



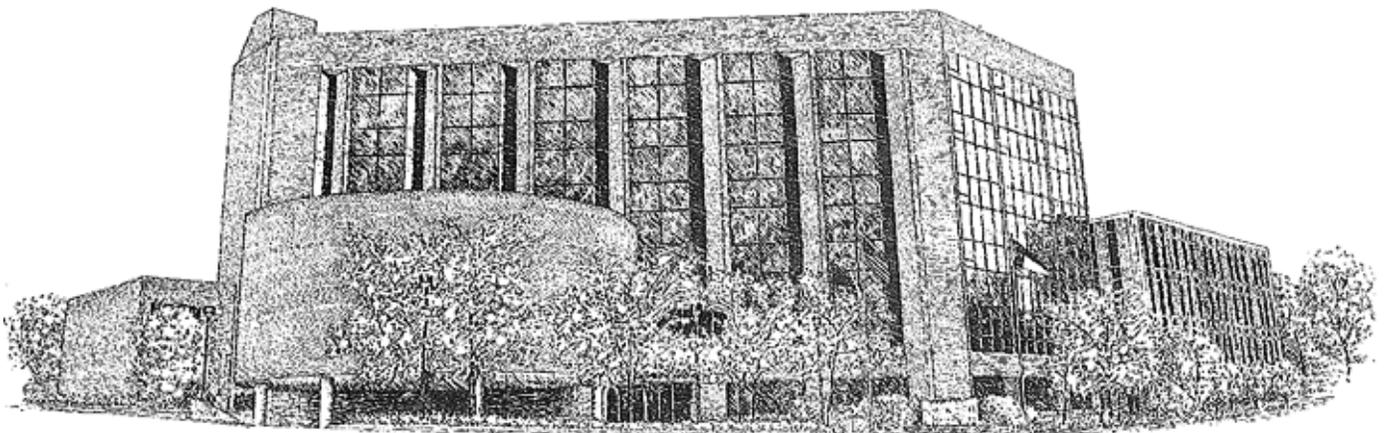
# Official Agenda

**RALEIGH CITY COUNCIL**

**Nancy McFarlane, Mayor**  
**Kay C. Crowder, Mayor Pro Tem**  
**Mary-Ann Baldwin**  
**Corey D. Branch**  
**David N. Cox**  
**Bonner Gaylord**  
**Russ Stephenson**  
**Dickie Thompson**

**TUESDAY, FEBRUARY 9, 2016**  
**4:00 P.M. WORK SESSION**  
**CONFERENCE ROOM 305**

## **Avery C. Upchurch Government Complex**



**222 West Hargett Street, Raleigh, North Carolina 27602**



**A. MEETING CALLED TO ORDER BY THE MAYOR****B. AGENDA****1. Raleigh Bike Plan Update**

Eric Lamb, City Planning

The City Council approved the City's current bicycle plan in 2009, which guides the development and programming of the City's on-street bicycling network. Staff will provide an overview of the implementation of the City's bicycle facilities and the BikeRaleigh program since that plan was adopted. Staff will also review the progress on the update of this bicycle plan, which incorporates current best practices, both nationally and from Raleigh's experience with implementation and operation. The plan proposes to refine the BikeRaleigh program to serve a broader segment of the public by creating a bicycling network appropriate for all ages and abilities.

**2. Telecommunications/Fiber Update**

Kenneth Ritchie, Transportation Field Services, Public Works

Staff will review with Council the following:

1. History and status of google fiber deployment
2. Update on major telecommunication projects and coordination
  - Upcoming actions and organizational impacts
  - Industry coordination
  - Community impacts

**3. Economic Development Toolkit Update**

James Sauls, Economic Development

As a follow-up to the presentation at the April 21, 2015 City Council Work Session, staff was asked to identify tools within the Economic Development Toolkit that would come to Council for consideration. After Council review, the individual tools would be referred to the Economic Development and Innovation Committee for further discussion before returning to City Council.

The tools below are being developed as part of the City's Strategic Plan and are designed to help accomplish the following objectives identified in the *Economic Development and Innovation Key Focus Area*.

- **Objective:** Cultivating an innovative and entrepreneurial culture based on shared strategic goals.
- **Objective:** Establishing a strong economic development program which utilizes strategic policies and a comprehensive tool kit of resources to strengthen Raleigh.
- **Objective:** Maintaining and developing amenities and infrastructure specifically attractive to economic development.

The following toolkit items are ready for review and discussion by the Economic Development and Innovation Committee:

- Innovation Fund
- Building Up-fit Grant
- Façade Grant
- Targeted Economic Development Zones
- Targeted Economic Development Infrastructure Fund – April Budget Session





## *City of Raleigh* *North Carolina*

February 3, 2016

### **MEMORANDUM**

**TO:** Ruffin Hall  
City Manager

**FROM:** Jason S. Myers, AICP  
Transportation Planner

**SUBJECT:** Raleigh Bike Plan Update

The City Council approved the City's current bicycle plan in 2009, which guides the development and programming of the City's on-street bicycling network. In the years since, Raleigh has made significant progress, achieving the primary goals of the 2009 plan and being named a Bronze-level Bicycle Friendly Community by the League of American Bicyclists. The on-street bicycling network has grown from approximately 4 miles of facilities in 2009 to over 65 miles today.

Over the past nine months, we have worked with community stakeholders to develop an update to the plan that incorporates current best practices, both nationally and from Raleigh's experience with implementation and operation. Staff has received public comments on the completed draft plan update and is currently working to finalize the plan for City Council consideration.

The draft plan can be read on the project website: <http://BikeRaleigh.org/bikeplan>. The plan includes recommendations concerning engineering, encouragement, evaluation, education, and enforcement. It lays out a strategy for the next five to ten years to improve the health, safety, and transportation options for our residents and visitors. It proposes to refine the BikeRaleigh program to serve a broader segment of the public by creating and promoting a bicycling network appropriate for riders of all ages and abilities.

Chapter 3 includes a long-term comprehensive vision for an on-street bike network, while the Ten-Year Priority Plan in Chapter 4 identifies projects that can be achieved over the next five to ten years. When combined with existing bike facilities, the Ten-Year Priority Plan projects will provide a connected network for comfortable bicycling. In addition to the plan PDFs, links to online maps are available on the project website.

**Cc:** Ken Bowers, AICP  
Richard Kelly, PE  
Eric J. Lamb, PE



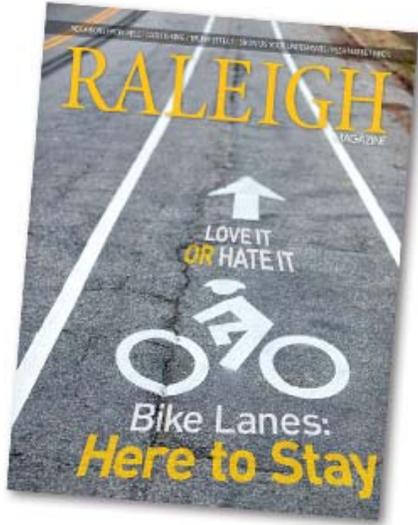
## City Council Work Session February 9, 2016



### Presentation Outline

- How did we get here?
  - Planning Framework
  - 2009 Bicycle Transportation Plan
  - Recent Implementation Actions
- Why be bicycle friendly?
- 2015 Update
  - Planning Process
  - Draft Plan Overview
  - Next Steps





How did we get here?



## 2030 Comprehensive Plan

- Policy T 1.3 Multi-modal Transportation Design
- Policy T2.1 Integration of Travel Modes
- Policy T2.5 Multi-modal Grids
- Policy T3.1 Complete Street Implementation
- Policy T3.2 Accommodating Multiple Users
- Policy T3.3 Redefining LOS
- Policy T5.1 Enhancing Bike/Pedestrian Circulation
- Policy T5.2 Incorporating Bicycle and Pedestrian Improvements
- Policy T5.3 Bicycle and Pedestrian Mobility
- Policy T5.4 Pedestrian and Bicycle Network Connectivity
- Policy T5.6 Bridges, Underpasses, and Interchanges
- Policy T5.7 Capital Area Greenway
- Policy T5.8 Workplace Bicycle Facilities
- Policy T5.11 New Bike Routes
- Policy T 7.1 Safety Improvements
- Policy LU2.5 Healthy Communities
- Policy RC1.7 Regional Bicycle Planning



5

## Strategic Plan Links

### Growth & Natural Resources

- Initiative 4.4: Adopt and implement a Complete Streets policy.

### Transportation & Transit

- Initiative 2.1: Identify and implement projects that strengthen connections between modes.
- Initiative 2.4: Make investments to position select greenway trails as transportation options.

