

DAILY EMISSIONS REDUCED FROM BUILDING OF NEW ACTIVE TRANSPORTATION FACILITIES										
BIKE INDUCED TRIPS						PED INDUCED TRIPS				
INPUTS						INPUTS				
Project Year		Daily Reduction in Trips		Avg Trip Distance (miles)		Project Year		Daily Reduction in Avg Trip Distance (miles)		
2027		27.872		0.85		2027		36.448		0.222198352
OUTPUT						OUTPUT				
Net Reduction in VMT:		23.6912 miles				Net Reduction in VMT:		8.098685526 miles		
Emissions Reductions						Emissions Reductions				
CO (kg/day)	PM2.5 (kg/day)	PM10 (kg/day)	NOx (kg/day)	VOCs (kg/day)		CO (kg/day)	PM2.5 (kg/day)	PM10 (kg/day)	NOx (kg/day)	VOCs (kg/day)
Daily	0.295820318	0.000874433	0.003157	0.020062345	0.01821321	0.386841955	0.001143489	0.004128648	0.026235374	0.023817274
Annual	107.9744162	0.319167989	1.152378	7.32275579	6.64782141	141.1973135	0.417373524	1.506956435	9.575911418	8.693304922
Annual Tons	0.107974416	0.000319168	0.001152	0.007322756	0.00664782	0.141197313	0.000417374	0.001506956	0.009575911	0.008693305

**FOR Sox CALCULATION, NOT INCLUDED IN CMAQ PLANNING DOCUMENTATION**

AFLEET Estimate of 5 year old (avg vehicle age in OR) LDV GHG emissions from 80 Light Duty Vehicles in Jackson County, OR.

	lbs	metric tons
CO	lb/year	1732.102685 0.785668
NOx	lb/year	31.500312 0.014288
PM10	lb/year	3.280478461 0.001488
PM10 (TBW)	lb/year	67.79655487 0.030752
PM2.5	lb/year	2.186985641 0.000992
PM2.5 (TBW)	lb/year	8.747942563 0.003968
VOC	lb/year	94.24556157 0.042749
VOC (Evap)	lb/year	60.99346739 0.027666
SOx	lb/year	4.477947527 0.002031

1lb = 0.000453592 metric tons