

The Basis of Design Report will be submitted to the City for review. A review meeting will be held with City personnel to obtain their comments. The report will be finalized reflecting comments received. Following the finalization of the Basis of Design Report an updated cost opinion for the new Standby Generators will be developed.

Task S57 – 60% Design - Flood Related

Task S61 – 60% Design – Non Flood Related

Based on the approved Basis of Design Report, preliminary contract drawings and specifications will be prepared representing 60% completion, under this task. In general the 60% design for the work includes the following:

- Design drawings for electrical, instrumentation, structural, and civil.
- Draft specifications for all applicable divisions.
- Draft Construction Schedule
- Updated Project Construction Cost Opinion

60% contract documents (drawings and specifications) will be submitted to the City for review.

A review meeting will be held with City personnel to summarize the submittal and receive comments. The 60% contract documents will be modified reflecting comments received.

Task S58 - 100% Design - Flood Related

Task S62 - 100% Design - Non Flood Related

This task advances the 60% documents to the 100% submittal needed for a complete bid package and regulatory approval. This task also includes assistance in obtaining any permits required for construction and coordination with local agencies and utilities. In general the 100% design for the work includes the following:

- Design drawings for electrical, instrumentation, structural, and civil.
- Draft specifications for all applicable divisions.
- Draft Construction Schedule
- Updated Project Construction Cost Opinion

100% contract documents (drawings and specifications) will be submitted to the City for review. A review meeting will be held with City personnel to obtain their comments. The 100% contract documents will be finalized reflecting comments received.

Task S59 – Not Used

Task S63 – Not Used

C. SCUM REMOVAL SYSTEM:

Task S64 – 30% Design - Non Flood Related

This task reflects 30% or schematic design of a new Primary Scum Removal System. The 30% design shall include drawings and key specifications that represent the major Non Flood Related elements of the Project. It will include a Basis of Design Report which will outline design

criteria, equipment selection and sizing, process schematics and other key design parameters. It will include the following sections:

- Process Mechanical
- Structural
- Electrical
- Instrumentation & Control
- Architectural
- Civil/Site

The Basis of Design Report will be submitted to the City for review. A review meeting will be held with City personnel to obtain their comments. The report will be finalized reflecting comments received. Following the finalization of the Basis of Design Report an updated cost opinion of the Facility will be developed.

Task S65 – 60% Design - Non Flood Related

Based on the approved Basis of Design Report, preliminary contract drawings and specifications will be prepared representing 60% completion, under this task. In general the 60% design for Non Flood Related work includes the following:

- Design drawings for instrumentation, process mechanical, structural, electrical, architectural, HVAC, and plumbing.
- Draft specifications for all applicable divisions.
- Draft Construction Schedule
- Updated Project Construction Cost Opinion

60% contract documents (drawings and specifications) will be submitted to the City for review. A review meeting will be held with City personnel to summarize the submittal and receive comments. The 60% contract documents will be modified reflecting comments received.

Task S66 - 100% Design - Non Flood Related

This task advances the 60% documents to the 100% submittal needed for a complete bid package and regulatory approval. This task also includes assistance in obtaining any permits required for construction and coordination with local agencies and utilities. In general the 100% design for Non Flood Related work includes the following:

- Design drawings for instrumentation, process mechanical, structural and electrical.
- Draft specifications for all applicable divisions.
- Draft Construction Schedule
- Updated Project Construction Cost Opinion

100% contract documents (drawings and specifications) will be submitted to the City for review. A review meeting will be held with City personnel to obtain their comments. The 100% contract documents will be finalized reflecting comments received.

Task S67 – Not Used

D. ADVANCE DEMOLITION:

Task S68 – BAF Advance Demolition – Construction Administration

Savin will provide full time construction administration services associated with the BAF Complex Advance Demolition work at the BJCJSTP. It is anticipated that construction work will

take approximately 9 months. Savin will review all shop drawings, respond to RFIs, conduct progress meetings, review payment requisitions, prepare daily field reports and monitor construction for compliance with the contract plans and specifications. Savin will keep the City apprised throughout the construction period, and assist in final project close-out.

E. ADDITIONAL TESTING:

Task S69 – Additional Destructive/Non Destructive Testing

While some Destructive and Non-destructive testing has been done on the project to date. Additional destructive and Non-destructive testing is required in order to get a more complete representation of the size, location and configuration of existing reinforcing steel in key structural components. This task will determine representative conditions for those existing structural concrete components slated to remain in the final Project. It will utilize both destructive (e.g. chipping of existing concrete to expose reinforcing steel) and non-destructive (pachometry or similar) methods to confirm as built conditions. A final summary report will be prepared.

F. ADDITIONAL REGULATORY ASSISTANCE:

Task S70 – Additional Regulatory Assistance

Savin will provide technical advisory and negotiation assistance to the City in its dealings with the regulatory agencies, particularly the New York State Department of Environmental Conservation (NYSDEC), the New York State Environmental Facilities Corporation (NYSEFC) and the local Broome County Department of Health (BCDOH).

Assistance could include the following negotiation tasks:

- Consent Order Terms
- Compliance delay
- Reduced SPDES Permit limits during construction
- Negotiation of past and ongoing permit violations
- Negotiation of New and Interim Permit limits
- Start Up and testing period

ESTIMATED ENGINEERING COSTS

The total estimated cost for the scope of work outlined above is \$3,491,982.00.

The manpower associated with the scope of work outlined above is shown in Attachment 1.

