NDOR
Nebraska Department of Roads

July 8, 2003

City of Lincoln

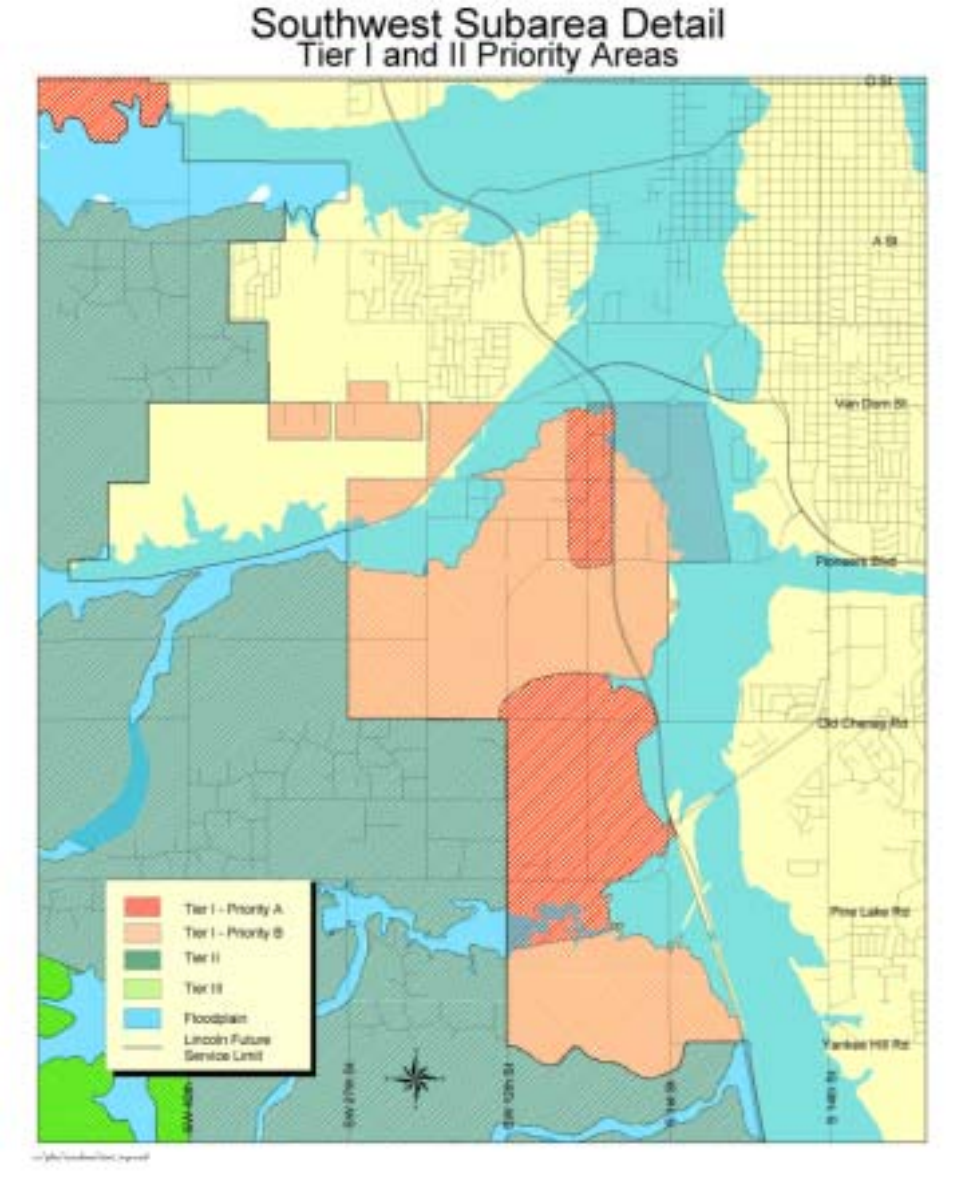
Highway 77

Traffic Analysis and Conceptual Design

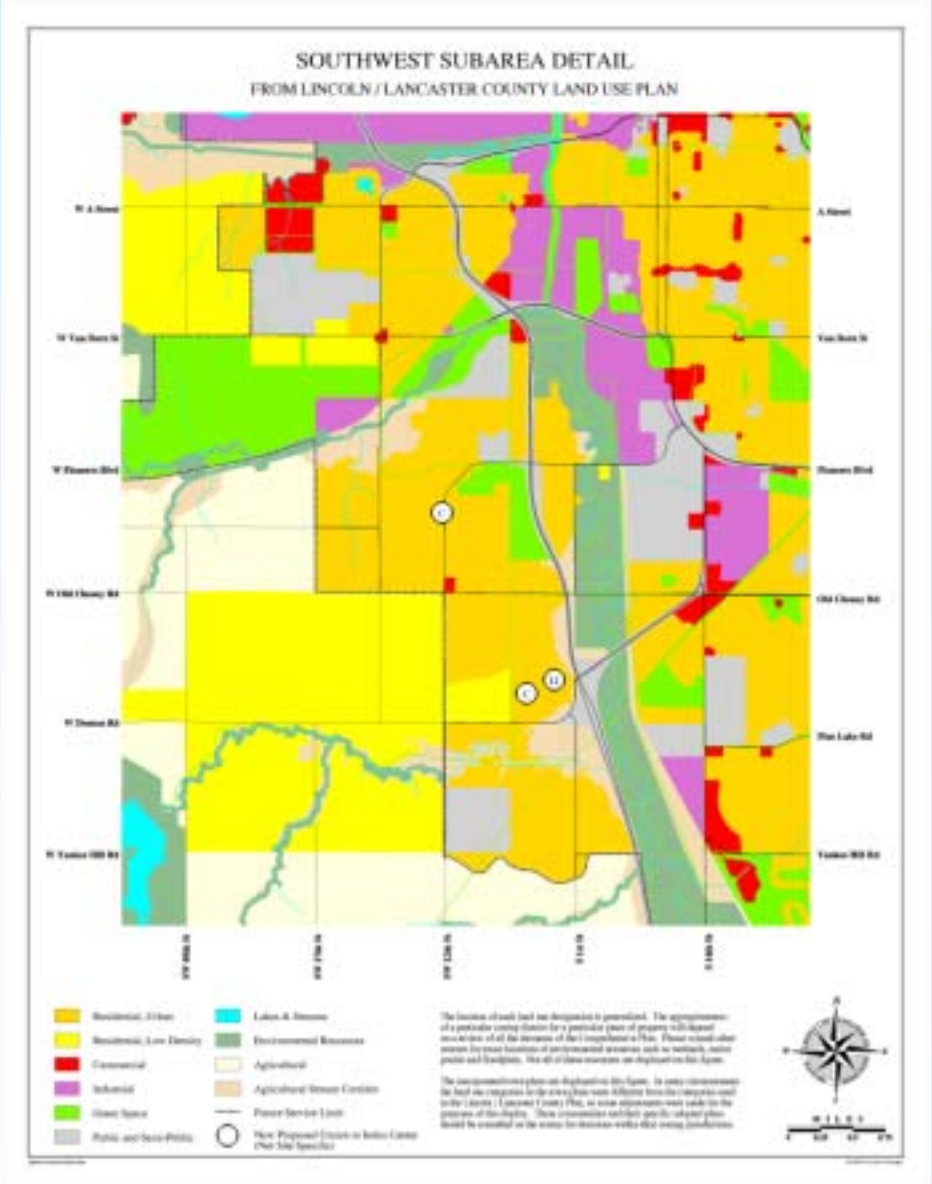
Presented to :
City of Lincoln/Lancaster County Commons

