

# CONSTRUCTION REQUEST FOR PROPOSAL

**RFP# 22-70**

**High Level Trunkline Sanitary Sewer Rehabilitation Ph. 2  
(File # 2022-024)**

City of Ann Arbor

Public Services Area / Engineering



**Due Date: October 20, 2022 by 2:00 p.m. (local time)**

Issued By:

City of Ann Arbor  
Procurement Unit  
301 E. Huron Street  
Ann Arbor, MI 48104

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## **SECTION I - GENERAL INFORMATION**

### **A. OBJECTIVE**

The purpose of this Request for Proposal (RFP) is to select a firm to provide construction services for the High Level Trunkline Sanitary Sewer Rehabilitation Ph.2.

### **B. QUESTIONS AND CLARIFICATIONS / DESIGNATED CITY CONTACTS**

All questions regarding this Request for Proposal (RFP) shall be submitted via e-mail. Questions will be accepted and answered in accordance with the terms and conditions of this RFP.

**All questions shall be submitted on or before October 4, 2022 at 1:00 p.m. (local time)**, and should be addressed as follows:

Scope of Work/Proposal Content questions shall be e-mailed to Igor Kotlyar, Project Manager, [ikotlyar@a2gov.org](mailto:ikotlyar@a2gov.org)

RFP Process and Compliance questions shall be e-mailed to Colin Spencer, Buyer - [CSpencer@a2gov.org](mailto:CSpencer@a2gov.org)

Should any prospective bidder be in doubt as to the true meaning of any portion of this RFP, or should the prospective bidder find any ambiguity, inconsistency, or omission therein, the prospective bidder shall make a written request for an official interpretation or correction by the due date for questions above.

All interpretations, corrections, or additions to this RFP will be made only as an official addendum that will be posted to [a2gov.org](http://a2gov.org) and [MITN.info](http://MITN.info) and it shall be the prospective bidder's responsibility to ensure they have received all addenda before submitting a proposal. Any addendum issued by the City shall become part of the RFP, and must be incorporated in the proposal where applicable.

### **C. PRE-PROPOSAL MEETING**

No pre-proposal meeting will be held for this RFP. Please contact staff indicated above with general questions regarding the RFP.

writing by the Financial Service Area, Procurement Unit. Answers that change or substantially clarify the proposal will be affirmed in an addendum.

## **D. PROPOSAL FORMAT**

To be considered, each firm must submit a response to this RFP using the format provided in Section III. No other distribution of proposals is to be made by the prospective bidder. An official authorized to bind the bidder to its provisions must sign the proposal. Each proposal must remain valid for at least one hundred and twenty (120) days from the due date of this RFP.

Proposals should be prepared simply and economically providing a straightforward, concise description of the bidder's ability to meet the requirements of the RFP. No erasures are permitted. Mistakes may be crossed out and corrected and must be initialed in ink by the person signing the proposal.

## **E. SELECTION CRITERIA**

Responses to this RFP will be evaluated using a point system as shown in Section III. A selection committee comprised primarily of staff from the City will complete the evaluation.

If interviews are desired by the City, the selected firms will be given the opportunity to discuss their proposal, qualifications, past experience, and their fee proposal in more detail. The City further reserves the right to interview the key personnel assigned by the selected bidder to this project.

All proposals submitted may be subject to clarifications and further negotiation. All agreements resulting from negotiations that differ from what is represented within the RFP or in the proposal response shall be documented and included as part of the final contract.

## **F. SEALED PROPOSAL SUBMISSION**

**All proposals are due and must be delivered to the City on or before October 20, 2022 by 2:00 p.m. (local time).** Proposals submitted late or via oral, telephonic, telegraphic, electronic mail or facsimile **will not** be considered or accepted.

**Each respondent should submit in a sealed envelope**

- **one (1) original proposal**
- **one (1) additional proposal copy**
- **one (1) digital copy of the proposal preferably on a USB/flash drive as one file in PDF format**

Proposals submitted should be clearly marked: **“RFP No. 22-70 – High Level Trunkline Sanitary Sewer Rehabilitation Ph. 2”** and list the bidder's name and address.



Proposals must be addressed and delivered to:  
City of Ann Arbor  
c/o Customer Service  
301 East Huron Street  
Ann Arbor, MI 48107

All proposals received on or before the due date will be publicly opened and recorded on the due date. No immediate decisions will be rendered.

Hand delivered proposals may be dropped off in the Purchasing drop box located in the Ann Street (north) vestibule/entrance of City Hall which is accessible to the public at all hours. The City will not be liable to any prospective bidder for any unforeseen circumstances, delivery, or postal delays. Postmarking on the due date will not substitute for receipt of the proposal.

Bidders are responsible for submission of their proposal. Additional time will not be granted to a single prospective bidder. However, additional time may be granted to all prospective bidders at the discretion of the City.

**A proposal may be disqualified if the following required forms are not included with the proposal:**

- **Attachment D - Prevailing Wage Declaration of Compliance**
- **Attachment E - Living Wage Declaration of Compliance**
- **Attachment G - Vendor Conflict of Interest Disclosure Form**
- **Attachment H - Non-Discrimination Declaration of Compliance**

***Proposals that fail to provide these forms listed above upon proposal opening may be deemed non-responsive and may not be considered for award.***

## **G. DISCLOSURES**

Under the Freedom of Information Act (Public Act 442), the City is obligated to permit review of its files, if requested by others. All information in a proposal is subject to disclosure under this provision. This act also provides for a complete disclosure of contracts and attachments thereto.

## **H. TYPE OF CONTRACT**

A sample of the Construction Agreement is included as Attachment A. Those who wish to submit a proposal to the City are required to review this sample agreement carefully. **The City will not entertain changes to its Construction Agreement.**

For all construction work, the respondent must further adhere to the City of Ann Arbor General Conditions. The General Conditions are included herein. Retainage will be

held as necessary based on individual tasks and not on the total contract value. The Contractor shall provide the required bonds included in the Contract Documents for the duration of the Contract.

The City reserves the right to award the total proposal, to reject any or all proposals in whole or in part, and to waive any informality or technical defects if, in the City's sole judgment, the best interests of the City will be so served.

This RFP and the selected bidder's response thereto, shall constitute the basis of the scope of services in the contract by reference.

## **I. NONDISCRIMINATION**

All bidders proposing to do business with the City shall satisfy the contract compliance administrative policy adopted by the City Administrator in accordance with the Section 9:158 of the Ann Arbor City Code. Breach of the obligation not to discriminate as outlined in Attachment G shall be a material breach of the contract. Contractors are required to post a copy of Ann Arbor's Non-Discrimination Ordinance attached at all work locations where its employees provide services under a contract with the City.

## **J. WAGE REQUIREMENTS**

The Attachments provided herein outline the requirements for payment of prevailing wages or of a "living wage" to employees providing service to the City under this contract. The successful bidder must comply with all applicable requirements and provide documentary proof of compliance when requested.

Pursuant to Resolution R-16-469 all public improvement contractors are subject to prevailing wage and will be required to provide to the City payroll records sufficient to demonstrate compliance with the prevailing wage requirements. Use of Michigan Department of Transportation Prevailing Wage Forms (sample attached hereto) or a City-approved equivalent will be required along with wage rate interviews.

For laborers whose wage level are subject to federal, state and/or local prevailing wage law the appropriate Davis-Bacon wage rate classification is identified based upon the work including within this contract. **The wage determination(s) current on the date 10 days before proposals are due shall apply to this contract.** The U.S. Department of Labor (DOL) has provided explanations to assist with classification in the following resource link: [www.wdol.gov](http://www.wdol.gov).

For the purposes of this RFP the Construction Type of Highway (Building, Heavy, Highway or Residential) will apply.

## **K. CONFLICT OF INTEREST DISCLOSURE**

The City of Ann Arbor Purchasing Policy requires that the consultant complete a Conflict of Interest Disclosure form. A contract may not be awarded to the selected bidder unless and until the Procurement Unit and the City Administrator have reviewed the Disclosure form and determined that no conflict exists under applicable federal, state, or local law or administrative regulation. Not every relationship or situation disclosed on the Disclosure Form may be a disqualifying conflict. Depending on applicable law and regulations, some contracts may awarded on the recommendation of the City Administrator after full disclosure, where such action is allowed by law, if demonstrated competitive pricing exists and/or it is determined the award is in the best interest of the City. A copy of the Conflict of Interest Disclosure Form is attached.

## **L. COST LIABILITY**

The City of Ann Arbor assumes no responsibility or liability for costs incurred by the bidder prior to the execution of an Agreement. The liability of the City is limited to the terms and conditions outlined in the Agreement. By submitting a proposal, bidder agrees to bear all costs incurred or related to the preparation, submission, and selection process for the proposal.

## **M. DEBARMENT**

Submission of a proposal in response to this RFP is certification that the Respondent is not currently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from participation in this transaction by any State or Federal departments or agency. Submission is also agreement that the City will be notified of any changes in this status.

## **N. PROPOSAL PROTEST**

All proposal protests must be in writing and filed with the Purchasing Manager within five (5) business days of the award action. The bidder must clearly state the reasons for the protest. If any bidder contacts a City Service Area/Unit and indicates a desire to protest an award, the Service Area/Unit shall refer the bidder to the Purchasing Manager. The Purchasing Manager will provide the bidder with the appropriate instructions for filing the protest. The protest shall be reviewed by the City Administrator or designee, whose decision shall be final.

Any inquiries or requests regarding this procurement should be only submitted in writing to the Designated City Contacts provided herein. Attempts by the bidder to initiate contact with anyone other than the Designated City Contacts provided herein that the bidder believes can influence the procurement decision, e.g., Elected Officials, City Administrator, Selection Committee Members, Appointed Committee Members, etc., may lead to immediate elimination from further consideration.

## O. SCHEDULE

The following is the schedule for this RFP process.

<b>Activity/Event</b>	<b>Anticipated Date</b>
Written Question Deadline	October 4, 2022, 1:00 p.m. (Local Time)
Addenda Published (if needed)	Week of October 10, 2022
Proposal Due Date	October 20, 2022, 2:00 p.m. (Local Time)
Selection/Negotiations	October/November 2022
Expected City Council Authorizations	November/December 2022

The above schedule is for information purposes only and is subject to change at the City's discretion.

## P. IRS FORM W-9

The selected bidder will be required to provide the City of Ann Arbor an IRS form W-9.

## Q. RESERVATION OF RIGHTS

1. The City reserves the right in its sole and absolute discretion to accept or reject any or all proposals, or alternative proposals, in whole or in part, with or without cause.
2. The City reserves the right to waive, or not waive, informalities or irregularities in terms or conditions of any proposal if determined by the City to be in its best interest.
3. The City reserves the right to request additional information from any or all bidders.
4. The City reserves the right to reject any proposal that it determines to be unresponsive and deficient in any of the information requested within RFP.
5. The City reserves the right to determine whether the scope of the project will be entirely as described in the RFP, a portion of the scope, or a revised scope be implemented.
6. The City reserves the right to select one or more contractors or service providers to perform services.
7. The City reserves the right to retain all proposals submitted and to use any ideas in a proposal regardless of whether that proposal is selected. Submission of a proposal indicates acceptance by the firm of the conditions contained in this RFP, unless clearly and specifically noted in the proposal submitted.
8. The City reserves the right to disqualify proposals that fail to respond to any requirements outlined in the RFP, or failure to enclose copies of the required documents outlined within the RFP.

## **R. IDLEFREE ORDINANCE**

The City of Ann Arbor adopted an idling reduction Ordinance that went into effect July 1, 2017. The full text of the ordinance (including exemptions) can be found at: [www.a2gov.org/idlefree](http://www.a2gov.org/idlefree).

Under the ordinance, No Operator of a Commercial Vehicle shall cause or permit the Commercial Vehicle to Idle:

- (a) For any period of time while the Commercial Vehicle is unoccupied; or
- (b) For more than 5 minutes in any 60-minute period while the Commercial Vehicle is occupied.

In addition, generators and other internal combustion engines are covered

- (1) Excluding Motor Vehicle engines, no internal combustion engine shall be operated except when it is providing power or electrical energy to equipment or a tool that is actively in use.

## **S. ENVIRONMENTAL COMMITMENT**

The City of Ann Arbor recognizes its responsibility to minimize negative impacts on human health and the environment while supporting a vibrant community and economy. The City further recognizes that the products and services the City buys have inherent environmental and economic impacts and that the City should make procurement decisions that embody, promote, and encourage the City's commitment to the environment.

The City encourages potential vendors to bring forward emerging and progressive products and services that are best suited to the City's environmental principles.

## **T. BID SECURITY**

Each bid must be accompanied by a certified check, or Bid Bond by a surety licensed and authorized to do business within the State of Michigan, in the amount of 5% of the total of the bid price.

## **U. MAJOR SUBCONTRACTORS**

The Bidder shall identify each major subcontractor it expects to engage for this Contract if the work to be subcontracted is 15% or more of the bid sum or over \$50,000, whichever is less. The Bidder also shall identify the work to be subcontracted to each major subcontractor. The Bidder shall not change or replace a subcontractor without approval by the City.

## **V. LIQUIDATED DAMAGES**

A liquidated damages clause, as given on page C-2, Article III of the Contract, provides that the Contractor shall pay the City as liquidated damages, and not as a penalty, a sum certain

per day for each and every day that the Contractor may be in default of completion of the specified work, within the time(s) stated in the Contract, or written extensions.

Liquidated damages clauses, as given in the General Conditions, provide further that the City shall be entitled to impose and recover liquidated damages for breach of the obligations under Chapter 112 of the City Code.

The liquidated damages are for the non-quantifiable aspects of any of the previously identified events and do not cover actual damages that can be shown or quantified nor are they intended to preclude recovery of actual damages in addition to the recovery of liquidated damages.

## **SECTION II - SCOPE OF WORK**

**Please see the plan set and detailed specifications for more details.**

## **SECTION III - MINIMUM INFORMATION REQUIRED**

### **PROPOSAL FORMAT**

The following describes the elements that should be included in each of the proposal sections and the weighted point system that will be used for evaluation of the proposals.

Bidders should organize Proposals into the following Sections:

- A. Qualifications, Experience and Accountability
- B. Workplace Safety
- C. Workforce Development
- D. Social Equity and Sustainability
- E. Schedule of Pricing/Cost
- F. Authorized Negotiator
- G. Attachments

*Bidders are strongly encouraged to provide details for all of the information requested below within initial proposals. Backup documentation may be requested at the sole discretion of the City to validate all of the responses provided herein by bidders. False statements by bidders to any of the criteria provided herein will result in the proposal being considered non-responsive and will not be considered for award.*

Pursuant to Sec 1:314(9) of the City Code which sets forth requirements for evaluating construction bids, Bidders should submit the following:

#### **A. Qualifications, Experience and Accountability - 20 Points**

1. Qualifications and experience of the bidder and of key persons, management, and supervisory personnel to be assigned by the bidder.
2. References from individuals or entities the bidder has worked for within the last five (5) years including information regarding records of performance and job site cooperation.
3. Evidence of any quality assurance program used by the bidder and the results of any such program on the bidder's previous projects.
4. A statement from the bidder as to any major subcontractors it expects to engage including the name, work, and amount.



**B. Workplace Safety – 20 Points**

1. Documentation of an on-going, Michigan OSHA-approved safety-training program for employees to be used on the proposed job site.
2. Evidence of the bidder's worker's compensation Experience Modification Rating ("EMR"). Preference within this criterion will be given to an EMR of 1.0 or less based on a three-year average.
3. Evidence that all craft labor that will be employed by the bidder for the project has, or will have prior to project commencement, completed at least the OSHA 10-hour training course for safety established by the U.S. Department of Labor, Occupational Safety & Health Administration.
4. The safety record of bidder and major subcontractors, including OSHA, MIOSHA, or other safety violations.

**C. Workforce Development – 20 Points**

1. The ratio of masters or journeypersons to apprentices proposed to be used on the construction project job site, if apprentices are to be used on the project.
2. Documentation as to bidder's pay rates, health insurance, pension or other retirement benefits, paid leave, or other fringe benefits to its employees.
3. Documentation that the bidder participates in a Registered Apprenticeship Program that is registered with the United States Department of Labor Office of Apprenticeship or by a State Apprenticeship Agency recognized by the USDOL Office of Apprenticeship.

**D. Social Equity and Sustainability – 20 Points**

1. A statement from the bidder as to what percentage of its workforce resides in the City of Ann Arbor and in Washtenaw County, Michigan. The City will consider in evaluating which bids best serve its interests, the extent to which responsible and qualified bidders are able to achieve this goal.
2. Evidence of Equal Employment Opportunity Programs for minorities, women, veterans, returning citizens, and small businesses.

3. Evidence that the bidder is an equal opportunity employer and does not discriminate on the basis of race, sex, pregnancy, age, religion, national origin, marital status, sexual orientation, gender identity or expression, height, weight, or disability.
4. The bidder's proposed use of sustainable products, technologies, or practices for the project, which reduce the impact on human health and the environment, including raw materials acquisition, production, manufacturing, packaging, distribution, reuse, operation, maintenance, and waste management.
5. The bidder's environmental record, including findings of violations and penalties imposed by government agencies.

**E. Schedule of Pricing/Cost – 20 Points**

Company: \_\_\_\_\_

**Unit Price Bid**



**AIA**

# Document A310™ – 2010

## Bid Bond

**CONTRACTOR:**

*(Name, legal status and address)*

**INSITUFORM TECHNOLOGIES USA, LLC**  
580 Goddard Avenue  
Chesterfield, MO 63005

**OWNER:**

*(Name, legal status and address)*

**Ann Arbor, MI**  
301 East Huron Street  
Ann Arbor, MI 48107

**SURETY:**

*(Name, legal status and principal place of business)*

**Travelers Casualty And Surety Company Of America**  
One Tower Square  
Hartford, CT 06183

**Mail Notices To:**

**Travelers**  
Attn: Surety Claim Dept.  
One Tower Square 2S1A  
Hartford, CT 06183

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

**BOND AMOUNT:** Five Percent of the Amount Bid ----- dollars (\$ 5% of Amount Bid)

**PROJECT:** High Level Trunkline Sanitary Sewer Rehabilitation PH 2 (File # 2022-024); RFP No. 22-70

*(Name, location or address, and Project number, if any)*

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 20<sup>th</sup> day of October, 2022.

Janet Hass  
*(Witness)*

INSITUFORM TECHNOLOGIES USA, LLC (Seal)  
*(Principal)*  
Ursula J. Youngblood  
*(Title) Ursula Youngblood, Contracting & Attesting Officer*

Ashley Miller  
*(Witness) Ashley Miller, Witness*

Travelers Casualty And Surety Company Of America (Seal)  
*(Surety)*  
Andrew P. Thome  
*(Title) Andrew P. Thome, Attorney-In-Fact*

State of Missouri  
County of St. Louis

On 10/20/2022, before me, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared Andrew P. Thome known to me to be Attorney-in-Fact of

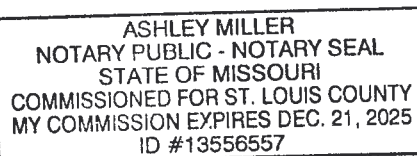
## TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.



\_\_\_\_\_  
Ashley Miller, Notary Public



My Commission Expires: \_\_\_\_\_



**Travelers Casualty and Surety Company of America  
Travelers Casualty and Surety Company  
St. Paul Fire and Marine Insurance Company**

**POWER OF ATTORNEY**

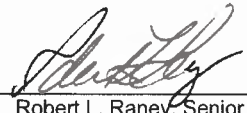
**KNOW ALL MEN BY THESE PRESENTS:** That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **ANDREW P THOME** of **CHESTERFIELD**, Missouri, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

**IN WITNESS WHEREOF**, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April**, 2021.



State of Connecticut

City of Hartford ss.

By:   
Robert L. Raney, Senior Vice President

On this the **21st** day of **April**, 2021, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

**IN WITNESS WHEREOF**, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, 2026



  
Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

**RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

**FURTHER RESOLVED**, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

**FURTHER RESOLVED**, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **20** day of **October**, 2022



  
Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.  
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.**

BID FORM  
Schedule of Prices  
Project: RFP # 22-70 - High Level Trunkline Sanitary Sewer Lining Ph. 2

LINE No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT (\$)
130	Protective Fencing	LF	200	\$ 9.50	\$ 1,900.00 -
200	General Conditions, Modified, Maximum \$100,000	LS	1	\$ 92,329.30	\$ 92,329.30 -
201	Project Supervision, Modified, Maximum \$50,000	LS	1	\$ 45,000.00	\$ 45,000.00 -
202	Audiovisual Tape Coverage, Modified	LS	1	\$ 4,922.30	\$ 4,922.30 -
203	Minor Traffic Control, Modified, Maximum \$100,000	LS	1	\$ 529.30	\$ 529.30 -
204	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	EA	20	\$ 142.90	\$ 2,858.00 -
205	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	EA	20	\$ 4.80	\$ 96.00 -
206	Channelizing Device, 42 inch, Furn	EA	200	\$ 26.70	\$ 5,340.00 -
207	Channelizing Device, 42 inch, Oper	EA	200	\$ 1.00	\$ 200.00 -
208	Lighted Arrow, Type C, Furn	EA	4	\$ 1,048.00	\$ 4,192.00 -
209	Lighted Arrow, Type C, Oper	EA	4	\$ 47.60	\$ 190.40 -
210	Plastic Drum, High Intensity, Lighted, Furn	EA	200	\$ 36.20	\$ 7,240.00 -
211	Plastic Drum, High Intensity, Lighted, Oper	EA	200	\$ 1.00	\$ 200.00 -
212	Sign, Type B, Temp, Prismatic, Furn	SF	1,000	\$ 4.90	\$ 4,900.00 -
213	Sign, Type B, Temp, Prismatic, Oper	SF	1,000	\$ 0.10	\$ 100.00 -
214	"No Parking" Sign	EA	30	\$ 68.80	\$ 2,064.00 -
215	Sewer Flow Control	LS	1	\$ 1,113,876.00	\$ 1,113,876.00 -
216	Clean 15-inch Dia. Sanitary Sewer	LF	1,980	\$ 7.60	\$ 15,048.00 -
217	Clean 30-inch Dia. Sanitary Sewer	LF	4,294	\$ 20.10	\$ 86,309.40 -
220	Level 2 MACP Inspect Manhole	EA	25	\$ 423.40	\$ 10,585.00 -
221	Removal and Disposal of Sludge and Debris Material	Ton	100	\$ 105.90	\$ 10,590.00 -
222	CIPP Line 15 inch Dia. Sanitary Sewer	LF	1980	\$ 134.70	\$ 266,706.00 -
223	CIPP Line 30 inch Dia. Sanitary Sewer	LF	4294	\$ 537.40	\$ 2,264,655.60 -
226	Preline 15 inch Dia. Sanitary Sewer	LF	500	\$ 2.80	\$ 1,400.00 -
227	Preline 30 inch Dia. Sanitary Sewer	LF	500	\$ 6.60	\$ 3,300.00 -
228	Rem. Concrete Curb or Curb and Gutter, Any Type, Modified	LF	200	\$ 40.20	\$ 8,040.00 -
229	Rem. Concrete Sidewalk, Ramp and Drive, Any Thickness, Modified	SFT	200	\$ 15.90	\$ 3,180.00 -
230	Aggregate Base	TON	200	\$ 111.10	\$ 22,220.00 -
231	Hand Patching	TON	200	\$ 656.30	\$ 131,260.00 -
232	Concrete Curb or Curb & Gutter – Any Type	LF	200	\$ 79.40	\$ 15,880.00 -
233	4" Concrete Sidewalk, Modified	SFT	100	\$ 26.50	\$ 2,650.00 -
234	6" Concrete Sidewalk, Ramp, Drive Approach, Modified	SFT	100	\$ 31.80	\$ 3,180.00 -
235	6" Concrete Sidewalk, Ramp, Drive Approach, High Early	SFT	100	\$ 37.00	\$ 3,700.00 -
236	Concrete Type M Drive Opening, High Early	LF	100	\$ 95.30	\$ 9,530.00 -
237	Inlet Filter, Special	Each	30	\$ 180.00	\$ 5,400.00 -
238	Internal Chimney Seal	Each	15	\$ 344.00	\$ 5,160.00 -
239	Reconstruct Flow Channel	Each	15	\$ 582.20	\$ 8,733.00 -
240	Manhole Cementitious Liner	Vf	200	\$ 195.80	\$ 39,160.00 -
241	Clean-Up & Restoration, Special	LS	1	\$ 35,461.70	\$ 35,461.70 -
290	Certified Payroll Compliance and Reporting	LS	1	\$ 3,969.60	\$ 3,969.60 -

**Total Base Bid \$ 4,242,055.60**

**ATTACHMENT B**  
**GENERAL DECLARATIONS**

City of Ann Arbor  
Guy C. Larcom Municipal Building  
Ann Arbor, Michigan 48107

Ladies and Gentlemen:

The undersigned, as Bidder, declares that this Bid is made in good faith, without fraud or collusion with any person or persons bidding on the same Contract; that this Bidder has carefully read and examined the bid documents, including City Nondiscrimination requirements and Declaration of Compliance Form, Living Wage requirements and Declaration of Compliance Form, Prevailing Wage requirements and Declaration of Compliance Form, Vendor Conflict of Interest Form, Notice of Pre-Bid Conference, General Information, Bid, Bid Forms, Contract, Bond Forms, General Conditions, Standard Specifications, Detailed Specifications, all Addenda, and the Plans (if applicable) and understands them. The Bidder declares that it conducted a full investigation at the site and of the work proposed and is fully informed as to the nature of the work and the conditions relating to the work's performance. The Bidder also declares that it has extensive experience in successfully completing projects similar to this one.

The Bidder acknowledges that it has not received or relied upon any representations or warranties of any nature whatsoever from the City of Ann Arbor, its agents or employees, and that this Bid is based solely upon the Bidder's own independent business judgment.

