

## SAINT PETERSBURG CITY COUNCIL

### Consent Agenda

Meeting of May 4, 2023

**TO:** The Honorable Brandi Gabbard, Chair, and City Councilmembers

**SUBJECT:** A Resolution approving the Seventh Amendment to the architect/engineering agreement dated September 1, 2017, as amended, between the City of St. Petersburg, Florida and CH2M Hill Engineers, Inc. (“A/E”) for A/E to provide additional services related to the development of model databases due to a change in modeling software from Environmental Protection Agency (EPA) Stormwater Management Model (SWMM) 5.1 to Interconnected Pond Routing Version 4 (ICPR4) Model for Phase II of the Stormwater Management Master Plan Update Project in an amount not to exceed \$599,772.39, providing that the total contract amount shall not exceed \$3,592,038.25; authorizing the mayor or his designee to execute the Seventh Amendment; approving a rescission of an unencumbered appropriation in the Stormwater Drainage Capital Projects Fund (4013) in the amount of \$599,773 from the 1st Ave N at 58th St SDI FY 2021 Project (17984); approving a supplemental appropriation in the amount of \$599,773 from the increase in the unappropriated balance of the Stormwater Drainage Capital Projects Fund (4013), resulting from the above rescission, to the Master Plan Update Stormwater FY17 Project (15775) to provide funding for this Amendment; and providing an effective date. (ECID Project No. 17037-110; Oracle Project No. 15775)

**EXPLANATION:** On November 16, 2016, the City issued a Request for Qualifications, RFQ 6305, Consulting Services, Stormwater Management Master Plan Update.

*The consultant will perform a comprehensive update to the Stormwater Management Master Plan (“SMMP”) for the City of St. Petersburg in accordance with City, Southwest Florida Water Management District (“SWFWMD”) and Federal Emergency Management Agency (“FEMA”) requirements.*

*The consultant will make recommendations for water quality, flood control, and natural system improvements. In addition, the SMMP shall consider sea level rise, where appropriate, as part of the City’s resilience planning efforts. The City’s current master plan was written in 1994 and requires updating due several factors. Many of the recommended projects from the current plan have been implemented, technology has improved providing more accurate and detailed models and better digital topographic data exists. Additionally, a resiliency component will be studied through the use of current sea level rise predictions and models.*

On August 3, 2017, City Council approved the Architect/Engineer Agreement (“A/E”) for Phase I of the SMMP update in the amount of \$265,579.19 (agreement executed September 1, 2017). In Phase I, the consultant focused on the Lake Maggiore watershed (Basin C) due to prolonged flooding experienced along Dr. Martin Luther King, Jr Street and throughout the neighborhood on the north side of the lake during August 2016. Due to the anticipated length of the full SMMP update, Basin C studies were expedited including development of best management plans to address the flooding. The consultant developed data that can be used in the SMMP update but will provide recommendations for improvements within 160 days of the notice to proceed. In addition to the Basin C focus, the consultant has developed the scope of the full SMMP with the city and the SWFWMD.

On February 1, 2018, City Council approved the First Amendment to the Agreement in the amount of \$2,726,686.67 for the A/E to provide professional engineering services for Phase II - Stormwater Management Master Plan Update which included watershed evaluation, watershed management plan, and watershed management plan alternative analysis.

On May 29, 2018, Administration approved the Second Amendment to the Agreement to provide additional professional services in the amount of \$23,208.75 (from the previously approved Allowance) to revise Task 10, Best Management Practices Analysis in Phase I.

On December 11, 2018, Administration approved the Third Amendment to the Agreement to provide additional professional services in the amount of \$27,091.68 (from the previously approved Allowance) to conduct a water and sediment sample collection and lake bathymetry for Crescent Lake.

On May 16, 2019, Administration approved the Fourth Amendment to the Agreement to provide additional professional services in the amount of \$41,952.44 (from the previously approved Allowance) for accreditation technical support and Standard Operating Procedure (SOP) standardization for Stormwater Best Management Practices for the American Public Works Association (APWA).

On September 9, 2019, Administration approved the Fifth Amendment to the Agreement to provide additional professional services in the amount of \$325,825.70 (from the previously approved Allowance) to identify survey locations, survey planning and coordination with the sub-consultant.

On September 11, 2020, Administration approved the Sixth Amendment to the A/E Agreement to provide additional professional services in the amount of \$105,054.70 (from the previously approved Allowance) for Public Notification of Watershed Work, Watershed Management Plan (Basin C), and Watershed Management Plan Alternatives Analysis.

The Seventh Amendment to the Agreement in the amount of \$599,772.39 will provide for the change in modeling software from Environmental Protection Agency (EPA) Stormwater Management Model (SWMM) 5.1 (the previous industry standard) to Interconnected Pond Routing version 4 (ICPR4) Model (the new industry standard). This includes revisions to the scope to support this model change.