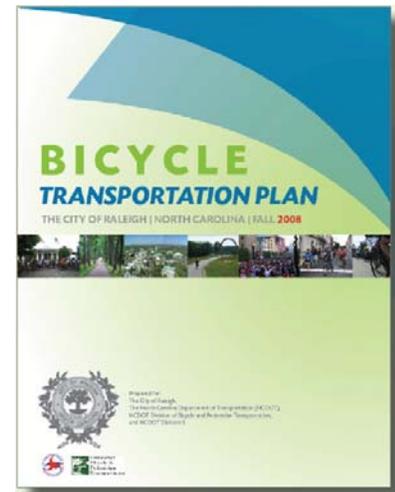
## CITY OF RALEIGH STRATEGIC PLAN



6

## 2009 Bicycle Plan

- 1. Quadruple the 2000 Census bicycle commute rate by 2015. ✓
- 2. Complete this plan's top five priority bicycle projects by 2011 and complete the top twenty by 2015. ✓
- 3. Become designated as a 'Bicycle-Friendly Community' by 2010 by the League of American Bicyclists. ✓
- 4. Launch/participate in three new programs in three years. ✓



7

## 2009 Plan Implementation

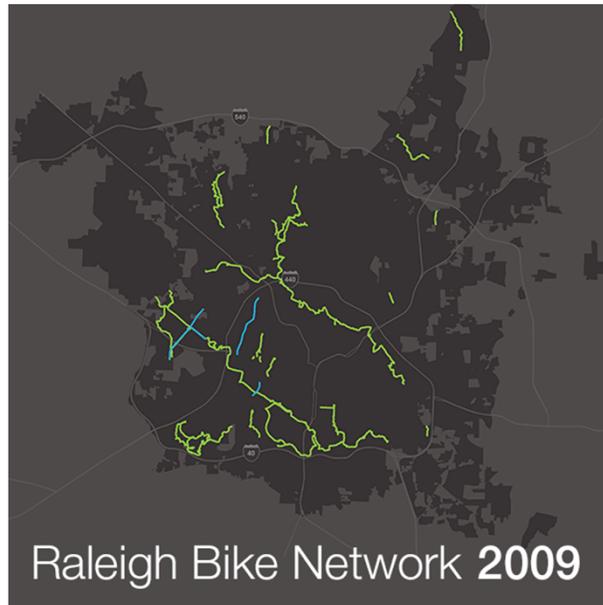
- BPAC established
- Bicycle Friendly Community awarded
- Bicycle & Pedestrian Program Manager position established
- BikeRaleigh Branding developed
- Significant increase in Infrastructure



8

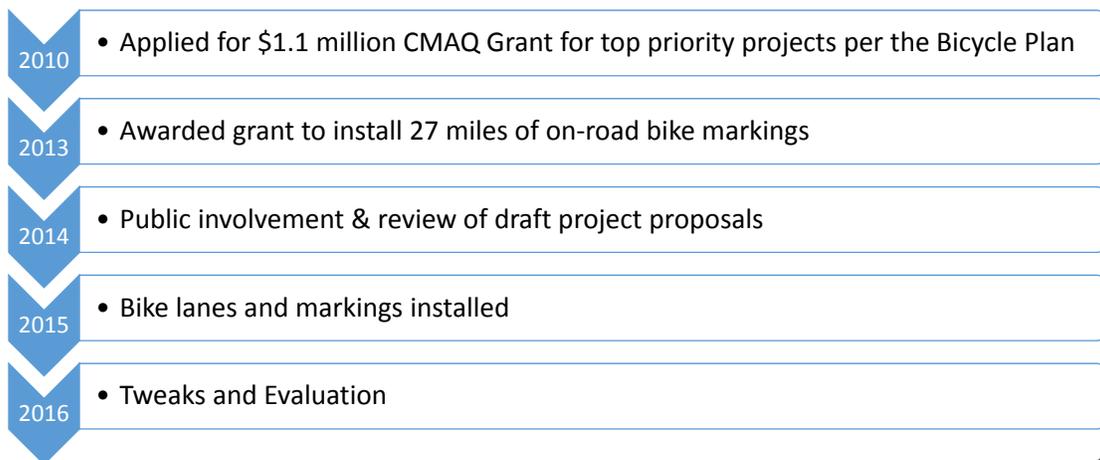
## Network Growth

- 2009
  - 67 miles of greenway
  - 4 miles on street
- 2011
  - 73 miles of greenway
  - 12 miles on street
- 2013
  - 101 miles of greenway
  - 26 miles on street
- Now
  - 114 miles of greenway
  - 66 miles on street



9

## CMAQ Project Timeline



10

## Project Selection

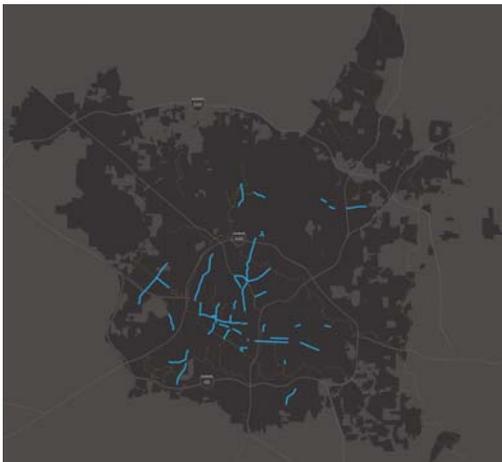
- Priority rankings in 2009 Bicycle Plan
- Ease of Implementation
  - Cost
  - NCDOT Coordination?
  - Time constraint associated with grant
- Provided long-term network connectivity
- Avoided conflicts with other projects



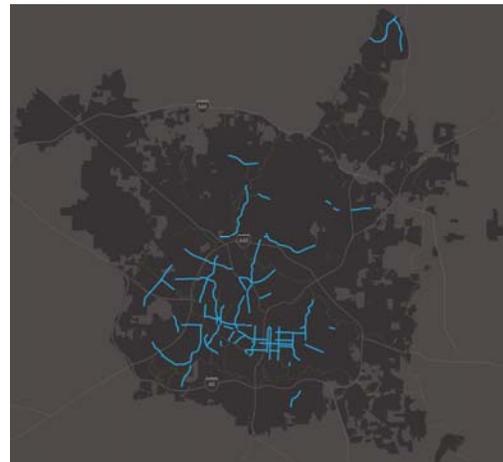
11

## Pavement Marking Design Project (CMAQ)

**Before**



**After**



12

## Lessons Learned

- Too much time between public meetings & project construction
  - January 2014 public meetings / November 2015 implementation
- Need better advance warnings for community
  - Variable message boards, postcards
- Intersections
  - Need to improve transitions on approaches
  - Timing of traffic signal updates
- More public education on facility types



13

## Next Steps

- Additional painting to improve transitions
- Monitoring of traffic data
  - Changes in speeds
  - Changes in crash patterns
  - Changes in bicycle volumes
- Determine if any modifications are required
- Update Bicycle Plan



