2016 Bicycle Corridor Improvement Program

Air Quality Inputs

Input data in highlighted sections

Bicycle Facilities

Local Government Name: [ ] ▼ Use pull down menus

Project Name: [ ]

Please use descriptive project name that fits in box.

Number of category must match number of subcategory. **View Category List** | **Print List**

Category: (8) Bicycles ▼ Use pull down menus

Subcategory: (8a) Bicycle Lanes and Trails (also bridges) ▼

Description: (Issues/Comments) [ ]

Implementing Agency: [ ] **Is the agency private?:** [ ]

Motor Vehicle Funding (MVFees):	$0 dollars	←—Subvention Funds
MSRC Funding (MSRC):	$0 dollars	←—Discretionary
Moyer Funding (Moyer):	$0 dollars	Funds
CMAQ Funding (CMAQ):	$0 dollars	
Other CoFunding (CoFund):	$0 dollars	Adjust life to represent the project. See defaults at right.
Project Life (Life):	15 years	

Suggested Life Defaults:
Class 1 projects: 20 years
Class 2 projects: 15 years

Days (D):	200 days of use/year	Consider local climate.
Average Length (L) of bicycle trips:	1.80 Miles per trip in one direction	
Annual Average Daily Traffic (ADT):	0 Trips per day	MAXIMUM IS 30,000

Length default based on National Personal Transportation Survey.

Two-direction traffic volumes on roadway parallel to bike project.

ADJUSTMENT FACTORS
and non-university towns < 250,000

BIKE FACILITY CLASS	AVERAGE DAILY TRAFFIC (ADT)	LENGTH OF BIKE PROJECT (IN ONE DIRECTION)	ADJUSTMENT FACTORS FOR CITIES WITH POPULATION>250,000*	ADJUSTMENT FACTORS FOR UNIVERSITY TOWNS WITH POPULATION<250,000
Class 1 (path) and Class 2 (lane)	ADT < 12,000 vehicles per day	<1 mile	.0019	.0104
		>1 and <2 miles	.0029	.0155
		> 2 miles	.0038	.0207
Class 1 (path) and Class 2 (lane)	12,000<ADT<24,000 vehicles per day	<1 mile	.0014	.0073
		>1 and <2 miles	.0020	.0109
		> 2 miles	.0027	.0145
Class 2 (lane)	24,000<ADT<30,000 vehicles per day MAXIMUM IS 30,000	<1 mile	.0010	.0052
		>1 and <2 miles	.0014	.0078
		> 2 miles	.0019	.0104

Adjustment (A) on ADT for auto trips replaced by bike trips from the bike facility: 0.0020

Use table above. Adjustments are based on facility class, ADT, project length, and community characteristics.

Credit (C) for Activity Centers near the project: 0.0005 Use Activity Centers table below.

MAIN MENU | **EMISSION FACTORS** | **CLOSE**

| Annual Auto Trip Reduced: | 5,000 | Annual Trips | (D) * (ADT) * (A + C) |
| Annual Auto VMT Reduced: | 9,000 | Annual Miles | (Annual Auto Trips Reduced) * (L) |

Emission Factors

	Auto Trip End Factors		Auto VMT Factors	
ROG Factor:	0.000	grams per trip	0.000	grams per mile
NOx Factor:	0.000		0.000	
PM2.5 Factor:	0.000		0.000	
CO Factor:	0.000		0.000	

For average auto emission factors, see Emission Factors Menu, Table 3. For Class 2 facilities use factors for 11-15 years. For Class 1 facilities, use factors for 16-20 years.

Emission Reductions

	pounds per year	kilograms per day
Reductions in Reactive Organic Gases (ROG):	0	0
Reductions in Nitrogen Oxides (NOx):	0	0
Reductions in Particulates (PM2.5):	0	0
Reductions in Carbon Monoxide (CO/7):	0	0
TOTAL EMISSION REDUCTIONS:	0	0

Annual Emission Reductions in pounds per year (ROG, NOx, PM2.5, and CO/7) =
[(Annual Auto Trips Reduced) * (Auto Trip End Factor) + (Annual Auto VMT Reduced) * (Auto VMT Factor)]/454

Cost-Effectiveness

	Based on ROG, NOx, and PM2.5	Based on ROG, NOx, PM2.5, and CO/7
MVFees Cost-Effectiveness:	#Num! dollars per lb.	#Num! dollars per lb.

MVFees CE = ((MVFees + MSRC + Moyer) * CRF)/(ROG + NOx + PM2.5)

CMAQ Cost-Effectiveness:	#Div/0! dollars per lb.	#Div/0! dollars per lb.

CMAQ CE = (CMAQ * CRF)/(ROG + NOx + PM2.5)

Total Cost-Effectiveness:	#Div/0! dollars per lb.	#Div/0! dollars per lb.

Total CE = ((MVFees + MSRC + Moyer + CMAQ + CoFund) * CRF)/(ROG + NOx + PM2.5)

For One-Page Summary of Each Project

CLICK HERE to Preview   CLICK HERE to Print

For Hardcopy of Computer Screens

CLICK HERE to Preview   CLICK HERE to Print

Click Here to add another project of the same category

To add a project in a different category, return to Main Menu.

For more summary reports of all project types, return to Main Menu, select "REPORTS MENU."

NOTE: You can view each project record you have entered by using the record bar at bottom of screen or the tab bar at left of screen.

End of Form

MAIN MENU   EMISSION FACTORS   CLOSE