constructconnect insight

Bloomington Interceptor Rehabilitation

Category:	Sewers and Water Mains	Project ID #:	1004058567
Street Address:	Multiple Locations Bloomington MN 55437	Confirmed Value	$5,702,756.00
County:	Hennepin	Stage:	General Contractor Award
Bid Date:	6/21/2016 , 02:00PM		
Architect:			
Documents Available:	Plans, Specs, Addenda available in Insight	Plans available from Metropolitan Council Environmental Services (MCES)	
Last Update:	9/21/2016	Specs were Added/Updated	

Notes

Scope

Site work for a water / sewer project in Bloomington, Minnesota. Completed plans call for site work for a water / sewer project. The work of this project includes rehabilitation of sewer pipe in 3 sites using CIPP ranging from 15 to 48 diameter; replacement of approximately 400 LF of 24 RCP sewer pipe; demolition and replacement of a junction box; pipe and structure and abandonment of 48 diameter sewer pipe. THE COUNCIL INVITED PREQUALIFICATION FOR 2016 INTERCEPTOR CONTRACTORS FOR PORTIONS OF WORK ON THIS PROJECT. A LIST OF PREQUALIFIED CONTRACTORS IS ATTACHED TO THIS ADVERTISEMENT.

Notes

Development include(s): Site Work Pre-Bid Meeting: 06/01/2016 01:00PM A Pre-Bid Meeting will be held at Regional Maintenance Facility, 3565 Kennebec Drive, Eagan, MN 55122 Bid Date: 06/21/2016 02:00PM Bids will be received by Metropolitan Council 390 N. Robert St. St Paul, MN 55101.

Details

[Division 2]: Clearing, Dewatering, Grading, Slope Protection & Erosion Control, Paving & Surfacing, Water Systems, Wells, Electric Power Transmission, Landscaping. [Division 3]: Concrete Formwork, Concrete Reinforcement, Structural Concrete. [Division 5]: Metal Fabrications. [Division 9]: Lath & Plaster, Stucco, Painting. [Division 13]: Ground Storage Tanks, Underground Storage Tanks.

Additional Details

Listed On:	5/24/2016	Floor Area:	
Contract Type:		Work Type:	Alteration
Stage Comments 1:		Floors Below Grade:	
Stage Comments 2:		Owner Type:	State/Provincial
Bid Date:	6/21/2016	Mandatory Pre Bid Conference:	
Invitation #:	16P079, 808060	Commence Date:	7/16/2016
Structures:		Completion Date:	6/16/2018
Single Trade Project:		Site Area:	
Floors:		LEED Certification Intent:	
Parent Project ID:		Units:	
Parking Spaces:			

Project Participants

Company Role	Company Name	Contact Name	Address	Phone	Email	Fax
General Contractor	Geislinger & Sons		511 Central Ave S PO Box 437, Watkins, MN 55389	(320) 764-2006		(320) 764-2007
Owner	Metropolitan Council Environmental Services (MCES)	Janice Bevins	390 Robert St. N , Saint Paul, MN 55101	(651) 602-1000	jan.bevins@metc.state.mn.us	(651) 602-1550
Civil Engineer	SEH Inc	Michael H Ostendrof	3535 Vadnais Center Drive , Saint Paul, MN 55110	(651) 490-2150		(651) 490-2150

Bidders

Company Name	Added Date	Address	Phone	Email	Bidding Role	Bid Rank	Bid Value	Fax Number
Lametti & Sons, Inc.	6/23/2016	16028 Forest Blvd N P.O. Box 477, Hugo, MN 55038	(651) 426-1380		Subcontractor	2	$6,473,800.00	(651) 426-0044
Minger	6/23/20	620 Corporate Dr ,	(952) 368-	estimating@ming	Subcontractor	1	$6,255,478.	(952) 368-

Construction Inc.	16	Jordan, MN 55352	9200	erconst.com			00	9311
Geislinger & Sons	9/21/2016	511 Central Ave S PO Box 437, Watkins, MN 55389	(320) 764-2006		General Contractor	1	$5,702,756.00	(320) 764-2007

