

## CITY COUNCIL AGENDA MEMORANDUM

### **SUBJECT**

Resolution No. 8676 authorizing execution of a professional services agreement with MWH Americas, Inc. for engineering services for the East CBD Sewer Trunkline Improvements Final Design Services project, in the amount of \$191,000 (CIP Plan No. S-52).

### **FISCAL IMPACT**

This contract obligates the City to an amount up to \$191,000. This work is included in the 2013-2019 CIP. Sufficient funding exists within the East CBD Sewer Trunkline Improvements Program (CIP Plan No. S-52), to fully fund this contract.

### **STAFF CONTACT**

Nav Ota, Director, 452-2041

Paul Bucich, Acting Assistant Director, 452-4596

*Utilities Department*

### **POLICY CONSIDERATION**

#### Utility Department policies:

- The Utility shall invest resources as necessary to construct, maintain and renew sewer system infrastructure and equipment such that Utility customers are provided consistent, reliable service.

#### City Comprehensive Plan policies:

- Base the extension and sizing of system components on the land use plan of the area. System capacity will not determine land use.

#### Utility Department practice:

- The City's practice is to provide sufficient sewer capacity to allow planned development. The current trunk line capacity would limit redevelopment within the East Central Business District of downtown Bellevue (CBD). CIP Plan Number S-52 has been designated to replace the current trunk line to provide sufficient capacity to meet the needs of planned growth.

#### City Contracting policies:

- BCC 4.28 provides for fair and equitable treatment in the purchasing process. Because the amount of the contract exceeds \$50,000, Council approval is required.

### **BACKGROUND**

This project will replace approximately 1,800 lineal feet of existing 12-inch and 20-inch diameter sewer pipe with 30-inch to 42-inch pipe to convey sewage from the eastern portion of the Central Business District (CBD).

The project is needed to provide sufficient sewer capacity to allow planned development in the eastern portion of the CBD. Sufficient capacity is needed to reduce the likelihood and occurrence of sewer overflows which pollute surface waters and create potential health and safety hazards. The Comprehensive Wastewater Plan projects that future development within the east portion of the CBD requires construction of this project. If these pipelines are not enlarged, the current system capacity

would limit downtown re-development.

The project poses several design challenges. The project is adjacent to wetlands and is within 200 feet of the Mercer Slough shoreline. This will require extensive environmental permit review to protect this sensitive area. The pipe design must also consider construction within the soft peat soils likely to be found in this area. In addition, the proposed route of the Sound Transit East Link light rail project is adjacent to this pipe on 112<sup>th</sup> Avenue SE. The City is working closely with Sound Transit to ensure that the projects are well coordinated.

Design of this project began in 2008, but needed to be placed on hold once Sound Transit selected 112th Avenue as a possible light rail corridor. Design has resumed in 2013 after a firm decision was made to locate rail on the west side of 112<sup>th</sup> Avenue. Since the original design consultant (Jacobs Engineering Group, Inc.) is currently working for Sound Transit as part of the East Link design team, final design of the East CBD sewer line will be done by new design consultant (MWH Americas, Inc.). The City determined that this change was required to ensure that no conflict of interest would arise from Jacobs' work for Sound Transit.

This professional services contract with MWH Americas, Inc. will provide final design services for the pipe replacement. The design will provide additional capacity to meet the demand associated with anticipated downtown development.

The consultant selection process for this project was consistent with the City's policies and procedures. A selection team representing engineering design, construction and operations staff participated in the consultant selection. The City's consultant roster was reviewed for sanitary sewer pipeline design experience, and from that the City invited nine consulting firms to submit SOQs. Seven of the firms submitted SOQs and the selection team reviewed the submittals by:

- MWH Americas
- CHS Engineers LLC
- Brown And Caldwell
- PACE
- Jacobs Engineering Group
- Roth Hill LLC
- Murray Smith & Associates.

The recently completed selection process for the Wilburton Sewer Capacity Upgrade Project, which went before Council on July 15, provided a pool of consultants with the qualifications also needed for the East CBD project. These included design of large diameter sewer pipelines in environmentally-sensitive areas with poor soils. The Statements of Qualifications (SOQs) were reviewed by staff, and MWH Americas was selected as the most qualified firm for the project. MWH has completed numerous sewer system conveyance projects throughout the Northwest and worldwide for various clients and municipalities. These projects range in size from 6 to 114 inches in diameter and covered key aspects of sewer planning, pipeline design and construction management. One notable project included design of several thousand feet of sewer pipeline for the Brightwater Conveyance System for King County. MWH's proposed core team for the East CBD Sewer Trunkline successfully completed the Sunset and Heathfield Pump Station and Force Main Upgrade project for King County, which had a very aggressive schedule, which the East CBD Sewer Trunkline project will have as well.

As required by state law relating to contracts for architectural and engineering services, the City selects the consultant deemed to be most highly qualified for a given project. State law precludes using cost as a basis for selection of engineering firms.

**EFFECTIVE DATE**

If adopted, this Resolution will become effective immediately.

**OPTIONS**

1. Adopt Resolution No. 8676 authorizing execution of a professional services agreement with MWH Americas, Inc. for engineering services, for the East CBD Sewer Trunkline Improvements Final Design Services project, in the amount of \$191,000 (CIP Plan No. S-52).
  
