

University Avenue

City Council Update

1-21-2020



AECOM



Agenda

- Technical Memo Summary & Recommendations
 - Speed
 - Lane Configuration
- Addition of Trailhead Parking – Update Since Previous Council Work Session 12-16-19
- Tentative Project Schedule



Technical Memo Summary

- Traffic Study/Environmental Assessment Recommendations-Approved 2013
 - Speed Limit – 45 mph
 - 4-Lane Configuration
- Concept Design/Recommendations-Council Approved August 2017
 - Speed Limit – 35 mph Midway to Access B / 45 mph Access B to Hwy 63
 - 4-Lane Configuration
- Concept Design Update-Council Approved July 2018
 - Fletcher Roundabout
 - Enhancements
- Speed Limit Ordinance Change-Council Approved Oct 2019
 - Speed Limit – 35 mph from Midway to Access B (Tunis)



Technical Memo – Speed Limit

- Speed Limit
 - Design Considerations:
 - Rolled Curbs (35 mph) & Sloped Curbs (45 mph)
 - Speed Limits Set Typically by 85th Percentile (Enforceability issues when not utilized)
 - 2019 Speed Study (City) 85th Percentile-45 mph for Ansborough to Hwy 63
 - Midway to Tunis - Increased Conflict Points
 - Increased Access - 5-lane typical cross section – Midway to Progress
 - Existing Direct Driveway Connections
 - Rolled Curb Constructed (Phase 2)
 - Tunis to Hwy 63 - Fewer Conflict Points
 - Access Management/Frontage Roads
 - Minimal Direct Driveway Connections
 - Sloped Curb Constructed (Phase 1)



Technical Memo – Lanes

- Lane Configuration
 - 4-Lane Configuration – Fletcher to Hwy 63
 - Environmental Assessment Recommendation
 - Corridor Consistency
 - 4-Lane Configuration (2-Lanes in each direction) from Hudson Rd (Cedar Falls) to Hwy 63
 - Connection Alignment with End Sections
 - 4-Lanes West of Fletcher
 - 3-Lanes (One Direction) East of Hwy 63 to Washington
 - Maintains Head-to-Head Separation (Median)
 - Future 2-Lane to 4-Lane Conversion Construction Costs \$990,000
 - Future Industrial/Commercial Development Benefits
 - Increased Direct Driveway Access
 - Bus Stops Added to University Ave near Hwy 63



Technical Memo – Lanes

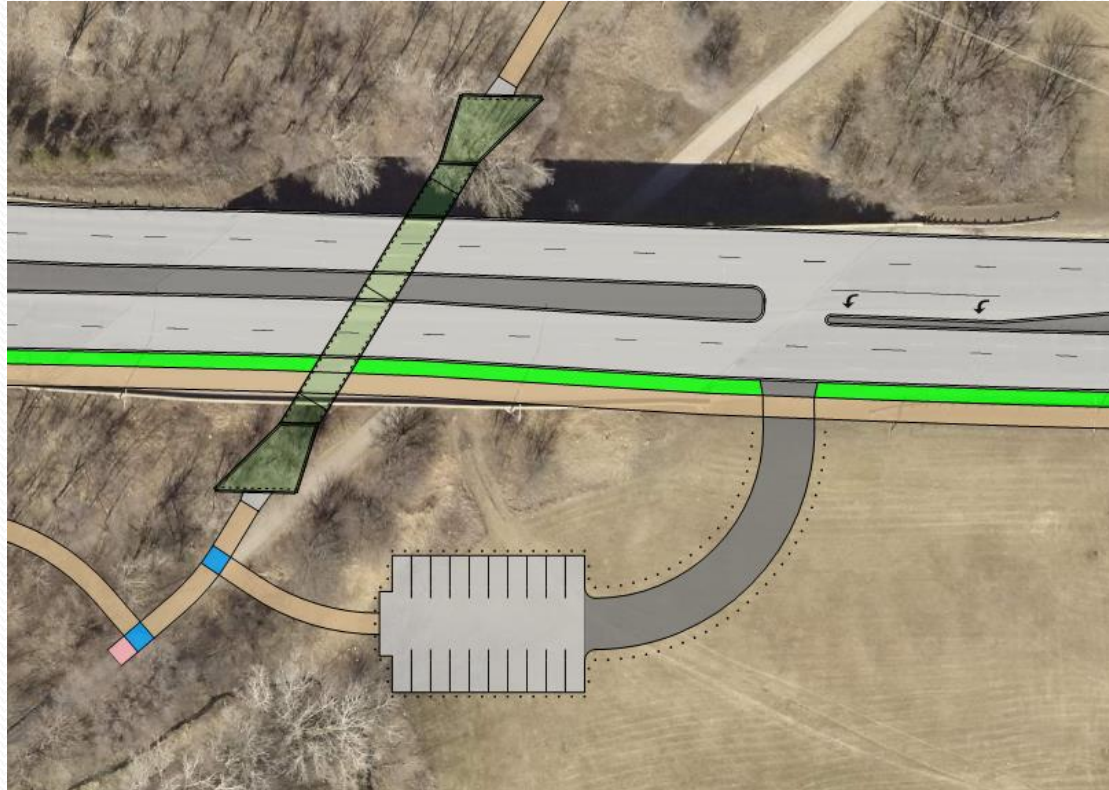
- Lane Configuration
 - 2-Lane Configuration – Fletcher to Hwy 63
 - Estimated Cost Savings \$500,000
 - Adequate for Current Traffic Projections
 - Removes Head-to-head Separation
 - Lane Configuration Connection Issues
 - Hwy 63 Intersection opens to 3-lane configuration (one direction)
 - Increase multilane weaving of eastbound traffic (safety concern)
 - Future Industrial/Commercial Development Impacts
 - Redesign Impacts to Schedule (1-2 months)
 - Additional Design Costs



Current Recommendation

- Speed Limit –
 - 35 mph – Midway to Tunis
 - 45 mph – Tunis to Hwy 63
 - Conduct Speed Study at Project Completion
- Lane Configuration – Phase 3
 - 4-Lane Configuration - Fletcher to Hwy 63
- City Council Consideration of Phase 3 Plan Approval -
January 27, 2020

Trailhead Parking Addition



Tentative Project Schedule

- Plans and Specifications Approval – January 27th, 2020
- Notice to Bidders – January 30th, 2020
- Bid Letting – February 27th, 2020
- Public Hearing – March 2nd, 2020
- Contract Approval – March 16th, 2020
- Construction Begins – Late March/Early April 2020

Questions