The undersigned proposes to perform all work shown on the plans or described in the bid documents, including any addenda issued, and to furnish all necessary machinery, tools, apparatus, and other means of construction to do all the work, furnish all the materials, and complete the work in strict accordance with all terms of the Contract of which this Bid is one part.

In accordance with these bid documents, and Addenda numbered N/A, the undersigned, as Bidder, proposes to perform at the sites in and/or around Ann Arbor, Michigan, all the work included herein for the amounts set forth in the Bid Forms.

The Bidder declares that it has become fully familiar with the liquidated damage clauses for completion times and for compliance with City Code Chapter 112, understands and agrees that the liquidated damages are for the non-quantifiable aspects of non-compliance and do not cover actual damages that may be shown and agrees that if awarded the Contract, all liquidated damage clauses form part of the Contract.

The Bidder declares that it has become fully familiar with the provisions of Chapter 14, Section 1:320 (Prevailing wages) and Chapter 23 (Living Wage) of the Code of the City of Ann Arbor and that it understands and agrees to comply, to the extent applicable to employees providing services to the City under this Contract, with the wage and reporting requirements stated in the City Code provisions cited. Bidder certifies that the statements contained in the City Prevailing Wage and Living Wage Declaration of Compliance Forms are true and correct. Bidder further agrees that the cited provisions of Chapter 14 and Chapter 23 form a part of this Contract.



The Bidder declares that it has become familiar with the City Conflict of Interest Disclosure Form and certifies that the statement contained therein is true and correct.

The Bidder encloses a certified check or Bid Bond in the amount of 5% of the total of the Bid Price. The Bidder agrees both to contract for the work and to furnish the necessary Bonds and insurance documentation within 10 days after being notified of the acceptance of the Bid.

If this Bid is accepted by the City and the Bidder fails to contract and furnish the required Bonds and insurance documentation within 10 days after being notified of the acceptance of this Bid, then the Bidder shall be considered to have abandoned the Contract and the certified check or Bid Bond accompanying this Bid shall become due and payable to the City.

If the Bidder enters into the Contract in accordance with this Bid, or if this Bid is rejected, then the accompanying check or Bid Bond shall be returned to the Bidder.

In submitting this Bid, it is understood that the right is reserved by the City to accept any Bid, to reject any or all Bids, to waive irregularities and/or informalities in any Bid, and to make the award in any manner the City believes to be in its best interest.

SIGNED THIS 20th DAY OF October, 2022

INSITUFORM TECHNOLOGIES USA, LLC.  
Bidder's Name

580 Goddard Avenue  
Chesterfield, MO 63005

Official Address

636/530-8000  
Telephone Number

*Ursula J. Youngblood*  
Authorized Signature of Bidder

Ursula J. Youngblood, Contracting & Attesting Officer  
(Print Name of Signer Above)

UYoungblood@Aegion.com  
Email Address for Award Notice



**ATTACHMENT C**  
**LEGAL STATUS OF BIDDER**

(The bidder shall fill out the appropriate form and strike out the other three.)

Bidder declares that it is:

~~\* A corporation organized and doing business under the laws of the State of \_\_\_\_\_  
\_\_\_\_\_ for whom \_\_\_\_\_ bearing the office title  
of \_\_\_\_\_ whose signature is affixed to this Bid, is authorized to execute contracts.~~

NOTE: If not incorporated in Michigan, please attach the corporation's Certificate of Authority

• A limited liability company doing business under the laws of the State of Delaware,  
whom Ursula J. Youngblood bearing the title of Contracting & Attesting Officer  
whose signature is affixed to this proposal, is authorized to execute contract on behalf of the  
LLC.

~~\* A partnership organized under the laws of the state of \_\_\_\_\_ and filed in the county  
of \_\_\_\_\_ whose members are (list all members and the street and mailing address of  
each) (attach separate sheet if necessary)~~

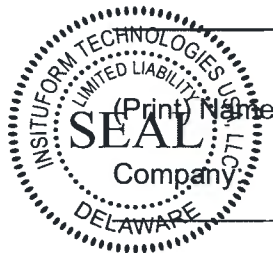
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

~~\* An individual whose signature with address is affixed to this Bid \_\_\_\_\_  
(initial here)~~

**Authorized Official**

*Ursula J. Youngblood*

Date 20 October, 2022



(Print) Name Ursula J. Youngblood Title Contracting & Attesting Officer

INSITUFORM TECHNOLOGIES USA, LLC.

Address: 580 Goddard Avenue, Chesterfield, Missouri 63005

Contact Phone ( ) 636/530-8000 Fax ( ) none

Email UYoungblood@Aegion.com

**ATTACHMENT D**  
**PREVAILING WAGE DECLARATION OF COMPLIANCE**

The "wage and employment requirements" of Section 1:320 of Chapter 14 of Title I of the Ann Arbor City Code mandates that the city not enter any contract, understanding or other arrangement for a public improvement for or on behalf of the city unless the contract provides that all craftsmen, mechanics and laborers employed directly on the site in connection with said improvements, including said employees of subcontractors, shall receive the prevailing wage for the corresponding classes of craftsmen, mechanics and laborers, as determined by statistics for the Ann Arbor area compiled by the United States Department of Labor. Where the contract and the Ann Arbor City Code are silent as to definitions of terms required in determining contract compliance with regard to prevailing wages, the definitions provided in the Davis-Bacon Act as amended (40 U.S.C. 278-a to 276-a-7) for the terms shall be used. Further, to the extent that any employees of the contractor providing services under this contract are not part of the class of craftsmen, mechanics and laborers who receive a prevailing wage in conformance with section 1:320 of Chapter 14 of Title I of the Code of the City of Ann Arbor, employees shall be paid a prescribed minimum level of compensation (i.e. Living Wage) for the time those employees perform work on the contract in conformance with section 1:815 of Chapter 23 of Title I of the Code of the City of Ann Arbor.

At the request of the city, any contractor or subcontractor shall provide satisfactory proof of compliance with this provision.

The Contractor agrees:

- (a) To pay each of its employees whose wage level is required to comply with federal, state or local prevailing wage law, for work covered or funded by this contract with the City,
- (b) To require each subcontractor performing work covered or funded by this contract with the City to pay each of its employees the applicable prescribed wage level under the conditions stated in subsection (a) or (b) above.
- (c) To provide to the City payroll records or other documentation within ten (10) business days from the receipt of a request by the City.
- (d) To permit access to work sites to City representatives for the purposes of monitoring compliance, and investigating complaints or non-compliance.

The undersigned states that he/she has the requisite authority to act on behalf of his/her employer in these matters and has offered to provide the services in accordance with the terms of the wage and employment provisions of the Chapter 14 of the Ann Arbor City Code. The undersigned certifies that he/she has read and is familiar with the terms of Section 1:320 of Chapter 14 of the Ann Arbor City Code and by executing this Declaration of Compliance obligates his/her employer and any subcontractor employed by it to perform work on the contract to the wage and employment requirements stated herein. The undersigned further acknowledges and agrees that if it is found to be in violation of the wage and employment requirements of Section 1:320 of the Chapter 14 of the Ann Arbor City Code it shall have been deemed a material breach of the terms of the contract and grounds for termination of same by the City.

INSITUFORM TECHNOLOGIES USA, LLC.

Company Name

Ursula J. Youngblood.  
Signature of Authorized Representative

20 October 2022  
Date



Ursula J. Youngblood, Contracting & Attesting Officer

Print Name and Title

580 Goddard Avenue, Chesterfield, MO 63005

Address, City, State, Zip

636/530-8000

Phone/Email address

Questions about this form? Contact Procurement Office City of Ann Arbor Phone: 734/794-6500

**ATTACHMENT E**  
**LIVING WAGE ORDINANCE DECLARATION OF COMPLIANCE**

The Ann Arbor Living Wage Ordinance (Section 1:811-1:821 of Chapter 23 of Title I of the Code) requires that an employer who is (a) a contractor providing services to or for the City for a value greater than \$10,000 for any twelve-month contract term, or (b) a recipient of federal, state, or local grant funding administered by the City for a value greater than \$10,000, or (c) a recipient of financial assistance awarded by the City for a value greater than \$10,000, shall pay its employees a prescribed minimum level of compensation (i.e., Living Wage) for the time those employees perform work on the contract or in connection with the grant or financial assistance. The Living Wage must be paid to these employees for the length of the contract/program.

Companies employing fewer than 5 persons and non-profits employing fewer than 10 persons are exempt from compliance with the Living Wage Ordinance. If this exemption applies to your company/non-profit agency please check here  No. of employees     

The Contractor or Grantee agrees:

- (a) To pay each of its employees whose wage level is not required to comply with federal, state or local prevailing wage law, for work covered or funded by a contract with or grant from the City, no less than the Living Wage. The current Living Wage is defined as \$14.82/hour for those employers that provide employee health care (as defined in the Ordinance at Section 1:815 Sec. 1 (a)), or no less than \$16.52/hour for those employers that do not provide health care. The Contractor or Grantor understands that the Living Wage is adjusted and established annually on April 30 in accordance with the Ordinance and covered employers shall be required to pay the adjusted amount thereafter to be in compliance with Section 1:815(3).

**Check the applicable box below which applies to your workforce**

Employees who are assigned to any covered City contract/grant will be paid at or above the applicable living wage without health benefits

Employees who are assigned to any covered City contract/grant will be paid at or above the applicable living wage with health benefits

- (b) To post a notice approved by the City regarding the applicability of the Living Wage Ordinance in every work place or other location in which employees or other persons contracting for employment are working.
- (c) To provide to the City payroll records or other documentation within ten (10) business days from the receipt of a request by the City.
- (d) To permit access to work sites to City representatives for the purposes of monitoring compliance, and investigating complaints or non-compliance.
- (e) To take no action that would reduce the compensation, wages, fringe benefits, or leave available to any employee covered by the Living Wage Ordinance or any person contracted for employment and covered by the Living Wage Ordinance in order to pay the living wage required by the Living Wage Ordinance.

The undersigned states that he/she has the requisite authority to act on behalf of his/her employer in these matters and has offered to provide the services or agrees to accept financial assistance in accordance with the terms of the Living Wage Ordinance. The undersigned certifies that he/she has read and is familiar with the terms of the Living Wage Ordinance, obligates the Employer/Grantee to those terms and acknowledges that if his/her employer is found to be in violation of Ordinance it may be subject to civil penalties and termination of the awarded contract or grant of financial assistance.

INSITUFORM TECHNOLOGIES USA, LLC.  
Company Name

580 Goddard Avenue  
Street Address

Ursula J. Youngblood October 2022  
Signature of Authorized Representative Date

Chesterfield, MO 63005  
City, State, Zip

Ursula J. Youngblood, Contracting & Attesting Officer  
Print Name and Title

636/530-8000 UYoungblood@Aegion.com  
Phone/Email address



## Attachment F

# CITY OF ANN ARBOR LIVING WAGE ORDINANCE

**RATE EFFECTIVE APRIL 30, 2022 - ENDING APRIL 29, 2023**

**\$14.82 per hour**

If the employer provides health care benefits\*

**\$16.52 per hour**

If the employer does **NOT** provide health care benefits\*

Employers providing services to or for the City of Ann Arbor or recipients of grants or financial assistance from the City of Ann Arbor for a value of more than \$10,000 in a twelve-month period of time must pay those employees performing work on a City of Ann Arbor contract or grant, the above living wage.

## **ENFORCEMENT**

The City of Ann Arbor may recover back wages either administratively or through court action for the employees that have been underpaid in violation of the law. Persons denied payment of the living wage have the right to bring a civil action for damages in addition to any action taken by the City.

Violation of this Ordinance is punishable by fines of not more than \$500/violation plus costs, with each day being considered a separate violation. Additionally, the City of Ann Arbor has the right to modify, terminate, cancel or suspend a contract in the event of a violation of the Ordinance.

\* Health Care benefits include those paid for by the employer or making an employer contribution toward the purchase of health care. The employee contribution must not exceed \$.50 an hour for an average work week; and the employer cost or contribution must equal no less than \$1/hr for the average work week.

**The Law Requires Employers to Display This Poster Where Employees Can Readily See It.**

**For Additional Information or to File a Complaint contact  
Colin Spencer at 734/794-6500 or [cspencer@a2gov.org](mailto:cspencer@a2gov.org)**





**ATTACHEMENT G**

**Vendor Conflict of Interest Disclosure Form**

All vendors interested in conducting business with the City of Ann Arbor must complete and return the Vendor Conflict of Interest Disclosure Form in order to be eligible to be awarded a contract. Please note that all vendors are subject to comply with the City of Ann Arbor's conflict of interest policies as stated within the certification section below.

If a vendor has a relationship with a City of Ann Arbor official or employee, an immediate family member of a City of Ann Arbor official or employee, the vendor shall disclose the information required below.

1. No City official or employee or City employee's immediate family member has an ownership interest in vendor's company or is deriving personal financial gain from this contract.
2. No retired or separated City official or employee who has been retired or separated from the City for less than one (1) year has an ownership interest in vendor's Company.
3. No City employee is contemporaneously employed or prospectively to be employed with the vendor.
4. Vendor hereby declares it has not and will not provide gifts or hospitality of any dollar value or any other gratuities to any City employee or elected official to obtain or maintain a contract.
5. Please note any exceptions below:

Conflict of Interest Disclosure*	
Name of City of Ann Arbor employees, elected officials or immediate family members with whom there may be a potential conflict of interest.	<input type="checkbox"/> Relationship to employee <hr/> <input type="checkbox"/> Interest in vendor's company <input type="checkbox"/> Other (please describe in box below)

\*Disclosing a potential conflict of interest does not disqualify vendors. In the event vendors do not disclose potential conflicts of interest and they are detected by the City, vendor will be exempt from doing business with the City.

I certify that this Conflict of Interest Disclosure has been examined by me and that its contents are true and correct to my knowledge and belief and I have the authority to so certify on behalf of the Vendor by my signature below:		
INSITUFORM TECHNOLOGIES USA, LLC	636/530-8000	
<b>Vendor Name</b>	<b>Vendor Phone Number</b>	
	20 October 2022	Ursula J. Youngblood
<b>Signature of Vendor Authorized Representative</b>	<b>Date</b>	<b>Printed Name of Vendor Authorized Representative</b>



**ATTACHMENT H**

**DECLARATION OF COMPLIANCE**

Non-Discrimination Ordinance

The "non discrimination by city contractors" provision of the City of Ann Arbor Non-Discrimination Ordinance (Ann Arbor City Code Chapter 112, Section 9:158) requires all contractors proposing to do business with the City to treat employees in a manner which provides equal employment opportunity and does not discriminate against any of their employees, any City employee working with them, or any applicant for employment on the basis of actual or perceived age, arrest record, color, disability, educational association, familial status, family responsibilities, gender expression, gender identity, genetic information, height, HIV status, marital status, national origin, political beliefs, race, religion, sex, sexual orientation, source of income, veteran status, victim of domestic violence or stalking, or weight. It also requires that the contractors include a similar provision in all subcontracts that they execute for City work or programs.

In addition the City Non-Discrimination Ordinance requires that all contractors proposing to do business with the City of Ann Arbor must satisfy the contract compliance administrative policy adopted by the City Administrator. A copy of that policy may be obtained from the Purchasing Manager

The Contractor agrees:

- (a) To comply with the terms of the City of Ann Arbor's Non-Discrimination Ordinance and contract compliance administrative policy, including but not limited to an acceptable affirmative action program if applicable.
- (b) To post the City of Ann Arbor's Non-Discrimination Ordinance Notice in every work place or other location in which employees or other persons are contracted to provide services under a contract with the City.
- (c) To provide documentation within the specified time frame in connection with any workforce verification, compliance review or complaint investigation.
- (d) To permit access to employees and work sites to City representatives for the purposes of monitoring compliance, or investigating complaints of non-compliance.

The undersigned states that he/she has the requisite authority to act on behalf of his/her employer in these matters and has offered to provide the services in accordance with the terms of the Ann Arbor Non-Discrimination Ordinance. The undersigned certifies that he/she has read and is familiar with the terms of the Non-Discrimination Ordinance, obligates the Contractor to those terms and acknowledges that if his/her employer is found to be in violation of Ordinance it may be subject to civil penalties and termination of the awarded contract.

**INSITUFORM TECHNOLOGIES USA, LLC.**

Company Name

Ursula J. Youngblood · 20 October 2022  
Signature of Authorized Representative Date



**Ursula J. Youngblood, Contracting & Attesting Officer**

Print Name and Title

**580 Goddard Avenue, Chesterfield, MO 63005**

Address, City, State, Zip

**636/530-8000 UYoungblood@Aegion.com**

Phone/Email Address

**Questions about the Notice or the City Administrative Policy, Please contact:**  
Procurement Office of the City of Ann Arbor  
(734) 794-6500



## ATTACHMENT I

### **CITY OF ANN ARBOR NON-DISCRIMINATION ORDINANCE**

Relevant provisions of Chapter 112, Nondiscrimination, of the Ann Arbor City Code are included below.  
You can review the entire ordinance at [www.a2gov.org/humanrights](http://www.a2gov.org/humanrights).

**Intent:** It is the intent of the city that no individual be denied equal protection of the laws; nor shall any individual be denied the enjoyment of his or her civil or political rights or be discriminated against because of actual or perceived age, arrest record, color, disability, educational association, familial status, family responsibilities, gender expression, gender identity, genetic information, height, HIV status, marital status, national origin, political beliefs, race, religion, sex, sexual orientation, source of income, veteran status, victim of domestic violence or stalking, or weight.

**Discriminatory Employment Practices:** No person shall discriminate in the hire, employment, compensation, work classifications, conditions or terms, promotion or demotion, or termination of employment of any individual. No person shall discriminate in limiting membership, conditions of membership or termination of membership in any labor union or apprenticeship program.

**Discriminatory Effects:** No person shall adopt, enforce or employ any policy or requirement which has the effect of creating unequal opportunities according to actual or perceived age, arrest record, color, disability, educational association, familial status, family responsibilities, gender expression, gender identity, genetic information, height, HIV status, marital status, national origin, political beliefs, race, religion, sex, sexual orientation, source of income, veteran status, victim of domestic violence or stalking, or weight for an individual to obtain housing, employment or public accommodation, except for a bona fide business necessity. Such a necessity does not arise due to a mere inconvenience or because of suspected objection to such a person by neighbors, customers or other persons.

**Nondiscrimination by City Contractors:** All contractors proposing to do business with the City of Ann Arbor shall satisfy the contract compliance administrative policy adopted by the City Administrator in accordance with the guidelines of this section. All city contractors shall ensure that applicants are employed and that employees are treated during employment in a manner which provides equal employment opportunity and tends to eliminate inequality based upon any classification protected by this chapter. All contractors shall agree not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of any applicable protected classification. All contractors shall be required to post a copy of Ann Arbor's Non-Discrimination Ordinance at all work locations where its employees provide services under a contract with the city.

**Complaint Procedure:** If any individual believes there has been a violation of this chapter, he/she may file a complaint with the City's Human Rights Commission. The complaint must be filed within 180 calendar days from the date of the individual's knowledge of the allegedly discriminatory action or 180 calendar days from the date when the individual should have known of the allegedly discriminatory action. A complaint that is not filed within this timeframe cannot be considered by the Human Rights Commission. To file a complaint, first complete the complaint form, which is available at [www.a2gov.org/humanrights](http://www.a2gov.org/humanrights). Then submit it to the Human Rights Commission by e-mail ([hrc@a2gov.org](mailto:hrc@a2gov.org)), by mail (Ann Arbor Human Rights Commission, PO Box 8647, Ann Arbor, MI 48107), or in person (City Clerk's Office). For further information, please call the commission at 734-794-6141 or e-mail the commission at [hrc@a2gov.org](mailto:hrc@a2gov.org).

**Private Actions For Damages or Injunctive Relief:** To the extent allowed by law, an individual who is the victim of discriminatory action in violation of this chapter may bring a civil action for appropriate injunctive relief or damages or both against the person(s) who acted in violation of this chapter.

THIS IS AN OFFICIAL GOVERNMENT NOTICE AND  
MUST BE DISPLAYED WHERE EMPLOYEES CAN READILY SEE IT.



**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

**1 of 8**

**a. General.-** As detailed elsewhere in the Contract Documents and Drawings the work of this project is to be performed in a sensitive, valuable, natural area within the City of Ann Arbor (City). This Detailed Specification sets forth criteria that will be used by the City in determining if the Contractor has the necessary personnel, equipment, and experience to perform the work of this project.

**b. Documentation to be provided.-** The Contractor Qualifications detailed in this specification apply to the following items:

- Sewer Televising and Cleaning
- Cured-In-Place Pipe (CIPP) Lining
- Onsite Superintendent/Foreman

Contractor to complete the attached Reference Form and submit it as part of the bid submittal. **Not filling out the form or providing past experience may result in disqualification of the bid.** If subcontractors are to be used for any of the above items, they are to fill out a separate form.

The projects and total footage claimed to have been performed by the Contractor shall be supported by owner references. The Contractor shall submit information to document their experience.

1. **Sewer Televising and Cleaning.-** The Contractor performing the sewer televising and cleaning shall be fully qualified, experienced, and equipped to complete this work as shown on the Drawings and as indicated in the specifications. The Contractor shall have cleaned and televised a minimum of 100,000 lineal feet of sanitary sewers equal to or greater than 36 inches in diameter with lengths of the individual segments over 1,000 feet each in the past 7 years. The Contractor shall also have cleaned and televised at least 3 sanitary siphon sewers equal to or greater than 24 inches in diameter in the past 7 years. The Contractor shall have also worked a minimum of three projects in similar environmentally sensitive areas in the past 7 years. The Contractor shall provide detailed description of these environmentally sensitive projects and methods used to mitigate the work upon request of the Engineer.

2. **Sewer CIPP Lining.-** The Contractor performing the CIPP lining work shall be fully qualified, experienced, and equipped to complete this work expeditiously and in a satisfactory manner and shall be certified and/or licensed as an installer by the CIPP manufacturer. The Contractor shall have installed a minimum of 10,000 lineal feet of CIPP in sanitary sewers equal to or greater than 36 inches in diameter in the past 7 years and over 1,000,000 feet of lining in general over the past 7 years. Installations must have been in northern states and/or Canada. Contractor must also provide safety record for the past 7 years.

3. **Onsite Superintendent/Foreman.-** The full-time, onsite superintendent/ foreman shall be responsible for supervising all the work onsite, including but not limited to, the diversion of sanitary flow, bypass pumping, sewer televising and cleaning, and sewer CIPP lining, shall have supervised a minimum of 3 projects of this complexity in the past 7 years and shall have installed a minimum of 10,000 lineal feet of CIPP in sanitary sewers greater than 24 inches in diameter in the past 7 years.

DS- 1

**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

2 of 8

**1. Sewer Televising and Cleaning References**  
(Must be completed and submitted with Bid for consideration)

List sewer cleaning and televising projects of sewers equal to or greater than 36 inches in size that total (together) over 100,000 lineal feet with the lengths of the individual segments over 1,000 feet in the past 7 years and provide references. Also, list a minimum of 3 projects that include the cleaning and televising of the sanitary siphon sewers equal to or greater than 24 inches in size in the past 7 years and provide references. The Contractor shall have also worked a minimum of three projects in similar environmentally sensitive areas in the past 7 years.

Firm's Name: INSITUFORM TECHNOLOGIES USA, LLC.

Role on Project: Sewer Televising and Cleaning

1.1. Client's Name: SEE ATTACHED REPORTS:

Address: OVER 1,000,000 Feet of Lining in General  
Northern States Closed Projects 36" or Larger

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

1.2. Client's Name: SEE ATTACHED REPORTS:

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

1.3. Client's Name: SEE ATTACHED REPORTS:

DS- 2

**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

3 of 8

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

1.4. Client's Name: SEE ATTACHED REPORTS: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

1.5. Client's Name: SEE ATTACHED REPORTS: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

1.6. Client's Name: SEE ATTACHED REPORTS: \_\_\_\_\_

DS- 3

Address: \_\_\_\_\_

**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

4 of 8

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

1.7. Client's Name: **SEE ATTACHED REPORTS:** \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

5 of 8

**2. Sewer CIPP Lining References**

(Must be completed and submitted with Bid for consideration)

**List sewer CIPP lining projects of sewers equal to or greater than 36 inches in diameter that total (together) over 10,000 lineal feet in northern states and/or Canada in the past 7 years and over 1,000,000 feet of lining in general over the past 7 years, and provide references. Also, provide safety record for the past 7 years as an attachment.**

Firm's Name: SEE ATTACHED REPORTS:

Role on Project: Northern States Closed Projects 36" or Larger  
OVER 1,000,000 Feet of Lining in General

2.1. Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

2.2. Client's Name: SEE ATTACHED REPORTS:

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

2.3. Client's Name: SEE ATTACHED REPORTS:

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

DS- 5

**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

**6 of 8**

Type of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**2.4. Client's Name:** SEE ATTACHED REPORTS: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

BY: ADVANCED UNDERGROUND INSPECTION LLC <sup>40</sup> (-Corporation  
 (-Partnership  
 (-An Individual

PRINCIPAL OFFICE ADDRESS 38657 WBB DR WESTLAND MI 48185

(The signer of this questionnaire guarantees the truth and accuracy of all statements and of all answers to interrogatories hereinafter made.)

1. What type of business is Bidder's organization:

MANHOLE REHAB, SEWER CLEANING AND CCTV, GROTING, LINK PIPE

2. How many years has Bidder's organization been performing work, as a contractor or subcontractor, of the type required for this Project?

