



TELECOMMUNICATIONS

General

Within the Downtown Infrastructure Study Area there are numerous telecommunications providers. The following are the main providers for telephone and cables services.

AT&T – Telecommunications

AT&T supplies local and long distance telephone service, and also data communications, in most of the Sacramento Area. The Downtown Infrastructure Study Area is served by the Main Wire Center at 14th and J Streets.

AT&T serves the Downtown Infrastructure Area with a predominantly underground conduit system. There is a small portion of aerial system at the edge of the Study area on 17th Street northerly of J Street. The main lines are generally located in the streets with the feeder lines located in the alleys.

Recently developed properties often place the aerial facilities underground, generally in a joint trench with other utilities in an alley or along the street frontage. Cabling in underground conduits can be either copper wire or fiber optic cable.

Comcast / AT&T Broadband

Comcast provides cable television service in the Sacramento Area. AT&T Broadband leases conduit space and fiber optic cable capacity from Comcast in the Downtown Sacramento Area.

Comcast serves the Sacramento area with a combination of underground and overhead fiber optic and copper coaxial cable. The signal is generated at a downtown site on N Street near the Capitol, and is distributed to hub sites throughout the service area, from which local service is distributed. There are four different service nodes located in and around the Downtown Infrastructure Study Area.

SureWest

In addition to AT&T and Comcast, SureWest Broadband also provides telecommunications service in the Downtown Sacramento Area. Some of their fiber system is actually in the Comcast / AT&T manhole and conduit system.

The SureWest system through the Downtown Infrastructure Study Area is centered around the core area of the existing larger buildings. SureWest also operates some aerial facilities.

