	\$0	\$0	\$0	\$0
7	2026	\$0	\$0	\$0	\$0	\$0
8	2027	\$0	\$30,000	\$30,000	\$23,682	\$17,460
9	2028	\$0	\$0	\$0	\$0	\$0
10	2029	\$0	\$0	\$0	\$0	\$0
11	2030	\$0	\$0	\$0	\$0	\$0
12	2031	\$0	\$0	\$0	\$0	\$0
13	2032	\$0	\$15,000	\$15,000	\$10,214	\$6,224
14	2033	\$0	\$0	\$0	\$0	\$0
15	2034	\$0	\$0	\$0	\$0	\$0
16	2035	\$0	\$0	\$0	\$0	\$0
17	2036	\$0	\$0	\$0	\$0	\$0
18	2037	\$0	\$0	\$0	\$0	\$0
19	2038	\$0	\$0	\$0	\$0	\$0
20	2039	\$0	\$130,000	\$130,000	\$71,978	\$33,594
21	2040	\$0	\$0	\$0	\$0	\$0
Total		\$10,787,131	\$0	\$10,977,131	\$10,591,756	\$10,149,405

		Daily Regional VHT ¹		Daily Regional VMT ¹		Design, Construction and Capital Purchases Costs ²		Maintenance and Operating Cost ²	
Project Year	Analysis Year	Baseline	With Improvements	Baseline	With Improvements	Baseline	With Improvements	Baseline	With Improvements
1	2020	232.00	221.00	6,301.90	6,261	\$0	\$10,787,131	\$58,790	
2	2021	250.60	227.80	6,439.68	6,412	\$0	\$0	\$58,790	
3	2022	269.20	234.60	6,577.46	6,563	\$0	\$0	\$121,790	
4	2023	287.80	241.40	6,715.24	6,714	\$0	\$0	\$64,790	
5	2024	306.40	248.20	6,853.02	6,864	\$0	\$0	\$64,790	\$15,000
6	2025	325.00	255.00	6,990.80	7,015	\$0	\$0	\$67,790	
7	2026	343.60	261.80	7,128.58	7,166	\$0	\$0	\$67,790	
8	2027	362.20	268.60	7,266.36	7,317	\$0	\$0	\$67,790	\$30,000
9	2028	380.80	275.40	7,404.14	7,468	\$0	\$0	\$67,790	
10	2029	399.40	282.20	7,541.92	7,618	\$0	\$0	\$124,790	
11	2030	418.00	289.00	7,679.70	7,769	\$0	\$0	\$69,790	
12	2031	436.60	295.80	7,817.48	7,920	\$0	\$0	\$69,790	
13	2032	455.20	302.60	7,955.26	8,071	\$0	\$0	\$69,790	\$15,000
14	2033	473.80	309.40	8,093.04	8,222	\$0	\$0	\$71,790	
15	2034	492.40	316.20	8,230.82	8,372	\$0	\$0	\$71,790	
16	2035	511.00	323.00	8,368.60	8,523	\$0	\$0	\$71,790	
17	2036	529.60	329.80	8,506.38	8,674	\$0	\$0	\$74,790	
18	2037	548.20	336.60	8,644.16	8,825	\$0	\$0	\$74,790	
19	2038	566.80	343.40	8,781.94	8,976	\$0	\$0	\$134,790	
20	2039	585.40	350.20	8,919.72	9,126	\$0	\$0	\$74,790	\$130,000
21	2040	604.00	357.00	9,057.40	9,277	\$0	\$0	34,790	

Source:

¹NW business corridor Traffic Impact Analysis provided by WSP USA, Inc. numbers between 2020 and 2040 were interpolated based on linear growth rates

