



**SAR Train A & B Blower Replacement
 BID PHASE - CLARIFICATION No. 2
 CLMC 573**

CIP Project No. 3333.028
 IFB: 6100 CLMC 573

Prepared by:

Carollo Engineers, Inc.
 8911 Capital of Texas Hwy North, Suite 2200
 Austin, TX 78759
 (512) 472-4519



The following are answers to Bidders received on the above project. These answers do not modify the Contract. Any modifications to the Contract will be through Addenda.

	Question/Request	Response
1	Please verify the material type for the metal supports. Pipe Saddle & Straps - Type SS304 or Type SS316? Drawing 03S01 & 04S01 , Note 2 states All material shall be 304L or 316L.	Addendum No. 2 includes updating sheet 00GM01 note No. 22 to change the default stainless material to 304 or 304L unless it is explicitly noted otherwise.
2	Are the Pipe Supports and Structural members considered Submerged or Non-Submerged? Spec 05501, 2.1, C.2. calls for Submerged or Intermittently Submerged to be type SS316L. Spec 05501, 2.1, C.3. calls for Non-Submerged to be SS304L.	The pipe supports and structural members are non-submerged. All pipe support material shall be stainless steel as noted on Sheet 03S01 and 04S01.
3	(Dwg 03S02, 03S03, 04S02, 04S03) Are the Structural Pipe Supports to be Galvanized Steel or Stainless Steel? Shapes and sizes called out on the drawings are carbon steel sizes. On Detail 5/sht 03S03 the base plate is called to be SS316. Please verify if W10x26, C6x10.5, HSS3x3x5/16 are be carbon steel or stainless steel.	All pipe support material shall be stainless steel as noted on Sheet 03S01 and 04S01.
4	Is there any residual chlorine in the chlorine system that the Contractor will be responsible for handling?	No.



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5	There is a steel edge angle around the perimeter of the concrete trench to be filled in the existing chlorine room. The details do not show that this is to be removed. Please clarify if it has to be removed.	Saw cut and remove existing edge angle at trench to be filled and repair saw cut edges using repair mortars.
6	What are the dimensions and material of the Intake Transitions for the Blowers? 11375, 2.07 states as specified in Procurement Package and I do not have that.	Details are provided in Volume 4 and on the drawings. Actual dimensions will need to be field verified during construction, as each intake transition is unique because of the existing column locations.
7	Please supply Detail S520 as stated on detail H202.	Bid per documents provided.
8	Detail H065 refers A933 for details on the penetration for the Roof Hoods. Since the Blower Room roof is not being replaced and does not seem to be the same roof as the new lightweight and fluid applied roof on the Electrical Room, detail A933 does not work. Please advise.	Fans installed on the roof of the blower room were selected to fit on the existing curb, no modifications to the roof opening will be needed.
9	What type of roof repair will be needed for the Blower Room and Instrumentation Room regarding the penetrations for the HVAC system? I do not know if details H065 and H202 work without knowing details of the existing roofing system.	There will be no existing penetrations requiring repair on either the blower room roof or the instrumentation room roof.
10	Please clarify what type of expansion joint coupling is required for the 48" and 36" shown on sht. 01C02 and 01C03. Are they the bellows type expansion couplings in spec. section 15120-2 para. 2.02 for general service?	The expansion couplings intended for air piping are those listed in 15121 paragraph 2.04C.
11	Also, are the 48" and 36" restrained couplings shown on 01C02 and 01C03 the bolted split sleeve coupling in spec. section 15121-8 para.	Drawings 01C02 and 01C03 have been updated in Addendum No. 2.



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	Question/Request	Response
	2.05?	
13	Please confirm that the aeration air peep material is to be type 304L SS as this pipe is not listed spec section 15286 paragraph 2.01 C.1.	Addendum No. 2 addresses this issue.
14	For the aeration piping, are fabricated fittings made per AWWA C226 allowed?	Fittings must meet the standards listed in the new specification 15103 (Added in Addendum No. 2).
15	Please confirm that the 48" expansion couplings as called out in drawings 01C02 and 01C03 are the couplings noted in Spec section 15121 paragraph 2.05C.2.a – Expansion X expansion configuration: 1) Victaulic, Depend O Lok ExE Style 230S.	Specification 15121 was updated in Addendum No. 2 to allow alternative expansion couplings.
16	Please confirm whether the expansion joints for the 6" to 14" branch lines in the aeration basins to be bellows type expansion joints per spec section 15120, paragraph 2.02 or slip type expansion joints per spec section 15120, paragraph 2.03 or expansion couplings per spec section 15121, paragraph 2.04C.2.a – Expansion x expansion configuration: 10 Victaulic, Depend O Lok, ExE, Style 230S or 2) Straub, Air Flex.	See the response to Question 10 of this Clarification No. 2.
17	Sheets 01C06 and 01C07 depict limits of construction that do not allow access around the Flow Equalization Diversion Structures on Train A and Train B respectively. Please clarify if the Contractor will have access around these structures.	The Contractor will have access around the structures in question to allow access to areas where construction is occurring.



