



Legislation Text

File #: 1651-2015, **Version:** 1

BACKGROUND: This legislation authorizes the Director of Public Utilities to enter into an engineering agreement with Brown & Caldwell for professional engineering services for the Scioto Main Sanitary Pump Stations project, CIP 650886 -100000. During a Scioto River 25 year flood event (or greater), the sluice gate at the Rhodes Park flow control structure must be closed, which results in all upstream flow from the Scioto Main trunk sewer being directly discharged to the Scioto River thru the McKinley Avenue overflow structure, which is upstream of Rhodes Park.

Currently, numerous manholes on the Scioto Main trunk sewer and its tributary sanitary sewers are structurally deficient and cannot withstand surcharge above their corresponding top of casting elevation, which is necessary for successful activation of the McKinley Avenue overflow structure. This deficiency prevents the City of Columbus from completing successful operation of our WCLPP requirements during Scioto River flood events.

A Large Diameter Sewer Condition Assessment will be performed on the middle section of the Scioto Main Trunk Sewer. This section begins at Griggs Reservoir and continues south to West Broad Street, a distance of approximately 26,000 feet of 84-inch and 90-inch sanitary sewer. A technical memorandum and delivery of the consolidated inspection records will be performed by the selected engineer. The memorandum shall be coordinated with any manhole rehabilitation and/or manhole abandonment proposed by this project.

Design tasks related to Scioto Main trunk sewer will include:

- Large Diameter Sewer Condition Assessment of Scioto Main Trunk Sewer - Middle section.
- Field survey and investigation of potential identified upstream WIB locations and associated structures.
- Field survey, investigation, review and design of recommended alternatives to mitigate upstream WIB occurrences (e.g. pump stations, back flow valves, etc.).
- Review and research of existing easement documents previously acquired to construct the Scioto Main Trunk sewer and tributary sewers, document missing easement documents.
- Preparation of new easements for expired or missing easements, provide new easements (estimated 70 easements) for construction improvements, including possible manhole abandonment, or where access is needed for future maintenance to standards
- Field survey and manhole inspection of missed Scioto Main trunk and tributary sewer manholes (missed structures 0121S0024, 0121S0043, and 0121S0020).
- Review all recommended (105 reports) manhole improvements (from MH 0082S0145 to MH 0023S0083) on Scioto Main trunk and tributary sewers and prepare construction plans.
- Coordination and preparation of all environmental permits required from OEPA for manhole improvements and WIB protection.
- Perform additional CCTV work for small diameter Arlington sewers (CC-1217 - City found evidence of deteriorated pipe), review, recommend, and design potential improvements for repair or relining.

Design tasks related to WCLPP components will include:

- Review of WCLPP design documents and memorandums.
- Field survey and investigation of existing McKinley overflow and Rhodes Park structures.
- Recommend and design improvements, including all required calculations, for the McKinley Avenue overflow and Rhodes Park structures.
- Review easements acquired to construct McKinley Avenue overflow and Rhodes Park structures.
- Preparation of new easements for expired easements, provide new easements for construction improvements or where access is needed for future maintenance of the McKinley Avenue overflow and Rhodes Park structures.

- Coordination and preparation of all permits required from OEPA and USACOE for modification of McKinley Avenue overflow and Rhodes Park structures.

PROJECT TIMELINE: The lead engineer shall submit draft and final PDR report, perform a large diameter condition assessment for the Scioto Main, provide a technical memorandum and deliver consolidated inspection records for the condition assessment, provide one (1) set of pump station (or alternative solution) construction plans in CC drawing format with specification documents, provide one (1) set of sanitary sewer and manhole rehabilitation construction plans in CC drawing format with specification documents, provide all easement documents and associated plan drawings, and complete all project tasks (excluding construction coordination phase) for this project within 365 days after the notice to proceed is issued.

PROCUREMENT: The Department of Public Utilities advertised a Request for Proposals (RFP) Hybrid Process for this project in the City Bulletin in accordance with the overall provisions of Section 329 of Columbus City Codes. On January 15, 2015, six (6) firms submitted detailed proposals for this project to the Director of Public Utilities. The following companies submitted bids:

<u>Name</u>	<u>C.C. No. /Exp. Date</u>	<u>City/State</u>	<u>Status</u>
AECOM	95-2661922 / 09/23/2016	Columbus, Ohio	MAJ
American Structurepoint	35-1127317 / 10/04/2015	Columbus, Ohio	MAJ
Brown & Caldwell	94-1446346 / 03/18/2016	Columbus, Ohio	MAJ
Burgess & Niple	31-0885550 / 09/12/2016	Columbus, Ohio	MAJ
CDM	04-2473650 / 12/04/2016	Columbus, Ohio	MAJ
Prime AE Group	26-0546656 / 02/05/2016	Columbus, Ohio	ASN

These proposals were reviewed and ranked by a Professional Engineering Services Selection Committee in order to determine the consultant best qualified to provide the services for this project. The committee ranked the proposals on quality, feasibility and cost. After careful consideration, the committee recommended that Brown & Caldwell Ohio LLC be selected to provide the engineering services for this project, for which the Director of Public Utilities has concurred.

