



STRATA
NETWORKS®

Providence Update

JANUARY 4, 2023



PROJECT OVERVIEW

PROVIDENCE CITY FIBER PROJECT

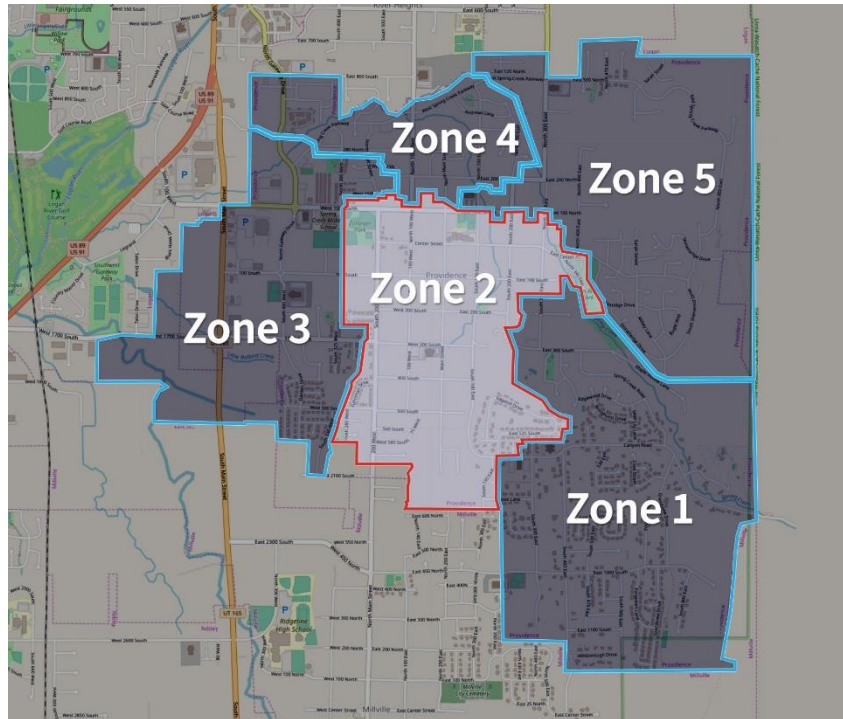


Figure 1 – Exciting news for Providence City! Zone 2 is 100% complete. Residents and businesses in this zone are now able to utilize some of the fastest internet speeds in the world. We are honored to help bring fiber technology to Providence.

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%	580	266	316	07/31/22
Zone 1	11/08/21	95%	66%	66%	140	73	66	12/31/22
Zone 5	08/18/22	34%	34%		19		1	05/31/23
Zone 3	11/01/22	20%						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.

MAINLINE CONSTRUCTION	
Zone 1	Trenching in sub-zones 1-Spring Creek, 1-1, 1-2, 1-4A, and 1-4B is complete. Trenching in sub-zones 1-3A and 1-3B is ongoing and is estimated to be completed by the mid-January.
Zone 2	COMPLETE
Zone 3	Trenching in sub-zones 3-1A and 3-1B is complete. Trenching in sub-zones 3-2A, 3-2B, 3-3A, and 3-3B will begin in the spring.
Zone 4	Trenching will begin in summer of 2023.
Zone 5	Trenching in sub-zones 5-1A and 5-1B is complete. Trenching in sub-zones 5-2A, 5-2B, 5-3A and 5-3B will begin in the spring.

FIBER PLACEMENT and SPLICING	
Zone 1	Fiber placement, splicing, and testing in sub-zone 1-Spring Creek, 1-1, and 1-2 is complete. Fiber placement will begin in sub-zones 1-3A and 1-3B in January, followed by splicing in February. Fiber has been placed in sub-zones 1-4A and 1-4B. Splicing is complete. STRATA Networks is waiting on test results which should be coming in the next few days.
Zone 2	COMPLETE
Zone 3	Fiber placing will begin in subzones 3-1A and 3-1B in January, followed by splicing in February.
Zone 4	Not started
Zone 5	Fiber placing in sub-zones 5-1A and 5-1B is complete. Splicing/testing is ongoing and is estimated to be completed in January.

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. With the relatively recent launch of the XGS platform, STRATA Networks anticipates additional multiple service ONT equipment to become available over the coming months that may help facilitate the work with MDUs and businesses, allowing for more options at the premises. These locations are primarily located within Zones 3, 4, and 5.

Electronic drawings for all five zones for the mainline construction have now 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 the conduit runs in each of the Zones are being sent to the city to help aid in the design review process.

Redlined Construction Drawings

With Zone 2 mainline construction complete, the recordkeeping process of posting all the redlined construction is underway. All the mainline conduit, vaults and peds have been recorded. STRATA Networks is currently recording all drops and fiber. 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 with Providence City to develop post-installation surveys for the Providence Fiber Network. The main objective of these surveys will be to monitor operational performance and use these insights to maintain high levels of quality and customer satisfaction. The surveys will give the subscriber an outlet to resolve dissatisfaction or to share positive experiences that could be used to further promote the network.