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	Question/Request	Response
18	Please provide construction loading criteria or limits for equipment on the interior basin slabs.	No particular loading criterial or limits have been established.
19	Is there a sign in sheet available for the 2nd site visit?	No.
20	Is there a plan holders list available?	Yes. A copy of the Plan Holders Log as of the morning of March 21 is attached. Please note that it can change at any time.
21	Please clarify the following as it has a HUGE impact on the quality and cost of the project. Per Specification 15103-5, I.2.e. >> field welding is allowed. Does this mean all pipe can be field fabricated ? Typically on such high profile jobs, Field Welds are not allowed. It is our understanding that the intent is that no field welds are not allowed.	See Addendum #2 Revised Section 15103. No field welding is allowed.
22	Specifications Sections 15103 and 15286 contradict each other. Can you please clarify the intent? Is field welding acceptable? This changes the thought behind the pipe fabrication.	See the response to Question 21 of this Clarification No. 2.

SAR WWTP Trains A & B Blower Replacement

Bidders

<i>Company</i>	<i>Address</i>		<i>Recpt. # /Pickup Date</i>	<i>Phone/Fax</i>	
Cardinal Contractors, Inc.	9001 Primoris Court	Fort Worth Tx 76140	00019846 2/2/2016	(941) 377-8555 (941) 377-8542	<u>long dist</u> <u>long dist</u>
Control Panels USA, Inc	16310 Bratton Lane #100	Austin TX 78728	00019852 2/5/2016	(512) 863-3224 (512) 868-5446	<u>long dist</u> <u>long dist</u>
CSA Construction, Inc.	2314 McAllister Road	Houston TX 77092	00019841 2/1/2016	(713) 686-8868 (713) 686-8889	<u>long dist</u> <u>long dist</u>
Enersafe	223 Seale Road	San Antonio TX 78219	00019870 2/18/2016	(210) 716-9911	<u>long dist</u>
Environmental Improvements	235 Trademark Drive	Buda TX 78610	00019843 2/1/2016	(512) 295-3733 (512) 295-4028	<u>long dist</u> <u>long dist</u>
Excel Construction Services, LLC	1202 Leander Dr	Leander TX 78641	00019848 2/4/2016	(512) 259-5005 (512) 259-5665	<u>long dist</u> <u>long dist</u>
Hartwell Environmental	1406 Camp Craft #104	Austin TX 78746	00019845 2/2/2016	(512) 347-7676 (512) 347-7730	
Hartwell Environmental	1406 Camp Craft #104	Austin TX 78746	00019851 2/5/2016	(512) 347-7676 (512) 347-7730	
Hilti	1220 Felsmore Drive	Pflugerville TX 78660	00019894 3/17/2016	(512) 468-5281	
Keystone Construction	7100 Old Bee Cave Rd.	Austin TX 78735	00019863 2/16/2016	(512) 288-6437 (512) 288-6439	<u>long dist</u> <u>long dist</u>
KLP Commercial	329 Main St.	Rosebud TX 76570	00019853 2/5/2016	(512) 294-9078 (512) 255-4032	
Laughlin-Thyssen, LTD	1409 Brittmoore	Houston TX 77043	00019842 2/1/2016	(713) 429-6500 (713) 675-7022	<u>long dist</u> <u>long dist</u>
Macias Land Surveyors	5410 South 1st Street	Austin TX 78745-3040	00019862 2/16/2016	(512) 442-7875 (512) 442-7876	<u>long dist</u> <u>long dist</u>
MARS INDUSTRIES	188 Heritage Oaks	Cedar Creek TX 78612	00019866 2/17/2016	(512) 303-4413 (512) 321-1199	<u>long dist</u>
Matous Construction	8602 N. Hwy. 317	Belton TX 76513	00019839 2/1/2016	(254) 780-1400 (254) 780-2599	<u>long dist</u> <u>long dist</u>
Mechanical & Process Systems	1804 Central Commerce Court	Round Rock TX 78664	00019861 2/16/2016	(512) 691-9259 (512) 691-9258	<u>long dist</u> <u>long dist</u>
Metro-Tex Fabricators	5107 Brookglen Drive	Houston TX 77017	00019850 2/5/2016	(713) 473-3900 (713) 473-1597	<u>long dist</u> <u>long dist</u>

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Pepper Lawson Austin	3160 Bee Cave Road Suite 301	Austin TX 78746	00019847 2/2/2016	(512) 493-5470 (512) 493-5439	
Piatra, Inc.	5102 Woodview	Austin TX 78756	00019871 2/19/2016	(512) 299-0404 (512) 371-7476	
Prime Controls	11500-4 Metric Blvd. Suite 470	Austin TX 78758	00019857 2/9/2016	(512) 375-3580 (972) 420-4842	<i>long dist</i>
Quest Civil Constructors	1903 W. Parkside Ln #100	Phoenix AZ 85027	00019849 2/5/2016	(623) 581-9700 (623) 581-9710	<i>long dist</i> <i>long dist</i>
Steel Complements	19 S Sage Sparrow Circle	Woodlands TX 77389	00019844 2/2/2016	(832) 744-8833	<i>long dist</i>
Stephanie Braun Clayton Photography	812 West Gibson	Austin TX 78704	00019885 3/9/2016	(512) 547-0719	<i>long dist</i>
T. Morales Company	601 South Patterson Ave. (Hwy. 195)	Florence TX 76527	00019840 2/1/2016	(254) 793-4344 (254) 793-3044	<i>long dist</i> <i>long dist</i>
Xylem	9333 N. 49th St.	Brown Deer WI 53223	00019856 2/8/2016	(414) 365-2256 (414) 365-2210	<i>long dist</i> <i>long dist</i>

Number of Bidders still holding plans for SAR WWTP Trains A & B Blower Replacement: 25