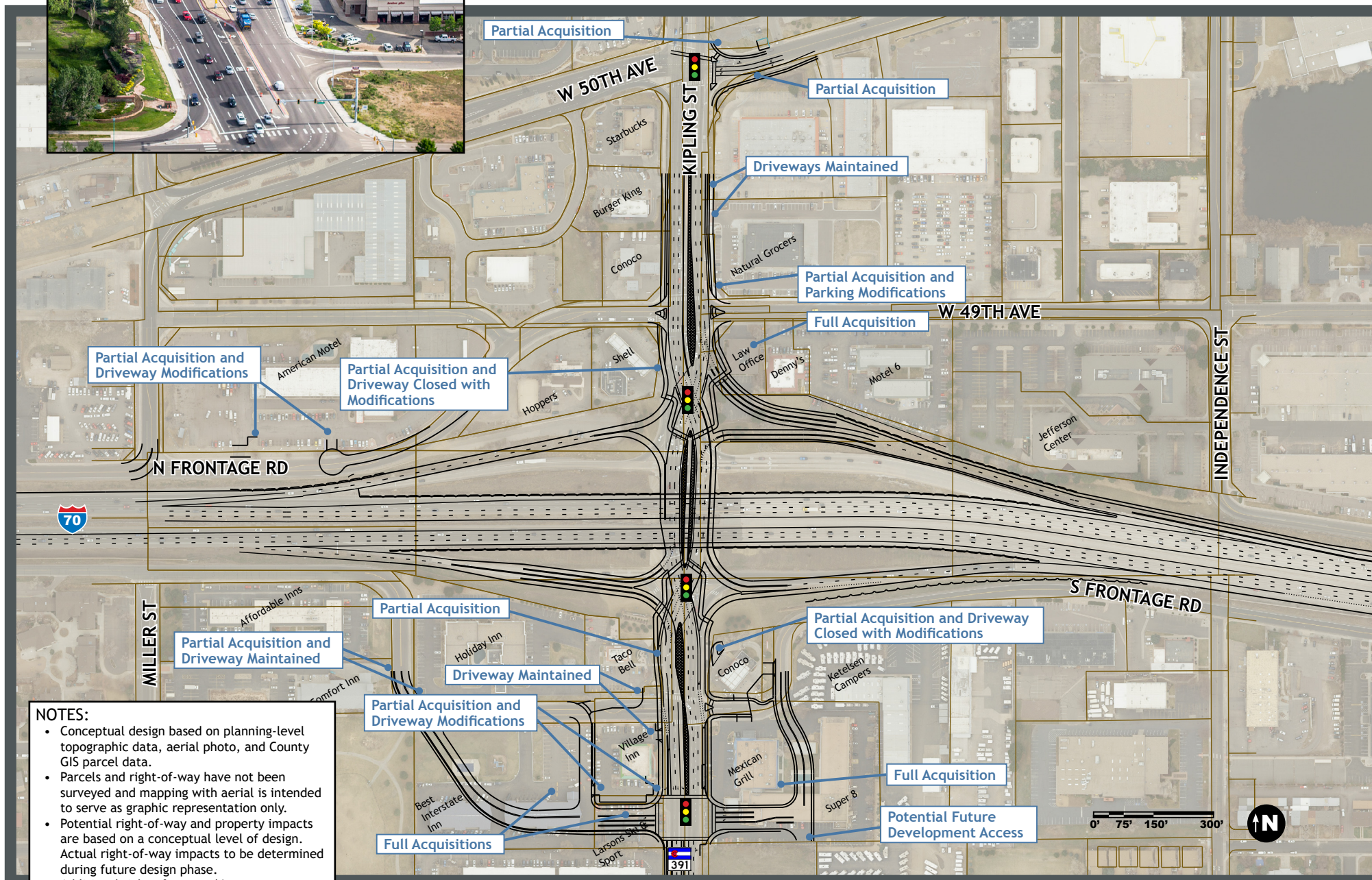


SUMMARY: Recommended as Preferred Alternative

- More operational and safety benefits than other alternatives
- Impacts to area business access and properties similar to Traditional Diamond Interchange alternative



NOTES:

- Conceptual design based on planning-level topographic data, aerial photo, and County GIS parcel data.
- Parcels and right-of-way have not been surveyed and mapping with aerial is intended to serve as graphic representation only.
- Potential right-of-way and property impacts are based on a conceptual level of design. Actual right-of-way impacts to be determined during future design phase.
- Additional right-of-way and/or easements may be required for slope, drainage, utilities, and/or construction.

POST-PEL STUDY EVALUATION

Optimize operations and reduce congestion

- Directional interchange layout, but with limited familiarity in Denver metro area
- Improved merge/diverge operations
- Improved interchange ramp and intersection operations

Improve traveler safety

- Substantial safety benefits due to reduction in congestion and less conflict points
- Controlled pedestrian crossings to center median of interchange would further decrease conflicts

Accommodate multimodal connections

- Shared use paths and bicycle lanes directly through the interchange
- No signalized crossing at 49th Avenue results in some out-of-direction travel for pedestrians and bicyclists

Avoid and minimize community impacts

- Moderate impacts to community with direct access to 49th Avenue reduced and South Frontage Road access moved farther south
- Four potential full property acquisitions and moderate partial acquisitions

Maximize constructability

- Relatively high property acquisition costs (\$10-15 million), but total interchange cost (\$55-65 million) consistent with other alternatives
- Constructability moderately difficult due to geometric changes with tight staging area constraints
- Potential for short-term ramp improvements, but crossover intersections with bridge must be constructed at once