

**Information to be included in all Legislation authorizing
Entering into Contracts:**

Not Applicable – this legislation is to modify a contract.

The names of all companies bidding or submitting an RFP or RFSQ

The location by City and State of all companies bidding or submitting an RFP or RFSQ

The status, Majority, MBE or FBE, of all companies bidding or submitting an RFP or RFSQ

A full description of all work to be performed including a full description of work to be performed during any known phasing of the contract.

A narrative timeline for the contract including a beginning date, beginning and ending dates for known phases of the contract and a projected ending date.

An estimate of the full estimated cost of the Contract including a separate estimate of any and all phases or proposed future contract modifications.

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.

Note this is a construction contract, not an RFP or RFSQ.

Reynolds, Inc.

Collector Wells International, Inc.

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

Note this is a construction contract, not an RFP or RFSQ.

Reynolds, Inc.

4520 North State Road 37

Orleans, IN 47452-0186

Collector Wells International, Inc.

6360 Huntley Road

Columbus, Ohio

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

Note this is a construction contract, not an RFP or RFSQ. The bidders are as follows:

Reynolds, Inc.

Majority

Collector Wells International, Inc.

Majority

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

Reynolds, Inc.

4520 North State Road 37

Orleans, IN 47452-0186

Contract 1071

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.

To date the work completed includes abandoning existing deteriorating laterals and projecting new laterals in Collector Well 115. The well was then performance tested, disinfected and put back into service. The Contractor is currently working in Collector Well 104. The existing deteriorating laterals have been abandoned. Due to unforeseeable adverse subsurface conditions the Contractor was unable to complete projection of the first new lateral to the specified length and was unable to project the next to even a functional length. The Contractor was then issued a change order to perform exploratory borings to determine the likelihood of similar problems for the remaining laterals. After the borings another lateral was projected resulting in approximately 59% of the total specified lateral length for this well being projected. The borings indicated a high probability that the Contractor would be unsuccessful in attempting to project the remaining laterals. It was determined that the fixed costs incurred with each attempted lateral projection outweighed the benefits when coupled with the low probability of success. Alternatives were sought to make up for the loss of functioning lateral length. To this end the Contractor has proposed installing new well screen inside the existing deteriorating well screen of some of the previously abandoned laterals. The Division has reviewed this proposal and wishes to issue a change order to proceed. (The additional work would be paid for with this requested modification) In addition to the this work, all work included in the original contract associated with abandonment and projection of new laterals on Well 101 as well as the work associated with removing sediment from the caisson of Well 103 remains to be completed.

An updated contract timeline to contract completion.
See attached - Contractor's revised Schedule.

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)

There are no prior Modifications.

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)
{See attached scope submitted by Contractor}

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 is not sufficient explanation. Describe in full the changed conditions that require modification of the contract scope and amount.)

There is an extensive amount of uncertainty involved in constructing collector wells. The laterals are projected horizontally through an aquifer from a central caisson. While data collected from soil borings can be useful in characterizing the general physical conditions of the aquifer it can not hope to identify every potential obstacle (large cobble or clay seam) that can impede projection of a particular lateral. Because this contract called for projecting new laterals into existing wells, design soil borings and other data collected during the original construction was available for reference. This data seemed to indicate a good probability for success in projecting the proposed laterals as described in the contract

documents. Local conditions proved otherwise. Physical limitations in the well caisson itself preclude attempting to extend laterals in different directions or at higher elevations.

The alternatives are as follows:

1. Remove the blind flanges from the existing producing but deteriorating laterals. This will restore the well to full capacity but the deteriorating well screen will eventually fail, allowing infiltration of aquifer material, damaging the well pumps and rendering the well useless.
2. Complete the work on the well as specified in the original contract. This will result in the well being fed with 59% of the design lateral length. There is no way to predict the extent of effects this would have on the well during different aquifer and/or loading conditions. The logical assumption is that during peak pumping they would be negative and significant.
3. Proceed with the re-screening of existing producing laterals as described above. This is the only identified option that restores both the reliability and the viability of this well to the original design conditions.

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)

The pumps have been removed from the well and are currently being stored on site. Bidding this additional work would require the current Contractor to reinstall the pumps and put the well back into service employing one of the un-chosen options above and thus incurring the associated risks. Work on this well could not begin until the current contract was complete. (Division policy does not allow for two wells being simultaneously out of service.) The additional cost associated with mobilization and again removing and reinstalling the pumps by the new Contractor as well as the increased exposure to risk would well exceed any benefit.

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.

At this time it is not anticipated any additional phases or contract modifications will be required for this construction contract. As with any construction project being performed, it is possible unanticipated conditions may arise which would require a construction contract modification. At this time, however, the complete estimated cost breaks down as follows:

Original Contract Amount	\$1,381,485.00
Cost of this Modification	\$ 350,025.00
Total Amount	\$1,731,510.00