²Estimated projections provided by Driggs Design, contracted by Ellis County

Recommended hourly value of travel time savings¹

	2017 U.S. \$ per person-hour	\$16.10
	2018 U.S. \$ per person-hour	\$16.36
	2019 U.S. \$ per person-hour	\$16.63
	2020 U.S. \$ per person-hour	\$16.90
	2021 U.S. \$ per person-hour	\$17.18
	2022 U.S. \$ per person-hour	\$17.46
	2023 U.S. \$ per person-hour	\$17.75
	2024 U.S. \$ per person-hour	\$18.04
	2025 U.S. \$ per person-hour	\$18.33
	2026 U.S. \$ per person-hour	\$18.64
	2027 U.S. \$ per person-hour	\$18.94
	2028 U.S. \$ per person-hour	\$19.25
	2029 U.S. \$ per person-hour	\$19.57
	2030 U.S. \$ per person-hour	\$19.89
	2031 U.S. \$ per person-hour	\$20.21
	2032 U.S. \$ per person-hour	\$20.54
	2033 U.S. \$ per person-hour	\$20.88
	2034 U.S. \$ per person-hour	\$21.22
	2035 U.S. \$ per person-hour	\$21.57
	2036 U.S. \$ per person-hour	\$21.92
	2037 U.S. \$ per person-hour	\$22.28
	2038 U.S. \$ per person-hour	\$22.65
	2039 U.S. \$ per person-hour	\$23.02
	2040 U.S. \$ per person-hour	\$23.39

Working days per year	254
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Workers per car, truck or van²

Workers using a car truck or van to get to work	14,522
Number of vehicles used to get to work	13,993
Worker per car, truck or van	1.04

2017 Crash Rate per million VMT by Injury Severity³

Fatal (K)	0.0126
Disabling (A)	0.03
Minor (B)	0.17
Possible (C)	0.22
PDO (O)	1.52

Value of Injuries - Recommended Monetized Values¹

Category	Unit Value (2017\$)	Unit Value (2018\$)	Fatal (K)	Disabling (A)	Minor (B)	Possible (C)	PDO (O)
MAIS 6 (fatal)	\$9,600,000	\$9,757,254	1.00000	0.00000	0.00000	0.00000	0.00000
MAIS 5 (critical)	\$5,692,800	\$5,786,052	0.00000	0.01783	0.00101	0.00013	0.00003
MAIS 4 (severe)	\$2,553,600	\$2,595,430	0.00000	0.03986	0.00620	0.00142	0.00000
MAIS 3 (serious)	\$100,800	\$102,451	0.00000	0.14437	0.03191	0.01071	0.00008
MAIS 2 (moderate)	\$451,200	\$458,591	0.00000	0.20908	0.10898	0.06391	0.00198
MAIS 1 (minor)	\$28,800	\$29,272	0.00000	0.55449	0.76843	0.68946	0.07257
Property Damage Only	\$4,300	\$4,370	0.00000	0.03437	0.08347	0.23437	0.92534

Pollution Emissions by Mode⁴

Mode	Nox	VOC	PM2.5	CO2
Automobile	0.2	0.21	0.01	397

Value of Emissions - Recommended Monetized Values¹

Emission Type	2017\$	2018\$
Nitrogen Oxides (Nox)	\$9,142	\$9,292
Volatile Organic Compounds (VOC)	\$2,203	\$2,239
Particulate Matter (PM2.5)	\$416,147	\$422,963
Sulfure Dioxide (SO2)	\$53,863	\$54,746
Carbon Dioxide (CO2)		
1	2020	\$1
2	2021	\$1
3	2022	\$1
4	2023	\$1
5	2024	\$1
6	2025	\$1
7	2026	\$1
8	2027	\$1
9	2028	\$1
10	2029	\$1
11	2030	\$1
12	2031	\$1
13	2032	\$1
14	2033	\$1
15	2034	\$1
16	2035	\$2
17	2036	\$2
18	2037	\$2
19	2038	\$2
20	2039	\$2
21	2040	\$2

Inflation Adjustment⁵

	Annual CPI	Inflation
2009	130.715	
2010	133.689	0.02
2011	138.078	0.03
2012	140.957	0.02
2013	142.716	0.01
2014	145.087	0.02
2015	144.24	-0.01
2016	145.227	0.01
2017	147.308	0.01
2018	149.721	0.02

