

ANEXO 5. COSTOS DE VIAJE ESCENARIO SIN PROYECTO

	TPD			COSTO DE VIAJE DIARIO			COSTO DE VIAJE TOTAL ANUAL		
	AUTOS	BUSES	CAMIONES	AUTOS	BUSES	CAMIONES	AUTOS	BUSES	CAMIONES
2014	14765	3098	1473	\$ 620.146.385	\$130.115.067	\$ 70.686.400	\$226.353.430.593	\$ 47.491.999.333	\$25.800.536.000
2015	15100	3266	1519	\$ 634.188.567	\$137.168.267	\$ 72.889.600	\$231.478.826.833	\$ 50.066.417.333	\$26.604.704.000
2016	15434	3434	1564	\$ 648.230.748	\$144.221.467	\$ 75.092.800	\$236.604.223.074	\$ 52.640.835.333	\$27.408.872.000
2017	15768	3602	1610	\$ 662.272.930	\$151.274.667	\$ 77.296.000	\$241.729.619.315	\$ 55.215.253.333	\$28.213.040.000
2018	16103	3770	1656	\$ 676.315.111	\$158.327.867	\$ 79.499.200	\$246.855.015.556	\$ 57.789.671.333	\$29.017.208.000
2019	16437	3938	1702	\$ 690.357.293	\$165.381.067	\$ 81.702.400	\$251.980.411.796	\$ 60.364.089.333	\$29.821.376.000
2020	16771	4106	1748	\$ 704.399.474	\$172.434.267	\$ 83.905.600	\$257.105.808.037	\$ 62.938.507.333	\$30.625.544.000
2021	17106	4274	1794	\$ 718.441.656	\$179.487.467	\$ 86.108.800	\$262.231.204.278	\$ 65.512.925.333	\$31.429.712.000
2022	17440	4441	1840	\$ 732.483.837	\$186.540.667	\$ 88.312.000	\$267.356.600.519	\$ 68.087.343.333	\$32.233.880.000
2023	17774	4609	1886	\$ 746.526.019	\$193.593.867	\$ 90.515.200	\$272.481.996.759	\$ 70.661.761.333	\$33.038.048.000
2024	18109	4777	1932	\$ 760.568.200	\$200.647.067	\$ 92.718.400	\$277.607.393.000	\$ 73.236.179.333	\$33.842.216.000
2025	18443	4945	1978	\$ 774.610.381	\$207.700.267	\$ 94.921.600	\$282.732.789.241	\$ 75.810.597.333	\$34.646.384.000
2026	18777	5113	2023	\$ 788.652.563	\$214.753.467	\$ 97.124.800	\$287.858.185.481	\$ 78.385.015.333	\$35.450.552.000
2027	19112	5281	2069	\$ 802.694.744	\$221.806.667	\$ 99.328.000	\$292.983.581.722	\$ 80.959.433.333	\$36.254.720.000
2028	19446	5449	2115	\$ 816.736.926	\$228.859.867	\$101.531.200	\$298.108.977.963	\$ 83.533.851.333	\$37.058.888.000
2029	19780	5617	2161	\$ 830.779.107	\$235.913.067	\$103.734.400	\$303.234.374.204	\$ 86.108.269.333	\$37.863.056.000
2030	20115	5785	2207	\$ 844.821.289	\$242.966.267	\$105.937.600	\$308.359.770.444	\$ 88.682.687.333	\$38.667.224.000
2031	20449	5953	2253	\$ 858.863.470	\$250.019.467	\$108.140.800	\$313.485.166.685	\$ 91.257.105.333	\$39.471.392.000
