



- 1. **General** ✓
- 2. [Background](#) ✓
- 3. [Collaborating](#) ✓
- 4. [Community](#) ✓
- 5. [Facilities](#) ✓
- 6. [Construction](#) ✓
- 7. [Regulatory](#) ✓

Get involved: Local government

1. General information

* Required fields

Name of governing body: *

City of Columbia, Missouri

You can create a name for each response. Name of this response:

Official Response

List communities included in your response:

These may be autonomous units of government contained within the boundaries of the responding entity (such as townships within a county), districts or neighborhoods within a town, or adjacent units of government responding together (such as a joint response of multiple counties or townships).

Immediate surrounding portions of Boone County.

If selected, the community would look at expanding to other cities in the county.

[Complete response](#)

[List of responses](#)

[Contact us](#)

[Download PDF](#)

Contact person:

Name: *

Robert Simms

Title:

Director Information Techn

Address: *

701 E. Broadway
Columbia, MO 65201

State: *

ZIP (5 Digit): *

65201

Phone number:

573-874-7664

Email: *

rfsimms@gocolumbiamo.c

Contact person has authority to provide these answers as the official position of the responding local government?

If not, please provide contact information for the local government official who does have such authority:



- 1. [General](#) ✓
- 2. **Background** ✓
- 3. [Collaborating](#) ✓
- 4. [Community](#) ✓
- 5. [Facilities](#) ✓
- 6. [Construction](#) ✓
- 7. [Regulatory](#) ✓

[Complete response](#)

[List of responses](#)

[Contact us](#)

[Download PDF](#)

Get involved: Local government

2. Background information about your community

* Required fields

Population (2008): *

If the response is for part of a city, please enter the corresponding population.

Populated area in square miles: *

If the response is for part of a city, please enter the corresponding populated area.

Please describe how the population is distributed:

50% Male/Female
 Median Age 30.7
 27% under age 19
 45% between 20 and 45
 28% over 45

Median household income (\$ per annum): *

Number of housing units: *

Number of single family homes:

Number of multi-family homes:

Number of apartment complexes:

Average number of units per apartment complex:

Number of gated communities:

Average number of housing units per gated community:

Approximate percentage of households in entire community with access to broadband Internet service (%):

Approximate percentage of households in entire community that are currently subscribing to broadband Internet service (%):

Terrain:

Overall description of terrain:

Generally rolling hills from northeast to southwest with agricultural plains to the north and east.

Percentage of plains (%):

20

Percentage of rolling hills (%):

70

Percentage of mountains (%):

0

Percentage other terrain (%):

10

Climate:

Average annual highest temperature (°F):

79

Average annual temperature (°F):

54

Average annual lowest temperature (°F):

26

Average amount of snowfall per year (inches):

21

Average amount of rainfall per year (inches):

39

Average amount of hurricane or tornado activity in a year (days):

1

Local government:

Form of local government (city, town, county, etc.): *

city

Local government rule:

██████████

Source of government decision making (city manager, city council, mayor, etc.):

City Manager/City Council

Utilities:

Please list largest utilities and the approximate percentage of the community covered by each provider:

	Provider name:	Coverage (%):
Electric:	City of Columbia	85
Gas:	Ameren UE	100
Water:	City of Columbia	80
Sewer:	City of Columbia	95
Cable:	Mediacom	80
Phone:	CenturyLink	90

Local economy mix (if available):

Number of high tech jobs:

Number of manufacturing jobs:

Number of education services jobs:

Number of other service sector jobs:

Colleges and universities (List names and average number of students enrolled at each, if available):

University of Missouri - 31,237 enrollment
Stephens College - 1,231 enrollment
Columbia College - 4,200 campus enrollment
- more than 14,000 students online

Major hospitals/health care facilities (List names)

Boone Hospital Center - 394 beds
University Hospital - 274 beds
Columbia Regional Hospital - 189 beds
Harry S Truman Veterans Hospital - 118 beds
Childrens Hospital - 115 beds
Missouri Psychiatric Center - 58 beds
Howard A Rusk Rehabilitation Center - 60 beds
Ellis Fischel Cancer Center - Outpatient facility

