

Project Costs

Engineering Fees	\$2,368,266 (2020\$)
R.O.W.	\$3,495,906 (2020\$)
Environmental Permit Fees	\$468,768 (2020\$)
Construction	\$11,284,067 (2020\$)
Sum	\$17,617,007 (2020\$)

4-Lane Urban Road total length 3.500 miles

4-Lane Urban Road; Routine Maintenance Costs/mi	\$58,500.00 (2003\$)
2003 CPI =	184.000
2019 CPI =	255.657
4-Lane Urban Road; Routine Maintenance Costs/mi	\$81,282.25 (2019\$)
Assumed Inflation / year	2.5%

Timeline

Start prelim engineering and NEPA	9/15/2020
Complete prelim engineering and NEPA	6/4/2021
Start Final PS&E and ROW Acquisition	6/4/2021
Complete Engineering Design	9/30/2022
Complete ROW Acquisition	8/26/2022
Construction Notice to Proceed	5/7/2024
Construction Closeout	2/2/2026

<u>Overall Design Engineering Timeline</u>	745
Portion of Engineering Fees in 2020	14.36% 12/31/2020
Portion of Engineering Fees in 2021	48.99% 12/31/2021
Portion of Engineering Fees in 2022	36.64% 12/31/2022

<u>Overall ROW Timeline</u>	448
Portion of ROW in 2021	46.88% 12/31/2021
Portion of ROW in 2022	53.13% 238

<u>Overall Construction Timeline</u>	636
Portion of Construction in 2024	37.42% 12/31/2024

Portion of Construction in 2025
Portion of Construction in 2026

57.39%
5.19%

#	Year	Engineering Fees	R.O.W Acquisition	Environmental Permitting Costs	Construction Costs
0	2020	\$ 348,643.72	\$ -	\$ -	\$ -
1	2021	\$ 1,219,031.15	\$ 1,721,665.43	\$ 492,499.38	\$ -
2	2022	\$ 934,562.71	\$ 2,000,001.34	\$ -	\$ -
3	2023	\$ -	\$ -	\$ -	\$ -
4	2024	\$ -	\$ -	\$ -	\$ 4,777,545.42
5	2025	\$ -	\$ -	\$ -	\$ 7,510,080.59
6	2026	\$ -	\$ -	\$ -	\$ 695,968.43
7	2027	\$ -	\$ -	\$ -	\$ -
8	2028	\$ -	\$ -	\$ -	\$ -
9	2029	\$ -	\$ -	\$ -	\$ -
10	2030	\$ -	\$ -	\$ -	\$ -
11	2031	\$ -	\$ -	\$ -	\$ -
12	2032	\$ -	\$ -	\$ -	\$ -
13	2033	\$ -	\$ -	\$ -	\$ -
14	2034	\$ -	\$ -	\$ -	\$ -
15	2035	\$ -	\$ -	\$ -	\$ -
16	2036	\$ -	\$ -	\$ -	\$ -
17	2037	\$ -	\$ -	\$ -	\$ -
18	2038	\$ -	\$ -	\$ -	\$ -
19	2039	\$ -	\$ -	\$ -	\$ -
20	2040	\$ -	\$ -	\$ -	\$ -
21	2041	\$ -	\$ -	\$ -	\$ -
22	2042	\$ -	\$ -	\$ -	\$ -
23	2043	\$ -	\$ -	\$ -	\$ -
24	2044	\$ -	\$ -	\$ -	\$ -
25	2045	\$ -	\$ -	\$ -	\$ -
26	2046	\$ -	\$ -	\$ -	\$ -

\$ 2,502,237.59 \$ 3,721,666.76 \$ 492,499.38 \$ 12,983,594.43

*2 years was added to inflation per year to get from 2018\$ to 2020\$ (year 0)

\$ 3,120,000.00	11.0%	11
\$ 4,350,000.00	15.4%	15.4
\$ 530,000.00	1.9%	1.9
\$ 20,250,000.00	71.7%	71.7
\$ 28,250,000.00	100.0%	

O & M - 4 lane section	Total Costs Per Year	Discounted at 7%
\$ -	\$ 348,644	\$ 348,644
\$ -	\$ 3,433,196	\$ 3,208,594
\$ -	\$ 2,934,564	\$ 2,563,162
\$ -	\$ -	\$ -
\$ -	\$ 4,777,545	\$ 3,644,767
\$ -	\$ 7,510,081	\$ 5,354,584
\$ -	\$ 695,968	\$ 463,753
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ 373,272.76	\$ 373,273	\$ 203,036
\$ 382,604.58	\$ 382,605	\$ 194,497
\$ 392,169.69	\$ 392,170	\$ 186,317
\$ 401,973.93	\$ 401,974	\$ 178,481
\$ 412,023.28	\$ 412,023	\$ 170,975
\$ 422,323.86	\$ 422,324	\$ 163,784
\$ 432,881.96	\$ 432,882	\$ 156,896
\$ 443,704.01	\$ 443,704	\$ 150,298
\$ 454,796.61	\$ 454,797	\$ 143,977
\$ 466,166.52	\$ 466,167	\$ 137,922
\$ 477,820.69	\$ 477,821	\$ 132,121
\$ 489,766.20	\$ 489,766	\$ 126,565
\$ 502,010.36	\$ 502,010	\$ 121,242
\$ 514,560.62	\$ 514,561	\$ 116,143
\$ 527,424.63	\$ 527,425	\$ 111,259
\$ 540,610.25	\$ 540,610	\$ 106,579
\$ 554,125.51	\$ 554,126	\$ 102,097
\$ 567,978.64	\$ 567,979	\$ 97,803
	\$ 28,056,212	\$ 18,183,497

2 year buffer for maintenance