

Reverse Angle Parking – Easy as 1-2-3!



Benefits of Reverse Angle Parking:

Improved Driver Visibility:

When leaving a parking space, drivers are facing forward allowing a better view of traffic and cyclists. Drivers do not have to back in to traffic blindly when leaving.

Easier Loading/Unloading

The vehicle's trunk is accessed from the sidewalk, making it safer and more convenient to load/unload items.

Accessible Parking and Curb Ramps

Wheelchair users can load/unload from the vehicle's side or rear, away from the traffic lane.



ABOVE:

Reverse Angle Parking is compatible with bike lanes. Drivers can see cyclists better than conventional angle parking.

LEFT:

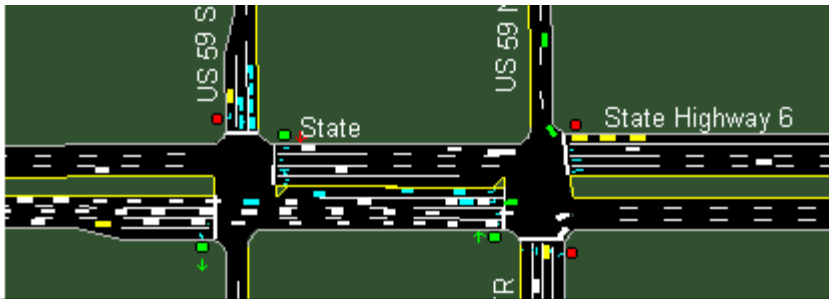
Diagram of the steps involved in Reverse Angle Parking. Drivers often find it to be easier than parallel parking.

RIGHT:

Reverse Angle Parking has been used successfully in Pottstown, PA (pictured) and many other locations around the country.



Traffic Considerations and Enhancements



Traffic counts have been performed, and a complete analysis has been performed for the existing and proposed conditions, using specialized traffic modeling software, to ensure that the proposed travel lanes with the “road diet” provide an adequate level of service.



The proposed roadway layout has been coordinated with Beaver County Transit Authority’s bus stops to provide designated pull-off areas, allowing buses to load and unload passengers without blocking through traffic

In many locations where left turns are currently restricted, new turn lanes will be established, and left turn phasing (green arrow) will be added to the upgraded traffic signals, providing improved access to the side streets.

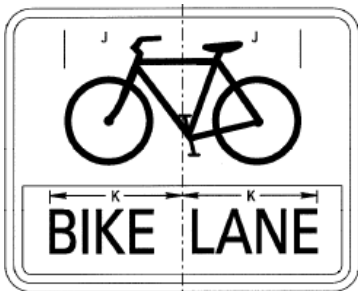


Emergency Vehicle Preemption will be installed as part of the traffic signal upgrades. This technology provides more “green time” for police cars, fire trucks and ambulances traveling through these intersections – saving critical seconds and minutes for first responders.



Bicycle Considerations

Special Signs and Pavement Markings will be used to clearly mark Bike Lanes



Why Bike Lanes?

- Safety for all users
 - Motorists, bicycles, and pedestrians all have designated areas with less conflicts
 - Helps to calm vehicular traffic
- Encourages less use of vehicles, especially for shorter trips
 - Promotes exercise and overall health
 - Less vehicular traffic congestion
 - Less vehicles = less emissions
- Supports the business district and the local economy
 - Allows visibility and access to stores and businesses for more users

Making Connections...

- State Route 18 is part of PA Bicycle Route A. The route stretches 199 miles from Erie, Pa. to Greene County, Pa., just north of Morgantown, W. Va. Locally, this route connects Aliquippa, Monaca, Beaver Falls, and Elwood City
- Route 18 (7th Avenue) provides connections between New Brighton, the Beaver Falls business district, Geneva College, and other destinations

