# ADDENDUM No. 1

## ITB No. 4521

## Northside Interceptor Condition Assessment

## Due: February 1, 2018 at 10:00 A.M. (Local Time)

The following changes, additions, and/or deletions shall be made to the Invitation to Bid for **Northside Interceptor Condition Assessment Project, ITB No. 4521**, on which proposals will be received on/or before February 1, 2018, by 10:00 A.M. (Local Time).

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes 8 pages.**

**Bidder is to acknowledge receipt of this Addendum No. 1, including all attachments (if any) in its Bid by so indicating on pages ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgement of receipt of this addendum will be considered nonconforming.**

The following forms provided within the ITB Document must be included in submitted bids at bid opening.

- **City of Ann Arbor Living Wage Ordinance Declaration of Compliance**
- **Vendor Conflict of Interest Disclosure Form**
- **City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance**
- **Sample MSI and PACP report deliverables**

***Bids that fail to provide these completed forms listed above upon bid opening will be rejected as non-responsive and will not be considered for award.***

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## I. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the ITB.

**Question #1**: Do you have a sign in sheet or list of Contractors that attended the meeting that can be made available?

**Answer**: Yes, the Pre-Bid Meeting notes and sign-in sheet are attached to this Addendum.

**Question #2**: Can you provide electronic versions of the Pipe Summary and Structure Summary tables that are on Sheet 3 of 10 on the plans?

**Answer**: Yes, separate pdf copies of the summary tables are provided with this Addendum. The City shall not assume any liability for any information or formulas contained within spreadsheets that are altered or used for the purposes of bidding. It shall be the responsibility of the prospective bidder to confirm that any information in this electronic format is consistent with the information provided on the plan set.

Bidders are responsible for any conclusions that they may draw from the information contained in the Addendum.

# Northside Interceptor Condition Assessment Project

Pre-Bid Meeting Minutes ITB 4521
January 17, 2018 at 10:00 am
The Wheeler Service Center

I. Introductions

II. Addendum Items
- a. Addenda – None to date
  - i. Pre-Bid minutes, including sign in sheet.
  - ii. Minor Revisions may be issued in an addenda by next week, if needed.

III. General
- a. Project Overview
  - i. Inspection of approximately 19,000 linear feet of 78" sanitary interceptor and 300 feet of 36" sanitary sewer.
  - ii. Multi-sensor analysis required - CCTV, Laser, Sonar, and Gas.
- b. Bid Opening
  - i. February 1, 2018 10:00AM EST – All bid material should be delivered to City Hall. Refer to invitation to bid for information.
  - ii. January 19, 2018 5:00PM EST – Due date for questions.
- c. Bid Submission Requirements
  - i. Sample MSI and PACP report deliverables are required with submission.
  - ii. Refer to invitation to bid for full list of bid submittal requirements.
- d. Standard Specifications and Detailed Specifications
  - i. Project Schedule
    Starting Date – Estimated start of March 1st
    Completion Date – June 23rd (or 115 days after notice to proceed).
    Hours of work: 7:00 a.m. to 8:00 p.m. Monday thru Friday (Saturday's and Sunday's with written permission).
  - ii. Engineer's estimate – No Engineer's Estimate Provided.
  - iii. Access to structures/interceptor – Unless otherwise authorized, Contractor shall confine all work activities to sewer easement and/or City property at all times. Contractor is responsible for maintaining access to driveways during construction, and notifying businesses when access will be unavailable.
  - iv. Pedestrian access must be maintained unless otherwise noted.