14

# Why Be Bicycle Friendly?

15



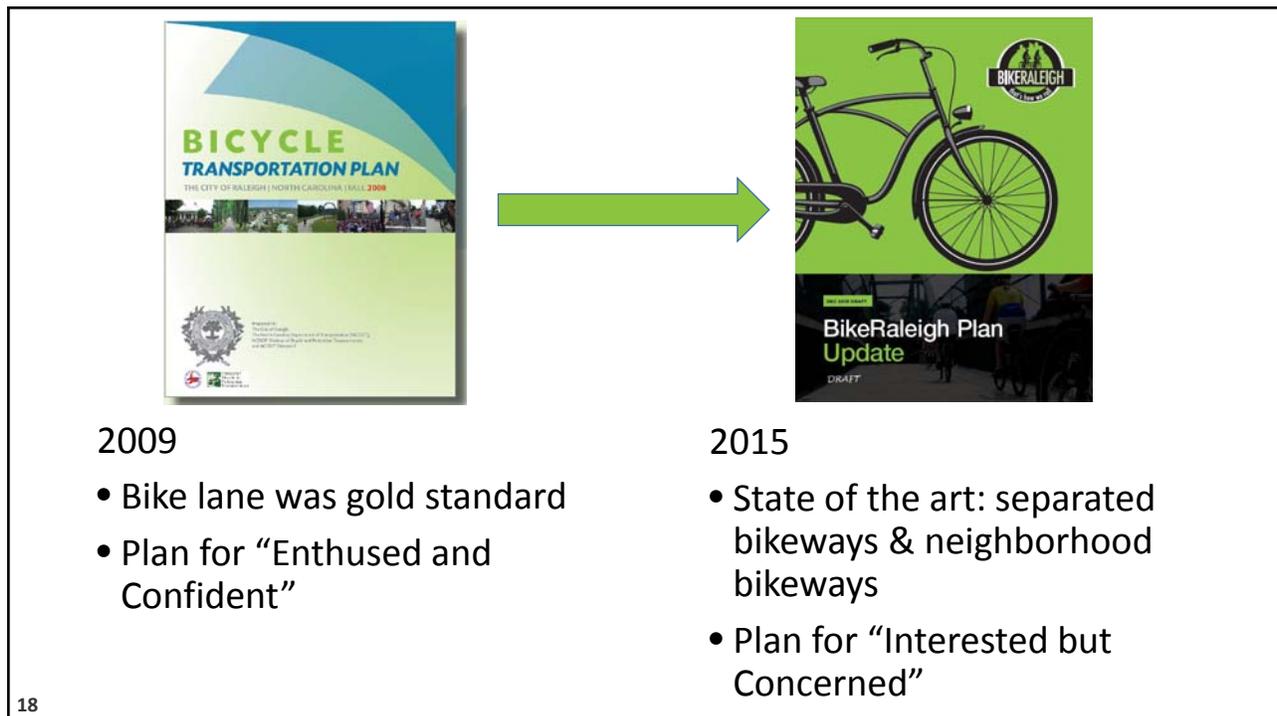
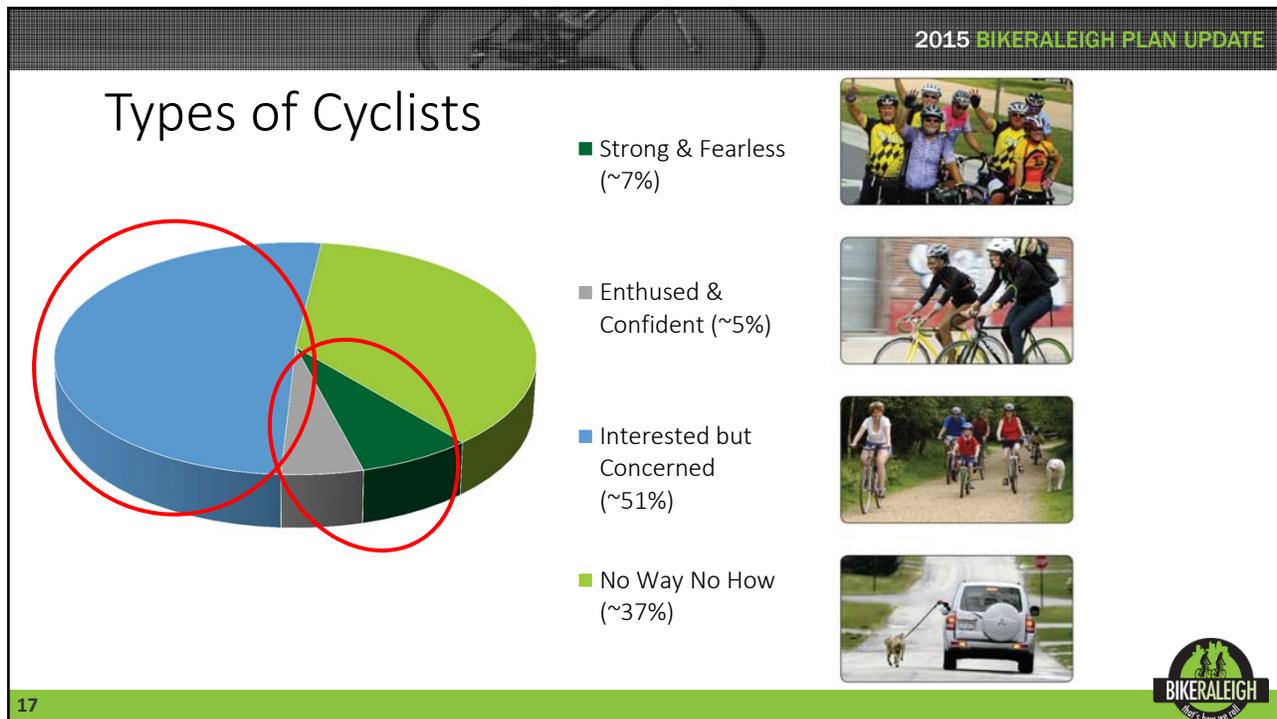
## Benefits

Being bike friendly leads to more biking...which leads to many benefits:



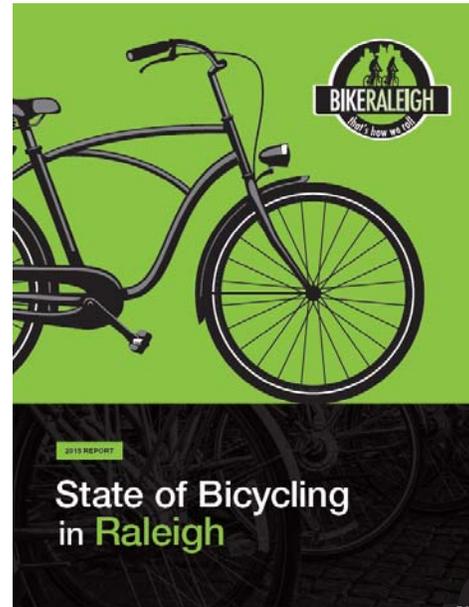
16





## Existing Conditions

- *State of Cycling in Raleigh* Report
- Analyses
  - Review 2009 Action Steps
  - Network Gaps
  - Level of Traffic Stress
  - Ridership Data
  - Crashes
  - Demographic and Equity
- Riders of all ages and abilities not currently served on-street



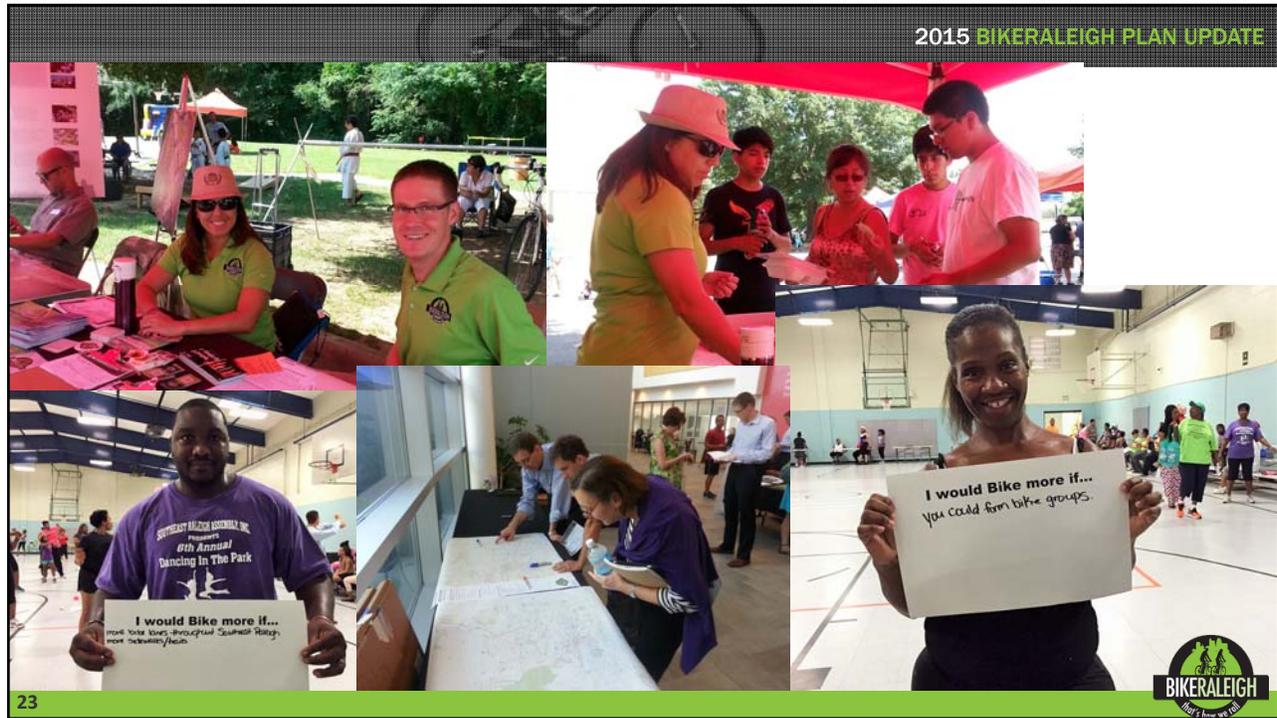
## 2015 STEERING COMMITTEE



## 2015 VISION STATEMENT

Raleigh is a place where people of **all ages and abilities** bicycle **comfortably** and **safely** for transportation, fitness, and enjoyment. The BikeRaleigh network is **integrated** into the **transportation** system to **connect** people to where they live, work, play, and learn.

