Bike Lanes Cost Estimating Tool

Mid-Ohio Regional Planning Commission

The estimated range of additional construction costs to include this component with the base project is:

Low: $412,000
High: $503,000

This range does not include costs for design, right-of-way acquisition, utility relocation or construction inspection.

#	Question	Answer	Units	Notes
	Dimensions			
1	Length of roadway with bike lanes to be constructed on **only one side** of the roadway.	1	miles	Exclude any length of the project for which bike lanes are not proposed.
2	Length of roadway with bike lanes to be constructed on **both sides** of the roadway.	0	miles	Exclude any length of the project for which bike lanes are not proposed.
3	Total length of bike lanes to be added to roadways (counting each direction separately).	1	miles	This is a calculation that is shown for you to check your entries in #1 and #2.
4	Average width of bike lane in each direction. If the widths differ by direction, enter the average.	5	feet	5 ft is the minimum recommended width of a bike lane in many design resources. For example, if 6 ft wide in one direction and 5 ft in the other, enter 5.5 ft.
5	Typical width of buffer in each direction between bike lane and motorized lane.	1.5	feet	Many design resources suggest striped buffers for lanes adjacent to high-speed traffic or certain parking lanes. The minimum practical width for striping buffers is 1.5 ft.
6	Total width of pavement reallocated to bike lanes from other uses (motorized lanes, shoulders) compared to the base project.	3	feet	For example, if the base project would construct three 12-ft lanes, but the bike lane alternative would reduce the lane widths to 11 ft, enter 3 feet. If the total pavement width for the base project has not yet been determined, the value should be 0 (or blank).
7	Additional pavement width needed to add bike lanes to the base project.	7	feet	If the values in #4 to #6 will vary for significant portions of the project, run the estimator for each configuration separately and sum the results.
	Clearing			
8	Will bike lane construction require additional tree removal?	No	Yes/No	These are trees that would not be removed for the base project.
9	If so, how many of those are **large** trees?		large trees	Trees that are 75 ft tall or taller.
10	If so, how many of those are **small** trees?		small trees	Trees less than 75 ft tall.
	Structures			
11	Does the roadway have any culverts that will need to be modified or replaced to construct bike lanes?	No	Yes/No	A culvert is a structure that allows water to flow under a road and is typically embedded so as to be surrounded by soil. It may take the form of a metal pipe or a concrete tunnel. The referenced dimension is the width or diameter of the culvert.
12	If so, how many of those are **small** (< 3 ft) culverts?		culverts	
13	If so, how many of those are **medium** (3 ft to 10 ft) culverts?		culverts	
14	If so, how many of those are **large** (> 10 ft) culverts?		culverts	
15	Does the roadway have any bridges?	No	Yes/No	
16	If so, how many bridges?		bridges	
17	If so, what is the total (combined) length, or span, of the bridges?		feet	For example, a 50-ft long bridge and a 100-ft long bridge would be 150 ft.
	Other Considerations			
18	Will the facility require the project to add curb and gutter that is not included in the base project?	No	Yes/No	
19	Will the proposed bike lane require utilities to be moved that would otherwise not be moved?	No	Yes/No	
20	If so, are these utilities currently located within the public right-of-way?		Yes/No	If not, then report that there would likely be extra utility relocation costs not calculated with this tool.