16 YEARS

3. Provide information on all service contracts currently in progress.

Contract Amount	Type of Work	Scheduled Completion	Name and Address of Owner	Engineer/ Architect
<u>\$201,000</u>	<u>MANMHOLE REHAB</u>	<u>JULY 2016</u>	<u>CLINTON TWP MI</u>	<u>GIFFELS-WEBSTER</u>
<u>\$ 700,000</u>	<u>MANHOLE REHAB</u>	<u>AUG 2016</u>	<u>SPENEILLO BALTIMORE MD</u>	<u>OHM</u>
<u>\$358,000</u>	<u>GROUT, MH REHAB</u>	<u>SEPT 2016</u>	<u>INSITUFORM BALTIMORE MD</u>	<u>BALTIMORE CITY</u>
<u>\$198,000</u>	<u>GROUT, MH REHAB</u>	<u>NOV 2016</u>	<u>SAK BALTIMORE MD</u>	<u>BALTIMORE COUNTY</u>
<u>\$ 210,000</u>	<u>GROUT, MH REHAB</u>	<u>JULY 2016</u>	<u>IPR DETROIT</u>	<u>FISHBECK</u>
<u>\$67,000.00</u>	<u>GROUT</u>	<u>JUNE 2016</u>	<u>IPR DETROIT</u>	<u>OHM</u>
<u>\$200,000</u>	<u>CLEAN AND CCTV</u>	<u>JULY 2106</u>	<u>INSITUFORM DETROIT</u>	<u>GIFFELS WEBSTER</u>
<u>\$188,000</u>	<u>GROUT, MH REHAB</u>	<u>JULY 2016</u>	<u>TWINSBURG OH</u>	<u>TWINSBURG</u>

4. What projects, comparable to this Project, has Bidder's organization completed within the last five years? What was the contract amount for each?

10. List names, addresses, and phone numbers of individuals or organizations that can be contacted by Owner or Engineer to obtain references.

CHRIS BILISAK SPENEILLO BALTIMORE MD 443-250-6038  
 WALTER ROZEKI IPR DETROIT MI 313-218-5045  
 TREVOR HAMILTON UNITED WATERS GIBRALTER MI 734-231-1036  
 GREG KREZA CITY OF DEARBORN MI 313-520-5605  
 DUANE GILDERSKE INSITUFORM HOWELL MI 517-546-4107

11. What is the construction experience of the principal individuals of Bidder's organization?

Individual's Name	Present Position or Office	Magnitude and Type of Work	In What Capacity?
MARVIN LAFITE	PROJECT MANAGER	MANHOLE REHAB	20 YEARS IN MH REHAB
DAN LAMOREUXPROJECT	PROJECT MANGER	MH REHAB/ GROUT	18 YEARS SEWER CO
BRIAN WARD	SUPERVISOR	MH REHAB	9 YEARS
JIM CAGLE	SUPERVISOR	MH REHAB-GROUT	



Contract Amount	Type of Work	When Completed	Name and Address of Owner	Engineer/ Architect
\$250,000	MH REHAB	5/ 2015	CHAMPAGNE AND MARX FLINT MI	OHM
\$745,000	MH REHAB polytri plex	7/ 2105	ZITTO- FENTON MI	OWOSSO
\$ 397,000	MH REHAB	3/ 2016	INSITUFORM BALTIMORE MD	BALTIMORE CTY
\$ 75,000	MH REHAB	8/ 2014	CITY OF DEARBORN MI	HENNESY
\$175,000	MH REH- GROUT	7/2013	IAFRATE- SOUTHFIELD MI	RAINES
\$201,000	MH REH	9/ 2012	INLAND -DETROIT	URS
\$176,000	MH REHAB	10/ 2014	INLAND DETRIOT	HENNESY
\$545,000	MH REHAB	11/2015	INSITUFORM BALTIMORE MD	BALTIMORE MD
\$314,000	MH REHAB	9/ 2011	CITY OF MONROE MI	URS
\$ 231,000	MH REHAB	8/ 2011	UNITED WATERS GIBRALTER MI	SUVA
\$188,950	MH REHAB	8/ 2013	UNITED WATERS MI GIBRALTER MI	SUVA

5. Has Bidder's organization ever defaulted on any contract or failed to complete any contract? If so, where and why? NO

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. Are there any judgments, claims, arbitration proceedings, or suits pending or outstanding against Bidder's organization or officers? NO

7. Has Bidder's organization filed any lawsuits or requested arbitration with regard to construction contraction in the past five years? NO

8. Within the past five years, has any officer or principal of Bidder's organization been an officer or principal of another organization which failed to complete a construction contract? NO

9. Has Bidder's organization operated under a different business name? NO

General Experience Record  
ADVANCED UNDERGROUND INSPECTION

Location of Project	State	Project Value	Essential Details of Project That Were Similar to The Present Project	Contact/Status	Telephone/Fax
City of Howell 150 Marion Street Howell, MI 48843	MI	\$12,000.00 \$ 8,000.00	Clean and Tv'd various sizes of sanitary lines Tv'd various sizes of Sanitary Current Maintenance Annual Contract	Ervin Suida	517-546-7510
City of Mount Clemens One Crocker Blvd Mt. Clemens, MI 48043	MI	\$36,758.50	Clean and Television Inspection 12, 18 and 24 inch pipe	Chuck Bellmore	586-469-6889
Inland Waters Pollution Controls	MI	\$210,000.00	Working as sub-contractor Cleaned and Televised various size storm sewer lines from 8 inch to 36 inch slated for rehabilitation by ClPP (cured in place pipe)	Walter Rozycki	313-841-5800 Ext. 277
2021 S. Schaefer Hwy Detroit, MI 48217					
Interstate Highway Contractors	MI	\$303,000.00	Clean and Televised road culverts along with ClPP rehabilitation of culverts along I-69 re construction project for MDO T	John Beard	517-202-1105
1955 W Sequoia Trail Ste B, Owosso, MI 48867					
John Carlo Companies 45000 River Ridge Dr Clinton Twp, MI 48038	MI	\$39,000.00	Clean and Tv'd various sizes of storm/sanitary lines at various locations. Grouting various size pipe.	Mike Dufy	586-416-4500

General Experience Record  
ADVANCED UNDERGROUND INSPECTION

Location of Project	State	Project Value	Essential Details of Project That Were Similar to The Present Project	Contact/Status	Telephone/Fax
City of Allen Park 16850 Southfield Allen Park, MI 48101	MI	\$84,460.00	Clean and T'v'd various sizes of storm/sanitary lines at various streets in Allen Park		313-928-0550
Cadillac Asphalt	MI	\$7,760.00	Cleaning Culverts & Structures		989-366-9640
Ajax Paving 830 Kirts Troy, MI 48084	MI	\$65,245.68	Cleaned & T'v'd various storm pipe		248-244-3300
C.A. Hull 8177 Goldie Road Walled Lake, MI 48390	MI	\$6,000.00	Cleaned Structures	Randy	248-363-3813
Washtenaw County Drain Commission 705 North Zeeb Road Ann Arbor, MI 48107	MI	\$11,837.40	Cleaned, T'v'd and Root Cut Various size of pipe in Shady Knolls Drainage District	Jeff Harms	734-994-2525
State of Michigan	MI	\$173,580.00	Pump Station, storm water cleaning and inspection	Terry Harris	517-241-1650
State of Michigan	MI	\$718,640.00	Catch Basin, storm water Cleaning and inspection	Dave Budd	269-337-3919
State of Michigan	MI	\$ 71,104.00	Catch Basin, storm water Cleaning and inspection	Bernie Wells	313-477-8861

General Experience Record  
ADVANCED UNDERGROUND INSPECTION

Location of Project	State	Project Value	Essential Details of Project That Were Similar to The Present Project	Contact/Status	Telephone/Fax
Diamond Chrome 604 S. Michigan Ave Howell, MI 48843	MI	\$ 61,050.00	Chemical Grout Joints, Coated manholes, cleaned and televised 48 inch pipe	Jack Beaty	517-546-0150
City of Midland 333 West Ellsworth Street Midland, MI 48640	MI	\$ 8,000.00	Install 36 inch sectional repair in storm main	Steve Smith	
Dans Excavating 12955 23 Mile Road Shelby Twp., MI 48315	MI		Install 22 sectional repairs of various sizes on the I-94 reconstruct project. Clean & televise storm water system		586-254-2040
Dan's Excavating 12955 23 Mile Road Shelby Twp., MI 48315	MI		Clean storm sewer and structures		586-254-2040
Instituforn 12129 W. Davison Detroit, MI 48223	Evanston IL	\$ 10,340.00	Inject structural grout in 60 inch interceptor		313-835-0417
O'Laughlin Construction 12300 Emerson Drive Brighton, MI 48116	MI	\$ 36,488.00	Corr Resist. Coating Wetwell	Steve	248-486-5200
O'Laughlin Construction 12300 Emerson Drive Brighton, MI 48116	Wyoming	\$ 22,238.85	Corr Resist. Coating Wetwell	Steve	248-486-5200

General Experience Record  
ADVANCED UNDERGROUND INSPECTION

Location of Project	State	Project Value	Essential Details of Project That Were Similar to The Present Project	Contact/Status	Telephone/Fax
City of Wyandotte 4201 13th Street Wyandotte, MI 48192	Wyandotte MI	\$ 65,743.00	Tving and Cleaning Sanitary sewer	Claude	734-324-4569
Plymouth Township 9955 N Haggerty Road Plymouth, MI 48170	Plymouth MI	\$ 264,175.00	Tving and Cleaning Sanitary Sewer and Root Cutting	Tony Hollis	734-260-2687
Jackson County P. O. Box 1125 Jackson, MI 49204	Jackson MI	\$ 43,500.00	Cleaning Storm Catch Basins	Ted Kinch	517-740-1438

General Experience Record  
ADVANCED UNDERGROUND INSPECTION

Location of Project	State	Project Value	Essential Details of Project That Were Similar to The Present Project	Contact/Status	Telephone/Fax
City of Wyandotte 4201 13th Street Wyandotte, MI 48192	Wyandotte MI	\$ 65,743.00	Tving and Cleaning Sanitary sewer	Claude	734-324-4569
Plymouth Township 9955 N Haggerty Road Plymouth, MI 48170	Plymouth MI	\$ 264,175.00	Tving and Cleaning Sanitary Sewer and Root Cutting	Tony Hollis	734-260-2687
Jackson County P. O. Box 1125 Jackson, MI 49204	Jackson MI	\$ 43,500.00	Cleaning Storm Catch Basins	Ted Kinch	517-740-1438

## Sub List

Cleaning and Televising

Advanced Underground Inspection (AUI)

At the time of submittal, the qualification information was not available to include with the bid. AUI has years of experience working with the City of Ann Arbor. Qualification information can be made available following bid submittal.

Excavation

Fonson

Concrete

GM & Sons

Manhole Rehab

CBET

Bypass Pumping

Synergy

Traffic Control

Spartan Barricading

Above Groud Video

Pre-Construction Media



# NORTHERN STATES Closed Projects 36" or Larger

Proprietary Property and Trade Secret of Insituform, Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Closed Projects ( 2013 - Present ) - Detail Contract Value

Project JDE Job Number	Contract Value	Final Contract Amount
101989	\$101,600.00	\$99,320.00
102030	\$122,928.00	\$122,928.00
102048	\$90,669.24	\$87,775.24
102056	\$1,263,177.14	\$1,225,779.30
102075	\$579,489.20	\$540,494.70
102139	\$60,595.50	\$64,609.25
102146	\$9,618,541.00	\$9,579,580.20
102184	\$533,151.20	\$633,266.04
102282	\$104,624.24	\$104,624.24
102303	\$1,913,598.10	\$1,712,072.62
102306	\$98,626.00	\$98,990.00
102320	\$486,666.40	\$483,779.05
102321	\$620,857.20	\$838,105.00
102333	\$343,529.95	\$342,513.15
102359	\$431,621.60	\$339,684.00
102364	\$267,705.60	\$259,761.00
102440	\$2,683,201.82	\$2,877,457.39
102452	\$219,900.00	\$219,900.00
102461	\$545,313.80	\$591,453.80
102463	\$988,550.89	\$731,043.70
102490	\$1,609,890.84	\$1,616,354.11
102537	\$932,721.20	\$896,060.99
102552	\$118,772.00	\$131,391.35
102693	\$147,725.00	\$155,225.00
102749	\$329,658.00	\$328,449.90
121478	\$2,988,399.09	\$2,816,420.00
121484	\$596,508.77	\$594,215.10
121506	\$227,206.60	\$327,081.67
121522	\$874,820.00	\$772,809.99
121526	\$280,796.00	\$271,098.00
121531	\$252,081.00	\$258,381.00
121554	\$717,665.40	\$738,490.20
121571	\$263,720.00	\$219,658.50
121577	\$365,914.00	\$566,053.28
121583	\$389,177.00	\$387,613.00



Project JDE Job Number	Contract Value	Final Contract Amount
121586	\$435,366.00	\$315,749.00
121615	\$100,858.40	\$100,858.40
121620	\$40,425.00	\$41,195.00
121621	\$385,902.00	\$366,721.00
121627	\$1,030,012.00	\$1,004,909.23
121662	\$401,430.00	\$362,281.80
121683	\$3,247,238.70	\$3,354,392.43
121684	\$203,304.92	\$201,604.96
121698	\$785,423.00	\$846,287.48
121703	\$187,170.60	\$194,239.45
121706	\$362,967.80	\$364,076.00
121720	\$365,133.58	\$368,528.40
121730	\$310,717.70	\$307,377.70
121739	\$155,067.50	\$148,385.00
121745	\$4,118,120.10	\$4,005,955.19
121746	\$539,376.40	\$588,701.61
121769	\$181,300.00	\$181,300.00
121774	\$230,437.00	\$238,283.00
121776	\$334,118.75	\$304,825.00
121777	\$339,233.70	\$376,737.60
121781	\$203,423.80	\$202,298.40
121784	\$173,183.75	\$173,957.81
121791	\$76,380.00	\$76,380.00
121795	\$622,085.90	\$584,310.07
121801	\$127,397.00	\$140,899.73
121811	\$696,759.00	\$663,819.50
126372	\$2,293,614.19	\$2,678,268.82
126383	\$948,763.99	\$935,828.00
126394	\$112,231.60	\$92,837.00
126398	\$87,375.00	\$56,655.00
126405	\$2,872,072.80	\$3,669,353.86
126406	\$4,955,673.60	\$4,752,748.05
126415	\$264,634.10	\$208,366.81
126417	\$176,300.00	\$176,300.00
126418	\$70,185.40	\$66,131.00
126423	\$1,081,428.20	\$1,102,628.60
126427	\$1,653,789.45	\$1,777,364.98
126437	\$210,219.10	\$235,826.70

Project JDE Job Number	Contract Value	Final Contract Amount
126438	\$163,749.70	\$159,049.70
12643801	\$62,304.20	\$62,304.20
126439	\$2,279,806.90	\$2,880,040.29
126442	\$151,606.00	\$151,606.00
126443	\$335,364.80	\$335,364.80
126444	\$90,900.00	\$60,426.90
126445	\$37,500.00	\$29,074.20
126446	\$72,930.00	\$72,930.00
126451	\$61,224.80	\$60,552.00
126452	\$74,908.80	\$74,908.80
126455	\$89,863.20	\$89,863.20
126458	\$3,118,938.40	\$3,521,826.43
126466	\$54,360.20	\$54,360.20
126467	\$60,373.30	\$60,373.30
126468	\$67,669.50	\$67,669.50
126477	\$311,706.30	\$383,825.63
126482	\$1,234,742.10	\$1,236,918.66
126483	\$703,513.20	\$716,967.00
126488	\$204,421.20	\$199,206.00
126492	\$294,496.60	\$95,734.26
126493	\$255,750.00	\$258,511.00
126494	\$2,033,937.10	\$2,408,820.32
126496	\$206,228.10	\$94,586.80
126501	\$78,587.00	\$79,470.00
126502	\$125,698.40	\$124,503.38
126505	\$95,622.20	\$95,293.90
126507	\$229,468.00	\$231,652.50
126508	\$459,686.50	\$394,488.80
126519	\$170,696.40	\$167,641.60
126523	\$147,459.00	\$164,903.48
126526	\$169,031.70	\$164,045.70
126532	\$266,447.70	\$293,529.07
126539	\$47,045.60	\$189,924.55
12653901	\$47,045.60	
12653902	\$36,748.80	
12653903	\$57,271.70	
126542	\$82,433.90	\$82,433.90
126547	\$103,380.00	\$91,541.85



Project IDE Job Number	Contract Value	Final Contract Amount
126548	\$750,780.70	\$1,309,008.00
126554	\$183,244.80	\$160,918.10
126568	\$1,882,606.70	\$1,738,659.73
126571	\$62,003.70	\$62,630.00
126572	\$648,504.00	\$501,636.80
126574	\$1,543,093.40	\$2,837,196.20
126579	\$3,914,152.60	\$3,821,298.94
126583	\$340,272.90	\$339,006.60
126600	\$2,852,657.06	\$3,054,439.50
126603	\$557,145.60	\$570,519.22
126607	\$120,170.90	\$116,475.10
126608	\$51,057.40	\$47,536.20
12660901	\$52,930.00	\$52,930.00
12660902	\$99,200.00	\$84,207.52
126612	\$44,750.00	\$42,850.00
126614	\$253,500.00	\$126,750.00
126617	\$74,124.00	\$64,624.00
126618	\$277,368.00	\$264,490.20
126621	\$330,736.50	\$320,478.30
126622	\$371,760.00	\$371,760.00
12662201	\$108,288.00	\$108,288.00
12662202	\$85,860.00	\$85,860.00
126624	\$141,105.00	\$164,830.00
12662401	\$85,675.00	\$74,585.00
126625	\$100,940.00	\$233,718.00
126627	\$482,943.80	\$564,481.26
126629	\$270,401.40	\$271,388.00
126632	\$218,431.50	\$221,947.50
126633	\$365,148.00	\$373,086.00
126634	\$106,481.00	\$106,481.00
126635	\$79,550.00	\$79,550.00
126638	\$74,130.00	\$74,130.00
126639	\$241,003.13	\$240,765.63
12663901	\$127,335.75	\$126,578.25
12663902	\$112,601.37	\$112,283.87
126641	\$627,775.00	\$599,484.06
126643	\$1,015,444.00	\$1,015,444.00
126644	\$191,360.00	\$225,116.00

Project JDE Job Number	Contract Value	Final Contract Amount
12664401	\$82,998.00	\$82,818.00
126650	\$105,300.00	\$105,102.00
126662	\$154,912.50	\$154,912.50
126672	\$84,920.00	\$84,920.00
126673	\$59,800.00	\$59,900.00
126680	\$111,757.60	\$306,449.20
126683	\$238,224.00	\$238,225.00
126684	\$71,380.00	\$70,072.00
126686	\$79,490.00	\$78,730.00
126695	\$77,805.00	\$77,805.00
126698	\$84,600.00	\$85,500.00
126699	\$142,800.00	\$142,800.00
126700	\$121,968.00	\$121,968.00
126701	\$256,600.00	\$258,895.00
126702	\$99,567.00	\$99,567.00
126703	\$184,680.00	\$186,639.23
126705	\$69,750.00	\$71,061.65
126710	\$123,055.00	\$130,555.00
126711	\$204,275.00	\$182,568.00
126719	\$59,136.00	\$51,318.00
126722	\$104,525.00	\$106,220.00
126723	\$114,005.00	\$114,760.00
130454	\$194,001.00	\$201,010.40
130469	\$760,590.00	\$755,165.28
130470	\$216,000.00	\$216,000.00
130474	\$974,233.30	\$1,049,553.57
130491	\$663,600.00	\$685,470.00
130492	\$999,493.50	\$966,615.02
130503	\$527,601.00	\$514,096.00
130513	\$168,693.00	\$168,788.00
130520	\$67,036.60	\$67,863.20
130524	\$998,018.40	\$992,277.80
130525	\$98,678.40	\$96,667.80
130526	\$198,952.20	\$211,550.80
130527	\$59,700.00	\$59,267.30
130538	\$718,629.70	\$719,375.13
130546	\$296,708.60	\$384,421.40
130548	\$126,889.80	\$111,987.20



Project JDE Job Number	Contract Value	Final Contract Amount
130556	\$176,041.00	\$172,624.00
130569	\$195,808.00	\$176,668.00
130600	\$1,555,715.10	\$2,564,574.42
130602	\$1,088,090.10	\$1,133,090.10
<b>Total</b>	<b>\$107,190,996.72</b>	<b>\$112,075,441.25</b>



# Company As a Whole

Historically Property and Trade Service of Arjoon, Inc. Unaffiliated Use. Demonstration and Disclosure. Strictly Prohibited

## OVER 1,000,000 feet of lining in general ( 2013 - Present )

	AIS	COM	ILS	PPL	RPP	SIT	STD	UVG	Total	SRS (apps)
6	517,557	0	149,248	2,249	0	1,669	45,629	55	716,408	0
7	339	0	0	0	0	0	2,919	0	3,258	
8	14,302,599	0	2,094,757	4,301	0	3,597	4,078,067	24,185	20,507,506	
9	318,344	0	0	0	0	0	16,816	0	335,160	
10	2,239,753	0	41,831	0	290	2,667	547,399	0	2,831,939	
11	2,714	0	0	0	0	0	0	0	2,714	
12	1,766,922	853	21,133	570	46	20,549	543,709	0	2,353,783	
13	2,725	0	0	0	0	0	882	0	3,607	
14	23,734	0	0	0	0	2,507	14,686	0	40,926	
15	890,535	0	2,456	0	0	410	392,736	0	1,286,137	
16	20,966	0	0	0	0	5,265	21,110	0	47,341	
17	2,983	0	0	0	0	0	695	0	3,678	
18	593,295	0	0	0	0	2,311	330,278	0	925,884	
19	8,501	0	0	0	0	0	3,617	0	12,118	
20	55,063	0	0	160	46	5,234	10,471	0	70,974	
21	235,900	0	0	0	0	0	160,763	0	396,663	
22	5,885	0	0	0	0	0	4,432	0	10,316	
23	1,758	0	0	0	0	0	39	0	1,797	
24	436,710	436	0	0	0	13,241	321,387	0	771,774	
25	10,304	0	0	0	0	0	1,443	0	11,747	
26	5,331	0	0	0	0	0	374	0	5,705	
27	72,913	671	0	0	840	0	67,320	0	141,744	
28	8,272	0	0	0	0	0	2,892	0	11,164	
29	5,581	0	0	0	0	0	2,303	0	7,884	
30	210,849	0	0	0	4,636	8,877	224,896	0	449,258	
31	1,210	0	0	0	0	0	1,375	0	2,584	
32	2,586	0	0	0	0	0	11,032	0	13,618	
33	35,048	0	0	0	0	0	44,266	0	79,314	
34	2,232	0	0	0	0	0	1,047	0	3,279	
35	4,571	0	0	0	0	0	2,214	0	6,785	
36	181,332	2,175	0	0	8,587	5,807	159,483	0	357,385	
37	1,780	0	0	0	0	0	11	0	1,791	
38	6,122	0	0	0	0	0	1,332	0	7,455	
39	22,049	0	0	0	0	0	38,585	0	60,634	
40	2,360	603	0	0	0	0	899	0	3,862	





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	AIS	COM	ILS	PPL	RPP	SIT	STD	UVG	Total
96	580	2,601	0	0	0	0	86	0	3,267
102	0	165	0	0	0	0	898	0	1,063
	57,513	0	1,192	0	0	657	51,638	0	111,000
Total	22,354,107	38,538	2,310,617	7,767	14,445	78,590	7,503,125	24,240	32,331,429





# NORTHERN STATES Closed Projects 36" or Larger

Proprietary Property and Trade Secret of Aegion, Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Closed Projects ( 2013 - Present ) - Parameter Summary

Company Code:	00120, 00126, 00128, 00130
Region:	
Owner State:	
Project Material Family:	ACE; AIS; COM; ILS; SIT; STD
Project Manager:	
Project Number:	
Role:	
Value Range:	Start End
Project Value (\$)	
Bid Proposal Date:	
Project Closed Date:	
Diameter:	36
Linear Feet:	



# NORTHERN STATES Closed Projects 36" or Larger

Proprietary Property and Trade Secret of Asgion, Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Closed Projects ( 2013 - Present ) - Summary

	AIS	COM	SIT	STD	Total	SR's (teps)
36	22,849	0	430	36,604	59,883	0
38	0	0	0	969	969	
39	45	0	0	157	202	
40	328	0	0	899	1,227	
41	248	0	0	250	498	
42	21,869	0	0	18,925	40,794	
45	261	748	0	148	1,157	
46	0	0	0	501	501	
47	673	0	0	1,793	2,466	
48	11,615	0	42	26,306	37,963	
49	50	0	0	503	553	
52	379	0	0	345	724	
54	7,355	0	0	17,570	24,925	
55	148	0	0	0	148	
56	0	0	0	515	515	
58	170	0	0	0	170	
60	7,945	0	0	10,961	18,906	
62	0	0	0	1,271	1,271	
63	0	0	0	154	154	
64	324	0	0	0	324	
65	566	0	0	0	566	
66	250	2,764	0	0	3,014	
72	4,146	1,683	0	2,535	8,364	
78	469	1,398	0	302	2,169	
80	43	0	0	0	43	
84	152	1,184	0	0	1,336	
87	280	0	0	0	280	
96	580	2,601	0	0	3,181	
102	0	0	0	297	297	
<b>Total</b>	<b>80,745</b>	<b>10,378</b>	<b>472</b>	<b>121,005</b>	<b>212,600</b>	



# NORTHERN STATES Closed Projects 36" or Larger

Proprietary, Property and Trade Secret of Aegion, Inc. Unauthorised Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Closed Projects ( 2013 - Present ) - Detail

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
101989	Prime	ARCADIS U.S., SUPERIOR WI   CMP CULVERT REHAB	JC	\$101,600	\$99,320

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Kramer, Ross M	09-21-2014	12-31-2014	365	365	0
<b>Total</b>			<b>365</b>	<b>365</b>	

