

## Lincoln Parks Stream Stability Assessment

City of Lincoln, Nebraska

The Lincoln Parks Stream Stability Assessment project was commissioned by the City of Lincoln to provide guidance for their public works budget and to enable the City to set priorities for stream projects requiring design and construction. Five project reaches were included: Antelope, Taylor, Herbert, and Roper Parks, along with an area of local channel instability near Calvert and Stockwell Streets. The City had observed channel and bank instability at these sites. Intuition & Logic conducted a geomorphic analysis to differentiate erosion problems that stemmed from systemic incision and channel widening, versus problems that resulted from localized disturbances, such as scouring at channel hard points or concrete liners.

Management recommendations and preliminary intervention designs were developed based upon our analysis. Recommendations included composite revetments, crib walls, fabric and plant slopes, vegetated riprap, grade controls, step pools, and stilling basins.

