

Georgia Interstate Broadband Deployment

P.I. Numbers: 0015924
Various Counties

Date: February 16, 2018

Disclaimer:

Please be advised that this information is preliminary and is provided for information only. All final scope requirements will be included in the Request for Proposal (RFP).

Project Information:

The Project includes the design, build, finance, operation, and maintenance of a broadband fiber and small cell wireless network on limited-access facilities in the State of Georgia. The project limits will include the approximately 1,292 centerline miles of GDOT limited access freeways for fiber optic cable and small cell wireless installation. The partnership will incorporate the approximate 297 centerline miles of existing fiber optic cable currently installed on GDOT limited access freeways. Appendix 1 provides the location of existing and proposed broadband fiber and wireless deployment.

The Private Partner will provide preconstruction design, permitting (if needed), utility coordination, and other related services necessary to design the project. The Partner will also provide material, equipment, and services needed to construct, maintain, and operate the project.

The currently anticipated model would involve the Private Partner leasing access to the broadband fiber and small cell wireless system for revenue generation for a time period to be agreed upon (currently estimated for a project duration of up to twenty-five (25) years), however GDOT is currently finalizing details on the appropriate wholesale/retail business model, allowable services, revenue share model, technology baseline and upgrade path.

Environmental:

The Private Partner will be responsible for all State and National Environmental Permits required for installation and maintenance of existing and proposed fiber and small cell wireless support structures and antennas.

Permitting:

The Private Partner will prepare all applicable permit(s) to GDOT's satisfaction. GDOT will transmit permit(s) to the respective agency, and the Private Partner will be responsible for satisfactorily addressing all comments.

Site-specific erosion control best management practices (BMPs), including obtaining any stream buffer variances, will be the responsibility of the Private Partner.

Geotechnical Scope of Work:

The Private Partner will be responsible for performing foundation and pole design and for providing a report outlining the determination of the foundation type to be used at each location. The Private Partner may use standard GDOT strain pole and associated construction specifications and details where applicable in place of site-specific investigations and design.

Pavement Design:

No pavement design work is anticipated for the project, but if required will be provided by the Private Partner.

Survey Scope of Work:

The Private Partner will be required to provide basemap information for the project to depict the installation locations of the fiber optic cable and small cell wireless antennas. The basemap will include adjacent right-of-way limits.

Utility Scope of Work:

A utility variance will be requested for the project. Avoiding utility relocations will be the responsibility of the Private Partner. The Private Partner will be responsible for coordinating and/or relocating all affected utilities or obtaining no-conflict letters from utility owners.

Traffic Control Scope of Work:

Single Lane and shoulder closures will be allowed. The final requirements will be included in the RFP.

Right-of-Way Scope of Work:

All work will be constructed and performed within existing right-of-way.
No additional right-of-way will be acquired for construction of the project.

MS4 Permit

National Pollutant Discharge Elimination System (NPDES) and Municipal Separate Storm Sewer System (MS4) permits and design will be the responsibility of the Private Partner.

ITS:

The Private Partner will be responsible for establishing a telecommunication program and guidelines to be used to determine the necessary requirements for installation of fiber optic cable and small cell wireless network along GDOT-owned limited access right-of-way.

Existing broadband fiber and infrastructure will be maintained and operated by the Private Partner. A demarcation point will be defined in the RFP between the fiber infrastructure and GDOT intelligent transportation system (ITS) device infrastructure.

The Private Partner will be required to manage the existing GDOT broadband fiber and wireless network and any future GDOT network expansion as a result of the project.

Existing GDOT broadband infrastructure will be available for use by the Private Partner. An inventory of the existing infrastructure will be included in the RFP.

The Private Partner will install new fiber and conduit trunk lines throughout the statewide limited-access corridors.

The Private Partner will install new Communication Hub Buildings at various locations throughout the statewide limited-access corridors.

The Private Partner will install new small cell wireless antennas and support structures at various locations throughout the statewide limited-access corridors.

The Private Partner will be responsible for marketing the use of existing and proposed GDOT broadband and wireless infrastructure to telecommunication providers and other third-party entities.

Appendix 1

Project Limits

Route	Total Centerline Miles (approx.)	Centerline Miles of Existing Fiber (approx.)
I-16	166 miles	
I-185	50 miles	
I-20	202 miles	36 miles
I-24	4 miles	
I-285	63 miles	63 miles
I-475	16 miles	16 miles
I-516	7 miles	
I-520	15 miles	
I-575	31 miles	12 miles
I-59	20 miles	
I-675	11 miles	11 miles
I-75	354 miles	69 miles
I-85	172 miles	51 miles
I-95	112 miles	
I-985	25 miles	
SR 316	7 miles	7 miles
SR 400	37 miles	32 miles
Total	1,292 miles	297 miles