



**STRATA**  
NETWORKS®

# Providence Update

FEBRUARY 1, 2023



# PROJECT OVERVIEW

## PROVIDENCE CITY FIBER PROJECT

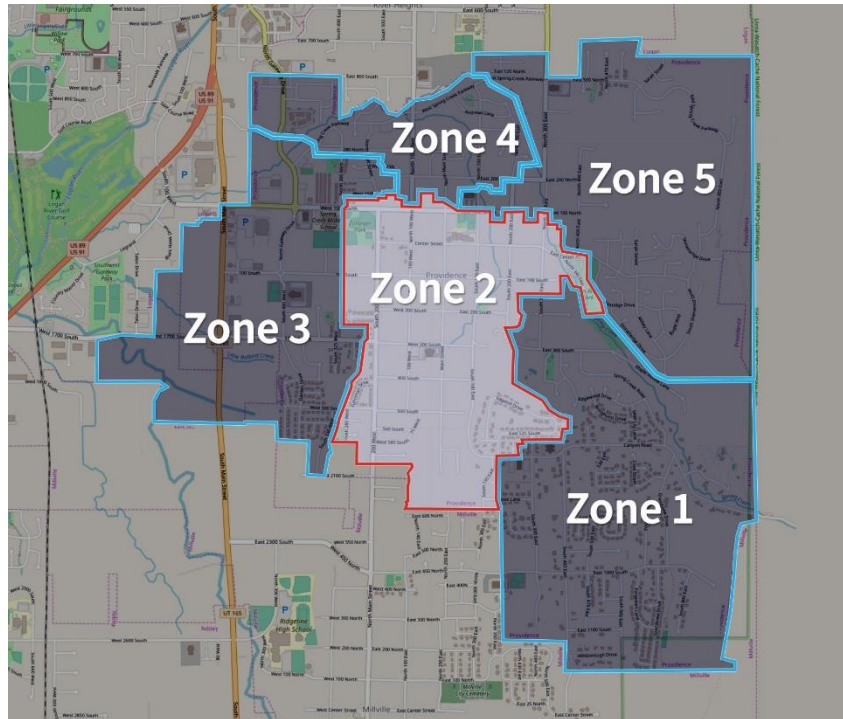


Figure 1 – Exciting news for Providence City! Zone 2 is 100% complete. Residents and businesses in this zone are now able to utilize some of the fastest internet speeds in the world. We are honored to help bring fiber technology to Providence.

Construction Agreement: 24 February 2021		Start Date: 1 May 2021				Substantial Completion: 30 April 2024		
	Start Date	Mainline Construction	Fiber Placement	Fiber Splicing	Drop Conduits	Indoor Installs Ready	Active Customers	Scheduled Completion Date
Shelter	07/26/21							11/30/21
Zone 2	08/31/21	100%	100%	100%	583	245	337	07/31/22
Zone 1	11/08/21	99%	66%	66%	149	63	79	1/31/23
Zone 5	08/18/22	34%	34%	34%	26		1	06/30/23
Zone 3	11/01/22	20%			2			10/31/23
Zone 4								3/31/2024



Mainline construction consists of mainline conduit and service terminal (i.e., pedestals and vaults) placement which primarily follows city streets within city rights-of-way. This establishes the pathway for the feeder and distribution fiber cables, and service terminals provide access to cables to allow connections to individual locations.

Next, fiber is placed in conduit using highly pressurized air to float fiber optic cable through conduit runs. Once placed, fiber fusion splicing connects fiber optic cables and service terminals into the network.

Crews construct conduit runs and place a fiber drop from the service terminal at the street to a structure at each location. Drop crews primarily place conduit via a small open trench or narrow plow. During this process, conduit may be temporarily stubbed near the home until an installation is scheduled.

Technicians will perform an installation at each location, which includes installing the Optical Network Terminal (ONT) and initial provisioning which allows each customer to receive broadband internet service with an Internet Service Provider (ISP) on the Providence City network of their choice.