Average total cost per mile of operating a vehicle⁶

	2018\$	2019\$	2020\$
	0.59	0.60	0.61

Source:¹Benefit-Cost Analysis Guidance for

December 2018 - short ton values converted to metric ton

²U.S. Census Bureau - 2013-2017 American Community Survey 5-year estimates - Commuting Characteristics by Sex - Ellis County³Kansas Department of Transportation⁴U.S. Department of Transportation - New and Small Starts Evaluation and Rating Process Final Policy Guidance, August 2013 - Grams per VMT 20-year horizon estimates⁵Bureau of Labor Statistics - Consumer Price Index - All Urban Consumers All Items, Midwest - Size Class B/C⁶U.S. Department of Transportation (<https://www.bts.gov/content/average-cost-owning-and-operating-automobile>)

Project Year	Analysis Year	Daily Regional VHT		Yearly Regional VHT		Annual User Benefits for saved VHT hours per year		Time Savings in Hours per year	Monetized Time Savings	Daily Regional VMT		Decrease in annual VMT
		Baseline	With Improvements	Baseline	With Improvements	Baseline	With Improvements			Baseline	With Improvements	
1	2020	232	221	58,928	56,134	61,285	58,379	2,906	\$49,120	6,302	6,261	10,363
2	2021	251	228	63,652	57,861	66,198	60,176	6,023	\$103,479	6,440	6,412	7,056
3	2022	269	235	68,377	59,588	71,112	61,972	9,140	\$159,607	6,577	6,563	3,749
4	2023	288	241	73,101	61,316	76,025	63,768	12,257	\$217,545	6,715	6,714	442
5	2024	306	248	77,826	63,043	80,939	65,565	15,374	\$277,339	6,853	6,864	(2,865)
6	2025	325	255	82,550	64,770	85,852	67,361	18,491	\$339,033	6,991	7,015	(6,172)
7	2026	344	262	87,274	66,497	90,765	69,157	21,608	\$402,674	7,129	7,166	(9,479)
8	2027	362	269	91,999	68,224	95,679	70,953	24,725	\$468,309	7,266	7,317	(12,786)
9	2028	381	275	96,723	69,952	100,592	72,750	27,842	\$535,986	7,404	7,468	(16,093)
10	2029	399	282	101,448	71,679	105,506	74,546	30,960	\$605,755	7,542	7,618	(19,401)
11	2030	418	289	106,172	73,406	110,419	76,342	34,077	\$677,666	7,680	7,769	(22,708)
12	2031	437	296	110,896	75,133	115,332	78,139	37,194	\$751,770	7,817	7,920	(26,015)
13	2032	455	303	115,621	76,860	120,246	79,935	40,311	\$828,120	7,955	8,071	(29,322)
14	2033	474	309	120,345	78,588	125,159	81,731	43,428	\$906,770	8,093	8,222	(32,629)
15	2034	492	316	125,070	80,315	130,072	83,527	46,545	\$987,774	8,231	8,372	(35,936)
16	2035	511	323	129,794	82,042	134,986	85,324	49,662	\$1,071,188	8,369	8,523	(39,243)
17	2036	530	330	134,518	83,769	139,899	87,120	52,779	\$1,157,070	8,506	8,674	(42,550)
18	2037	548	337	139,243	85,496	144,813	88,916	55,896	\$1,245,479	8,644	8,825	(45,857)
19	2038	567	343	143,967	87,224	149,726	90,713	59,013	\$1,336,473	8,782	8,976	(49,164)
20	2039	585	350	148,692	88,951	154,639	92,509	62,130	\$1,430,114	8,920	9,126	(52,471)
21	2040	604	357	153,416	90,678	159,553	94,305	65,248	\$1,526,465	9,057	9,277	(55,804)