This project was developed and will be performed in accordance with SWFWMD guidelines. SWFWMD under a separate Agreement will participate in cooperative funding for this Project for a not to exceed amount of \$900,000.

The A/E Agreement and Amendment Nos. 1 through 7 include the following phases and associated lump sum fees and costs:

	Approved	Authorized
Phase I – Scoping and Preliminary Analysis of select Basins	\$ 265,579.19	\$ 232,025.46
First Amendment	\$ 2,726,686.67	\$ 2,186,965.93
Second Amendment (Allowance)		\$ 23,208.75
Third Amendment (Allowance)		\$ 27,091.68
Fourth Amendment (Allowance)		\$ 41,952.44
Fifth Amendment (Allowance)		\$ 325,825.70
Sixth Amendment (Allowance)		\$ 105,054.70
Seventh Amendment	\$599,772.39	(New)
<b>Total</b>	<b>\$ 3,592,038.25</b>	<b>\$ 2,942,124.66</b>

**RECOMMENDATION:** Administration recommends City Council adopt the attached resolution approving the Seventh Amendment to the architect/engineering agreement dated September 1, 2017, as amended, between the City of St. Petersburg, Florida and CH2M Hill Engineers, Inc. (“A/E”) for A/E to provide additional services related to the development of model databases due to a change in modeling software from Environmental Protection Agency (EPA) Stormwater Management Model (SWMM) 5.1 to Interconnected Pond Routing Version 4 (ICPR4) Model for Phase II of the Stormwater Management Master Plan Update Project in an amount not to exceed \$599,772.39, providing that the total contract amount shall not exceed \$3,592,038.25; authorizing the mayor or his designee to execute the Seventh Amendment; approving a rescission of an unencumbered appropriation in the Stormwater Drainage Capital Projects Fund (4013) in the amount of \$599,773 from the 1st Ave N at 58th St SDI FY 2021 Project (17984); approving a supplemental appropriation in the amount of \$599,773 from the increase in the unappropriated balance of the Stormwater Drainage Capital Projects Fund (4013), resulting from the above rescission, to the Master Plan Update Stormwater FY17 Project (15775) to provide funding for this Amendment; and providing an effective date. (ECID Project No. 17037-110; Oracle Project No. 15775)

**COST/FUNDING/ASSESSMENT INFORMATION:** Funds will be available after the approval of a rescission of an unencumbered appropriation in the Stormwater Drainage Capital Projects Fund (4013) in the amount of \$599,773 from the 1st Ave N at 58th St SDI FY 2021 Project (17984) and a supplemental appropriation in the amount of \$599,773 from the increase in the unappropriated balance of the Stormwater Drainage Capital Projects Fund (4013), resulting from the above rescission, to the Master Plan Update Stormwater FY17 Project (15775).

**ATTACHMENTS:** Appendices  
Resolution

RESOLUTION NO. 2023-\_\_\_\_\_

A RESOLUTION APPROVING THE SEVENTH AMENDMENT TO THE ARCHITECT/ENGINEERING AGREEMENT DATED SEPTEMBER 1, 2017, AS AMENDED, BETWEEN THE CITY OF ST. PETERSBURG, FLORIDA AND CH2M HILL ENGINEERS, INC. (“A/E”) FOR A/E TO PROVIDE ADDITIONAL SERVICES RELATED TO THE DEVELOPMENT OF MODEL DATABASES DUE TO A CHANGE IN MODELING SOFTWARE FROM ENVIRONMENTAL PROTECTION AGENCY (EPA) STORMWATER MANAGEMENT MODEL (SWMM) 5.1 TO INTERCONNECTED POND ROUTING VERSION 4 (ICPR4) MODEL FOR PHASE II OF THE STORMWATER MANAGEMENT MASTER PLAN UPDATE PROJECT IN AN AMOUNT NOT TO EXCEED \$599,772.39; PROVIDING THAT THE TOTAL CONTRACT AMOUNT SHALL NOT EXCEED \$3,592,038.25; AUTHORIZING THE MAYOR OR HIS DESIGNEE TO EXECUTE THE SEVENTH AMENDMENT; APPROVING A RESCISSION OF AN UNENCUMBERED APPROPRIATION IN THE STORMWATER DRAINAGE CAPITAL PROJECTS FUND (4013) IN THE AMOUNT OF \$599,773 FROM THE 1ST AVE N AT 58TH ST SDI FY 2021 PROJECT (17984); APPROVING A SUPPLEMENTAL APPROPRIATION IN THE AMOUNT OF \$599,773 FROM THE INCREASE IN THE UNAPPROPRIATED BALANCE OF THE STORMWATER DRAINAGE CAPITAL PROJECTS FUND (4013), RESULTING FROM THE ABOVE RESCISSION, TO THE MASTER PLAN UPDATE STORMWATER FY17 PROJECT (15775) TO PROVIDE FUNDING FOR THIS AMENDMENT; AND PROVIDING AN EFFECTIVE DATE. (ECID PROJECT NO. 17037-110; ORACLE PROJECT NO. 15775)