Current providers of high speed Internet service (Company; DSL, Cable modem, wireless, fiber, etc.):

Mediacom Cable - Cable modem
CenturyLink - DSL, fiber to business
Socket - DSL, T-1 for business
Tranquility - DSL, T-1, MetroEthernet for business
Charter Cable - Cable modem

Other significant features of your community that could be relevant for this project:

A very progressive and highly connected city with a good track record of setting the pace for other cities. Our "GetAbout Columbia" project is a good example of this. Columbia is just one of 4 cities nationwide to receive a \$25 million dollar federal grant to create/expand non-motorized transportation networks. <http://www.pednet.org/about/history2005.asp>

Fiber to the home could easily become part of the "GetAbout" project as a work from home initiative.





- 1. [General](#) ✓
- 2. [Background](#) ✓
- 3. **[Collaborating](#)** ✓
- 4. [Community](#) ✓
- 5. [Facilities](#) ✓
- 6. [Construction](#) ✓
- 7. [Regulatory](#) ✓

Get involved: Local government

3. Collaborating on a Google fiber trial

* Required fields

In this section, we ask you to share how your community would work with Google to enable us to proceed quickly and effectively.

Are you, the local government, willing to appoint an individual to serve as a single point of contact (1)? *

Yes No

If so, please describe the responsibilities and authority that this individual will have:

An ombudsman will be appointed by the City Manager to have full authority over the project, except that authority which is held by the City Council.
The ombudsman will respond as quickly and as accurately as possible to questions, concerns or needs of Google and its subcontractors.

[Complete response](#)

[List of responses](#)

[Contact us](#)

[Download PDF](#)

Describe any current or planned programs in your community to accelerate and expand adoption and use of broadband Internet access:

An interim telecommunications taskforce has been set up to study the possibility of creating a cooperative effort to make fiber available to the home or business in an open network environment. The City, County and School District have requested that a government sanctioned permanent taskforce be created.

Regardless of Google's response, the community is requesting that this be studied.

Additional reasons why you believe that Google should select your community for this project:

The City of Columbia has a well educated population with a very large student population. Educational attainment in Columbia is very high. Among Columbia residents ages 25 and up, over 91% have completed high school and more than 50% have college degrees. Columbia is well known as a research community and many startup companies have started here. Companies like Datastorm (makers of ProComm+), CarFax, ABC Labs and the University's Life Science Research Center. <http://comofiber.net> has much more information available via documents, tweets, youtube videos, maps and comments. The City of Columbia is the best testbed for this experiment.

Please provide a web link to any additional information you wish us to consider. Submissions using Google Maps or YouTube are encouraged:



(1) A single point of contact to coordinate the local government and community's interactions with Google, to obtain as promptly as possible whatever information Google may require, and to resolve any problems that may arise as quickly and effectively as possible.

Google is interested in working with communities in which it can rapidly install fiber-optic facilities and offer ultra-high speed Internet access services. Google respects the legitimate responsibility of local governments to preserve and protect community assets, minimize disruption, ensure the safety of the public, address aesthetic concerns and property values, and obtain reasonable compensation for the use of public assets.



- 1. [General](#) ✓
- 2. [Background](#) ✓
- 3. [Collaborating](#) ✓
- 4. **Community** ✓
- 5. [Facilities](#) ✓
- 6. [Construction](#) ✓
- 7. [Regulatory](#) ✓

[Complete response](#)

[List of responses](#)

[Contact us](#)

[Download PDF](#)

Get involved: Local government

4. Your community's support

* Required fields

Have you performed any outreach, study, or analysis regarding support in your community for this type of trial? *

Yes No

Describe how you ascertained or plan to ascertain the level of community support for this project (e.g., surveys, public hearings, meetings with community groups, etc.):

We've met with many groups to gauge the level of support. Those groups include community groups like the grassroots organization CoMoFiber and student organizations willing to provide volunteer assistance to spread the news to more formal groups like the Columbia Public School Board, the Columbia City Council, the Columbia Chamber of Commerce and the Columbia Regional Economic Development Inc. (REDI).