Project Year	Analysis Year	Daily Regional VMT		Yearly Regional VMT		Decrease in Annual VMT (in millions)	Number of Prevented Accidents by Severity per million miles traveled					Monetized Prevented Accidents by Severity					TOTAL
		Baseline	With Improvements	Baseline	With Improvements		Fatal (K)	Disabling (A)	Minor (B)	Possible (C)	PDO (O)	Fatal (K)	Disabling (A)	Minor (B)	Possible (C)	PDO (O)	
1	2020	6,302	6,261	1,600,683	1,590,319	0.01	0.00	0.00	0.00	0.00	0.02	\$1,274	\$104	\$173	\$128	\$114	\$1,793
2	2021	6,440	6,412	1,635,679	1,628,623	0.01	0.00	0.00	0.00	0.00	0.01	\$867	\$71	\$118	\$87	\$78	\$1,221
3	2022	6,577	6,563	1,670,675	1,666,926	0.00	0.00	0.00	0.00	0.00	0.01	\$461	\$38	\$62	\$46	\$41	\$649
4	2023	6,715	6,714	1,705,671	1,705,229	0.00	0.00	0.00	0.00	0.00	0.00	\$54	\$4	\$7	\$5	\$5	\$76
5	2024	6,853	6,864	1,740,667	1,743,532	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	-\$352	-\$29	-\$48	-\$35	-\$32	-\$496
6	2025	6,991	7,015	1,775,663	1,781,835	(0.01)	(0.00)	(0.00)	(0.00)	(0.00)	(0.01)	-\$759	-\$62	-\$103	-\$76	-\$68	-\$1,068
7	2026	7,129	7,166	1,810,659	1,820,139	(0.01)	(0.00)	(0.00)	(0.00)	(0.00)	(0.01)	-\$1,165	-\$95	-\$158	-\$117	-\$105	-\$1,640
8	2027	7,266	7,317	1,845,655	1,858,442	(0.01)	(0.00)	(0.00)	(0.00)	(0.00)	(0.02)	-\$1,572	-\$128	-\$213	-\$158	-\$141	-\$2,212
9	2028	7,404	7,468	1,880,652	1,896,745	(0.02)	(0.00)	(0.00)	(0.00)	(0.00)	(0.02)	-\$1,979	-\$161	-\$268	-\$198	-\$178	-\$2,784
10	2029	7,542	7,618	1,915,648	1,935,048	(0.02)	(0.00)	(0.00)	(0.00)	(0.00)	(0.03)	-\$2,385	-\$194	-\$323	-\$239	-\$214	-\$3,356
11	2030	7,680	7,769	1,950,644	1,973,351	(0.02)	(0.00)	(0.00)	(0.00)	(0.00)	(0.03)	-\$2,792	-\$227	-\$378	-\$280	-\$251	-\$3,928
12	2031	7,817	7,920	1,985,640	2,011,655	(0.03)	(0.00)	(0.00)	(0.00)	(0.01)	(0.04)	-\$3,198	-\$260	-\$434	-\$321	-\$287	-\$4,500
13	2032	7,955	8,071	2,020,636	2,049,958	(0.03)	(0.00)	(0.00)	(0.00)	(0.01)	(0.04)	-\$3,605	-\$294	-\$489	-\$362	-\$323	-\$5,072
14	2033	8,093	8,222	2,055,632	2,088,261	(0.03)	(0.00)	(0.00)	(0.01)	(0.01)	(0.05)	-\$4,011	-\$327	-\$544	-\$402	-\$360	-\$5,644
15	2034	8,231	8,372	2,090,628	2,126,564	(0.04)	(0.00)	(0.00)	(0.01)	(0.01)	(0.05)	-\$4,418	-\$360	-\$599	-\$443	-\$396	-\$6,216
16	2035	8,369	8,523	2,125,624	2,164,867	(0.04)	(0.00)	(0.00)	(0.01)	(0.01)	(0.06)	-\$4,825	-\$393	-\$654	-\$484	-\$433	-\$6,788
17	2036	8,506	8,674	2,160,621	2,203,171	(0.04)	(0.00)	(0.00)	(0.01)	(0.01)	(0.06)	-\$5,231	-\$426	-\$709	-\$525	-\$469	-\$7,360
18	2037	8,644	8,825	2,195,617	2,241,474	(0.05)	(0.00)	(0.00)	(0.01)	(0.01)	(0.07)	-\$5,638	-\$459	-\$764	-\$565	-\$506	-\$7,932
19	2038	8,782	8,976	2,230,613	2,279,777	(0.05)	(0.00)	(0.00)	(0.01)	(0.01)	(0.07)	-\$6,044	-\$492	-\$819	-\$606	-\$542	-\$8,505
20	2039	8,920	9,126	2,265,609	2,318,080	(0.05)	(0.00)	(0.00)	(0.01)	(0.01)	(0.08)	-\$6,451	-\$525	-\$875	-\$647	-\$579	-\$9,077
21	2040	9,057	9,277	2,300,580	2,356,383	(0.06)	(0.00)	(0.00)	(0.01)	(0.01)	(0.08)	-\$6,861	-\$559	-\$930	-\$688	-\$616	-\$9,653

