



CITY OF CHARLOTTE

# Johnston-Oehler Road Farm-to-Market Road Project 3<sup>rd</sup> Public Meeting



*December 9, 2010*

**URS**



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# Johnston-Oehler Road Project Project Description

Project Limits: Mallard Creek Road to new Prosperity Church Road  
Project Length: 2 Miles +/-

## PROJECT AREA MAP

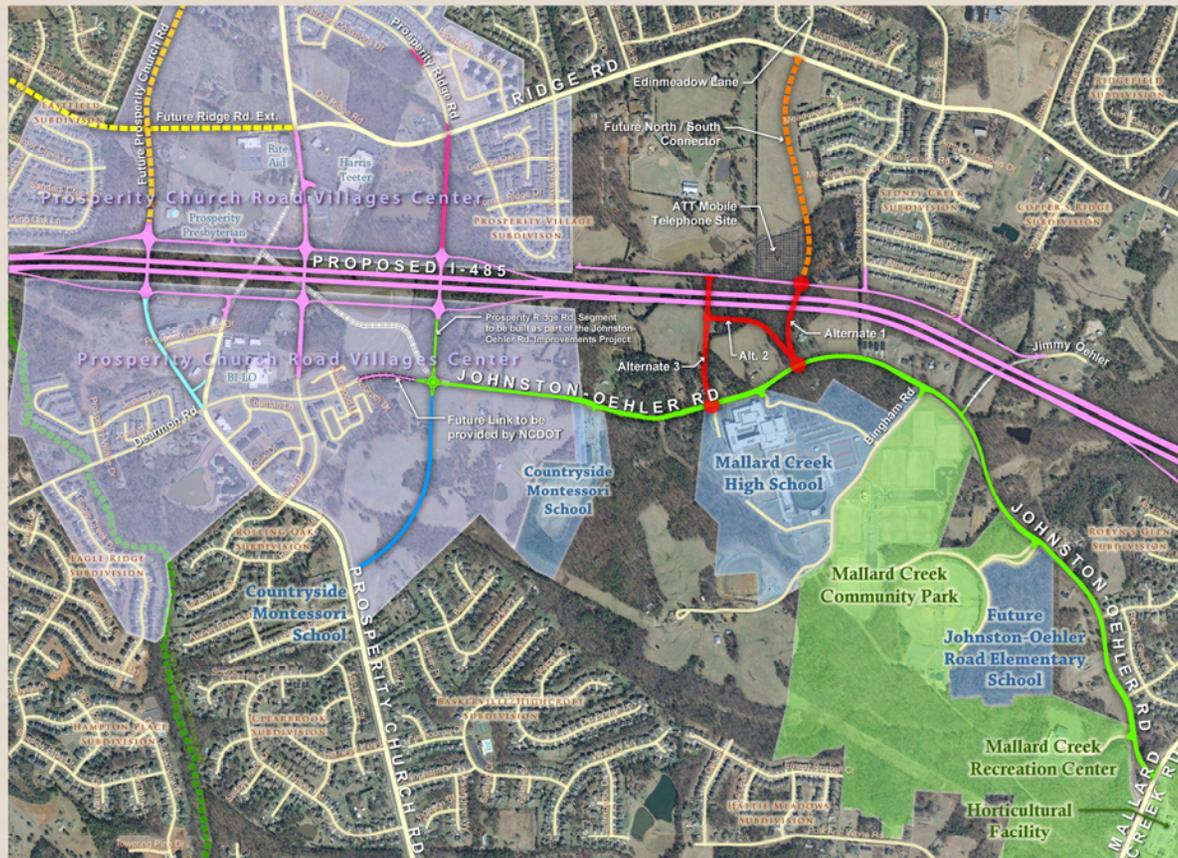
### LEGEND

- Existing Road
- Existing Major Road
- Future Greenway
- Prosperity Church Rd. Villages Center
- Future AT&T Mobile Telephone Site
- Existing Road Segments to be Removed
- Proposed Johnston-Oehler Road Improvements (By City)
- I-485 Improvements (By NCDOT)
- Alignment Alternatives for N/S Connector Street (By City)
- Approximate Future N/S Connector Street (By Private Development)
- Future Northern Prosperity Ridge Road (By City)
- Future Southern Prosperity Ridge Road (By City)
- Future Ridge Road Ext. (Unfunded: East Segment by Private Dev.)
- Future Prosperity Church Road (By Private Development)
- Future Prosperity Church Road (By Private Development)



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**URS** neighboring  
concepts  
ARCHITECTURE PLANNING INTERIORS

CHARLOTTE.

## JOHNSTON-OEHLER ROAD

Farm-To-Market Project

# Johnston-Oehler Road Project Project Purpose



- Improve roads in outlying, developing areas of the city
- Provide access to public facilities, residential areas, and employment centers
- Typical improvements include:
  - Widened travel lanes
  - Left-turn lanes
  - Sight distance improvements
  - Sidewalks
  - Bike lanes
  - Planting strips and street trees

## Johnston-Oehler Road Project Project Goals

- Accommodate and complement planned growth
  - Prosperity Village, I-485, new schools, recreation area
- Design to fit with this community
- Public Involvement is key part of the process





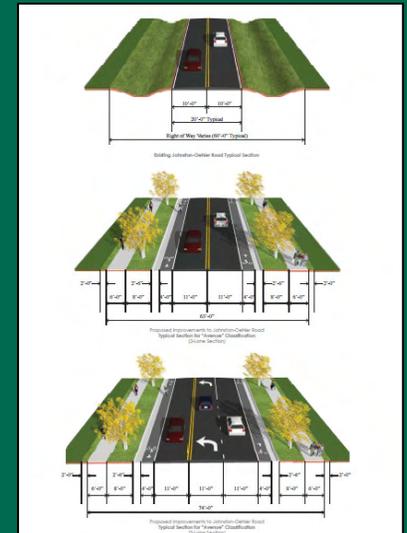
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# Johnston-Oehler Road Project