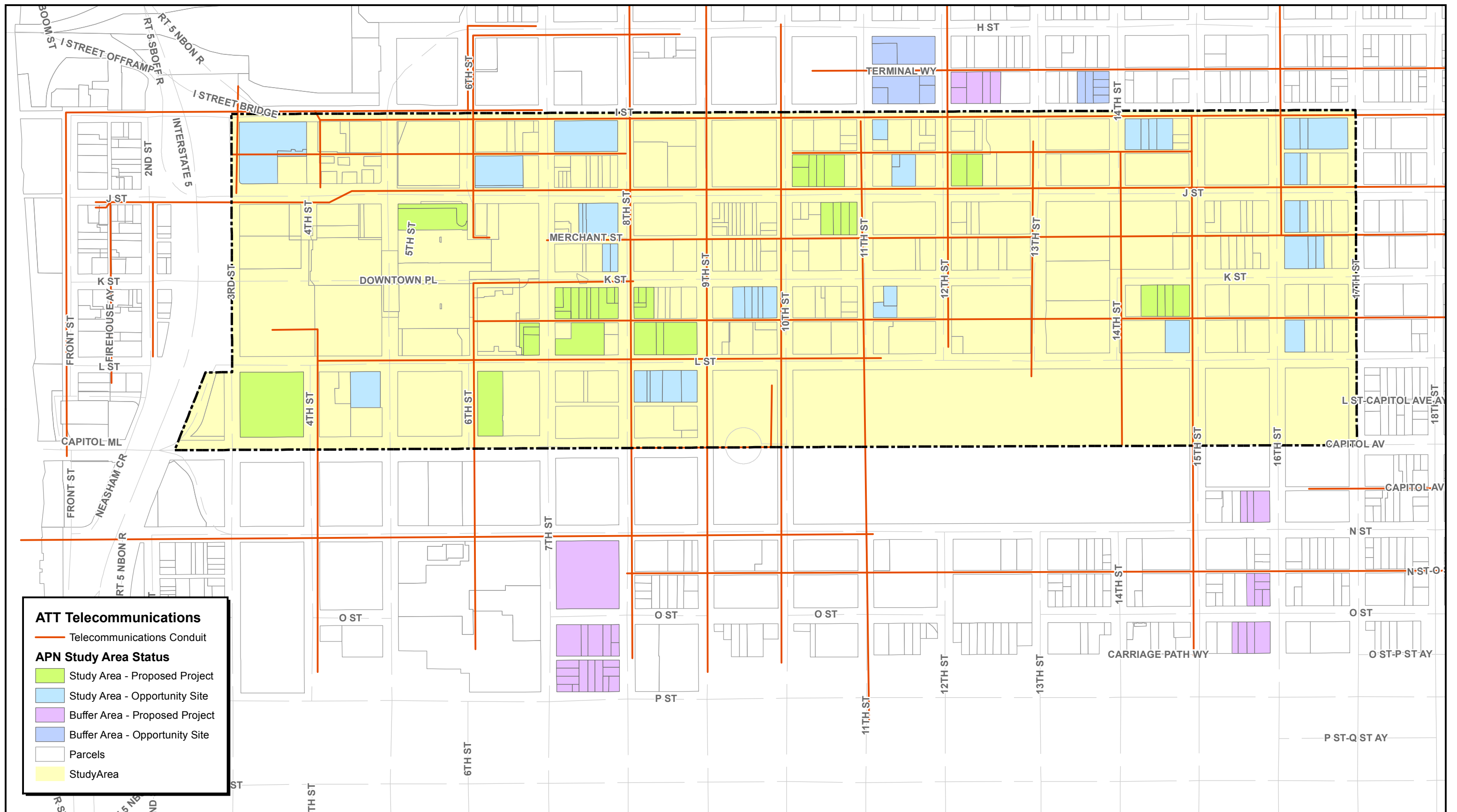
Electric Lightwave

Electric Lightwave, Inc. (ELI) provides data and communications, internet, local and long distance voice communications in the Sacramento area for non-residential customers.

ELI serves the Sacramento area with a combination of underground and overhead fiber optic cable and copper cable. The Downtown Infrastructure Study Area is served by a switching site at 650 J Street, and the company has fiber optic connections to most AT&T switching sites. Some customer sites may be connected to ELI facilities using AT&T T-1 connections.

Proposed Telecommunications

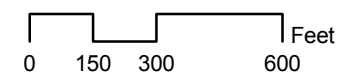
The Telecommunications providers have indicated the existing system within the Downtown Infrastructure Study area should be sufficient to serve the Proposed Projects and Opportunity sites with relatively minor additions. In general, service to each of the new sites will be coordinated with the main electrical service in a common joint trench. Typically, a few 2-inch conduits will be added to the joint trench for service to the projects. Extension of the existing systems can also utilize the proposed 21kV conduit trench proposed by SMUD for the electrical system.