OLSSON ASSOCIATES
ENGINEERS • PLANNERS • SCIENTISTS • SURVEYORS

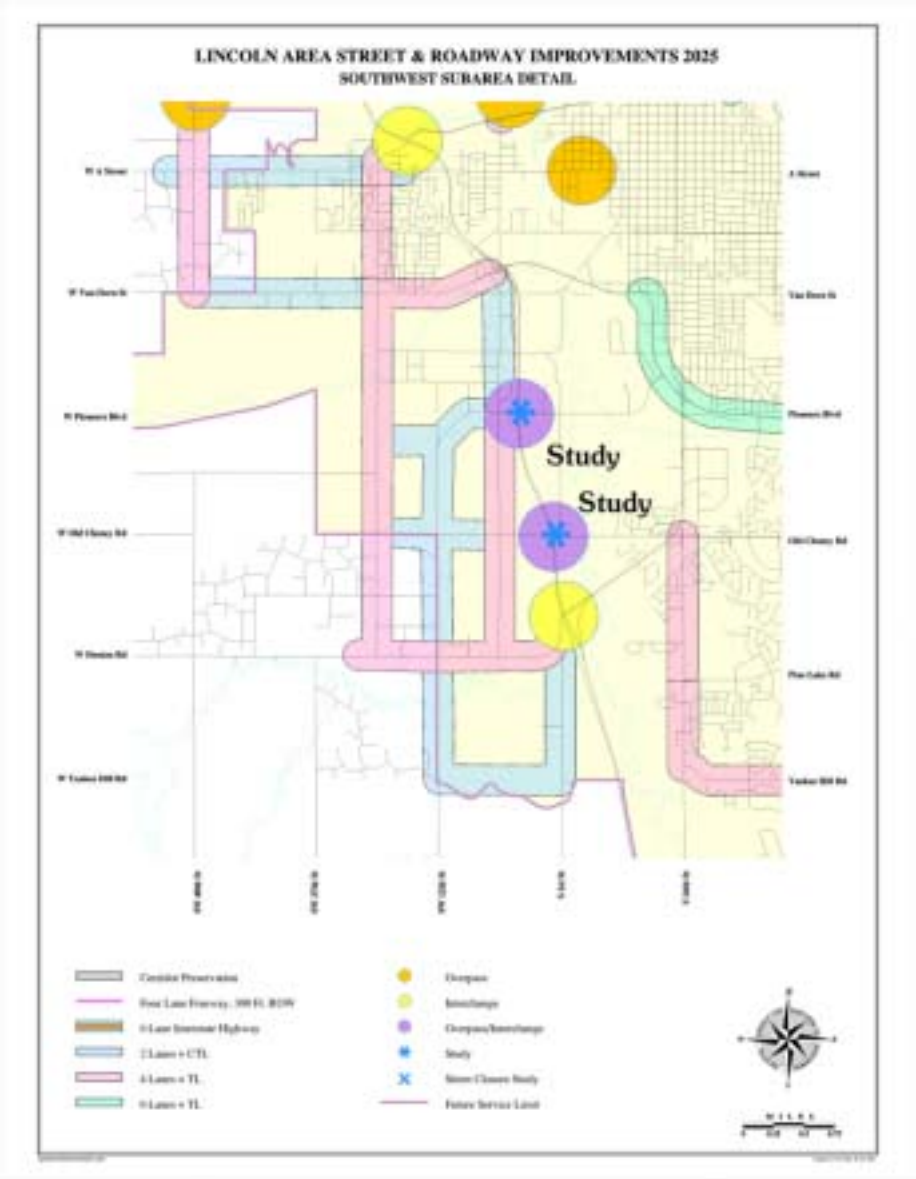
Southwest Subarea Detail



