

# University Avenue Public Information Meeting

March 21, 2017



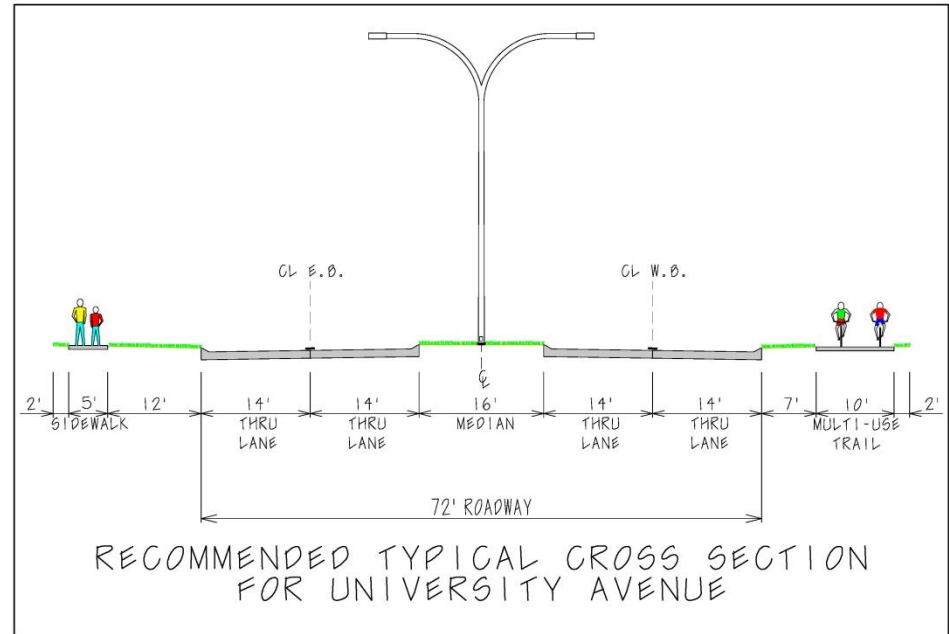
# Goals for Meeting

- Present Overall Concepts
- Discuss Complete Street Improvements
- Review Schedule and Funding
- Receive Input!



# Overall Concepts

- 4-Lane Cross Section
  - Meets the current and projected traffic volumes. (traffic volumes range from 7,000 to 22,000 veh/day)
  - Creates space for the complete street improvements.
  - Reduces ROW acquisition
  - Reduces cost for construction, operations, and maintenance for the facility.



# Overall Concepts

- Review of 2011 Traffic Study
  - Traffic Operations/Delays
  - Roundabout Consideration
  - Review of 5-lane (TWLTL) Potential