Emergency Designation: The Department of Public Utilities **is not requesting** emergency legislation.

CONTRACT COMPLIANCE NO: 94-1446346 | MAJ | 03/18/2016

ECONOMIC IMPACT: The City previously commissioned a field inspection and report on the condition of numerous manholes on the Scioto Main trunk sanitary sewer and related tributary sewers. The final report indicated many manholes are structurally deficient and cannot withstand surcharge above their corresponding top of casting elevation. The surcharging of the manholes is necessary for the successful activation of the McKinley Avenue overflow structure which protects West Columbus from surface flooding. This manhole deficiency prevents the City of Columbus from completing certain phases of the Corps approved protection plan for the West Columbus Local Protection Project (WCLPP) during Scioto River flood events.

FISCAL IMPACT: This legislation authorizes the appropriation and transfer of \$227,7755.12 from the Sanitary Sewer Reserve Fund to the Sanitary Sewer General Obligation (G.O.) Bond Fund; authorizes the transfer of \$1,180,972.00 within and expenditure of up to \$1,478,291.00 from Sanitary Sewer General Obligation (G.O.) Bond Fund; authorizes the appropriation, transfer and expenditure of up to \$255,876.78 from the Build America Bonds (BABs) Fund; \$1,394.24 from the Sanitary Recovery Zone Super Build America Bonds Fund (Super BABs); \$56,663.34 from the Sanitary Sewer Permanent Improvements Fund, Fund 671; and amends the 2015 Capital Improvements Budget. The total expenditure across all funds is not to exceed \$1,792,224.98.

To authorize the Director of Public Utilities to enter into an agreement for professional engineering services with Brown & Caldwell Ohio, LLC for the Scioto Main Sanitary Pump Stations project; to authorize the appropriation and transfer of

funds from the Sanitary Sewer Reserve Fund to the Sanitary Sewer General Obligation (G.O.) Bond Fund; the transfer from the Build America Bonds (BABs) Fund, from the Sanitary Recovery Zone Super Build America Bonds Fund (Super BABs), from the Sanitary Sewer Permanent Improvements Fund, a total expenditure not to exceed \$1,792,224.98; and to amend the 2015 Capital Improvements Budget. (\$1,792,224.98)

WHEREAS, In accordance with the overall provisions of Chapter 329 of the Columbus City Codes, six (6) RFP's were received and opened on January 15, 2015 at the office of the Director of Public Utilities; and

WHEREAS, the Division of Sewerage and Drainage's Review Committee evaluated and recommended that the award for the Scioto Main Sanitary Pump Stations project be made to Brown & Caldwell Ohio LLC; and

WHEREAS, it is necessary to authorize the appropriation and transfer of \$227,775.12 from the Sanitary Sewer Reserve Fund, Fund 654 to the Sanitary Sewer General Obligation (G.O.) Bond Fund, Fund 664; and

WHEREAS, it is necessary to authorize the transfer within of \$1,180,972.00 and expenditure up to \$1,478,291.00 from Sanitary Sewer General Obligation (G.O.) Bond Fund, Fund 664; and

WHEREAS, it is necessary to authorize the appropriation, transfer, and expenditure of up to: \$255,876.78 from the Build America Bonds (BABs) Fund, Fund 668; \$1,394.24 from the Sanitary Recovery Zone Super Build America Bonds Fund (Super BABs), Fund 669; and \$56,663.34 from the Sanitary Sewer Permanent Improvements Fund, Fund 671; and

WHEREAS, it is necessary to amend the 2015 Capital Improvements Budget for purposes of creating and providing sufficient budget authority for the aforementioned expenditures; and

WHEREAS, a total expenditure of up to, and not to exceed, \$1,792,224.98 is necessary across all funds; and

WHEREAS, the City will sell notes or bonds to fund this portions of this project and will reimburse the Sanitary Reserve Fund the amount transferred; and

WHEREAS, this transfer should be considered as a temporary funding method; and

WHEREAS, the City anticipates incurring certain Original Expenditures (as defined in Section 1.150-2(c) of the Treasury Regulations (the "Treasury Regulations") promulgated pursuant to the Internal Revenue Code of 1986, as amended) with respect to the project described in this ordinance (the "Project"); and

WHEREAS, the Division of Sewerage and Drainage, Department of Public Utilities is requesting that this Council authorize the Director of Public Utilities to enter into a professional engineering services with Brown & Caldwell Ohio LLC, 4700 Lakehurst Court, Suite 100, Columbus, Ohio 43016 for the Scioto Main Sanitary Pump Stations project at the earliest practical date for the preservation of the public health, peace, property, safety; and **now therefore**

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

SECTION 1. That the Director of Public Utilities be, and hereby is, authorized to enter into a professional engineering services agreement with Brown & Caldwell Ohio LLC, 4700 Lakehurst Court, Suite 100, Columbus, Ohio 43016 for the Scioto Main Sanitary Pump Stations project, in accordance with the terms and conditions as shown in the contract modification on file in the office of the Division of Sewerage and Drainage.