## Previous Meetings



# We Presented Options



# Johnston-Oehler Road Project Key Deficiencies



- Gap between newly constructed and existing road (“missing link”)



- Prosperity Church Road intersection
  - Peak hour congestion
  - Safety concerns
  - Sight distance issues



- Safety
  - Speeding
  - Narrow Travel Lanes
  - Roadside Hazards
  - Tight Curves

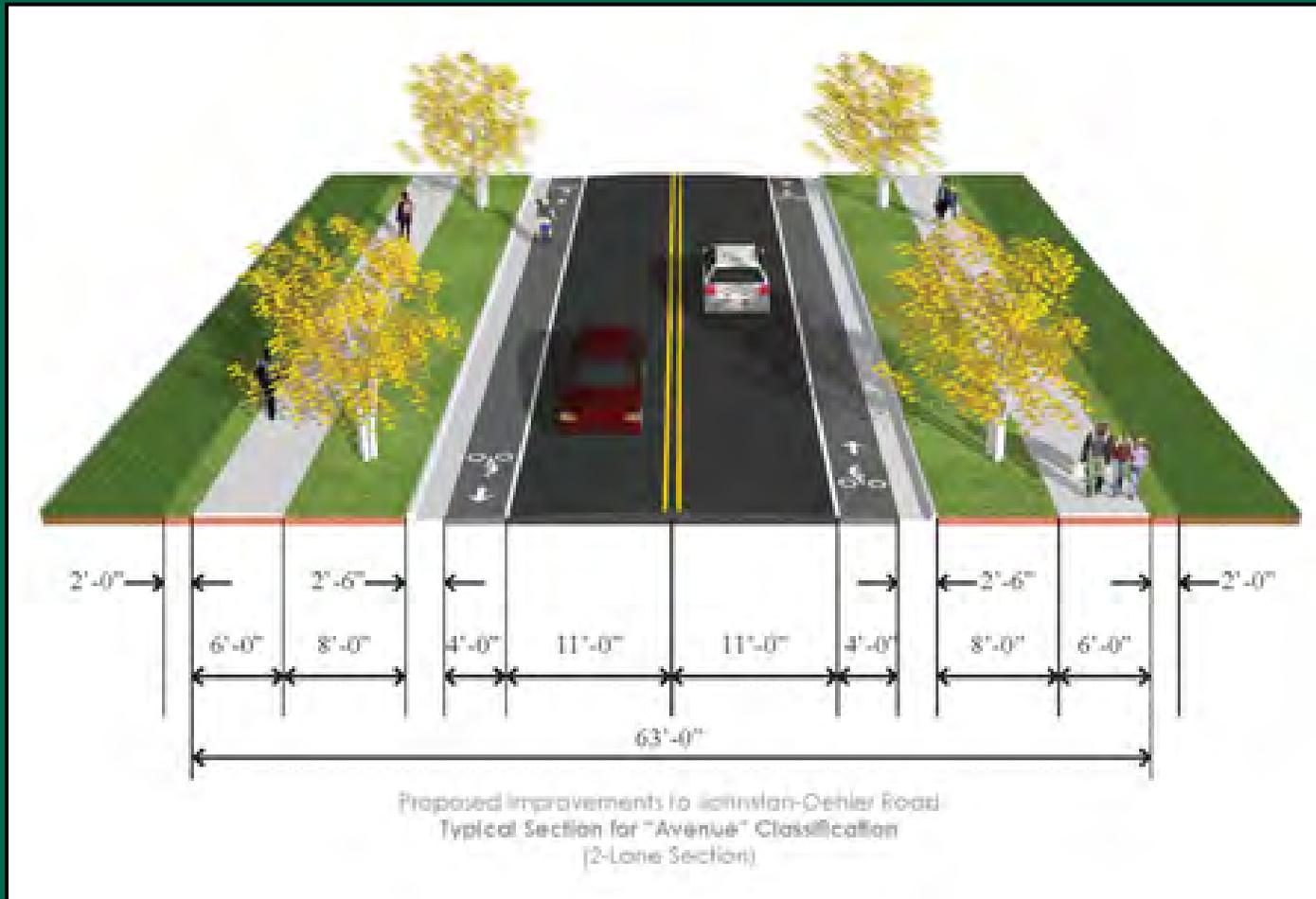


## Johnston-Oehler Road Project Key Deficiencies

- Lack of adequate sidewalk and bicycle network
- Limited street lighting
- Limited north/south connectivity