Planholders

Company Name	Address	Phone	Email	Fax
Visu-Sewer Inc.	W230 N4855 Betker Road , Pewaukee, WI 53072	(262) 695-2340	visu-info@visu-sewer.com	(262) 695-2359
Insituform Technologies	17988 Edison Ave. , Chesterfield, MO 63005	(800) 234-2992		(636) 519-8010
S.R. Weidema, Inc.	17600 113th Ave. N. , Maple Grove, MN 55369	(763) 428-9110	estimating@srweidema.com	(763) 428-9095
Northern Dewatering Inc	14405 Northdale Blvd , Rogers, MN 55374	(763) 428-2616		(763) 428-2671
Lloyd's Construction Services	7207 West 128th Street , Savage, MN 55378	(952) 746-5832	slloyd@lloyds-construction.com	(952) 746-5800
Ric-Man Construction/Mancini Companies	6850 19 Mile Rd. , Sterling Heights, MI 48314	(586) 739-5210		(586) 739-8290
Hydro-Klean, LLC	333 NW 49th Pl. , Des Moines, IA 50313	(515) 283-0500		(515) 283-0505
Michels Corporation	1715 16th St SE, , Salem, OR 97302	(503) 364-1199	dphelps@michels.us	(503) 391-8317
SAK Construction LLC - Headquarters	864 Hoff Road , O Fallon, MO 63366	(636) 385-1000	sakbid@sakcon.com	(636) 385-1100
S.M. Hentges & Sons Inc.	650 Quaker Ave. , Jordan, MN 55352	(952) 492-5700	mailbox@smhentges.com	(952) 492-5705
Warning Lites	4700 Lyndale Ave. N , Minneapolis, MN 55430	(612) 521-4200		(612) 521-0646
Lanzo Trenchless Technologies	3800 Woodward Ave , Detroit, MI 48210	(313) 831-2904		(313) 831-2905
Standard Contracting, Inc.	23870 Conrad Ave P.O. Box 250, Hampton, MN 55031	(651) 463-2510	alyssa@stanconinc.com	(651) 463-2525
American Environmental	3086 Walden Drive , Chaska, MN 55318	(952) 479-7353		
Midwest Asphalt Corp.	6340 Industrial Drive Suite 200 , PO Box 5477, Eden Prairie, MN 55346	(952) 937-8033	matttimmers@midwestasphalt.net	(952) 937-6910
All Phase Contracting, Inc.	13957 Lake Drive NE , Forest Lake, MN 55025	(651) 462-7232	info@apcwbe.com	(651) 784-3609
JL Theis, Inc.	860 Quaker Ave, Ste 102, Jordan, MN 55352	(952) 237-6097		(952) 492-2091
Ric-Man Construction Inc. - Miami	7005 NW 41st St. , Miami, FL 33166	(305) 379-4000		(305) 379-4124
Rice Lake Boring INC	18190 Dairy Ln Ste 100, Jordan, MN 55352	(612) 919-4682	krystal@ricelakeboring.com	
Perkins Landscape Contractors	1265 Elmwood Ave , Mound, MN 55364	(612) 940-1646	perkinscontracting@mchsi.com	(952) 472-8471
Pete's Water & Sewer	2316 Jefferson St NE , Minneapolis, MN 55418	(763) 515-7428	info@petesws.com	(763) 515-7428

Contracts

Classification	Conditions	Bonding	Bid Date	Bids To	Bid Type
General Contractor		Bid:5.00%,Perf:100.00%,Pay:100.00%	6/21/2016	Owner	Open Bidding

History

User	Viewed	First Viewed Date	Currently Tracked?	Date Tracked
Jake Schumacher	True	6/28/2016	False	

SECTION 03301

CONTROLLED LOW STRENGTH MATERIAL (CLSM)

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Furnishing and placing normal weight CLSM and light weight CLSM (i.e., cellular concrete grout).

1.2 REFERENCES

A. American Concrete Institute (ACI):
1. 211.1 Standard Practice for Selecting Proportions for Normal, Heavyweight and Mass Concrete.
2. 229R Controlled Low-Strength Materials (CLSM).
3. 301 Specifications for Structural Concrete.

B. American Society for Testing and Materials (ASTM):
1. C31 Standard Practice for Making and Curing Concrete Test Specimens in the Field.
2. C33 Standard Specification for Concrete Aggregates.
3. C94 Standard Specification for Ready-Mixed Concrete.
4. C150 Standard Specification for Portland Cement.
5. C172 Standard Practice for Sampling Freshly Mixed Concrete.
6. C232 Standard Test Methods for Bleeding of Concrete.
7. C403 Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance.
8. C494 Standard Specification for Chemical Admixtures for Concrete.
9. C495 Standard Test Method for Compressive Strength of Lightweight Insulating concrete.
10. D4832 Standard Test Method for Preparation and Testing of Controlled Low Strength Material (CLSM) Test Cylinders.
11. D6103 Standard Test Method for Flow Consistency of Controlled Low Strength Material (CLSM).

1.3 SUBMITTALS

A. Provide following submittals consistent with the provisions of Section 01300 SUBMITTALS.

B. Shop Drawings:
1. CLSM design mix, giving dry weights of cement, saturated surface-dry weights of aggregate, types, names and percent of admixtures, air content, and water used per cubic yard.
2. Initial and final set times of design mix as determined by ASTM C403.

C. Quality Control

1. Experience of ready mix plants supplying normal weight CLSM .
2. Experience of specialty contractors supplying light weight CLSM
3. Laboratory test data on seven (7) and twenty-eight (28) day strengths.

