

Travel Time Savings					
Minutes Saved/ day	Number of Vehicles	Occupancy Rate	Value/hour: realized at year 3	Number of Days	Annualized Value
4	586	1.68	\$17.59	260	\$300,415.88
4	4170	1.68	\$17.59	150	\$1,232,488.53
4	2200	1.68	\$17.59	260	\$1,127,071.85
					\$2,659,976.26

1466	# of Louisiana Tech faculty
10425	# of comuter students
2200	assumed local traffic

Vehicle Operating Costs Savings					
Miles saved/ day	Number of Vehicles	Value/mile: realized at year 3	Number of days		Annualized Value
5	147	\$0.43	260		\$81,218.25
5	1042.5	\$0.43	150		\$333,206.61
5	1000	\$0.43	260		\$554,012.59
					\$968,437.44

Annual Economic Competitiveness savings	\$3,628,413.70
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Annual Safety Savings	\$1,936,701.25
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Value of Injuries					
Average Accidents/ year	Monotized Value at year 3				Annualized Value
26	\$31,470.54				\$818,233.98
2	\$493,038.42				\$986,076.84
					\$1,804,310.82

Net Annual Savings	\$5,565,114.96
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Value of Property Damage					
Average Accidents/ year	Monotized Value at year 3				Annualized Value
28	\$4,728.23				\$132,390.43

Present Value of Cost Savings: Value/hour	\$16.10
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Present Value of Cost Savings: Value/Mile	\$0.39
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Assumed inflation rate	3.00%
Discount Rate	7%

Minor	\$28,800
Moderate	\$451,200

Present Value of Cost Savings: Value of Reduced Injuries	\$28,800
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Present Value of Cost Savings: Value of Property Damage	\$4,327
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	Engineering	Construction	CE&I	Totals
North monroe	\$701,500	\$5,000,000	\$450,000	\$6,151,500
Downtown Monroe St	\$88,000	\$1,100,000	\$90,000	\$1,278,000
S. Monroe/ tex/la	\$601,488	\$5,300,000	\$420,000	\$6,321,488
Dan Reneau Dr	\$140,000	\$1,750,000	\$150,000	\$2,040,000
Homer St	\$130,000	\$1,820,000	\$195,000	\$2,145,000
W. Mississippi Ave	\$125,000	\$1,500,000	\$130,000	\$1,755,000
LaTech RR Path	\$352,744	\$3,584,412	\$0	\$3,937,156
	\$2,138,732	\$20,054,412	\$1,435,000	\$23,628,144

Year	Project Year	Value of Savings Economic Competitiveness	Economic Competitiveness Savings Discounted at 7%	Value of Savings Safety	Safety Savings Discounted at 7%	Construction Costs	discounted construction costs
2020	0					\$7,401,273.80	\$6,917,078.32
2021	1					\$12,455,971.40	\$11,641,094.77
2022	2					\$3,770,898.80	\$3,293,649.05
2023	3	\$3,628,413.70	\$2,961,866.40	\$1,936,701.25	\$1,580,925.12	\$50,000.00	\$40,814.89
2024	4	\$3,737,266.11	\$2,851,142.42	\$1,994,802.29	\$1,521,825.12	\$51,500.00	\$39,289.10
2025	5	\$3,849,384.09	\$2,744,557.66	\$2,054,646.36	\$1,464,934.46	\$53,045.00	\$37,820.35
2026	6	\$3,964,865.62	\$2,641,957.37	\$2,116,285.75	\$1,410,170.55	\$54,636.35	\$36,406.51
2027	7	\$4,083,811.59	\$2,543,192.61	\$2,179,774.32	\$1,357,453.90	\$56,275.44	\$35,045.52
2028	8	\$4,206,325.93	\$2,448,119.99	\$2,245,167.55	\$1,306,707.96	\$57,963.70	\$33,735.40
2029	9	\$4,332,515.71	\$2,356,601.49	\$2,312,522.58	\$1,257,859.06	\$59,702.61	\$32,474.27
2030	10	\$4,462,491.18	\$2,268,504.23	\$2,381,898.26	\$1,210,836.29	\$61,493.69	\$285,434.92
2031	11	\$4,596,365.92	\$2,183,700.34	\$2,453,355.21	\$1,165,571.39	\$69,211.69	\$32,881.98
2032	12	\$4,734,256.90	\$2,102,066.68	\$2,526,955.86	\$1,121,998.62	\$71,288.04	\$31,652.74
2033	13	\$4,876,284.60	\$2,023,484.75	\$2,602,764.54	\$1,080,054.75	\$73,426.69	\$30,469.46
2034	14	\$5,022,573.14	\$1,947,840.46	\$2,680,847.47	\$1,039,678.87	\$75,629.49	\$29,330.42
2035	15	\$5,173,250.34	\$1,875,023.99	\$2,761,272.90	\$1,000,812.37	\$77,898.37	\$28,233.95
2036	16	\$5,328,447.85	\$1,804,929.64	\$2,844,111.09	\$963,398.82	\$80,235.32	\$27,178.48
2037	17	\$5,488,301.28	\$1,737,455.63	\$2,929,494.42	\$927,383.92	\$82,642.38	\$26,162.46
2038	18	\$5,652,950.32	\$1,672,504.02	\$3,017,317.45	\$892,715.36	\$85,121.65	\$25,184.43
2039	19	\$5,822,538.83	\$1,609,980.51	\$3,107,836.97	\$859,342.82	\$87,675.30	\$24,242.95
2040	20	\$5,997,214.99	\$1,549,794.32	\$3,201,072.08	\$827,217.86	\$90,305.56	\$23,246.17
2041	21	\$6,177,131.44	\$1,491,858.08	\$3,297,104.25	\$796,293.82	\$93,014.73	\$22,264.27
2042	22	\$6,362,445.39	\$1,436,087.69	\$3,396,017.37	\$766,525.83	\$95,805.17	\$21,264.49
2043	23	\$6,553,318.75	\$1,382,402.17	\$3,497,897.89	\$737,870.66	\$98,679.33	\$20,816.10
2044	24	\$6,749,918.31	\$1,330,723.58	\$3,602,834.83	\$710,286.71	\$101,639.71	\$20,037.92
2045	25	\$6,952,415.86	\$1,280,976.90	\$3,710,919.88	\$683,733.94	\$104,688.90	\$19,288.84
2046	26	\$7,160,988.34	\$1,233,089.92	\$3,822,247.47	\$658,173.79	\$107,829.56	\$18,567.76
2047	27	\$7,375,817.99	\$1,186,993.10	\$3,936,914.90	\$633,569.16	\$111,064.45	\$17,873.64
2048	28	\$7,597,092.53	\$1,142,619.52	\$4,055,022.34	\$609,884.33	\$114,396.38	\$17,205.47
2049	29	\$7,825,005.30	\$1,099,904.78	\$4,176,671.01	\$587,084.92	\$117,828.28	\$16,562.27
2050	30	\$8,059,755.46	\$1,058,786.84	\$4,301,973.20	\$565,137.82	\$121,263.12	\$15,943.12
		\$155,771,147.47	\$51,966,165.08	\$83,144,371.52	\$27,737,448.21	\$26,932,504.93	\$22,991,110.05