Customer	Owner
Beazer East, Inc-MN 1 Oxford Way Hennepin Minneapolis MN 55401 +1 412 2088801	Beazer East, Inc-MN 1 Oxford Way Hennepin Minneapolis MN 55401 +1 412 2088801

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102030	Sub	GEO. E. HAGGART, FARGO ND   PO#2014-14,1406 FARGO UR-14-11	JC	\$122,928	\$122,928

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Kramer, Ross M	10-08-2014	02-26-2015	591	591	0
<b>Total</b>			<b>591</b>	<b>591</b>	

Customer	Owner
George E. Haggart, Inc. 1802 7th Ave. North Cass Fargo ND 58102-3204 +1 701 2321969	City of Fargo, ND 200 North 3rd Street Cass Fargo ND 58102-4820 +1 701 2411548



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102048	Prime	EDEN PRAIRIE MN,BITTERSWEET DR   CULVERT REHAB, I.C. 14-5885	JC	\$90,669	\$87,775

Project Manager	Bid Date	Project Close Date
Kramer, Ross M	02-06-2015	04-14-2015

Customer	Owner
City of Eden Prairie, MN	City of Eden Prairie, MN
8080 Mitchell Road	8080 Mitchell Road
Hennepin	Hennepin
Eden Prairie MN 55344	Eden Prairie MN 55344
+1 952 9498300	+1 952 9498300

	AIS	Total	SR's
36	85	85	0
Total	85	85	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102056	Prime	ST. PAUL MN,BROWN/BAKER PROJ.   SEWER LINING P.J.#15-S-2026,+CO	JC	\$1,263,177	\$1,225,779

Project Manager	Bid Date	Project Close Date
Kramer, Ross M	02-25-2015	04-07-2016

Customer	Owner
City of Saint Paul, MN	City of Saint Paul, MN
1900 Rice Street	1900 Rice Street
McCarrons Center	McCarrons Center
Ramsey	Ramsey
Saint Paul MN 55102	Saint Paul MN 55102
+1 651 2668989	+1 651 2668989

	AIS	Total	SR's
40	150	150	0
Total	150	150	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102075	Sub	NORTHWEST ASPHALT, EDINA MN   54TH STREET PROJECT#5703	JC	\$579,489	\$540,495

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Kramer, Ross M	02-24-2015	08-14-2015	195	195	0
Total			195	195	

Customer	Owner
Northwest Asphalt	City of Edina, MN
1451 Stagecoach Road/county Road 18	4801 W 50th Street
Scott	Hennepin
Shakopee MN 55379	Minneapolis MN 55424-1330
+1 952 4451003	+1 612 9278861

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102139	Sub	SHAFFER CONST., MAPLE GROVE MN   SP 2771-37, TH 610 DESIGN BUIL	JC	\$60,596	\$64,609

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Kramer, Ross M	05-25-2015	08-10-2016	247	247	0
Total			247	247	

Customer	Owner
Shafer Contracting Co Inc-Shafer, MN	Department of Transportation - State of Minnesota-*Main-- Metro 1-Roseville, MN
30405 Regal Avenue	Waters Edge Building 1500 W. County Road
Chisago	Waters Edge Building 1500 W County Road
Shafer MN 55074	Carver
+1 651 2575019	Roseville MN 55113-3174
	+1 651 5821000



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102146	Prime	METROPOLITAN COUNCIL_NORTHAREA   INTERCEPTOR REHAB,PH.6	JC	\$9,618,541	\$9,579,580

Project Manager	Bid Date	Project Close Date
Kramer, Ross M	07-28-2015	12-01-2016

Customer	Owner
Metropolitan Council of Environmental Services-*Corporate-St. Paul, MN	Metropolitan Council of Environmental Services-*Corporate-St. Paul, MN
390 N Robert St Suite A Ramsey Saint Paul MN 55101-1634 +1 651 6021100	390 N Robert St Suite A Ramsey Saint Paul MN 55101-1634 +1 651 6021100

	AIS	STD	Total	SR's
42	2,256	0	2,256	0
48	1,667	0	1,667	
60	2,186	0	2,186	
72	0	1,357	1,357	
<b>Total</b>	<b>6,109</b>	<b>1,357</b>	<b>7,466</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102184	Prime	SIoux FALLS SD,2016 PJ#16-1047   SANIT. SEW. PIPE LINING,P#161047	JC	\$533,151	\$633,266

Project Manager	Bid Date	Project Close Date
Kramer, Ross M	02-25-2016	06-30-2017

Customer	Owner
City of Sioux Falls, SD	City of Sioux Falls, SD
224 W 9th Street Minnehaha Sioux Falls SD 57104-6407 +1 605 3678600	224 W 9th Street Minnehaha Sioux Falls SD 57104-6407 +1 605 3678600

	AIS	Total	SR's
47	109	109	0
<b>Total</b>	<b>109</b>	<b>109</b>	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102282	Sub	CARL BOLANDER & SONS, ST. PAUL   3M PIPE LINING (CBS#16-6460)	JC	\$104,624	\$104,624

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Kramer, Ross M	11-03-2016	01-06-2017	571	571	0
Total			571	571	

Customer	Owner
Carl Bolander & Sons-Saint Paul, MN	3M*Corporate Headquarters - ST Paul, MN
251 Starkey Street Ramsey Saint Paul MN 55107	3M Center I-94 and McKnight Rd Building 0223-06-s-04 Ramsey Saint Paul MN 55144
+1 651 2246299	+1 651 7731110

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102303	Sub	MINGER CONTRUCTION, ST. PAUL MN   RICHFIELD INTERCEPTOR AIRPORT	JC	\$1,913,598	\$1,712,073

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Kramer, Ross M	07-21-2016	03-30-2018	4,873	4,873	0
Total			4,873	4,873	

Customer	Owner
Minger Construction Co-Chamhassen, MN	Metropolitan Council of Environmental Services-*Corporate-St. Paul, MN
2471 Galpin Court # 110 Carver Chanhassen MN 55317-0326	390 N Robert St Suite A Ramsey Saint Paul MN 55101-1634
+1 952 3689200	+1 651 6021100

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102306	Prime	EDEN PRAIRIE MN, WOODLAND DR.   WOODLAND&SUNSHINE DR.-STORM WAT	JC	\$98,626	\$98,990

Project Manager	Bid Date	Project Close Date
Kramer, Ross M	12-01-2016	04-14-2017

Customer	Owner
City of Eden Prairie, MN 8080 Mitchell Road Hennepin Eden Prairie MN 55344 +1 952 9498300	City of Eden Prairie, MN 8080 Mitchell Road Hennepin Eden Prairie MN 55344 +1 952 9498300

	AIS	Total	SR's
	36	130	0
	42	392	
<b>Total</b>	<b>522</b>	<b>522</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102320	Sub	DAKOTA UNDERGROUND CO.FARGO ND   ND DOT 19-SU-8-984(152)155&IM	JC	\$486,666	\$483,779

Project Manager	Bid Date	Project Close Date
Kramer, Ross M	02-03-2017	06-29-2017

Customer	Owner
Dakota Underground Company, Inc- Fargo, ND 4001 15th Ave N. Cass Fargo ND 58102 +1 701 2829753	Department of Transportation - State of North Dakota-Bismarck,ND 300 Airport Road Burlleigh Bismarck ND 58504 +1 701 3286904

	STD	Total	SR's
	36	1,312	0
		1,312	
<b>Total</b>	<b>1,312</b>	<b>1,312</b>	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102321	Prime	BROOKLYN PARK, MN   LARGE SS LINING,CIP#300117S	JC	\$620,857	\$638,105

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Kramer, Ross M	02-02-2017	11-27-2017	86	86	0
Total			86	86	

Customer	Owner
City of Brooklyn Park, MN 8300 Noble Avenue N Hennepin Minneapolis MN 55443-2400 +1 612 4938000	City of Brooklyn Park, MN 8300 Noble Avenue N Hennepin Minneapolis MN 55443-2400 +1 612 4938000

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102333	Prime	WESTERN LAKE SUPERIOR SANI.DIS   LAKESIDE INTERCEPTOR,CONT#1342	JC	\$343,530	\$342,513

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Kramer, Ross M	02-15-2017	07-28-2017	860	860	0
Total			860	860	

Customer	Owner
Western Lake Superior Sanitary District-Duluth, MN 27 Avenue West Saint Louis Duluth MN 55806-1894 +1 218 7223336	Western Lake Superior Sanitary District-Duluth, MN 27 Avenue West Saint Louis Duluth MN 55806-1894 +1 218 7223336



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102359	Prime	MENDOTA HEIGHTS MN, PRJ.#201705   2017 SANIT. SEWER PROJ.#201705	JC	\$431,622	\$339,684

Project Manager	Bid Date	Project Close Date
Kramer, Ross M	04-12-2017	04-27-2018

Customer	Owner
City of Mendota Heights, MN	City of Mendota Heights, MN
1101 Victoria Curve	1101 Victoria Curve
Dakota	Dakota
Saint Paul MN 55118-4106	Saint Paul MN 55118-4106
+1 612 4521850	+1 612 4521850

	AIS	Total	SR's
42	75	75	0
Total	75	75	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102364	Sub	JOHN T. JONES CONSTR., YANKTON   YANKTON WATER PURIF. FACILITY	JC	\$267,706	\$259,761

Project Manager	Bid Date	Project Close Date
Kramer, Ross M	03-24-2017	03-17-2019

Customer	Owner
John T. Jones Construction	City of Yankton, SD
2213 7th Ave N	Yankton- Not Available
Cass	Yankton
Fargo ND 58108	Yankton SD 57078
+1 701 2323358	+1 605 6685254

	SIT	Total	SR's
36	430	430	0
Total	430	430	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102440	Prime	ST. PAUL MN,CT#1611,BID#451   PW-ASHLAND/CENTRAL SEW,LINING	JC	\$2,663,202	\$2,877,457

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Kramer, Ross M	12-13-2017	03-06-2021	36	26	0
			42	199	
			54	318	
			Total	543	

Customer	Owner
City of Saint Paul, MN 1900 Rice Street McCarrons Center Ramsey Saint Paul MN 55102 +1 651 2668989	City of Saint Paul, MN 1900 Rice Street McCarrons Center Ramsey Saint Paul MN 55102 +1 651 2668989

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102452	Prime	SAPPI NORTH AMERICA,CLOQUET MN   CIPP REHAB, PO#3075192071	JC	\$219,900	\$219,900

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Kramer, Ross M	02-22-2018	04-19-2018	36	118	0
			48	491	
			Total	609	

Customer	Owner
Sappi Fine Paper-Facilities Operations 2201 Avenue B PO Box 511 Carlton Cloquet MN 55720-0503 +1 218 8792300	Sappi Fine Paper-Facilities Operations 2201 Avenue B PO Box 511 Carlton Cloquet MN 55720-0503 +1 218 8792300



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102461	Sub	C.S. MCCROSSAN CON.MINNETONKA   RIDGEDALE DR/RIDGEHAVEN LANE	JC	\$545,314	\$591,454

Project Manager	Bid Date	Project Close Date
Kramer, Ross M	02-23-2018	05-16-2019
<b>Customer</b>		
C.S. McCrossan Construction Inc.- Osseo, MN	Owner	City of Minnetonka, MN
7865 Jefferson Highway N Henepin Osseo MN 55311-6240 +1 763 4254167		11522 Minnetonka Blvd 11522 Minnetonka Boulevard Henepin Hopkins MN 55305-4370 +1 952 9398200

	AIS	Total	SR's
	60	840	0
	64	324	
	65	281	
<b>Total</b>	<b>1,445</b>	<b>1,445</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102463	Prime	MINNEAPOLIS MN,OFFIC.PUB#8499   INSTALLATION LARGE DIAM.OP8499	JC	\$988,551	\$731,044

Project Manager	Bid Date	Project Close Date
Kramer, Ross M	12-12-2017	12-27-2018
<b>Customer</b>		
City of Minneapolis, MN 4300 Marshall Street NE Henepin Minneapolis MN 55401-2268 +1 612 6732405	Owner	City of Minneapolis, MN 4300 Marshall Street NE Henepin Minneapolis MN 55401-2268 +1 612 6732405

	AIS	Total	SR's
	39	45	0
	42	2,678	
<b>Total</b>	<b>2,723</b>	<b>2,723</b>	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102490	Sub	AMES CONSTRUC.MNDOT TH35W&LAKE   TH35W & LAKE ST.SP2782327MNDOT	JC	\$1,609,891	\$1,616,354

Project Manager	Bid Date	Project Close Date
Kramer, Ross M	06-28-2017	05-31-2019

Customer	Owner
Ames Construction-Burnsville, MN.	Department of Transportation - State of Minnesota-*Main-- Metro 1-- Roseville, MN
2000 Ames Drive	Waters Edge Building 1500 W. County Road
Dakota	Waters Edge Building 1500 W County Road
Burnsville MN 55306	Carver
+1 952 4357106	Roseville MN 55113-3174
	+1 651 5821000

	AIS	COM	Total	SR's
	72	0	72	0
	78	1,398	1,440	
Total	794	1,398	2,192	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102537	Prime	WESTERN LAKE SSD, DULUTH MN   (RICE LAKE,WOODLAN, W.&CLOQUET	JC	\$932,721	\$896,061

Project Manager	Bid Date	Project Close Date
Elberts, Rick Charles	09-13-2018	07-26-2019

Customer	Owner
Western Lake Superior Sanitary District-Duluth, MN	Western Lake Superior Sanitary District-Duluth, MN
27 Avenue West	27 Avenue West
Saint Louis	Saint Louis
Duluth MN 55806-1894	Duluth MN 55806-1894
+1 218 7223336	+1 218 7223336

	STD	Total	SR's
	36	331	0
Total	36	331	0



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102552	Sub	GEISLINGER & SONS, PLYMOUTH MN   204-18.15 AVE & TRUNK HWY.	JC	\$118,772	\$131,391

Project Manager	Bid Date	Project Close Date
Elberts, Rick Charles	11-12-2018	03-20-2019
Customer	Owner	
Geislinger & Sons Inc.-Watkins, MN 511 Central Ave South PO Box 437 Watkins MN 55389 +1 320 7642006	City of Plymouth, MN 3400 Plymouth Boulevard Hennepin Plymouth MN 55447-1448 +1 763 5095000	

AIS	Total	SR's
52	184	0
<b>Total</b>	<b>184</b>	<b>0</b>

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102693	Sub	INTEGRITY GRADING & EXCAVATING   CURTIS POND REHAB IEG PJ#2002	JC	\$147,725	\$155,225

Project Manager	Bid Date	Project Close Date
Goltz, Daniel Joseph	12-18-2019	05-31-2020
Customer	Owner	
Integrity Grading & Excavating, Inc. 605 Grossman Dr Marathon Schofield WI 54476 +1 715 3594042	Wisconsin Department of Administration, Division of State Facilities PO Box 7867 101 E Wilson St. 7th Floor, Administration Building Dane Madison WI 53702 +1 608 2662731	

AIS	Total	SR's
36	534	0
<b>Total</b>	<b>534</b>	<b>0</b>



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
102749	Prime	ALBERT LEA, MN- 2020 HORSESHOE   CITY PROJECT #2064	JC	\$329,668	\$328,450

Project Manager	Bid Date	Project Close Date	COM	Total	SR's
Gotz, Daniel Joseph	07-21-2020	12-13-2020	748	748	0
<b>Total</b>			748	748	

Customer	Owner
City of Albert Lea, MN 221 E Clark St Freeborn Albert Lea MN 56007-2421 +1 507 3774300	City of Albert Lea, MN 221 E Clark St Freeborn Albert Lea MN 56007-2421 +1 507 3774300

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121478	Prime	EVANSTON IL, 2012, BID#12-152   LARGE DIAM.CIPP REHAB, PHASE 1	JC	\$2,988,399	\$2,816,420

Project Manager	Bid Date	Project Close Date	AIS	STD	Total	SR's
Burbank, Thomas A	08-28-2012	08-14-2013	330	0	330	0
<b>Total</b>			3,102	0	3,102	
<b>Total</b>			0	3,508	3,508	
<b>Total</b>			3,432	3,508	6,940	

Customer	Owner
City of Evanston, IL 2100 Ridge Avenue Cook Evanston IL 60201-2716 +1 847 8662942	City of Evanston, IL 2100 Ridge Avenue Cook Evanston IL 60201-2716 +1 847 8662942



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121484	Prime	EVANSTON IL,B#12-153,CLEVELAND   DAVIS ST. SEW.REH,PO#1612600OP	JC	\$596,509	\$594,215

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	12-04-2012	01-31-2014
Customer	Owner	
City of Evanston, IL 2100 Ridge Avenue Cook Evanston IL 60201-2716 +1 847 8662942	City of Evanston, IL 2100 Ridge Avenue Cook Evanston IL 60201-2716 +1 847 8662942	

	STD	Total	SR's
48	462	462	0
60	900	900	
<b>Total</b>	<b>1,362</b>	<b>1,362</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121506	Prime	WHEATON IL,CONTRACT#C36610   SEWER MAIN REHAB,CT#C36610	JC	\$227,207	\$327,082

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	05-24-2013	04-01-2014
Customer	Owner	
City of Wheaton, IL 303 W Wesley St 303 W Wesley Street DuPage Wheaton IL 60189-0727 +1 630 2602000	City of Wheaton, IL 303 W Wesley St 303 W Wesley Street DuPage Wheaton IL 60189-0727 +1 630 2602000	

	STD	Total	SR's
36	441	441	0
<b>Total</b>	<b>441</b>	<b>441</b>	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121522	Sub	LORIG CONSTRUCTION, COOK COUNTY   ISTHA CONT. RR-13-4125LCC#21381	JC	\$874,820	\$772,810

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	06-11-2013	01-31-2014
Customer	Owner	
Illinois State Toll Highway Authority- Downers Grove, IL	Illinois State Toll Highway Authority- Downers Grove, IL	
2700 Ogden Ave	2700 Ogden Ave	
2700 Ogden Avenue	2700 Ogden Avenue	
DuPage	DuPage	
Downers Grove IL 60515	Downers Grove IL 60515	
+1 630 2416800	+1 630 2416800	

	AIS	STD	Total	SR's
	36	198	0	198
	42	952	0	952
	48	0	386	386
<b>Total</b>	<b>1,150</b>	<b>386</b>	<b>386</b>	<b>1,536</b>

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121526	Prime	HOFFMAN ESTATES IL, PO#0011781   CRITICAL SEWER REPAIRS	JC	\$280,796	\$271,098

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	09-09-2013	11-01-2013
Customer	Owner	
Village of Hoffman Estates, IL - Public Works Dept	Village of Hoffman Estates, IL - Public Works Dept	
2305 Pembrook Drive	2305 Pembrook Drive	
Cook	Cook	
Hoffman Estates IL 60195	Hoffman Estates IL 60195	
+1 847 4906800	+1 847 4906800	

	STD	Total	SR's
	36	320	0
<b>Total</b>	<b>320</b>	<b>320</b>	<b>0</b>

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121531	Prime	LENDALE HEIGHTS IL, WINTHROP   WINTHROP AVE. CULVERTS RELINING	JC	\$252,081	\$258,381

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	07-30-2013	05-27-2014
Customer	Owner	
Village of Glendale Heights, IL 1615 Glen Ellyn Road DuPage Glendale Heights IL 60139 +1 630 2606040	Village of Glendale Heights, IL 1615 Glen Ellyn Road DuPage Glendale Heights IL 60139 +1 630 2606040	

	AIS	Total	SR's
54	188	188	0
Total	188	188	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121554	Prime	CHAMPAIGN, IL -2014 LINING   SANI-SEWER LINING, BID#13/14-26	JC	\$717,665	\$738,490

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	04-16-2014	11-24-2014
Customer	Owner	
City of Champaign, IL 102 N Neil Street Champaign Champaign IL 61820-4018 +1 217 4034710	City of Champaign, IL 102 N Neil Street Champaign Champaign IL 61820-4018 +1 217 4034710	

	AIS	STD	Total	SR's
36	0	2,416	2,416	0
42	360	0	360	
Total	360	2,416	2,776	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121571	Prime	EVANSTON IL, 2014, BID#14-46   SEWER REHAB-CLEVELAND ST.	JC	\$263,720	\$219,659

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Burbank, Thomas A	07-29-2014	04-28-2015	54	424	0
Total			424	424	

Customer	Owner
City of Evanston, IL 2100 Ridge Avenue Cook Evanston IL 60201-2716 +1 847 8662942	City of Evanston, IL 2100 Ridge Avenue Cook Evanston IL 60201-2716 +1 847 8662942

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121577	Prime	ROMEDEVILLE IL, 2014 PROJECT   SANIT-SEWER REHAB PROJ.#14-418	JC	\$365,914	\$566,053

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Burbank, Thomas A	08-26-2014	03-10-2017	42	493	0
Total			48	304	
Total			797	797	

Customer	Owner
Village of Romeoville, IL 13 Montrose Will Romeoville IL 60441 +1 815 8867200	Village of Romeoville, IL 13 Montrose Will Romeoville IL 60441 +1 815 8867200

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121583	Prime	BLOOMINGTON & NORMAL WRD   EAST SIDE INTERCEPTOR, DIV B	JC	\$389,177	\$387,613

Project Manager	Bid Date	Project Close Date
Quillen Jr, Kenneth R	10-08-2014	01-30-2015

Customer	Owner
Bloomington Normal Water Reclamation District-Bloomington, IL	Bloomington Normal Water Reclamation District-Bloomington, IL
2015 Oakland McLean Bloomington IL 61701	2015 Oakland McLean Bloomington IL 61701
+1 309 8274396	+1 309 8274396

	AIS	Total	SR's
54	1,596	1,596	0
Total	1,596	1,596	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121586	Prime	LINDENHURST, IL #5-2014   INFLUENT SWR & FED PARKWAY RHB	JC	\$435,366	\$315,749

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	10-14-2014	03-19-2015

Customer	Owner
Village of Lindenhurst, IL	Village of Lindenhurst, IL
2301 E Sand Lake Road Lake Lindenhurst IL 60046	2301 E Sand Lake Road Lake Lindenhurst IL 60046
+1 847 3568252	+1 847 3568252

	AIS	Total	SR's
36	932	932	0
Total	932	932	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121615	Prime	ROSELLE IL,2015,HILL STREET   STORM PIPE CULVER SIPP REHAB	JC	\$100,858	\$100,858

	AIS	Total	SR's
72	68	68	0
Total	68	68	

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	09-05-2014	12-11-2015
Customer	Owner	
Village of Roselle, IL- Public Works	Village of Roselle, IL- Public Works	
474 Congress Circle	474 Congress Circle	
DuPage	DuPage	
Roselle IL 60172	Roselle IL 60172	
+1 630 9802020	+1 630 9802020	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121620	Prime	MVP PLUMBING CORP.,FED EX BLDG   FED EX BLDG. CIPP REHAB	JC	\$40,425	\$41,195

	AIS	Total	SR's
36	109	109	0
Total	109	109	

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	09-30-2014	11-16-2015
Customer	Owner	
FedEx-Location-Chicago, IL	FedEx-Location-Chicago,IL	
101 N. upper Wacker	101 N. upper Wacker	
Cook	Cook	
Chicago IL 60606	Chicago IL 60606	
+1 312 5780031	+1 312 5780031	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121621	Prime	DANVILLE SANIT.DIST, STONEY CRK   RELINE SEWERS VERMILLION HIGHTS	JC	\$385,902	\$366,721

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	08-11-2015	01-13-2016

Customer	Owner
Danville Sanitary District-Danville, IL 16161 Grape Creek Rd. Po Box 724 Vermillion Danville IL 61834-0724 +1 217 4423193	Danville Sanitary District-Danville, IL 16161 Grape Creek Rd. Po Box 724 Vermillion Danville IL 61834-0724 +1 217 4423193

	STD	Total	SR's
42	348	348	0
Total	348	348	

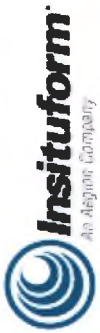
JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121627	Prime	NAPERVILLE IL, RAYMOND DR PH 2   INTERCEPTOR SEWER CIPP REHAB	JC	\$1,030,012	\$1,004,909

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	10-06-2015	10-25-2016

Customer	Owner
City of Naperville, IL-City Hall 400 South Eagle Street DuPage Naperville IL 60540 +1 630 4206111	City of Naperville, IL-City Hall 400 South Eagle Street DuPage Naperville IL 60540 +1 630 4206111

	STD	Total	SR's
36	2,784	2,784	0
Total	2,784	2,784	



JDE Job Number	Role	Project Description	Contract Value	Project Status	Final Contract Amount
121662	Prime	NAPERVILLE IL,RAYMOND DR,PH 3   INTERCEPTOR SEWER CIPP REHAB	\$401,430	JC	\$362,282

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	06-20-2016	09-30-2016
Customer	Owner	
City of Naperville, IL-City Hall 400 South Eagle Street DuPage Naperville IL 60540 +1 630 4206111	City of Naperville, IL-City Hall 400 South Eagle Street DuPage Naperville IL 60540 +1 630 4206111	

	AIS	STD	Total	SR's
36	1,220	147	1,367	0
Total	1,220	147	1,367	

JDE Job Number	Role	Project Description	Contract Value	Project Status	Final Contract Amount
121683	Prime	THORN CREEK BASIN SANIT.DIST.   2016 CIPP SEW.PJ.CMT#150440306	\$3,247,239	JC	\$3,354,392

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	02-15-2017	06-05-2018
Customer	Owner	
Thorn Creek Basin Sanitary District- Chicago Heights,IL 700 W End Avenue Cook Chicago Heights IL 60411-2771 +1 708 7540525	Thorn Creek Basin Sanitary District- Chicago Heights,IL 700 W End Avenue Cook Chicago Heights IL 60411-2771 +1 708 7540525	

