

CHECK LIST FOR ALDERMANIC SUBMISSIONS

X	Cover Letter
X	Resolutions/ Orders/ Ordinances
X	Prior Notification Form
X	Fiscal Impact Statement - Should include comprehensive budget
X	Supporting Documentation
X	Disk or E-mailed Cover letter & Order

IN ADDITION IF A GRANT:

	Notice of Intent
	Grant Summary
	Executive Summary (not longer than 5 pages without an explanation)

Date Submitted: October 23, 2014

Meeting Submitted For: November 6, 2014

Regular or Suspension Agenda: Regular

Submitted By: Giovanni Zinn, City Engineer

Title of Legislation: Resolution authorizing the Mayor to sign agreements and any subsequent amendments with Diversified Technology Consultants to Continue to Review Shop Drawings & Construction Administration/Construction Support Services for the Replacement of the State Street Bridge over Mill River – Bridge No. 03748, not to exceed \$700,000.

Comments: This matter was previously adopted by the Board of Alders in April 2010; however the resolution authorized a spending cap of \$200,000 for this service. Several unforeseen conditions arose during the Construction of said bridge that resulted in several redesigns, the Engineering Department is seeking Board approval to exceed the original spending cap.

Coordinator's Signature: _____

Controller's Signature (if grant): _____

Mayor's Office Signature: _____

Call 946-7670 with any questions.

November 6, 2014

The Honorable Jorge Perez, President
New Haven Board of Aldermen
165 Church Street
New Haven, CT 06510

Re: Authorization for the Mayor to Sign Agreements and Any Subsequent Amendments with Diversified Technology Consultants (DTC) to Continue to Review Shop Drawings & Construction Administration/Construction Support Services for the Replacement of the State Street Bridge over Mill River – Bridge No. 03748

Dear President Perez:

This matter was previously adopted by the Board of Alders on April 19, 2010; however the resolution authorized a spending cap of \$200,000 for Diversified Technology Consultants (DTC) to perform said review of shop drawings and construction administration/construction support services.

Since the \$200,000 design fees cap was authorized in April 2010, the project has required more design revisions than anticipated due to additional unforeseen circumstances resulting in further delays to construction, which were funded by subsequent On Call Agreements with DTC, including:

1. Excessive contaminated groundwater on the west side of the bridge
2. Settlement of adjacent existing structures
3. Redesign of footings to reduce groundwater intrusion into cofferdam
4. Redesign of footings to prevent settlement of existing adjacent structures
5. Redesign of abutments to accommodate increase beam camber due to project delays

Brief synopsis of construction to date:

- Utilities have been temporarily relocated
- A new 42-inch water main has been installed to replace the existing water main due to its proximity to construction
- Environmental controls have been implemented
- A gross particle separator has been installed
- Drainage facilities have been installed
- East and west cofferdams have been installed and excavated

- Crushed stone has been placed in cofferdam to facilitate footing construction
- All piles and the concrete footing have been installed in west cofferdam
- West abutment has been partially constructed
- All micropiles have been installed in east cofferdam

Brief synopsis of construction yet to be done:

- In the east cofferdam
 - Remove crushed stone
 - Cut-off micropiles and install concrete footing
- Construct east abutment and wingwalls
- Construct remaining portion of west abutment and wingwalls
- Cut-off sheet piling, install riprap and backfill abutments
- Install pavement and guide rail
- Open bridge to traffic

The anticipated shop drawing review and construction administration/construction support services fee for this type of project is typically 10% (ten percent) of the Construction costs. The contractor has earned to date \$24,144,170.02. Currently the City has paid DTC \$515,081.00, an amount well below the 10% threshold.

In a workshop with the City Services Environmental Policy Committee of the Board of Alders on October 14, 2014, the Chairman recommended, based on the information provided hereto, that an aggregate amount not to exceed \$700,000 was suitable for Diversified Technology Consultants (DTC) to continue to provide shop drawings & construction administration/construction support services for the replacement of the State Street Bridge over Mill River inclusive of the \$515,081.00 already compensated.

