**Town Council Meeting** 

November 17, 2020

Prepared by:

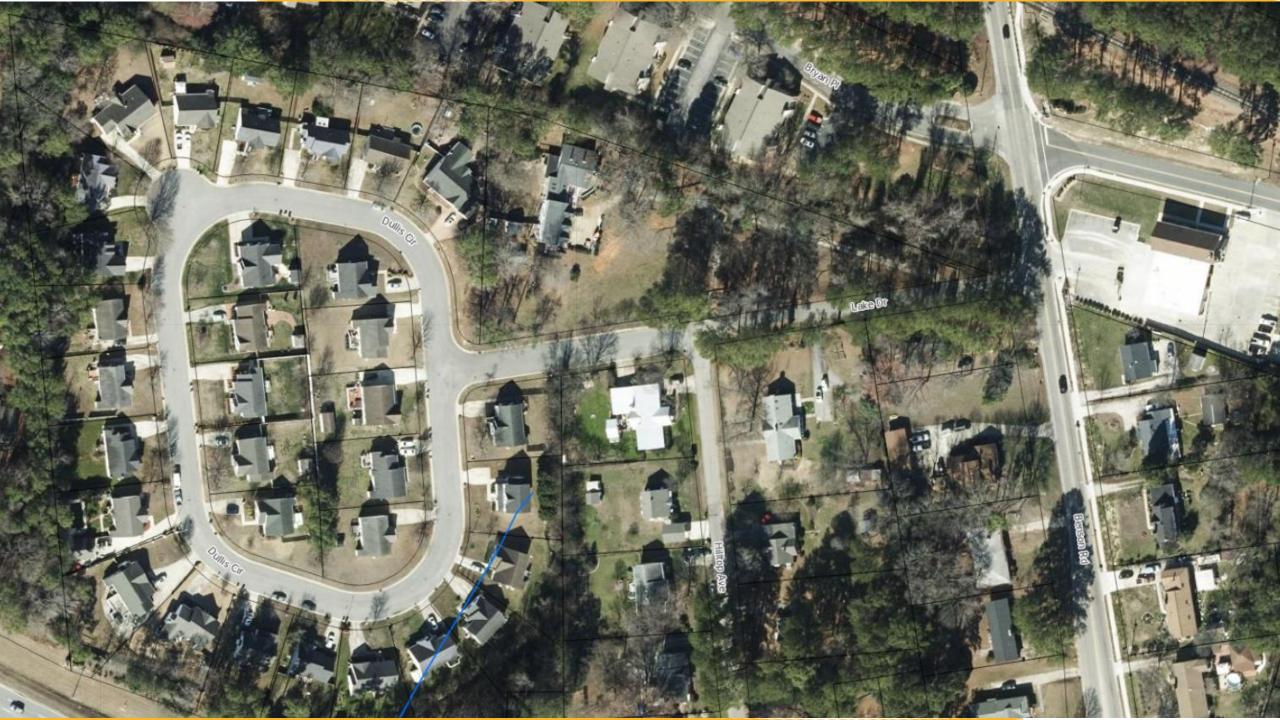
Chris Johnson, PE – Town Engineer



#### Agenda

- Project Background
- Project Budget
- Work Completed to Date
- Public Meeting (2/11/20) and Citizen Feedback
- Design Alternatives Considered
- 3D Visualization of Recommended Design Alternative
- Staff Recommendations
- Next Steps





#### **Project Background**

- Lake Drive is primary access to NC 50 for 30+ single family homes
- US70/NC 50 Bridge Replacement project (B-4654)
  - Design will close Hilltop Avenue access to US-70
  - Lake Drive will become primary/sole ingress/egress route
- Eastern block of Lake Drive does not meet current Town standards
  - Narrow travel lanes
  - No curb and gutter
  - No sidewalk
  - Drainage problems
  - Limited sight distance from trees adjacent to pavement















#### Project Budget

Design (Arcadis)		\$ 58,090
ROW and Private Utility Relocations		\$130,000
Construction (Roadway)		\$341,000
	Total	\$529,090
	Say	\$530,000

Note: Project budget excludes costs for waterline upgrade. Waterline costs will be reimbursed by Raleigh Water via an agreement to be finalized at a later date.