	AIS	STD	Total	SR's
36	3,186	0	3,186	0
42	1,933	1,321	3,254	
48	314	3,610	3,924	
Total	5,433	4,931	10,364	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121684	Sub	PATH CONSTRUCTION CO.,WAUKEGAN   LAKE CO.CONCRETE REPAIRS#13R12	JC	\$203,305	\$201,605

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	11-20-2015	09-28-2017

Customer	Owner
PATH Central Construction Services	North Shore Sanitary District- Gurnee,IL
125 East Algonquin Rd. Cook Arlington Hts IL 60005	PO BOX 750 WM Koepsel Drive Lake Gurnee IL 60031
+1 847 3987100	+1 847 6236060

	AIS	Total	SR's
36	219	219	0
Total	219	219	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121698	Prime	PARK FOREST IL, THORN CREEK   THORN CREEK TRIBUTARY D STORM	JC	\$785,423	\$846,287

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	06-30-2017	04-27-2018

Customer	Owner
Village of Park Forest, IL - Public Works	Village of Park Forest, IL - Public Works
350 Victory Drive Cook Park Forest IL 60466	350 Victory Drive Cook Park Forest IL 60466
+1 708 5037702	+1 708 5037702

	AIS	STD	Total	SR's
54	1,888	438	2,326	0
Total	1,888	438	2,326	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121703	Sub	MERRYMAN EXCAVATION, INC.   BUFFALO GROVE TRANSMISSION	JC	\$187,171	\$194,239

Project Manager	Bid Date	Project Close Date	SIT	Total	SR's
Burbank, Thomas A	02-14-2017	11-20-2017	48	42	0
Total			42	42	

Customer	Owner
Merryman Excavation	Northwest Water Commission
1501 Lamb Rd	1525 N Wolf Rd
McHenry	Cook
Woodstock IL 60098	DesPlaines IL 60016-1181
+1 815 3371700	+1 847 6350777

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121706	Prime	EVANSTON IL,MULFORD, BID#17-26   MULFORD ST. PART 2 LARGE DIAM.	JC	\$362,968	\$364,076

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Burbank, Thomas A	07-25-2017	05-29-2018	60	809	0
Total			809	809	

Customer	Owner
City of Evanston, IL	City of Evanston, IL
2100 Ridge Avenue	2100 Ridge Avenue
Cook	Cook
Evanston IL 60201-2716	Evanston IL 60201-2716
+1 847 8662942	+1 847 8662942

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121720	Prime	GALESBURG SANITARY DIST.,2018   2018 SANITARY SEWER LINING	JC	\$365,134	\$368,528

Project Manager	Bid Date	Project Close Date
Burbank, Thomas A	05-11-2018	04-10-2019

Customer	Owner
Galesburg Sanitary District- Galesburg, IL	Galesburg Sanitary District- Galesburg, IL
2700 West Main Street Knox Galesburg IL 61401	2700 West Main Street Knox Galesburg IL 61401
+1 309 3420131	+1 309 3420131

	AIS	Total	SR's
36	185	185	0
Total	185	185	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121730	Prime	NORMAL IL, 2018 REHAB   CIPP SEW. REH,C#50875204326645	JC	\$310,718	\$307,378

Project Manager	Bid Date	Project Close Date
Reeves, Willis M	07-03-2018	02-26-2019

Customer	Owner
Town of Normal, IL 100 E Phoenix Ave McLean Normal IL 61761-3018	Town of Normal, IL 100 E Phoenix Ave McLean Normal IL 61761-3018
+1 309 4542444	+1 309 4542444

	AIS	STD	Total	SR's
42	271	500	771	0
Total	271	500	771	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121739	Prime	BUFFALO GROVE IL,VOBG-2018-28   VOBG-201828,NAVAJO STORM SEWER	JC	\$155,068	\$148,385

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Sanchez, Gerardo	09-06-2018	01-08-2019	36	813	0
Total			813	813	

Customer	Owner
Village of Buffalo Grove, IL	Village of Buffalo Grove, IL
51 Raupp Blvd	51 Raupp Blvd
Lake	Lake
Buffalo Grove IL 60089	Buffalo Grove IL 60089
+1 847 4592547	+1 847 4592547

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121745	Prime	FOX METRO WATER RECLAM.KANE CO   2018-2019 CIPP INTERC. LINING	JC	\$4,118,120	\$4,005,955

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sanchez, Gerardo	11-14-2018	04-21-2020	36	3,258	0
Total			42	4,092	
Total			7,350	7,350	

Customer	Owner
Fox Metro Water Reclamation District-Oswego,IL	Fox Metro Water Reclamation District-Oswego,IL
682 Rt 31	682 Rt 31
Kendall	Kendall
Oswego IL 60543	Oswego IL 60543
+1 630 8924378	+1 630 8924378

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121748	Prime	PARK RIDGE, IL -PW-FY-19-18   SWR LINING REHAB & TELEVISIONG	JC	\$539,376	\$568,702

Project Manager	Bid Date	Project Close Date
Sanchez, Gerardo	01-03-2019	07-27-2019

Customer	Owner
City of Park Ridge, IL 505 Butler Place Cook Park Ridge IL 60068-4173 +1 847 3185227	City of Park Ridge, IL 505 Butler Place Cook Park Ridge IL 60068-4173 +1 847 3185227

	AIS	Total	SR's
36	314	314	0
Total	314	314	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121769	Prime	NORTH SHORE WATER RECLAMATION   CIPP LINING LAKE FOREST, IL	JC	\$181,300	\$181,300

Project Manager	Bid Date	Project Close Date
Sanchez, Gerardo	04-17-2019	01-10-2021

Customer	Owner
North Shore Sanitary District- Gurnee,IL PO BOX 750 WM Koepsel Drive Lake Gurnee IL 60031 +1 847 6236060	North Shore Sanitary District- Gurnee,IL PO BOX 750 WM Koepsel Drive Lake Gurnee IL 60031 +1 847 6236060

	AIS	Total	SR's
48	273	273	0
Total	273	273	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121774	Sub	F.H. PASCHEN,SN NIELSEN&ASSOC   REAGAN MEMORIAL TOLLWAY I-88	JC	\$230,437	\$238,283

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Sanchez, Gerardo	03-22-2019	11-08-2019	138	138	0
<b>Total</b>			138	138	

Customer	Owner
F H Paschen Inc	Illinois State Toll Highway Authority- Downers Grove, IL 2700 Ogden Ave 5515 N East River Road Chicago Il 60656 Cook Chicago IL 60656 +1 847 6991595

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121776	Prime	BLUE ISLAND IL,2019, #18-R1069   2019 UNDERGROUND UTIL.REPAIR	JC	\$334,119	\$304,825

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sanchez, Gerardo	08-20-2019	06-19-2020	689	689	0
<b>Total</b>			689	689	

Customer	Owner
City of Blue Island, IL 13051 Greenwood Avenue Cook Blue Island IL 60406-2331 +1 708 5978600	City of Blue Island, IL 13051 Greenwood Avenue Cook Blue Island IL 60406-2331 +1 708 5978600

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121777	Prime	EVANSTON IL,CONT.B, BID#19-42   2019 SEWER REH,CONT.B,BID19-42	JC	\$339,234	\$376,738

Project Manager	Bid Date	Project Close Date
Sanchez, Gerardo	07-30-2019	02-26-2020
Customer	Owner	
City of Evanston, IL 2100 Ridge Avenue Cook Evanston IL 60201-2716 +1 847 8662942	City of Evanston, IL 2100 Ridge Avenue Cook Evanston IL 60201-2716 +1 847 8662942	

	AIS	Total	SR's
	36	120	0
	48	245	
<b>Total</b>	<b>365</b>	<b>365</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121781	Prime	GALESBURG SANITARY DIST.,2019   2019 SANITARY SEWER LINING	JC	\$203,424	\$202,298

Project Manager	Bid Date	Project Close Date
Reeves, Willis M	10-21-2019	04-14-2020
Customer	Owner	
Galesburg Sanitary District- Galesburg,IL 2700 West Main Street Knox Galesburg IL 61401 +1 309 3420131	Galesburg Sanitary District- Galesburg,IL 2700 West Main Street Knox Galesburg IL 61401 +1 309 3420131	

	AIS	Total	SR's
	36	619	0
<b>Total</b>	<b>619</b>	<b>619</b>	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121784	Prime	GLENDALE HEIGHTS IL, ARDMORE AV   CULVERT LINING ARDMORE AVE.	JC	\$173,184	\$173,958

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sanchez, Gerardo	11-01-2019	05-08-2020	42	402	0
Total			42	402	0

Customer	Owner
Village of Glendale Heights, IL	Village of Glendale Heights, IL
1615 Glen Eilyn Road	1615 Glen Eilyn Road
DuPage	DuPage
Glendale Heights IL 60139	Glendale Heights IL 60139
+1 630 2606040	+1 630 2606040

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121791	Prime	THORN CREEK BASIN SANIT.DIST.   STEGER RD. CIPP SEWER REHAB	JC	\$76,380	\$76,380

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Smith, Daniel James	02-13-2020	08-05-2020	42	100	0
Total			42	100	0

Customer	Owner
Thorn Creek Basin Sanitary District-Chicago Heights, IL	Thorn Creek Basin Sanitary District-Chicago Heights, IL
700 W End Avenue	700 W End Avenue
Cook	Cook
Chicago Heights IL 60411-2771	Chicago Heights IL 60411-2771
+1 708 7540525	+1 708 7540525

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121795	Prime	PARK RIDGE IL,PW-20-23   SWR LINING PROJ. PW-20-23	JC	\$622,086	\$584,310

Project Manager	Bid Date	Project Close Date
Smith, Daniel James	03-03-2020	01-10-2021

Customer	Owner
City of Park Ridge, IL 505 Butler Place Cook Park Ridge IL 60068-4173 +1 847 3185227	City of Park Ridge, IL 505 Butler Place Cook Park Ridge IL 60068-4173 +1 847 3185227

	AIS	Total	SR's
36	663	663	0
<b>Total</b>	<b>663</b>	<b>663</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
121801	Sub	WALSH CONSTRUCT. ,PROJ.#219091   BNSF BRIDGE OVER I294, I18-428	JC	\$127,397	\$140,900

Project Manager	Bid Date	Project Close Date
Andrade, Lindsay Dionne	06-06-2019	08-25-2020

Customer	Owner
Walsh Construction CO-Chicago, IL 929 W. Adams Street Cook Chicago IL 60607 +1 312 5636400	Illinois State Toll Highway Authority- Downers Grove, IL 2700 Ogden Ave 2700 Ogden Avenue DuPage Downers Grove IL 60515 +1 630 2416800

	AIS	Total	SR's
42	638	638	0
<b>Total</b>	<b>638</b>	<b>638</b>	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126171	Prime	NAPERVILLE IL, BID 20-204   BID20-204,N.PUMP STAT., PH III	JC	\$696,759	\$663,820

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Andrade, Lindsey Dionne	07-02-2020	05-08-2021	2,377	2,377	0
<b>Total</b>			<b>2,377</b>	<b>2,377</b>	<b>0</b>

Customer	Owner
City of Naperville, IL-City Hall 400 South Eagle Street DuPage Naperville IL 60540 +1 630 4206111	City of Naperville, IL-City Hall 400 South Eagle Street DuPage Naperville IL 60540 +1 630 4206111

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126372	Prime	CITIZENS ENERGY GRP, 10TH ST. &   WHITE RIVER SIPHON REHAB PROJ.	JC	\$2,293,614	\$2,678,269

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Sharpe, Curt Alex	06-28-2012	03-04-2013	1,697	1,697	0
<b>Total</b>			<b>1,697</b>	<b>1,697</b>	<b>0</b>

Customer	Owner
Citizens - Formerly City of Indianapolis, IN 2020 N Meridian Street Marion Indianapolis IN 46201 +1 317 9243341	Citizens - Formerly City of Indianapolis, IN 2020 N Meridian Street Marion Indianapolis IN 46201 +1 317 9243341

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126383	Prime	SOUTH BEND IN,PROJ.#112-054   2012/2013 SEWER REHAB	JC	\$948,764	\$935,828

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	10-04-2012	12-20-2013

Customer	Owner
City of South Bend,IN	City of South Bend,IN
3113 Riverside Drive	3113 Riverside Drive
St Joseph	St Joseph
South Bend IN 46628-3515	South Bend IN 46628-3515
+1 574 2778515	+1 574 2778515

STD	Total	SR's
36	269	0
Total	269	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126394	Sub	INDIANA RELINE,INDIANAPOLIS IN   INDOT #33397, PO#1379	JC	\$112,232	\$92,837

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	10-11-2012	03-18-2013

Customer	Owner
Indiana Reline Inc-Sulphur Springs, IN	Department of Transportation - State of Indiana-Indianapolis, IN
312 E Main Street P O Box 5	100 North Senate Ave.
Henry	Marion
Sulphur Springs IN 47388	Indianapolis IN 46204
+1 765 5335040	+1 317 2326787

AIS	Total	SR's
54	388	0
Total	388	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126398	Sub	TEMPLE & TEMPLE EXCAV.&PAVING   PROJ.#R34532, SLIP LINING SR60	JC	\$87,375	\$56,655

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sharpe, Curt Alex	10-11-2012	04-05-2013	60	90	0
Total			90	90	

Customer	Owner
Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126405	Prime	CITIZENS ENERGY GRP,SUGARGROVE   LRG DIAM. SEW.REH,P.#CS-00-028	JC	\$2,872,073	\$3,669,354

Project Manager	Bid Date	Project Close Date	AIS	STD	Total	SR's
Sharpe, Curt Alex	04-23-2013	07-26-2014	36	0	2,067	0
Total			38	0	778	778
Total			42	0	794	794
Total			46	0	308	308
Total			47	0	1,695	1,695
Total			48	496	375	871
Total			54	0	275	275
Total			62	0	1,271	1,271
Total			496	7,563	8,059	

Customer	Owner
Citizens - Formerly City of Indianapolis, IN 2020 N Meridian Street Marion Indianapolis IN 46201 +1 317 9243341	Citizens - Formerly City of Indianapolis, IN 2020 N Meridian Street Marion Indianapolis IN 46201 +1 317 9243341

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126406	Prime	MUNCIE SANIT. DIST. WHITE RIVER   INTERCEPTOR REHAB PROJECT	JC	\$4,955,674	\$4,752,748

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	03-21-2013	05-05-2014
Customer	Owner	
Muncie Sanitary District-Muncie, IN 5120 Kilgore Avenue Delaware Muncie IN 47304-4709 +1 765 7474879	Muncie Sanitary District-Muncie, IN 5120 Kilgore Avenue Delaware Muncie IN 47304-4709 +1 765 7474879	

	AIS	STD	Total	SR's
42	1,224	5,044	6,268	0
48	0	1,433	1,433	
54	0	2,859	2,859	
60	0	4,450	4,450	
<b>Total</b>	<b>1,224</b>	<b>13,786</b>	<b>15,010</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126415	Sub	COASTAL GUNITE CORP. MUNCIE IN   PRINCIPAL OUTFALL P.I.#WC20122	JC	\$264,634	\$208,367

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	03-22-2013	04-01-2014
Customer	Owner	
Muncie Sanitary District-Muncie, IN 5120 Kilgore Avenue Delaware Muncie IN 47304-4709 +1 765 7474879	Muncie Sanitary District-Muncie, IN 5120 Kilgore Avenue Delaware Muncie IN 47304-4709 +1 765 7474879	

	STD	Total	SR's
36	202	202	0
40	313	313	
46	193	193	
<b>Total</b>	<b>708</b>	<b>708</b>	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126417	Sub	RIETH-RILEY CONS CROWNPOINT IN   R-34385 I-65 RESURFACE	JC	\$176,300	\$176,300

	AIS	Total	SR's
42	169	169	0
47	188	188	
<b>Total</b>	<b>357</b>	<b>357</b>	

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	02-06-2013	09-29-2013
Customer	Owner	
Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126418	Sub	RIETH-RILEY CONS.BENTON CO. IN   R-31582 US-41 SM STRUCTURE REP	JC	\$70,185	\$66,131

	STD	Total	SR's
42	180	180	0
<b>Total</b>	<b>180</b>	<b>180</b>	

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	01-21-2013	10-29-2013
Customer	Owner	
Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126423	Prime	FORT WAYNE IN, 2013, PKG#1   WO#75889,LARGE DIAMETER	JC	\$1,081,428	\$1,102,629

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	06-26-2013	02-14-2014

Customer	Owner
City of Fort Wayne, IN-City Utilities Engineering	City of Fort Wayne, IN-City Utilities Engineering
200 East Berry Street Suite 250 City-County Building Allen Fort Wayne IN 46801	200 East Berry Street Suite 250 City-County Building Allen Fort Wayne IN 46801
+1 260 4275066	+1 260 4275066

	AIS	STD	Total	SR's
42	1,193	3,650	4,843	0
48	556	0	556	
<b>Total</b>	<b>1,749</b>	<b>3,650</b>	<b>5,399</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126427	Prime	CITIZENS ENERGY GRP,COLLEGE AV   32NDT036TH SEW,REH,PO#137719	JC	\$1,653,789	\$1,777,355

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	07-19-2013	02-20-2014

Customer	Owner
Citizens - Formerly City of Indianapolis, IN	Citizens - Formerly City of Indianapolis, IN
2020 N Meridian Street Marion Indianapolis IN 46201	2020 N Meridian Street Marion Indianapolis IN 46201
+1 317 9243341	+1 317 9243341

	AIS	Total	SR's
72	2,288	2,288	0
<b>Total</b>	<b>2,288</b>	<b>2,288</b>	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126437	Prime	CITIZENS ENERGY GRP LICK CREEK   LICK CREEK LDRS MSA PROJ 2013	JC	\$210,219	\$235,827

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Sharpe, Curt Alex	12-03-2013	04-29-2014	922	922	0
Total			922	922	

Customer	Owner
Citizens - Formerly City of Indianapolis, IN	Citizens - Formerly City of Indianapolis, IN
2020 N Meridian Street Marion Indianapolis IN 46201	2020 N Meridian Street Marion Indianapolis IN 46201
+1 317 9243341	+1 317 9243341

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126438	Sub	INDIANA RELINE,WABASH COUNTY   INDOT #34253-A, US 24	JC	\$163,750	\$159,050

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sharpe, Curt Alex	10-09-2013	06-06-2014	238	238	0
Total			188	188	
Total			426	426	

Customer	Owner
Indiana Reline Inc-Sulphur Springs, IN 312 E Main Street P O Box 5 Henry Sulphur Springs IN 47388	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204
+1 765 5335040	+1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12643801	Sub	INDIANA RELINE,MIAMI COUNTY   INDOT #34253-A, US 24	JC	\$62,304	\$62,304

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	10-09-2013	05-08-2014

Customer	Owner
Indiana Reline Inc-Sulphur Springs, IN 312 E Main Street P O Box 5 Henry Sulphur Springs IN 47388 +1 765 5335040	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

	STD	Total	SR's
41	250	250	0
Total	250	250	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
1264339	Prime	CITIZENS ENERGY GRP,56TH & WF   WESTFIELD, P,I,2013,PO#143241	JC	\$2,279,807	\$2,880,040

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	11-15-2013	06-25-2014

Customer	Owner
Citizens - Formerly City of Indianapolis, IN 2020 N Meridian Street Marion Indianapolis IN 46201 +1 317 9243341	Citizens - Formerly City of Indianapolis, IN 2020 N Meridian Street Marion Indianapolis IN 46201 +1 317 9243341

	STD	Total	SR's
36	6,068	6,068	0
Total	6,068	6,068	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126442	Sub	TEMPLE & TEMPLE EXC&PAV, I-465   INDOT#R34173, PIPE LINING I-165	JC	\$151,606	\$151,606

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sharpe, Curt Alex	10-09-2013	03-22-2014	170	170	0
Total			170	170	

Customer	Owner
Temple and Temple-Salem, IN 1367 IN-60 Washington Salem IN 47167	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204
+1 5	+1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126443	Sub	TEMPLE & TEMPLE EXC&PAV, I-69   INDOT#R34174, PIPE LINING I-69	JC	\$335,365	\$335,365

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sharpe, Curt Alex	11-06-2013	08-22-2014	673	673	0
Total			673	673	

Customer	Owner
Temple and Temple-Salem, IN 1367 IN-60 Washington Salem IN 47167	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204
+1 5	+1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126444	Sub	INDIANA RELINE,WINSLOW IN   INDOT #34080-A,SR 364	JC	\$90,900	\$60,427

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sharpe, Curt Alex	12-11-2013	06-07-2014	70	70	0
Total			70	70	

Customer	Owner
Indiana Reline Inc-Sulphur Springs, IN 312 E Main Street P O Box 5 Henry Sulphur Springs IN 47388 +1 765 5335040	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126445	Sub	INDIANA RELINE, MARION CO, IN   INDOT #34190-A,I-465 ENTR.RAMP	JC	\$37,500	\$29,074

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sharpe, Curt Alex	12-11-2013	07-23-2014	62	62	0
Total			62	62	

Customer	Owner
Indiana Reline Inc-Sulphur Springs, IN 312 E Main Street P O Box 5 Henry Sulphur Springs IN 47388 +1 765 5335040	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126446	Sub	INDIANA RELINE, FISHERS IN   INDOT#34772-A,I-69 HAMILTON CO	JC	\$72,930	\$72,930

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sharpe, Curt Alex	01-15-2014	07-18-2014	222	222	0
Total			222	222	

Customer	Owner
Indiana Reline Inc-Sulphur Springs, IN 312 E Main Street P O Box 5 Henry Sulphur Springs IN 47388 +1 765 5335040	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126451	Sub	TEMPLE & TEMPLE EXC&PAV SHELBY   INDOT#R34184-A,SULP LINE SR 9	JC	\$61,225	\$60,552

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sharpe, Curt Alex	09-11-2013	04-23-2014	90	90	0
Total			90	90	

Customer	Owner
Temple and Temple-Salem, IN 1367 IN-60 Washington Salem IN 47167 +1 5	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126452	Sub	R.L. MCCOY,FORT WAYNE IN   INDOT R-35409-A, MCCOY J#7-114	JC	\$74,909	\$74,909

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	01-15-2014	08-26-2014

Customer	Owner
R.L. Mccoy, Inc.-Columbia City, IN 7898 East Lincolnway Whitley Columbia City IN 46725 +1 260 6253443	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

	AIS	Total	SR's
	42	216	0
<b>Total</b>	<b>216</b>	<b>216</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126455	Sub	INDIANA RELINE,ST. JOSEPH CO.   INDOT #33349-A,US 6,US 31	JC	\$89,863	\$89,863

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	01-15-2014	08-01-2014

Customer	Owner
Indiana Reline Inc-Sulphur Springs, IN 312 E Main Street P O Box 5 Henry Sulphur Springs IN 47388 +1 765 5335040	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

	AIS	Total	SR's
	72	80	0
<b>Total</b>	<b>80</b>	<b>80</b>	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126458	Prime	CITIZENS ENERGY GRP, INDIANAPOL   N.DOWNTOWN&VAR. LOC.(LDSR-MSA)	JC	\$3,118,938	\$3,521,826

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	04-30-2014	10-12-2015
Customer	Owner	
Citizens - Formerly City of Indianapolis, IN 2020 N Meridian Street Marion Indianapolis IN 46201	Citizens - Formerly City of Indianapolis, IN 2020 N Meridian Street Marion Indianapolis IN 46201	
+1 317 9243341	+1 317 9243341	

	AIS	STD	Total	SR's
36	161	1,017	1,178	0
45	261	0	261	
49	0	503	503	
52	0	345	345	
56	0	515	515	
<b>Total</b>	<b>422</b>	<b>2,380</b>	<b>2,802</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126466	Sub	MIDWEST MOLE, INDOT R-34849A   CIPP REHAB TIPTON COUNTY	JC	\$54,360	\$54,360

Project Manager	Bid Date	Project Close Date
Sharpe, Curt Alex	11-06-2013	08-06-2014
Customer	Owner	
Midwest Mole-Greenfield, IN 6814 WEST 350 NORTH Hancock Greenfield IN 46410	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204	
+1 317 5451335	+1 317 2326787	

	AIS	Total	SR's
60	73	73	0
<b>Total</b>	<b>73</b>	<b>73</b>	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126467	Sub	MIDWEST MOLE, INDOT R-34188-A   CIPP REHAB MARION COUNTY	JC	\$60,373	\$60,373

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Sharpe, Curt Alex	11-06-2013	08-29-2014	56	56	0
<b>Customer</b>					
Department of Transportation - State of Indiana-Indianapolis, IN					
8814 WEST 350 NORTH Hancock Greenfield IN 46410 Indianapolis IN 46204					
+1 317 5451335					

36	56	56	0
<b>Total</b>	<b>56</b>	<b>56</b>	<b>0</b>

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126468	Sub	MIDWEST MOLE, INDOT R-34187-A   CIPP REHAB MARION COUNTY	JC	\$67,670	\$67,670

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Sharpe, Curt Alex	11-06-2013	08-11-2014	176	176	0
<b>Customer</b>					
Department of Transportation - State of Indiana-Indianapolis, IN					
100 North Senate Ave. Marion Indianapolis IN 46204					
+1 317 2326787					

48	176	176	0
<b>Total</b>	<b>176</b>	<b>176</b>	<b>0</b>



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126477	Prime	TWIN CREEKS CONSERVANCY DIST.   STORM SEWER REHAB	JC	\$311,706	\$383,826

Project Manager	Bld Date	Project Close Date	STD	Total	SR's
Quillen Jr, Kenneth R	09-11-2014	12-31-2015	36	327	0
			42	326	
			Total	653	

Customer	Owner
Twin Creeks Conservancy District-Portage, IN	Twin Creeks Conservancy District-Portage, IN
Porter Portage IN 46368 +1 219 5555555	Porter Portage IN 46368 +1 219 5555555