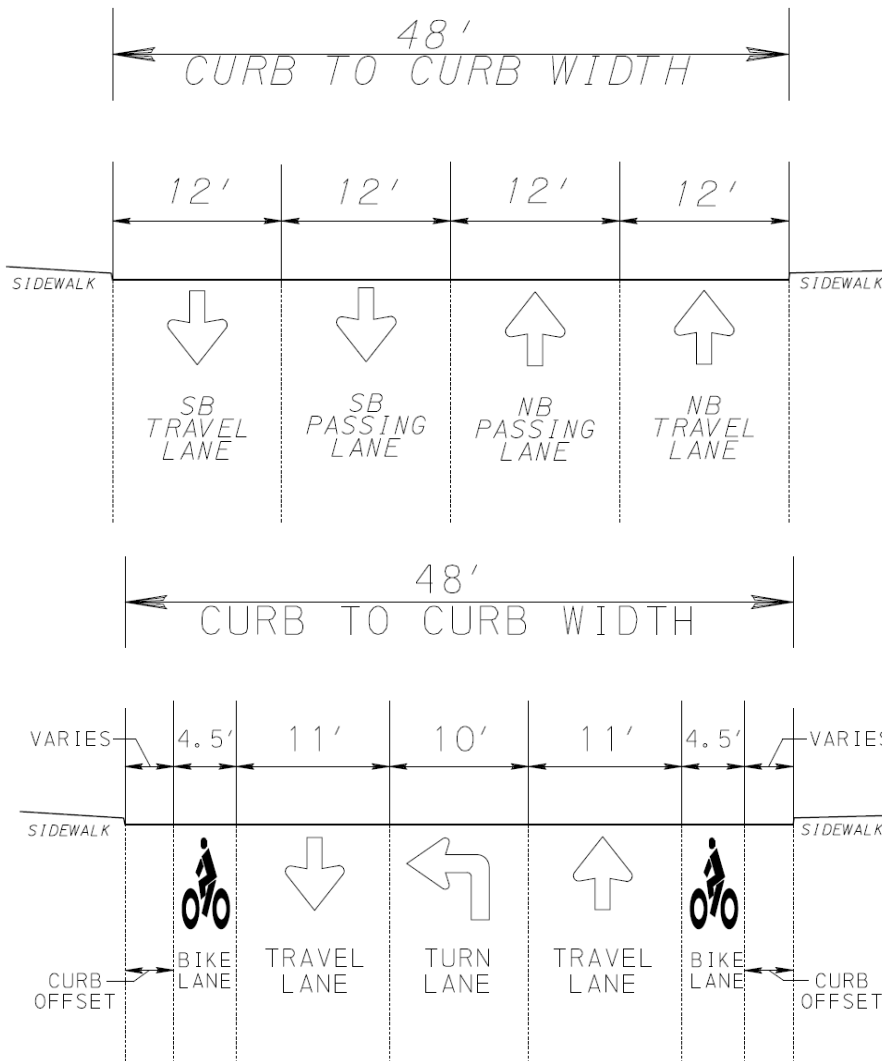


All new inlet grates in the roadway will be “Bicycle Safe” designs

- Grating is designed to avoid trapping a narrow bicycle tire.

"Road Diet" – Proposed Changes

3rd Street to 4th Street in Beaver Falls



Existing:

- Four travel lanes
 - Two thru lanes in each direction

Proposed:

- Three travel lanes
 - One thru lane in each direction plus left turn lanes at intersections
- Bike lane in each direction

