



City of Joshua Fiber Project

FIBER PROJECT

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Proposed Design



Proposed Design



Available Carrier Routes

TodoVerde

Fiber Tool Results

Search:

Address: joshua texas

Joshua, TX, USA

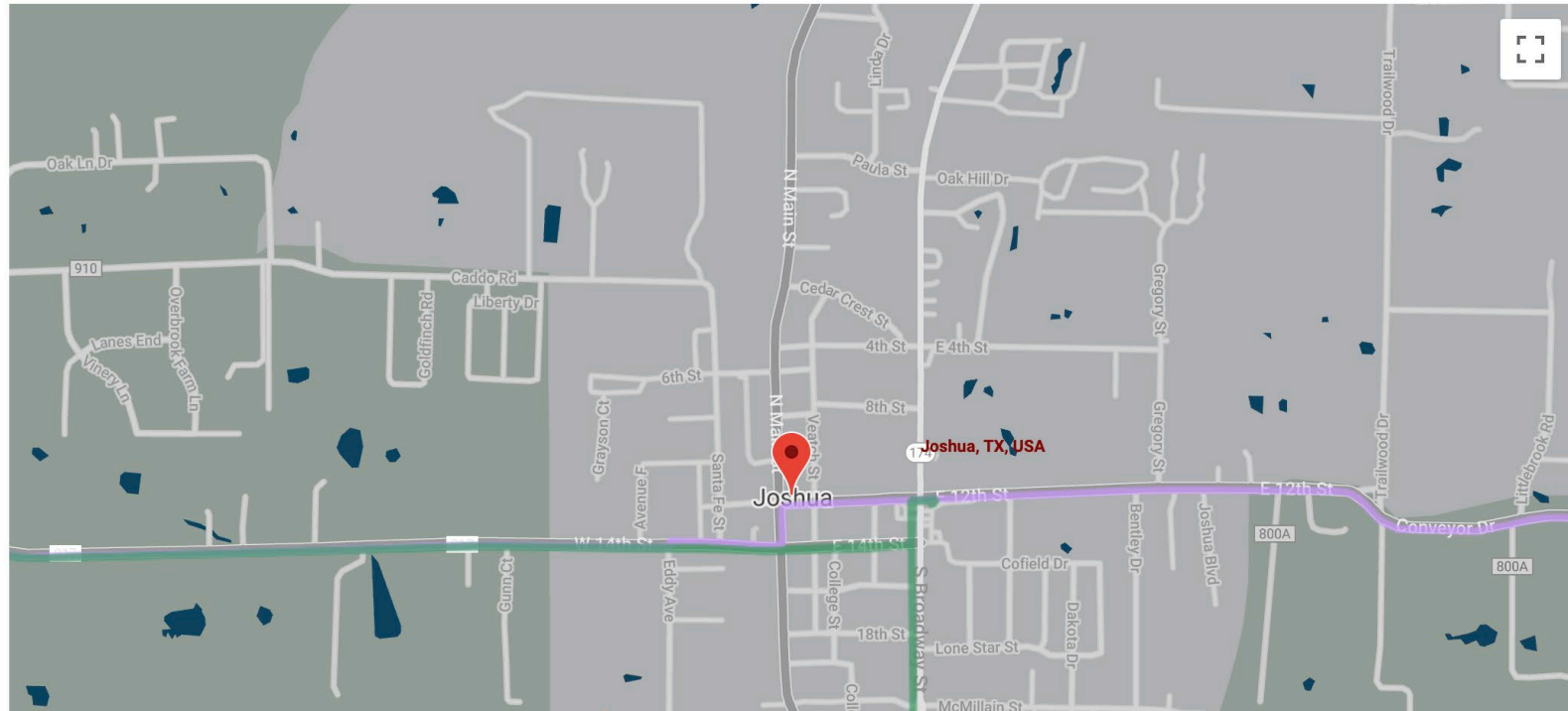
On-Net Carriers

Status: We encountered an issue while attempting to determine fiber serviceability.

Fiber Routes

Windstream

Zayo Metro



Fiber Use Options

- Dark Fiber point to multipoint for city network, city employees, city and public safety data.
- Lease city owned fiber strands to carriers to expand their markets
- Cell carriers can lease strands to backhaul their traffic
- Multiple splice boxes on routes designed to provide ease of access to different areas within the city.

Citizen Access and Crime Prevention

- Public Wifi will be available in all parks and open areas for access to reliable high- speed internet
- Fiber project will be able to backhaul traffic for additional cameras in parks and areas along the design route for crime prevention.
- Areas that are currently underserved for internet will have options for internet connections through public wifi until carriers can deliver access to the homes.

Benefits of City Owned Fiber

- Eliminates the need for multiple shared internet connections and wireless backhaul for public safety and city data.
- Areas that are currently underserved for internet will have options for internet connections through public wifi until carriers can deliver access to the homes.
- Strands not in use by the city can be used to service areas from several carriers to businesses and homes
- Cell Carriers can also lease fiber from city for backhaul to towers.
- Multiple points to failure for outages
- Multiple splice boxes on routes designed to provide ease of access to different areas within the city.

Estimated Project Costs

• Dark Fiber Backbone-	\$222,000
• Dark Fiber Segments and Splice Points-	\$355,338
• Cameras and power components-	\$167,533
• Wifi Connectivity to all public spaces in design-	\$65,533
• <u>Installation and Configuration for City and Public Network-</u>	<u>\$82,730</u>
• Total	\$893,134

Carrier costs are not included in this cost

Q & A

