



University Avenue Traffic Study

City of Windsor Heights
City News Hour
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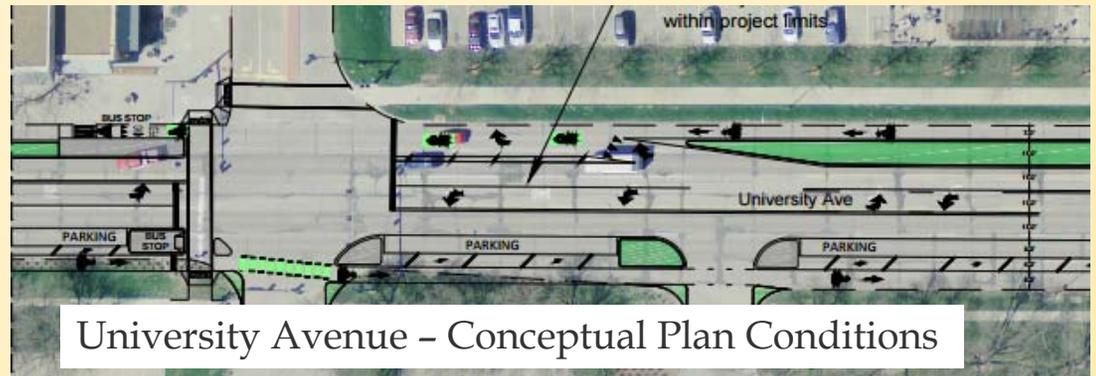


Today's Agenda

- Project Overview
- Traffic Data
- Existing and Conceptual Design Plan Conditions
- Operational Traffic Analysis
- Q & A

Study Objective

To complete a traffic analysis of University Avenue between 73rd St. and 63rd St. for existing and conceptual design plan conditions.



