

### **Neckdowns... (nubs, bulbouts, knuckles, intersection narrowings, corner buldges, safe crosses)**

Neckdowns are curb extensions at intersections that reduce the roadway width from curb to curb. They "pedestrianize" intersections by shortening crossing distances for pedestrians and drawing attention to pedestrians via raised peninsulas. They also tighten the curb radii at the corners, reducing the speeds of turning vehicles.

They are good for intersections with substantial pedestrian activity and areas where vertical traffic calming measures would be unacceptable because of noise considerations.

#### **Advantages:**

- Neckdowns improves pedestrian circulation and space
- Through and left-turn movements are easily negotiable by large vehicles
- They create protected on-street parking bays
- They reduce speeds, especially for right-turning vehicles

#### **Disadvantages:**

- Effectiveness is limited by the absence of vertical or horizontal deflection
- They may slow right-turning emergency vehicles
- They may require the elimination of some on-street parking near the intersection
- They may require bicyclists to briefly merge with vehicular traffic

#### **Effectiveness:**

- Average of 7% decrease in the 85th percentile travel speeds, or from an average of 34.9 to 32.3 miles per hour (combined average for various narrowing measures, taken from a sample of 7 sites)

#### **Similar Measures:**

- If a roadway is narrowed at a midblock location, you have a [Choker](#)
- Can be easily combined with a [Raised Intersection](#)

#### **Cost Estimate(s):**

- \$40,000 - 80,000 for four corners



**Eugene, OR** - This neckdown is combined with a Raised Crosswalk.



**Cambridge, MA** - These neckdowns slow vehicles approaching a bay of on-street parking.



**Jacksonville, FL** - This neckdown are combined with a raised, textured Intersection.

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**Sarasota, FL** - This neckdown is used to protect a crosswalk.

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