

# Mobile Wireless Cell Tower Connectivity

Coos County, OR



## Customer

LightSpeed Networks, Inc.  
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## Owner

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Multiple task order agreement for fiber connectivity from local operations center to mobile wireless services provider towers located in Coos County, Oregon. As of June 1, 2014 19 service orders have been executed with 12 completed and 7 in progress.

Tribal One Broadband Technologies completed all design, permitting, easement, installation, termination, splicing and testing task for the project. Fiber outside plant was constructed underground as well as aerial. Underground included trenching, plowing, and directional bore including a 3100 foot under-bay crossing. Aerial included multiple overwater spans with a single span of greater than 1100 feet. Project details included the field engineering; creation of drawings; permitting, right of way, and easement application; traffic control planning and implementation; pole attachment make ready; underground and aerial support infrastructure placement; fiber placement to include lashing or other overbuild attachments; hand-hole and other vault placement; locating tasks for existing underground facilities; core drilling; rack and equipment installation; fiber optic splicing and termination; fiber optic cable testing and certification; environmental management and restoration; and coordinated handoff of services. Total fiber placement of nearly 20 miles required for this project.

Common chock points in this multi service order projects have been easement procurement and readiness by mobile wireless services provider.

Original Contract Value	Completed to Date	Final Contract Value	Construction Start	Original Completion Date	Actual Completion Date
\$778,100	\$661,110	\$778,100	February 2012	2014	2015

## Project Team

Karl Kennedy – PIC, General Superintendent, PM, Designer  
Steven Ryan – Project Coordinator  
Eli Garner – Fiber Installation Technician, Site Foreman  
Chris Howe – Fiber Installation Technician