After consulting with Providence City, STRATA Networks has altered its strategy to better utilize pre-registration lists. PON cabinets will be installed in Zones 1, 5, and 3 as soon as possible. This will allow STRATA Networks and the city to prioritize neighborhoods in these three zones for construction based on pre-registration lists.

<b>MAINLINE CONSTRUCTION</b>	
Zone 1	COMPLETE (except for mastic which will be placed in the spring)
Zone 2	COMPLETE
Zone 3	<ul style="list-style-type: none"> <li>• Trenching in sub-zones 3-1A and 3-1B is complete.</li> <li>• Trenching in sub-zones 3-2A, 3-2B, 3-3A, and 3-3B will begin in the spring.</li> </ul>
Zone 4	<ul style="list-style-type: none"> <li>• Trenching will begin in summer of 2023.</li> </ul>
Zone 5	<ul style="list-style-type: none"> <li>• Trenching in sub-zones 5-1A and 5-1B is complete.</li> <li>• Trenching in sub-zones 5-2A, 5-2B, 5-3A and 5-3B will begin in the spring.</li> </ul>

<b>FIBER PLACEMENT and SPLICING</b>	
Zone 1	<ul style="list-style-type: none"> <li>• Fiber placement, splicing, and testing in sub-zone 1-Spring Creek, 1-1, and 1-2 is complete.</li> <li>• Fiber placement has begun in sub-zones 1-3A and 1-3B. Splicing will follow in February.</li> <li>• Fiber has been placed in sub-zones 1-4A and 1-4B. Splicing is complete. STRATA Networks is waiting for new test results which should be coming in the next few days.</li> </ul>
Zone 2	COMPLETE
Zone 3	<ul style="list-style-type: none"> <li>• Fiber placing has begun in subzones 3-1A and 3-1B. Splicing will follow in February.</li> </ul>
Zone 4	<ul style="list-style-type: none"> <li>• Not started</li> </ul>
Zone 5	<ul style="list-style-type: none"> <li>• Fiber placing, splicing in sub-zones 5-1A and 5-1B are complete. Waiting for final test results.</li> </ul>

### **DROP PLACEMENT AND INSTALLATION**

- STRATA Networks has begun placing fiber drops in Zones 1, 3, and 5.
- ONT installations continue in Zone 2 and have begun in subzones 1-1 and 1-2.

### *Engineering Plans/Drawings*

All five Providence zones' mainline conduit and service terminal plans/drawings have been engineered, except for two of the larger Planned Unit Developments - the Vineyard and Cobble Stone at Spring Creek - and the MDU/HOA developments. Additional coordination and design engineering still needs to take place with the homeowner's associations (HOA's) and owners of Multi-Dwelling Units (MDU's) within the city, due to the private nature of their roadways, restrictions on common areas, and access to individual dwelling units. These locations are primarily located within Zones 3, 4, and 5.

Electronic drawings for mainline construction in all five zones have been provided to Providence City for review, as well as electronic drawings for fiber in Zones 2, 1, 5, and 4. Zone 3 fiber plans are still in the design process.

### *Design Review Process*

GIS data for conduit runs in each zone is being sent to the city to help aid in the design review process.

### *Redlined Construction Drawings*

The recordkeeping process of posting redlined mainline construction and fiber is ongoing for zones 1, 3, and 5. All mainline conduit, vaults, peds and fiber have been recorded in Zone 2. STRATA Networks is currently recording drops as they are completed for Zones 1, 2, 3, and 5. This will create the official record of conduit and fiber placed that will serve as a tool for line locating activities and future design and analysis of the city's fiber optic network. As this work is completed, the information will be provided to the city.

# MARKETING

## PROVIDENCE CITY FIBER PROJECT

The marketing team is working to complete the development of post-installation surveys for the Providence Fiber Network. Once the surveys are completed, they will be sent out to residents and businesses following ONT installation. These surveys will give the subscriber an outlet to resolve dissatisfaction or to share positive experiences that could be used to further promote the network.

In addition, the marketing team is working to create a campaign to follow up with residents and businesses who have received a drop but have not yet scheduled an ONT installation.