IV. Construction
- a. Structure Deconstruction & Reconstruction
  - i. Eight buried structures need to be located and unearthed.
  - ii. Expected effort to locate and uncover: Contractor should make every effort to expose manholes by hand/shovel. If mechanical means are necessary, that effort would be handled by City.
  - iii. At least one structure is identified for removal and replacement of frame and cover to accommodate equipment insertion.

b. Equipment/Robot Access – Access is limited to the six structures identified on the plans.
    i. Concordia University Access – Temporary access easement is being obtained by the City and will be provided to the awarded Contractor. Contractor must adhere to all easement conditions. An access route is provided in the specifications.
    ii. Reverse set-ups - May be required to complete various segments due to the location of some of the manhole access points.
    iii. Contractor does have the ability to use the River by boat/raft to access MH locations.
c. Manned Access – Unless otherwise noted, all structures are available for manned entry through the sewer easement. It is assumed that manned entry may be required at certain locations to reposition the instruments when navigating bends in the alignment.
d. Work limits at downstream end is to the WWTP wet well to the extent possible. Equipment may have to be repositioned by hand at the further structure due to the change in alignment and limited vehicle access.
e. Flow Control – Pipe runs by gravity to the Ann Arbor WWTP. Some flow control to certain areas of the system may be feasible if required, however, Contractor shall not plug or bypass flow from any connections to the Northside Interceptor unless prior authorization is received. Coordination for interceptor access is required with City and the WWTP. The City has limited ability to limit flows to the interceptor during work. There is a hydraulic grade line figure in the specifications.
f. Sediments – Field inspections indicated low to negligent sediment levels throughout, however, it shall not be assumed that at the time of inspection there will be no accumulation of sediments in various pipe reaches.
g. Maintenance of Traffic – In park areas, Contractor shall ensure work activities and potential risks are protected from pedestrian access. Pedestrian access to parkland must still be safely maintained unless authorized otherwise.
h. Multi-senor data must be provided in a format that can be imported into IT Pipe software.

V. Other Items
a. Prevailing Wage – Will not be required, however, the City of Ann Arbor minimum living wage ordinance is required as outlined in the specifications.
b. Washtenaw County RC permit is required when working in their ROW.

Contact Information:

Kyle Selter
Project Engineer
Phone: (734) 466-4562
E-mail: Kyle.Selter@ohm-advisors.com

*Added comments from pre-bid meeting discussion

# PREBID MEETING SIGN-IN SHEET

**PROJECT:** **Northside Interceptor Condition Assessment** **ITB 4521**

**Date: 1/17/18**

**PLEASE PRINT**

| NAME | REPRESENTING | MAILING ADDRESS | TELEPHONE | EMAIL |
|---|---|---|---|---|
| Chris Elenbaas<br>Public Works Engineer | City of Ann Arbor - Public Works | Address: 4251 Stone School Road<br>City, State: Ann Arbor, MI Zip: 48107-8647 | Office: (734) 794-6350 x43311<br>Mobile: (734) 358-2029<br>Fax: (734) 994-0742 | celenbaas@a2gov.org |
| STEVE SIKLICH<br>OHM PM | OHM | Address: 1827 N. SQUIREL<br>City, State: AUBURN HILLS, MI Zip: 48326 | Office: ( 248 ) 751-3111<br>Mobile: ( )<br>Fax No. ( ) | STEVEN.SIKLICH<br>@ OHMADVISORS.COM |
| Tim Graeb<br>RedZone - Sales | RedZone | Address: 91 43rd St<br>City, State: Pittsburgh, PA Zip: 15201 | Office: (847 ) 778-4453<br>Mobile: (847 ) 778-4453<br>Fax No. ( ) | TGraeb@redzone.com |
| Matt Horton<br>RZR | Redzone | Address: 91 43rd St<br>City, State: Pittsburgh PA Zip: 15201 | Office: ( )<br>Mobile: ( 412 ) 805-8218<br>Fax No. ( ) | mhorton@<br>redzone.com |
| JT BURDEN | HYDROMAX USA | Address: 11492 BLUEGRASS PKWY SUITE 100<br>City, State: Louisville, KY Zip: 40299 | Office: ( )<br>Mobile: (812 ) 305-6586<br>Fax No. ( ) | |
| Devin<br>Maytine | Hydromax USA | Address: 157 Hillcrest drive<br>City, State: Pittsburgh, PA Zip: | Office: ( )<br>Mobile: ( 724 ) 624-4716<br>Fax No. ( ) | |
| Samuel<br>Hurley | Hydromax USA | Address: 157 Hillcrest Drive<br>City, State: Pittsburgh Zip: | Office: ( )<br>Mobile: ( 724 ) 494-2852<br>Fax No. ( ) | |
| DAVID<br>BALOGH | TAPLIN<br>GROUP | Address: 5140 MICHIGAN AVE<br>City, State: KALAMAZOO MI Zip: 49006 | Office: ( 269) 375-9595<br>Mobile: (313) 695. 1047<br>Fax No. ( ) | DAVEBALOGH<br>@TAPLINGROUP.<br>COM |