Total Net Benefit	Total Benefit-Cost Ratio	Discounted Net Benefit	Discounted Benefit-Cost Ratio
\$238,915,518.99	\$238,915,518.99	\$79,703,613.30	\$79,703,613.30
\$26,932,504.93	\$26,932,504.93	\$22,991,110.05	\$22,991,110.05
\$211,983,014.07	8.870898553	\$56,712,503.24	3.47

BUILD Grant Crash Data

Year	Road	# of accidents
Project Area		
2014	S. Monroe St.	18
2014	W. Louisiana Ave	9
2014	N. Monroe St.	21
2014	W. Mississippi Ave.	7
2014	W. Texas Ave	1
2014	Dan Reneau Dr.	16
2014	TOTALS	72
Arterial Routes Surrounding Project Area		
2014	S. Trenton St.	30
2014	N. Trenton St.	122
2014	W. Alabama Ave.	34
2014	W. California Ave.	56
2014	TOTALS	242

Year	Road
Project Area	
2015	S. Monroe St.
2015	W. Louisiana Ave
2015	N. Monroe St.
2015	W. Mississippi Ave.
2015	W. Texas Ave
2015	Dan Reneau Dr.
2015	TOTALS
Arterial Routes Surrounding P	
2015	S. Trenton St.
2015	N. Trenton St.
2015	W. Alabama Ave.
2015	W. California Ave.
2015	TOTALS

88
0.363636

Year	Road	# of accidents
Project Area		
2019	S. Monroe St.	11
2019	W. Louisiana Ave	3
2019	N. Monroe St.	5
2019	W. Mississippi Ave.	7
2019	W. Texas Ave	2
2019	Dan Reneau Dr.	2
2019	TOTALS	30
Arterial Routes Surrounding Project Area		
2019	S. Trenton St.	19
2019	N. Trenton St.	75
2019	W. Alabama Ave.	17
2019	W. California Ave.	39
2019	TOTALS	150

of accidents
19
1
12
10
4
13
59
Project Area
38
142
44
76
300

Year	Road	# of accidents
Project Area		
2016	S. Monroe St.	30
2016	W. Louisiana Ave	4
2016	N. Monroe St.	15
2016	W. Mississippi Ave.	11
2016	W. Texas Ave	4
2016	Dan Reneau Dr.	12
2016	TOTALS	76
Arterial Routes Surrounding Project Area		
2016	S. Trenton St.	40
2016	N. Trenton St.	133
2016	W. Alabama Ave.	47
2016	W. California Ave.	99
2016	TOTALS	319

Year
2017
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Road	# of accidents
Project Area	
S. Monroe St.	26
W. Louisiana Ave	7
N. Monroe St.	13
W. Mississippi Ave.	7
W. Texas Ave	5
Dan Reneau Dr.	11
TOTALS	69
Arterial Routes Surrounding Project Area	
S. Trenton St.	46
N. Trenton St.	120
W. Alabama Ave.	44
W. California Ave.	116
TOTALS	326

Year	Road	# of accidents
Project Area		
2018	S. Monroe St.	27
2018	W. Louisiana Ave	4
2018	N. Monroe St.	17
2018	W. Mississippi Ave.	9
2018	W. Texas Ave	6
2018	Dan Reneau Dr.	8
2018	TOTALS	71
Arterial Routes Surrounding Project Area		
2018	S. Trenton St.	45
2018	N. Trenton St.	134
2018	W. Alabama Ave.	54
2018	W. California Ave.	97
2018	TOTALS	330

TOTALS	ANNUAL AVG	
93	23.25	
21	5.25	
61	15.25	
35	8.75	
14	3.5	
52	13	20% Reduction
347	69.4	14
154	38.5	
517	129.25	
169	42.25	
347	86.75	5% Reduction
1517	303.4	15