

ORDINANCE NO. 1485-2006

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

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

Dynotec, Inc.

R. W. Armstrong

Prime Engineering & Architecture, Inc.

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

Dynotec, Inc. (Columbus, Ohio)

R. W. Armstrong (Columbus, Ohio)

Prime Engineering & Architecture, Inc. (Westerville, Ohio)

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

Dynotec, Inc. (MBE)

R. W. Armstrong (Majority)

Prime Engineering & Architecture, Inc. (FBE)

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.

The City of Columbus, Ohio entered into two consent orders with the State of Ohio to address the capacity of the separate and combined collection systems and wastewater treatment plants including the operation, maintenance, management, capacity, and improvements of the City's collection systems and wastewater treatment facilities. Under these orders, the Wet Weather Management Plant (WWMP) dated July 1, 2005, has been prepared. The WWMP includes a large program of capital improvements, of which these projects are a part of.

Hydraulic modeling performed for the Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP) identified which CSO structures can be modified to utilize more capacity within the combined sewer system without affecting upstream properties. The modifications include raising of overflow weir elevations in CSO regulators and manholes to increase the available storage upstream of each overflow structure. By doing this, the City will reduce the frequency and volume of combined sewer overflows that can occur during rainfall.

The primary objectives of this project follow:

- 1. Implement the capital improvement project identified in the WWMP in order to reduce the frequency and volume of combined sewer overflows that can occur from rainfall.**
- 2. The projects will modify combined sewer overflow structures to utilize more capacity within the combined sewer system without affecting upstream properties. The modifications include raising of overflow elevations to increase available storage upstream of each overflow.**

3. Perform field investigations and review all available information and data in order to verify the recommended height raise for each overflow structure presented in the WWMP is feasible. For each structure where the recommended raise in overflow elevation is not feasible, determine a new overflow elevation that is. It is not anticipated that the Consultant will perform hydraulic modeling runs. Model runs, if needed will be performed by City based on input provided by Consultant.

4. Identify and recommend cost effective methods to raise existing overflow structures.

5. Prepare necessary constructions plans and documents. The City may wish to use their own crews to perform the construction depending on complexity and time.

The following regulators have been identified for weir raising: Broad, Long and Chestnut.

All CSO structures require a field inspection using confined space entry and traffic control. The field inspection will evaluate conditions of the existing overflow structure and verify record plan information is up to date. Investigations using available City information including: flow monitor data, SWMM models and SMOC customer complaints will be undertaken to confirm the recommended raise in overflow elevation is feasible and does not affect upstream properties.

A letter report will be prepared and submitted to the City verifying that the recommended raise in overflow elevation is feasible. If the recommended overflow elevation is found not feasible, a revised overflow elevation will be determined. After City review and approval, plans and construction documents will be prepared to raise the overflow elevation in each structure.

The following table lists the recommended amount to raise the overflow elevation in each CSO structure. The information is taken from Table 8.4.22: Alternative 13: Technology Sizes for 12 Month Level of Control in the WWMP.

Broad Street Regulator	Raise weir height 6 ft
Long Street Regulator	Raise weir height 1.5 ft
Chestnut Street Regulator	Raise weir height 2.0 ft

Construction plans and documents may be prepared separately for each location.

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.

The project timeline follows.

- Consultants Notice to Proceed (September 2006)
- Submit draft report letter (December 2006)
- Submit draft plans (February 2007)
- Submit final plans (March 2007)
- Advertisement for construction (April 2007)
- Construction start (June 2007)

- **Construction end (December 2007)**
- **Project end (January 2008)**

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

Engineering cost: \$49,970.00

Estimated construction cost: \$131,000

No phases or proposed future contract modifications are expected.