I-85 Improvements

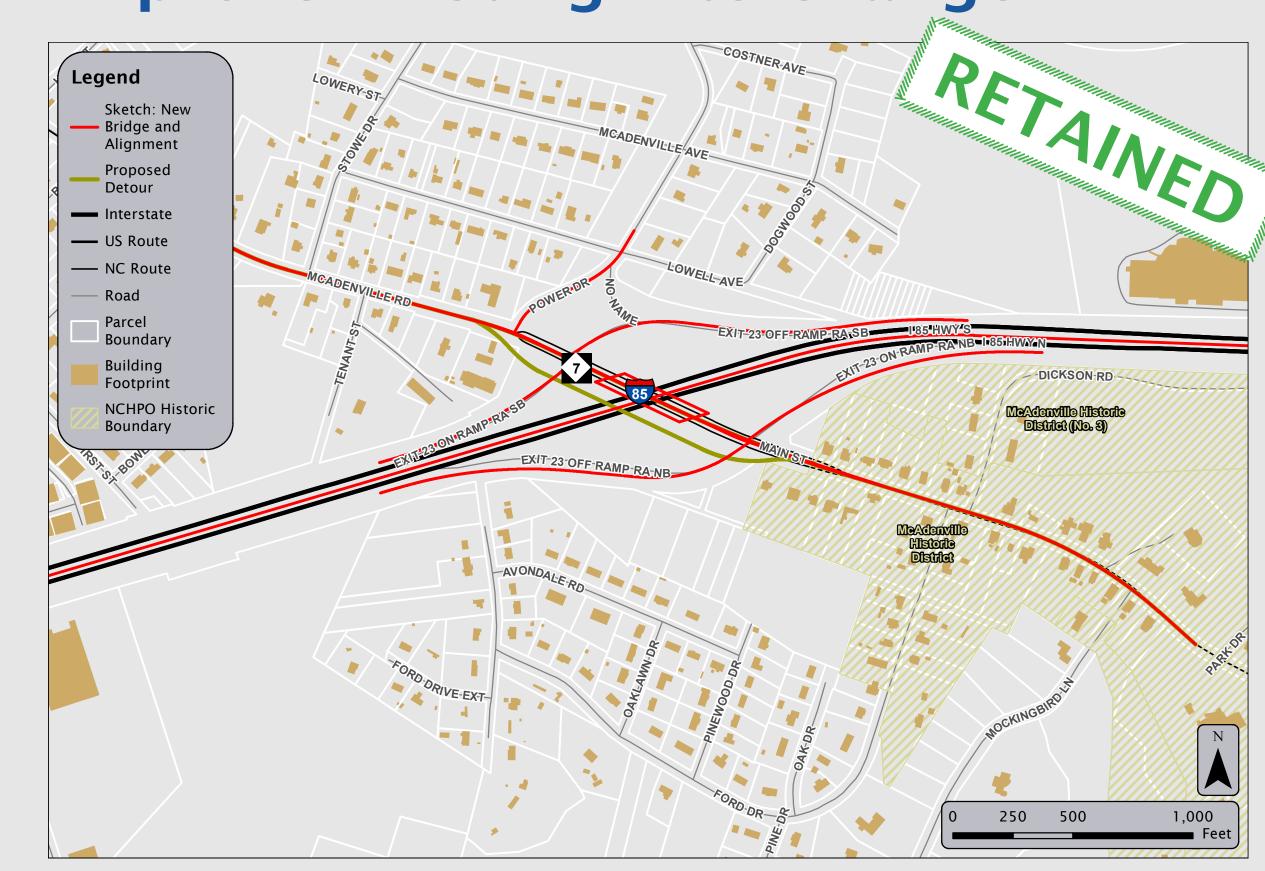
STIP Project Nos. I-5719/U-3608/U-5800 | Gaston County

McAdenville Road (Main Street/N.C. 7) Interchange

Exit 23, Bridge 350073

Initial Options

Improve Existing Interchange



- · Signalized intersections operate with acceptable delay. · Additional left turn storage may be needed on the bridge
- to accommodate projected queues in the future year.
- · The ramp intersection skews are not ideal based on today's standards, but it is cheaper to keep the existing substandard skew.
- · Would remove slip lane from southbound exit ramp to Power Drive.
- Detour bridge would result in additional impacts to streams and McAdenville Historic District.

