

RFQ #28179

AW Willis & Crosstown Drainage Remediation

Addendum #1

Questions & Answers

Except to remove vendor names and addresses, questions are provided exactly as submitted.

#		Section	Question / Answer																					
1	Q		Is a TN. Contractors required for this project? If so does TN reciprocate with license bureaus from other states?																					
1	A		<i>A valid TN contractor's license will be required to perform this work. It is the responsibility of each proposing contractor or team to determine if comity or reciprocity is an option to obtain such a license.</i>																					
2	Q		It would be helpful if you could help me obtain the following information. Any and all plans for subject lines, to include but not be limited to: a. Autumn Ave. Culvert (8.0'W x 8.5'H) which is understood to possibly be representative of the Sears Crosstown line construction. Light section is documented to have been based on 500 psf (fs=18,000 psi and fc=750 psi) b. Autumn Ave. and Crosstown 1.5' lowering project, 1938.																					
2	A		<i>Available plan sheets have been pulled, scanned, and made available as part of this response.</i>																					
3	Q		It would be helpful if you could help me obtain the following information. Flow information in each of the pipe segments included in this project, dry flows (if any) and wet weather.																					
3	A		<i>No significant dry weather flows are expected. Estimated wet weather design flows are as follows (based on WRIR 84-4110):</i>																					
			<table border="1"> <thead> <tr> <th><i>Design Storm</i></th> <th><i>AW Willis 54"</i></th> <th><i>Crosstown RCBC</i></th> </tr> </thead> <tbody> <tr> <td><i>2-year</i></td> <td><i>121 cfs</i></td> <td><i>867 cfs</i></td> </tr> <tr> <td><i>5-year</i></td> <td><i>201 cfs</i></td> <td><i>1,410 cfs</i></td> </tr> <tr> <td><i>10-year</i></td> <td><i>255 cfs</i></td> <td><i>1,744 cfs</i></td> </tr> <tr> <td><i>25-year</i></td> <td><i>326 cfs</i></td> <td><i>2,176 cfs</i></td> </tr> <tr> <td><i>50-year</i></td> <td><i>386 cfs</i></td> <td><i>2,519 cfs</i></td> </tr> <tr> <td><i>100-year</i></td> <td><i>452 cfs</i></td> <td><i>2,876 cfs</i></td> </tr> </tbody> </table>	<i>Design Storm</i>	<i>AW Willis 54"</i>	<i>Crosstown RCBC</i>	<i>2-year</i>	<i>121 cfs</i>	<i>867 cfs</i>	<i>5-year</i>	<i>201 cfs</i>	<i>1,410 cfs</i>	<i>10-year</i>	<i>255 cfs</i>	<i>1,744 cfs</i>	<i>25-year</i>	<i>326 cfs</i>	<i>2,176 cfs</i>	<i>50-year</i>	<i>386 cfs</i>	<i>2,519 cfs</i>	<i>100-year</i>	<i>452 cfs</i>	<i>2,876 cfs</i>
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4	Q		It would be helpful if you could help me obtain the following information. Either loading information we will need to use in the design as it relates to the structures, or foundation information (type, details, etc.) for the buildings (Sears Crosstown and Parking Structure) overtop the Crosstown Building Dual Box Culvert Segments. Also line depths as they relate to																					

			ground and these buildings if not provided in the plans.
4	A		<i>All available data has been included. The information requested is unavailable.</i>
5	Q		It would be helpful if you could help me obtain the following information. Confirmation and extent/size of existence of any void(s) that may or may not be in existence under north end of parking structure and truck loading dock where soil migration is noted to be taking place. Size and location information on any other void(s) noted during inspections.
5	A		<i>The only available information is included in the inspection report attached to the RFP.</i>
6	Q		It would be helpful if you could help me obtain the following information. Geopolymer Spec, Paragraph 4.2/1 indicates that design calculation is listed in Appendix 1, yet this information has not been provided.
6	A		<i>That statement was left in the specification in error. The required calculations are to be provided by the proposing contractor and relate to the expected design flow capacity of the culverts after completion of the remedial measures.</i>
7	Q		The Provided Specifications for the lining system call for EcoCast. Will there be other similar products approved? If so, can we seek pre-approval, or will submittal for approval be permitted only after the proposals have been reviewed?
7	A		<i>Other similar products will be considered approvable; provided they are capable of meeting the performance criteria.</i>

WR 84-4110 Calculation Worksheet

Project Sears Crosstown Culvert Rehabilitation
 Date 12/6/2016

Channel Condition (p) 2
 Drainage Area (A) 559 Acres

Design Storm	Factor 1	Factor 2	Factor 3	Q
2	448	0.81	1.11	867 cfs
5	738	0.8	1.09	1,410 cfs
10	918	0.79	1.08	1,744 cfs
25	1,160	0.78	1.06	2,176 cfs
50	1,350	0.77	1.05	2,519 cfs
100	1,550	0.76	1.04	2,876 cfs

Channel Condition		
Reach	Concrete?	*Note: Use a value of 1 for a natural channel, 2 for a paved channel, and estimate any combination thereof
0-25%	2	
25-50%	2	
50-75%	2	
75-100%	2	
Average	2	

WR 84-4110 Calculation Worksheet

Project AW Willis 54" Culvert Rehabilitation
 Date 12/7/2016

Channel Condition (p) 2
 Drainage Area (A) 49 Acres

Design Storm	Factor 1	Factor 2	Factor 3	Q
2	448	0.81	1.11	121 cfs
5	738	0.8	1.09	201 cfs
10	918	0.79	1.08	255 cfs
25	1,160	0.78	1.06	326 cfs
50	1,350	0.77	1.05	386 cfs
100	1,550	0.76	1.04	452 cfs

Channel Condition		
Reach	Concrete?	*Note: Use a value of 1 for a natural channel, 2 for a paved channel, and estimate any combination thereof
0-25%	2	
25-50%	2	
50-75%	2	
75-100%	2	
Average	2	

Addendum 1 – Question & Answers - Attachment 1

Addendum 1 – Questions & Answers - Attachment 2

Addendum 1 – Questions & Answers - Attachment 3

Addendum 1 – Questions & Answers - Attachment 4

Addendum 1 – Questions & Answers - Attachment 5