1.4 QUALITY ASSURANCE

A. Ready mix plants and specialty contractors shall have a minimum of two years' experience producing CLSM of the type required. Submit list of projects including quantity, density and strength of CLSM supplied for similar projects in past two years as proof of experience.

PART 2 PRODUCTS

2.1 CLSM MATERIALS

A. CLSM shall consist of portland cement, aggregate, admixtures, and enough water to allow the material to flow freely. CLSM shall be self-leveling and self-compacting.

B. Unless otherwise noted, all materials shall comply with requirements of ACI 229R.

C. Portland Cement – ASTM C150 – Type I or Type II.

D. Fine Aggregate: ASTM C33.

E. Admixtures: Certified to be compatible with each other. Admixtures shall not contain calcium chloride. Flyash shall not be used in any CLSM mix that will be in direct contact with any soils.

F. Water: Potable, clean and containing less than 100 ppm of chlorides. Free of any substances deleterious to lightweight CLSM foaming agent.

2.2 CLSM MIX DESIGN

A. Consistency: The mixture of cement, aggregate, water and admixtures shall be proportioned to create a flowable slurry with a minimum flow of 8-inches when tested in accordance with ASTM D6103. The mix must be a homogenous slurry so the materials do not segregate upon deposition. Bleed water shall be no greater than 10 percent of the mixing water as measured by Method A of ASTM C232.

B. Proportioning and Design of CLSM mixes. Field experience test data or laboratory test batches prepared in accordance with ACI 211.1 and ACI 301.

C. Normal Weight CLSM:
   1. Excavatable by machine.
   2. 28-day compressive strength: 500 psi +/- 50 psi.
   3. Minimum compressive strength at three (3) days: 20 psi.
      Density: 110 pcf +/- 5 pcf.4.
   4. Preparation and testing of cylinders shall be in accordance with ASTM.

D. Light Weight CLSM:

1. Excavatable by machine.
2. Low density, non-bleeding cellular concrete.
3. Portland cement and water slurry blended with a high stability pre-generated foaming agent.
4. Fluid (10-inch slump), pumpable.
5. Wet Density: greater than 30 pounds per cubic foot.
6. Twenty-eight (28) day Compressive Strength: 100 psi minimum.
7. If water is present in the structure being abandoned, the CLSM shall have a minimum density of 70 pcf.

2.3 MIXING

A. Sufficient mixing capacity shall be provided to permit the CLSM to be placed without interruption. The mixer drum shall be completely emptied prior to the initial batch of CLSM to ensure that no additional cement fines are incorporated into the mix.

PART 3 EXECUTION

3.1 USES

A. Normal weight CLSM shall be used where shown on the Drawings, or for the following at the CONTRACTOR's discretion:
   1. Structural fill.
   2. Bedding and backfill for piping.
   3. Trench stabilization.

B. Light weight CLSM shall be used to fill structures and pipe shown to be abandoned in place on the Drawings.

3.2 CLSM PLACEMENT PROCEDURES

A. Deposit CLSM by ready mix truck, pump, or other approved method by continuous discharging material in the space to be filled.

B. Where used to backfill trenches above pipes to a specified elevation, delay placement of other fill until CLSM has gained sufficient strength to support the next layer to be placed.

C. For piping located under paved areas, continue placing CLSM from the bedding surface through the pipe zone to the subgrade elevation. Excess excavated materials taken from these paved sections shall be reused in other areas or disposed.

D. Where CLSM is shown on the Drawings for pipe bedding, placement shall be completed in stages to prevent uplift of the pipe. The first stage shall stop at one fourth the diameter of the pipe. After setting of the first lift, the second stage placement shall stop at mid height of the pipe. After setting of the second lift the remainder of the trench shall be filled in one operation.

3.3 LIMITATION OF OPERATIONS

A. CLSM shall not be placed on frozen ground. Mixing and placing may begin only if the air temperature is at least 35 degrees F and rising. At time of placement, CLSM shall have a temperature of at least 40 degrees F. Mixing and placing shall stop when the air temperature is 40 degrees F and falling.

3.4 FIELD QUALITY CONTROL

A. Provide adequate facilities for safe storage and proper curing of CSLM test cylinders onsite for first 24 hours, and for additional time as may be required before transporting to test lab.

B. Provide CSLM for making cylinders from the point of discharge into forms. When CSLM is pumped, samples used shall be taken from discharge end of pump hose.

3.5 TESTING AND INSPECTION

A. COUNCIL shall coordinate with and schedule ITL for CLSM testing services.

B. Cylinders shall be made in field and tested in laboratory in accordance with ASTM D4832.

C. One sample shall be collected for every 25 cubic yards of CLSM.

D. Strength level of CLSM will be considered satisfactory if average 28 day strength test results are within the strength range specified and three (3) day strength is at least 20 psi.

END OF SECTION