BEFORE
This lowly trafficked residential is pleasant for bicycling. However, existing traffic diverters make thru bicycle movements more challenging.

AFTER
The addition of bicycle-thru access, shared-use lane directional markings (sharrows) and wayfinding signs create a neighborhood greenway.

1. Shared use lane markings (sharrows)
2. Bicycle diverter crossing
3. Neighborhood greenway wayfinding signs

BEFORE
A conventional suburban arterial and collector intersection with narrow sidewalks, barely visible crosswalks, and no bicycle facilities.

AFTER
The replacement of excess vehicular space with buffered bicycle lanes, high-visibility crosswalks, and a pedestrian refuge safety median.

1. High-visibility crosswalk
2. Tactile warning ramps
3. Buffered bicycle lane with green colored pavement
4. Sidewalk curb extension (bumpout)
5. Peg-a-tracking
6. Bike box with green colored pavement
7. Planted median / pedestrian refuge

BEFORE
Five lanes of moving traffic and wide underutilized parking lanes leave little space for bicycling and make crossing the street on foot a daunting task.

AFTER
The replacement of excess vehicular space with buffered bicycle lanes, high-visibility crosswalks, and a pedestrian refuge safety median.

1. High-visibility crosswalk
2. Tactile warning ramps
3. Buffered bicycle lane with green colored pavement
4. Sidewalk curb extension (bumpout)
5. Peg-a-tracking
6. Bike box with green colored pavement
7. Planted median / pedestrian refuge

BEFORE
Wide sidewalks and mixed-use urban buildings put many destinations within close proximity, however there are no dedicated bicycle facilities.

AFTER
The addition of a parking-protected cycle track and pedestrian refuge islands provide low-stress connections for people bicycling and walking.

1. Colored pavement highlights parking-protected cycle track
2. Buffer space with planters
3. Landscaped pedestrian refuge island
4. Peg-a-tracking
5. Bicycle detection and bicycle signal

BEFORE
Removing a travel lane in each direction does traffic and allows a top-rank raised cycle track to be implemented alongside a variety of other amenities.

AFTER
A 4-lane to 3 road diet makes way for high-visibility crosswalks, including a rapid flashing beacon, median refuge, and buffered bicycle lanes.

1. High-visibility crosswalk
2. Tactile warning ramps
3. Buffered bicycle lane
4. Peg-a-tracking
5. Mid-block crossing
6. Pedestrian refuge island
7. Push button activated rectangular rapid flashing beacon

BEFORE
A rural collector arterial thoroughfare where crosswalks and bicycle facilities are noticeably absent.

AFTER
A shared use path meets the needs of a variety of users, while bicycle-friendly shoulders and detector loops enhance the experience for skilled cyclists.

1. Bicycle detector loop
2. Peg-a-tracking
3. Shared use path
4. Bicycle-friendly shoulder

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St. Louis is ready for low-stress bicycle and pedestrian connections. Low-stress connectivity provides routes between people’s origins and destinations that do not require bicyclists to use links that exceed their tolerance for traffic stress, and that do not involve an undue level of detour. Many cities in the U.S. have begun using bicycle facilities classified as low-stress due to their ability to spur economic development and attract high numbers of cyclists and pedestrians.

Roger Geller

The increase in retail sales adjacent to New York City’s first physically-protected cycle track vs. retail sales borough-wide.

49% vs. 3%

The amount of sales growth most businesses on Greenville, SC’s new Swamp Rabbit Trail saw after it opened in 2011.

30% - 50%

The premium people will pay for a home in a walkable neighborhood, according to the Urban Land Institute.

$26,000

One of the nation’s highest rates of women bicyclists is in the Twin Cities, where increased cycling infrastructure has led to more women on two wheels.

37% - 45%

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Riding a bicycle should not require bravery. Yet, all too often, that is the perception among cyclists and non-cyclists alike. For all too often, that is the perception among cyclists and non-cyclists alike.