#### **Work Completed to Date**

✓ On-Call Design Agreement with Arcadis July 201	with Arcadis Ju	On-Call Design Agreement with Arca
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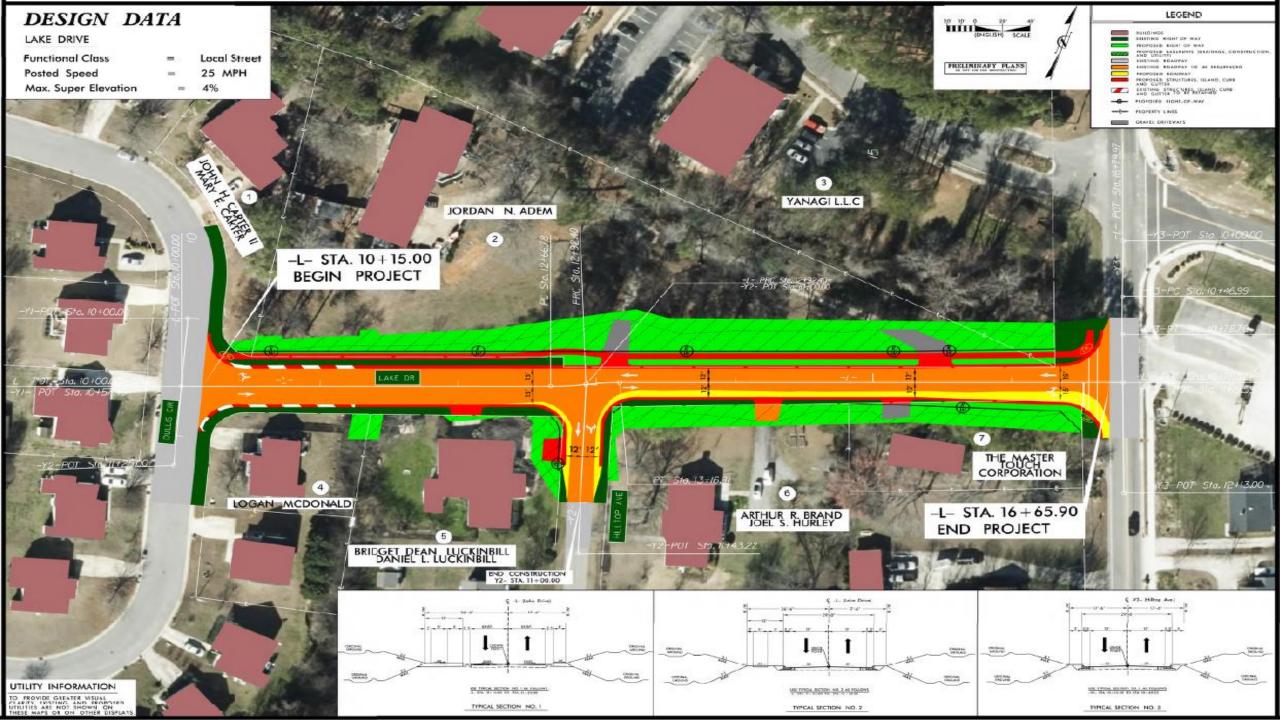
✓ Statement of Work #1	(Lake Drive)	July 2019
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✓ Preliminary Design	Fall 2019

- ✓ Design Alternatives Reviewed March 2020 (COVID-19 delays)
- √ Waterline design incorporated (Raleigh Water) July 2020
- ✓ Town Council Presentation November 2020