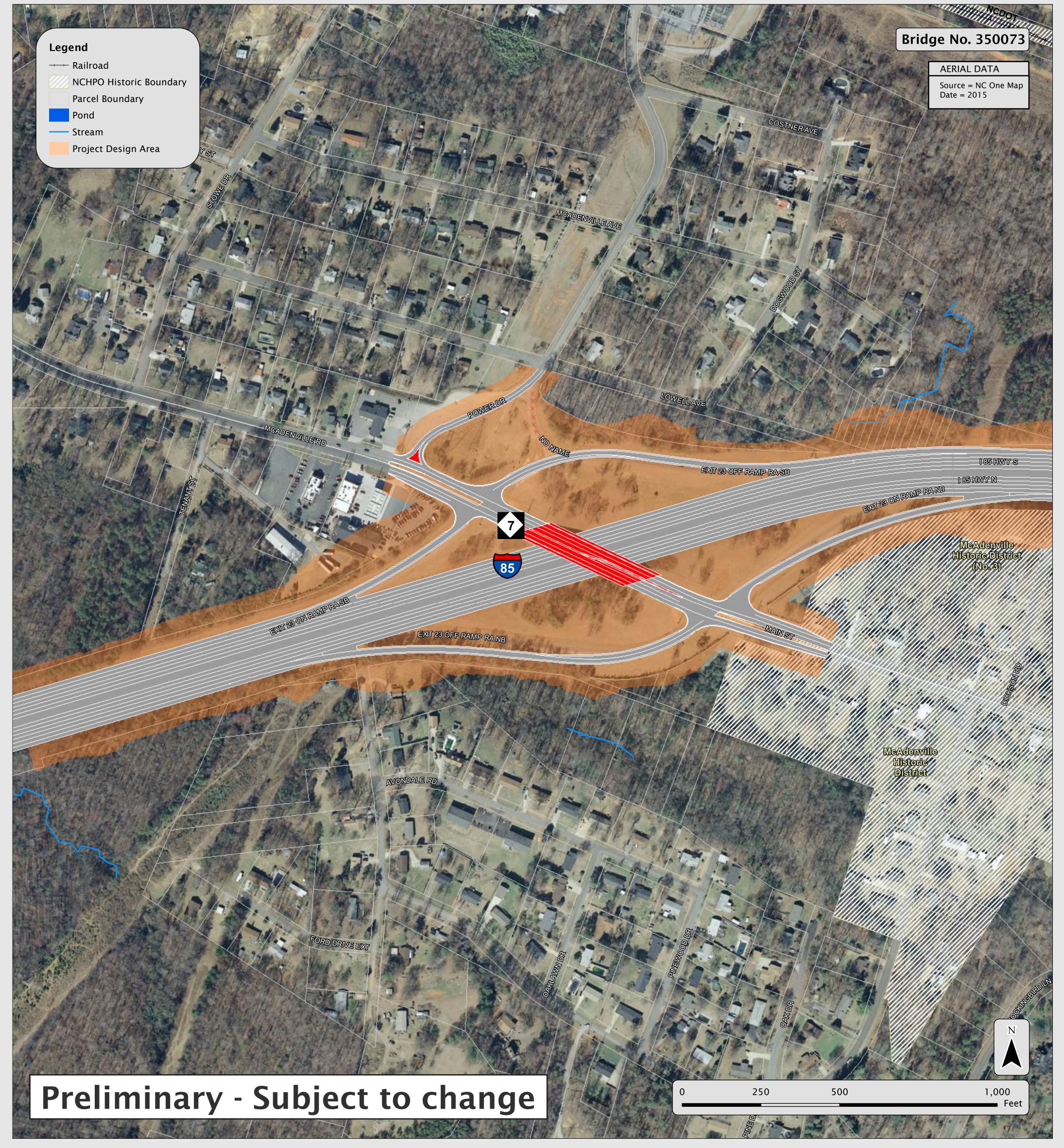
Diverging Diamond Interchange (DDI)



- · DDI operates with less overall delay than the improve existing option. Signalized intersections operate with acceptable delay.
- · Higher potential for residential and commercial relocations due to DDI bulbs.
- Longer/More impacts along McAdenville Road due to length needed for DDI bulbs.
- · DDI provides a smoother travel path through the
- Would remove slip lane from southbound exit ramp to Power Drive.
- · Would require closure or realignment of Power Drive.

Concepts Recommended for Further Study

Improve Existing Interchange



Diverging Diamond Interchange (DDI)

