

ORD# 0636-2006

MODIFICATION #1
FOR
SPILL PREVENTION CONTROL & COUNTERMEASURES
(SPCC) PROGRAM AND NEW DUBLIN AVE. SUBSTATION
CONTROL BUILDING

Information to be included in all Legislation Modifying Contracts:

The names of all companies bidding or submitting an RFP or RFSQ for the original contract.

Vaughn Industries LLC

The location by City and State of all companies bidding or submitting an RFP or RFSQ for the original contract.

Vaughn Industries LLC
1201 E. Finley Street
Carey, Ohio 43316

The status, Majority, MBE, FBE, of all companies bidding or submitting an RFP or RFSQ for the original contract.

Vaughn Industries LLC is a majority owned company.

The name and location of the firm awarded the original contract and the Contract Number.

Vaughn Industries LLC
1201 E. Finley Street
Carey, Ohio 43316
Contract# EL005452

A description of work performed to date as part of the contract and a full description of work to be performed during any future phasing of the contract.

Vaughn has started construction at all the SPCC sites. This includes the installation of concrete retainage areas around transformers and breakers, installation of duct banks, control cable trench and manholes. Vaughn will continue the installation of concrete retainage, ducts and cable trench. The retainage system was scheduled to be completed by February 18, 2006 to meet the US EPA mandated dates for spill containment. Vaughn will continue working on breaker replacements after the February 18 date.

An updated contract timeline to contract completion.

The contractors schedule has not changed.

A description of any and all modifications to date including the amounts of each modification and the Contract Number associated with any modification to date. (List each modification separately)

N/A

A full description of the work to be performed as part of the proposed contract modification. (Indicating the work to be a logical extension of the contract is not sufficient explanation)

DUBLIN AVE. SUBSTATION GROUND GRID

The installation of additional ground grid in the Dublin Ave. Substation. The existing ground grid has deteriorated to the point that it is unsafe for personnel to work in the area. The installation of a revised grounding grid will need to be installed in the existing substation while it is energized at 138 KV. Therefore, a qualified electrical contractor is required to perform this work. The installation needs to be coordinated with other excavations for duct banks, cable trench and containment pads. The grid needs to be installed in conjunction with the other excavations and as soon as possible for safety reasons. The financial impact would be less to include the ground grid system improvements in this contract instead of having the work done after the contractor has restored the site because of the excavation work required. The additional cost for this modification is \$32,527.

MISCELLANEOUS FIELD CONDITIONS

There have been a number of unforeseen field conditions requiring changes to the scope of work for the contractor. These include removal of concrete floor slabs and asphalt slabs covered under the grade which were not known or shown on any Division of Electricity records. These have to be jack hammered by hand to remove the concrete and asphalt due to space limitations around the energized 138 KV bus. Also, the proposed duct banks have to be relocated to avoid unknown underground obstructions. An existing pullbox will have to be rebuilt. An existing manhole will have to have the top rebuilt and raised after the contractor excavated to install new duct system into it. There was an existing duct system in the way and the new duct has to be rerouted over the existing. These changes are the result of a lack of good records of the existing facilities. The additional cost for this modification is \$70,491.02.

POWER CABLE

Per the contract, the Division of Electricity was to supply power cable from transformer T-1 to the main circuit breaker 14010. After the contract was awarded and prior to construction, the Universal Term Contract for wire and cable was not in place. In order to get transformer T-1 back in service, the contractor is supplying this cable. The additional cost for this modification is \$14,000.

MISCELLANEOUS CREDITS

A control building was bid as part of this contract bid (Item # 10). There are items bid that are not needed until the control building is installed. These items are being removed from the project. This will result in a credit to the Division of \$ 12,491.02.

If the contract modification was not anticipated and explained in the original contract legislation a full explanation as to the reasons the work could not have been anticipated is required. (Changed or field conditions are not sufficient explanation. Describe in full the changed conditions that require modification of the contract scope and amount.)

DUBLIN AVE. SUBSTATION GROUND GRID

The contractor received static discharges from the steel structures within the Dublin Ave. Substation. The ground grid over time has deteriorated. To prevent someone from getting hurt, additional ground grid needs to be installed.

MISCELLANEOUS FIELD CONDITIONS

The Dublin Ave. Substation was built several years ago. The Division does not have adequate records of the existing sub-grade conditions. Therefore, until excavated there is no way of determining what is below grade.

POWER CABLE

There is no reason to expect the Division would not have a wire and cable Universal Term Contract in place.

MISCELLANEOUS CREDITS

Because the bids were more than what was budgeted, it was decided to remove the control building from the contract. Therefore, some duct that was to be routed to the control building was deleted.

An explanation of why the work to be performed as part of the contract modification cannot be bid out. (Indicating the work to be a logical extension of the contract is not sufficient explanation)

From a safety stand point, the existing ground grid needs to be reinforced with additional ground wire and ground rods to lower the system resistance. It will be more cost effective to install the grounding grid system before the site work is completed. The miscellaneous field condition changes are accruing as the project is progressing. The contractor has to remove unknown floor slabs as they are installing duct banks, cable trench, etc. It would not be feasible to have another contractor remove any unknown obstructions ahead of this contractor.

A cost summary to include the original contract amount, the cost of each modification to date (List each modification separately), the cost of the modification being requested in the legislation, the estimated cost of any future known modifications and a total estimate of the contract cost.

Original contract amount	\$ 624,998.70
Modification #1 (current)	\$ 104,527.00
Future modifications known	<u>\$ 0.00</u>
Estimated Total	\$ 729,525.70