



## Legislation Text

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**File #: 1187-2012, Version: 1**

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**1. BACKGROUND:** This Ordinance authorizes the Director of Public Utilities to modify and increase the professional engineering services agreement with CH2M Hill Engineers, Inc. (fka CH2M Hill, Inc.) for the Parsons Avenue Water Plant (PAWP) Treatment Upgrade Project, Division of Power and Water Contract No. 1095.

Work under the original agreement (EL007318, Ord #1073-2007) entailed professional consulting/engineering services to provide full-service assistance to the City to evaluate options and design an upgrade to the Parsons Avenue Water Plant to reliably treat a 50 MGD combination of ground water, ground water under the direct influence of surface water (GWUDI), and surface water. The original agreement entailed tasks identified as Preliminary Engineering, including Bench-Scale Demonstration and Microbial Studies, which will be compiled into a Preliminary Engineering Report.

Work under Modification No. 1 (EL012078, Ord# 1030-2011) allowed for completion of the Preliminary Engineering Report, including finalization of a series of Technical Memorandums which summarized the findings throughout the preliminary investigation into plant upgrades.

This agreement Modification (No. 2) will complete the detailed design and bidding portion of the project, which is expected to be completed 18 months following the Notice to Proceed. It will include 30%, 60% and 90% design submittals and review meetings, Value Engineering, regulatory submittals, a geotechnical investigation, and a Full-Scale Microbial Demonstration Study as necessary.

**1.1 Amount of additional funds to be expended: \$5,950,000.00**

Original Contract Amount: \$1,740,400.00  
Modification #1: \$ 275,000.00  
Modification #2: (current) \$5,950,000.00  
Amount of original contract and Mods 1-2: \$7,965,400.00

**1.2 Reasons additional goods/services could not be foreseen:**

This was a planned contract modification as indicated in the original authorizing legislation (Ord #1073-2007) and the first contract modification (Ord #1030-2011).

**1.3 Reason other procurement processes are not used:**

The consultant team is very familiar with the details of the project and has performed a multitude of tests, prepared a series of reports and documentation detailing their findings and recommendations, and have compiled the Preliminary Design Report. This contract was anticipated to be funded in phases as indicated on the original authorized legislation (Ord #1073-2007). The process of selecting and contracting with a new consultant team at this time and having them start with data and reports prepared by another consultant would further delay the project and the design of major upgrades that will help the plant provide reliable service and preparedness for future regulatory changes or updates.

**1.4 How cost of modification was determined:**

The Consultant prepared an estimate of cost for the remaining scope of work based on a series of meetings and defined task list. City Project management staff reviewed, provided input into the scope and the fees, and approved this cost proposal.

**2. ECONOMIC IMPACT/ADVANTAGES; COMMUNITY OUTREACH; PROJECT DEVELOPMENT; ENVIRONMENTAL FACTORS/ADVANTAGES OF PROJECT:** This project is necessary to meet anticipated

regulatory requirements for the Parsons Avenue Water Plant (PAWP). The PAWP is an essential and integral component in the Columbus area water supply and treatment infrastructure. Adequate safe supply of water is essential to economic growth and development.

Public informational meetings are not anticipated for this project, all proposed work should be within the boundaries of the water treatment facility. Regulatory agencies will be notified of the proposed work as appropriate.

The consultant team has identified a commitment to the Mayor's Green Initiative in their business practices. Upgrades to the electrical systems at the plant will be evaluated for increased efficiency and reduced energy consumption.

**3. CONTRACT COMPLIANCE INFO:** 32-0100027, expires 2/25/13, Majority Searches in the Excluded Party List System (Federal) and the Findings for Recovery list (State) produced no findings against CH2M Hill Engineers, Inc.

**4. FUTURE AGREEMENT MODIFICATION:** A future agreement modification will be sought for services to be performed by CH2M Hill Engineers, Inc. and their sub-consultants for Engineering Services during Construction, which will continue through the construction period.

**5. FISCAL IMPACT:** This legislation includes a transfer of funds within the Water Works Enlargement Voted Bonds Fund, the Water Build America Bonds Fund, and the Water Super Build America Bonds Fund, and an amendment to the 2012 Capital Improvements Budget.

