

**UNIVERSITY OF CONNECTICUT**  
CAPITAL PROJECTS AND CONTRACT ADMINISTRATION

**SUBMISSION CLARIFICATION #2**

**June 17, 2009**

**DUE DATE:** Monday, June 29, 2009 (Updated)  
**TIME:** 2:00 p.m.  
**PROJECT:** Request for Technical Proposal: Civil Engineering Services- Inflow and Infiltration Studies- Storm and Sanitary Sewer Systems  
**PROJECT NO:** 901419 (Sanitary)/ 901420 (Storm)  
**LOCATION:** University of Connecticut  
Office of Capital Projects & Contract Administration  
31 LeDoyt Road Unit 3047  
Storrs, CT 06269-3047  
Attn: Mike Franklin

**Please note the following:**

Please see responses to all written requests for clarification (received prior to the deadline) below. The responses are posted on the University Office of Capital Projects and Contract Administration website: <http://www.CPCA.uconn.edu> as well as the DAS website at [http://www.das.state.ct.us/Purchase/Portal/Portal\\_Home.asp](http://www.das.state.ct.us/Purchase/Portal/Portal_Home.asp)

The Submission Due Date has been extended to **Monday, June 29, 2009 at 2:00 PM.**

**END OF CLARIFICATION**

**RFI QUESTIONS AND ANSWERS - Inflow and Infiltration Studies- Storm and Sanitary Sewer Systems 901419-901420**

RFI No.	Company Name	Date Submitted	Question	Response Req'd From	Response
1	Hazen and Sawyer	Received by 5/20/09	Statement: You will probably find differences in approach related to your indication that your goal is the determination of Infiltration/Inflow and not necessarily the identification of structural or operational defects	UCONN Staff Members	Correction: We <i>do</i> want to determine operational defects
2	Wright-Price	Received by 5/20/09	Have prevailing wages been published for this project (Davis Bacon Wages)?	UCONN Staff Members	This is not a prevailing wage job
3	Wright-Price	Received by 5/20/09	What percentage of pipe will need to be visible in CCTV inspection before a by-pass is required?	UCONN Staff Members	We are looking for recommendations from the potential firm
4	Wright-Price	Received by 5/20/09	Are CCTV operations required to be in PACP coding?	UCONN Staff Members	Yes
5	Wright-Price	Received by 5/20/09	Will there be any need to clean storm sewers prior to TV inspections?	UCONN Staff Members	We assume so. We are looking for input from the potential firm.
6	Wright-Price	Received by 5/20/09	Is there a need to quantify overall infiltration and inflow rates using flow meters and/or flow isolation prior to TV inspections?	UCONN Staff Members	We are looking for input from the potential firm.
7	Wright-Price	Received by 5/20/09	Will there be any need for smoke testing to locate or confirm inflow sources?	UCONN Staff Members	Not at this stage
8	Wright-Price	Received by 5/20/09	Is there a need for manhole inspections to determine condition?	UCONN Staff Members	Yes
9	Wright-Price	Received by 5/20/09	Is there a need for dye testing and/or building inspections to confirm possible inflow sources such as sump pumps and roof drains?	UCONN Staff Members	Not at this stage
10	Wright-Price	Received by 5/20/09	Can you identify which sewer lines will require a hydraulic capacity analysis?	UCONN Staff Members	1) Rte. 195 from post office to Gurleyville lift stations 2) Force main from Gurleyville to WPCF
11	Wright-Price	Received by 5/20/09	What is the accuracy of existing topographical survey information to be used to develop hydraulic analysis?	UCONN Staff Members	2' contours
12	Wright-Price	Received by 5/20/09	Is there a desire for GPS location of all sanitary sewer and storm sewer structures?	UCONN Staff Members	Yes
13	Wright-Price	Received by 5/20/09	What accuracy of sanitary sewer and storm sewer mapping is desired?	UCONN Staff Members	Mapping quality GPS
14	Wright-Price	Received by 5/20/09	Is there a need to determine infiltration flows into storm sewer or just to identify deficiencies?	UCONN Staff Members	Identify deficiencies
15	Wright-Price	Received by 5/20/09	Are there run times and pump curve information for each of the 33 pump stations?	UCONN Staff Members	Yes
16	Wright-Price	Received by 5/20/09	What is the current range of flows to the treatment plant?	UCONN Staff Members	0.5 Million Gallons per day (MGD) at a low flow no rain students not here night time. 1.5 MGD normal flow students here day time. Rain events. Range from 1.5 to as high as 6.0 MGD depending on how many inches of rain we get. Due to I&I
17	Wright-Price	Received by 5/20/09	Will it be necessary to locate paved over manholes to show on updated mapping? Can you indicate which manholes are paved over?	UCONN Staff Members	Yes No
18	Wright-Price	Received by 5/20/09	Who will be responsible to remove pavement from paved over manholes if needed for TV camera access? Also, who would be responsible for paving repair after access?	UCONN Staff Members	UCONN/UCONN

