

## Cable & Conduit Installation, Repair, and Upgrade

---

# Cable & Conduit Installation, Repair, and Upgrade

---

## LCSJ – Statement of Work Outline and Labor Categories

---

LCSJ is proficient in performing the following scope of work for our clients:

### General Scope of Work—21 Line Items:

1. Determine capability, capacity, and limitations of existing network infrastructure and components
2. Recommend applicable network infrastructure enhancements that improve operational capabilities and efficiency
3. Assist with the definition and assessment of user-level cable and network requirements
4. Provide comprehensive network infrastructure design and support services and create as-built drawings
5. Prepare technical design drawings to specifications and provide hard and soft copies
6. Install, test, and certify cabling and conduit systems associated with classified and unclassified telecommunications and local area networks, i.e., voice, data, video and audio networks
7. Provide, install, and configure support structures and components needed for end-to-end network operations per project specifications in individual task orders—cable trays, equipment racks, cabinets, plywood backboards, blocks, patch panels, jacks, outlets, patch cords, labels, tie wraps, d-rings, j-hooks.
8. Install, test, and certify cabling and conduit systems associated with electrical power distribution
9. Provide and maintain configuration files and document network configurations
10. Provide additional related telecommunications networking services and support, and network installation and configuration support
11. Assess, evaluate, and document existing network infrastructure (i.e., telecommunications spaces, cable pathways, grounding, wiring, and components)
12. Recommend enhancements that increase operational efficiency and effectiveness of existing infrastructure
13. Design, provide, install, and configure specialized network infrastructures and components—multi- and single-mode fiber optic cable, video distribution systems, card reader systems, and electrical and power production systems
14. Furnish rapid response services and support
15. Support simultaneous installation efforts at various geographical facilities
16. Provide cable and telecommunications equipment installation services and support in asbestos environments
17. Provide and install electrical power needed to support telecommunications and networking devices
18. Support special projects and requirements associated with telecommunications networks
19. Maintain site records regarding the installations and provide detailed administration of telecommunications/data documentation—record-keeping, drawings, labeling, schematics—data outlet boxes, connectors, cables, termination hardware, patching and cross-connect facilities, conduits, other pathways, telecommunications/data closets and other spaces
20. Obtain all trade permits necessary to accomplish the work
21. Provide Network integration support

## Cable & Conduit Installation, Repair, and Upgrade

---

### Specific Responsibilities—15 Line Items

1. Perform site surveys
2. Design installation packages using Computer Aided Drafting (CAD) system
3. Design classified and unclassified network infrastructure
4. Provide As-Built/Red line drawings
5. Provide and maintain all installation design drawing files
6. Install data cabling in accordance with Government-furnished design data and specifications
7. Account for Government-Furnished Equipment (GFE) and/or supplies
8. Report security violations to Security Officer and the CO immediately upon discovery
9. Track installation projects from initial planning stages to conclusion of the project
10. Coordinate each phase of the installation
11. Provide material necessary to perform any minor construction for required installations
12. Perform soldering, welding, sheet metal, carpentry, hydraulic and manual conduit bending, and core-drilling functions as part of installation
13. Provide test equipment to be kept on-site. Test all cables installed to certify performance
14. Design, install and support Category up to 6 UTP and any fiber optic cable system
15. Provide qualified Network Integrators

### LCSJ Labor Categories for Conduit and Cable Installation, Repair and Upgrade

LCSJ – Cable and Conduit Installation Labor Categories		LCSJ – Rates – January 1, 2010
Mid Atlantic – Maryland Northern Virginia		
1	Journeyman Electrician	
2	Installation Supervisor	
3	Installer	
4	Installer’s Helper	
5	Site Coordinator/Manager	
6	Technical Consultant	
7	Draftsman	
8	Logistics/Material Specialist	
9	Asbestos Installer	
10	Admin Support/Data Entry Clerk	