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126482	Prime	EVANSVILLE W&S UTIL - 2014   CIPP LARGE DIAM. SEWER LINING	JC	\$1,234,742	\$1,236,919

Project Manager	Bld Date	Project Close Date	STD	Total	SR's
Quillen Jr, Kenneth R	10-14-2014	08-19-2015	60	335	0
			72	1,178	
			Total	1,513	

Customer	Owner
Evansville Water & Sewer Utility-Evansville, IN 1 Martin Luther King Boulevard Vanderburgh Evansville IN 47714 +1 812 4367853	Evansville Water & Sewer Utility-Evansville, IN 1 Martin Luther King Boulevard Vanderburgh Evansville IN 47714 +1 812 4367853



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126483	Sub	PROSHOT CONCRETE, INC.   CITY OF TERRE HAUTE SWR REHAB	JC	\$703,513	\$716,967

Project Manager	Bid Date	Project Close Date
Quillen Jr, Kenneth R	09-23-2014	08-18-2015

Customer	Owner
City of Terre Haute, IN	City of Terre Haute, IN
17 Harding Avenue	17 Harding Avenue
Vigo	Vigo
Terre Haute IN 47807-3437	Terre Haute IN 47807-3437
+1 812 2324028	+1 812 2324028

	STD	Total	SR's
	42	1,376	0
	48	1,407	
<b>Total</b>	<b>2,783</b>	<b>2,783</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126488	Sub	JBI CONSTRUCTION, WARRICK CO IN   SR61-WARRICK CO., RS-30688-A	JC	\$204,421	\$199,206

Project Manager	Bid Date	Project Close Date
Quillen Jr, Kenneth R	12-18-2014	10-27-2015

Customer	Owner
Department of Transportation - State of Indiana-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
100 North Senate Ave.	100 North Senate Ave.
Marion	Marion
Indianapolis IN 46204	Indianapolis IN 46204
+1 317 2326787	+1 317 2326787

	AIS	Total	SR's
	55	148	0
	60	125	
<b>Total</b>	<b>273</b>	<b>273</b>	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126492	Sub	INDIANA RELINE, GREENFIELD IN   INDOT#35734-A,I-70HENRY/HANCOG	JC	\$294,497	\$95,734

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Niles, Shaun Michael	11-13-2014	11-02-2015	47	376	0
			60	430	
<b>Customer</b>	<b>Owner</b>		<b>Total</b>	<b>806</b>	<b>806</b>

Indiana Reline Inc-Sulphur Springs, IN  
 312 E Main Street P O Box 5  
 Henry  
 Sulphur Springs IN 47388  
 +1 765 5335040

Department of Transportation - State  
 of Indiana-Indianapolis, IN  
 100 North Senate Ave.  
 Marion  
 Indianapolis IN 46204  
 +1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126493	Sub	INDIANA RELINE, FRANKLIN IN   INDOT#34688 I-65 JOHNSON/SHELB	JC	\$255,750	\$258,511

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Niles, Shaun Michael	12-10-2014	07-07-2015	45	148	0
				148	
<b>Customer</b>	<b>Owner</b>		<b>Total</b>	<b>148</b>	<b>148</b>

Indiana Reline Inc-Sulphur Springs, IN  
 312 E Main Street P O Box 5  
 Henry  
 Sulphur Springs IN 47388  
 +1 765 5335040

Department of Transportation - State  
 of Indiana-Indianapolis, IN  
 100 North Senate Ave.  
 Marion  
 Indianapolis IN 46204  
 +1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126494	Sub	BOWEN ENGINEERING,LAFAYETTE IN   DURKEES RUN PH#4,BOWEN1415023	JC	\$2,033,937	\$2,408,820

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	11-20-2014	10-02-2015

Customer	Owner
Bowen Engineering Corporation-Indianapolis,IN	City of Lafayette, IN
8802 North Meridian Street Marion Indianapolis IN 46260	20 N 6th Street Tippecanoe Lafayette IN 47901-1412
+1 317 8422616	+1 317 4768404

	STD	Total	SR's
	36	3,770	0
	42	1,242	
	48	5,017	
<b>Total</b>		<b>10,029</b>	<b>10,029</b>

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126496	Sub	INDIANA RELINE,FORT WAYNE IN   INDOT#R-30753 US 30 ALLEN CO.	JC	\$206,228	\$94,587

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	12-10-2014	06-26-2015

Customer	Owner
Indiana Reline Inc-Sulphur Springs, IN	Department of Transportation - State of Indiana-Indianapolis, IN
312 E Main Street P O Box 5 Henry Sulphur Springs IN 47388	100 North Senate Ave. Marion Indianapolis IN 46204
+1 765 5335040	+1 317 2326787

	AIS	Total	SR's
	58	170	0
	72	182	
<b>Total</b>		<b>352</b>	<b>352</b>



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126501	Sub	YARBERRY LANDSCAPE, INDOT   PIPELINING CONTRACT R-34272	JC	\$78,587	\$79,470

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Niles, Shaun Michael	04-01-2015	10-02-2015	180	180	0
<b>Total</b>			180	180	

**Customer**  
 Yarberrry Landscape Co-Indianapolis,IN  
 N/A  
 Marion Indianapolis IN 46281  
 +1 555 1234567

**Owner**  
 Department of Transportation - State of Indiana-Indianapolis, IN  
 100 North Senate Ave.  
 Marion Indianapolis IN 46204  
 +1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126502	Sub	INDIANA RELINE,INDIANAPOLIS IN   INDOT#R-35698-A, 38TH STREET	JC	\$125,698	\$124,503

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Niles, Shaun Michael	05-04-2015	06-17-2015	281	281	0
<b>Total</b>			281	281	

**Customer**  
 Indiana Reline Inc-Sulphur Springs, IN 312 E Main Street P O Box 5 Henry Sulphur Springs IN 47388  
 +1 765 5335040

**Owner**  
 Department of Transportation - State of Indiana-Indianapolis, IN  
 100 North Senate Ave.  
 Marion Indianapolis IN 46204  
 +1 317 2326787



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126505	Sub	TEMPLE & TEMPLE EX.BARTHOLOMEW   INDOT#R34697, I-65 BARTHOLOMEW	JC	\$95,622	\$95,294

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	06-09-2015	08-14-2015

Customer	Owner
Department of Transportation - State of Indiana-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
100 North Senate Ave. Marion Indianapolis IN 46204	100 North Senate Ave. Marion Indianapolis IN 46204
+1 317 2326787	+1 317 2326787

	AIS	Total	SR's
54	280	280	0
Total	280	280	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126507	Sub	TEMPLE & TEMPLE EXC.,WHITE CO.   INDOT#R34989,I-65 WHITE COUNTY	JC	\$229,468	\$231,653

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	04-01-2015	09-18-2015

Customer	Owner
Temple and Temple-Salem, IN	Department of Transportation - State of Indiana-Indianapolis, IN
1367 IN-60 Washington Salem IN 47167	100 North Senate Ave. Marion Indianapolis IN 46204
+1 5	+1 317 2326787

	AIS	Total	SR's
42	357	357	0
60	234	234	
Total	591	591	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126508	Prime	GREENWOOD IN, PLEASANT RUN ,PH1   CIP SANIT. SEWER REHAB DIV A2	JC	\$459,687	\$394,489

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Niles, Shaun Michael	06-10-2015	05-20-2016	1,170	1,170	0
Total			1,170	1,170	0

Customer	Owner
City of Greenwood, IN	City of Greenwood, IN
291 Howard Rd	291 Howard Rd
Johnson	Johnson
Greenwood IN 46142	Greenwood IN 46142
+1 317 8813131	+1 317 8813131

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126519	Prime	ANDERSON IN, 48" PROJECT   48" CIPP REHAB PROJECT	JC	\$170,696	\$167,642

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Niles, Shaun Michael	09-30-2015	03-24-2016	360	360	0
Total			360	360	0

Customer	Owner
City of Anderson, IN	City of Anderson, IN
City Hall	City Hall
Madison	Madison
Anderson IN 46011	Anderson IN 46011
+1 765 6486118	+1 765 6486118

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126523	Sub	SUNESIS CONSTR.TERRE HAUTE IN   AMEC-DUKE WABASH WR 20-21 LINI	JC	\$147,459	\$164,903

Project Manager	Bid Date	Project Close Date
Quillen Jr, Kenneth R	10-12-2015	12-11-2015

Customer	Owner
Duke Energy-Division-Plainfield,IN 1000 E Main Street Hendricks Plainfield IN 46168 +1 800 5212232	Duke Energy-Division-Plainfield,IN 1000 E Main Street Hendricks Plainfield IN 46168 +1 800 5212232

	AIS	Total	SR's
36	983	983	0
Total	983	983	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126526	Sub	TEMPLE & TEMPLE EXC.BEDFORD IN   INDOT#R-34693.SR 446.LAWRENCE	JC	\$169,032	\$164,046

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	12-08-2015	02-29-2016

Customer	Owner
Temple and Temple-Salem, IN 1367 IN-60 Washington Salem IN 47167 +1 5	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

	AIS	Total	SR's
42	148	148	0
60	195	195	
Total	343	343	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126532	Sub	MIDWEST MOLE, INDOT R-37159-A   CIPP REHAB MIAMI COUNTY	JC	\$266,448	\$293,529

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Niles, Shaun Michael	11-11-2015	07-20-2016	42	208	0
			48	256	
			60	437	
<b>Customer</b>	<b>Owner</b>		<b>Total</b>	<b>901</b>	<b>901</b>

Department of Transportation - State of Indiana-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
100 North Senate Ave. Marion Indianapolis IN 46204	100 North Senate Ave. Marion Indianapolis IN 46204
+1 317 2326787	+1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126539	Sub	T&T PIPE RENOVATIONS.MONTGOMER   INDOT R-34583,CRAWFORDSVILLE	JC	\$47,046	\$189,925

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Niles, Shaun Michael	03-03-2016	07-06-2016	72	73	0
			<b>Total</b>	<b>73</b>	<b>73</b>

Department of Transportation - State of Indiana-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
100 North Senate Ave. Marion Indianapolis IN 46204	100 North Senate Ave. Marion Indianapolis IN 46204
+1 317 2326787	+1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12653901	Sub	T&T PIPE RENOVATIONS,WARREN CO   INDOT R-34583,CRAWFORDSVILLE	JC	\$47,046	

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	05-25-2016	07-13-2016

Customer	Owner
Department of Transportation - State of Indiana-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
100 North Senate Ave. Marion Indianapolis IN 46204	100 North Senate Ave. Marion Indianapolis IN 46204
+1 317 2326787	+1 317 2326787

	AIS	Total	SR's
66	62	62	0
Total	62	62	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12653902	Sub	T&T PIPE RENOVAT.,VERMILLION   INDOT R-34583,CRAWFORDSVILLE	JC	\$36,749	

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	05-25-2016	07-12-2016

Customer	Owner
Department of Transportation - State of Indiana-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
100 North Senate Ave. Marion Indianapolis IN 46204	100 North Senate Ave. Marion Indianapolis IN 46204
+1 317 2326787	+1 317 2326787

	AIS	Total	SR's
42	99	99	0
Total	99	99	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12653903	Sub	T&T PIPE RENOVAT., HENDRICKS CO   INDOT R-34583, CRAWFORDSVILLE	JC	\$57,272	

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Niles, Shaun Michael	05-25-2016	07-08-2016	43	43	0
Total			43	43	

Customer	Owner
Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126542	Sub	BROOKS CONST. - INDOT   INDOT #RS-34916, I-69	JC	\$82,434	\$82,434

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Niles, Shaun Michael	04-06-2016	08-19-2016	280	280	0
Total			280	280	

Customer	Owner
Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126547	Prime	FORT WAYNE IN,E STATE&BELLSHIR   E.STATE & BELLSHIRE STORM CIPP	JC	\$103,380	\$91,542

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	07-20-2016	10-14-2016
Customer	Owner	
City of Fort Wayne, IN-City Utilities Engineering	City of Fort Wayne, IN-City Utilities Engineering	
200 East Berry Street Suite 250 City-County Building Allen Fort Wayne IN 46801	200 East Berry Street Suite 250 City-County Building Allen Fort Wayne IN 46801	
+1 260 4275066	+1 260 4275066	

	AIS	Total	SR's
36	499	499	0
Total	499	499	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126548	Sub	MILESTONE CONTRAC.,HAMILTON CO   I-69 MAJOR MOVES 2020 EXP. PRJ	JC	\$750,781	\$1,309,008

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	03-21-2016	12-07-2018
Customer	Owner	
Milestone Contractors-Richmond,IN 824 Dillon Dr Wayne Richmond IN 47374	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204	
+1 765 9354231	+1 317 2326787	

	AIS	Total	SR's
40	178	178	0
42	188	188	
48	219	219	
52	195	195	
54	441	441	
60	228	228	
Total	1,449	1,449	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126554	Sub	MUNICIPAL & CONTRACT. SEALING   SM. STRUCT.PPIPE LINING & STORM	JC	\$183,245	\$160,918

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Niles, Shaun Michael	08-03-2016	11-18-2016	36	355	0
			41	42	
			42	59	
			49	50	
<b>Total</b>				<b>506</b>	

Customer	Owner
City of Carmel, IN	City of Carmel, IN
1 Civic Square	1 Civic Square
3450 W 131st Street	3450 W 131st Street
Hamilton	Hamilton
Carmel IN 46032-2584	Carmel IN 46032-2584
+1 317 5712400	+1 317 5712400

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126568	Prime	FORT WAYNE IN,2016 CIPP PKG#1   2016 PKG1 SM&MED DIAM WOV#76223	JC	\$1,882,607	\$1,738,660

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Glinderske, Duane A	12-14-2016	04-20-2018	36	77	0
				77	
<b>Total</b>				<b>77</b>	

Customer	Owner
City of Fort Wayne, IN-City Utilities Engineering	City of Fort Wayne, IN-City Utilities Engineering
200 East Berry Street Suite 250	200 East Berry Street Suite 250
City-County Building	City-County Building
Allen	Allen
Fort Wayne IN 46801	Fort Wayne IN 46801
+1 260 4275066	+1 260 4275066

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126571	Sub	T&T PIPE RENOVATIONS,FRANKLIN   INDOT R-33857FRANKLIN CO.SR101	JC	\$62,004	\$62,630

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	12-14-2016	03-22-2017

Customer	Owner
Department of Transportation - State of Indiana-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
100 North Senate Ave. Marion Indianapolis IN 46204	100 North Senate Ave. Marion Indianapolis IN 46204
+1 317 2326787	+1 317 2326787

	STD	Total	SR's
48	100	100	0
Total	100	100	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126572	Prime	PORTAGE UTIL. IN,PROJ.#PUSB16   CIPP PROJECT #PUSB16	JC	\$648,504	\$501,637

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	12-15-2016	06-13-2018

Customer	Owner
City of Portage, IN	City of Portage, IN
6070 Central Ave Porter Portage IN 46368	6070 Central Ave Porter Portage IN 46368
+1 219 7621815	+1 219 7621815

	STD	Total	SR's
42	413	413	0
Total	413	413	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126574	Prime	SOUTH BEND IN PROJ.#116-026   2016 MH & SEWER LINING#116-026	JC	\$1,543,093	\$2,837,196

Project Manager	COM	Total	SR's
Ginderske, Duane A	66	2,764	0
	72	1,683	
<b>Total</b>		<b>4,447</b>	

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	12-20-2016	11-17-2017
Customer	Owner	
City of South Bend, IN	City of South Bend, IN	
3113 Riverside Drive	3113 Riverside Drive	
St. Joseph	St. Joseph	
South Bend IN 46628-3515	South Bend IN 46628-3515	
+1 574 2778515	+1 574 2778515	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126579	Prime	ANDERSON IN, GREENSBRANCH   GREENSBRANCH SEWER REHAB PROJ.	JC	\$3,914,153	\$3,821,299

Project Manager	COM	Total	SR's
Niles, Shaun Michael	84	1,184	0
	96	2,294	
<b>Total</b>		<b>3,478</b>	

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	01-17-2017	04-16-2019
Customer	Owner	
City of Anderson, IN	City of Anderson, IN	
City Hall	City Hall	
Madison	Madison	
Anderson IN 46011	Anderson IN 46011	
+1 765 6486118	+1 765 6486118	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126583	Sub	GRADEX INC, RICHMOND IN   INDOT#30397,US27 O ST,TO SR227	JC	\$340,273	\$339,007

Project Manager	Bid Date	Project Close Date
Niles, Shaun Michael	01-19-2017	05-25-2018
Customer	Owner	
Department of Transportation - State of Indiana-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN	
100 North Senate Ave. Marion Indianapolis IN 46204	100 North Senate Ave. Marion Indianapolis IN 46204	
+1 317 2326787	+1 317 2326787	

	STD	Total	SR's
	38	191	0
	39	157	
	40	586	
<b>Total</b>		<b>934</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126600	Prime	CITIZENS ENERGY GRP,PO#194282   30TH-32ND SHADELAND SEW REHAB	JC	\$2,852,657	\$3,054,440

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	07-18-2017	11-09-2017
Customer	Owner	
Citizens - Formerly City of Indianapolis, IN	Citizens - Formerly City of Indianapolis, IN	
2020 N Meridian Street Marion Indianapolis IN 46201	2020 N Meridian Street Marion Indianapolis IN 46201	
+1 317 9243341	+1 317 9243341	

	AIS	STD	Total	SR's
	36	1,959	447	2,406
	42	1,040	0	1,040
<b>Total</b>		<b>2,999</b>	<b>447</b>	<b>3,446</b>





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126603	Prime	PORTAGE UTIL. IN,PJ#2013.02117   WEST SIDE INTERCEPTOR IMPROVEM	JC	\$557,146	\$570,519

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	06-06-2017	05-09-2018

Customer	Owner
City of Portage, IN	City of Portage, IN
6070 Central Ave	6070 Central Ave
Porter	Porter
Portage IN 46368	Portage IN 46368
+1 219 7621815	+1 219 7621815

	AIS	Total	SR's
48	1,095	1,095	0
Total	1,095	1,095	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126607	Sub	HARPER COMPANY,INDOT#RS35119-B   JOB1725,INDOT#RS35119B,ASPHALT	JC	\$120,171	\$116,475

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	04-05-2017	06-08-2018

Customer	Owner
Department of Transportation - State of Indiana-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
100 North Senate Ave.	100 North Senate Ave.
Marion	Marion
Indianapolis IN 46204	Indianapolis IN 46204
+1 317 2326787	+1 317 2326787

	AIS	Total	SR's
48	250	250	0
Total	250	250	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126608	Sub	CRIDER & CRIDER,INDOT R35136-A   INDOT#R-35136-A,WOR#1704-4796	JC	\$51,057	\$47,536

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	04-05-2017	07-20-2018

Customer	Owner
Crider & Crider Inc.-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
4806 W. 86th St. Indianapolis IN 46268	100 North Senate Ave. Marion Indianapolis IN 46204
+1 317 5380413	+1 317 2326787

	STD	Total	SR's
	48	60	0
Total	60	60	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12660901	Sub	3D COMPANY,WHITLEY COUNTY IN   JOB#2452,INDOT#R-39590,WHITLEY	JC	\$52,930	\$52,930

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	10-02-2017	10-27-2017

Customer	Owner
3D Company, Inc.-Muncie,IN	Department of Transportation - State of Indiana-Fort Wayne,IN
3200 East County Road 350 North Vermilion Muncie IN 61857	5333 Hatfield Road Allen Fort Wayne IN 46808
+1 765 2883326	+1 260 3997333

	AIS	Total	SR's
	48	67	0
Total	67	67	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12660902	Sub	3D COMPANY, ALLEN COUNTY IN   JOB#2452, INDOT#R-39590, ALLEN	JC	\$99,200	\$84,208

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	10-02-2017	11-20-2017	78	62	0
Total			62	62	

Customer	Owner
3D Company, Inc.-Muncie, IN	Department of Transportation - State of Indiana-Fort Wayne, IN
3200 East County Road 350 North Vermillion Muncie IN 61857	5333 Hatfield Road Allen Fort Wayne IN 46808
+1 765 2883326	+1 260 3997333

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126612	Sub	RIETH-RILEY CONSTRU., STARKE CO   INDOT#B-37990 MISC. POLYMERICS	JC	\$44,750	\$42,850

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	07-12-2017	12-08-2017	48	50	0
Total			60	60	
Total			110	110	

Customer	Owner
Department of Transportation - State of Indiana-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
100 North Senate Ave. Marion Indianapolis IN 46204	100 North Senate Ave. Marion Indianapolis IN 46204
+1 317 2326787	+1 317 2326787



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126614	Sub	T&T PIPE RENOVATIONS,VIGO CO.   INDOT R-38650,	JC	\$253,500	\$126,750

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	09-13-2017	05-14-2018	250	250	0
<b>Customer</b>					
Department of Transportation - State of Indiana-Indianapolis, IN					
100 North Senate Ave. Marion Indianapolis IN 46204					
+1 317 2326787					
<b>Owner</b>					
Department of Transportation - State of Indiana-Indianapolis, IN					
100 North Senate Ave. Marion Indianapolis IN 46204					
+1 317 2326787					

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126617	Sub	RIETH-RILEY CONSTRU.,WHITE CO.   INDOT#R-33967 CIPP REHAB	JC	\$74,124	\$64,624

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	11-15-2017	06-01-2018	64	64	0
<b>Customer</b>					
Rieth Riley Construction-La Porte,IN					
2454 West 450 North La Porte IN 46350					
+1 574 2888321					
<b>Owner</b>					
Department of Transportation - State of Indiana-Indianapolis, IN					
100 North Senate Ave. Marion Indianapolis IN 46204					
+1 317 2326787					





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126618	Sub	RIETH-RILEY CONSTRU PORTER CO.   INDOT#R-33950 I-94&I-65 PORTER	JC	\$277,368	\$264,490

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	01-19-2017	05-01-2018	65	285	0
Total			285	285	

Customer	Owner
Rieth Riley Construction-La Porte, IN 2454 West 450 North La Porte La Porte IN 46350 +1 574 2888321	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126621	Sub	GRIMMER CONSTRUCTION, GARY IN   LAKE ST. SANIT. & STORM SEWER	JC	\$330,737	\$320,478

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	09-25-2017	12-07-2018	54	751	0
Total			751	751	

Customer	Owner
Grimmer Construction-Highland, IN 2619 Mainstreet Lake Highland IN 46322 +1 219 9241623	City of Gary, IN 401 Broadway Lake Gary IN 46402-0388 +1 219 9441211

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
128622	Sub	YARDBERRY LANDSCAPE,SULLIVAN C   CIPP REHAB INDOT # 34946	JC	\$371,760	\$371,760

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	02-07-2018	11-05-2018

Customer	Owner
Yardberry Landscape Co-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
N/A	100 North Senate Ave. Marion Indianapolis IN 46204
+1 555 1234567	+1 317 2326787

	AIS	Total	SR's
96	274	274	0
Total	274	274	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12862201	Sub	YARDBERRY LANDSCAPE,DAVIESS CO   CIPP REHAB INDOT#34946,DAVIESS	JC	\$108,288	\$108,288

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	02-27-2018	10-19-2018

Customer	Owner
Yardberry Landscape Co-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
N/A	100 North Senate Ave. Marion Indianapolis IN 46204
+1 555 1234567	+1 317 2326787

	AIS	Total	SR's
54	141	141	0
Total	141	141	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12662202	Sub	YARDBERRY LANDSCAPE, GREENE CO.   CIPF REHAB INDOT#34946, GREENE	JC	\$85,860	\$85,860

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	02-27-2018	10-05-2018	72	81	0
<b>Total</b>			81	81	

Customer	Owner
Yardberry Landscape Co-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
N/A	100 North Senate Ave.
Marion	Marion
Indianapolis IN 46281	Indianapolis IN 46204
+1 555 1234567	+1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126624	Sub	3D COMPANY, WAYNE COUNTY IN   JOB#2466, INDOT#R-39562-A, WAYNE	JC	\$141,105	\$164,830

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	02-07-2018	08-03-2018	54	266	0
<b>Total</b>			266	266	

Customer	Owner
3D Company, Inc.-Muncie, IN	Department of Transportation - State of Indiana-Indianapolis, IN
3200 East County Road 350 North	100 North Senate Ave.
Vermilion	Marion
Muncie IN 61857	Indianapolis IN 46204
+1 765 2883326	+1 317 2326787



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12662401	Sub	3D COMPANY,RANDOLPH COUNTY IN   #2466,INDOT#R-38562-A,RANDOLPH	JC	\$85,675	\$74,585

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	02-27-2018	07-25-2018

Customer	Owner
3D Company, Inc.-Muncie,IN	Department of Transportation - State of Indiana-Indianapolis, IN
3200 East County Road 350 North Vermilion	100 North Senate Ave. Marion
Muncie IN 61857	Indianapolis IN 46204
+1 765 2883326	+1 317 2326787

	AIS	Total	SR's
54	145	145	0
Total	145	145	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126625	Sub	RAGLE INC.INDOT38568 POSEY CO.   JOB#2017035,INDOT#R-38568-A	JC	\$100,940	\$233,778

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	12-13-2017	08-24-2018

Customer	Owner
Ragle-Newburgh,IN	Department of Transportation - State of Indiana-Indianapolis, IN
PO Box 444	100 North Senate Ave. Marion
Warrick	Indianapolis IN 46204
Newburgh IN 47629	
+1 812 8539558	+1 317 2326787

	AIS	Total	SR's
41	206	206	0
54	200	200	
Total	406	406	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126627	Prime	COLUMBUS CITY UTIL,2018 IMPRVT   CIPP 20'8 IMPROVEMENTS	JC	\$482,944	\$564,481

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Stiening, Brandon R	04-10-2018	07-03-2019	573	573	0
<b>Total</b>			573	573	