2032	20783	6121	2299	\$ 872.905.652	\$257.072.667	\$110.344.000	\$318.610.562.926	\$ 93.831.523.333	\$40.275.560.000
2033	21118	6289	2345	\$ 886.947.833	\$264.125.867	\$112.547.200	\$323.735.959.167	\$ 96.405.941.333	\$41.079.728.000
2034	21452	6457	2391	\$ 900.990.015	\$271.179.067	\$114.750.400	\$328.861.355.407	\$ 98.980.359.333	\$41.883.896.000
2035	21786	6625	2437	\$ 915.032.196	\$278.232.267	\$116.953.600	\$333.986.751.648	\$101.554.777.333	\$42.688.064.000
2036	22121	6793	2482	\$ 929.074.378	\$285.285.467	\$119.156.800	\$339.112.147.889	\$104.129.195.333	\$43.492.232.000
2037	22455	6960	2528	\$ 943.116.559	\$292.338.667	\$121.360.000	\$344.237.544.130	\$106.703.613.333	\$44.296.400.000
2038	22789	7128	2574	\$ 957.158.741	\$299.391.867	\$123.563.200	\$349.362.940.370	\$109.278.031.333	\$45.100.568.000
2039	23124	7296	2620	\$ 971.200.922	\$306.445.067	\$125.766.400	\$354.488.336.611	\$111.852.449.333	\$45.904.736.000
2040	23458	7464	2666	\$ 985.243.104	\$313.498.267	\$127.969.600	\$359.613.732.852	\$114.426.867.333	\$46.708.904.000

Costos de viaje anual situación sin proyecto. Fuente Elaboración propia

ANEXO 5. COSTOS DE VIAJE CON PROYECTO

	COSTO DE VIAJE TRÁFICO NORMAL (Desviado)			COSTO DE VIAJE TRÁFICO GENERADO			COSTO DE VIAJE TRÁFICO NORMAL (Pasa por la ciudad)			COSTO DE VIAJE TOTAL ANUAL TRÁFICO NORMAL (Desviado)			COSTO DE VIAJE TOTAL ANUAL TRÁFICO GENERADO			COSTO DE VIAJE TOTAL TRÁFICO NORMAL (Pasa por la ciudad)		
	AUTOS	BUSES	CAMIONES	AUTOS	BUSES	CAMIONES	AUTOS	BUSES	CAMIONES	AUTOS	BUSES	CAMIONES	AUTOS	BUSES	CAMIONES	AUTOS	BUSES	CAMIONES
2014																		
2015																		
2016	\$ 416.719.766,67	\$ 92.713.800,00	\$ 27.455.805,00	\$ 13.890.658,89	\$ 3.090.460,00	\$ 915.193,50	\$ 64.823.075	\$ 14.422.147	\$ 6.570.620	\$ 152.102.714.833	\$ 33.840.537.000	\$ 10.021.368.825	\$ 5.070.090.494	\$ 1.128.017.900	\$ 334.045.628	\$ 23.660.422.307	\$ 5.264.083.533	\$ 2.398.276.300
2017	\$ 425.746.883,33	\$ 97.248.000,00	\$ 28.261.350,00	\$ 14.191.562,78	\$ 3.241.600,00	\$ 942.045,00	\$ 66.227.293	\$ 15.127.467	\$ 6.763.400	\$ 155.397.612.417	\$ 35.495.520.000	\$ 10.315.392.750	\$ 5.179.920.414	\$ 1.183.184.000	\$ 343.846.425	\$ 24.172.961.931	\$ 5.521.525.333	\$ 2.468.641.000
