



Strafford Square Intersections Improvements

Rochester, NH

The Strafford Square intersection had long been one of the City's highest priority transportation projects. Located in downtown Rochester, the Strafford Square project reconfigured the intersections of North Main, Walnut, and Washington streets into a multi-lane roundabout to improve traffic flow and driver and pedestrian safety. The existing intersection layout, site constraints, and volume of traffic created a situation that required an innovative and unique design to succeed. To address these concerns while accommodating the complex physical constraints, the Stantec Team's design centered around an efficient modern, multi-lane roundabout that would minimize adverse impacts to adjacent properties.

This complex project included the construction of a modern multi-lane roundabout; relocating the aerial utility lines underground; new stormwater infrastructure including an underground infiltration system, water and sewer utility upgrades and replacements; and new ornamental street lighting, Rapid Rectangular Flashing Beacons. This project was constructed in two phases. The first relocated the existing aerial lines underground, along with associated improvements to existing water, sewer and drainage infrastructure. The second phase replaced the heavily skewed, dangerous intersection with a modern multi-lane roundabout.

As the City's highest priority intersection project, the opening of the new roundabout was a major achievement. The project transformed one of the City's biggest problem intersections with a new, safe roundabout that processes the traffic flow, allows for multi-modal access, and provides an attractive gateway to the downtown. It is also a template that will allow the City to move forward with other roundabout installations in the City and spur the next phase of construction along the corridor; the "Gap" project, a complete streets project that will connect the new roundabout to the City's growing downtown core.