Customer	Owner
City of Columbus, IN	City of Columbus, IN
1111 Mcclure	1111 Mcclure
Bartholomew	Bartholomew
Columbus IN 47202-1987	Columbus IN 47202-1987
+1 812 3728861	+1 812 3728861

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126629	Sub	TEMPLE & TEMPLE EXCA,RIPLEY CO   INDOT R-36124,CIPP REHAB	JC	\$270,401	\$271,388

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Stiening, Brandon R	04-11-2018	10-19-2018	258	258	0
<b>Total</b>			178	178	
<b>Total</b>			436	436	

Customer	Owner
Temple and Temple-Salem, IN	Department of Transportation - State of Indiana-Indianapolis, IN
1367 IN-60	100 North Senate Ave.
Washington	Marion
Salem IN 47167	Indianapolis IN 46204
+1 5	+1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126632	Sub	TEMPLE & TEMPLE EXC.#R-38659   INDOT#R-38659 VERMILLION CO.	JC	\$218,432	\$221,948

Project Manager	Bid Date	Project Close Date
Sitening, Brandon R	05-10-2018	09-28-2018

Customer	Owner
Temple and Temple-Salem, IN	Department of Transportation - State of Indiana-Indianapolis, IN
1367 IN-60	100 North Senate Ave.
Washington	Marion
Salem IN 47167	Indianapolis IN 46204
+1 5	+1 317 2326787

	AIS	Total	SR's
48	505	505	0
Total	505	505	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126633	Sub	T&T PIPE RENOVATIONS, MARION CO   INDOT R-36587, CIPP REHAB	JC	\$365,148	\$373,086

Project Manager	Bid Date	Project Close Date
Sitening, Brandon R	05-14-2018	08-17-2018

Customer	Owner
Temple and Temple-Salem, IN	Department of Transportation - State of Indiana-Indianapolis, IN
1367 IN-60	100 North Senate Ave.
Washington	Marion
Salem IN 47167	Indianapolis IN 46204
+1 5	+1 317 2326787

	AIS	Total	SR's
60	329	329	0
Total	329	329	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126634	Sub	RAGLE INC.INDOT B38575 WARRICK   JOB#2018012.INDOT#B-38575-A	JC	\$106,481	\$106,481

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Stiening, Brandon R	04-11-2018	12-14-2018	119	119	0
Total			119	119	

Customer	Owner
Ragle-Newburgh,IN	Department of Transportation - State of Indiana-Indianapolis, IN
PO Box 444	100 North Senate Ave.
Warrick	Marion
Newburgh IN 47629	Indianapolis IN 46204
+1 812 8539558	+1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126635	Sub	YARBERRY LANDSCAPE,DELAWARECO   SM. STRUCTURE INDOT #36924-A	JC	\$79,550	\$79,550

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Stiening, Brandon R	03-14-2018	08-07-2018	75	75	0
Total			75	75	

Customer	Owner
Yarberry Landscape Co-Indianapolis,IN	Department of Transportation - State of Indiana-Indianapolis, IN
N/A	100 North Senate Ave.
Marion	Marion
Indianapolis IN 46281	Indianapolis IN 46204
+1 555 1234567	+1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126638	Sub	RIETH-RILEY CONST.,JASPER CO IN   INDOT R-38627 REMINGTON POLYME	JC	\$74,130	\$74,130

Project Manager	Bid Date	Project Close Date
Stiening, Brandon R	05-10-2018	09-17-2018

Customer	Owner
Rieth Riley Construction-Indianapolis, IN 1751 W. Minnesota Street Marion Indianapolis IN 46221 +1 317 6345561	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

	AIS	Total	SR's
60	50	50	0
<b>Total</b>	<b>50</b>	<b>50</b>	<b>0</b>

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126639	Sub	NORTHERN INDIANA CON.KOSCIUSKO   INDOT R-40129-B.SM.STRUCTURE	JC	\$241,003	\$240,766

Project Manager	Bid Date	Project Close Date
Glinderske, Duane A	04-11-2018	03-29-2019

Customer	Owner
Northern Indiana Construction-Mishawaka, IN 55803 Dogwood St Joseph Mishawaka IN 46545 +1 574 2561811	Department of Transportation - State of Indiana-Fort Wayne,IN 5333 Hatfield Road Allen Fort Wayne IN 46808 +1 260 3997333

	AIS	Total	SR's
72	50	50	0
<b>Total</b>	<b>50</b>	<b>50</b>	<b>0</b>



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12663901	Sub	NORTHERN INDIANA CON.,ELKHART   INDOT R-40129-B,SM.STRUCTURE	JC	\$127,336	\$126,578

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	07-13-2018	02-16-2019	84	82	0
Total			82	82	

Customer	Owner
Northern Indiana Construction-Mishawaka, IN	Department of Transportation - State of Indiana-Fort Wayne,IN
55803 Dogwood St Joseph Mishawaka IN 46545	5333 Hatfield Road Allen Fort Wayne IN 46808
+1 574 2561811	+1 260 3997333

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12663902	Sub	NORTHERN INDIANA CON.,ALLEN CO   INDOT R-40129-B,SM.STRUCTURE	JC	\$112,601	\$112,284

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	07-13-2018	02-28-2019	60	173	0
Total			173	173	

Customer	Owner
Northern Indiana Construction-Mishawaka, IN	Department of Transportation - State of Indiana-Fort Wayne,IN
55803 Dogwood St Joseph Mishawaka IN 46545	5333 Hatfield Road Allen Fort Wayne IN 46808
+1 574 2561811	+1 260 3997333



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126641	Prime	EVANSVILLE W&S UTIL-EAST WWTP   EAST WWTP EFFLUENT SEWER REHAB	JC	\$627,775	\$599,484

Project Manager	Bid Date	Project Close Date
Stiening, Brandon R	07-24-2018	08-03-2019

Customer	Owner
Evansville Water & Sewer Utility- Evansville, IN	Evansville Water & Sewer Utility- Evansville, IN
1 Martin Luther King Boulevard Vanderburgh Evansville IN 47714	1 Martin Luther King Boulevard Vanderburgh Evansville IN 47714
+1 812 4367853	+1 812 4367853

	AIS	Total	SR's
54	312	312	0
Total	312	312	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126643	Sub	PRIMCO INC.,INDOT B-39429-A   INDOT#B-39429-A,ALLEN CO.	JC	\$1,015,444	\$1,015,444

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	07-11-2018	01-04-2019

Customer	Owner
Primco Construction-Fort Wayne, IN 7107 Smith Road Allen Fort Wayne IN 46809	Department of Transportation - State of Indiana-Fort Wayne,IN 5333 Hatfield Road Allen Fort Wayne IN 46808
+1 260 4781548	+1 260 3997333

	AIS	Total	SR's
87	280	280	0
Total	280	280	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126644	Sub	WALSH & KELLY, LAKE COUNTY IN   INDOT R-39309A, US41, I-65, SR912	JC	\$191,360	\$225,116

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Stening, Brandon R	08-07-2018	12-05-2018	78	210	0
<b>Total</b>			210	210	

Customer	Owner
Walsh & Kelly-Griffith, IN 1700 East Main Street Lake Griffith IN 46319 +1 219 9245900	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
12664401	Sub	WALSH & KELLY, JASPER COUNTY IN   INDOT R-39309A, US41, I-65, SR912	JC	\$82,998	\$82,818

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Stening, Brandon R	08-07-2018	11-29-2018	42	326	0
<b>Total</b>			326	326	

Customer	Owner
Walsh & Kelly-Griffith, IN 1700 East Main Street Lake Griffith IN 46319 +1 219 9245900	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126650	Sub	GRIMMER CONSTRUCTION, GARY IN   LAKE ST. RECONST.PHASE II	JC	\$105,300	\$105,102

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Stiening, Brandon R	08-08-2018	11-29-2018	167	167	0
Total			167	167	

Customer	Owner
Grimmer Construction-Highland, IN	City of Gary, IN
2619 Mainstreet	401 Broadway
Lake	Lake
Highland IN 46322	Gary IN 46402-0388
+1 219 9241623	+1 219 9441211

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126662	Sub	TEMPLE & TEMPLE EXC.#R-38669   INDOT#R-38669 MIAMI COUNTY IN	JC	\$154,913	\$154,913

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Stiening, Brandon R	05-10-2018	05-07-2019	257	257	0
Total			257	257	

Customer	Owner
Temple and Temple-Salem, IN	Department of Transportation - State of Indiana-Fort Wayne, IN
1367 IN-60	5333 Hatfield Road
Washington	Allen
Salem IN 47167	Fort Wayne IN 46808
+1 5	+1 260 3997333





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126672	Sub	RIETH-RILEY CONST,JASPER CO IN   INDOT R-39472-A CALL 311 I-65	JC	\$84,920	\$84,920

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Stening, Brandon R	03-06-2019	09-04-2019	222	222	0
Total			222	222	

Customer	Owner
Rieth Riley Construction-Indianapolis, IN	Department of Transportation - State of Indiana-Indianapolis, IN
1751 W. Minnesota Street Marion Indianapolis IN 46221	100 North Senate Ave. Marion Indianapolis IN 46204
+1 317 6345561	+1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126673	Sub	BOWEN ENG,VALLEY ST.LAFAYETTE   GREENBUSH CSO TANK-VALLEY ST.	JC	\$59,800	\$58,900

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Montgomery, Brendan M	01-31-2019	04-15-2020	305	305	0
Total			305	305	

Customer	Owner
Bowen Engineering Corporation-Indianapolis,IN	City of Lafayette, IN
8802 North Meridian Street Marion Indianapolis IN 46260	20 N 5th Street Tippecanoe Lafayette IN 47901-1412
+1 317 8422616	+1 317 4768404

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126680	Sub	WB KOESTER CONST.EVANSVILLE AP   EVANSVILLE AIRPORT-RECONS RAMP	JC	\$111,758	\$306,449

Project Manager	Bid Date	Project Close Date	AIS	STD	Total	SR's
Montgomery, Brendan M	08-28-2018	11-13-2020	48	92	72	164
			54	0	72	72
<b>Total</b>			<b>92</b>	<b>92</b>	<b>144</b>	<b>236</b>

Customer	Owner
WB•Koester Construction, LLC- Evansville,IL	Evansville Regional Airport
14601 Highway 41 N Ste 200 Vanderburgh Evansville IL 47725	Vanderburgh Evansville IN 47618
+1 812 2142000	+1 812 9620690

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126683	Sub	DUNNET BAY CONST.INDOT#B39805A   US 24 SM.STRUCT. SHELDON DITCH	JC	\$238,224	\$238,225

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Schwerdt II, Bradley A	09-11-2019	06-02-2020	36	151	151
			54	204	204
<b>Total</b>			<b>90</b>	<b>355</b>	<b>355</b>

Customer	Owner
Dunnet Bay Construction-Glendale Heights, IL	Department of Transportation - State of Indiana-Indianapolis, IN
115 North Brandon Drive Dupage Glendale Heights IL 60139	100 North Senate Ave. Marion Indianapolis IN 46204
+1 630 5391200	+1 317 2326787



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126684	Sub	RAGLE INC.,NEWBURGH IN   TRIPLE CROWN LIFT STATION ELIM	JC	\$71,380	\$70,072

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Montgomery, Brendan M	10-22-2019	04-29-2020	48	93	0
<b>Total</b>			93	93	

Customer	Owner
Ragle-Newburgh, IN	City of Newburgh, IN
PO Box 444	Newburgh- Not Available
Warrick	Newburgh
Newburgh IN 47629	Newburgh IN 47629-0273
+1 812 8539558	+1 812 8536412

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126686	Prime	BROWNSBURG IN,42" CIPP REHAB   42 INCH CIPP REHAB	JC	\$79,490	\$78,730

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Montgomery, Brendan M	02-04-2020	03-23-2020	42	196	0
<b>Total</b>			196	196	

Customer	Owner
Town of Brownsburg, IN	Town of Brownsburg, IN
80 E Vermont Street	80 E Vermont Street
Hendricks	Hendricks
Brownsburg IN 46112-1200	Brownsburg IN 46112-1200
+1 317 8521120	+1 317 8521120





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126695	Sub	DUNNET BAY CONST.:INDOT#B40123A   PORTER, INDOT B-40123-A..#0471	JC	\$77,805	\$77,805

Project Manager	Bid Date	Project Close Date
Montgomery, Brendan M	02-05-2020	08-13-2020

Customer	Owner
Dunnet Bay Construction-Glendale Heights, IL	Department of Transportation - State of Indiana-Indianapolis, IN
115 North Brandon Drive Dupage Glendale Heights IL 60139	100 North Senate Ave. Marion Indianapolis IN 46204
+1 630 5391200	+1 317 2326787

	AIS	Total	SR's
Total	118	118	0

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126698	Sub	MILESTONE CONTRAC.,LEBANON IN   INDOT P# RS-38770-A-US52 &I-65	JC	\$84,600	\$85,500

Project Manager	Bid Date	Project Close Date
Montgomery, Brendan M	04-01-2020	08-21-2020

Customer	Owner
Milestone Contractors-Lafayette, IN	Department of Transportation - State of Indiana-Indianapolis, IN
3301 S CR 460 E Tippecanoe Lafayette IN 47905	100 North Senate Ave. Marion Indianapolis IN 46204
+1	+1 317 2326787

	AIS	Total	SR's
Total	285	285	0





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126699	Sub	E & B PAVING,R-38715A PERRY CO   INDOT R38715A,SM,STR..PERRY CO	JC	\$142,800	\$142,800

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Montgomery, Brendan M	10-09-2019	08-21-2020	335	335	0
Total			335	335	

Customer	Owner
E & B Paving - Evansville,IN 10900 Telephone Road Vanderburgh Chandler IN 47716 +1 812 4751363	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126700	Sub	E & B PAVING,R-38715A ORANGE C   INDOT R38715A,SM,STR.ORANGE CO	JC	\$121,968	\$121,968

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Montgomery, Brendan M	04-21-2020	08-20-2020	154	154	0
Total			154	154	

Customer	Owner
E & B Paving - Evansville,IN 10900 Telephone Road Vanderburgh Chandler IN 47716 +1 812 4751363	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126701	Sub	E & B PAVING,R-38715A CRAWFORD   INDOT R38715A,SM,STR,CRAWFORD	JC	\$256,600	\$258,895

Project Manager	Bid Date	Project Close Date
Montgomery, Brendan M	04-21-2020	08-20-2020

Customer	Owner
E & B Paving - Evansville,IN 10900 Telephone Road Vanderburgh Chandler IN 47716 +1 812 4751363	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

	AIS	Total	SR's
48	155	155	0
72	219	219	
Total	374	374	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126702	Sub	E & B PAVING,R-38715A DUBOIS C   INDOT R38715A,SM,STR,DUBOIS CO	JC	\$99,567	\$99,567

Project Manager	Bid Date	Project Close Date
Montgomery, Brendan M	04-21-2020	08-19-2020

Customer	Owner
E & B Paving - Evansville,IN 10900 Telephone Road Vanderburgh Chandler IN 47716 +1 812 4751363	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787

	AIS	Total	SR's
60	110	110	0
Total	110	110	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126703	Sub	RIETH-RILEY CONST, LAPORTE CO   INDOT B-41029 I-94 MICHIGAN CT	JC	\$184,680	\$186,639

	AIS	Total	SR's
72	353	353	0
Total	353	353	

Project Manager	Bid Date	Project Close Date
Montgomery, Brendan M	04-01-2020	09-02-2020
Customer	Owner	
Rieth Riley Construction-La Porte,IN 2454 West 450 North La Porte La Porte IN 46350 +1 574 2888321	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126705	Sub	RIETH-RILEY CONST,MARSHALL CO   INDOT B-41032 BREMEN BRIDGE	JC	\$69,750	\$71,062

	STD	Total	SR's
47	98	98	0
Total	98	98	

Project Manager	Bid Date	Project Close Date
Montgomery, Brendan M	04-01-2020	07-10-2020
Customer	Owner	
Rieth Riley Construction-La Porte,IN 2454 West 450 North La Porte La Porte IN 46350 +1 574 2888321	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Marion Indianapolis IN 46204 +1 317 2326787	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126710	Prime	PURDUE UNIVERSITY,S UNIV. ST.   S. UNIV.ST.STORM,O#4500850383	JC	\$123,065	\$130,555

Project Manager	Bid Date	Project Close Date
Montgomery, Brendan M	05-15-2020	11-12-2020

Customer	Owner
Purdue University - West Lafayette,IN 401 S Grant Street Tippecanoe West Lafayette IN 47906-3511 +1 555 5555555	Purdue University -West Lafayette,IN 401 S Grant Street Tippecanoe West Lafayette IN 47906-3511 +1 555 5555555

	AIS	Total	SR's
54	140	140	0
Total	140	140	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126711	Sub	KOKOSING IND.,EVANSVILLE IN   EAST WWTP CAPACITY EXPANS PH 2	JC	\$204,275	\$182,568

Project Manager	Bid Date	Project Close Date
Montgomery, Brendan M	07-09-2020	11-03-2020

Customer	Owner
Kokosing Construction Company Inc- Fredericktown,OH 17531 Waterford Road Knox Fredericktown OH 43019 +1 740 6946315	Evansville Water & Sewer Utility- Evansville, IN 1 Martin Luther King Boulevard Vanderburgh Evansville IN 47714 +1 812 4367853

	AIS	STD	Total	SR's
36	0	566	566	0
54	20	0	20	
Total	20	566	586	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126719	Sub	E & B PAVING R-40799, CLARK CO.   INDOT R40799A, SM, STR, CLARK CO	JC	\$59,136	\$51,318

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Montgomery, Brendan M	09-02-2020	04-24-2021	92	92	0
Total			92	92	

Customer	Owner
E & B Paving - Evansville, IN	Department of Transportation - State of Indiana-Indianapolis, IN
10900 Telephone Road Vanderburgh Chandler IN 47716	100 North Senate Ave. Marion Indianapolis IN 46204
+1 812 4751363	+1 317 2326787

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
126722	Sub	INFRASTRUCTURE SYST, JACKSON CO   INDOT R-39880-A SM, STRUC, PIPE	JC	\$104,525	\$106,220

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Montgomery, Brendan M	01-19-2021	05-01-2021	188	188	0
Total			188	188	

Customer	Owner
Infrastructure Systems, Inc-Orleans, IN	Department of Transportation - State of Indiana-Indianapolis, IN
260 Vincennes Street Orange Orleans IN 47452	100 North Senate Ave. Marion Indianapolis IN 46204
+1 812 8653309	+1 317 2326787





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
128723	Sub	E & B PAVING,INDOT R-42647-A   INDOT R42647A,SM,ST,WASHINGTON	JC	\$114,005	\$114,760

Project Manager	Bid Date	Project Close Date
Montgomery, Brendan M	12-09-2020	04-24-2021

Customer	Owner
E & B Paving - Evansville,IN 10900 Telephone Road Vanderburgh Chandler IN 47716 +1 812 4751363	Department of Transportation - State of Indiana-Indianapolis, IN 100 North Senate Ave. Mantion Indianapolis IN 46204 +1 317 2326787

	AIS	Total	SR's
	78	155	0
<b>Total</b>	<b>155</b>	<b>155</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130454	Sub	PIPELINE MANAGEMENT CO.   COMBINED SEW. REH.GWK DRAINPH1	JC	\$194,001	\$201,070

Project Manager	Bid Date	Project Close Date
Quillen Jr, Kenneth R	10-16-2013	06-02-2014

Customer	Owner
Oakland County,MI--Waterford, MI- Water Resource Commissioner One Public Works Drive, Building 95 West Oakland Waterford MI 48328 +1 248 8580958	Oakland County,MI--Waterford, MI- Water Resource Commissioner One Public Works Drive, Building 95 West Oakland Waterford MI 48328 +1 248 8580958

	STD	Total	SR's
	36	296	0
<b>Total</b>	<b>296</b>	<b>296</b>	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130469	Prime	MIDLAND MI, BID#3623   CIPP SEWER LINING SERVICES	JC	\$760,590	\$755,165

	STD	Total	SR's
42	338	338	0
48	3,100	3,100	
<b>Total</b>	<b>3,438</b>	<b>3,438</b>	

Project Manager	Bid Date	Project Close Date
Quillen Jr, Kenneth R	05-27-2014	10-03-2014

Customer	Owner
City of Midland, MI-Austin Street	City of Midland, MI-Austin Street
2125 Austin Street	2125 Austin Street
Midland	Midland
Midland MI 48642-5969	Midland MI 48642-5969
+1 989 8373500	+1 989 8373500

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130470	Sub	PIPELINE MANAGEMENT CO.OAKPARK   COMBINED SEW. REH.GWK DRAINPH1	JC	\$216,000	\$216,000

	STD	Total	SR's
78	302	302	0
<b>Total</b>	<b>302</b>	<b>302</b>	

Project Manager	Bid Date	Project Close Date
Quillen Jr, Kenneth R	07-28-2014	09-29-2014

Customer	Owner
Oakland County,MI-Waterford,MI	Oakland County,MI-Waterford, MI-
1 Public Works Drive	Water Resource Commissioner
Oakland	One Public Works Drive, Building 95 West
Waterford MI 48328	Oakland
+1 248	Waterford MI 48328
	+1 248 8580958

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130474	Sub	E.T. MACKENZIE, LANSING, MI   CENTRAL INTECEPTOR #11431	JC	\$974,233	\$1,049,554

Project Manager	Bid Date	Project Close Date
Quillen Jr, Kenneth R	06-25-2014	08-24-2015

Customer	Owner
City of Lansing, MI 123 W Ottawa St 123 W Ottawa Street Ingham Lansing MI 48901-3007 +1 517 3187003	City of Lansing, MI 123 W Ottawa St 123 W Ottawa Street Ingham Lansing MI 48901-3007 +1 517 3187003

	STD	Total	SR's
	36	323	0
	48	334	
	54	465	
	60	1,487	
<b>Total</b>	<b>2,609</b>	<b>2,609</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130491	Sub	KAMMINGA & ROODVOETS., MDOT   CONTRACT ID 61075-110685	JC	\$663,600	\$685,470

Project Manager	Bid Date	Project Close Date
Quillen Jr, Kenneth R	01-31-2015	10-19-2015

Customer	Owner
Department of Transportation - State of Michigan-Lansing, MI 425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909 +1 517 3732090	Department of Transportation - State of Michigan-Lansing, MI 425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909 +1 517 3732090

	AIS	COM	Total	SR's
	96	306	307	613
<b>Total</b>	<b>306</b>	<b>307</b>	<b>613</b>	<b>0</b>



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130492	Prime	WASHINGTON CHARTER TOWNSHIP   CENTRAL DIST. TRUNKLINE SEWER	JC	\$999,494	\$966,615

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Quillen Jr, Kenneth R	06-30-2015	02-16-2016	176	176	0
<b>Total</b>			176	176	

Customer	Owner
Township of Washington, MI	Township of Washington, MI
57900 Van Dyke	57900 Van Dyke
Macomb	Macomb
Washington MI 48094	Washington MI 48094
+1 586 7860010	+1 586 7860010

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130503	Prime	MIDLAND MI, BID#3633   CIPP SEW.LINING,PO201600000681	JC	\$527,601	\$514,096

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Quillen Jr, Kenneth R	10-20-2015	02-10-2016	1,531	1,531	0
<b>Total</b>			1,397	1,397	
<b>Total</b>			2,928	2,928	

Customer	Owner
City of Midland, MI-Austin Street	City of Midland, MI-Austin Street
2125 Austin Street	2125 Austin Street
Midland	Midland
Midland MI 48642-5969	Midland MI 48642-5969
+1 989 8373500	+1 989 8373500



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130513	Sub	KAMMINGA & ROODVOETS, HOLLAND MI   9TH ST. RECONS. M.DOT#7050012479	JC	\$166,693	\$168,788

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	04-01-2016	06-30-2016	483	483	0
<b>Total</b>			<b>483</b>	<b>483</b>	

Customer	Owner
Department of Transportation - State of Michigan-Lansing, MI	Department of Transportation - State of Michigan-Lansing, MI
425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909	425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909
+1 517 3732090	+1 517 3732090

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130520	Prime	MICHIGAN D.O.T. -ADRIAN, MI   EMERGENCY-FRIENDLY VILLAGE	JC	\$67,036	\$67,863

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	11-08-2016	12-05-2016	328	328	0
<b>Total</b>			<b>328</b>	<b>328</b>	

Customer	Owner
Department of Transportation - State of Michigan-Lansing, MI	Department of Transportation - State of Michigan-Lansing, MI
425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909	425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909
+1 517 3732090	+1 517 3732090





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130524	Prime	BATTLE CREEK MI,CONT.#2017-42B   2016-17SEW.LINING P.J.#D17-0020	JC	\$998,018	\$992,278

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	02-24-2017	12-22-2017
Customer	Owner	
City of Battle Creek, MI 350 Michigan Ave W Calhoun Battle Creek MI 49017-2343 +1 269 9663480	City of Battle Creek, MI 350 Michigan Ave W Calhoun Battle Creek MI 49017-2343 +1 269 9663480	

	STD	Total	SR's
48	3,675	3,675	0
54	665	665	
Total	4,340	4,340	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130525	Sub	KALIN CONSTRUCT,ST.JOSEPH MI   2017 ST. JOSEPH CSO PROJECT	JC	\$98,678	\$96,668

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	02-01-2017	08-04-2017
Customer	Owner	
St. Joseph 700 Broad Street St. Joseph MI 49085 +1 269 9836341	City of Saint Joseph, MI 700 Broad St Berrien Saint Joseph MI 49085-1276 +1 616 9835541	

	STD	Total	SR's
36	381	381	0
Total	381	381	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130526	Prime	GENESEE CO.DRAIN COMM.,FARRAND   & WEBSTER EMERGLINING PROJECT	JC	\$198,952	\$211,551