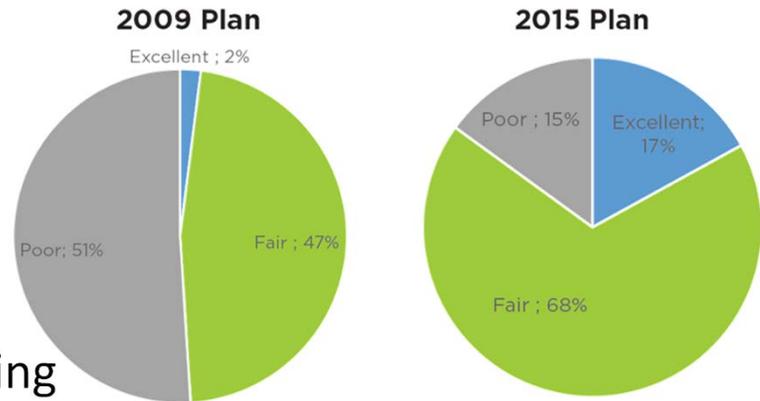




## The Five E's

- Engineering
- Education
- Encouragement
- Enforcement
- Evaluation & Planning

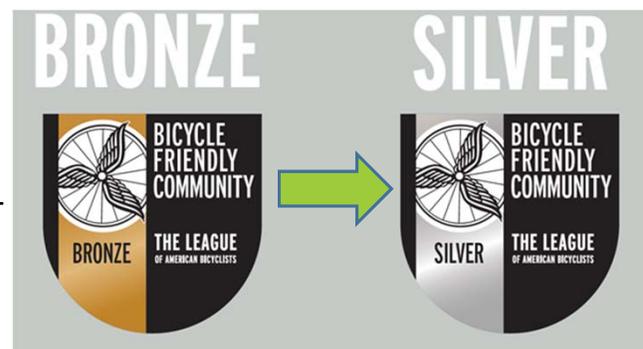
How do you rate bicycling conditions?



25

## Plan Goals

1. Complete priority projects
2. Build more on-road bike facilities that serve all *ages and abilities*
3. Become designated as silver-level Bicycle Friendly Community
4. Expand and improve programs offerings



26

## All Ages and Abilities Network

- Major Early Public Input
  - Love biking the greenways!
  - Normal bike lanes won't get many to ride
- Response:
  - Part of the network is "all ages and ability"
  - Greenways, Separated Bikeways, and Neighborhood Bikeways

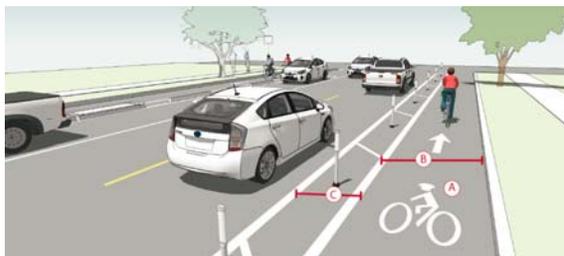


27



## Separated Bikeways

- Physically separated from motor vehicle traffic within a street corridor
- Include: sidepaths, cycle tracks, and buffered bike lanes



28



## Separated Bikeways



29

## Neighborhood Bikeways

- Low speed and volume streets
- Pavement markings and signs for wayfinding
- Sometimes include traffic calming elements to keep volumes or speeds down



30

## Bike Lanes

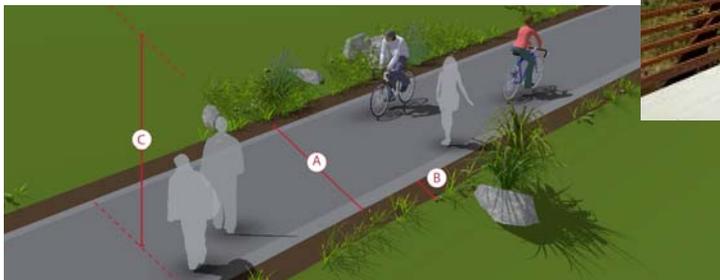
- Still an important part of Complete Streets approach
- Improve safety
- Help reduce conflicts



31

## Greenway Trails

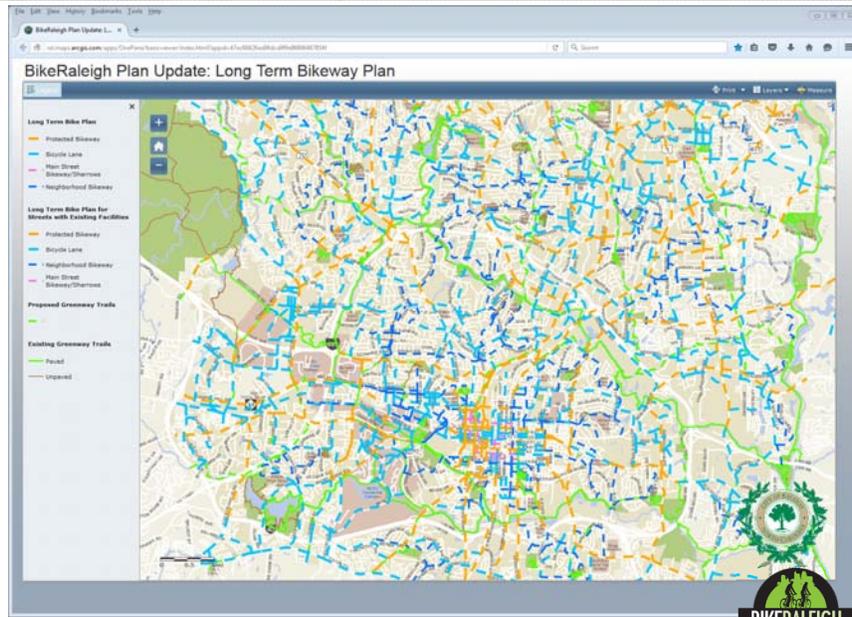
- An important part of the network
- Shared use paths that follow street corridors



32

## Long Term Bikeway Plan

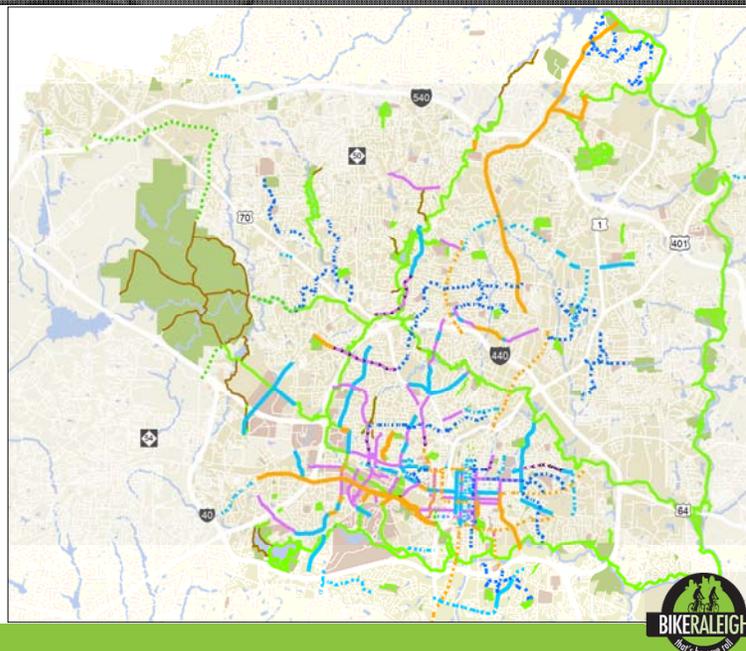
- Part of Comprehensive Plan
- Directs development-provided public improvements
- Guidance for resurfacing program and CIP project scoping
- A vision for a **master plan**



33

## Ten-Year Priority Plan

- Public strategy document
- Goal for what we can achieve in 5-10 years
- Built on existing and programmed infrastructure



34

# Bike Routes and Wayfinding



Raleigh Neighborhood Bikeway Wayfinding + Orientation Signage

Design subject to availability of materials and capability of selected vendor. Local vendor can suggest best practices for materials, application, and flexibility.



# Programs



BICYCLE SAFETY PROGRAMS & SAFETY TOWN



## Policy Recommendations

- Complete Streets Policy
- Street Design Standards
- Bicycle Parking
- Greenways Operations
- Facility Maintenance



*The City of Los Angeles purchases small street sweepers specifically for cycle track maintenance to ensure the facilities are clear of debris.*



37

## Implementation



38



## Anticipated Next Steps

- Late Feb. • Final Plan Completed
- Early Mar. • Final Steering Committee Meeting
- Mar. 21 • BPAC Review Complete
- Apr. 5 • Final Plan Ready for City Council Consideration



## Questions?



## Network Prioritization



### Prioritization Criteria

- Access to greenway
- Access to high density residential
- High level of bike crashes
- Low, current bike service
- Connects to multiple destinations
- Equity