Please describe your community's level of support for this project:

Columbia has great community support. This is represented by the community website <http://comofiber.net>. This site links to the CoMo Fiber Facebook page, Twitter feeds and the CoMO Fiber YouTube videos. Many of the videos are from students. There are also links to documents from the School board, the University and other groups expressing their support and desire for Google to choose Columbia for this bold experiment.

Please briefly summarize any additional comments or suggestions you would like to make to Google on behalf of your community:

One idea that has been proposed for this experiment, is possibly supplying cheap computers to everyone who doesn't have one and creating a distributed computing program to work specifically with the University of Missouri's Life Science Research programs. Something like the SETI@Home or the Folding@Home projects. This single project could help reduce some of the digital divide and reduce costs and speed up research.

The City has had a program in place for 7 years to give older computers to lower income families without access to computers at home. Called Homes for Computers, the City gives over 30 PCs to homes annually.





- 1. [General](#) ✓
- 2. [Background](#) ✓
- 3. [Collaborating](#) ✓
- 4. [Community](#) ✓
- 5. **Facilities** ✓
- 6. [Construction](#) ✓
- 7. [Regulatory](#) ✓

Get involved: Local government

5. Facilities and resources

* Required fields

Deployment of a community-wide FTTH network will require Google to work closely with local government entities and other organizations. Google seeks to identify resources owned by the community that may assist in the rapid, smooth deployment of a residential fiber optic network. In this section, we ask you to share information about particular facilities and assets within the community that may be used or affected as part of such a facilities deployment, particularly those owned by the local government.

Please respond as completely and accurately as possible.

Pole attachments:

Please identify the entities, including units of the local government, that own or control utility poles in your community:

Entity name:

Number of poles owned or controlled:

Annual rate per pole for pole attachment:

by telecommunications carriers (\$):

by cable system operators (\$):

by Internet access providers (\$):

Entity name:

Number of poles owned or controlled:

Annual rate per pole for pole attachment:

by telecommunications carriers (\$):

by cable system operators (\$):

by Internet access providers (\$):

Entity name:

Number of poles owned or controlled:

Annual rate per pole for pole attachment:

by telecommunications carriers (\$):

[Complete response](#)

[List of responses](#)

[Contact us](#)

[Download PDF](#)

[]

by cable system operators (\$):

[]

by Internet access providers (\$):

[]

If the local government will make its own poles available for attachments by Google, please estimate the number of days to complete the following steps, assuming full cooperation from Google:

Negotiation of a master pole attachment agreement:

30 []

Issuance of permits for individual attachments:

21 []

Developing specifications for make-ready work:

7 []

Completing make ready work:

30 []

If a unit of your local government has access to poles owned or controlled by third parties that it could make available to Google, please provide the following information:

Number of poles:

[]

Entity or entities that own or control the poles:

Boone Electric
CenturyLink Telecom

Rate that you would charge Google (\$) per pole per year:

[]

Describe any restrictions on your right to make such poles available to Google:

Annual rates are negotiable.
The City will expedite all agreements.

Please identify any state or local laws, ordinances, rules, or other legal measures that govern access and rates for attachment:

Telecom Act of 1996

Please provide contact information for any entities named above:

Boone Electric Cooperative
Chris Rohlfling
Manager of Member Services
crohfling@booneelectric.com

CenturyLink
Kevin Czaicki
Area Operations Manager
kevin.czaicki@CenturyTel.com

Conduits:

Please identify the entities, including units of local government, that own or control utility conduits in your community:

Entity name:

City of Columbia

Linear feet of conduit owned or controlled:

Annual rate per foot for conduit use:

by telecommunications carriers (\$):

by cable system operators (\$):

by Internet access providers (\$):

Entity name:

Boone Electric Cooperativ

Linear feet of conduit owned or controlled:

Annual rate per foot for conduit use:

by telecommunications carriers (\$):

by cable system operators (\$):

by Internet access providers (\$):

Entity name:

CenturyLink

Linear feet of conduit owned or controlled:

Annual rate per foot for conduit use:

by telecommunications carriers (\$):

by cable system operators (\$):

by Internet access providers (\$):

If the local government will make its own conduits available for use by Google, please estimate the number of days to complete the following steps, assuming full cooperation from Google:

Negotiation of a master conduit agreement:

Issuance of permits:

If a unit of your local government has access to conduit owned or controlled by third parties that it could make available to Google, please provide the following information:

Linear feet:

Entity or entities that own or control the conduit:

Boone Electric Cooperative
CenturyLink Telecom

Rate that you would charge Google (\$) per linear foot per year:

Describe any restrictions on your right to make such conduit available to Google:

Agreements would have to be approved by City Council.