SECTION 2. That from the unappropriated monies in the Sanitary Sewer Reserve Fund No. 654, and from all monies estimated to come into said fund from any and all sources, and unappropriated for any other purpose during the fiscal year ending December 31, 2015, the sum of \$227,775.12 is hereby appropriated to the Division of Sewerage and Drainage: Division 60-05 | OCA Code 655225 | Object Level One 10 | Object Level Three 5502.

SECTION 3. That the City Auditor is hereby authorized to transfer and appropriate a total of \$227,775.12 from the Sanitary Sewer Reserve Fund to the Sanitary Sewer General Obligation (G.O.) Bond Fund, Fund 664, into the Scioto Main Sanitary Pump Stations, Project 650886-100000, at such time as deemed necessary by the Auditor, or so much thereof as may be necessary in the following manner: Division 60-05 | OCA Code 664886 | Object Level 06 | Object Level Three 6676

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

A. Division: Sewerage and Drainage
Dept. /Div. No.: 60-05
Fund No.: 668
Fund Name: Sanitary B.A.B.s. Fund
OL3: 6676

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

668 | 668999-100000 | Unallocated Balance Fund 668 | 668999 | \$2,798.83

B. Division: Sewerage and Drainage
Dept. /Div. No.: 60-05
Fund No.: 669
Fund Name: Sanitary Recovery Zone Fund
OL3: 6676

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

669 | 669999-100000 | Unallocated Balance Fund 669 | 669999 | \$1,394.24

C. Division: Sewerage and Drainage
Dept. /Div. No.: 60-05
Fund No.: 671
Fund Name: Sanitary Sewer Permanent Improvements Fund
OL3: 6676

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

671 | 671999-100000 | Unallocated Balance Fund 669 | 999671 | \$56,663.34

SECTION 5. That the City Auditor is hereby authorized to transfer \$1,494,906.36 within the Department of Public Utilities, Division of Sewerage and Drainage | Dept. /Div. No. 60-05 | Obj. Lvl Three: 6676 in the following manner:

From:

Project No. | Project Name | OCA Code | Change

See the attached Cash Transfer Sheet

To:

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

664 | 650886-100000 | Scioto Main Sanitary Pump Stations | 664886 | +\$1,180,972.00
668 | 650886-100000 | Scioto Main Sanitary Pump Stations | 668886 | +\$255,876.78
669 | 650886-100000 | Scioto Main Sanitary Pump Stations | 669886 | +\$1,394.24
671 | 650886-100000 | Scioto Main Sanitary Pump Stations | 671886 | \$56,663.34

SECTION 6. That the 2015 Capital Improvements Budget is hereby amended as follows:
(See attachment for Amendments to the Authority to 2015 Capital Improvements Budget)

SECTION 7. That the Director of Public Utilities be and hereby is authorized to expend up to \$1,792,224.98 for the Scioto Main Sanitary Pump Stations project in the following manner for the Div. 60-05 | Obj. Lvl 3 6676:

664		650886-100000		Scioto Main Sanitary Pump Stations		664886		+\$1,478,290.62
668		650886-100000		Scioto Main Sanitary Pump Stations		668886		+\$255,876.78
669		650886-100000		Scioto Main Sanitary Pump Stations		669886		+\$1,394.24
671		650886-100000		Scioto Main Sanitary Pump Stations		671886		+\$56,663.34

SECTION 8. That the said firm Brown & Caldwell Ohio LLC., shall perform the work to the satisfaction of the Director of Public Utilities and the Administrator of the Division of Sewerage and Drainage.

SECTION 9. That the City Auditor is hereby authorized 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 are no longer required for said project; except that no transfer shall be made from a project 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 upon obtaining other funds for the purpose of funding sanitary sewer system capital improvement work, the City Auditor is hereby authorized to repay the Sanitary Sewer Reserve Fund the amount transferred above (Section 3), and said funds are hereby deemed appropriated for such purposes.

SECTION 13. That the City intends that this Ordinance constitute an "official intent" for purposes of Section 1.150-2(e) of the Treasury Regulations, and that the City reasonably expects to reimburse itself for certain Original Expenditures incurred with respect to the Project from the proceeds of obligations to be issued by the City in a principal amount currently estimated to be \$227,775.12 (the "Obligations").

The City intends to make a reimbursement allocation on its books for the Original Expenditures not later than eighteen months following the later to occur of the date of the Original Expenditure to be reimbursed or the date the Project for which such Original Expenditures were made is "placed in service" within the meaning of Treasury Regulations Section 1.150-2(c). Upon the issuance of the Obligations, the proceeds of such Obligations shall be used to reimburse Sanitary/Sewer Reserve Fund 654, which is the fund from which the advance for costs of the Project will be made.

SECTION 14. That this ordinance shall take effect and be in force from and after the earliest period allowed by law.