### Qualitative Evaluation

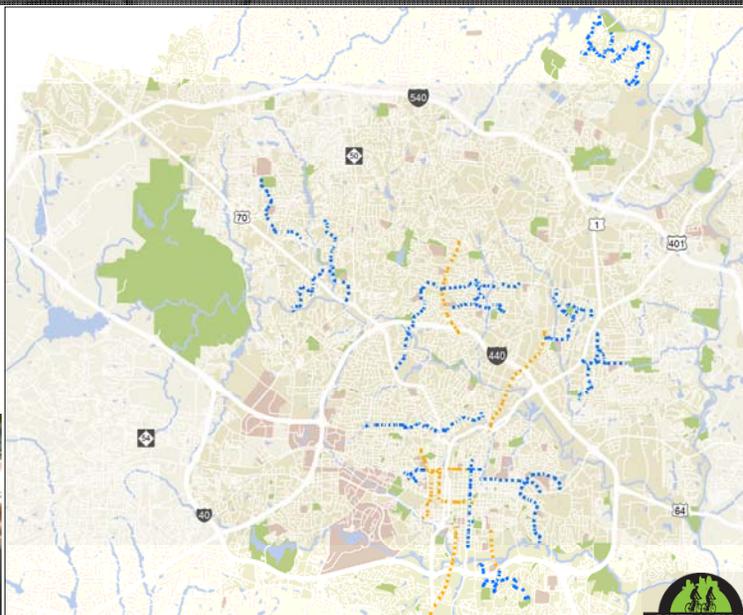
- Public Input
- Coherent Network
- Implementation Considerations
- Build on other plans' momentum



41

## Ten-Year Priority Plan

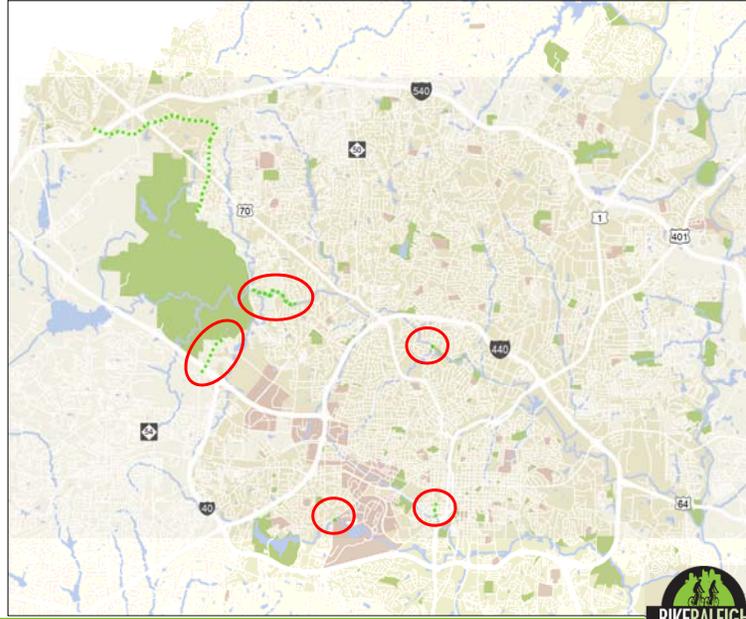
- On-Street All Ages and Abilities Network:
  - Separated Bikeways
  - Neighborhood Bikeways



42

# Ten-Year Priority Plan

- Programmed Greenway Trails



# TELECOMMUNICATIONS/FIBER UPDATE

**KENNETH W. RITCHIE, PE** | ENGINEERING PLAN REVIEW MANAGER,  
PUBLIC WORKS

**FEBRUARY 9 » 2015**



## AGENDA

- Google Fiber Update
  - Milestones
  - Permitting/Construction Status
- Major Telecommunications Projects and Coordination Update
  - Upcoming Action
  - Organizational Impacts
  - Coordination with Google and AT&T
  - Community Impacts
- Questions



## GOOGLE FIBER UPDATE



## GOOGLE MILESTONES

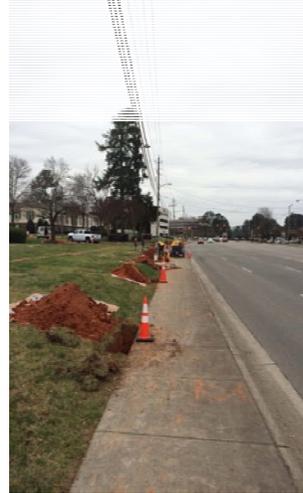
- **January 2015** – Google Fiber announces selection of Raleigh for fiber deployment
- **February 2015** – Weekly coordination meetings between City staff and Google Fiber commences
  - Bechtel is the installation contractor for local construction
  - Involved City of Raleigh departments: City Manager; City Attorney; IT; Parks, Recreation, and Cultural Resources; Public Affairs; Public Utilities; and Public Works and Housing & Neighborhoods.
- **May 2015** – Terms and conditions for guiding placement of Google Fiber Huts on City property approved by City Council
- **June 2015** – Google Fiber hut locations approved by City Council
- **June 2015** – First Google Fiber encroachments submitted
- **August 2015** - City Council authorization to City Manager to negotiate and execute a Master Encroachment Agreement with Google Fiber North Carolina, LLC
- **September 2015** – First Google Fiber construction permits issued
- **January 2016** – First of 10 proposed Google Fiber Huts completed
  - Location: North Hills Park – 100 Chowan Circle



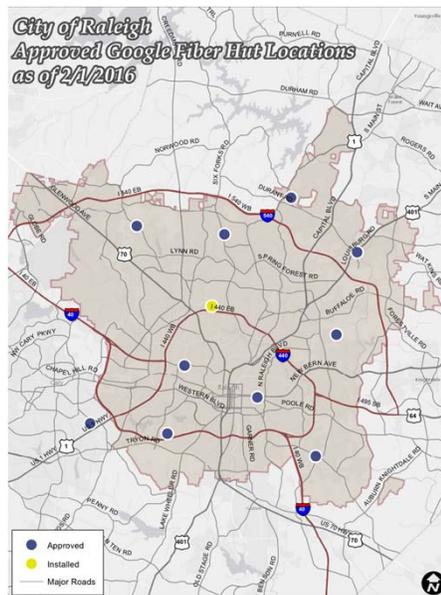
## GOOGLE PERMITTING/CONSTRUCTION STATUS

(As of 2/1/2016)

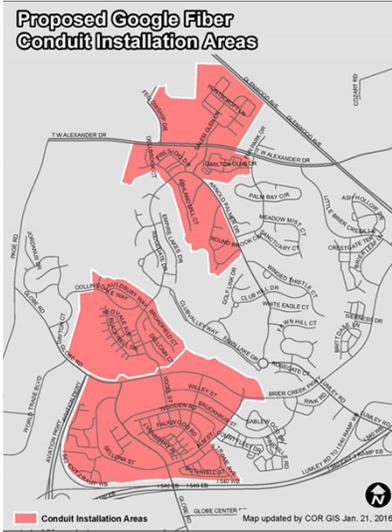
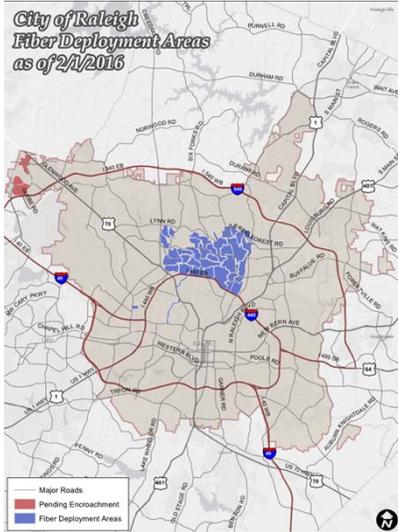
- # of Encroachment Packages Approved: 4
- # of Construction Permits Issued: 42
- # of Sidewalk/Lane/Street Closures: 139
- # of Miles of Fiber Approved: 91
- # of Construction Crews (current) : 20



## GOOGLE FIBER HUT LOCATIONS



## GOOGLE FIBER DEPLOYMENT MAP TO DATE

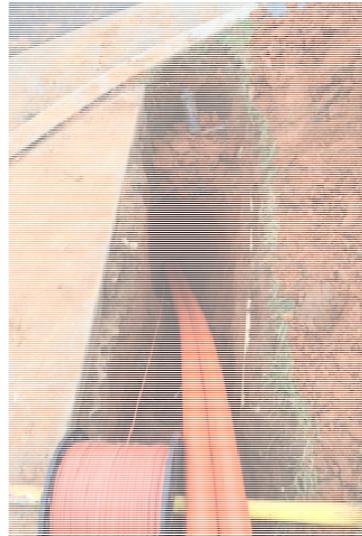


## MAJOR TELECOMMUNICATIONS PROJECTS AND COORDINATION UPDATE



## UPCOMING ACTION

- **Master Encroachment Agreement**
  - Terms of this instrument remain under negotiation. Until the agreement is finalized timely encroachment requests are being placed on the consent agenda
  - Staff will be preparing a consent agenda item addressing immediate encroachment needs for the Brier Creek area to be placed on the February 16 agenda
  - Master Encroachment Agreement is intended to eliminate the need for individual encroachment requests to be presented to Council
  
- **Public Utilities Mailer**
  - [Public Utilities Your Service Connection - Feb 2016](#)



## ORGANIZATIONAL IMPACTS

- 40 % increase in utility locate requests
- 66 % increase in inspections associated with telecomm and fiber installation
- 10-15 citizens inquires received on average per week by City staff
- Increased necessity for emergency response by Public Utilities and Public Works staff due to utility strikes during fiber installation
- Coordinated effort between Public Works and Public Utilities to shallow depth at which fiber is installed to minimize potential utility strikes