"Road Diet" – Proposed Changes

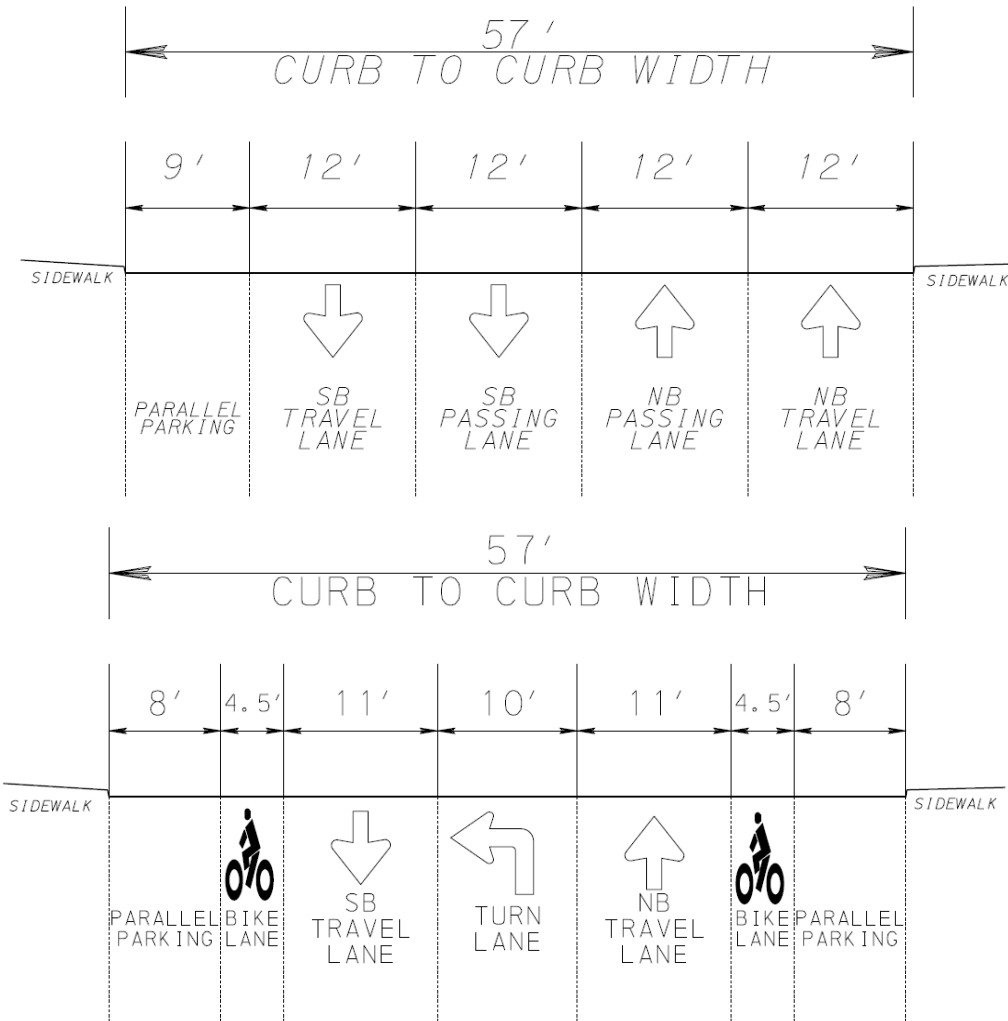
4th Street to 8th Street in Beaver Falls

Existing:

- Four travel lanes
 - Two thru lanes in each direction
- Parallel parking southbound

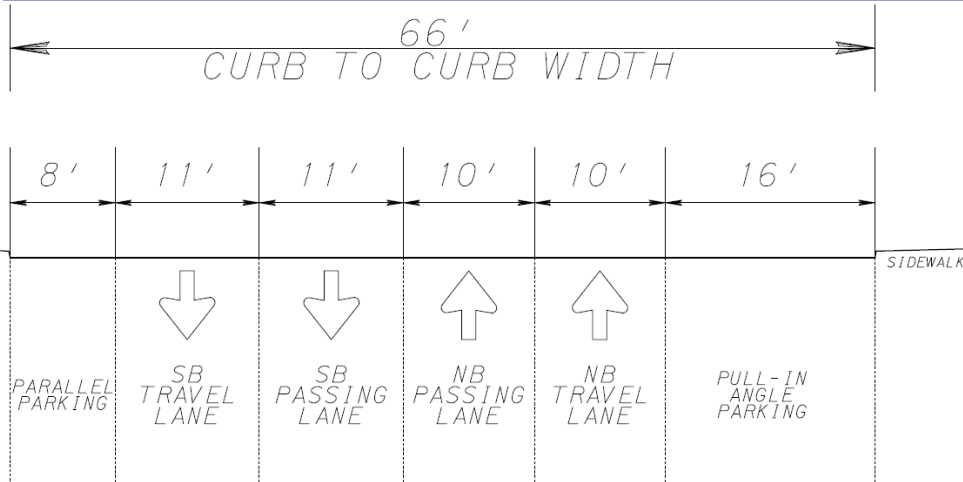
Proposed:

- Three travel lanes
 - One thru lane in each direction plus left turn lanes at intersections
- Bike lane in each direction
- Parallel parking northbound and southbound



"Road Diet" – Proposed Changes

8th Street to 20th Street in Beaver Falls



Existing:

- Four travel lanes
 - Two thru lanes in each direction
- Parallel parking southbound
- Pull-in angle parking northbound

Proposed:

- Three travel lanes
 - One thru lane in each direction plus left turn lanes at intersections
- Bike lane in each direction
- Parallel parking southbound
- Back-in (reverse) angle parking northbound
- Curb bump-outs at intersections

