

$$AADT = ADT * 0.93$$

AADT = Annual Averaged Daily Traffic

ADT = Averaged Daily Traffic

Enter Traffic Count in highlighted box below

ADT		AADT	
AADT =	16000	0.93	14880

Vehicles Reduced (VR)= AADT \* (Adjustment Factor + Activity Center Credit)

$$VR = AADT * (A + C)$$

Table 1		Table 2		Veh. Reduced
AADT	Adj. Factor (A)	Factor (C)	Adj.	
VR =	14880	0.0014	0.003	65,472

Vehicle Miles Reduced (VMTR) = VR \* Trip Length

$$VMTR = VR * TL$$

where Trip Length = the length of bicycle trip is assumed to be 4 miles and the length of a pedestrian trip is 0.5 miles. For multi-use path average trip length assumed is 2.5 miles.

VR	*	TL	VMTR
VMTR =	65,472	2.5	163,68

Table 1: Adjustment Factors

Annual Average Daily Traffic (AADT)	Length of Project	Adjustment Factor (A)
AADT ≤ 11,271 vehicles per day	≤ 1 mile	0.0019
	> 1 mile and ≤ 2 miles	0.0029
	> 2 miles	0.0038
11,271 < AADT ≤ 18,142 vehicles per day	≤ 1 mile	0.0014
	> 1 mile and ≤ 2 miles	0.002
	> 2 miles	0.0027
AADT > 18,142 vehicles per day	≤ 1 mile	0.001
	> 1 mile and ≤ 2 miles	0.0014
	> 2 miles	0.0019

### City of Medford Traffic Counts

12,119 traffic count (or ADT) = AADT of 11270.7

19,507 traffic count (or ADT) = AADT of 18141.5

Medford Traffic Count Data (2016):

Mean traffic count = 12,119

Max traffic count = 49,500

Std Deviation = 7,388

Table 2: ACTIVITY CENTER CREDITS

banks, churches, hospitals, health care facilities, park and ride lots, office parks, post offices, public libraries, shopping areas or grocery stores, universities or junior colleges, parks, schools, commercial,

Number of Activity Centers	Activity Center Credit (C)	
	Within 1/2 mile	Within 1/4 mile
At least three	0.0005	0.001
> 3 but < 7	0.001	0.002
≥ 7	0.0015	0.003