# PREBID MEETING SIGN-IN SHEET

**PROJECT:** Northside Interceptor Condition Assessment **ITB 4521**

**Date: 1/17/18**

**MEETING SIGN-IN SHEET** **PLEASE PRINT**

| NAME | REPRESENTING | MAILING ADDRESS | TELEPHONE | EMAIL |
|---|---|---|---|---|
| Pat Alger | United Resource | Address: 32900 Capitol<br>City, State: Livonia MI Zip: 48150 | Office: (734) 338-7730<br>Mobile: (248) 568-0601<br>Fax No. (734) 338-7735 | Palgerunited resource llc.com |
| KYLE SELTER | OHM Advisors | Address: 34000 PLYMOUTH RD<br>City, State: LIVONIA, MI Zip: 48150 | Office: (734) 466-4562<br>Mobile: (734) 740-4531<br>Fax No. (734) 522-6427 | Kyle.selter@ohm-advisors.com |
| GEORGE TSAKOFF | OHM | Address: —<br>City, State: — Zip: — | Office: ( )<br>Mobile: (734) 495-9568<br>Fax No. ( ) | george.tsakoff@ohm-advisors.com |
| | | Address:<br>City, State: Zip: | Office: ( )<br>Mobile: ( )<br>Fax No. ( ) | |
| | | Address:<br>City, State: Zip: | Office: ( )<br>Mobile: ( )<br>Fax No. ( ) | |
| | | Address:<br>City, State: Zip: | Office: ( )<br>Mobile: ( )<br>Fax No. ( ) | |
| | | Address:<br>City, State: Zip: | Office: ( )<br>Mobile: ( )<br>Fax No. ( ) | |
| | | Address:<br>City, State: Zip: | Office: ( )<br>Mobile: ( )<br>Fax No. ( ) | |