#### **Public Meeting**

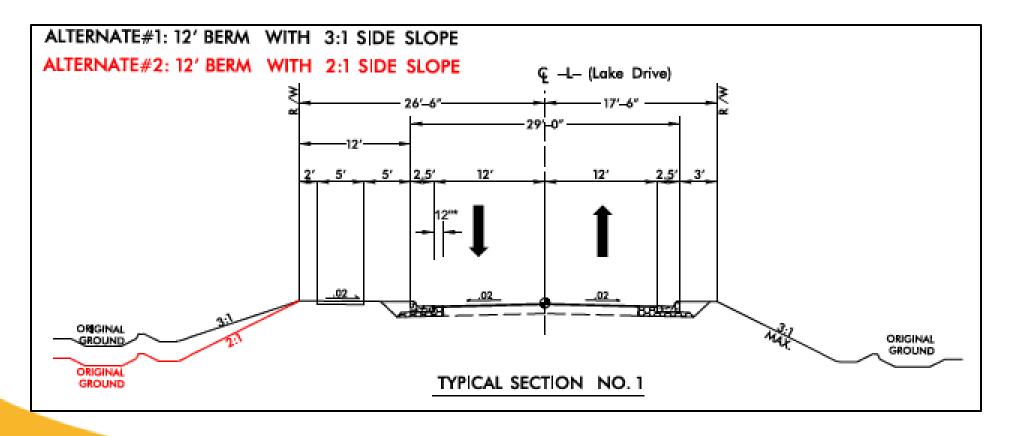
- Held February 11, 2020 @ 6:00 pm (Garner Fire Rescue)
- 18 Attendees
- Reviewed Public Meeting Map
  - Including ROW and easements required for project
  - Staff responded to questions/concerns



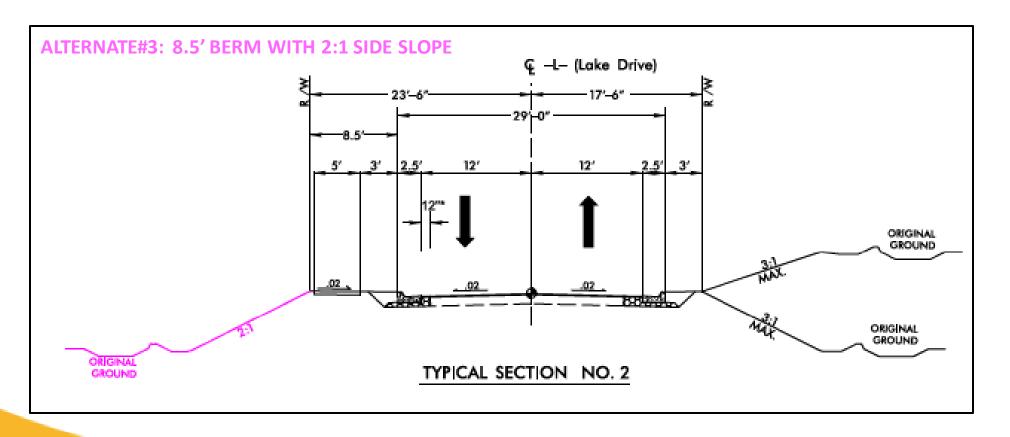
#### **Public Feedback**

- Concerns with loss of trees/privacy, most notably along Parcel 2
- Sidewalk or no sidewalk (some owners liked sidewalk, some did not)
- Concerns with parking on street during downtown events
- Concerns with drainage and icing east of Hilltop Ave during winter months
- Narrow lanes along Lake Drive east of Hilltop Ave

