

# Proposal for a Cooper City ASE Network Solution

## Presented to City of Cooper City

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Table of Contents	Page
Current Environment .....	<b>Error! Bookmark not defined.</b>
Solution .....	2
Pricing .....	3
Cost Comparison .....	4
AT&T Advantages.....	4
AT&T 5G Wireless Network Coverage .....	7
Important Information .....	8

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## Solution

We've assessed your information and developed a Cooper City ASE Network solution that addresses your business needs. The solution includes the following components:

- **AT&T Switched Ethernet on Demand (ASEoD)**—a transport service that transmits Ethernet traffic among multiple locations and uses AT&T Network on Demand to provision and scale bandwidth and other network services. AT&T Switched Ethernet on Demand (ASEoD) provides user-friendly, web-based network configuration and management and simplified contracting for most network services.

The solution gives you the following features:

- **Five Classes of Service (CoS) with Service Level Agreements (SLAs)**—allow you to tune an Ethernet connection to each application's specific needs such as the real-time and interactive requirements of delay-sensitive voice, video, and financial transactions. This capability enables your high-bandwidth network to efficiently and reliably transport interactive voice and video, which helps ensure that your employees can successfully communicate and collaborate.
- **Dynamic Bandwidth Speeds of 2 Mbps to 100 Gbps**—are available and include four physical port speeds and multiple logical channel Committed Information Rates (CIRs). This feature helps you satisfy your networking needs and lets you easily increase speed and capacity in the future. So, instead of losing time because of slow network response, you can help ensure that vital information is available when and where you need it.
- **Any-to-Any Connections**—enables you, via Ethernet Virtual Connections (EVCs), to configure any port so that it connects to any other port in your network. As a result, a single Ethernet connection can provide your locations with access to various remote resources, such as virtual connections to primary and backup data hosts.
- **A Self-Service Portal**—provides an intuitive, user-friendly interface that enables easy, near-real-time provisioning, network scaling and management. The portal lets you add sites, deploy or change services, and scale bandwidth to meet changing demands. As a result, you can quickly and easily optimize your infrastructure and focus on your core business instead of handling time-consuming IT tasks.
- **Flexible Configurations**—let you link your locations via a virtual LAN or establish virtual private lines from remote locations to a main data center. We offer three configurations: Point-to-Point (between two ports), Point-to-Multipoint (hub-and-spoke

design: virtual connections to remote sites), or Multipoint-to-Multipoint (three or more ports: any-to-any connectivity). These options enable you to adjust and scale your virtual connectivity arrangement to accommodate additional sites and networking requirements. As a result, your network and operations can more quickly and easily keep up with changes in your business.

## Benefits

AT&T Switched Ethernet Service on Demand provides an intuitive, user-friendly web interface that enables easy, near-real-time provisioning, network scaling, and management. The AT&T Switched Ethernet on Demand portal enables you to view and analyze your network usage, generate reports, add sites, and easily deploy or change services.

Our flexible solution allows you to adjust your network capacity and throughput for fast, highly secure and available access to data and applications. This means that satellite clinics, care partners, and patients can easily access the information they need.

## Pricing

The Cooper City ASE Network solution includes the following components and pricing (note: NRC = non-recurring charge and MRC = monthly recurring charge):

Product	Quantity	NRC	MRC
AT&T Switched Ethernet - Network On Demand	1	\$0.00	\$3,361.11

Total Pricing	
MRC	NRC
\$3,361.11	\$0.00

For more information about these solution components and features, visit <http://www.business.att.com/enterprise/all-business-solutions/>.

## Cost Comparison

In addition to providing powerful features, reliability, and expert support, this Cooper City ASE Network solution gives you a positive return on your investment. The information below compares the estimated costs of the proposed solution with that of your current system:

### Bandwidth Chart

Location Name	Address	Monthly Recurring	Non Recurring
City of Cooper City	11791 SW 49TH ST COOPER CITY, FL 33330-4447		
Feature		Monthly Recurring	Non Recurring
100M Port Connection MRC		\$321.75	\$0.00
1G Port Connection MRC		\$321.75	\$0.00
Additional MAC Addresses		\$7.50	\$0.00
Enhanced Multicast MRC (price per port)		\$105.00	\$0.00
Entrance Facility Construction NRC		\$0.00	\$0.00
Inside Wiring NRC		\$0.00	\$0.00