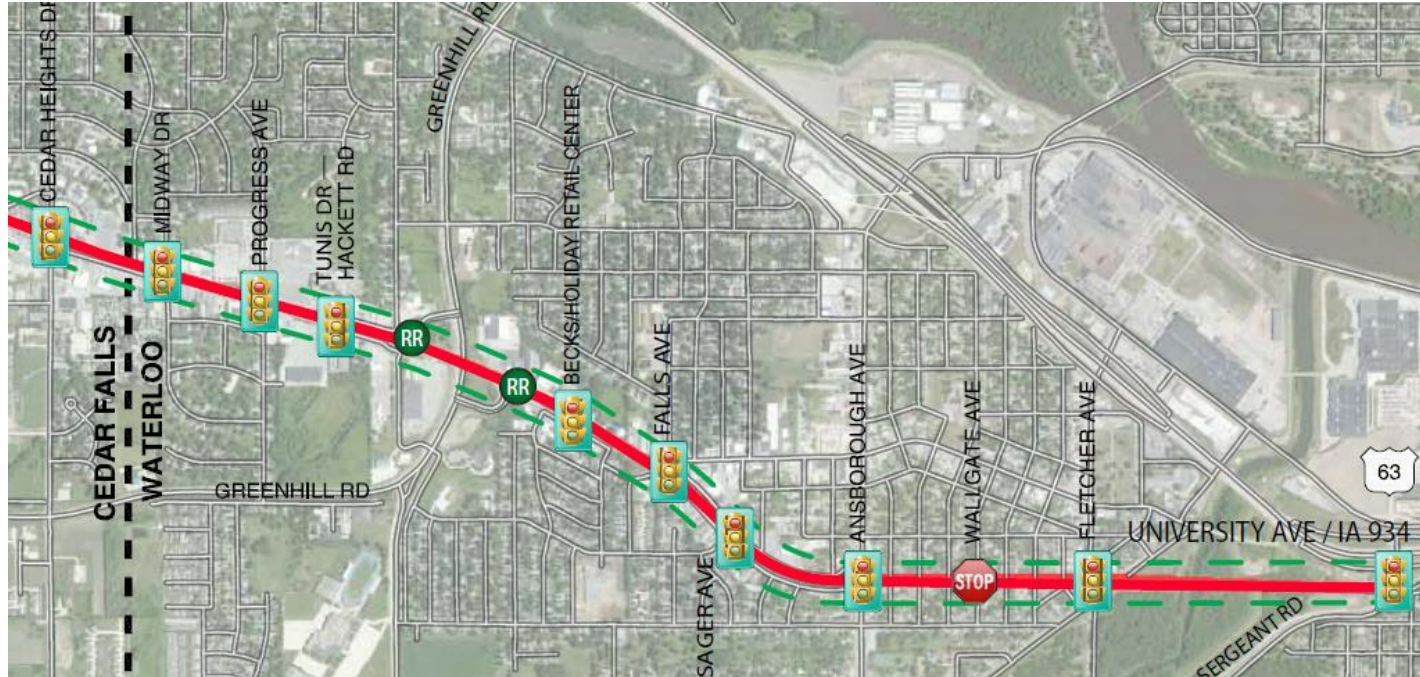
# 2011 Traffic Study

- Analyzed 5 Main Alternatives
  - No-Build
  - Alternative 1: Six Lanes with Traffic Signals Optimized
  - Alternative 2: Four Lanes with Traffic Signals Optimized
    - Alternative 2 - Modified
  - Alternative 3: Four Lanes with Roundabouts
    - Alternative 3 - Modified
  - Alternative 4: Four Lanes with Roundabouts and Traffic Signals