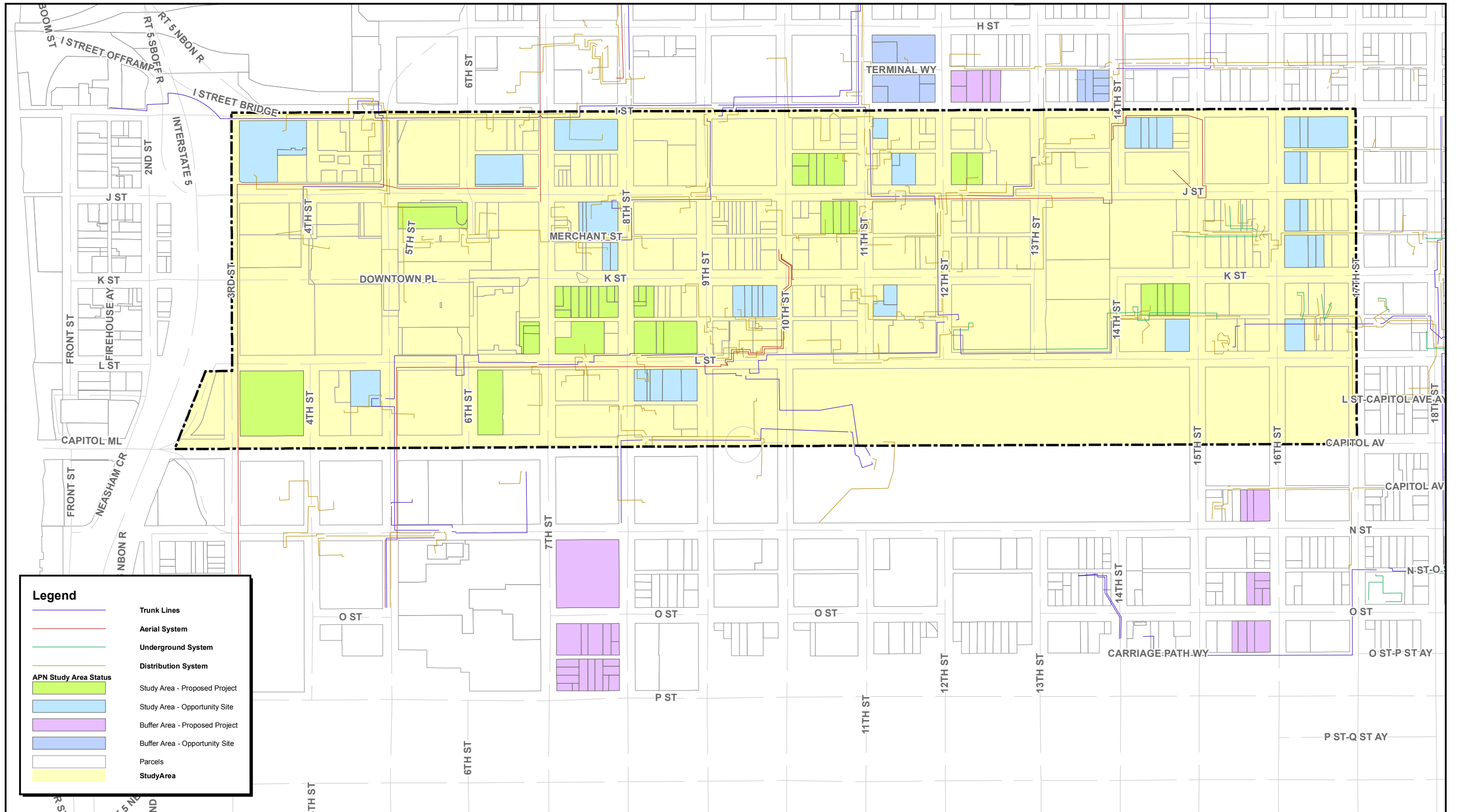


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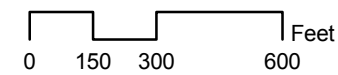
Downtown Infrastructure Study - Existing AT&T Telecommunications

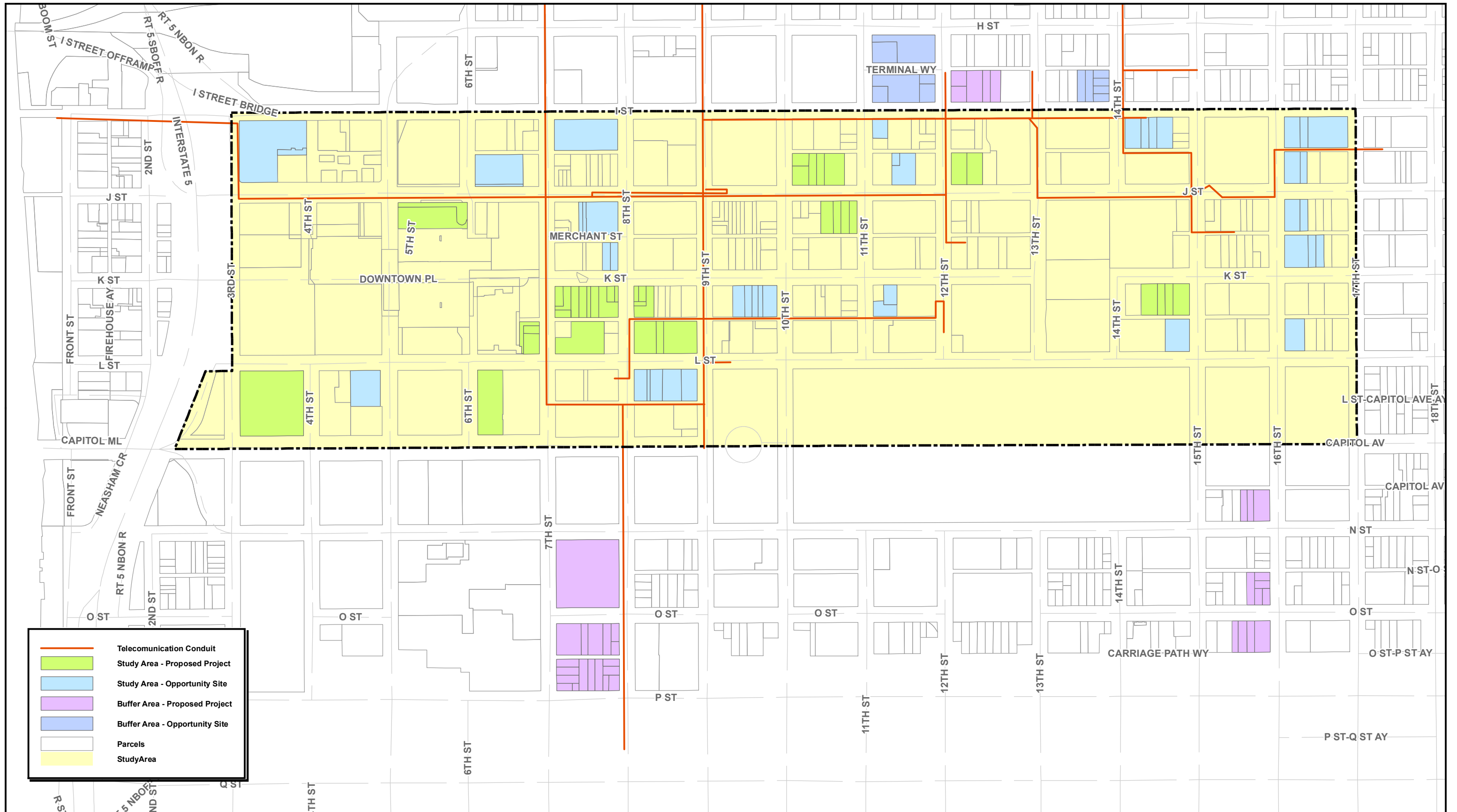
FIGURE VIII-1





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Downtown Infrastructure Study - Existing Comcast/ATT Broadband
 FIGURE VIII-2





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Downtown Infrastructure Study - Existing Surewest

FIGURE VIII-3