2. Do not adopt the Resolution and provide alternative direction to staff.

**RECOMMENDATION**

Adopt Resolution No. 8676 authorizing execution of a professional services agreement with MWH Americas, Inc. for engineering services, for the East CBD Sewer Trunkline Improvements Final Design Services project, in the amount of \$191,000 (CIP Plan No. S-52).

**MOTION**

Move to adopt Resolution No. 8676 authorizing execution of a professional services agreement with MWH Americas, Inc. for engineering services, for the East CBD Sewer Trunkline Improvements Final Design Services project, in the amount of \$191,000 (CIP Plan No. S-52).

**ATTACHMENTS**

CIP Project Description  
Proposed Resolution No. 8676

**AVAILABLE IN COUNCIL OFFICE**

Consultant Contract

**FY2013-2019 Capital Investment Program**

**S-52 East CBD Sewer Trunkline Improvements**

Category: Sewer  
Department: Utilities

Status: Approved and Begun  
Location: 112th Ave SE: Bellefield P.S. to 500 ft north of SE 8th St.

**Programmed Funding**

Programmed Funding	Appropriated To Date	FY 2013 Budget	FY 2014 Budget	FY 2015 Budget	FY 2016 Budget	FY 2017 Budget	FY 2018 Budget	FY 2019 Budget
2,894,045	532,243	1,096,742	1,265,060	-	-	-	-	-

**Description and Scope**

This project will replace approximately 1,600 feet of sewer pipe with larger diameter pipelines, to convey sewage generated from planned growth in the eastern side of downtown Bellevue, generally east of 110th Ave NE. This project may be adjusted to accommodate the construction alignment and schedule of the Sound Transit EastLink Light Rail.

PROJECT NEED: System Expansion

**Rationale**

The project is needed to provide sufficient sewer capacity to allow planned development in the eastern part of downtown. Sufficient capacity will reduce the likelihood and occurrence of sewer overflows which pollute surface waters and create potential health and safety hazards. The capacity is required now as every new development that drains to this pipe increases the risk of sewer overflows to Sturtevant Creek and Mercer Slough. To avoid conflicts and accommodate maintenance access, the pipes and associated facilities need to be located outside of the East Link light rail right-of-way. Final design and construction will be closely coordinated with Sound Transit.

The project is consistent with City Comprehensive Plan Policy UT-5, which indicates utility system capacity should not determine land use. The current wastewater system capacity would limit downtown redevelopment.

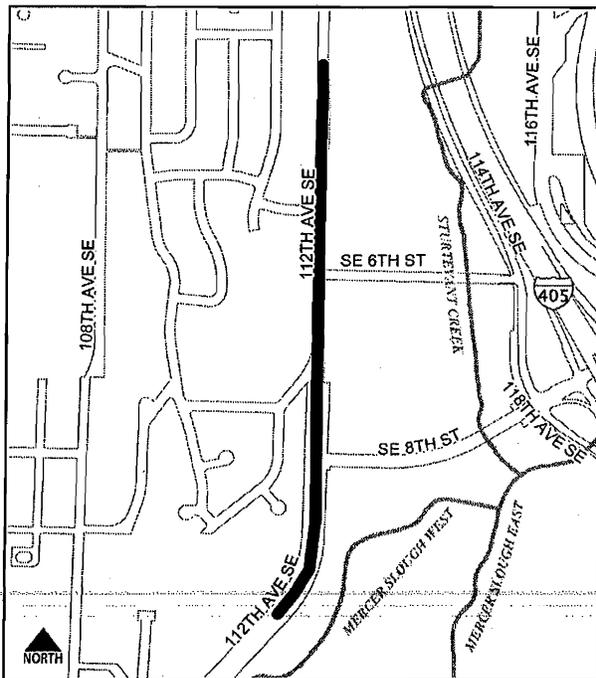
**Environmental Impacts**

An environmental determination will be made in conjunction with preliminary design of this project. SEPA review will be required. Construction impacts will be mitigated during construction; the additional capacity will reduce the potential for sewer overflow and consequent negative environmental impacts.

**Operating Budget Impacts**

This project will have no impact on operating revenues (and/or) expenditures.

**Project Map**



**Schedule of Activities**

Project Activities	From - To	Amount
Project Costs	2009 - 2014	2,894,045
<b>Total Budgetary Cost Estimate:</b>		<b>2,894,045</b>

**Means of Financing**

Funding Source	Amount
Utility Rates/Fees	2,894,045

**Total Programmed Funding:** 2,894,045  
**Future Funding Requirements:** 0

**Comments**

CITY OF BELLEVUE, WASHINGTON

RESOLUTION NO. 8676

A RESOLUTION authorizing the execution of a professional services agreement with MWH Americas, Inc., in an amount not to exceed \$191,000 (CIP Plan No. S-52) for engineering services for the East CBD Sewer Trunkline Improvements Final Design Services Project.

THE CITY COUNCIL OF THE CITY OF BELLEVUE, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. The City Manager or his designee is hereby authorized to execute a professional services agreement with MWH Americas, Inc., in an amount not to exceed \$191,000 (CIP Plan No. S-52) for engineering services for the East CBD Sewer Trunkline Improvements Final Design Services Project, a copy of which agreement has been given Clerk's Receiving No. \_\_\_\_\_.

Passed by the City Council this \_\_\_\_\_ day of \_\_\_\_\_, 2013, and signed in authentication of its passage this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

(SEAL)

\_\_\_\_\_  
Conrad Lee, Mayor

Attest:

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Myrna L. Basich, City Clerk