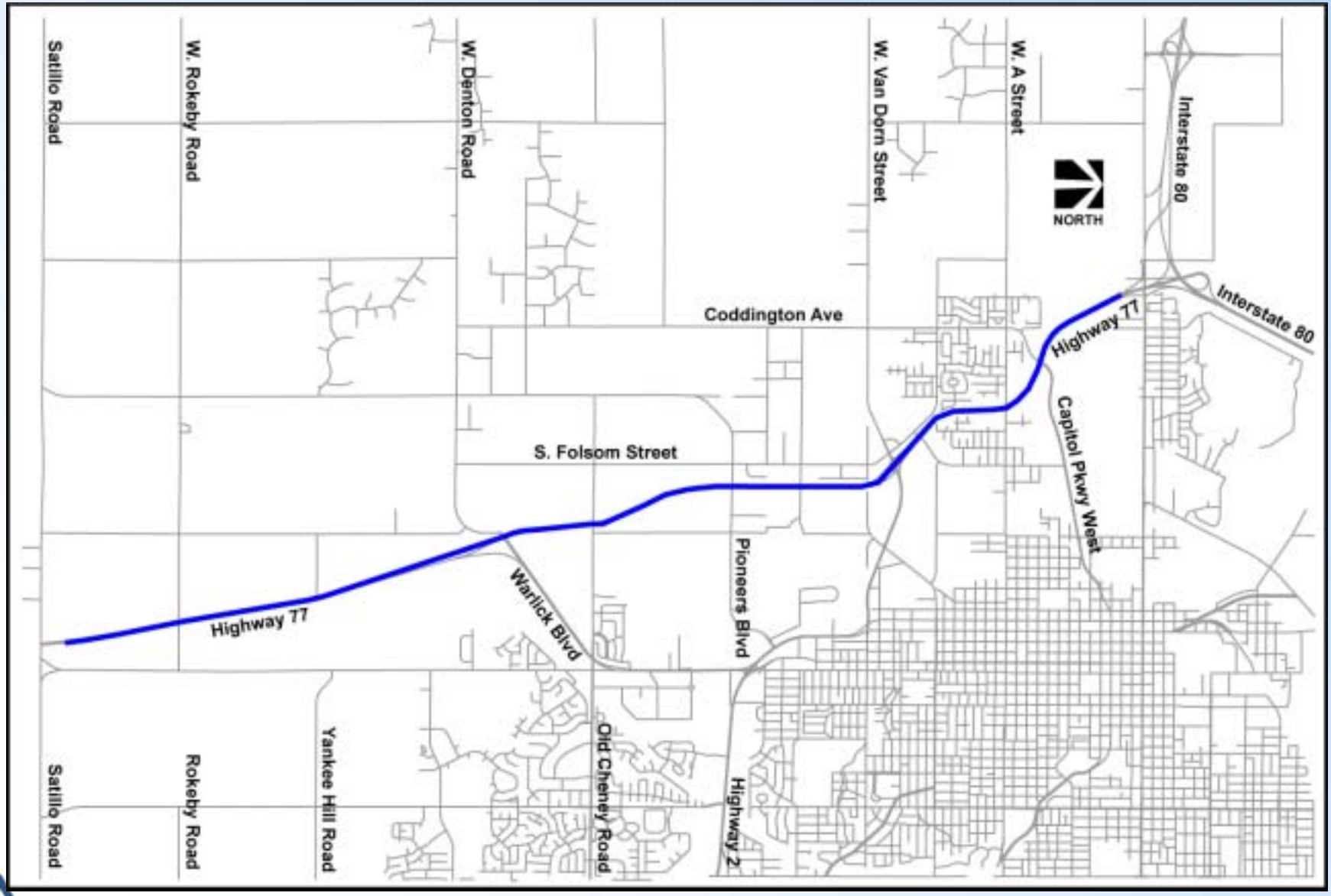
Southwest Subarea Detail



Lincoln Area Street & Roadway Improvements