2018	\$ 434.774.000,00	\$ 101.782.200,00	\$ 29.066.895,00	\$ 14.492.466,67	\$ 3.392.740,00	\$ 968.896,50	\$ 67.631.511	\$ 15.832.787	\$ 6.956.180	\$ 158.692.510.000	\$ 37.150.503.000	\$ 10.609.416.675	\$ 5.289.750.333	\$ 1.238.350.100	\$ 353.647.222	\$ 24.685.501.556	\$ 5.778.967.133	\$ 2.539.005.700
2019	\$ 443.801.116,67	\$ 106.316.400,00	\$ 29.872.440,00	\$ 14.793.370,56	\$ 3.543.880,00	\$ 995.748,00	\$ 69.035.729	\$ 16.538.107	\$ 7.148.960	\$ 161.987.407.583	\$ 38.805.486.000	\$ 10.903.440.600	\$ 5.399.580.253	\$ 1.293.516.200	\$ 363.448.020	\$ 25.198.041.180	\$ 6.036.408.933	\$ 2.609.370.400
2020	\$ 452.828.233,33	\$ 110.850.600,00	\$ 30.677.985,00	\$ 15.094.274,44	\$ 3.695.020,00	\$ 1.022.599,50	\$ 70.439.947	\$ 17.243.427	\$ 7.341.740	\$ 165.282.305.167	\$ 40.460.469.000	\$ 11.197.464.525	\$ 5.509.410.172	\$ 1.348.682.300	\$ 373.248.817	\$ 25.710.580.804	\$ 6.293.850.733	\$ 2.679.735.100
2021	\$ 461.855.350,00	\$ 115.384.800,00	\$ 31.483.530,00	\$ 15.395.178,33	\$ 3.846.160,00	\$ 1.049.451,00	\$ 71.844.166	\$ 17.948.747	\$ 7.534.520	\$ 168.577.202.750	\$ 42.115.452.000	\$ 11.491.488.450	\$ 5.619.240.092	\$ 1.403.848.400	\$ 383.049.615	\$ 26.223.120.428	\$ 6.551.292.533	\$ 2.750.099.800
2022	\$ 470.882.466,67	\$ 119.919.000,00	\$ 32.289.075,00	\$ 15.696.082,22	\$ 3.997.300,00	\$ 1.076.302,50	\$ 73.248.384	\$ 18.654.067	\$ 7.727.300	\$ 171.872.100.333	\$ 43.770.435.000	\$ 11.785.512.375	\$ 5.729.070.011	\$ 1.459.014.500	\$ 392.850.412	\$ 26.735.660.052	\$ 6.808.734.333	\$ 2.820.464.500
2023	\$ 479.909.583,33	\$ 124.453.200,00	\$ 33.094.620,00	\$ 15.996.986,11	\$ 4.148.440,00	\$ 1.103.154,00	\$ 74.652.602	\$ 19.359.387	\$ 7.920.080	\$ 175.166.997.917	\$ 45.425.418.000	\$ 12.079.536.300	\$ 5.838.899.931	\$ 1.514.180.600	\$ 402.651.210	\$ 27.248.199.676	\$ 7.066.176.133	\$ 2.890.829.200
2024	\$ 488.936.700,00	\$ 128.987.400,00	\$ 33.900.165,00	\$ 16.297.890,00	\$ 4.299.580,00	\$ 1.130.005,50	\$ 76.056.820	\$ 20.064.707	\$ 8.112.860	\$ 178.461.895.500	\$ 47.080.401.000	\$ 12.373.560.225	\$ 5.948.729.850	\$ 1.569.346.700	\$ 412.452.007	\$ 27.760.739.300	\$ 7.323.617.933	\$ 2.961.193.900
2025	\$ 497.963.816,67	\$ 133.521.600,00	\$ 34.705.710,00	\$ 16.598.793,89	\$ 4.450.720,00	\$ 1.156.857,00	\$ 77.461.038	\$ 20.770.027	\$ 8.305.640	\$ 181.756.793.083	\$ 48.735.384.000	\$ 12.667.584.150	\$ 6.058.559.769	\$ 1.624.512.800	\$ 422.252.805	\$ 28.273.278.924	\$ 7.581.059.733	\$ 3.031.558.600
