

Bicycle and Pedestrian Infrastructure



Road and trail project location, cost and timeline

Project Location. Generally, substantial on-road infrastructure such as bike lanes and sidewalks are most appropriate in densely populated areas outside city limits and in the “downtown” core of unincorporated communities. As road users travel out of densely populated areas and onto sparsely populated rural roads the need for infrastructure shifts. On roads with fewer cars, active transportation users benefit from traffic calming techniques to slow traffic, which can result in wider shoulders and slower speeds. Collaborative planning ensures that multi-use trails connect with on-road facilities to provide a cohesive network.

New Infrastructure. This section illustrates the steps, cost and timeline for a typical project with new bike lanes or sidewalks, after funding is secured. Each project differs in complexity, cost and neighborhood support, which can cause significant fluctuations in cost and timeline. A standard project that adds bike lanes or sidewalks to a road can cost about \$1 million per mile.

Steps	Time
Project Development	~1 year
Engineering and Environmental	~1-2 years
Right of Way	~1-2 years
Construction	~1 year
Total Time	~4-5 years

Traffic Calming. Traffic calming takes place in the existing road width and slows vehicular traffic. Projects can be implemented relatively quickly and can often leverage restriping after pavement preservation projects. A typical traffic calming project may cost \$200,000-\$500,000, depending on the site.

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Traffic Calming Continued.

Steps	Time
Project Development	Under 1 year
Engineering and Environmental	~1 years
Construction	~1 year
Total Time	~1-2 years

Multi Use Trail. This section illustrates the steps, cost, and timeline for a typical project with separated multi-use trail project , after funding is secured. Also described as a Class 1 bike path, a multi-use trail is separated from the road with an all-weather surface, Americans with Disabilities Act compliant, and for pedestrians, bicyclists, and other non-motorized modes. Each project differs in complexity, cost, environmental conditions, regional significance, and local support, causing significant fluctuations in cost and timeline. Trails can include gates, bridges, and/or walls. Cost also varies based on surfacing and drainage needs. Master planning of a trail corridor includes community and stakeholder engagement. A multi-use trail can cost between \$500,000 and \$2 million.

Steps	Time
Project Development	~1 year
Right of Way	~1-5 years
Design, Engineering, Environmental	~1-3 years
Construction	~1-2 year
Total Time	~4-12 years