PARAMETER NAME	VALUE USED IN	RECOMMENDED	UNIT OF MEASUREMENT	REFERENCES & COMMENTS
ONS FOR ANALYSIS	CALCULATIONS	VALUE		
First Year of Analysis	2021	2021	year	Present year (Discounting base)
Base Year for all Monetization Assumptions	2019	2019	year	US DOT Benefit-Cost Analysis Guidance for Discretionary Grant Programs, February 2021
Real Discount Rate	7.0%	7.0%	% per year	US DOT Benefit-Cost Analysis Guidance for Discretionary Grant Programs, February 2021
Real Discount Rate implicit in Social Cost of Carbon	3.0%	3.0%	% per year	ibid
Annualization Factor	300	300	days	Assumption
CONVERSIONS Kilograms per Short U.S. Ton	907.19	907.185	kg	n/a
Kilograms per Metric Ton	1,000	1,000	-	n/a
IATION OF TRAVEL TIME SAVING				
Value of Time Estimates				
Personal Travel, all modes except Bike/Ped	\$16.5	\$16.5	\$ per person-hour	US DOT Benefit-Cost Analysis Guidance for Discretionary Grant Programs, February 2021
Business Travel, all modes except Bike/Ped	\$27.9		\$ per person-hour	ibid
All Purposes	\$17.9		\$ per person-hour	ibid
	7 2	17.8		
Personal vs. Business Travel				
Share of Personal Travel in Total Travel	88.2%		percent of total	US DOT Benefit-Cost Analysis Guidance for Discretionary Grant Programs, February 2021
Share of Business Travel in Total Travel	11.8%	11.8%	percent of total	ibid
Hourly Earnings of Vehicle Operators				
Truck Drivers	\$30.8	\$30.8	\$ per person-hour	US DOT Benefit-Cost Analysis Guidance for Discretionary Grant Programs, February 2021
Year of Value of Time Estimates	2019	2019	·	n/a
Annual Growth in Real Value of Time	0.00%	0.00%	% per year	US DOT Guidance, September 2017
Average Daily Vehicle Occupancy				
Auto	1.67	1.67	persons per vehicle	US DOT Benefit-Cost Analysis Guidance for Discretionary Grant Programs, February 2021
Trucks	1.00		persons per vehicle	ibid
CLE OPERATING COSTS Automobiles	\$0.43	\$0.43	\$ per mile	US DOT Benefit-Cost Analysis Guidance for Discretionary Grant Programs, February 2021
Trucks	\$0.93		\$ per mile	ibid
DENT COSTS			[
Average Injury Cost by Severity Level MAIS 1 - Minor injury	\$32,700	\$32,700	\$ per injury	US DOT, Guidance on Treatment of the Economic Value of a Statistical Life in U.S. Department of Transporta
MAIS 2 - Moderate injury	\$512,300		\$ per injury	Analyses (2016); as in the US DOT Benefit-Cost Analysis Guidance for Discretionary Grant Programs, Februa
MAIS 2 - Moderate injury MAIS 3 - Serious injury	\$1,144,500	\$1,144,500		2021; MAIS = Maximum Abbreviated Injury Scale
MAIS 4 - Severe injury	\$2,899,400	\$2,899,400		2021, MAIS – Maximum Abbreviated Injuly Scale
	\$6,463,700	\$6,463,700		
MAIS 5 - Critical injury MAIS 6 - Fatality				
IVIAIS 0 - Fatality	\$10,900,000	\$10,900,000	φρει iatality	
O - No Injury	\$3,700	\$3,700	\$ per injury	US DOT, Guidance on Treatment of the Economic Value of a Statistical Life in U.S. Department of Transport
C - Possible Injury	\$72,500	\$72,500	\$ per injury	Analyses (2016); as in the US DOT Benefit-Cost Analysis Guidance for Discretionary Grant Programs, Februa
B - Non-incapacitating	\$142,000	\$142,000	\$ per injury	2021; KABCO Scale
A - Incapacitating	\$521,300	\$521,300	\$ per injury	
K - Killed	\$10,900,000	\$10,900,000		
U - Injured (Severity Unknown)	\$197,600		\$ per injury	
Average Cost of a Property Damage Only (PDO) Accident	\$4,500	¢4 EOO	\$ per damaged vehicle	US DOT Benefit-Cost Analysis Guidance for Discretionary Grant Programs, February 2021
Average cost of a Property Damage Only (PDO) Accident	94,000	ş 4 ,500	y per damaged vehicle	of Dor Deneme Cost Analysis Guidance for Discretionary Grant Programs, Pebruary 2021
Year of Accident Cost Estimates	2019	2019	year	n/a
Annual Growth in Real Injury Costs	0.00%	0.00%	% per year	US DOT Guidance, September 2017
SION COSTS				
Nitrogen Oxides (NOx)	Time-dependent	Time-dependent	\$ per metric ton	US DOT Benefit-Cost Analysis Guidance for Discretionary Grant Programs, February 2021
Particulate Matter (PM)	Time-dependent	Time-dependent		ibid
Sulfur Dioxide (SO2)	Time-dependent	Time-dependent	-	ibid
Carbon Dioxide (CO2)	Time-dependent	Time-dependent	\$ per metric ton	ibid