Pricing Table-Committed Information Rate (CIR) Bandwidth					
Bandwidth CIR	Non Critical High	Business Critical Medium	Business Critical High	Interactive	Real Time
2 Mbps	\$136.63	\$141.34	\$169.62	\$200.24	\$216.74
4 Mbps	\$161.01	\$165.75	\$194.16	\$220.20	\$236.77
5 Mbps	\$204.92	\$214.45	\$238.27	\$262.11	\$281.16
8 Mbps	\$271.02	\$281.25	\$304.26	\$324.70	\$347.72
10 Mbps	\$188.25	\$203.25	\$248.25	\$300.75	\$330.75
20 Mbps	\$414.48	\$433.75	\$481.95	\$530.14	\$568.69
50 Mbps	\$485.10	\$507.38	\$556.88	\$606.38	\$653.40
100 Mbps	\$398.25	\$428.25	\$473.25	\$518.25	\$570.75
150 Mbps	\$796.41	\$835.93	\$874.23	\$911.93	\$978.79
250 Mbps	\$765.75	\$803.25	\$915.75	\$1028.25	\$1118.25
400 Mbps	\$998.87	\$1049.25	\$1167.81	\$1286.37	\$1381.23
500 Mbps	\$1060.75	\$1113.50	\$1230.70	\$1347.91	\$1447.55
600 Mbps	\$1214.44	\$1274.60	\$1409.20	\$1503.74	\$1609.71
1000 Mbps	\$990.75	\$1028.25	\$1140.75	\$1238.25	\$1343.25

This analysis demonstrates the potential financial benefits of the proposed solution. (Note: This cost comparison analysis is an estimate. Fees, taxes, and surcharges are extra.)

## AT&T Advantages

AT&T gives you the following advantages:

- **Customer Support**—Building strong customer relationships is one of our core values. We want you to have an effortless experience with AT&T. That's why we offer you convenient ways to contact us for support, including online and application-based support tools; customer service in more than 160 languages; and teams of sales, customer care, and technical support specialists to help you.

- **Fortune's Most Admired Telecom Company**—In 2020, for the sixth consecutive year, AT&T earned the top spot for the telecommunications industry on Fortune's Most Admired Companies list. This list is one of the most respected indicators of company performance and reputation. So, when you choose AT&T, you benefit from working with a recognized industry leader.
- **Global Business Communications Experience**—AT&T helps businesses worldwide. Almost three million organizations, from the largest global companies—including nearly all of the Fortune 1000—to small businesses, turn to AT&T. Our customers represent all the major sectors, including financial, manufacturing, education, healthcare, retail, and government.
- **Reliability and Performance**—AT&T invests significantly to upgrade our network for reliability, speed, performance, and disaster readiness so that we can enable tomorrow's capabilities. To help ensure that our network can support our services and provide an optimal experience, we collect billions of measurements across our network every hour. We analyze this data in real time and adjust the network to improve performance.
- **First for Public Safety**—We're honored to work with the First Responder Network Authority (FirstNet Authority) to design and build FirstNet, the nationwide communications platform dedicated to public safety. FirstNet is the only wireless communications platform architected from the ground up and specifically designed with and for public safety. FirstNet is for every first responder in the country including federal, state, local, tribal, urban, suburban, and rural responders as well as those critical to supporting emergency response. The AT&T and FirstNet networks already cover more than 99% of the U.S. population through more than 12,000 agencies and over 1.3 million connections in service nationwide.
- **Cybersecurity Experience**—AT&T has one of the most comprehensive cybersecurity portfolios in the industry. Our unmatched resources include thousands of security professionals, eight advanced security operations centers that provide 24/7 global monitoring and support, and an industry-leading threat intelligence engine. This engine uses data we gather from hundreds of petabytes of daily traffic traversing our network—one of the world's largest.
- **Leading in 5G**—We're the 5G market leader, with the first commercial wireless 5G network in the U.S. Customers who use more than 25 different devices can experience nationwide high-speed 5G connectivity. 5G and 5G+ network technology will ultimately alter user experiences and business efficiencies in dramatic, exciting ways. That's why we're partnering with innovative enterprises to trial 5G proof-of-concept applications in