## PIPE SUMMARY

| Segment | Upstream MH | to | Downstream MH | Sheet No. | Pipe Size (inches) | Pipe Material | Slope (%) | Average Depth (feet) | Estimated Length (feet) | Sensors to Use* | Average flow Depth (inches) | Estimated Sludge Depth (inches) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 71-68820 | | 71-68810 | 4 | 78 | RCP | 0.06 | 18.4 | 427 | TV, L, S, G | 30.0 | 0.0 |
| 2 | 71-68810 | | 71-68809 | 4 | 78 | RCP | 0.06 | 15.9 | 133 | TV, L, S, G | 36.0 | 0.0 |
| 3 | 71-68809 | | 71-68812 | 5 | 78 | RCP | 0.06 | 17.3 | 80 | TV, L, S, G | 36.0 | 0.0 |
| 4 | 71-68812 | | 71-68870 | 5 | 78 | RCP | 0.06 | 22.4 | 1,056 | TV, L, S, G | 30.0 | 0.0 |
| 5 | 71-68870 | | 71-68847 | 5 | 78 | RCP | 0.06 | 23.8 | 587 | TV, L, S, G | 30.0 | 0.0 |
| 6 | 71-68847 | | 71-68848 | 5 | 78 | RCP | 0.06 | 19.3 | 680 | TV, L, S, G | 30.0 | 0.0 |
| 7 | 71-68848 | | 71-68846 | 6 | 78 | RCP | 0.06 | 15.8 | 507 | TV, L, S, G | 30.0 | 0.0 |
| 8 | 71-68846 | | 71-70069 | 6 | 78 | RCP | 0.06 | 13.2 | 1,043 | TV, L, S, G | 30.0 | 0.0 |
| 9 | 71-70069 | | 71-70068 | 6 | 78 | RCP | 0.06 | 16.6 | 334 | TV, L, S, G | 30.0 | 0.0 |
| 10 | 71-70068 | | 71-70065 | 6 | 78 | RCP | 0.06 | 19.4 | 1,013 | TV, L, S, G | 30.0 | 0.0 |
| 11 | 71-70065 | | 71-70064 | 6 | 78 | RCP | 0.06 | 17.7 | 614 | TV, L, S, G | 30.0 | 0.0 |
| 12 | 71-70064 | | 71-70087 | 6 | 78 | RCP | 0.06 | 17.3 | 1,632 | TV, L, S, G | 36.0 | 0.0 |
| 13 | 71-70087 | | 71-70084 | 7 | 78 | RCP | 0.06 | 16.8 | 885 | TV, L, S, G | 36.0 | 0.0 |
| 14 | 71-70084 | | 71-70086 | 7 | 78 | RCP | 0.06 | 15.6 | 700 | TV, L, S, G | 36.0 | 0.0 |
| 15 | 71-70086 | | 71-70085 | 7 | 78 | RCP | 0.06 | 16.6 | 765 | TV, L, S, G | 36.0 | 0.0 |
| 16 | 71-70085 | | 71-65747 | 7 | 78 | RCP | 0.06 | 12.9 | 522 | TV, L, S, G | 30.0 | 0.0 |
| 17 | 71-65747 | | 71-65676 | 7 | 78 | RCP | 0.06 | 12.6 | 424 | TV, L, S, G | 30.0 | 0.0 |
| 18 | 71-65676 | | 71-61882 | 7 | 78 | RCP | 0.06 | 16.6 | 1,122 | TV, L, S, G | 30.0 | 0.0 |
| 19 | 71-61882 | | 71-61880 | 7 | 78 | RCP | 0.06 | 17.5 | 785 | TV, L, S, G | 30.0 | 0.0 |
| 20 | 71-61880 | | 71-61492 | 8 | 78 | RCP | 0.06 | 18.6 | 1,083 | TV, L, S, G | 30.0 | 0.0 |
| 21 | 71-61492 | | 71-61468 | 8 | 78 | RCP | 0.06 | 19.2 | 831 | TV, L, S, G | 30.0 | 0.0 |
| 22 | 71-61468 | | 71-61013 | 8 | 78 | RCP | 0.06 | 18.9 | 831 | TV, L, S, G | 30.0 | 0.0 |
| 23 | 71-61013 | | 71-61045 | 9 | 78 | RCP | 0.06 | 17.2 | 1,142 | TV, L, S, G | 30.0 | 0.0 |
| 24 | 71-61045 | | 71-61873 | 9 | 78 | RCP | 0.06 | 16.4 | 825 | TV, L, S, G | 36.0 | 0.0 |
| 25 | 71-61873 | | 71-61878 | 10 | 78 | RCP | 0.06 | 19.9 | 657 | TV, L, S, G | 36.0 | 0.0 |
| 26 | 71-61878 | | WWTP | 10 | 78 | RCP | 0.06 | 22.7 | 248 | TV, L, S, G | 36.0 | 0.0 |
| | 71-61017 | | 71-61874 | 10 | 36 | RCP | 0.4 | 10.8 | 263 | TV, L, S, G | N/A | N/A |
| | 71-61874 | | 71-61873 | 10 | 36 | RCP | 0.4 | 15.0 | 32 | TV, L, S, G | N/A | N/A |
| Totals | | | | | | | | | 19,221 | | | |