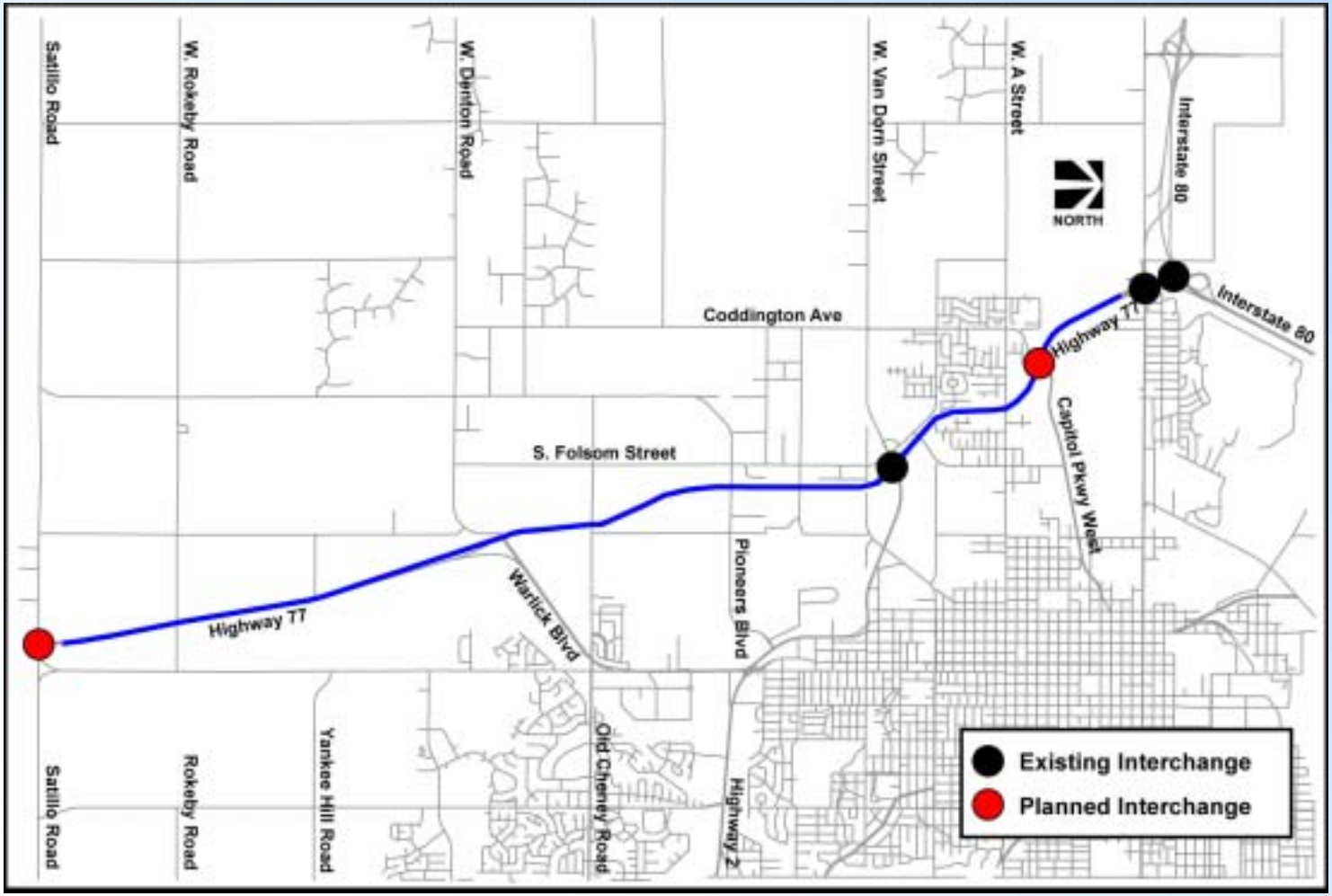


Corridor Limits

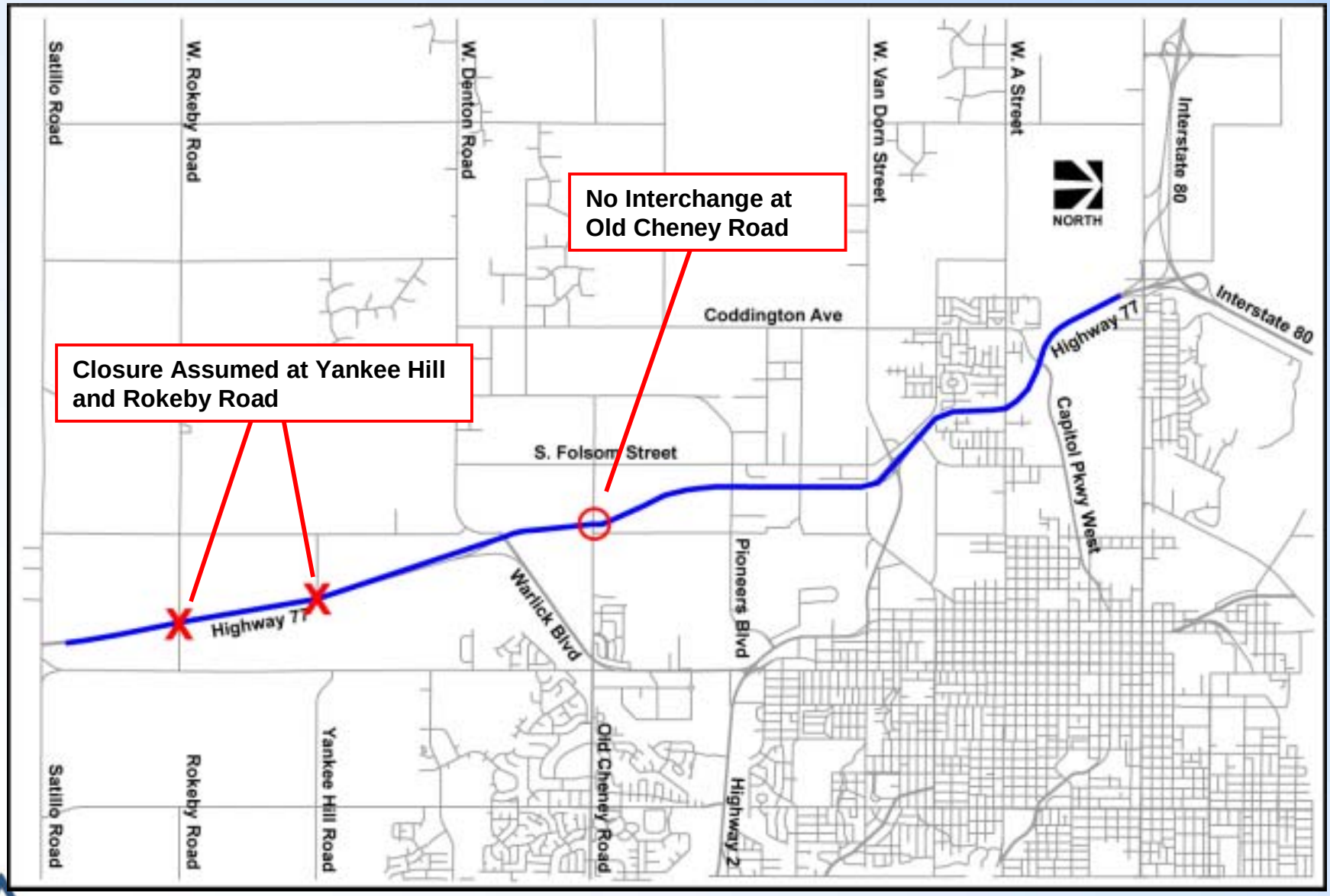


Study Objective