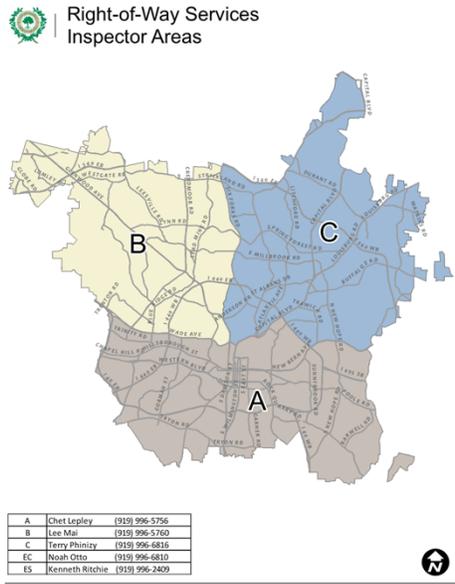


## COMMUNICATION COORDINATION

- Google
  - Customer Service
    - Service Inquiries (24/7): 1-866-777-7550
    - Construction Inquiries (24/7): 1-877-454-6959
    - <https://fiber.google.com/support/>
  - Door Hanger (available in both English and Spanish)
- AT&T
  - Customer Service
    - Phone: 919-835-1325
    - Email: [rd5264@att.com](mailto:rd5264@att.com)
- City of Raleigh Customer Service
  - General Construction Concerns: 919-996-6810
  - Water/Sewer Damage (24/7): 919-996-3245
  - [Gigabit Fiber Construction](#)



## CITY OF RALEIGH FIELD STAFF CONTACTS



## COMMUNITY IMPACTS

- Common Concerns
  - Utility Service Interruptions
  - Right-of-Way Infrastructure Access limitations
  - Property Damage
    - Landscaping
    - Irrigation
    - Invisible Fence
  
- Scope of Construction Activity
  - Aerial fiber installation on new and existing utility poles
  - Boring and trenching of fiber conduit



## THANK YOU » QUESTIONS

**KENNETH W. RITCHIE, PE** | ENGINEERING PLAN REVIEW MANAGER,  
PUBLIC WORKS

FEBRUARY 9 » 2015



**CITY OF RALEIGH**  
**REQUEST FOR ENCROACHMENT AUTHORIZATION**

**TO:** Ruffin L. Hall  
City Manager

**FROM:** Richard L. Kelly  
Interim Public Works Director

**DATE:** January 21, 2016

<u>Location:</u>	Various locations throughout the city
<u>Type of Encroachment:</u>	30,622 feet of fiber optic cable, 175 access vaults and 3 LCP (local convergence point) cabinets
<u>Owner of Encroaching Facility:</u>	Google Fiber North Carolina, LLC 1600 Amphitheatre Parkway Mountainview, CA 94043
<u>Reason for Request:</u>	Installation of 30,622 feet of fiber optic cable, 175 access vaults and 3 LCP (local convergence point) cabinets
<u>Impact of Encroachment on Right-of-Way:</u>	No impacts are anticipated.

Recommended Council Action:

Approve the encroachment subject to completion of a liability agreement, and documentation of proof of insurance by the applicant.



# Planning & Development

**Public Works Department  
Transportation Field Services Division**

One Exchange Plaza  
1 Exchange Plaza, Suite 304  
Raleigh, North Carolina 27601  
Phone 919-996-2410

## Major Encroachment Application

Date 12/18/15	Transaction #	Submittal deadline
Reviewed by the Encroachment Committee on		Submitted to City Council for approval on
<b>Applicant Information</b>		
Owner GOOGLE FIBER NORTH CAROLINA, LLC		
Address 1600 AMPHITHEATRE PARKWAY, MOUNTAINVIEW CA		Zip Code 94043
Phone Shivani Gandhi @ 240-481-7928	Fax # N/A	Email shivanigandhi@google.com
Tenant N/A		
Address		Zip Code
Phone	Fax #	Email
Project Contact Person: Betty Chang, Mkt Delivery Manager-Bechtel Associates Professional Corp.		
Phone: 919-379-1641	Fax # N/A	Email: bchang@bechtel.com
<b>Encroachment Information</b>		
1	Site(s) of Proposed Encroachment:	
SEE ATTACHED PERMIT DRAWINGS AND STREET INDEX FOR: SEGMENT RDU122-LCP-L0019, L0025 & L0026		
2	Dimensions of Proposed Encroachment:	
VARIES (SEE PERMIT DRAWINGS)		
3	Elevation/depth of Proposed Encroachment:	
VARIES (SEE PERMIT DRAWINGS)		
4	Timetable and Method of Installation:	
ESTIMATED START 3/15/16 ESTIMATED COMPLETION 12/31/16 DIRECTIONAL BORING AND PNEUMATIC BORING		
5	Duration of Proposed Encroachment:	
PERMANENT		
6	Description and Purpose of Proposed Encroachment:	
INSTALLATION OF LCP AREA-APPROXIMATELY FEET 30,622 ( 5.80 Miles) OF UNDERGROUND CONDUITS WITH APPROXIMATELY(175) ASSOCIATED VAULTS AND (3) LCP CABINETS		

**Encroachment Information Continued**

**7** Which lots will benefit by proposed encroachment?

Most properties along the proposed route

**8** Who will be responsible for long-term maintenance of proposed encroachment?

Google Fiber North Carolina, LLC

**City Use Only**

Review, comment and sign off. Please take special note of any impact the proposed encroachment may have on public safety and of any benefits or costs this encroachment would entail.

Inspections

Planning

Engineering

Transportation

Public Utilities

Parks & Recreation

Community Development

Information Services

Recommended Insurance Requirements

Annual Fee @ 48 cents per linear foot (transmission devices only) \$

Fee on monthly basis



# Planning & Development

**Public Works Department** Transportation Field Services Division  
 One Exchange Plaza Suite 727, Raleigh, NC 27601  
 phone 919-996-2410 fax 919-516-2681

## Major Encroachment Resolution 1996-153

This resolution establishes typical provisions for encroachment requests.

Whereas, The City Council receives and approves requests from private property owners, firms, or corporations to encroach upon the public maintained right-of-way;

Whereas, the City Council desires to establish an orderly process by adopting typical provisions for encroachment requests;

NOW, THEREFORE, be it resolved by the City Council of the City of Raleigh, North Carolina that decisions regarding encroachment requests shall be made, unless otherwise stated, in consideration of the following criteria:

### Covenants and Agreements

1	"As Built" drawings are required showing precise location of the encroachment and in the case of utilities, the drawing shall show all location of other utilities in the right of way area.
2	The owner is responsible for any and all expenditures of labor and materials required in the installation, erection, repair, maintenance, or location of the encroachment.
3	The owner is responsible for any and all labor, expenses or materials for all future maintenance, repair, removal, or dismantling of encroachment.
4	The owner is fully responsible for any and all property damage or injury to, or death of any person which results from any and all negligence, omission, defect in design, maintenance or workmanship created by the owner, its agents, employees, contractors or subcontractors, or any cause of action arising out of the installation, maintenance, or location of said encroachment.
5	The owner agrees to hold harmless the City, its officials, Council Members, and employees for any and all liability arising out of such negligence, omission, defect, or other cause of actions; that it will defend and pay all attorney fees in any and all actions brought about as a result of such and it will indemnify the City, its officials, Council Members, and employees against any and all loss sustained by reason of such negligence, omission, defect, or other cause of action arising out of the planting, installation, maintenance, or location of said encroachment.
6	Upon approval of encroachment request, the owner shall procure or cause to be procured from a responsible insurance carrier or carriers, authorized in the minimum amount of \$1,000,000 covering full liability for any and all personal injury, property damage, or wrongful death caused by construction, maintenance, location, repair, or visual obstruction of encroachment. Upon execution of the encroachment agreement between the owner and the City, the owner shall furnish to the City a "Certificate of Insurance", for general liability coverage with the minimum amounts as herein mentioned. The owner, during the life of the encroachment shall furnish the City without demand each July, or at the time of expiration as indicated on the "Certificate of Insurance": which is on file with the Zoning Division of the Inspections Department, an updated (original) "Certificate of Insurance" herein mentioned is carried, stating that such compensation is covered by such carriers and showing such insurance to be in full force and effect.  In the event of any change in the insurance policy, the owner shall give the City thirty (30) days notice of such change. Should the owner fail to pay premiums upon said insurance, or should owner fail to obtain said insurance, or to perform any of the agreements, terms, or conditions herein contained, the City at its option by written notice may declare this agreement canceled and terminated and all rights acquired hereunder by owner shall thereupon terminate, except owner shall still be responsible for removing the encroachment from the right of way.
7	The owner agrees as part of the consideration of the signing of its contract that its agents, officials, employees, or servants will not discriminate in any manner on the basis of age, handicap, sex, race, color, creed, sexual orientation, or national origin with the reference to the subject matter in the contract, no matter how remote. The owner hereto further agrees in all respects to conform with the provisions and intent of the City of Raleigh North Carolina ordinance No. 1969-889 as amended.
8	The owner agrees to abide by all applicable statutes and ordinances and shall secure all required permits prior to installation.
9	The agreement shall not divest the City of any rights or interest in said right of way.
10	The agreement shall be revocable at will by the Raleigh City Council and the encroachment is subject to removal upon request of the City at the owner's expense.
11	The agreement shall be binding upon the owner, successors, and assigns, and shall insure to the benefit of the City and its agents.
12	If applicable, the owner shall secure a "Certificate of Appropriateness", from the Historic District Commission prior to installation.
13	If applicable, the owner shall contact "One Call Center" 48 hours prior to installation and must stay 10' from existing utilities.
14	The owner shall avoid damage to adjacent street trees and no concrete wash is to be emptied in tree areas or lawns.