# 2011 Traffic Study



Alternative 2 – 4 Lanes with Traffic Signals Optimized



# 2011 Traffic Study

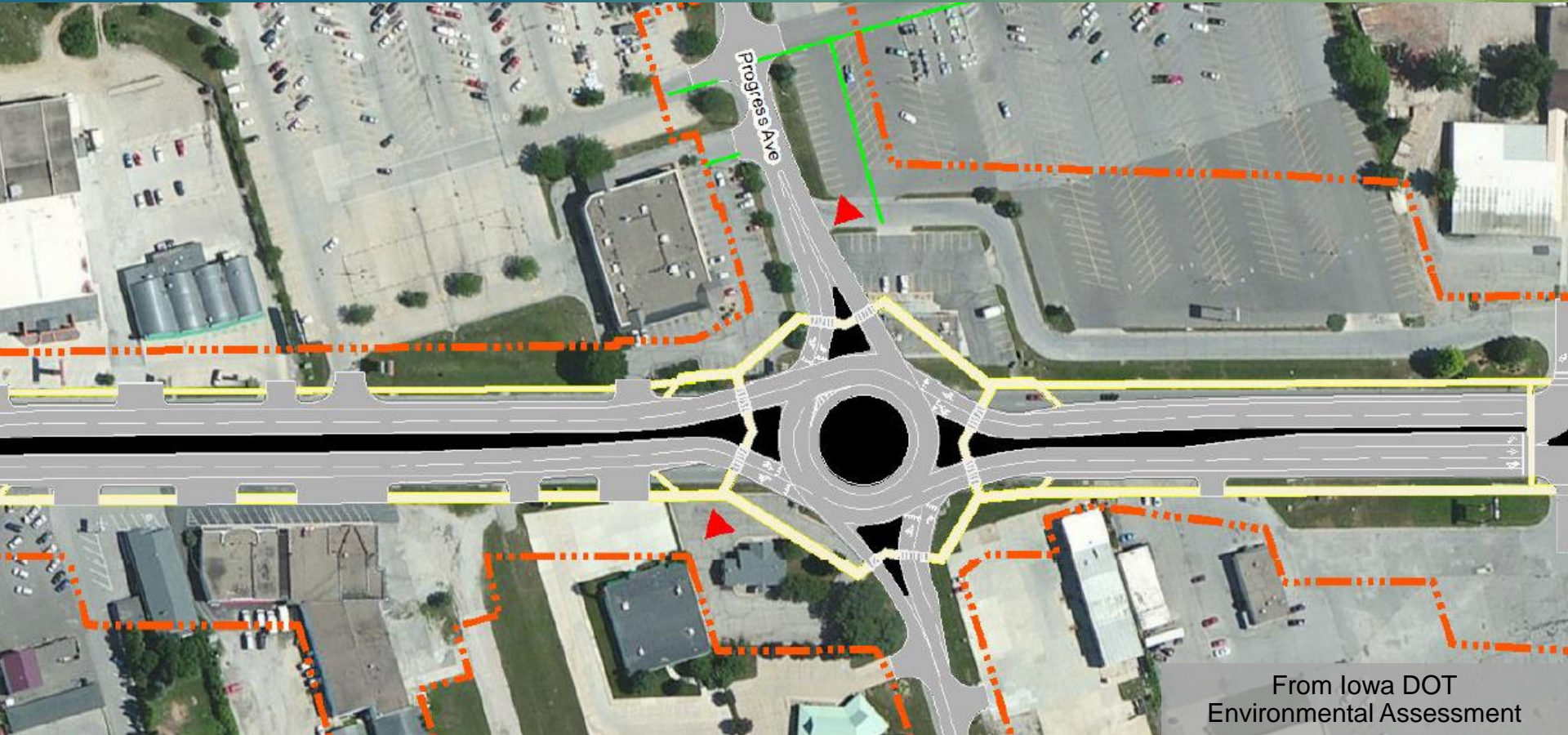


Alternative 4 – 4 Lanes with Signals and Roundabouts





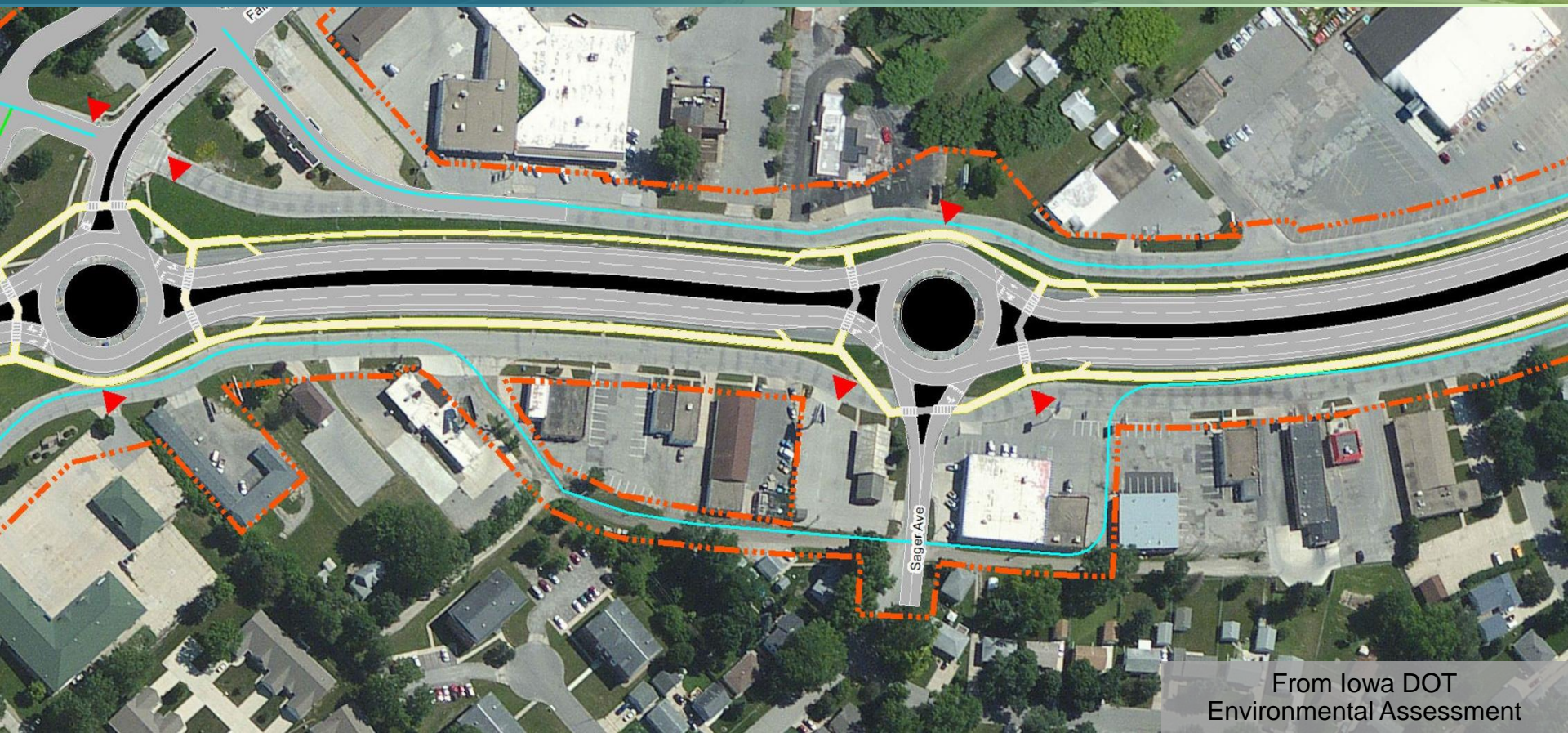
# Progress Avenue Roundabout



From Iowa DOT  
Environmental Assessment



# Falls Ave/Sager Ave Roundabout



From Iowa DOT  
Environmental Assessment

# 2011 Traffic Study

## Comparison of Signals vs. Roundabouts

	Level of Service/Delay		ROW Impact		Access Impact	
	Signals	Roundabout	Signals	Roundabout	Signals	Roundabout
Midway Drive	B/10.2	B/12.7	Minimal	Severe	None	Severe
Progress Drive	C/26.5	C/23.7	Minimal	Severe	None	Minimal
Tunis Drive	B/13.2	C/17.0	Minimal	Severe (?)	None	Moderate
Greenhill West Ramp	N/A	B/11.5	Minimal	Minimal	None	Improved
Greenhill East Ramp	N/A	B/11.3	Minimal	Severe	None	Moderate
Casey's/Becks	A/6.0	C/15.3	Minimal	Severe	None	Severe
Falls Avenue	B/16.7	C/21.1	Minimal	Severe (?)	None	Severe
Sager Avenue	A/7.3	B/12.0	Minimal	Minimal	None	Severe
Ansborough Avenue	C/36.9	C/23.4	Minimal	Moderate	None	Minimal
Wallgate Avenue	A/1.6	C/18.0	Minimal	Moderate	None	None
Fletcher Avenue	B/19.7	C/16.6	Minimal	Minimal	None	None





# Roundabout Review

- Based on the 2011 Traffic Report
  - At several locations, traffic operations are similar, or slightly better, with signalized intersections than with roundabouts.
  - Construction of roundabouts has severe impacts to ROW and access in most locations.
  - Roundabouts have improved safety characteristics
    - Generally roundabouts reduce crashes and severity of crashes.
    - Pedestrian/Bicycle crossings of Greenhill Road Ramps would improve with roundabouts.