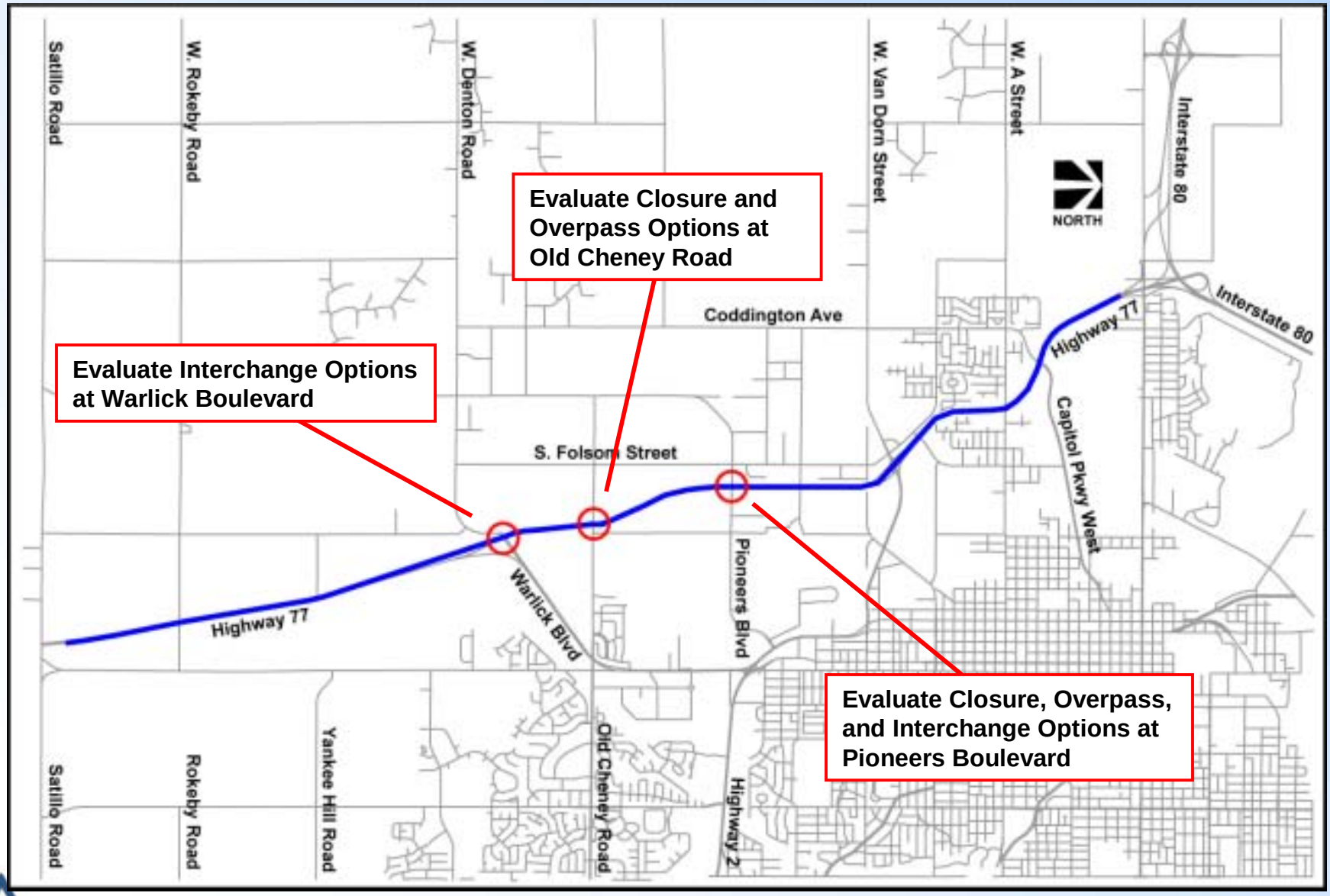
- Define corridor protection along Highway 77 to upgrade to freeway status