Sincerely,

Giovanni Zinn, P.E.
City Engineer

mf

enclosure: (1) BOA Package w/Resolution dated 04/19/10

c: Michael Carter, CAO

Gholamali J. Moslehi, Engineering Department
File/Chronos

RESOLUTION AUTHORIZING THE MAYOR TO SIGN AGREEMENTS AND ANY SUBSEQUENT AMENDMENTS WITH DIVERSIFIED TECHNOLOGY CONSULTANTS (DTC) TO CONTINUE TO REVIEW SHOP DRAWINGS & CONSTRUCTION ADMINISTRATION/CONSTRUCTION SUPPORT SERVICES FOR THE REPLACEMENT OF THE STATE STREET BRIDGE OVER THE MILL RIVER, BRIDGE NO. 03748

Whereas, The construction of the State Street Bridge began in June 2009; and

Whereas, Said construction include the demolition of the existing bridge, replacement of the bridge, new drainage and reconstruction of the approaches to the bridge; and,

Whereas, The funds for the construction and inspection of the bridge are being funded by utilizing 80% federal and 20% State funds under the Surface Transportation Program; and,

Whereas, The City of New Haven is responsible to provide design services during construction; and,

Whereas: The State requires the designer of the bridge, Diversified Technology Consultants (DTC), to review Shop Drawings Construction Administration/Construction Support Services for the replacement of the State Street Bridge over the Mill River, and any design modifications as a result of unforeseen field conditions resulting in further delays to construction including:

- Excessive contaminated groundwater on the west side of the bridge
- Settlement of adjacent existing structures
- Redesign of footings to reduce groundwater intrusion into cofferdam
- Redesign of footings to prevent settlement of existing adjacent structures
- Redesign of abutments to accommodate increase beam camber due to project delays, and,

Whereas: The cost of these services by DTC has exceeded the original estimated professional services contract for Administrative and Support in excess of \$515,081.00 and,

Whereas: The Engineering Department estimates that the remaining effort to be completed by DTC will not exceed \$700,000.00 (seven hundred thousand dollars),

NOW, THEREFORE BE IT ORDERED, that the Mayor be authorized to sign Agreements and any subsequent amendments thereto with Diversified Technology Consultants (DTC) to continue to review shop drawings and construction administration/Construction support services for the replacement of the State Street Bridge over the Mill River in an aggregate amount no greater than \$700,000.00 seven hundred thousand dollars

PRIOR NOTIFICATION FORM

NOTICE OF MATTER TO BE SUBMITTED TO THE BOARD OF ALDERMEN

TO (list applicable aldermen/women): ALL

DATE: **November 6, 2014**

FROM: Department Engineering
Person Giovanni Zinn, P.E. Telephone 946-8105

This is to inform you that the following matter affecting your ward(s) will be submitted to the Board of Aldermen.

Authorization for the Mayor to Sign Agreements and Any Subsequent Amendments with Diversified Technology Consultants (DTC) to Continue to Review Shop Drawings & Construction Administration/Construction Support Services for the Replacement of the State Street Bridge over Mill River – Bridge No. 03748

Check one if this an appointment to a commission

Democrat

Republican

Unaffiliated/Independent/Other

INSTRUCTIONS TO DEPARTMENTS

1. Departments are responsible for sending this form to the alderperson(s) affected by the item.
2. This form must be sent (or delivered) directly to the alderperson(s) **before** it is submitted to the Legislative Services Office for the Board of Aldermen agenda.
3. The date entry must be completed with the date this form was sent the alderperson(s).
4. Copies to: alderperson(s); sponsoring department; attached to submission to Board of Aldermen.

FISCAL IMPACT STATEMENT

DATE: November 6, 2014
FROM (Dept.): Engineering Department
CONTACT: Giovanni Zinn, City Engineer **PHONE** 946-8105

SUBMISSION ITEM (Title of Legislation):

Authorization for the Mayor to Sign Agreements and Any Subsequent Amendments with Diversified Technology Consultants (DTC) to Continue to Review Shop Drawings & Construction Administration/Construction Support Services for the Replacement of the State Street Bridge over Mill River – Bridge No. 03748

List Cost: Describe in as much detail as possible both personnel and non-personnel costs; general, capital or special funds; and source of funds currently budgeted for this purpose.

	<u>GENERAL</u>	<u>SPECIAL</u>	<u>BOND</u>	<u>CAPITAL/LINE ITEM/DEPT/ACT/OBJ CODE</u>
A. Personnel				
1. Initial start up				
2. One-time				
3. Annual				
B. Non-personnel				
1. Initial start up				
2. One-time			\$184,919	3C151534-58116
3. Annual				

List Revenues: Will this item result in any revenues for the City? If Yes, please list amount and type.

NO	<input checked="" type="checkbox"/>
YES	<input type="checkbox"/>

- 1. One-time
- 2. Annual

Other Comments: