



- CCSI Cell Site Civil and Maintenance services include tower repair or reinforcement, foundation repair or replacement, lighting system installation, repair or maintenance as well as other civil work required to maintain or enhance the existing site.
- CCSI will deliver and install all of the necessary components necessary to repair or upgrade the site base on the customers' requirement
- Our skilled team can add the necessary structural steel to a tower to repair damage or to strengthen and reinforce the tower to support the additional loading often associated with tower mounted equipment such as Remote Radio Units (RRU).
- Adding additional load to a tower often requires some foundation elements to be enhanced or replaced. The CCSI team can remove and replace the foundation as well as repair or extend a foundation to support additional loading or to simply repair weather related damage.
- All of CCSI civil work can include: moving, reburying or replacing any affected conduit or cabling; painting structural steel, equipment or other surfaces to match existing; restoring grade and surfaces such as asphalt and gravel.
- Additionally our team of technicians and electricians can install, upgrade or repair cell site lighting systems. Our optional lighting system maintenance service also includes routine replacement of lighting components such as sensors, switches and lamps.
- CCSI has extensive experience working with our customers in maintaining and upgrading their sites to meet lease requirements. Our civil work includes all necessary permits and coordination with the tower owner and the appropriate utilities or equipment OEMS as required.
- CCSI's excellent logistics support which utilizes our regional warehouse resources enables us to keep inventory of the equipment and to deliver it to the work site.
- CCSI technical resources provide expertise throughout the project from engineering through ground and tower installation.
- Industry leading project management support provides reporting on key milestones and project completion.
- Ability to quickly deploy multiple experienced crews provides quick ramp up on our customer's critical projects.
- Best in class closeout documentation includes all required test results, robust photo documentation of installed components, copies of permits and other authorizations as well data upload to the customers selected repository.
- At CCSI safety, quality and on-time delivery are our top priorities and all of our processes procedures are designed with these metrics in mind allowing us to deploy quickly, accurately and safely.
- With multiple locations throughout North America CCSI has the ability to support the wireless carrier in large national or regional roll outs.



Overview

CCI Services (CCSI) provides a robust set of Cell Site Civil and Maintenance services from tower reinforcement to foundation repair and replacement, from the bottom of the tower to the top. As radio equipment and other active elements have migrated to the tower top, tower loading has increased and the need for reinforcing the towers structural steel and foundation components have become critical elements of the roll out and installation of the next generation of wireless equipment.

No matter what the work entails, our civil team brings their expertise and the experience of thousands of site installations to every project making CCSI one of the leading providers of services for cell site equipment.

CCSI is capable of providing civil services throughout North America. CCSI continues to provide both national and regional services supporting several of the major carriers for their 4G rollouts. We've become a trusted partner and CCSI can always be expected to deliver high quality services, safely and on time.

Deliverables

- Inventory civil components and deliver to site for integration.
- Install as necessary structural steel to reinforce or repair the tower in order to meet loading requirements.
- Upgrade existing foundation to meet additional loading requirements as necessary. Can include, new foundation elements, removal of inadequate foundation or extension or repair of existing foundation.
- Move, rebury or replace all affected conduit or cabling; paint structural steel, equipment or other surfaces to match existing; restore grade and surfaces such as asphalt and gravel.
- Install all tower runs of coaxial and/or fiber cable based on customer requirements.
- Install, upgrade, repair or re-lamp cell site light systems.
- Dedicated project and construction managers provide timely progress reporting and project tracking.
- Comprehensive closeout documentation includes all test results, copies of all permits and complete photo documentation of installed components and includes digital upload services.
- As needed engineering a troubleshooting expertise.