Urban Segments
Road Diet (3- and 5-Lane Conversions)

Crash Reduction Factor
• 30% to 50%

Typical Installation Costs
• $48,000 per mile [three-lane] + $54,000 per mile [five-lane] + $36,000 per signalized intersection for updates (for example, loop and signal head placement)
3/4 - Intersection

Crash Reduction Factor
• 25%

Typical Installation Costs
• $150,000 per location
Access Management

Crash Reduction Factor
• 5% to 31%

Typical Installation Costs
• $360,000 per mile

Before

After
Bike Lanes and Boulevards

Crash Reduction Factor
• Approximately 60% (Some studies have noted increases)

Typical Installation Costs
• Repurposing existing road ~$5,000 per mile
• New Construction of Separated Boulevard ~ $500,000 per mile
Urbanization (Make it Feel Urban)

Crash Reduction Factor
• Not Available

Typical Installation Costs
• $500,000 to $1,000,000 per mile
Dynamic Speed Feedback Sign

Crash Reduction Factor
• 5% - 7% all crashes

Typical Installation Costs
• $30,000 per location
Sidewalks

Crash Reduction Factor
• Not Available

Typical Installation Costs
• $5 to $10 per square foot