**RFI QUESTIONS AND ANSWERS - Inflow and Infiltration Studies- Storm and Sanitary Sewer Systems 901419-901420**

RFI No.	Company Name	Date Submitted	Question	Response Req'd From	Response
19	Wright-Price	Received by 5/20/09	Is the sign in sheet from each pre-proposal meeting available?	UCONN Staff Members	Please see <a href="http://www.cpcu.uconn.edu/profserv/profserv_currentops.html">http://www.cpcu.uconn.edu/profserv/profserv_currentops.html</a> Request for Technical Proposal: Civil Engineering Services- Inflow and Infiltration Studies- Storm and Sanitary Sewer Systems > Bid Clarification #1
20	Purcell Associates	Received by 5/20/09	What horizontal and vertical accuracies are you looking for? What is the project datums? (We intend to use NAD '83 and NAVD '88)	UCONN Staff Members	GPS mapping quality - tape measure verticals from TF.
21	Purcell Associates	Received by 5/20/09	Are pipes to be shown on the GIS? If so, are pipe attributes to be linked with the corresponding pipe or are all attributes to be linked to the structures?	UCONN Staff Members	Yes, pipe (pipe to structure also). Structures will need to be identified by number.
22	URS Corporation	Received by 5/20/09	Are there available footages by size for the sanitary and storm liner to be CCTV'd?	UCONN Staff Members	Only as can be taken off the provided DWG files
23	URS Corporation	Received by 5/20/09	Are the sanitary and storm sewers accessible and who is responsible to provide access?	UCONN Staff Members	Unless paved over, access is up to the vendor
24	URS Corporation	Received by 5/20/09	Are the CAD drawings complete so as to provide all the required information to be contained in the GIS file we are to create; such as pipe inverts?	UCONN Staff Members	No. That is why the statement was included in the RFQ. There are known problems with the CAD data. What you see is all we have.
25	URS Corporation	Received by 5/20/09	Where is the infiltration rate to come from for the two systems since no flow metering is to be provided and the CCTV is being performed during the dry season?	UCONN Staff Members	Dry season only? The RFQ asks for the firms to provide methodology and schedule recommendations.
26	URS Corporation	Received by 5/20/09	Where is the sewage flow data and inflow data to come from for the sanitary sewer in order to calculate peak flow rates?	UCONN Staff Members	Flow data can come from pump station data. Inflow, Your firm will have to provide this information.
27	URS Corporation	Received by 5/20/09	No mention is made of modeling in order to be able to determine adequate pipe sizing, what is your intent?	UCONN Staff Members	No modeling
28	URS Corporation	Received by 5/20/09	Is the CCTV requirements to meet PACP standards?	UCONN Staff Members	Yes
29	URS Corporation	Received by 5/20/09	Is only the storm line to undergo cleaning or is the sanitary sewer to also include cleaning? Is there information on the extent of cleaning that will need to be provided? How will the contractor be paid for hazardous material that might be part of the debris to be removed and disposed of?	UCONN Staff Members	Storm & Sanitary Light cleaning Debris will be stockpiled at UCONN, tested by UCONN and disposed by UCONN (this is contrary to the RFQ and supersedes the RFQ.)
30	AECOM	Received by 5/20/09	Will the University change the selection process so that it is based solely on QBS? The University can then negotiate with the highest ranked firm to develop a scope and fee that fits within its budgets	UCONN Staff Members	This is what I recommended and originally intended (P. Puhlick). It will remain as solicited.
31	AECOM	Received by 5/20/09	Under Section I, Scope of Work, the RFP requires that the I/I study include peak capacity. Does this apply to sanitary and storm? Please provide clarification as to whether existing information exists to complete this analysis, or whether the data must be gathered as part of this project, and if so, to what degree of accuracy?	UCONN Staff Members	Peak capacity as calculated by pipe size shall be included; peak flow shall not.