		Maintenance and Operating Costs Roadways		
Project Year	Analysis Year	Baseline	With Improvements	Maintenance Savings
1	2020	\$58,790	\$0	\$58,790
2	2021	\$58,790	\$0	\$58,790
3	2022	\$121,790	\$0	\$121,790
4	2023	\$64,790	\$0	\$64,790
5	2024	\$64,790	\$15,000	\$49,790
6	2025	\$67,790	\$0	\$67,790
7	2026	\$67,790	\$0	\$67,790
8	2027	\$67,790	\$30,000	\$37,790
9	2028	\$67,790	\$0	\$67,790
10	2029	\$124,790	\$0	\$124,790
11	2030	\$69,790	\$0	\$69,790
12	2031	\$69,790	\$0	\$69,790
13	2032	\$69,790	\$15,000	\$54,790
14	2033	\$71,790	\$0	\$71,790
15	2034	\$71,790	\$0	\$71,790
16	2035	\$71,790	\$0	\$71,790
17	2036	\$74,790	\$0	\$74,790
18	2037	\$74,790	\$0	\$74,790
19	2038	\$134,790	\$0	\$134,790
20	2039	\$74,790	\$130,000	-\$55,210
21	2040	\$34,790	\$0	\$34,790

Project Year	Analysis Year	Daily Regional VMT		Yearly Regional VMT		Decrease in Annual VMT	Decrease in Emissions (grams)				Decrease in Emissions (metric tons)				Monetized Decrease in Emissions				
		Baseline	With Improvements	Baseline	With Improvements		Nox	VOC	PM2.5	CO2	Nox	VOC	PM2.5	CO2	Nox	VOC	PM2.5	CO2	
1	2020	6,302	6,261	1,600,683	1,590,319	10,363	2,072.64	2,176	104	4,114,190.40	0.00	0.00	0.00	4.11	19.26	4.87	43.83	4.11	
2	2021	6,440	6,412	1,635,679	1,628,623	7,056	1,411.22	1,482	71	2,801,279.64	0.00	0.00	0.00	2.80	13.11	3.32	29.84	2.80	
3	2022	6,577	6,563	1,670,675	1,666,926	3,749	749.81	787	37	1,488,368.88	0.00	0.00	0.00	1.49	6.97	1.76	15.86	1.49	
4	2023	6,715	6,714	1,705,671	1,705,229	442	1,705.671	88.39	93	4	175,458.12	0.00	0.00	0.00	0.18	0.82	0.21	1.87	0.18
5	2024	6,853	6,864	1,740,667	1,743,532	(2,865)	(573.02)	(602)	(29)	(1,137,452.64)	(0.00)	(0.00)	(0.00)	(1.14)	(5.32)	(1.35)	(12.12)	(1.14)	
6	2025	6,991	7,015	1,775,663	1,781,835	(6,172)	(1,234.44)	(1,296)	(62)	(2,450,363.40)	(0.00)	(0.00)	(0.00)	(2.45)	(11.47)	(2.90)	(26.11)	(2.45)	
7	2026	7,129	7,166	1,810,659	1,820,139	(9,479)	(1,895.86)	(1,991)	(95)	(3,763,274.16)	(0.00)	(0.00)	(0.00)	(3.76)	(17.62)	(4.46)	(40.09)	(3.76)	