* Sensors – 'TV' = CCTV, 'L' = Laser, 'S'= Sonar, 'G' = Gas

# STRUCTURE SUMMARY

| No. | Structure ID | Structure Type[1] | Location[2] | Surface Type[3] | Field Located (Y/N) | Available for TV Access (Y/N) | Accesible by Road/Trail (Y/N) | F&C Opening (inches) | Chimney/Cone Dia. (inches) | Wall Dia. / L–W–H (inches) | Estimated Depth (feet) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ***71–68820 | S | Y | D | Y | Y | Y | 30.0 | 23.5 | 48 | 22.7 |
| 2 | 71–68810 | S | Y | D | N | N | Y | 30.0 | 24.0 | 48 | 14.0 |
| 3 | 71–68809 | J | E | D | N | N | Y | 30.0 | 24.0 | 120x78x78 | 17.7 |
| 4 | 71–68812 | J | Y | E | N | N | Y | 30.0 | 24.0 | 120x78x78 | 16.8 |
| 5 | 71–68870 | S | Y | E | N | N | Y | 30.0 | 24.0 | 48 | 28.0 |
| 6 | 71–68847 | S | Y | E | Y | N | Y | 29.8 | 26.0 | 48 | 19.7 |
| 7 | 71–68848 | S | E | D | Y | N | N | 30.0 | 24.0 | 48 | 18.9 |
| 8 | 71–68846 | S | E | D | N | N | N | 30.0 | 24.0 | 48 | 12.7 |
| 9 | 71–70069 | S | E | D | N | N | N | 30.0 | 24.0 | 48 | 13.8 |
| 10 | 71–70068 | S | E | D | N | N | N | 30.0 | 24.0 | 48 | 19.4 |
| 11 | ***71–70065 | S | G | D | Y | Y | Y | 30.0 | 24.0 | 48 | 19.4 |
| 12 | 71–70064 | S | E | D | N | N | N | 30.0 | 24.0 | 48 | 15.9 |
| 13 | ***71–70087 | J | G | D | Y | Y | Y | 24.0 | 23.0 | 120x78x78 | 18.7 |
| 14 | 71–70084 | S | G | D | Y | N | Y | 30.0 | 24.0 | 48 | 14.9 |
| 15 | 71–70086 | S | G | D | Y | N | Y | 30.0 | 24.0 | 48 | 16.4 |
| 16 | 71–70085 | S | E | D | N | N | N | 30.0 | 24.0 | 48 | 16.8 |
| 17 | 71–65747 | S | E | D | N | N | N | 30.0 | 24.0 | 48 | 9.1 |
| 18 | 71–65676 | S | Z | O | N | N | N | 30.0 | 24.0 | 48 | 16.0 |
| 19 | 71–61882 | S | E | D | N | N | N | 30.0 | 24.0 | 48 | 17.3 |
| 20 | 71–61880 | S | Z | O | Y | N | N | 30.0 | 24.0 | 48 | 17.8 |
| 21 | ***71–61492 | S | G | D | Y | Y** | Y | 30.0 | 25.0 | 48 | 19.4 |
| 22 | 71–61468 | D | E | D | Y | N | Y | 30.0 | 24.0 | 48 | 19.1 |
| 23 | 71–61013 | S | E | D | N | N | N | 30.0 | 24.0 | 48 | 18.7 |
| 24 | ***71–61045 | S | C | D | Y | Y | Y | 21.5 | 26.0 | 48 | 15.7 |
| 25 | 71–61873 | J | Y | D | N | Y | N | 30.0 | 24.0 | 117x78x78 | 17.1 |
| 26 | 71–61878 | S | Y | D | N | Y | N | 30.0 | 24.0 | 48 | 22.7 |
|  | ***71–61017 | Control |  |  | N | Y | Y | N/A | N/A | N/A | 16.0 |
|  | 71–61874 | S |  |  | N | Y | Y | N/A | N/A | N/A | 10.0 |

[1] Structure Type – 'S' = Standard, 'D' = Drop Structure, 'J' = Junction Chamber

[2] Location – Per MACP Coding

[3] Surface Type – Per MACP Coding; 'O' = Other; River Bank

** Structure is accessible through temporary access easement – to be obtained by City

*** Available CCTV access points