2026	\$ 506.990.933,33	\$ 138.055.800,00	\$ 35.511.255,00	\$ 16.899.697,78	\$ 4.601.860,00	\$ 1.183.708,50	\$ 78.865.256	\$ 21.475.347	\$ 8.498.420	\$ 185.051.690.667	\$ 50.390.367.000	\$ 12.961.608.075	\$ 6.168.389.689	\$ 1.679.678.900	\$ 432.053.602	\$ 28.785.818.548	\$ 7.838.501.533	\$ 3.101.923.300
2027	\$ 516.018.050,00	\$ 142.590.000,00	\$ 36.316.800,00	\$ 17.200.601,67	\$ 4.753.000,00	\$ 1.210.560,00	\$ 80.269.474	\$ 22.180.667	\$ 8.691.200	\$ 188.346.588.250	\$ 52.045.350.000	\$ 13.255.632.000	\$ 6.278.219.608	\$ 1.734.845.000	\$ 441.854.400	\$ 29.298.358.172	\$ 8.095.943.333	\$ 3.172.288.000
2028	\$ 525.045.166,67	\$ 147.124.200,00	\$ 37.122.345,00	\$ 17.501.505,56	\$ 4.904.140,00	\$ 1.237.411,50	\$ 81.673.693	\$ 22.885.987	\$ 8.883.980	\$ 191.641.485.833	\$ 53.700.333.000	\$ 13.549.655.925	\$ 6.388.049.528	\$ 1.790.011.100	\$ 451.655.197	\$ 29.810.897.796	\$ 8.353.385.133	\$ 3.242.652.700
2029	\$ 534.072.283,33	\$ 151.658.400,00	\$ 37.927.890,00	\$ 17.802.409,44	\$ 5.055.280,00	\$ 1.264.263,00	\$ 83.077.911	\$ 23.591.307	\$ 9.076.760	\$ 194.936.383.417	\$ 55.355.316.000	\$ 13.843.679.850	\$ 6.497.879.447	\$ 1.845.177.200	\$ 461.455.995	\$ 30.323.437.420	\$ 8.610.826.933	\$ 3.313.017.400
2030	\$ 543.099.400,00	\$ 156.192.600,00	\$ 38.733.435,00	\$ 18.103.313,33	\$ 5.206.420,00	\$ 1.291.114,50	\$ 84.482.129	\$ 24.296.627	\$ 9.269.540	\$ 198.231.281.000	\$ 57.010.299.000	\$ 14.137.703.775	\$ 6.607.709.367	\$ 1.900.343.300	\$ 471.256.792	\$ 30.835.977.044	\$ 8.868.268.733	\$ 3.383.382.100
2031	\$ 552.126.516,67	\$ 160.726.800,00	\$ 39.538.980,00	\$ 18.404.217,22	\$ 5.357.560,00	\$ 1.317.966,00	\$ 85.886.347	\$ 25.001.947	\$ 9.462.320	\$ 201.526.178.583	\$ 58.665.282.000	\$ 14.431.727.700	\$ 6.717.539.286	\$ 1.955.509.400	\$ 481.057.590	\$ 31.348.516.669	\$ 9.125.710.533	\$ 3.453.746.800
2032	\$ 561.153.633,33	\$ 165.261.000,00	\$ 40.344.525,00	\$ 18.705.121,11	\$ 5.508.700,00	\$ 1.344.817,50	\$ 87.290.565	\$ 25.707.267	\$ 9.655.100	\$ 204.821.076.167	\$ 60.320.265.000	\$ 14.725.751.625	\$ 6.827.369.206	\$ 2.010.675.500	\$ 490.858.387	\$ 31.861.056.293	\$ 9.383.152.333	\$ 3.524.111.500
2033	\$ 570.180.750,00	\$ 169.795.200,00	\$ 41.150.070,00	\$ 19.006.025,00	\$ 5.659.840,00	\$ 1.371.669,00	\$ 88.694.783	\$ 26.412.587	\$ 9.847.880	\$ 208.115.973.750	\$ 61.975.248.000	\$ 15.019.775.550	\$ 6.937.199.125	\$ 2.065.841.600	\$ 500.659.185	\$ 32.373.595.917	\$ 9.640.594.133	\$ 3.594.476.200