8	2027	7,266	7,317	1,845,655	1,858,442	(12,786)	(2,557.27)	(2,685)	(128)	(5,076,184.92)	(0.00)	(0.00)	(0.00)	(5.08)	(23.76)	(6.01)	(54.08)	(5.08)	
9	2028	7,404	7,468	1,880,652	1,896,745	(16,093)	(3,218.69)	(3,380)	(161)	(6,389,095.68)	(0.00)	(0.00)	(0.00)	(6.39)	(29.91)	(7.57)	(68.07)	(6.39)	
10	2029	7,542	7,618	1,915,648	1,935,048	(19,401)	(3,880.10)	(4,074)	(194)	(7,702,006.44)	(0.00)	(0.00)	(0.00)	(7.70)	(36.05)	(9.12)	(82.06)	(7.70)	
11	2030	7,680	7,769	1,950,644	1,973,351	(22,708)	(4,541.52)	(4,769)	(227)	(9,014,917.20)	(0.00)	(0.00)	(0.00)	(9.01)	(42.20)	(10.68)	(96.04)	(9.01)	
12	2031	7,817	7,920	1,985,640	2,011,655	(26,015)	(5,202.94)	(5,463)	(260)	(10,327,827.96)	(0.01)	(0.01)	(0.00)	(10.33)	(48.35)	(12.23)	(110.03)	(10.33)	
13	2032	7,955	8,071	2,020,636	2,049,958	(29,322)	(5,864.35)	(6,158)	(293)	(11,640,738.72)	(0.01)	(0.01)	(0.00)	(11.64)	(54.49)	(13.79)	(124.02)	(11.64)	
14	2033	8,093	8,222	2,055,632	2,088,261	(32,629)	(6,525.77)	(6,852)	(326)	(12,953,649.48)	(0.01)	(0.01)	(0.00)	(12.95)	(60.64)	(15.34)	(138.01)	(12.95)	
15	2034	8,231	8,372	2,090,628	2,126,564	(35,936)	(7,187.18)	(7,547)	(359)	(14,266,560.24)	(0.01)	(0.01)	(0.00)	(14.27)	(66.78)	(16.90)	(152.00)	(14.27)	
16	2035	8,369	8,523	2,125,624	2,164,867	(39,243)	(7,848.60)	(8,241)	(392)	(15,579,471.00)	(0.01)	(0.01)	(0.00)	(15.58)	(72.93)	(18.45)	(165.98)	(15.58)	
17	2036	8,506	8,674	2,160,621	2,203,171	(42,550)	(8,510.02)	(8,936)	(426)	(16,892,381.76)	(0.01)	(0.01)	(0.00)	(16.89)	(79.08)	(20.01)	(179.97)	(16.89)	
18	2037	8,644	8,825	2,195,617	2,241,474	(45,857)	(9,171.43)	(9,630)	(459)	(18,205,292.52)	(0.01)	(0.01)	(0.00)	(18.21)	(85.22)	(21.56)	(193.96)	(18.21)	
19	2038	8,782	8,976	2,230,613	2,279,777	(49,164)	(9,832.85)	(10,324)	(492)	(19,518,203.28)	(0.01)	(0.01)	(0.00)	(19.52)	(91.37)	(23.12)	(207.95)	(19.52)	
20	2039	8,920	9,126	2,265,609	2,318,080	(52,471)	(10,494.26)	(11,019)	(525)	(20,831,114.04)	(0.01)	(0.01)	(0.00)	(20.83)	(97.51)	(24.67)	(221.93)	(20.83)	
21	2040	9,057	9,277	2,300,580	2,356,383	(55,804)	(11,160.76)	(11,719)	(558)	(22,154,108.60)	(0.01)	(0.01)	(0.00)	(22.15)	(103.71)	(26.24)	(236.03)	(22.15)	