# Johnston-Oehler Road Project Recommended Design



- 2-lane section, bike lanes, planting strip and sidewalks

# Johnston-Oehler Road Project Recommended Design



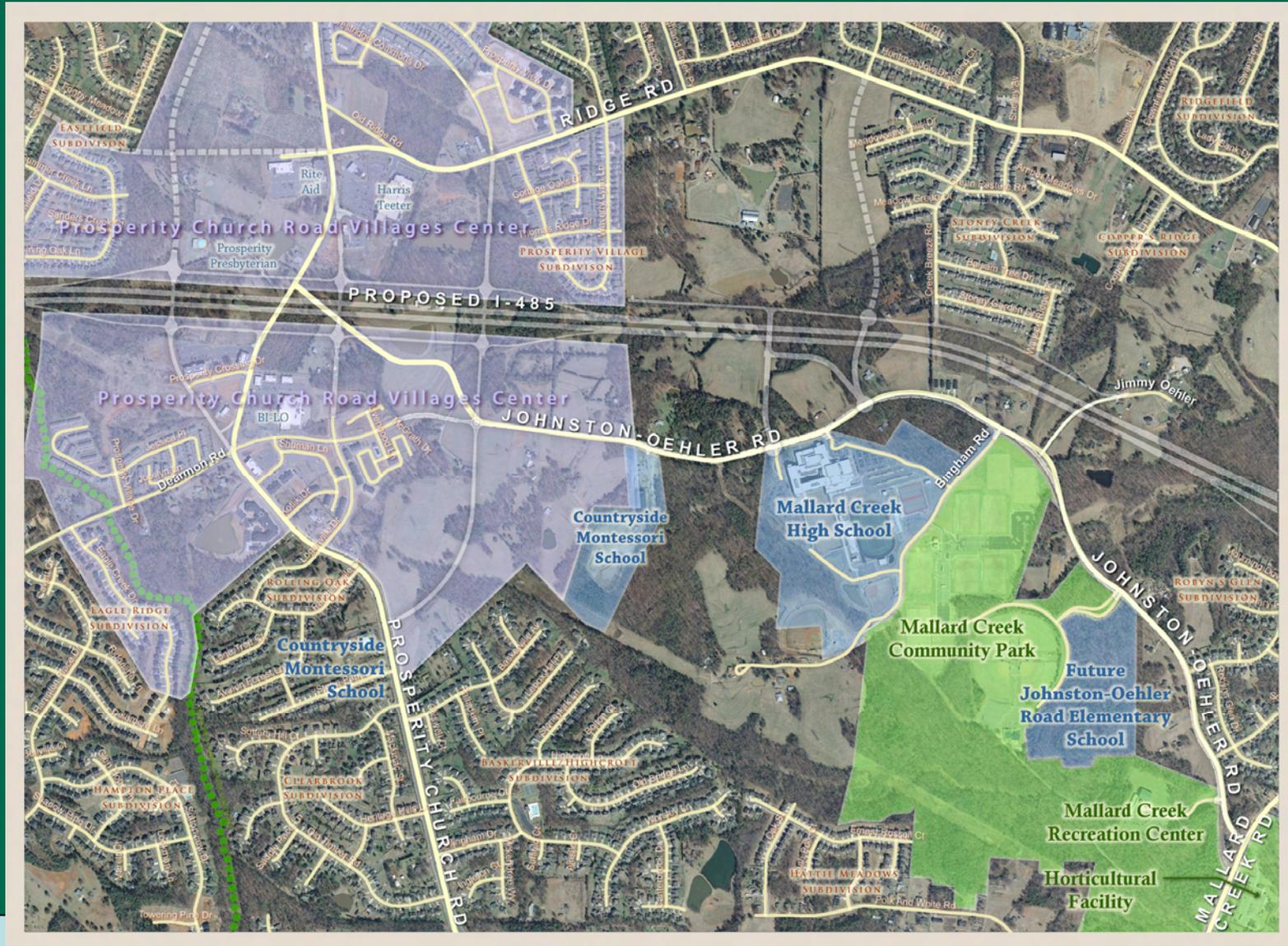
- 3-lane section, left turn lanes, bike lanes, planting strip and sidewalks





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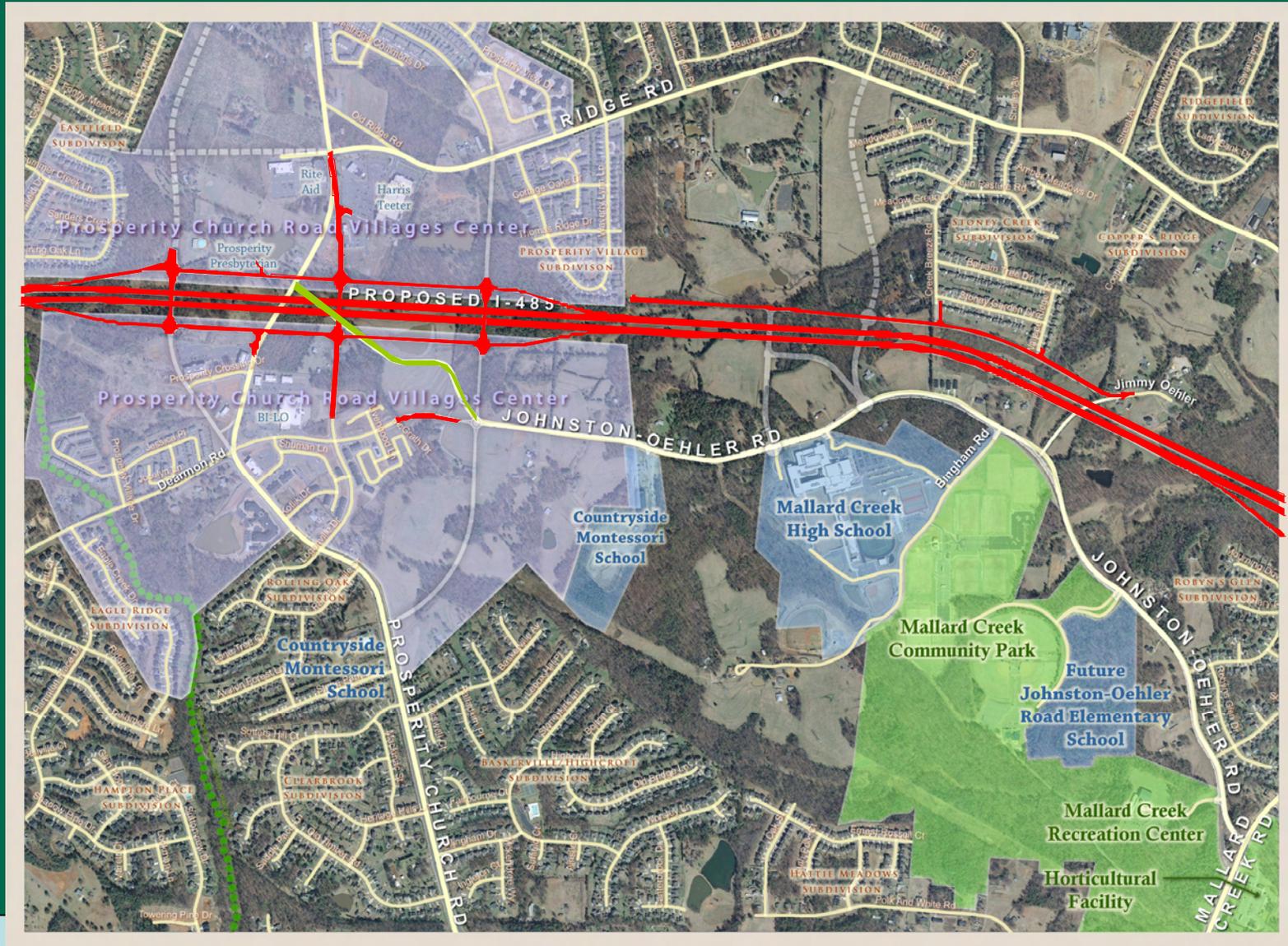
# Johnston-Oehler Road Project Future Projects