# 5-Lane Section Review



# 5-Lane Section Review

- Traffic, Speed Limits and # of Access Points
  - Comparable to other roadways in state with 5-lane section
    - South Duff Avenue in Ames
    - 2<sup>nd</sup> Street in Coralville
  - Highly Commercialized Areas
- Crash Rates
  - University Avenue 258/HMVMT
  - South Duff Ave 391/HMVMT
  - 2<sup>nd</sup> Street 1332/HMVMT

Statewide Average

326/HMVMT Urban Highways

453/HMVMT City Streets



# Complete Streets

- Road Diet
  - Create space for other users
  - Multi-Use Path & Sidewalks
- Bus Accommodation
  - Pull-outs for buses. Space for shelters
- Lighting
  - Energy efficiency
- Aesthetics





# Schedule

- Midway Drive Intersection
  - Summer of 2017, in coordination with the city of Cedar Falls
- Phase 1 – Midway Drive to Ansborough Avenue
  - Right-of-Way                      – Summer-Winter 2017
  - Bid Letting                        – 2018
  - Construction                      – 2018/2019
- Phase 2 – Ansborough Avenue to US 63
  - Construction                      - 2020/2021



# Schedule



- Construction will be staged to maintain business access and through traffic at all times.



# Funding

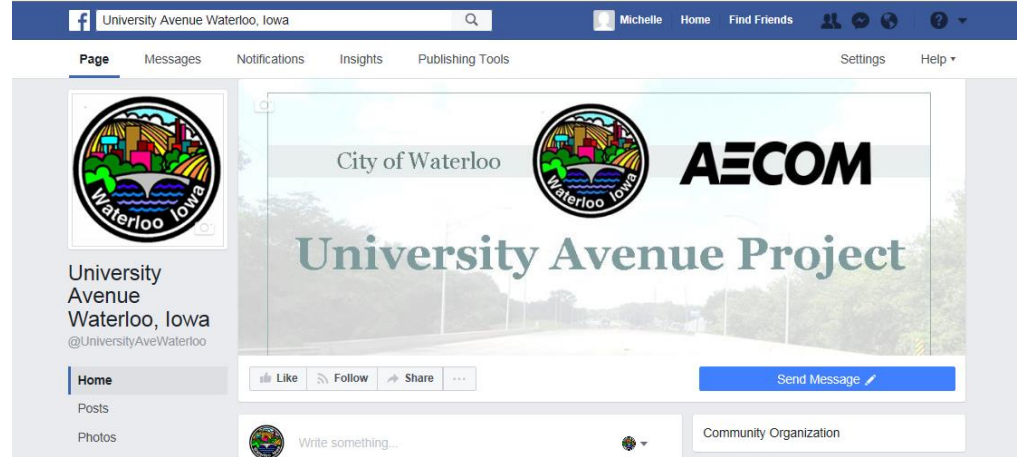
- Total Project Cost Estimate – \$40 Million+
  - Includes typical costs for construction
- IDOT Funding Received – \$28 Million
  - Didn't include costs associated with Storm & Sanitary Sewer, Sidewalk, Multi-Use Path, Lighting or Landscaping
- Searching for Savings Opportunities
  - Delay bridge work
  - Minimize Greenhill Road ramps
  - Other
- Other Grant Opportunities





# Project Communication

- Input Tonight
  - Discussion around displays
  - Comment Sheet
- Future Input
  - City Website
  - Facebook Page
  - Email Updates



# University Avenue Public Informational Meeting

March 21, 2017