<b>Owner Signature</b>		<b>Date</b>
<b>Adopted:</b> June 4, 1996	<b>Effective:</b> June 4, 1996	<b>Distribution:</b> City Manager Inspections (3) Planning (3)

**STREET INDEX**

<b>Applicant</b>	Google Fiber North Carolina, LLC
<b>Contact Person</b>	<u>BCHANG@BECHTEL.COM</u>
<b>Hut #</b>	RDU122
<b>LCP #s</b>	LCP019, 025 & 026

**Location of Work**

**Street Names**

<b>Drawing Number</b>	<b>FROM</b>	<b>TO</b>
<b>H0122-L0019-PD-00001-17</b>	Block of Brier Club Lane	
288 PORT LCP CABINET	10700 Block Arnold Palmer Dr.	10800 Block Arnold Palmer Dr.
	9500 Bluemount Court	9509 Bluemount Court
	10800 Ashland Mill Court	10921 Ashland Mill Court
	9404 Centerwood Drive	9521 Centerwood Drive
	10700 Round Brook Circle	10857 Round Brook Circle
	9300 Naples Court	9313 Naples Court
	9300 Teton Pines Way	9321 Teton Pines Way
	9400 Clover Crest Court	9412 Clover Crest Court
<b>H0122-L0025-PD-00001-15</b>	11504 Helmond Way	11514 Helmond Way
576 PORT LCP CABINET	11505 Auldbury Way	11577 Auldbury Way
	9404 Collingdale Way	9501 Collingdale Way
	9400 Block of Arnold Palmer Drive	11700 Block of Arnold Palmer Drive
	11603 Broadfield Court	11734 Broadfield Court
	9402 Foxgrove Court	9434 Foxgrove Court
	9405 Misty Creek Lane	9509 Misty Creek Lane
	11704 Dellcain Court	11741 Dellcain Court
<b>H0122-L0026-PD-00001-18</b>	11801 Block Vogel Street	
576 PORT LCP CABINET	10207 Cerny Street	10208 Cerny Street
	10400 Fossil Creek Court	10440 Fossil Creek Court
	9920 Sellona Street	10040 Sellona Street
	9210 Bruckhaus Street	9250 Bruckhaus Street
	10100 Glen Autumn Road	10123 Glen Autumn Road
	9101 Falkwood Road	9347 Falkwood Road
	Block of Meadow Chase Drive	

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**PROJECT DESCRIPTION**

THIS PROJECT CONSISTS OF INSTALLING INFRASTRUCTURE FOR NEW FIBER OPTIC CABLE.

**PROJECT INFORMATION**

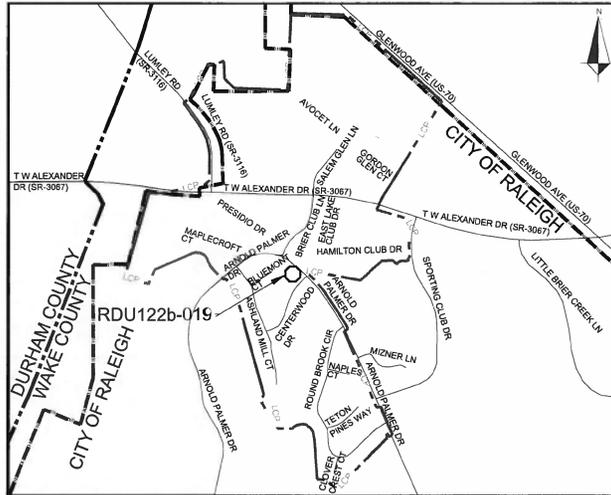
APPLICANT: BECTEL ASSOCIATES PROFESSIONAL CORPORATION  
 100 PERIMETER PARK, SUITE H  
 MORRISVILLE, NC 27560

PROJECT MANAGER: BETTY CHANG  
 ENGINEERING CONTACT: PAUL KOSKI  
 PERMITTING CONTACT: STEVE GRAHAM

**JURISDICTION INFORMATION**

JURISDICTION: CITY OF RALEIGH

# Google Fiber Project



VICINITY MAP  
 RALEIGH, NC



DRAWING INDEX		
DRAWING NO.	TITLE	REV
H0122-L0019-PD-00001	COVER SHEET	001
H0122-L0019-PD-00002	GENERAL NOTES	001
H0122-L0019-PD-00003	SYMBOLS AND ABBREVIATIONS	001
H0122-L0019-PD-00004	STANDARD DETAILS 1 OF 3	001
H0122-L0019-PD-00005	STANDARD DETAILS 2 OF 3	001
H0122-L0019-PD-00006	STANDARD DETAILS 3 OF 3	001
H0122-L0019-PD-00007	DRAWING INDEX	001
H0122-L0019-PD-00008	DRAWING INDEX-MODIFIED	001
H0122-L0019-PD-00009	MAP SHEET A-2	001
H0122-L0019-PD-00010	MAP SHEET B-1	001
H0122-L0019-PD-00011	MAP SHEET B-2	001
H0122-L0019-PD-00012	MAP SHEET C-2	001
H0122-L0019-PD-00013	MAP SHEET C-3	001
H0122-L0019-PD-00014	MAP SHEET D-2	001
H0122-L0019-PD-00015	MAP SHEET D-3	001
H0122-L0019-PD-00016	MAP SHEET E-2	001
H0122-L0019-PD-00017	MAP SHEET E-3	001
H0122-L0019-LL-00001	LCP LOCATION	000

BILL OF MATERIAL		
TYPE	QUANTITY	UNIT
LCP CABINET	01	EACH
X-LARGE VAULTS (NP15-6965)	04	EACH
LARGE VAULTS (NP13-6479)	01	EACH
SMALL VAULTS (NP15-7023)	10	EACH
DROP VAULTS (NP15-6957)	58	EACH

NO PERMISSION IS GIVEN THROUGH THE CITY OF RALEIGH PERMITTING PROCESS TO INSTALL ITEMS ON STATE MAINTAINED STREETS, PRIVATE PROPERTY, OR RAILROAD PROPERTY.

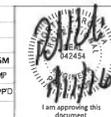
APPROXIMATE UNDERGROUND ROAD MILEAGE= 000 FEET  
 APPROXIMATE UNDERGROUND ROAD MILEAGE= 11657 FEET

**BECTEL ASSOCIATES PROFESSIONAL CORPORATION**  
 5275 WESTVIEW DRIVE  
 FREDERICK, MD 21703  
 PHONE: (301) 228-8000  
 NC LICENSE NO: C-0767

FIBER HUT ID #: RDU-122  
 LCP ID #: RDU122b-019  
 RALEIGH, NORTH CAROLINA

## Google Fiber Project

001	01/22/2016	ISSUED FOR USE (JURISDICTION UPDATE)	SKD	NKV	PA	SSM
000	12/23/2015	ISSUED FOR USE	JRY	NKV	PA	MP
NO.	DATE	REVISIONS	BY	CHK	SUPV	APPD.
SCALE	NTS	DESIGNED BY	SSA	DRAWN BY	JRY	



### Google Fiber Project

**COVER SHEET**

PROJECT NUMBER	DRAWING NUMBER	REV
25927-210	H0122-L0019-PD-00001	001

6

5

4

3

2

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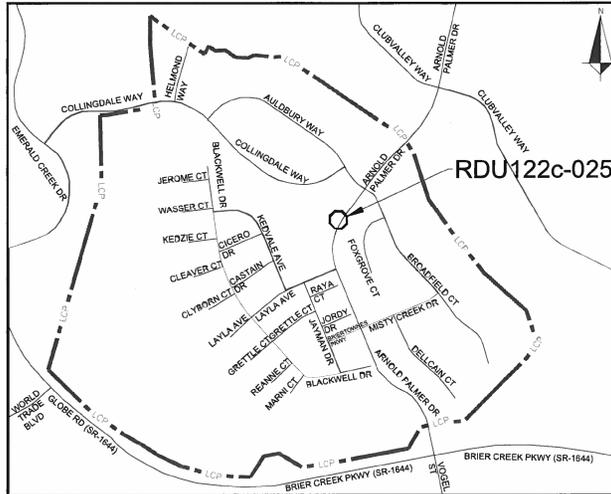
APPLICANT: BECHTEL ASSOCIATES PROFESSIONAL CORPORATION  
 100 PERIMETER PARK, SUITE H  
 MORRISVILLE, NC 27560

