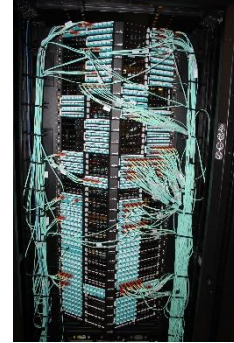


**US Army Corps of Engineers Information Technology
Western Processing Center Relocation
Contract No. W912DY-15-C-0016**



**Government POC
Information**

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MW-ORCA Joint Ventures LLC (MW-ORCA) provided design, build, move, and procurement services to the US Army Corps of Engineers Information Technology (ACE-IT) necessary to relocate a sensitive data center. This move was required in order to meet the increased demands of the network users. The project supported by MW-ORCA was achieved in a very short time frame, within the timeline and within budget. Modifications to this project were minimal; modification 1 was required upon final and detailed engineering in order to meet specific physical requirements for the infrastructure and modification 2 was required in response to an ACE-IT request for additional infrastructure equipment and materials.

The project was broken out into 3 major tasks. The first being the design and build of the data center infrastructure required to support the ACE-IT network criteria. The second major task was the physical relocation of existing network equipment from a data center that could no longer support the ACE-IT mission to a data center with adequate power, cooling, security, space, and communications to support the current and future needs of ACE-IT. The final task was the procurement of sensitive storage network devices and services required to replace aging and over-burdened equipment.

The infrastructure support task required MW-ORCA to engineer, furnish, install, and test a structured cable system in the new WPC which encompassed Category 6 copper cable, OM3 multi-mode fiber optic cables, single mode fiber optic cables, and associated support infrastructure including distribution panels, cabinets, patch panels, and other support materials and equipment. The installation, termination, and testing of over 2700 fiber and nearly 1900 copper connections were included in this task. The requirements of this task met network connectivity and data transport capabilities for the ACE-IT enterprise network.

MW-ORCA provided detailed drawing of the data center infrastructure which included rack locations, cabling routes, and cabinet/patch panel elevations. Testing and certification results, as required by the statement of work, were provided to ACE-IT

The relocation task required MW-ORCA to physically relocated racks and equipment and associated materials from the former data center to the current data center. The task included all services required to relocate the items. MW-ORCA was responsible for ensuring the continuation of existing service contracts with all equipment manufacturers, working in a rapid delivery state, using limited windows of time to execute the tasks, minimizing the risk of damage to the equipment and materials as they were relocated, obtaining required permits for the use of and blocking of city streets and sidewalks, packaging and securing equipment, protecting the data center facilities from damage during the move, providing insurance coverage of \$7M to cover potential loss of equipment during the move, providing an action plan that minimized the downtime in the case of a catastrophic loss of equipment, and protecting sensitive equipment and information.

Infrastructure design/build and the relocation tasks were performed under the USACE Enterprise Standards. All MW-ORCA participants were responsible for compliance with all laws, rules, and regulations governing conduct with respect to health, safety, and the protection of sensitive Government information and equipment.

MW-ORCA was responsible for and provided all program management and quality control actions required to successfully deliver the services as required in the contract.

The final task was the procurement of replacement storage network devices and services as defined by ACE-IT. Utilizing the bill of materials provided by ACE-IT, MW-ORCA took all steps necessary to ensure that the requested equipment was configured and delivered within the specified time frames and to the designated locations. Inventory and delivery notices were provided to ACE-IT and appropriate delivery actions were followed in accordance with the statement of work.