Key Study Assumptions



Study Objective



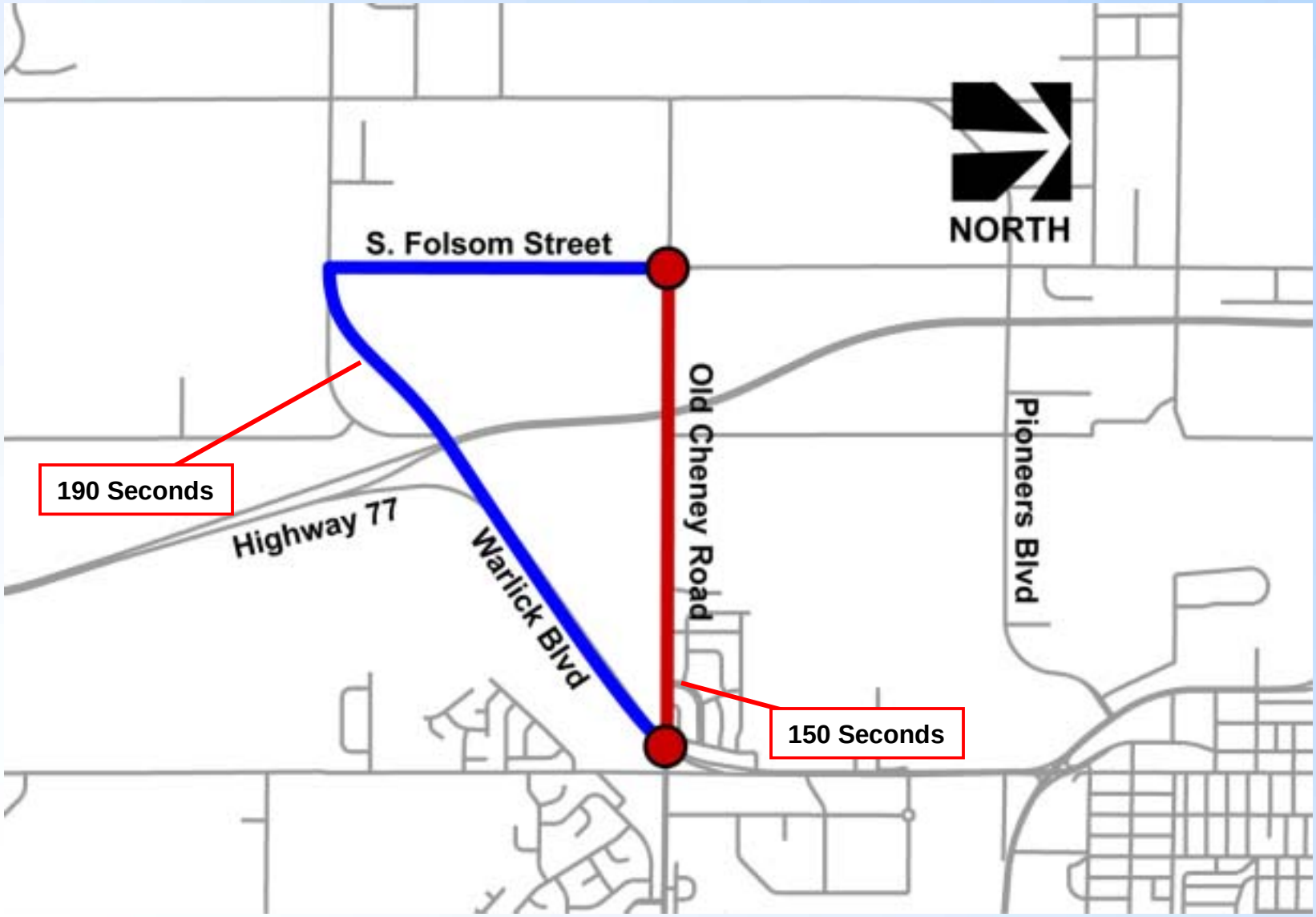
Justification for No Interchange at Old Cheney Road

- Not Required to Provide Acceptable Levels of Service
- Insufficient Spacing between Warlick Boulevard and Old Cheney Road
- Safety/Railroad Conflicts
- Salt Creek Flood Plain Impacts
- Environmental Impacts to Wilderness Park

Old Cheney Road – Travel Time Difference

- Not Required to Provide Acceptable Operations
- Redundant Route
- Minimal Travel Time Difference