To authorize the Director of Public Utilities to enter into a planned modification for the professional engineering services agreement with CH2M Hill Engineers, Inc. for the Parsons Avenue Water Plant (PAWP) Treatment Upgrade Project; in the amount of \$5,950,000.00; to authorize transfers and expenditures within the Water Works Enlargement Voted Bonds Fund, the Water Build America Bonds Fund, and the Water Super Build America Bonds Fund; and to authorize an amendment to the 2012 Capital Improvements Budget. (\$5,950,000.00)

**WHEREAS**, Contract No. EL007318 was authorized by Ordinance No. 1073-2007 passed July 23, 2007, was executed on September 11, 2007, and was approved by the City Attorney on September 19, 2007; and

**WHEREAS**, Contract Modification No.1 EL012078 was authorized by Ordinance No. 1030-2011 passed July 18, 2011, was executed on August 18, 2011, and was approved by the City Attorney on August 18, 2011; and

**WHEREAS**, Modification No. 2 is needed to complete the detailed design and bidding portion of the project; and

**WHEREAS**, it is necessary for this Council to authorize the City Auditor to transfer and expend funds within the Water Works Enlargement Voted Bonds Fund, the Water Build America Bonds Fund, and the Water Super Build America Bonds Fund; and

**WHEREAS**, it is necessary to authorize an amendment to the 2012 Capital Improvements Budget for purposes of providing sufficient funding and expenditure authority for the aforementioned project expenditure; and

**WHEREAS**, it has become necessary in the usual daily operation of the Department of Public Utilities, Division of Power and Water, to authorize the Director of Public Utilities to modify and increase the professional engineering services agreement with CH2M Hill Engineers, Inc. for the Parsons Avenue Water Plant (PAWP) Treatment Upgrade Project, for the preservation of the public health, peace, property, safety and welfare; now, therefore,

**BE IT ORDAINED BY THE COUNCIL OF THE CITY OF COLUMBUS:**

**SECTION 1.** That the Director of Public Utilities is hereby authorized and directed to modify and increase the professional engineering services contract with CH2M Hill Engineers, Inc. for the Parsons Avenue Water Plant (PAWP) Treatment Upgrade Project, for the Division of Power and Water, in the amount of \$5,950,000.00.

**SECTION 2.** That this contract modification is in compliance with Section 329.16 of Columbus City Codes, 1959.

**SECTION 3.** That the City Auditor is hereby authorized to transfer \$729,072.62 within the Department of Public Utilities, Division of Power and Water, Water Works Enlargement Voted Bonds Fund, Fund No. 606, Dept./Div. No. 60-09, Object Level Three 6677, as follows:

**Fund No. | Project No. | Project Name | OCA Code | Change**

606 | 690026-100002 (carryover) | 910/Indianola Bldg Imp's | 623639 | -\$729,072.62

606 | 690488-100000 (carryover) | PAWP Treatment Upgrades | 606488 | +\$729,072.62

**SECTION 4.** That the City Auditor is hereby authorized and directed to appropriate the following:

Division: Power and Water

Dept./Div. No.: 60-09

OL3: 6677

**Fund No. | Fund Name | Project No. | Project Name | OCA | Amount**

609 | Water Build America Bonds Fund | 609999-100000 (carryover) | Unallocated Balance Fund 609 | 609999 | \$30,392.91

610 | Water Super Build America Bonds Fund | 610999-100000 (carryover) | Unallocated Balance Fund 610 | 610999 | \$6,125.83

**SECTION 5.** That the City Auditor is hereby authorized to transfer \$89,438.40 within the Department of Public Utilities, Division of Power and Water, Water Build America Bonds Fund, Fund No. 609, Dept./Div. No. 60-09, Object Level Three 6677, as follows:

**Fund No. | Project No. | Project Name | OCA Code | Change**

609 | 452501-100000 (carryover) | GIS | 692501 | -\$22,332.98

609 | 609999-100000 (carryover) | Unallocated Balance | 609999 | -\$30,392.91

609 | 690394-100000 (carryover) | Water Meter Renewal | 609394 | -\$18,597.48

609 | 690395-100000 (carryover) | Valve Renewal Prgm | 609395 | -\$179.34

609 | 690411-100000 (carryover) | Watershed Misc. Imp's | 609411 | -\$8,853.19

609 | 690500-100000 (carryover) | HCWP Roof Restoration | 609500 | -\$9,082.50

609 | 690488-100000 (carryover) | PAWP Treatment Upgrades | 609488 | +\$89,438.40

**SECTION 6.** That the City Auditor is hereby authorized to transfer \$131,488.98 within the Department of Public Utilities, Division of Power and Water, Water Super Build America Bonds Fund, Fund No. 610, Dept./Div. No. 60-09, Object Level Three 6677, as follows:

**Fund No. | Project No. | Project Name | OCA Code | Change**

610 | 610999-100000 (carryover) | Unallocated Balance | 610999 | -\$6,125.83

610 | 690236-100020 (carryover) | Canyon Dr. WL Imp's | 623620 | -\$125,363.15

610 | 690488-100000 (carryover) | PAWP Treatment Upgrades | 610488 | +\$131,488.98

**SECTION 7.** That the 2012 Capital Improvements Budget is hereby amended as follows:

<u>Fund No.</u>	<u>Proj. No.</u>	<u>Proj. Name</u>	<u>Current Authority</u>	<u>Revised Authority</u>	<u>Change</u>
606	690026-100002 (carryover)	910/Indianola Bldg Imp's	\$2,129,674	\$1,400,601	-\$729,073
606	690488-100000 (carryover)	PAWP Treatment Upgrades	\$5,000,000	\$5,729,073	+\$729,073
609	452501-100000 (carryover)	GIS	\$0	\$22,333	+\$22,333
	(establish authority for cancellation)				
609	452501-100000 (carryover)	GIS	\$22,333	\$0	-\$22,333
609	609999-100000 (carryover)	Unallocated Balance	\$0	\$30,393	+\$30,393
	(establish authority to match cash)				
609	609999-100000 (carryover)	Unallocated Balance	\$30,393	\$0	-\$30,393
609	690394-100000 (carryover)	Water Meter Renewal	\$88,594	\$107,192	+\$18,598
	(establish authority for cancellation)				
609	690394-100000 (carryover)	Water Meter Renewal	\$107,192	\$88,594	-\$18,598
609	690395-100000 (carryover)	Valve Renewal Prgm	\$0	\$180	+\$180
	(establish authority for cancellation)				
609	690395-100000 (carryover)	Valve Renewal Prgm	\$180	\$0	-\$180
609	690411-100000 (carryover)	Watershed Misc. Imp's	\$0	\$8,854	+\$8,854
	(establish authority for cancellation)				
609	690411-100000 (carryover)	Watershed Misc. Imp's	\$8,854	\$0	-\$8,854
609	690500-100000 (carryover)	HCWP Roof Restoration	\$0	\$9,083	+\$9,083
	(establish authority for cancellation)				
609	690500-100000 (carryover)	HCWP Roof Restoration	\$9,083	\$0	-\$9,083
609	690488-100000 (carryover)	PAWP Treatment Upgrades	\$0	\$89,441	+\$89,441

610	610999-100000 (carryover)	Unallocated Balance	\$0	\$6,126	+\$6,126
	(establish authority to match cash)				
610	610999-100000 (carryover)	Unallocated Balance	\$6,126	\$0	-\$6,126
610	690236-100020 (carryover)	Canyon Dr. WL Imp's	\$0	\$125,364	+\$125,364
	(establish authority for cancellation)				
610	690236-100020 (carryover)	Canyon Dr. WL Imp's	\$125,364	\$0	-\$125,364
610	690488-100000 (carryover)	PAWP Treatment Upgrades	\$0	\$131,490	+\$131,490

**SECTION 8.** That the expenditure of \$5,950,000.00 is hereby authorized for the Parsons Avenue Water Plant (PAWP) Treatment Upgrade Project, Division 60-09, Object Level Three 6677, as follows:

<u>Fund No.</u>	<u>Fund Name</u>	<u>Project No.</u>	<u>OCA Code</u>	<u>Amount</u>
606	Water Works Enlargement Voted Bonds Fund	690488-100000 (carryover)	606488	\$5,729,072.62
609	Water Build America Bonds Fund	690488-100000 (carryover)	609488	\$89,438.40
610	Water Super Build America Bonds Fund	690488-100000 (carryover)	610488	\$131,488.98

**SECTION 9.** That the City Auditor is hereby authorized and directed to transfer any unencumbered balance in the project account to the unallocated balance within the same fund upon receipt of certification by the Director of the Department administering said project that the project has been completed and the monies no longer required for said project; except that no transfer shall be made from a project account by monies from more than one source.

**SECTION 10.** That the City Auditor is authorized to establish proper project accounting numbers as appropriate.

**SECTION 11.** That the City Auditor is authorized to make any accounting changes to revise the funding source for all contracts or contract modifications associated with this Ordinance.

**SECTION 12.** That this Ordinance shall take effect and be in force from and after the earliest period allowed by law.