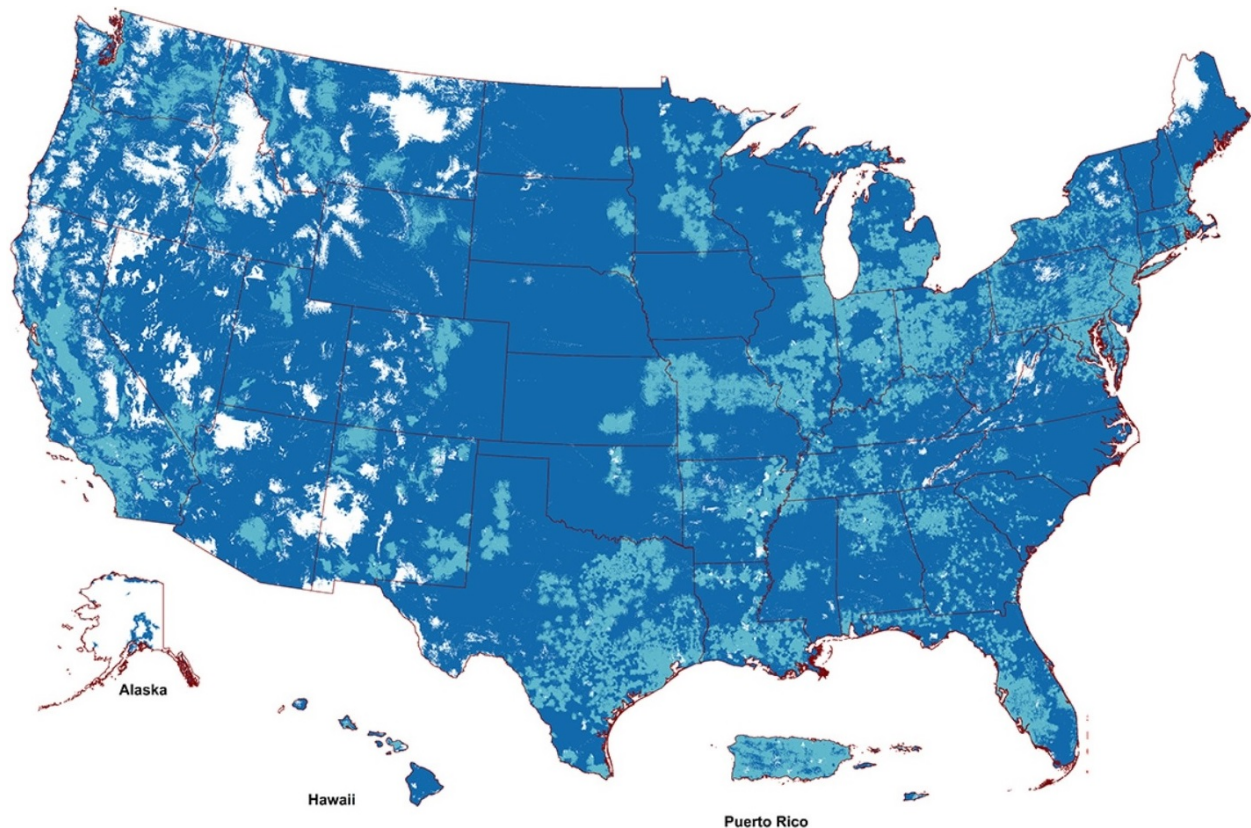
retail, manufacturing, and healthcare. And because our services and solutions are already 5G-primed, the efficiencies and power of 5G will be readily available for your business to use.


- **Business Continuity and Emergency Preparedness**—At AT&T, we strive to keep you connected to your critical services during major emergencies. Our team of seasoned business continuity experts has extensive experience planning for and responding to a wide variety of situations—from hurricanes to floods to power outages. For more information, visit [www.business.att.com/about/business-continuity.html](http://www.business.att.com/about/business-continuity.html).



## AT&T 5G Wireless Network Coverage

For wireless services, America's best network is also the fastest<sup>1</sup>. AT&T's 5G network is available nationwide<sup>2</sup>, as illustrated in the following map. For coverage in your local area, consult the interactive map at [www.att.com/maps/wireless-coverage](http://www.att.com/maps/wireless-coverage).



 **AT&T 5G Coverage**  
 **LTE & Other Coverage**

\*Other coverage include 3G & Roaming coverage.

5G service requires a compatible device and compatible plan. This map displays approximate AT&T 5G coverage, including coverage available by August 2020. Actual coverage may vary. Coverage isn't guaranteed and is subject to change without notice.

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<sup>1</sup> Best network based on 2020 GWS OneScore. Fastest based on analysis by Ookla® of Speedtest Intelligence® data of average download speeds for 2020 Q2. Ookla trademarks used under license and reprinted with permission.

<sup>2</sup> As of July 2020. AT&T 5G requires compatible plan and device. 5G service may not be available in your area. Go to [att.com/5Gforyou](http://att.com/5Gforyou) for details.

You've seen from our proposal that we understand your objectives and have the expertise and resources to support them. We look forward to working with you to implement the Cooper City ASE Network solution and help you achieve your business goals.

## Important Information

AT&T Switched Ethernet Service on Demand is provided by AT&T's Incumbent Local Exchange Carrier in each respective state. Coverage not available in all areas. **Proposal Validity Period**—The information and pricing contained in this proposal is valid for a period of 30 days from the date written on the proposal cover page unless rescinded or extended in writing by AT&T. **Proposal Pricing**—Pricing proposed herein is based upon the specific product/service mix and locations outlined in this proposal, and is subject to the proposed terms and conditions of AT&T unless otherwise stated herein. Any changes or variations in AT&T proposed terms and conditions and the products, length of term, services, locations, and/or design described herein may result in different pricing.