PROJECT MANAGER: BETTY CHANG  
 ENGINEERING CONTACT: PAUL KOSKI  
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**JURISDICTION INFORMATION**

JURISDICTION CITY OF RALEIGH

# Google Fiber Project



VICINITY MAP  
(RALEIGH), NC



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H0122-L0025-PD-00015	MAP SHEET D-3	001
H0122-L0025-LL-00001	LCP LOCATION	000

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LARGE VAULTS (NP13-6479)	01	EACH
SMALL VAULTS (NP15-7023)	14	EACH
DROP VAULTS (NP15-6957)	61	EACH

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APPROXIMATE AERIAL MILEAGE= 00 FEET  
 APPROXIMATE UNDERGROUND ROAD MILEAGE= 10020 FEET

**BECHTEL ASSOCIATES PROFESSIONAL CORPORATION**  
 5275 WESTVIEW DRIVE  
 FREDERICK, MD 21703  
 PHONE: (301) 228-6000  
 NC LICENSE NO: C-0757

FIBER HUT ID #: RDU-122  
 LCP ID #: RDU122c-025  
 RALEIGH, NORTH CAROLINA

Google Fiber Project

NO.	DATE	REVISIONS	BY	CHK	SUPV	APP'D
001	01/12/2016	ISSUED FOR USE (JURISDICTION UPDATE)	SKD	NEV	PA	SSM
000	12/21/2015	ISSUED FOR USE	SPS	NEV	PA	MP
SCALE:	NTS	DESIGNED BY:	PPA	DRAWN BY:	SPS	



Google Fiber Project

COVER SHEET

PROJECT NUMBER	DRAWING NUMBER	REV
25927-210	H0122-L0025-PD-00001	001

34 x 22 "D" SIZE

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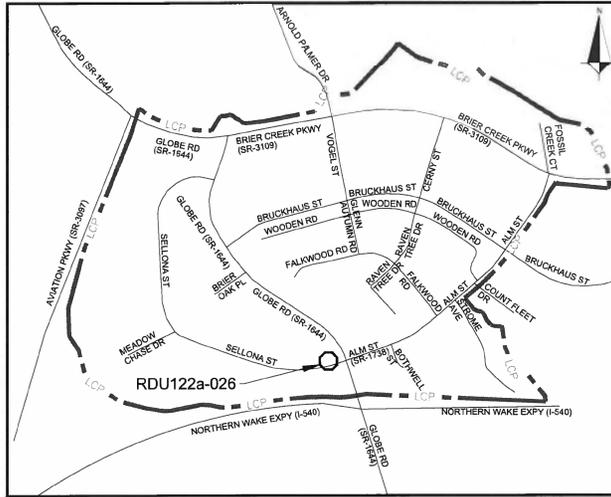
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# Google Fiber Project



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H0122-L0026-PD-00009	MAP SHEET A-2	001
H0122-L0026-PD-00010	MAP SHEET A-3	001
H0122-L0026-PD-00011	MAP SHEET A-4	001
H0122-L0026-PD-00012	MAP SHEET B-1	001
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 PHONE: (301) 228-6000  
 NC LICENSE NO: C-0757

FIBER HUT ID #: RDU-122  
 LCP ID #: RDU122a-026  
 RALEIGH, NORTH CAROLINA

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000	12/21/2015	ISSUED FOR USE	VYU	NKV	PA	MP
SCALE:	NTS	DESIGNED BY: DG	DRAWN BY: VYU			



Google Fiber Project

COVER SHEET

PROJECT NUMBER	DRAWING NUMBER	REV
25927-210	H0122-L0026-PD-00001	001

34 x 22 "D" SIZE





City of Raleigh  
Office of Economic Development

February 9, 2016



EDtoolkit



## What is it?

- Helps address challenges of changing economy and business needs
- Policies, procedures, programs and funding options that support economic development
- Defines economic development strategies
- Communicates economic development direction
- City Council approved



## How to develop?

- Priorities set by Council
- Consistent with Council's Strategic Plan
- Collaboration with partners, private sector and stakeholders
- New and revamped tools
- Multi-year approach
- Benchmark and improve





## Goals of the ED Toolkit

- Promote economic development in all of Raleigh
- Support small and large business growth/development
- Diversify our economy - international, small business, minority and women-owned
- Involve private sector, state, county, schools and non-profits



## Goals of the ED Toolkit, cont.

- Offer different tools for different applications
- Provide clear policy/program/strategy guidance for staff and Council
- Promote business-friendly environment
- Balance development with neighborhood/historic protection
- Encourage economic prosperity and equity





## Alignment with City's Strategic Plan - Economic Development and Innovation

- **Objective:** Cultivating an innovative and entrepreneurial culture based on shared strategic goals.
- **Objective:** Establishing a strong economic development program which utilizes strategic policies and a comprehensive tool kit of resources to strengthen Raleigh.
- **Objective:** Maintaining and developing amenities and infrastructure specifically attractive to economic development



innovation



business assistance and retention



business recruitment & marketing



Infrastructure



development



private/public partnership



workforce development



## Updates



### **Business Investment Grant (BIG)**

- Encourages the creation, retention and/or expansion of new or existing businesses and jobs within the community
- Provides grants to companies, usually based upon the amount of new property tax revenue to the City generated from the private business investment made
- Adopted November 2015





## Downtown City-owned Property

- Partnering with State on Project Phoenix
- Real estate office became part of city planning to be more strategic
- City selected HR&A Advisors, Inc. for acquisition and disposition study for downtown city-owned properties
- 301 Hillsborough Street – Closing first quarter 2016



## Hotel Study

- Completed downtown hotel market
- Presented report to Council - October 2015
- Identified need for additional hotel rooms
- Identified other impacts on hotels including parking requirements
- Completed sale of City property for Residence Inn at Raleigh Convention Center – September 2015





## Development Services Reorganization

- New department created – July 2015
- Hired new Development Services Director
- Additional metrics are under development to allow further streamlining of the already expedient development review process
- Expedited plan reviews and city process/project management is available to all ED projects



## Parking

- Parking study to begin soon focused on:
  - Market demand
  - Technology uses
  - Maximize use of existing facilities
- Evaluating parking reductions for hotel projects
- Public-private partnership to add parking in the Warehouse District





## Urban Main Replacement Reimbursement Policy

- Provides reasonable reimbursements to developers who are required to replace water/sewer mains to accommodate their developments
- Allows developments to stay on their market driven schedule
- Helps the City replace its aging infrastructure



## Urban Design Center

- Design policy, design assistance, civic design & implementation and historic preservation
- Increased focus on problem-solving development
- Increased focus on implementation: new program focused on project management and delivery





## New / Updated Policies



### Process for New Policies

- New policies are created to address needs of City's Strategic Plan
- Policies designed to create a comprehensive Economic Development Toolkit
- Economic Development Leadership Team and Strategic Planning Team develops DRAFT polices for review
- Policies are prioritized and sent to Economic Development and Innovation Committee





## Targeted Economic Development Zones

- What is an ED Targeted Zone
  - directs investment into areas of identified need
- Business Investment Grant (BIG) requires identified zones
- Data needed updating
- Methodology needed better alignment with goals of the BIG
- New map intended to replace the current ED map in the Comprehensive Plan



## Innovation Fund

- Create partnerships with universities and colleges that encourage design and creativity
- Received \$100,000 funding in FY15 and FY16 budgets
- Have implemented \$30,000 of funding on partnerships with NC State and HQ Raleigh
- Helps recruit and retain the Creative Class





## Façade Grant

- Created in the 1980s as an ED resource for properties in the Downtown and Pedestrian Business Overlay Districts
- Assisted 120 businesses
- Awarded close to \$1M in funds
- Generated \$3M in investment
- Updating and revising for Council consideration



## Building Up-fit Grant

- Stimulate new investment or reinvestment in buildings within the City of Raleigh
- Create jobs
- Targets small business, startups and retail
- Funding will be needed in FY17 budget to implement the policy





## Policies for Consideration in FY17 Budget



### Targeted Economic Development Infrastructure Fund

- Encourage new investment within the City
- Increase the tax base within the City
- Assist with retention and/or expansion of existing area businesses
- Create a sense of pride in the community
- Improve public safety





## Next Steps?



1. Send Toolkit to Economic Development and Innovation Committee
  - Targeted Economic Development Zones
  - Innovation Fund
  - Façade Grant
  - Building Up-fit Grant
2. Send Targeted Economic Development Infrastructure Fund to FY17 budget discussions



Thank you



City of Raleigh  
Office of Economic Development