2034	\$ 579.207.866,67	\$ 174.329.400,00	\$ 41.955.615,00	\$ 19.306.928,89	\$ 5.810.980,00	\$ 1.398.520,50	\$ 90.099.001	\$ 27.117.907	\$ 10.040.660	\$ 211.410.871.333	\$ 63.630.231.000	\$ 15.313.799.475	\$ 7.047.029.044	\$ 2.121.007.700	\$ 510.459.982	\$ 32.886.135.541	\$ 9.898.035.933	\$ 3.664.840.900
2035	\$ 588.234.983,33	\$ 178.863.600,00	\$ 42.761.160,00	\$ 19.607.832,78	\$ 5.962.120,00	\$ 1.425.372,00	\$ 91.503.220	\$ 27.823.227	\$ 10.233.440	\$ 214.705.768.917	\$ 65.285.214.000	\$ 15.607.823.400	\$ 7.156.858.964	\$ 2.176.173.800	\$ 520.260.780	\$ 33.398.675.165	\$ 10.155.477.733	\$ 3.735.205.600
2036	\$ 597.262.100,00	\$ 183.397.800,00	\$ 43.566.705,00	\$ 19.908.736,67	\$ 6.113.260,00	\$ 1.452.223,50	\$ 92.907.438	\$ 28.528.547	\$ 10.426.220	\$ 218.000.666.500	\$ 66.940.197.000	\$ 15.901.847.325	\$ 7.266.688.883	\$ 2.231.339.900	\$ 530.061.577	\$ 33.911.214.789	\$ 10.412.919.533	\$ 3.805.570.300
2037	\$ 606.289.216,67	\$ 187.932.000,00	\$ 44.372.250,00	\$ 20.209.640,56	\$ 6.264.400,00	\$ 1.479.075,00	\$ 94.311.656	\$ 29.233.867	\$ 10.619.000	\$ 221.295.564.083	\$ 68.595.180.000	\$ 16.195.871.250	\$ 7.376.518.803	\$ 2.286.506.000	\$ 539.862.375	\$ 34.423.754.413	\$ 10.670.361.333	\$ 3.875.935.000
2038	\$ 615.316.333,33	\$ 192.466.200,00	\$ 45.177.795,00	\$ 20.510.544,44	\$ 6.415.540,00	\$ 1.505.926,50	\$ 95.715.874	\$ 29.939.187	\$ 10.811.780	\$ 224.590.461.667	\$ 70.250.163.000	\$ 16.489.895.175	\$ 7.486.348.722	\$ 2.341.672.100	\$ 549.663.172	\$ 34.936.294.037	\$ 10.927.803.133	\$ 3.946.299.700
2039	\$ 624.343.450,00	\$ 197.000.400,00	\$ 45.983.340,00	\$ 20.811.448,33	\$ 6.566.680,00	\$ 1.532.778,00	\$ 97.120.092	\$ 30.644.507	\$ 11.004.560	\$ 227.885.359.250	\$ 71.905.146.000	\$ 16.783.919.100	\$ 7.596.178.642	\$ 2.396.838.200	\$ 559.463.970	\$ 35.448.833.661	\$ 11.185.244.933	\$ 4.016.664.400
2040	\$ 633.370.566,67	\$ 201.534.600,00	\$ 46.788.885,00	\$ 21.112.352,22	\$ 6.717.820,00	\$ 1.559.629,50	\$ 98.524.310	\$ 31.349.827	\$ 11.197.340	\$ 231.180.256.833	\$ 73.560.129.000	\$ 17.077.943.025	\$ 7.706.008.561	\$ 2.452.004.300	\$ 569.264.767	\$ 35.961.373.285	\$ 11.442.686.733	\$ 4.087.029.100

Costos de viaje con proyecto. Fuente: Elaboración propia