WHEREAS, on September 1, 2017, the City of St. Petersburg, Florida and CH2M Hill Engineers, Inc. (“A/E”) executed an architect/engineering agreement for A/E to provide professional engineering services for Phase I Services related to the Stormwater Management Master Plan Update Project (“Project”) in the amount of \$265,579.19; and

WHEREAS, on February 1, 2018, City Council approved the First Amendment for A/E to provide watershed evaluation, watershed management plan, and watershed management plan

alternative analysis related to Phase 2 of the Project in an amount not to exceed \$2,726,686.67; and

WHEREAS, on May 29, 2018, Administration approved the Second Amendment for A/E to revise Task 10, Best Management Practices Analysis in Phase I of the Project in an amount not to exceed \$23,208.75 (from the previously approved allowance); and

WHEREAS, on December 11, 2018, Administration approved the Third Amendment for A/E to conduct a water and sediment sample collection and lake bathymetry for Crescent Lake for the Project in an amount not to exceed \$27,091.68 (from the previously approved allowance); and

WHEREAS, on May 16, 2019, Administration approved the Fourth Amendment for A/E to provide accreditation technical support and Standard Operating Procedure (SOP) standardization from the American Public Works Association (APWA) related to the Project in an amount not to exceed \$41,952.44 (from the previously approved allowance); and

WHEREAS, on September 9, 2019, Administration approved the Fifth Amendment for A/E to identify survey locations, survey planning and coordination with the sub-consultant for the Project in an amount not to exceed \$325,825.70 (from the previously approved allowance); and

WHEREAS, on September 11, 2020, Administration approved the Sixth Amendment for A/E to provide Public Notification of Watershed Work, Watershed Management Plan (Basin C), and Watershed Management Plan Alternatives Analysis for the Project in an amount not to exceed \$105,054.70 (from the previously approved allowance); and

WHEREAS, Administration desires to execute a Seventh Amendment for A/E to provide additional services related to the development of model databases due to a change in modeling software from Environmental Protection Agency (EPA) Stormwater Management Model (SWMM) 5.1 to Interconnected Pond Routing Version 4 (ICPR4) Model for Phase II of the Stormwater Management Master Plan Update Project in an amount not to exceed \$599,772.39; and

WHEREAS, funding for the Seventh Amendment will be available after approval of (i) a rescission of an unencumbered appropriation in the Stormwater Drainage Capital Projects Fund (4013) in the amount of \$599,773 from the 1st Ave N at 58th St SDI FY 2021 Project (17984) and (ii) a supplemental appropriation in the amount of \$599,773 from the increase in the unappropriated balance of the Stormwater Drainage Capital Projects Fund (4013), resulting from the above rescission, to the Master Plan Update Stormwater FY17 Project (15775).

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of St. Petersburg, Florida, that a Seventh Amendment to the architect/engineering agreement dated September 1, 2017, as amended, between the City of St. Petersburg, Florida and CH2M Hill

Engineers, Inc. (“A/E”) for A/E to provide additional services related to the development of model databases due to a change in modeling software from Environmental Protection Agency (EPA) Stormwater Management Model (SWMM) 5.1 to Interconnected Pond Routing Version 4 (ICPR4) Model for Phase II of the Stormwater Management Master Plan Update Project in an amount not to exceed \$599,772.39 is hereby approved.

BE IT FURTHER RESOLVED that the total contract amount shall not exceed \$2,726,686.67.

BE IT FURTHER RESOLVED that the Mayor or his designee is authorized to execute the Seventh Amendment.

BE IT FURTHER RESOLVED that an unencumbered appropriation in the Stormwater Drainage Capital Projects Fund (4013) in the amount of \$599,773 from the 1st Ave N at 58th St SDI FY 2021 Project (17984) is hereby rescinded.

BE IT FURTHER RESOLVED that there is hereby approved from the increase in the unappropriated balance in the Stormwater Drainage Capital Projects Fund (4013), resulting from the above rescission, the following supplemental appropriation from FY23:

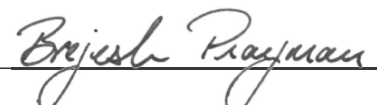
<u>Stormwater Drainage Capital Projects Fund (4013)</u>	
Master Plan Update Stormwater FY17 Project (15775)	\$599,773

This resolution shall become effective immediately upon its adoption.

LEGAL:

  
00675825

DEPARTMENT:



BUDGET:

