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**TO:** Honorable Mayor & Members  
Fort Lauderdale City Commission

**FROM:** Lee Feldman, City Manager

**DATE:** October 2, 2012

**TITLE:** Motion to approve Task Order No. 16 to CDM Smith Inc. - \$40,330 - Sewer Collection Basin A-7 Flow Diversion and Pump Station A-8 Improvements Analysis and Conceptual Design Report - P11836 and authorize funding transfer

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**Recommendation**

It is recommended that the City Commission approve Task Order 16 with CDM Smith Inc. for engineering services in the amount of \$40,330, plus two percent for engineering administration fees.

**Background**

The proposed task order provides for engineering services required to assist the City of Fort Lauderdale (City) in the evaluation of two (2) alternatives to relieve the high flows occurring in the downtown sewer collection system, and high pump runtimes at wastewater pump station (PS) A-7 located in the downtown area at the west end of the Riverwalk complex.

The Wastewater Master Plan Update (August 2007) developed by CDM Smith identified the need to divert a portion of the gravity sewer collection system east of Federal Highway to help relieve the high flows occurring in the downtown sewer collection systems and high pump runtimes at wastewater PS A-7. A new pump station was proposed to relieve PS A-7 of approximately 1 MGD of wastewater flow and associated infiltration inflow (I/I) and to allow capacity for continued growth and development in the downtown areas tributary to PS A-7. The proposed location for the station was a vacant lot easement located one block east of Federal Hwy and just north of Broward Boulevard.

The Wastewater Master Plan Update also identified improvements required for the upgrade of pump station PS A-8 located adjacent to the intersection of SE 2<sup>nd</sup> St. and SE 8 Ave and east of Federal Highway.

After review of the Wastewater Master Plan Update the City decided not to build the proposed new station or to perform further upgrades to PS A-7 due to the potential of a developer proposing to relocate the station, and additionally elected to defer the rehabilitation of PS A-8 due to interim acceptable operation and other funding priorities. However, the construction of the proposed station did not occur. Therefore, the City staff has discussed that a potential alternative (not considered in the Master Plan due to the small scale) to the proposed new station would be to investigate the partial diversion of a smaller portion of the wastewater flow in the A-7 sewer collection basin east of Broward Boulevard to existing PS A-8. This option will allow to relieve the high pump runtimes at wastewater pump station PS A-7, and to upgrade PS A-8.

The scope of services in Task Order 16 include data investigations, conceptual design, probable cost estimate, and report services for the evaluation of two (2) alternatives to convey and pump a diverted portion of the flow currently tributary to PS A-7 to PS A-8. The final report to be provided also will compare the two (2) alternatives with the new station alternative proposed on the Wastewater Master Plan Update.

The fees for the task order were reviewed by City staff and have been found to be reasonable. The hourly rates used in the proposed fee conform to the hourly rates set in the Master Agreement between CDM Smith Inc and the City as amended and approved by City Commission on May 1, 2012

**Resource Impact**

There is a fiscal impact to the City in the amount of \$40,330.00 for the task order and \$806.60 for engineering administration fees, for a total of \$41,136.60.

Funding transfer for this item is hereby requested in the amount of \$41,136.60, from Fund 454, Subfund 01, P11476.454 to Fund 454, Subfund 01, P11836.454-6599.

TRANSFER FROM:							
FUND	SUB FUND	FUND NAME	INDEX #	INDEX NAME	SUB OBJECT #	SUBJECT NAME	AMOUNT
454	01	Water and Sewer General Capital Projects	P11476.454	CMS Rehabilitation	6599	Construction	\$41,136.60
TRANSFER TO:							
454	01	Water and Sewer General Capital Projects	P11836.454	Pump Stations A-7 & A-8 Improvements	6599	Construction	\$41,136.60
<b>TOTAL</b>							<b>\$41,136.60</b>

**Attachment**

Exhibit 1 – Task Order 16

Prepared By: Andrea Shramko, P.E., Assistant City Engineer

Department Director: Albert J. Carbon, P.E. Public Works  
 10/2/2012  
 12-2220