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# Johnston-Oehler Road Project Future NCDOT Projects







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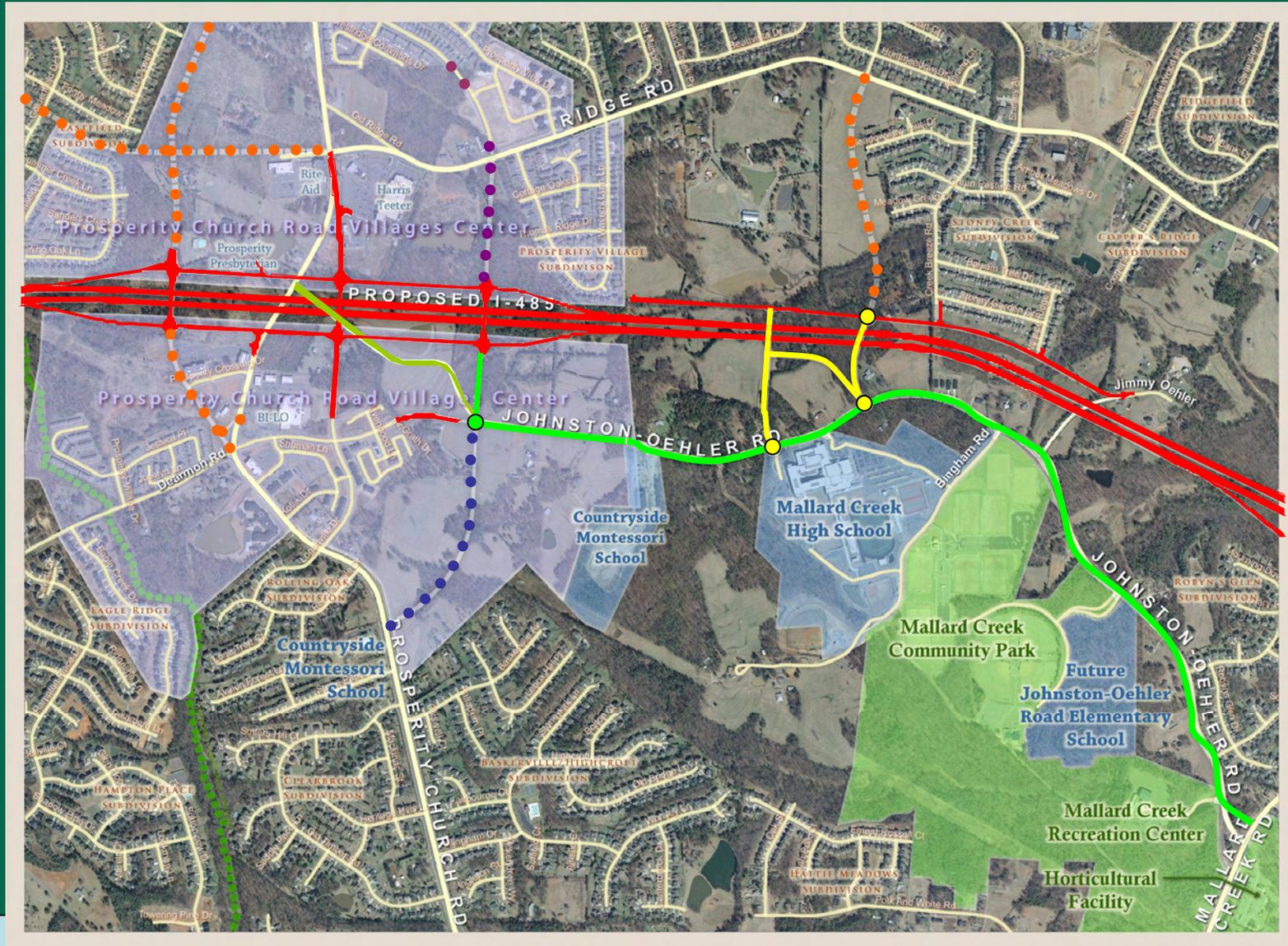
# Johnston-Oehler Road Project Future Developer Funded Projects





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# Johnston-Oehler Road Project Completed Future Street Network





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# North/South Connector Road Alternatives 2<sup>nd</sup> Public Meeting