**RFI QUESTIONS AND ANSWERS - Inflow and Infiltration Studies- Storm and Sanitary Sewer Systems 901419-901420**

RFI No.	Company Name	Date Submitted	Question	Response Req'd From	Response
32	AECOM	Received by 5/20/09	What GIS system does UCONN have? What format is required? Please be more specific about what the GIS database should include.	UCONN Staff Members	ArcMap 9.3. No existing format
33	AECOM	Received by 5/20/09	Under Section II, Project Approach, the RFP requires that firms describe their approach to "measurement including peak storm flows" Is the University asking for continuous monitoring of flows? Does this include sanitary and storm flows?	UCONN Staff Members	No During storm rain event for storm and sanitary in lines that CCTV shows problems in
34	BVH Integrated Services, Inc.	Received by 5/20/09	Will both the storm and sanitary projects be awarded as one or split?	UCONN Staff Members	Split
35	BVH Integrated Services, Inc.	Received by 5/20/09	There is minimal storm information shown on the depot campus. Is additional information available?	UCONN Staff Members	Delete Depot
36	BVH Integrated Services, Inc.	Received by 5/20/09	To make the bidding competitive, can UCONN request a lump sum dollar amount on what is shown on the issued drawings and also request unit prices?	UCONN Staff Members	No.
37	BVH Integrated Services, Inc.	Received by 5/20/09	When will the aerial topography/campus mapping be available? Will UCONN be superimposing the aerial topography on the storm and sanitary drawings issued?	UCONN Staff Members	Available now NO
38	BVH Integrated Services, Inc.	Received by 5/20/09	Can UCONN elaborate on the usage and/or restrictions for campus water in regards to the flushing requirements of the proposal?	UCONN Staff Members	Uconn has experienced water restrictions in recent years, however rainfall to date this year has been good and if it keeps up at the same rate hydrants will be allowed to be used; HOWEVER if water restrictions are re-imposed trucked in water will have to be used: provide unit price for trucked in water (pond or potable are OK) in 6500 gallon loads.
39	BVH Integrated Services, Inc.	Received by 5/20/09	Once the piping is flushed, are there any specific UCONN requirements for disposal of the water?	UCONN Staff Members	Down the sewer
40	BVH Integrated Services, Inc.	Received by 5/20/09	Can UCONN elaborate on the pipe sizes that will be part of this proposal?	UCONN Staff Members	≥ 6"
41	BVH Integrated Services, Inc.	Received by 5/20/09	It was mentioned that the budget for the storm project is \$300k and the budget for the sanitary project is also \$300k. Is that construction cost or total cost?	UCONN Staff Members	Total
42	BVH Integrated Services, Inc.	Received by 5/20/09	Verify that invert elevations of piping are to be by measuring tape only from surface.	UCONN Staff Members	Yes-True
43	BVH Integrated Services, Inc.	Received by 5/20/09	Will the aerial topography UCONN is obtaining include the area encompassed by Alternate #2?	UCONN Staff Members	Alt. 2 is now out of the project.
44	BVH Integrated Services, Inc.	Received by 5/20/09	What are the specific parameters that the GIS database are to categorize?	UCONN Staff Members	As requested in the RFQ
45	BVH Integrated Services, Inc.	Received by 5/20/09	Verify UCONN is looking to have GPS Coordinates for all the structures pertaining to storm and sanitary	UCONN Staff Members	Yes
46	BVH Integrated Services, Inc.	Received by 5/20/09	If the answer to the above is yes, does this also include the area encompassed by Alternate #2?	UCONN Staff Members	Alt. 2 is now out of the project.
47	Stearns & Wheeler GHD	Received by 5/20/09	Please confirm sizes at various sanitary & storm sewer lines and lengths of each size so that total scope of work can be developed.	UCONN Staff Members	This can be determined from the map provided
48	Stearns & Wheeler GHD	Received by 5/20/09	Please confirm location of all lift stations & service area served by the lift station	UCONN Staff Members	We will work with the successful proposer to do that.