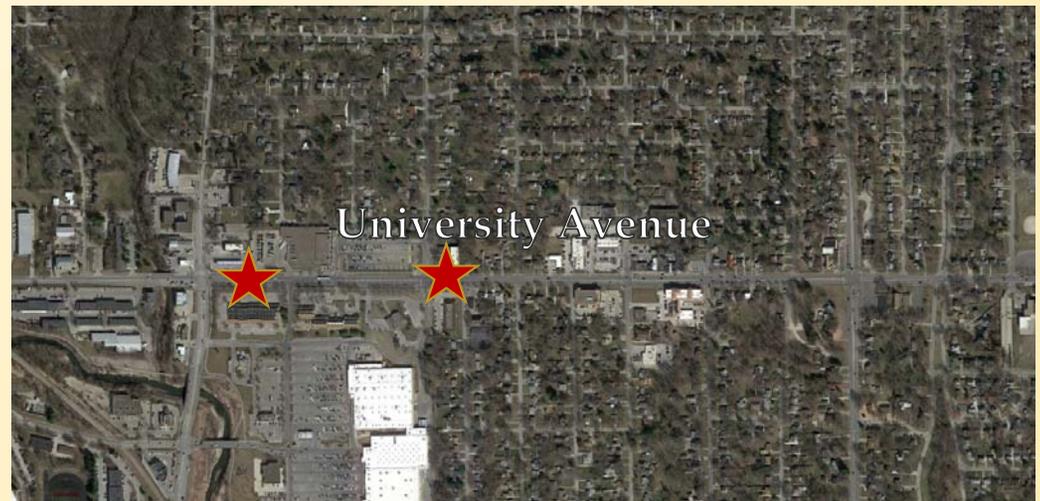
Study Area



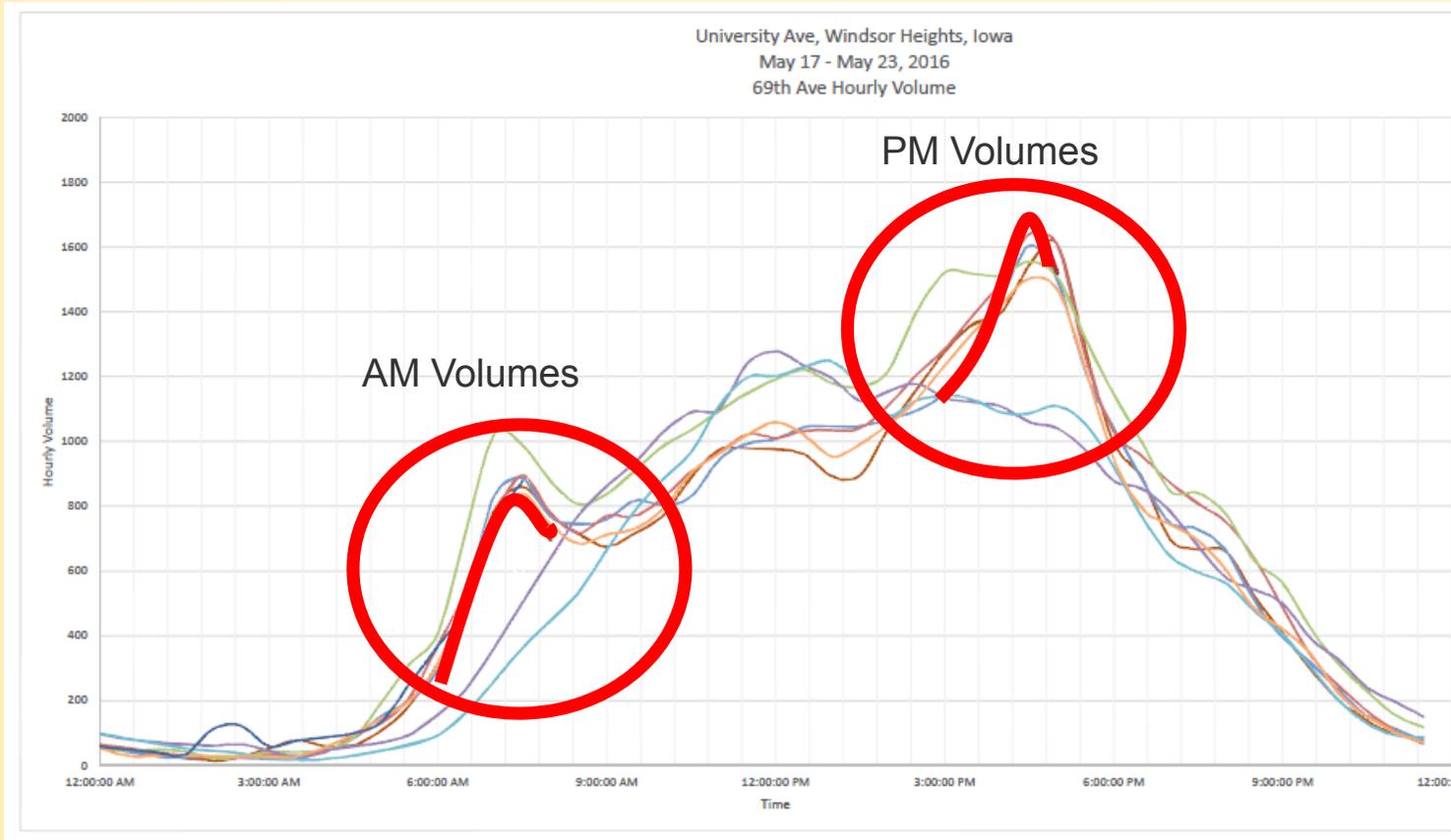
Traffic Counts

Average Daily Traffic (ADT)
Counts:

- Between 73rd St. & HyVee
- Between 70th St. & 69th St.



Traffic Counts



— Turning movement count volume data

Average Daily Traffic Volumes (2016)



University Ave: Existing Conditions

- Urban, minor arterial
- 25 MPH
- 5 Lanes (*73rd St. to 70th St.*)
 - Central two-way left-turn lane (TWLTL)
- 4 lanes (*70th St. to 63rd St.*)
- On-street parking (*66th St. to 65th St.*)
- Sidewalks on both sides

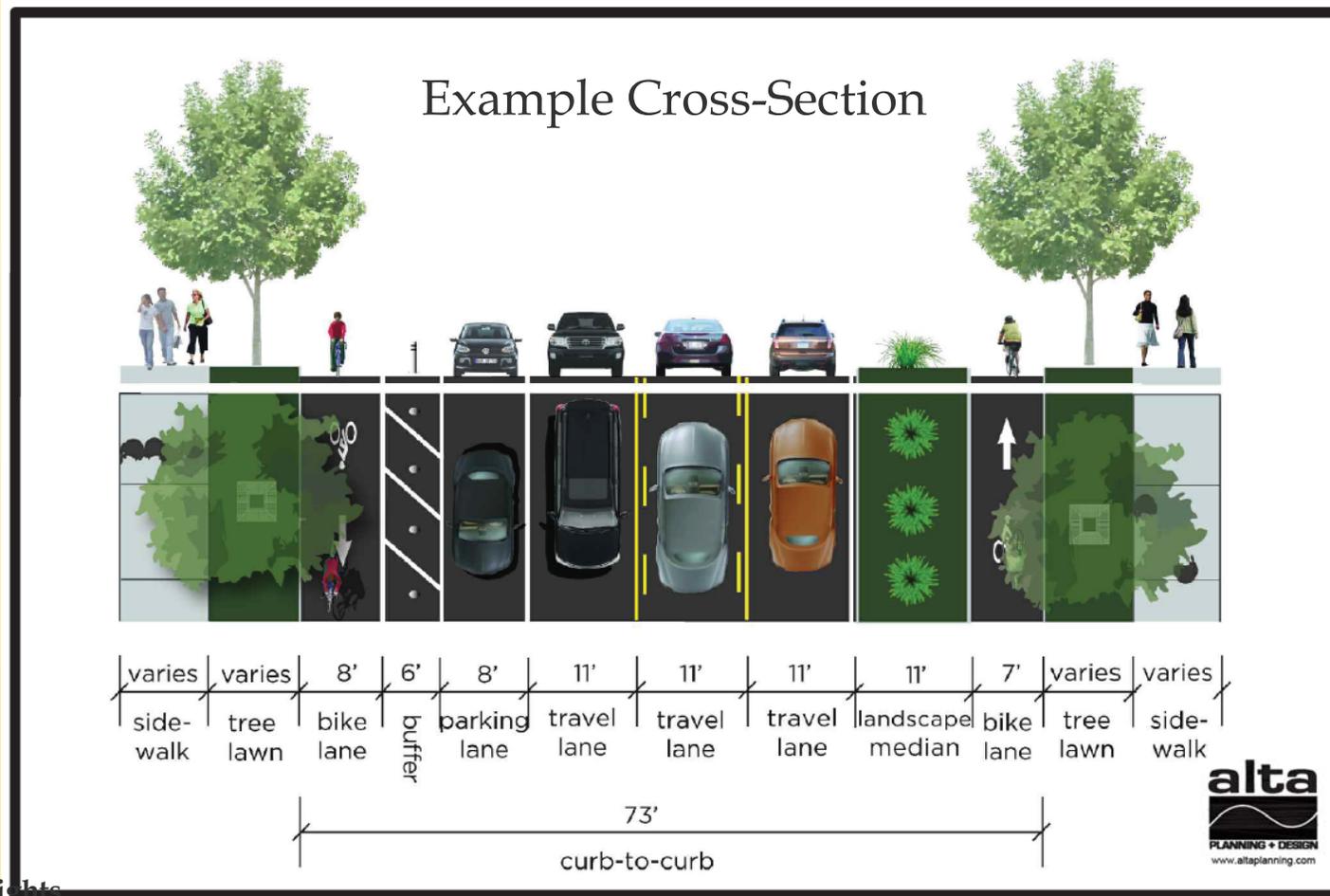


University Ave: Concept Plan Conditions

- Road diet
 - Three-lane roadway with central TWLTL
- Parking protected bike lane
- Additional on-street parking
- Raised medians
- Protected intersection @ 70th St.



University Ave: Concept Plan Conditions

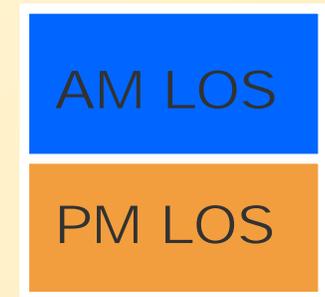


Operational Analysis

- Synchro 9 – Industry standard traffic analysis software
- Level of Service (LOS)

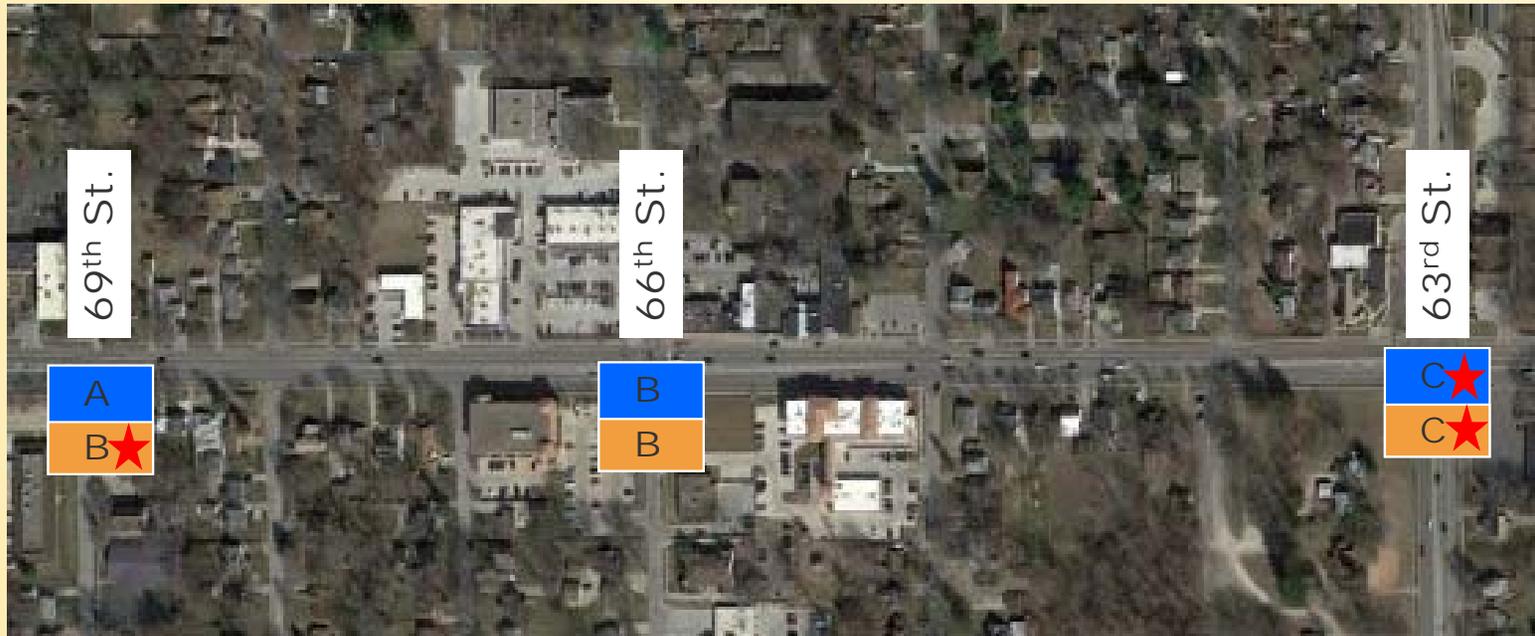
Level of Service	Average Control Delay (sec/veh)	
	Stop Control	Signal Control
"A" (best)	0 to 10	0 to 10
"B" (good)	> 10 and ≤ 15	> 10 and ≤ 20
"C" (desirable)	> 15 and ≤ 25	> 20 and ≤ 35
"D" (delay)	> 25 and ≤ 35	> 35 and ≤ 55
"E" (congestion)	> 35 and ≤ 50	> 55 and ≤ 80
"F" (forced flow)	> 50	> 80

Operational Analysis: Existing Conditions



 Movement(s) LOS D or worse

Operational Analysis: Existing Conditions

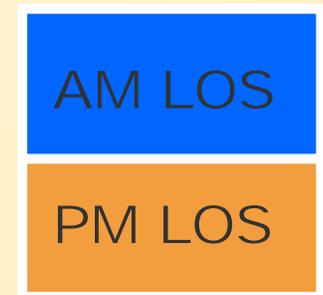
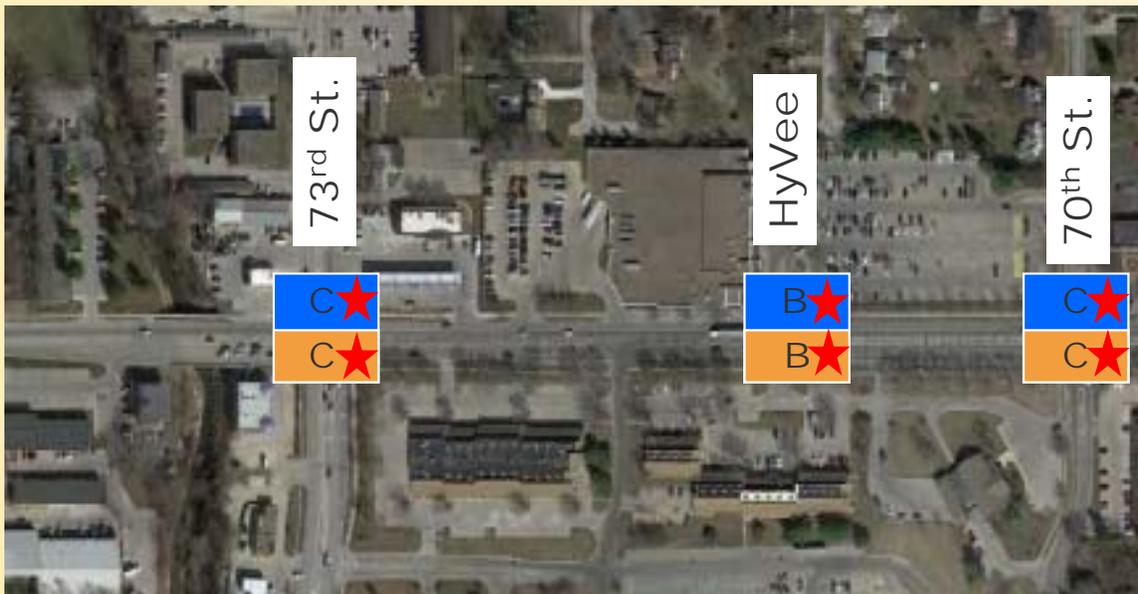


