

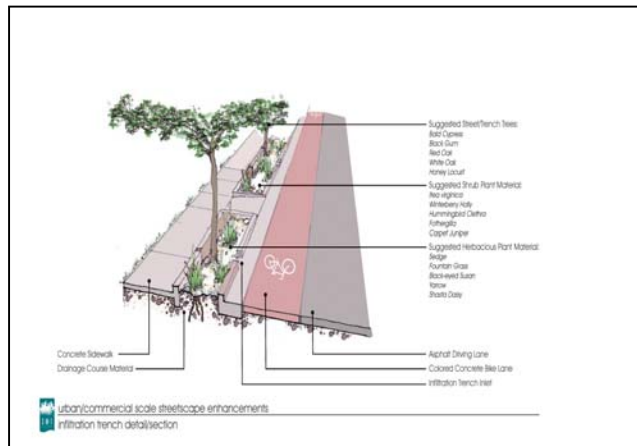
4th Street Sustainable Community Redevelopment Plan

Hellmuth + Bicknese, DeKalb, Illinois

4th Street is the main entrance into DeKalb, Illinois from the south. The project corridor is a 5-lane principal arterial is home to a mix of industrial, institutional, commercial and residential properties. Due to low traffic volumes and lack of 4-way intersections, the corridor is a “speedway” that creates a dangerous atmosphere for pedestrian traffic.

The 4th Street Sustainable Community Redevelopment Plan conceptually redesigned 4th Street to a two-lane roadway with dedicated bike lanes, separated sidewalks, tree lawns and a planted center median.

The design provides traffic calming, integrated bicycle and pedestrian transit, creates a safe route to school for area children, and incorporated natural stormwater management and green streets.



identifying and locating storm water facilities including water quality Best Management Practices such as bio-retention cells and under pavement infiltration systems.



DeKalb is centrally located in the existing state-wide bike trail system in Northern Illinois, and directly connected to St. Charles, connecting to the wider regional system by means of the Fox River Trail. With this conceptual redesign of 4th Street, the potential is there for DeKalb to become a trailhead for the Grand Illinois Trail System.

Intuition and Logic is the team civil engineer responsible for conceptual roadway and intersection design, and for