**RFI QUESTIONS AND ANSWERS - Inflow and Infiltration Studies- Storm and Sanitary Sewer Systems 901419-901420**

RFI No.	Company Name	Date Submitted	Question	Response Req'd From	Response
49	Stearns & Wheler GHD	Received by 5/20/09	Please indicate where water for cleaning operations can be obtained and if solids can be disposed of at WWTP	UCONN Staff Members	Light cleaning is for storm & sanitary. Solids go to WPCF laydown area and will be tested and disposed of by UCONN. Contractor shall contain, under and above, with 6 mil. plastic & maintain tightness until projects end or disposal by UCONN - Whichever comes first.
50	Stearns & Wheler GHD	Received by 5/20/09	Please clarify scope of field work to be performed for I/I analysis (i.e. amount of metering, smoke testing, dye testing, manhole inspections, etc.) so that consistent price can be developed among firms.	UCONN Staff Members	This will be your firm's responsibility as part of the QBS process.
51	Stearns & Wheler GHD	Received by 5/20/09	Field survey work is needed to determine existing pipe slopes & capacities. Please confirm that this will be added to the scope of services.	UCONN Staff Members	No
52	Stearns & Wheler GHD	Received by 5/20/09	What is the proposed time frame for the completion of this project?	UCONN Staff Members	It will be your firm's responsibility to provide this information
53	Stearns & Wheler GHD	Received by 5/20/09	How should traffic control costs be addressed?	UCONN Staff Members	Line item
54	Stearns & Wheler GHD	Received by 5/20/09	Please supply flow information available within the system so that bypass pumping requirements can be determined	UCONN Staff Members	Line item
55	Stearns & Wheler GHD	Received by 5/20/09	What GLS platform does the University want data delivered in? Does the University have any other GLS base data (roads, buildings) that may be used as reference?	UCONN Staff Members	Area Map 9.3 We have roads & building shapes, photo and 2' contours for your use.
56	Stearns & Wheler GHD	Received by 5/20/09	Are the ACAD files considered accurate with respect to location or is GPS verification/mapping required?	UCONN Staff Members	GPS required - as noted in RFQ
57	Stearns & Wheler GHD	Received by 5/20/09	Are the deliverables expected to be data/databases & reports, or is a viewing application expected to be delivered? Will there be any type of restricted working hours for the TV work?	UCONN Staff Members	See RFQ No
58	Geosyntec Consultants	Received by 5/20/09	Under Section I, Scope of Work Item A. The second line of first bullet states "(see "Schedule of Services)" for indicated reaches for conducting CCTV. Could you please point us to where we can find this in the RFQ.	UCONN Staff Members	All pipes/structure shown on CAD file - pipes $\geq$ 6"
59	Weston & Sampson Engineers	Received by 5/20/09	Are GIS shape files available for the sewer & drainage systems - specifically size, length, age and type of pipe, manhole depths & material, rims, inverts, slopes, etc.	UCONN Staff Members	Limited. That is what we are asking for to be completed as it is a UCONN work in progress
60	Weston & Sampson Engineers	Received by 5/20/09	It was stated that the sewer/drain projects may be awarded as separate contracts. How should the fee proposal be presented? Do you want two distinct fee proposals?	UCONN Staff Members	Pricing should be provided separately for each project (901419 & 901420). The University reserves the right to award by project. The submissions are not to be contingent on each other as a basis for acceptance.
61	Maguire Group Inc.	Received by 5/20/09	What is the maximum allowable flow, before by-passing would be required? For example, NASSCO allows the pipe to be up to 25% full.	UCONN Staff Members	We are looking for recommendations and reasoning from the potential firm
62	Maguire Group Inc.	Received by 5/20/09	Since the footages and diameters for the existing piping can only be approximated from the maps provided and the accuracy of the map is in question, would UCONN consider changing the pay item for cctv to include separate linear foot pricing for televising, light cleaning, and heavy cleaning for various size ranges?	UCONN Staff Members	No

**RFI QUESTIONS AND ANSWERS - Inflow and Infiltration Studies- Storm and Sanitary Sewer Systems 901419-901420**

RFI No.	Company Name	Date Submitted	Question	Response Req'd From	Response
63	Maguire Group Inc.	Received by 5/20/09	What water source is available for use during the cleaning process? Are there any fees associated with this source? If hydrants cannot be used, could we pump from ponds?	UConn Staff Members	We need to know how much water might be needed daily and for how long. If under mandatory water restrictions, your firm would have to supply the water (at an additional cost to the University if necessary - Provide unit cost per 6,500 gallons).
64	Maguire Group Inc.	Received by 5/20/09	Are we responsible for cleaning storm water collection structures or just the pipelines?	UConn Staff Members	Both
65	Tighe & Bond	Received by 5/20/09	Does the University currently use an asset management system for its utilities?	UConn Staff Members	No
66	ADS	Received by 5/20/09	The stated objective of this project is to identify sources of I/I into the sanitary sewer system. While CCTV is one method used, it is not the only method and is limited to identifying pipe defects causing infiltration in wet weather/high ground water. Will you consider alternate approaches that stays within the budget constraints?	UConn Staff Members	Yes
67	ADS	Received by 5/20/09	As a result of the pre-bid meeting and questions raised about alternate approaches, can the bid due date be extended?	UConn Staff Members	Yes - Please refer to our website for updates. <a href="http://www.cpcu.uconn.edu/profserv/profserv_currentops.html">http://www.cpcu.uconn.edu/profserv/profserv_currentops.html</a> Request for Technical Proposal: Civil Engineering Services- Inflow and Infiltration Studies- Storm and Sanitary Sewer Systems
68	CHA	Received by 5/20/09	The Scope of work indicates that there is a "Schedule of Services" specifying reaches of pipe should be included in the cleaning and inspection. I don't seem to have the "Schedule of Services" document. Can you provide it to me?	UConn Staff Members	Within the text of the RFQ - greater than and equal to 6 inch diameter up to and including building sewers.
69	CHA	Received by 5/20/09	Is there a list of firms that collected the RFQ?	UConn Staff Members	Please see <a href="http://www.cpcu.uconn.edu/profserv/profserv_currentops.html">http://www.cpcu.uconn.edu/profserv/profserv_currentops.html</a> Request for Technical Proposal: Civil Engineering Services- Inflow and Infiltration Studies- Storm and Sanitary Sewer Systems > Bid Clarification #1