The total estimated cost is broken down by task in Attachment 2.

City of Binghamton
 Binghamton - Johnson City Joint Sewage Treatment Plant
 Repair Of C-Cells
 Supplemental No. 4

Savin Engineers, P.C.
Costs - Design Related Services

Task	Project Director	Project Manager	Senior/Resident Engineer	Engineer	CADD	Technical Word Processor	TOTAL
S52 DAF Facility 30% Design - Non Flood Related	\$ 57,400	\$ 103,040	\$ 178,800	\$ 162,360	\$ 255,310	\$ 7,920	\$ 764,830
S53 DAF Facility 60% Design - Non Flood Related	\$ 41,000	\$ 80,960	\$ 140,060	\$ 132,000	\$ 231,110	\$ 7,040	\$ 632,170
S54 DAF Facility 100% Design - Non Flood Related	\$ 57,400	\$ 103,040	\$ 178,800	\$ 162,360	\$ 255,310	\$ 7,920	\$ 764,830
S55 Not Used	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
S56 Standby Generators 30% Design - Flood Related	\$ 10,250	\$ 20,240	\$ 23,840	\$ 6,600	\$ 38,720	\$ 1,408	\$ 101,058
S57 Standby Generators 60% Design - Flood Related	\$ 8,200	\$ 14,720	\$ 16,390	\$ 5,280	\$ 31,460	\$ 1,408	\$ 77,458
S58 Standby Generators 100% Design - Flood Related	\$ 10,250	\$ 20,240	\$ 23,840	\$ 6,600	\$ 38,720	\$ 1,408	\$ 101,058
S59 Not Used	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
S60 Standby Generators 30% Design - Non Flood Related	\$ 10,250	\$ 20,240	\$ 23,840	\$ 6,600	\$ 38,720	\$ 1,408	\$ 101,058
S61 Standby Generators 60% Design - Non Flood Related	\$ 8,200	\$ 14,720	\$ 16,390	\$ 5,280	\$ 31,460	\$ 1,408	\$ 77,458
S62 Standby Generators 100% Design - Non Flood Related	\$ 10,250	\$ 20,240	\$ 23,840	\$ 6,600	\$ 38,720	\$ 1,408	\$ 101,058
S63 Not Used	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
S64 Scum Collectors 30% Design - Non Flood Related	\$ 10,250	\$ 14,720	\$ 16,390	\$ 17,600	\$ 38,720	\$ 1,760	\$ 99,440
S65 Scum Collectors 60% Design - Non Flood Related	\$ 8,200	\$ 7,360	\$ 11,920	\$ 13,200	\$ 32,670	\$ 1,408	\$ 74,758
S66 Scum Collectors 100% Design - Non Flood Related	\$ 10,250	\$ 14,720	\$ 16,390	\$ 17,600	\$ 38,720	\$ 1,760	\$ 99,440
S67 Not Used	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
S68 BAF Complex - Advance Demolition Construction Management	\$ 8,200	\$ 14,720	\$ 186,250	\$ 104,500	\$ 4,840	\$ 3,520	\$ 322,030
S69 Additional Destructive/Non Destructive Testing	\$ 4,920	\$ 7,360	\$ 23,840	\$ 8,800	\$ -	\$ 1,408	\$ 46,328
S70 Additional Regulatory Assistance	\$ 6,560	\$ 14,720	\$ 11,920	\$ 4,400	\$ -	\$ 1,408	\$ 39,008
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Labor (direct & indirect and fee)	\$ 261,580	\$ 471,040	\$ 892,510	\$ 659,780	\$ 1,074,480	\$ 42,592	\$ 3,401,982

Direct Costs:

A. Destructive/Non Destructive Testing Agency-Conc.	\$ 50,000
B. Destructive/Non Destructive Testing Agency-Piping	\$ 40,000
C.	\$ -

Subtotal: \$ 90,000

Total Costs: \$ 3,491,982



Legislative Branch

RL Number:

13-132

Date Submitted:

8/1/13

City Clerk, City Hall, Binghamton, NY 13901 607-772-7005

REQUEST FOR LEGISLATION

Requests for Legislation (RLs) may be submitted to the City Clerk's Office for consideration at City Council Work Sessions. RLs generated from within City Hall departments must be submitted to the Mayor, Comptroller and Corporation Counsel for review before submission. RLs generated by citizens may be submitted directly to the City Clerk's Office.

Applicant Information

Request submitted by: Mr. Dana Brown - Executive Director
Title/Department: Community Housing Coalition, Inc. - Non-Profit Housing Agency since 1993
Contact Information: Phone : 607-624-7365 Email : director@housingusa.org

RL Information

Proposed Title: _____

Suggested Content: Community Housing Coalition, Inc. is buying 166 Court Street and looking to renovate the 4 units into affordable housing and renovate the two vacate storefronts into commercial businesses on the Court Street entry into Binghamton. Community Housing Coalition, Inc. is applying for Urban Initiatives Program under the NYS Main Street Program in Early August 2013.

Additional Information

Does this RL concern grant funding? Yes No
If 'Yes', is the required RL Grant Worksheet attached? Yes No
Is additional information related to the RL attached? Yes No
Is RL related to previously adopted legislation? Yes No

If 'Yes', please provide Permanent Ordinance/Resolution/Local Law number(s): _____

OFFICE USE ONLY

Mayor: _____
Comptroller: _____
Corporation Counsel: _____
Finance Planning MPA PW/Parks Employees Rules/Special Studies