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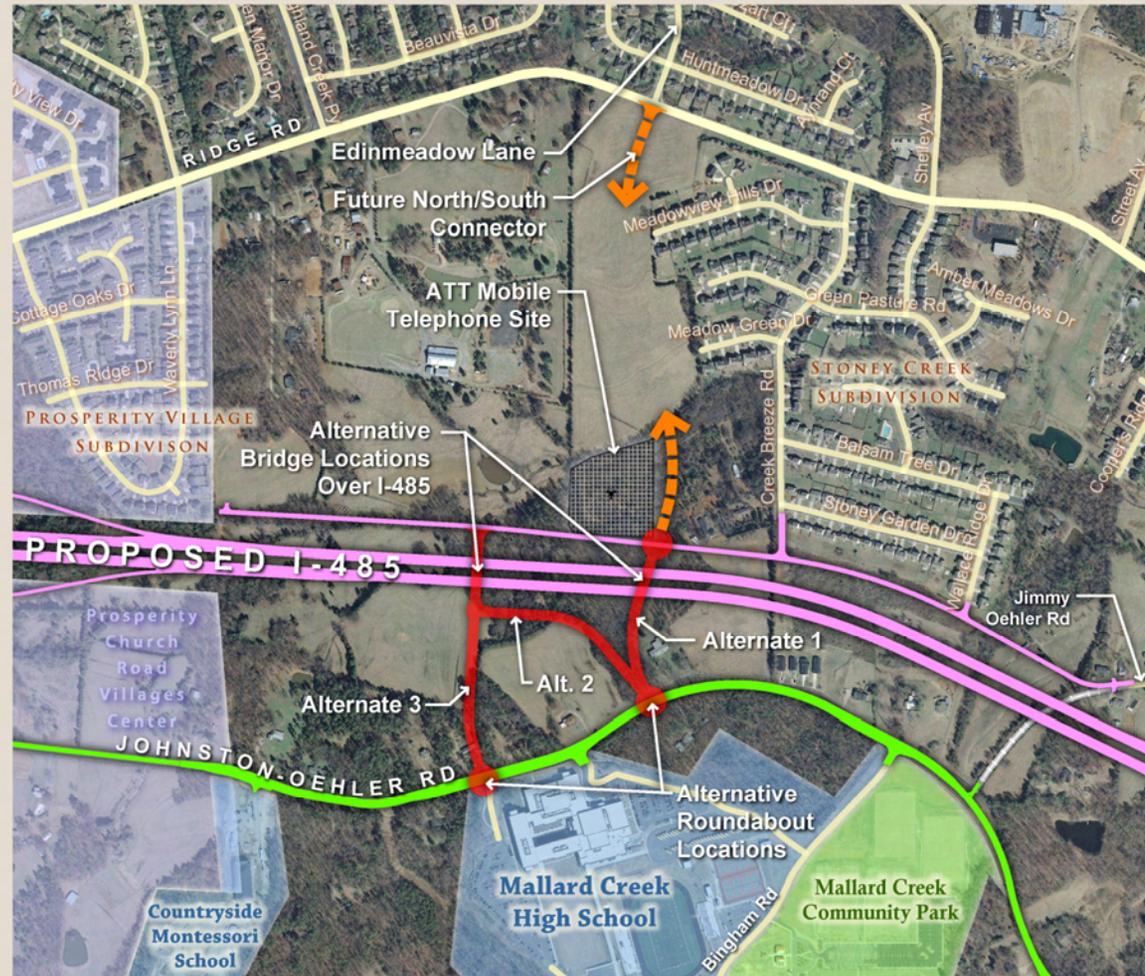
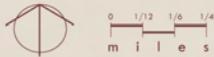
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# North / South Connector Road Alternatives Project Description

## NORTH/SOUTH CONNECTOR ALTERNATIVES

### LEGEND

- Existing Road
- Existing Major Road
- Prosperity Church Rd. Villages Center
- Future AT&T Mobile Telephone Site
- Existing Road Segments to be Removed
- Proposed Johnston-Oehler Road Improvements (By City)
- I-485 Improvements (By MCDOT)
- Alignment Alternatives for NS Connector Street (By City)
- Approximate Future NS Connector Street (By Private Development)



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URS neighboring concepts

JOHNSTON-OEHLER ROAD Farm-To-Market Project

- Key Project Objectives

- Provide connectivity between Johnston-Oehler Road and I-485 service road and eventually Ridge Road
- Improve access to schools and parks
- Limit right of way acquisition and property impacts
- Eliminate I-485 as a barrier
- Reduce response times for emergency services



- Previous Meetings in 2008
  - Discussed need for north/south connectivity
  - Presented potential alignment options
  - Presented Existing and Future Conditions
  - Survey indicated most thought connecting Johnston-Oehler Road and Ridge Road was a good idea
- Take Local Traffic OUT of Interchanges
- Key Deficiency is connectivity



- City funds have paid NCDOT for bridge over I-485
- NCDOT to build bridge, City will build street
- Benefits of Constructing Bridge with I-485 Project
  - Reduced construction costs
  - No traffic impact during construction
- Location of bridge has NOT been determined
- Need to set the location before February 1, 2011
  - NCDOT finalizing permits for I-485
  - Need to prepare federal environmental document



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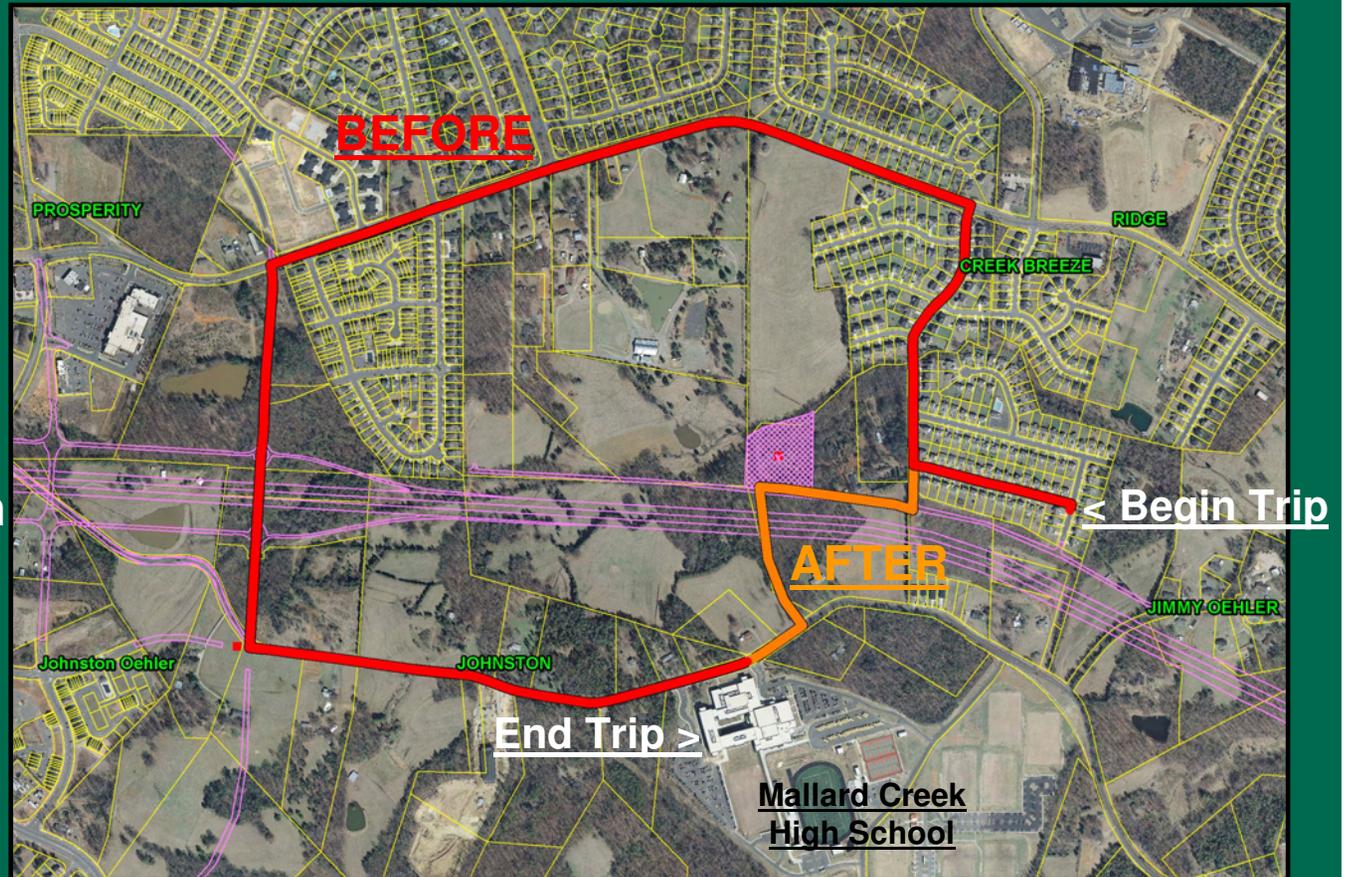
# North / South Connector Road Alternatives Connectivity Improvements

## Travel Path from Stoney Creek subdivision to Mallard Creek H.S.

BEFORE= 2.5 mi.  
3 min. @ 40mph  
Cost per year=  
\$121 @ 20 MPG

AFTER= 1.2 mi.  
1.7 min. @ 30mph  
Cost per year=  
\$34 @ 20 MPG

**Savings = \$87**  
**Per School Year**





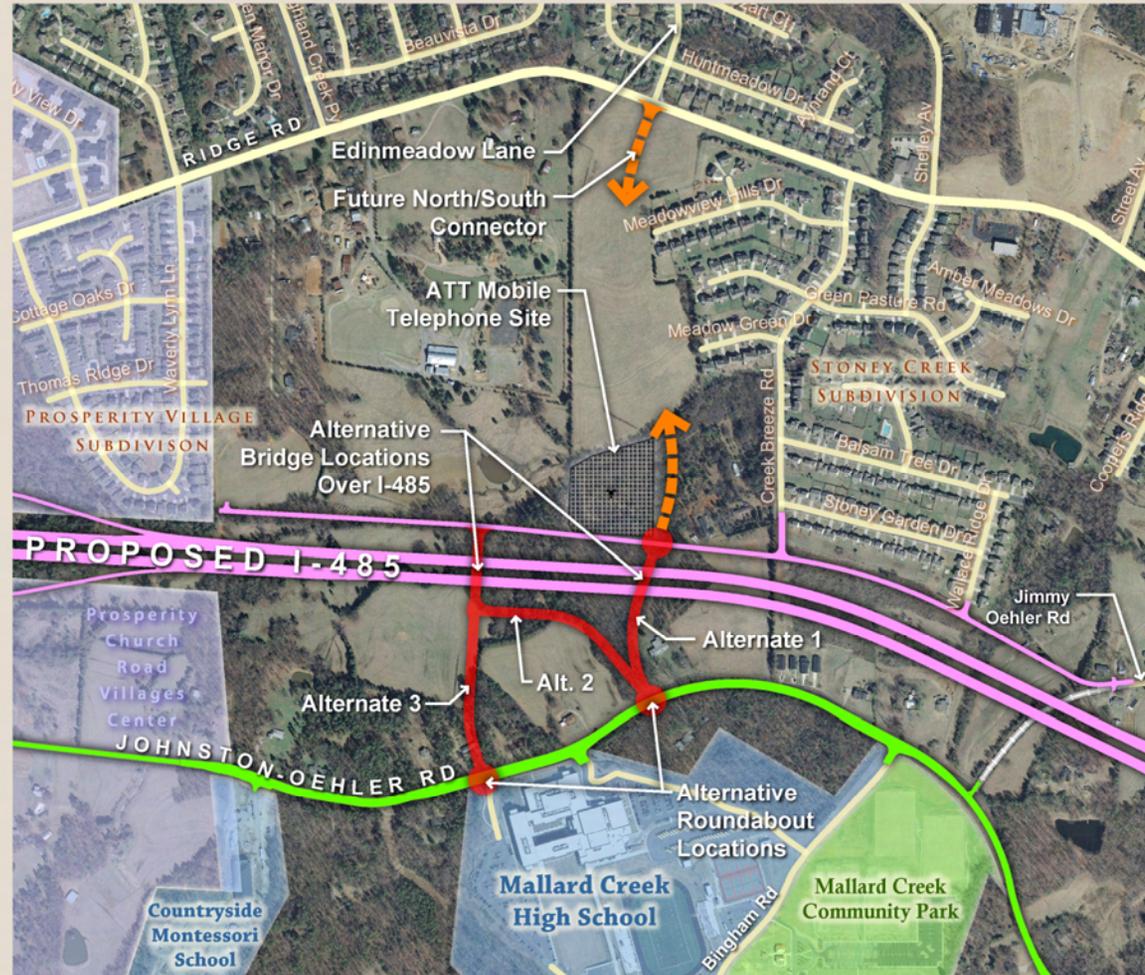
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# North / South Connector Road Alternatives

## NORTH/SOUTH CONNECTOR ALTERNATIVES

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URS neighboring concepts

JOHNSTON-OEHLER ROAD Farm-To-Market Project



# North / South Connector Road Alternatives Alternative #1

NORTH/SOUTH  
CONNECTOR  
EXISTING  
PROJECT AREA

### Advantages:

1. Direct Connection to Ridge Road in Future
2. Most Logical Route
3. Lowest Cost

### Disadvantages:

1. Close Proximity to Existing Home





# North / South Connector Road Alternatives Alternative #2

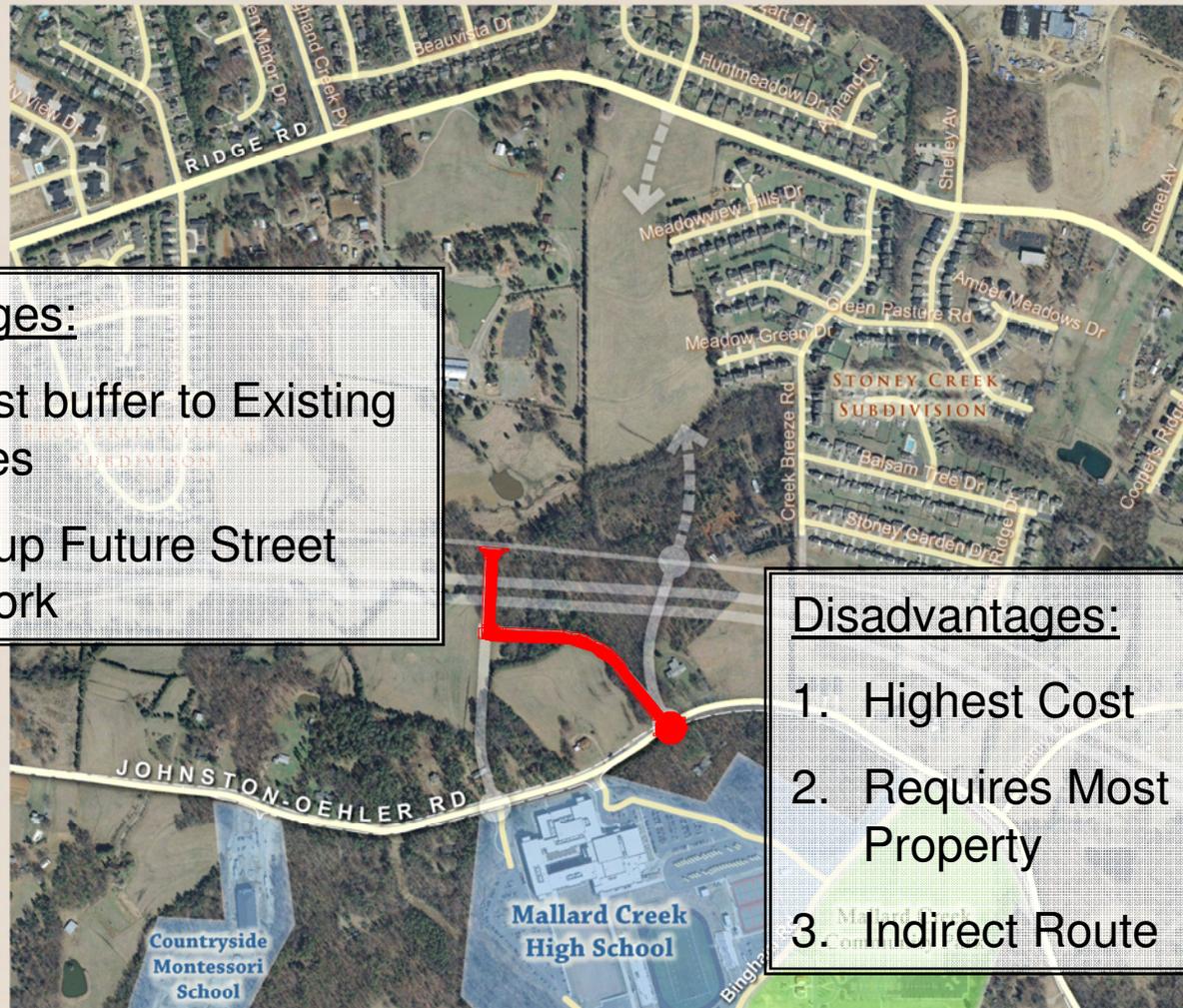
NORTH/SOUTH  
CONNECTOR  
EXISTING  
PROJECT AREA

Advantages:

- 1. Widest buffer to Existing Homes
- 2. Sets up Future Street Network

Disadvantages:

- 1. Highest Cost
- 2. Requires Most Property
- 3. Indirect Route





# North / South Connector Road Alternatives Alternative #3

NORTH/SOUTH  
CONNECTOR  
EXISTING  
PROJECT AREA

## Advantages:

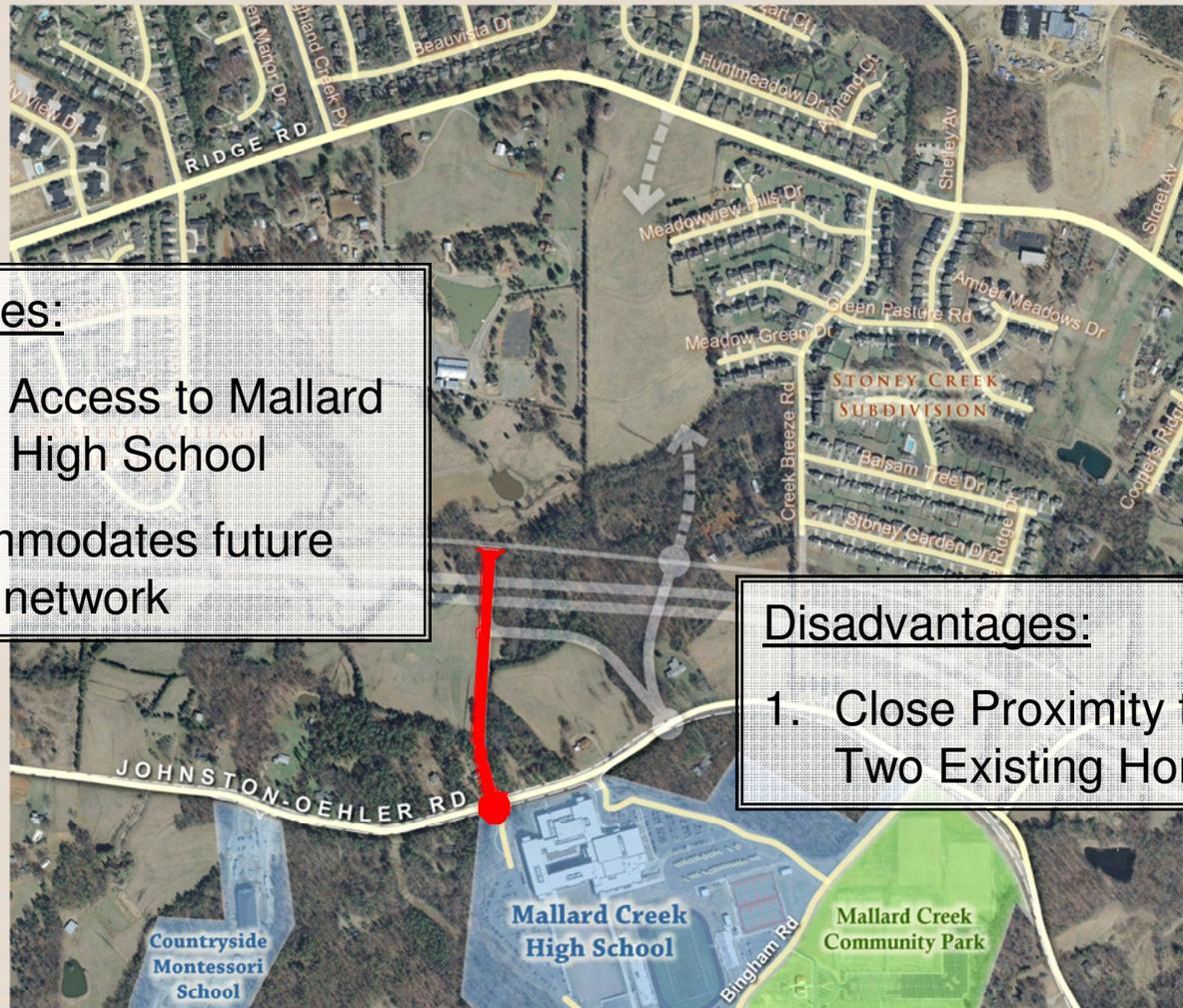
1. Direct Access to Mallard Creek High School
2. Accommodates future street network

## Disadvantages:

1. Close Proximity to Two Existing Homes



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# What's Next?

- We Will Compile Your Comments
- Select North/South Connector Street Alignment
- Additional Meetings to be held on North/South Connector Concept
- Initiate Final Design
- I-485 to Begin Construction (May 2011)
- Begin Johnston-Oehler Road Project Construction



**Johnston-Oehler Road  
Farm-to-Market Project**  
December 2009



The following questions relate to the Johnston-Oehler Road Farm-to-Market Project. Please consider each question and note your responses below. Project team staff members are available to provide clarification.

- Have we missed anything in summarizing the existing and future land uses in the vicinity of the Johnston-Oehler Road Farm-to-Market Project?
- Have we missed anything in summarizing the existing and future transportation projects in the vicinity of the Johnston-Oehler Road Farm-to-Market project?
- What concerns do you have in regards to this project? What design features do you think should be considered to help alleviate your concerns?
- What is the most important thing the City should consider during the planning and design of this project?

Please complete the brief survey located on the back side of this worksheet

Optional:  
Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number/Email Address: \_\_\_\_\_

**ATTENTION**  
PLEASE LEAVE THIS FORM WITH A CITY REPRESENTATIVE TONIGHT OR YOU MAY ALSO SEND IN YOUR COMMENTS BY MAIL OR E-MAIL TO THE FOLLOWING ADDRESS:  
Ms. Len Chapman  
City of Charlotte  
Engineering & Property Management  
600 East Fourth Street, Charlotte, NC 28202  
lchapman@ci.charlotte.nc.us

**OPINION SURVEY**  
Johnston-Oehler Road  
Farm-to-Market Project - December 2009

Using the scale below where "1" is not important to you and "3" is very important how much emphasis should be placed on the following items when planning the Road Farm-to-Market Project by circling your response. Please select "0" if you h

Item	Item Description	No Comment			Not Important To You				
		0	1	2	3	4	5	6	7
1	Sidewalks	0	1	2	3	4	5		
2	Planting Strips	0	1	2	3	4	5		
3	Bicycle Lanes	0	1	2	3	4	5		
4	Landscaped Median	0	1	2	3	4	5		
5	Curb and Gutter	0	1	2	3	4	5		
6	Street Trees	0	1	2	3	4	5		
7	Enhanced Pedestrian Crossings	0	1	2	3	4	5		
8	Left Turn Lanes	0	1	2	3	4	5		
9	Street Lighting	0	1	2	3	4	5		
10	Intersection Improvements	0	1	2	3	4	5		

Additional Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Questions?

# Thank You for Your Input!