Old Cheney Road – Travel Time Difference

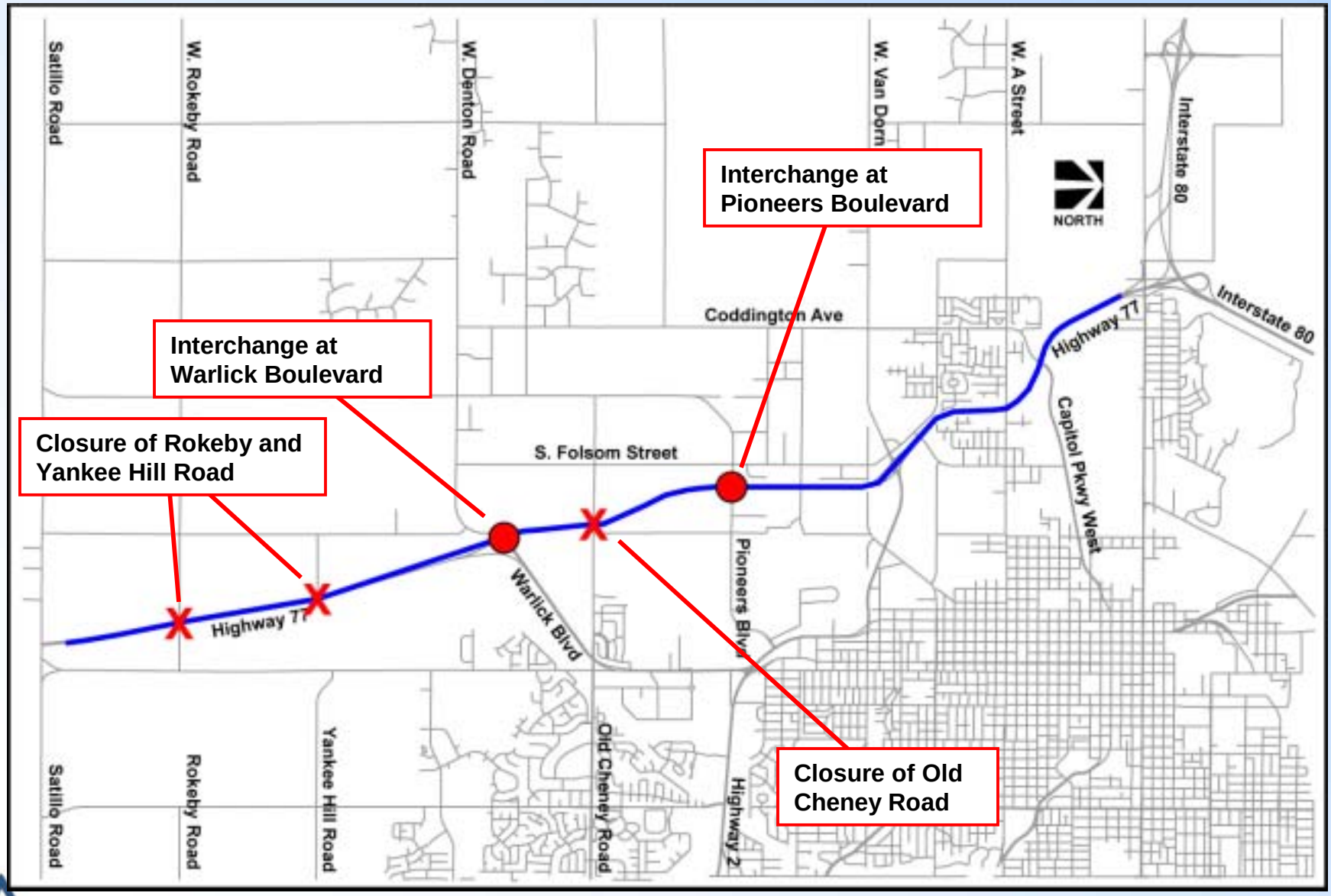


Old Cheney Road – Railroad Conflicts

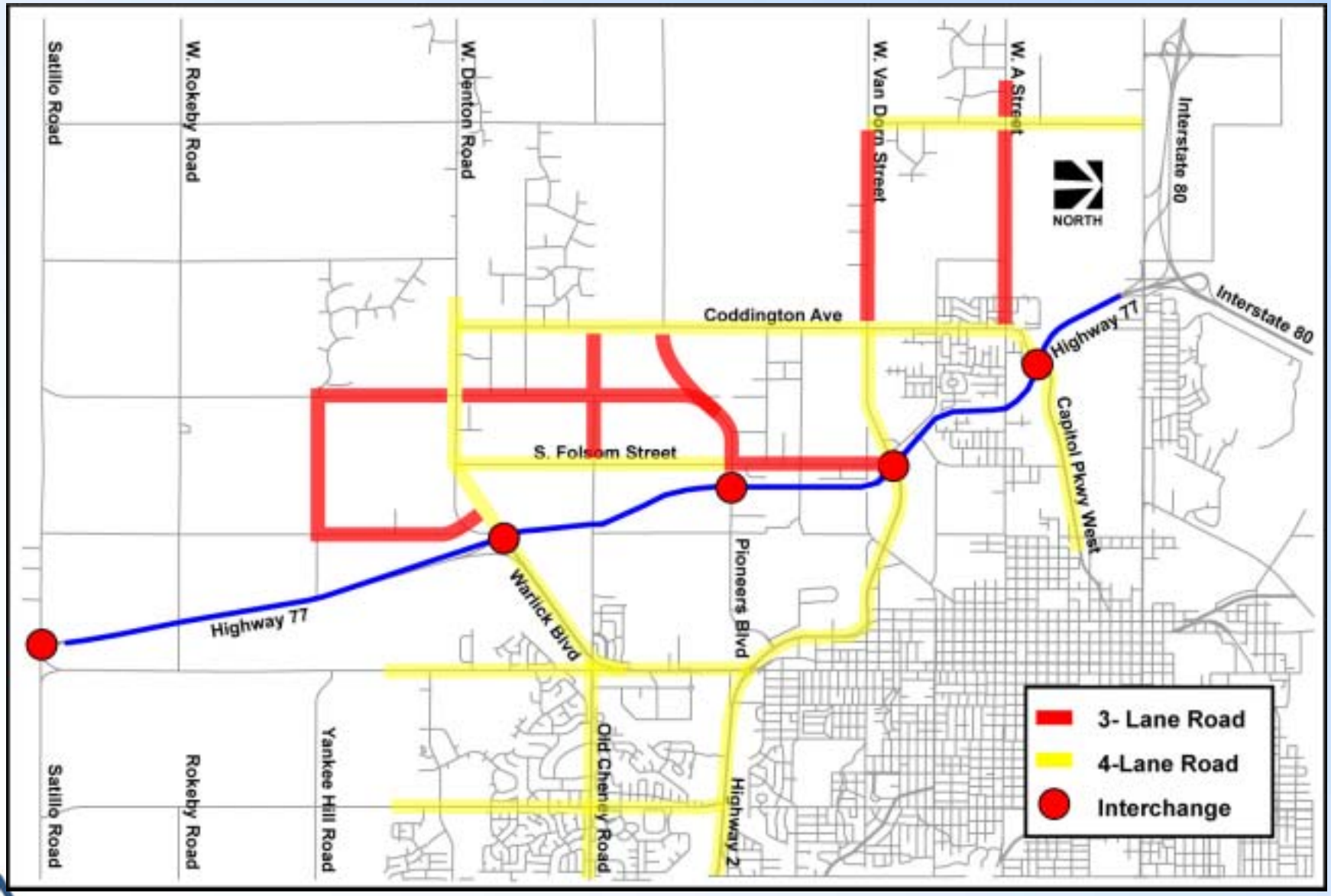
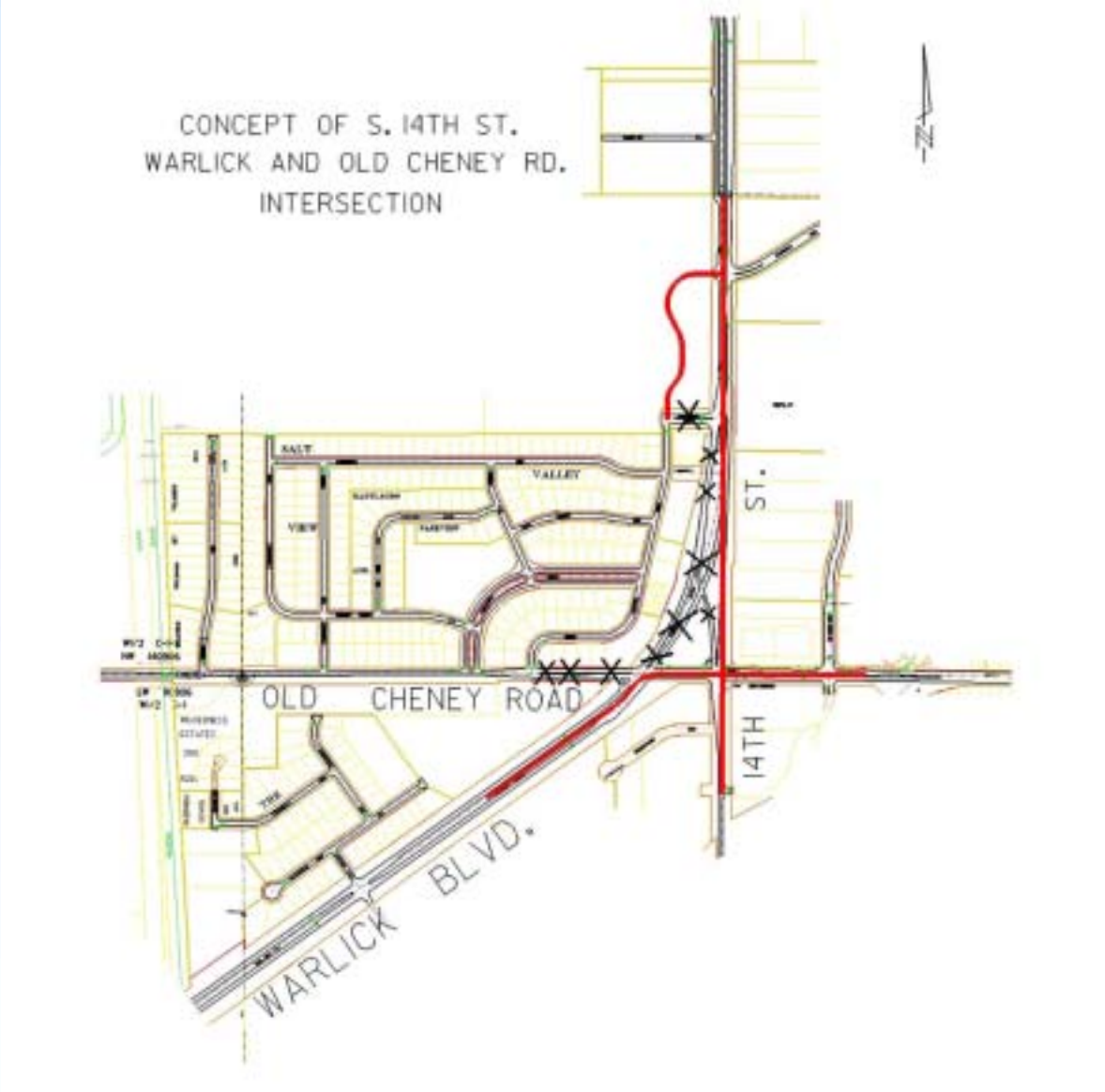
- 40 Trains per Day Existing
- Blocked 400 Minutes (28%) of Day Today
- 50 Trains per Day in 2004
- Blocked 500 Minutes (35%) of Day in Future

Old Cheney Road – Flood Plain & Environmental Impacts

Study Recommendations



Existing and Planned 3- and 4-Lane Roads



Old Cheney Road – Plans for 14th & Warlick Intersection