AM LOS

PM LOS

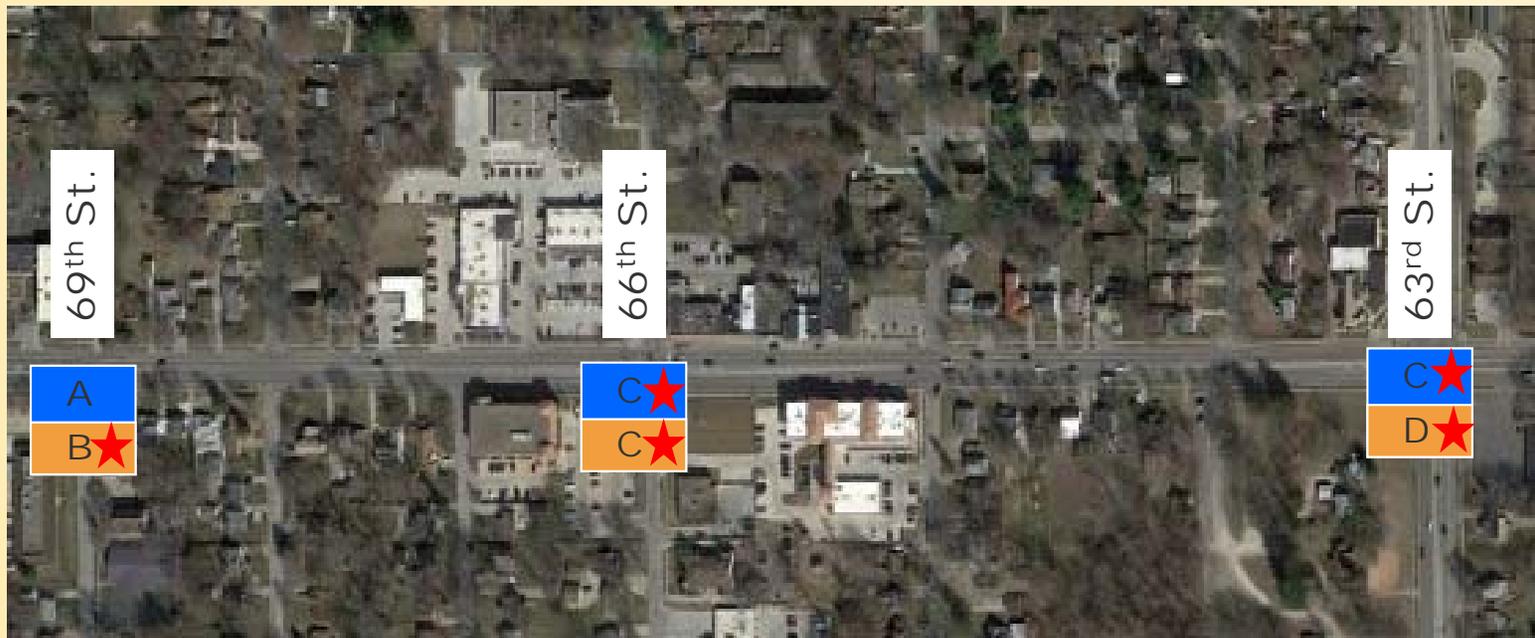
★ Movement(s)
LOS D or
worse

Operational Analysis: Concept Plan Conditions



 Movement(s) LOS D or worse

Operational Analysis: Concept Plan Conditions



AM LOS

PM LOS

★ Movement(s)
LOS D or
worse

Operational Analysis Summary

Overall Intersection LOS

Intersection	Existing Conditions		Concept Plan Conditions	
	AM	PM	AM	PM
73 rd Street	C	C	C	C
HyVee Access	A	C	B	B
70 th Street	B	C	C	C
69 th Street	A	B	A	B
66 th Street	B	B	C	C
63 rd Street	C	C	C	D

Q & A

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