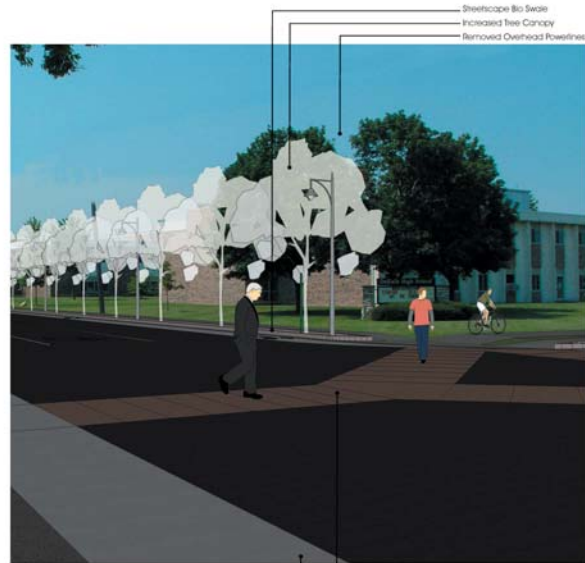


## 4<sup>th</sup> Street Sustainable Community Redevelopment Plan

Hellmuth + Bicknese, DeKalb, Illinois

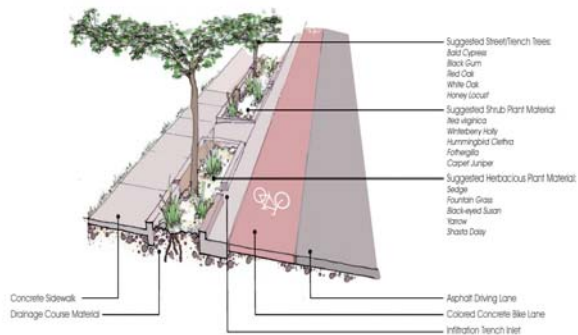
4<sup>th</sup> Street is the main entrance to DeKalb, Illinois from the south. The project corridor is a 5-lane principal arterial bounded by Taylor Street to the north and Fairview Street on the south. The corridor contains a mix of industrial, institutional, commercial and residential properties including Lincoln Elementary School, Huntley Middle School and Dekalb High School. 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 4<sup>th</sup> Street Sustainable Community Redevelopment Plan conceptually redesigned 4<sup>th</sup> 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. Intuition & Logic is the team Civil Engineer responsible for conceptual roadway and intersection design, and for identifying and locating storm water facilities including water quality Best Management Practices such as bio-retention cells and under pavement infiltration systems. The water quality components were also incorporated into the proposed Form Based Codes for the new corridor.



Colored Concrete Bike Lane  
Special Paving Crosswalk

4<sup>th</sup> Street + Barb Boulevard  
gateway intersection + crosswalk perspective view



urban/commercial scale streetscape enhancements  
infiltration trench detail/section