

Memorial Avenue (Route 147) / Union Street / Union Street Extension (West Springfield)

Union Street and Union Street Extension intersect Memorial Avenue (Route 147) to provide a four-way, fully-actuated signalized intersection. The Memorial Avenue (Route 147) eastbound and westbound approaches consist of an exclusive left-turn lane, a through lane, and an exclusive right-turn lane with directional flow separated by a marked centerline. The Union Street Extension northbound approach consists of an exclusive left-turn lane and a shared through / right-turn lane with directional flow separated by a marked centerline. The Union Street southbound approach consists of an exclusive left-turn lane, a through lane and a channelized right-turn lane with directional flow separated by a marked centerline. Sidewalks are provided along both sides of Memorial Avenue (Route 147) and along both sides of Union Street north of the intersection. Crosswalks are provided across all four intersection legs. Although pedestrian signals and push-buttons are provided on all crosswalks, the existing equipment is not MUTCD or ADA-compliant. In addition, the existing accessible ramps are not ADA-compliant.

Memorial Avenue (Route 147) / Bresnahan Street / Century Center Driveway (West Springfield)

Bresnahan Street and the Century Center Driveway intersect Memorial Avenue (Route 147) to provide a four-way, fully-actuated signalized intersection. The Memorial Avenue eastbound approach consists of a through lane and a shared through / right-turn lane with directional flow separated by a marked centerline. The Memorial Avenue (Route 147) westbound approach consists of a shared left-turn / through lane and a through lane with directional flow separated by a marked centerline. The Bresnahan Street southbound approach is one-way southbound and consists of an exclusive left-turn lane and a shared through lane / right-turn lane. The Century Center Driveway northbound approach consists of an exclusive left-turn lane and an exclusive right-turn lane with directional flow separated by a marked centerline. Sidewalks are provided along both sides of Memorial Avenue (Route 147) and Bresnahan Street. Although crosswalks with pedestrian signals and push-buttons are provided across the Memorial Avenue (Route 147) westerly and Bresnahan Street northerly legs, the existing pedestrian signal equipment is not MUTCD or ADA-compliant.

Memorial Rotary (West Springfield)

The Memorial Rotary carries Route 147 over Riverdale Street (US Route 5) along the western bank of the Connecticut River in West Springfield. The four-legged rotary serves as the intersection of Memorial Avenue (Route 147) and the Memorial Bridge with the on- and off-ramps to Riverdale Street (US Route 5). Through movements along Riverdale Street (US Route 5) travel under the rotary on a four-lane, divided highway. The North End Rotary is approximately 350-400 feet in diameter with a circulation width of approximately 43 feet. Although the circulation lane is unmarked, the rotary was observed to operate with two circulation lanes at times of peak congestion and queues.