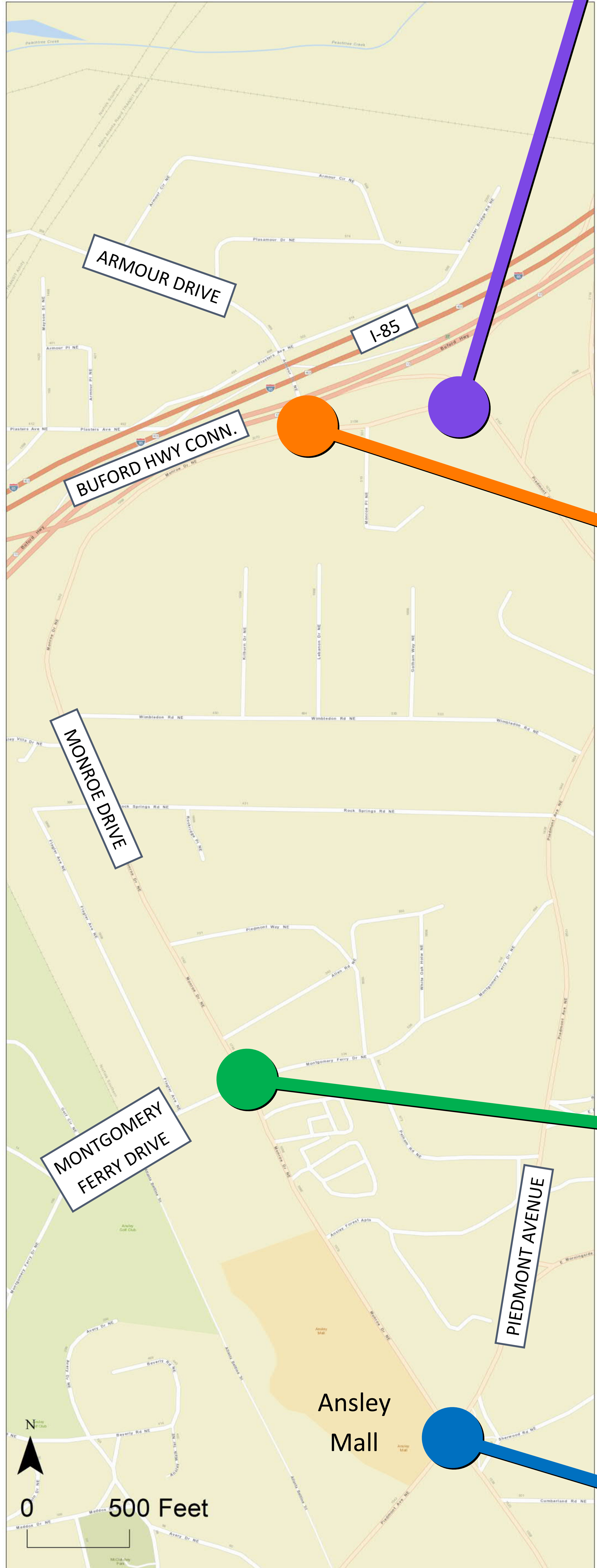


Monroe Drive / Boulevard Complete Streets: Improvement Opportunities



Piedmont Circle to Piedmont Avenue



Preliminary Design Concepts

Benefits & Impacts

Comments and Concerns Addressed

Monroe at Buford Highway Connector
Restripe as Inside Left Turn Lane and Add Crosswalks

- Alternative Modes:**
- Crosswalk added
- Safety:**
- Conversion of left lane into exclusive left turn bay
 - Potential to reduce vehicle crashes by 15%*
- Performance:**
- Increase in eastbound delays by one minute in the AM peak hour
- Constructability:**
- Plausible within existing right-of-way

- MONROE DRIVE AT BUFORD HWY CONNECTOR**
- Create safer pedestrian and bicycle crossings (Public Comment)

Monroe Drive at Armour Drive
Restripe Intersection to Improve Lane Alignments

- Alternative Modes:**
- Sidewalk added to northeast
- Safety:**
- Increase in lane width from 9 to 12 feet
 - Potential to reduce vehicle crashes by 25%**
- Performance:**
- Negligible impacts on capacity or vehicle travel times
- Constructability:**
- Plausible within existing right-of-way

- MONROE DRIVE AT ARMOUR DRIVE**
- Increase lane widths on Monroe Drive between the Buford Highway Connector ramps and Armour Drive (Public Comment)
 - Address congestion at Monroe at Armour Drive (Public Comment)

Roundabout at Armour Drive Roundabout

- Alternative Modes:**
- Slows vehicles moving through intersection
- Safety:**
- Potential to reduce vehicle injury collisions by 60%*
- Performance:**
- Significant decrease in southbound delays
 - Increase in eastbound delay within acceptable limits
- Constructability:**
- Potential impacts to right-of-way and bridge

Monroe Drive at Montgomery Ferry Road
Widen and Restripe Intersection to Improve Lane Alignment

- Alternative Modes:**
- Lengthened crosswalk on east side of intersection
- Safety:**
- Shifts lane alignment to meet driver expectancy design standards
 - Improves safety at a site of previous collisions
- Performance:**
- No impacts on capacity or vehicle travel times
- Constructability:**
- Potential impact in northeast corner

Monroe Drive at Ansley Mall
Sidewalk and Access Management Improvements

- Alternative Modes:**
- Reduced pedestrian / vehicle conflicts
- Safety:**
- Potential to reduce vehicle crashes by up to 72%***
 - Ability to add pedestrian refuge islands with shorter crossing distances
- Performance:**
- No impacts on capacity or vehicle travel times
- Constructability:**
- Plausible within existing right-of-way

- MONROE DRIVE AT PIEDMONT AVENUE**
- Improve pedestrian walkways (Public Comment)
 - Repair broken sidewalks, mitigate unsafe sidewalk areas, and make sidewalks ADA compliant (Public Comment)

* Highway Safety Manual (AASHTO, 2010)
 ** Estimating the Safety Effects of Lane Widths on Urban Streets in Nebraska Using the Propensity Scores-Potential Outcomes Framework (Wood et al., 2015)
 *** Analysis of Crossing Path Crashes (U.S. Department of Transportation, July 2001)