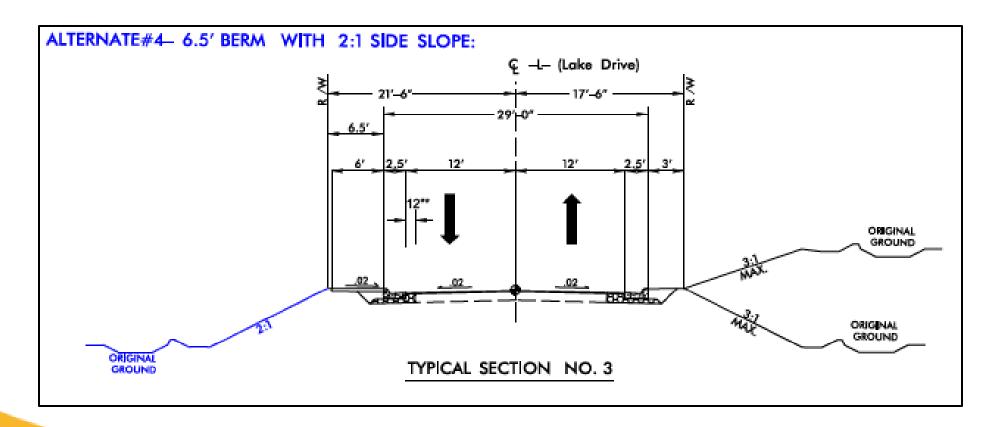




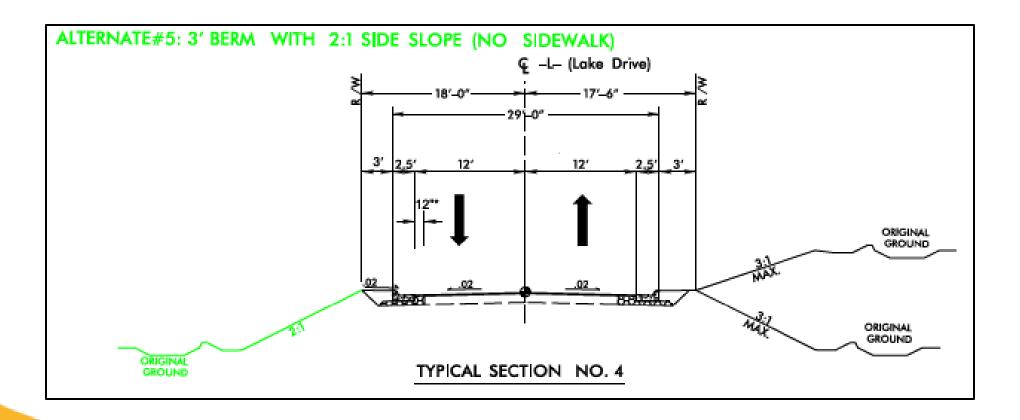




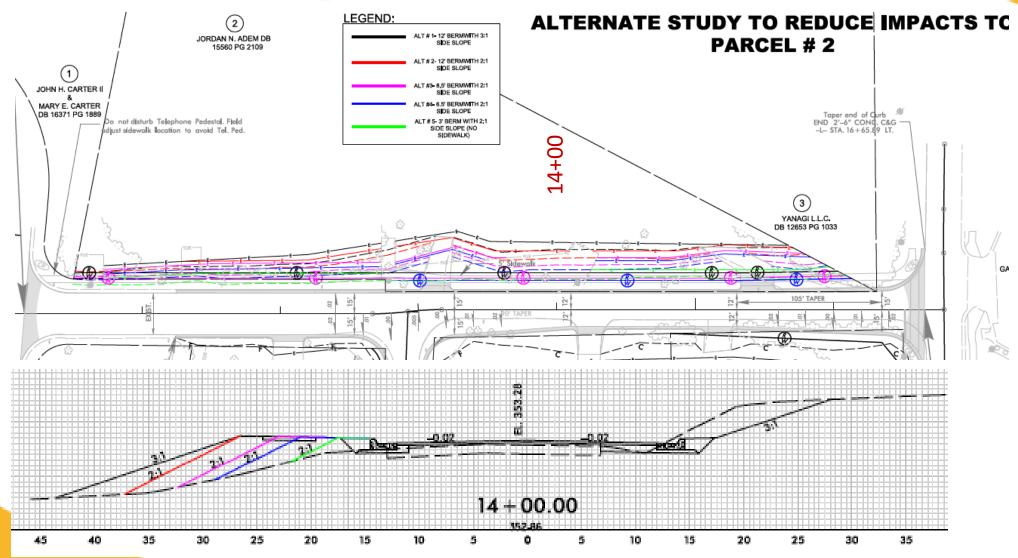














#### IMPACTS TO PARCEL # 2

IMPACTS	AREA TAKEN				
	ALT #1	ALT #2	ALT #3	ALT #4	ALT #5
R/W	5,700 SF	5,700 SF	3,750 SF	2,835 SF	2,835 SF
TEMP. EASEMENT	7,550 SF	6,025 SF	5,375 SF	4,810 SF	1,925 SF

#### **Staff Recommendations**

Council authorize staff to proceed with finalizing design plans in accordance with Alternative 4, which includes installing 6' wide sidewalk abutting back of curb.



# 3D Visualization of Recommended Design Alternative



#### **Next Steps**

Land Acquisition Phase Winter 2021

Finalize Design Plans/Permitting Spring 2021

Final bid documents Summer 2021

Advertise for construction Summer 2021

Council award project Fall 2021

Begin construction Late 2021

Complete construction Summer 2022



# **Questions?**