Please identify local laws, ordinances, rules, or other legal measures that govern access rights and rates for conduit use:

All agreements would have to be negotiated and by law the City Council must authorize. The City of Columbia will provide full cooperation and expedite all transactions.

Please provide contact information for any entity named above:

Boone Electric Cooperative
Chris Rohlfing
Manager of Member Services
crohlfing@booneelectric.com

CenturyLink
Kevin Czaicki
Area Operations Manager
kevin.czaicki@CenturyTel.com

Public rights of way:

Does your local government directly control and administer the use of all public rights of way within its jurisdiction?

Describe any other entities that control and administer the use of the public rights of way in your community:

Missouri Department of Transportation
Boone County Public Works

With respect to your processes for managing access to public rights-of-way, please estimate the number of days to complete the following steps, assuming full cooperation from Google:

Negotiation, approval, and issuance of a master right-of-way agreement:

30

Issuance of construction permits:

14

Post-construction inspections and approvals:

7

Please indicate the amount or method of calculating all fees and charges for use of the public rights-of-way, including the following (if applicable):

Application fees:

10

Linear foot (or other) usage fees:

N/A

Inspection fees:

N/A

Other fees or charges:

N/A

Community sensitivities and policies:

Please describe any historical districts or other culturally or environmentally sensitive areas: *

Columbia has no legally recognized historical districts but we are sensitive about our local history, streams, parks and trees. Any major trenching or boring would have to be as environmentally friendly as possible.

Please describe your undergrounding plans and policies, if any: *

Code of Ordinances:
Sec. 27-93. Underground service.
(a) Underground services are required in all new residential subdivisions, except where poles and overhead lines have previously been installed or are required for reasons permitted by Code, the service may be provided by the use of a service drop.(edited for space)
City policy provides \$800,000/yr for undergrounding work.

Please identify unique ordinances, rules, policy statements, and other legal measures specific to your community that Google would have to comply in developing a fiber project:

Nothing specific comes to mind. The City would cooperate fully to resolve any issues if some unique circumstance arose.





- 1. [General](#) ✓
- 2. [Background](#) ✓
- 3. [Collaborating](#) ✓
- 4. [Community](#) ✓
- 5. [Facilities](#) ✓
- 6. **Construction** ✓
- 7. [Regulatory](#) ✓

Get involved: Local government

6. Construction methods

* Required fields

Has your community worked with, studied, or evaluated the following types of construction methods for fiber to the home networks:

Aerial Trenching Boring Micro-trenching Plow Rock saw Other None

Check approved methods of construction for your community: *

Aerial Trenching Boring Micro-trenching Plow Rock saw Other None

Are there other construction methods that are approved for use in construction of fiber to the home or other telecommunications networks in your community? If so, please list them below:



[Complete response](#)

[List of responses](#)

[Contact us](#)

[Download PDF](#)



- 1. [General](#) ✓
- 2. [Background](#) ✓
- 3. [Collaborating](#) ✓
- 4. [Community](#) ✓
- 5. [Facilities](#) ✓
- 6. [Construction](#) ✓
- 7. **Regulatory** ✓

Get involved: Local government

7. Regulatory issues

* Required fields

Please describe the local regulatory obligations that would apply to Google if this project went forward in your community: *

Typical permitting procedures. The City will expedite.

Please describe local business obligations and taxes/fees, if any, that would apply to Google if this project went forward in your community:

Business License - Maximum \$750

State Sales Tax #
Register with Missouri Secretary of State
<http://www.sos.mo.gov/business/formsAndServices.asp>

Register with Boone County Collector
<http://www.showmeboone.com/COLLECTOR/>



[Complete response](#)

[List of responses](#)

[Contact us](#)

[Download PDF](#)