

INGERSOLL AVENUE RECONSTRUCTION (POLK BOULEVARD TO 42ND STREET)

DES MOINES, IOWA



PROJECT DESCRIPTION

To comply with the City of Des Moines' Complete Streets Policy and meeting current traffic and parking needs, McClure was selected to perform a Corridor Evaluation Traffic Study from Polk Boulevard to 42nd Street along Ingersoll Avenue in the City of Des Moines. As part of the study, McClure performed traffic data collection, traffic forecasting, reviewed multi-modal transportation needs, parking analysis, developed corridor improvement alternatives, evaluated each alternative, and provided a recommendation for improvements. The study found that the existing two-way left-turn lane was unnecessary to meeting turning movements and that peak parking along the corridor could be accommodated with parking on only the north side of Ingersoll Avenue. The new roadway section will reduce the crossing distance to improve pedestrian safety. The existing bike lanes were not buffered and did not meet the Complete Streets Policy.

Upon completion of the study, McClure implemented the improvement recommendations into a design and plans for bidding. The design included pavement reconstruction with buffered bike lanes, on-side street parking with permeable pavers, ADA compliant sidewalks, driveways, cement treated subgrade, storm sewer, subdrain, water main, retaining walls, stairs, traffic signal upgrades, and erosion control. Additionally, to complete the project, multiple temporary easement acquisitions and plats were developed.

Project coordination was necessary to the success of this project. This included continuous project coordination between Des Moines Rapid Area Transit (DART) as this is bus route, Des Moines Water Works (DMWW), City of Des Moines staff, and local residents.

COMPLETION DATE

November 2021

REFERENCE

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PROJECT HIGHLIGHTS

- Traffic Impact Study that determined proposed and future improvements, including necessary updates to traffic signalization that optimized traffic efficiency within the corridor, inclusion of buffered bike lanes along the project limits, and strategic determination of necessary parking.
- Development of detailed plans for the reconstruction of Ingersoll Avenue from Polk Boulevard to 42nd Street, including new roadway and buffered bike lane pavement, permeable pavers in parallel parking stalls, storm sewer, retaining walls, ADA compliant sidewalks, signal timing improvements, and maintaining corridor access throughout construction.