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	02-06-2017	06-09-2017

Customer	Owner
Genesee County-Flint,MI-Drain Commissioner	Genesee County-Flint,MI-Drain Commissioner
G4610 Beecher Road	G4610 Beecher Road
Genesee Flint MI 48532	Genesee Flint MI 48532
+1 810 7327870	+1 810 7327870

	AIS	Total	SR's
42	533	533	0
Total	533	533	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130527	Sub	SEVENSON ENVIRON SERV,FLINT MI   FLINT E.BLVD-FORMER MGP SITE	JC	\$59,700	\$59,267

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	02-15-2017	09-19-2017

Customer	Owner
Consumers Energy Company-Ann Arbor, MI	Consumers Energy Company-Ann Arbor, MI
N/A	N/A
Washtenaw Ann Arbor MI 48108	Washtenaw Ann Arbor MI 48108
+1 11 1111111	+1 11 1111111

	AIS	Total	SR's
36	275	275	0
Total	275	275	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130538	Prime	ESCANABA MI,2017 PROJECT   2017 SEWER CIPP LINING PROJECT	JC	\$718,630	\$719,375

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	07-06-2017	06-08-2018	36	1,551	0
			48	695	
			Total	2,246	

Customer	Owner
City of Escanaba, MI 410 Ludington St. Delta Escanaba MI 49829 +1 906 7869402	City of Escanaba, MI 410 Ludington St. Delta Escanaba MI 49829 +1 906 7869402

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130546	Sub	RIETH-RILEY CONST.,LIVINGSTON   120537 I-96 2018 LIVINGSTON CO	JC	\$295,709	\$384,421

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	03-02-2018	08-13-2018	60	230	0
			Total	230	

Customer	Owner
Department of Transportation - State of Michigan-Lansing, MI 425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909 +1 517 3732090	Department of Transportation - State of Michigan-Lansing, MI 425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909 +1 517 3732090



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130548	Sub	M & M EXCAVATING CO.E.TAWAS MI   MDOT PROJ. MH35032-11294A CIPP	JC	\$126,890	\$111,987

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	01-05-2018	11-20-2018

Customer	Owner
Department of Transportation - State of Michigan-Lansing, MI	Department of Transportation - State of Michigan-Lansing, MI
425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909	425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909
+1 517 3732090	+1 517 3732090

	STD	Total	SR's
36	368	368	0
Total	368	368	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130556	Prime	BARODA ESTATES LLC   LINE TWO 48-IN CULVERTS	JC	\$176,041	\$172,624

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	07-17-2017	04-07-2019

Customer	Owner
Village of Baroda,MI	Village of Baroda,MI
9091 First Street Berrien Baroda MI 49101	9091 First Street Berrien Baroda MI 49101
+1 269 4221779	+1 269 4221779

	STD	Total	SR's
48	849	849	0
Total	849	849	







JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130569	Sub	PIPELINE MANAGEMENT, OAKLAND CO   9 MILE@PHCC SANIT. SEWER REHAB	JC	\$195,808	\$176,668

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	07-09-2018	01-25-2019	979	979	0
<b>Total</b>			979	979	

**Customer**  
 Pipeline Management Co.-Millford,MI  
 2673 E. Maple Rd  
 Oakland  
 Millford MI 48381  
 +1 248 6851500

**Owner**  
 Oakland County MI--Waterford, MI-  
 Water Resource Commissioner  
 One Public Works Drive, Building 95 West  
 Oakland  
 Waterford MI 48328  
 +1 248 8580958

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130600	Prime	BATTLE CREEK MI, CON #2020-022B   2019-54" SANIT. SEW. INTERC. REH	JC	\$1,555,715	\$2,564,574

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	09-19-2019	05-28-2020	8,834	8,834	0
<b>Total</b>			8,834	8,834	

**Customer**  
 City of Battle Creek, MI  
 350 Michigan Ave W  
 Calhoun  
 Battle Creek MI 49017-2343  
 +1 269 9663480

**Owner**  
 City of Battle Creek, MI  
 350 Michigan Ave W  
 Calhoun  
 Battle Creek MI 49017-2343  
 +1 269 9663480





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130602	Sub	CORB Y ENERGY SERV.BRANCH CO.MI   I-69 NB & SB OVER RAPPALLEYE	JC	\$1,088,090	\$1,133,090

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	10-23-2019	01-10-2020

Customer	Owner
Corby Energy Services	Department of Transportation - State of Michigan-Lansing, MI
6001 Schooner St	425 W Ottawa Street
Wayne	PO Box 30050
Belleville MI 48111	Ingham
+1 734 5479237	Lansing MI 48909
	+1 517 3732090

	STD	Total	SR's
102	297	297	0
Total	297	297	



**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

7 of 8

**3. Onsite Superintendent/Foreman**

(Must be completed and submitted with Bid for consideration)

**List name of onsite superintendent/foreman and list a minimum of 3 projects of similar complexity totaling 10,000 lineal feet of CIPP lining in sanitary sewers greater than 24 inches in diameter that they have supervised in the past 7 years and provide references.**

Superintendent/Foreman Name: Chad Crippin  
SEE ATTACHD - Resume of Chad Crippin

**3.1.** Client's Name: SEE ATTACHED - Closed Project References 24" or Larger

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**3.2.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**3.3.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

DS- 7

**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

8 of 8

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Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

3.4. Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

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Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**Chad Crippin – General Superentendant**

Cell: 313-410-0328

[ccrippin@insituform.com](mailto:ccrippin@insituform.com)

**Insituform Technologies, USA, Inc., Howell, MI**

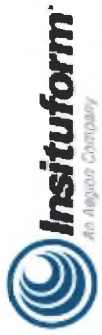
**1991 to Present**

**Objective:**

Directly supervises his crew before, during and after the Inversion process to insure a successful installation. As a Foreman of Insituform Technologies USA, Inc. it is a requirement to carry out my duty in a manner, which promotes Quality and Safety while accomplishing assigned tasks and confirming to Company Policy, Rules and Regulations. An Insituform Technologies USA, Inc. Foreman provides leadership and direction for his crew while setting the example for all crew members to follow.

**Additional Responsibilities of an Insituform Foreman:**

- Ensures the inspection of tools, equipment, supplies and vehicles are in satisfactory condition before departure from yard
- Knowledge of bypass & traffic control requirements
- Knowledge of all equipment for inversion process
- Studies production schedules, transfer sheets for completion of work assignment
- Trains workers in safe operation of equipment and enforces safety regulations
- Establishes work procedures to meet production installation schedules
- Conforms with DOT and other Government regulations
- Inspects work in progress to ensure compliance to specifications
- Suggests changes in working conditions to increase efficiency of work crew
- Analyzes and resolves work problems, and assists workers in solving work problems
- Confers with Superintendent and other foreman to coordinate activities
- Performs activities as company representative on the job site
- Acts responsibly to protect and maintain all equipment and vehicles assigned to his crew and the job
- Assumes project field responsibilities in absence of the General Superintendent and functions without the need of direct supervision



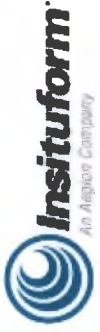
# Closed Project References 24" or Larger

Proprietary Property and Trade Secret of Aegion, Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Closed Projects ( 2013 - Present ) - Parameter Summary

Company Code:	00130
Region:	
Owner State:	
Project Material Family:	ACE; AIS; COM; ILS; SIT; STD
Project Manager:	
Project Number:	
Role:	
Value Range:	Start End
Project Value (\$)	
Bid Proposal Date:	
Project Closed Date:	
Diameter:	23
Linear Feet:	





# Closed Project References 24" or Larger

1/1  
Last Refresh Date: 10-11-2021

Proprietary Property and Trade Secret of Algopac, Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Closed Projects ( 2013 - Present ) - Summary

	AIS	COMI	SIT	STD	Total	SR's (leaps)
24	12,127	0	85	21,456	33,668	0
27	0	0	0	8,467	8,467	
30	2,142	0	0	10,698	12,840	
35	0	0	0	641	641	
36	603	0	0	5,605	6,208	
42	533	0	0	1,735	2,268	
48	0	0	0	8,653	8,653	
54	0	0	0	9,964	9,964	
60	713	0	0	1,487	2,200	
78	0	0	0	302	302	
96	306	307	0	0	613	
102	0	0	0	297	297	
<b>Total</b>	<b>16,424</b>	<b>307</b>	<b>85</b>	<b>69,305</b>	<b>86,121</b>	



# Closed Project References 24" or Larger

## Contract Qualification Closed Projects ( 2013 - Present ) - Detail

Proprietary Property and Trade Secret of Aegion, Inc. Unathorized Use, Dissemination and Disclosure Strictly Prohibited

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130440	Prime	SPENCE BROTHERS- ANN ARBOR, MI   AA WTP HIGH PUMP STA #12-120	JC	\$74,750	\$74,750
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 04-18-2013   Project Close Date: 06-28-2013			
<b>Customer</b>					
City of Ann Arbor, MI		City of Ann Arbor, MI			
2000 S Industrial Highway		2000 S Industrial Highway			
Washenaw		Washenaw			
Ann Arbor MI 48104-6120		Ann Arbor MI 48104-6120			
+1 734 9949938		+1 734 9949938			

	SIT	Total	SR's
	24	85	85
Total	85	85	0

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130449	Sub	KAMMINGA &ROODVOETS,OWOSSO MI   OWOSSO SANIT. CO#2,SUB#11332-02	JC	\$728,032	\$749,398
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 07-09-2013   Project Close Date: 09-16-2014			
<b>Customer</b>					
Owosso Township-Owosso, MI- Caledonia Township Utility Authority		Owosso Township-Owosso, MI- Caledonia Township Utility Authority			
135 N. State Road		135 N. State Road			
Shlawassee		Shlawassee			
Owosso MI 48867		Owosso MI 48867			
+1 989 5555555		+1 989 5555555			

	STD	Total	SR's
	24	3,278	3,278
Total	27	3,002	3,002
		6,280	6,280

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130454	Sub	PIPELINE MANAGEMENT CO.   COMBINED SEW. REH.GWK DRAINPH1	JC	\$194,001	\$201,010
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 10-16-2013		Project Close Date: 06-02-2014	
<b>Customer</b>					
Oakland County, MI--Waterford, MI- Water Resource Commissioner		Oakland County, MI--Waterford, MI- Water Resource Commissioner			
One Public Works Drive, Building 95 West Oakland		One Public Works Drive, Building 95 West Oakland			
Waterford MI 48328		Waterford MI 48328			
+1 248 8580958		+1 248 8580958			
			<b>STD</b>	<b>Total</b>	<b>SR's</b>
			36	296	0
<b>Total</b>			296	296	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130456	Prime	OAK PARK MI, 2014, PROJ# M-688   SEWER LINING PROJECT	JC	\$231,320	\$217,101
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 01-06-2014		Project Close Date: 06-30-2014	
<b>Customer</b>					
City of Oak Park, MI		City of Oak Park, MI			
10600 Capital Street Oakland		10600 Capital Street Oakland			
Oak Park MI 48237-3133		Oak Park MI 48237-3133			
+1 248 6917497		+1 248 6917497			
			<b>STD</b>	<b>Total</b>	<b>SR's</b>
			24	334	0
<b>Total</b>			334	334	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130459	Prime	HOLLAND, MI - FY2014   SS MAIN LINING #SWM65	JC	\$1,215,058	\$1,220,378
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 02-25-2014   Project Close Date: 12-04-2014			
<b>Customer</b>					
City of Holland, MI-Board of Public Works		Owner			
625 Hastings Avenue Ottawa Holland MI 49423-5427		City of Holland, MI-Board of Public Works 625 Hastings Avenue Ottawa Holland MI 49423-5427			
+1 616 3551642		+1 616 3551642			
			<b>STD</b>	<b>Total</b>	<b>SR's</b>
			24	1,069	0
			<b>Total</b>	1,069	1,069

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130465	Sub	PETES CONTRACTING,SANFORD MI   2014 SCHOOL BOND IMPRV SITE UT	JC	\$71,577	\$63,709
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 05-23-2014   Project Close Date: 08-22-2014			
<b>Customer</b>					
City of Sanford, MI		Owner			
N/A Midland Sanford MI 48657		City of Sanford, MI N/A Midland Sanford MI 48657			
+1 989 6877667		+1 989 6877667			
			<b>STD</b>	<b>Total</b>	<b>SR's</b>
			24	662	0
			<b>Total</b>	662	662



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130469	Prime	MIDLAND MI, BID#3623   CIPP SEWER LINING SERVICES	JC	\$760,590	\$755,165
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 05-27-2014		Project Close Date: 10-03-2014	
<b>Customer</b>					
City of Midland, MI-Austin Street		Owner: City of Midland, MI-Austin Street			
2125 Austin Street		2125 Austin Street			
Midland		Midland			
Midland MI 48642-5969		Midland MI 48642-5969			
+1 989 8373500		+1 989 8373500			
			<b>STD</b>	<b>Total</b>	<b>SR's</b>
			42	338	338
			48	3,100	3,100
			<b>Total</b>	<b>3,438</b>	<b>3,438</b>

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130470	Sub	PIPELINE MANAGEMENT CO.OAKPARK   COMBINED SEW. REH.GWK DRAINPH1	JC	\$216,000	\$216,000
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 07-28-2014		Project Close Date: 09-29-2014	
<b>Customer</b>					
Oakland County, MI-Waterford, MI		Owner: Oakland County, MI--Waterford, MI-			
1 Public Works Drive		Water Resource Commissioner			
Oakland		One Public Works Drive, Building 95 West			
Waterford MI 48328		Oakland			
+1 248		Waterford MI 48328			
			<b>STD</b>	<b>Total</b>	<b>SR's</b>
			78	302	302
			<b>Total</b>	<b>302</b>	<b>0</b>





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130474	Sub	E.T. MACKENZIE, LANSING, MI   CENTRAL INTECEPTOR #11431	JC	\$974,233	\$1,049,554
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 06-25-2014		Project Close Date: 08-24-2015	
<b>Customer</b>					
City of Lansing, MI	Owner	City of Lansing, MI			
123 W Ottawa St		123 W Ottawa St			
123 W Ottawa Street		123 W Ottawa Street			
Ingham		Ingham			
Lansing MI 48901-3007		Lansing MI 48901-3007			
+1 517 3187003		+1 517 3187003			
<b>Summary</b>					
JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130479	Sub	ZITO CONSTRUCTION,OWOSSO MI   SS IMPROV P#2110281,SRF#552903	JC	\$1,389,478	\$1,382,409
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 07-08-2014		Project Close Date: 09-22-2015	
<b>Customer</b>					
Zito Construction-Grand Blanc, MI	Owner	Owosso Township-Owosso, MI-			
8033 Fenton Road		Caledonia Township Utility Authority			
Genesee		135 N. State Road			
Grand Blanc MI 48357		Shilawassee			
		Owosso MI 48867			
+1 810 6959025		+1 989 5555555			
<b>Summary</b>					
		STD	Total	SR's	
		24	2,237	2,237	0
		27	5,465	5,465	
		30	1,175	1,175	
		Total	8,877	8,877	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130482	Prime	PIPELINE MANAGEMENT, FARMINGTON   2014 SANIT. SEWER REHAB	JC	\$200,203	\$186,042
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 12-09-2014		Project Close Date: 05-01-2015	
<b>Customer</b>					
Pipeline Management Co.-Millford,MI		Owner: City of Farmington, MI			
2673 E. Maple Rd		23600 Liberty Street			
Oakland		Oakland			
Millford MI 48381		Farmington MI 48332			
+1 248 6851500		+1 248 4745500			
<b>Summary</b>					
		STD	Total	SR's	
		35	641	641	0
		Total	641	641	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130487	Sub	SAGINAW CO. PUBLIC WORKS COMM.   FREELAND TILE DRAIN-DIV. II	JC	\$129,750	\$121,294
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 04-07-2015		Project Close Date: 09-23-2015	
<b>Customer</b>					
County of Saginaw, Public Works Commissioner, MI		Owner: County of Saginaw, Public Works Commissioner, MI			
111 South Michigan Saginaw Government Knox		111 South Michigan Saginaw Government Knox			
Saginaw MI 61401		Saginaw MI 61401			
+1 309 3420131		+1 309 3420131			
<b>Summary</b>					
		STD	Total	SR's	
		30	498	498	0
		Total	498	498	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130491	Sub	KAMMINGA & ROODVOETS., MDOT   CONTRACT ID 61075-110685	JC	\$663,600	\$685,470
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 01-31-2015   Project Close Date: 10-19-2015			
			<b>AIS</b>	<b>COM</b>	<b>Total</b>
			96	306	613
			<b>Total</b>	306	613
			<b>SR's</b>		0
<b>Customer</b>					
Department of Transportation - State of Michigan-Lansing, MI		Owner: Department of Transportation - State of Michigan-Lansing, MI			
425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909		425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909			
+1 517 3732090		+1 517 3732090			

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130492	Prime	WASHINGTON CHARTER TOWNSHIP   CENTRAL DIST. TRUNKLINE SEWER	JC	\$999,494	\$966,615
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 06-30-2015   Project Close Date: 02-16-2016			
			<b>STD</b>	<b>Total</b>	<b>SR's</b>
			36	176	0
			<b>Total</b>	176	176
<b>Customer</b>					
Township of Washington, MI		Owner: Township of Washington, MI			
57900 Van Dyke Macomb Washington MI 48094		57900 Van Dyke Macomb Washington MI 48094			
+1 586 7860010		+1 586 7860010			

Project Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130493	Prime	OAK PARK MI, 2015, PROJ# M-623   SEWER LINING PROJECT	JC	\$275,659	\$259,757
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 08-05-2015		Project Close Date: 11-05-2015	
<b>Customer</b>					
City of Oak Park, MI		Owner: City of Oak Park, MI			
10600 Capital Street		10600 Capital Street			
Oakland		Oakland			
Oak Park MI 48237-3133		Oak Park MI 48237-3133			
+1 248 6917497		+1 248 6917497			
<b>Summary</b>					
		STD	Total	SR's	
		24	237	237	0
		Total	237	237	

Project Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130496	Sub	THE KING CO., SAGINAW MI   FY15 M/D SAGINAW UPPERBAY MI	JC	\$71,603	\$64,848
<b>Project Manager</b>					
Quillen Jr, Kenneth R		Bid Date: 06-26-2015		Project Close Date: 11-07-2015	
<b>Customer</b>					
US Army Corps of Engineers(USACE)		Owner: US Army Corps of Engineers(USACE)			
- Detroit, MI		- Detroit, MI			
477 Michigan Ave		477 Michigan Ave			
Wayne		Wayne			
Detroit MI 48226		Detroit MI 48226			
+1 313 2264761		+1 313 2264761			
<b>Summary</b>					
		STD	Total	SR's	
		24	556	556	0
		Total	556	556	



JDE Job Number	130497	Role	Prime	Project Description	GRANDVILLE MI, PROJ.#150167.1   CIPP SANITARY SEWER REHAB			Project Status	JC	Contract Value	\$132,073	Final Contract Amount	\$83,738										
Project Manager	Quillen Jr, Kenneth R	Bid Date	09-10-2015	Project Close Date	03-08-2016	<table border="1"> <tr> <td>STD</td> <td>269</td> <td>Total</td> <td>269</td> </tr> <tr> <td>SR's</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td>269</td> <td>Total</td> <td>269</td> </tr> </table>		STD	269	Total	269	SR's	0			Total	269	Total	269				
STD	269	Total	269																				
SR's	0																						
Total	269	Total	269																				
Customer	City of Grandville, MI	Owner	City of Grandville, MI																				
	Kent Grandville MI 49481 +1 616 5313030		Kent Grandville MI 49481 +1 616 5313030																				

JDE Job Number	130503	Role	Prime	Project Description	MIDLAND MI, BID#3633   CIPP SEW,LINING,PO20150000681			Project Status	JC	Contract Value	\$527,601	Final Contract Amount	\$514,096														
Project Manager	Quillen Jr, Kenneth R	Bid Date	10-20-2015	Project Close Date	02-10-2016	<table border="1"> <tr> <td>STD</td> <td>1,531</td> <td>Total</td> <td>1,531</td> </tr> <tr> <td>SR's</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td>1,397</td> <td>Total</td> <td>1,397</td> </tr> <tr> <td></td> <td>2,928</td> <td>Total</td> <td>2,928</td> </tr> </table>		STD	1,531	Total	1,531	SR's	0			Total	1,397	Total	1,397		2,928	Total	2,928				
STD	1,531	Total	1,531																								
SR's	0																										
Total	1,397	Total	1,397																								
	2,928	Total	2,928																								
Customer	City of Midland, MI-Austin Street	Owner	City of Midland, MI-Austin Street																								
	2125 Austin Street Midland Midland MI 48642-5969 +1 989 8373500		2125 Austin Street Midland Midland MI 48642-5969 +1 989 8373500																								



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount																		
130508	Prime	HOLLAND MI, FY2016,SWR#68   SS MAIN LINING#SWR68,PO#079087	JC	\$1,000,914	\$1,280,179																		
<table border="1"> <thead> <tr> <th>Project Manager</th> <th>Bid Date</th> <th>Project Close Date</th> <th>STD</th> <th>Total</th> <th>SR's</th> </tr> </thead> <tbody> <tr> <td>Quillen Jr, Kenneth R</td> <td>04-04-2016</td> <td>08-01-2017</td> <td>24</td> <td>345</td> <td>0</td> </tr> <tr> <td colspan="3">Total</td> <td>345</td> <td>345</td> <td></td> </tr> </tbody> </table>						Project Manager	Bid Date	Project Close Date	STD	Total	SR's	Quillen Jr, Kenneth R	04-04-2016	08-01-2017	24	345	0	Total			345	345	
Project Manager	Bid Date	Project Close Date	STD	Total	SR's																		
Quillen Jr, Kenneth R	04-04-2016	08-01-2017	24	345	0																		
Total			345	345																			
<table border="1"> <thead> <tr> <th>Customer</th> <th>Owner</th> </tr> </thead> <tbody> <tr> <td>City of Holland, MI-Board of Public Works</td> <td>City of Holland, MI-Board of Public Works</td> </tr> <tr> <td>625 Hastings Avenue Ottawa Holland MI 49423-5427</td> <td>625 Hastings Avenue Ottawa Holland MI 49423-5427</td> </tr> <tr> <td>+1 616 3551642</td> <td>+1 616 3551642</td> </tr> </tbody> </table>						Customer	Owner	City of Holland, MI-Board of Public Works	City of Holland, MI-Board of Public Works	625 Hastings Avenue Ottawa Holland MI 49423-5427	625 Hastings Avenue Ottawa Holland MI 49423-5427	+1 616 3551642	+1 616 3551642										
Customer	Owner																						
City of Holland, MI-Board of Public Works	City of Holland, MI-Board of Public Works																						
625 Hastings Avenue Ottawa Holland MI 49423-5427	625 Hastings Avenue Ottawa Holland MI 49423-5427																						
+1 616 3551642	+1 616 3551642																						

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount																		
130512	Prime	JACKSON MI, 2016 PROJECT   SEWER REHAB W/UP TO 2 YR RENEW	JC	\$241,501	\$220,108																		
<table border="1"> <thead> <tr> <th>Project Manager</th> <th>Bid Date</th> <th>Project Close Date</th> <th>STD</th> <th>Total</th> <th>SR's</th> </tr> </thead> <tbody> <tr> <td>Ginderske, Duane A</td> <td>04-28-2016</td> <td>09-23-2016</td> <td>24</td> <td>1,851</td> <td>0</td> </tr> <tr> <td colspan="3">Total</td> <td>1,851</td> <td>1,851</td> <td></td> </tr> </tbody> </table>						Project Manager	Bid Date	Project Close Date	STD	Total	SR's	Ginderske, Duane A	04-28-2016	09-23-2016	24	1,851	0	Total			1,851	1,851	
Project Manager	Bid Date	Project Close Date	STD	Total	SR's																		
Ginderske, Duane A	04-28-2016	09-23-2016	24	1,851	0																		
Total			1,851	1,851																			
<table border="1"> <thead> <tr> <th>Customer</th> <th>Owner</th> </tr> </thead> <tbody> <tr> <td>City of Jackson, MI</td> <td>City of Jackson, MI</td> </tr> <tr> <td>521 Water St Jackson Jackson MI 49203-1961</td> <td>521 Water St Jackson Jackson MI 49203-1961</td> </tr> <tr> <td>+1 517 7884160</td> <td>+1 517 7884160</td> </tr> </tbody> </table>						Customer	Owner	City of Jackson, MI	City of Jackson, MI	521 Water St Jackson Jackson MI 49203-1961	521 Water St Jackson Jackson MI 49203-1961	+1 517 7884160	+1 517 7884160										
Customer	Owner																						
City of Jackson, MI	City of Jackson, MI																						
521 Water St Jackson Jackson MI 49203-1961	521 Water St Jackson Jackson MI 49203-1961																						
+1 517 7884160	+1 517 7884160																						



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount									
130513	Sub	KAMMINGA &ROODVOETS,HOLLAND MI   9TH ST.RECONS.MDOT#7050012479	JC	\$168,693	\$168,788									
Project Manager		Bid Date	Project Close Date											
Ginderske, Duane A		04-01-2016	06-30-2016											
		<table border="1"> <tr> <td>AIS</td> <td>Total</td> <td>SR's</td> </tr> <tr> <td>60</td> <td>483</td> <td>0</td> </tr> <tr> <td>Total</td> <td>483</td> <td>483</td> </tr> </table>		AIS	Total	SR's	60	483	0	Total	483	483		
AIS	Total	SR's												
60	483	0												
Total	483	483												
Customer		Owner												
Department of Transportation - State of Michigan-Lansing, MI		Department of Transportation - State of Michigan-Lansing, MI												
425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909		425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909												
+1 517 3732090		+1 517 3732090												

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount									
130517	Prime	ROYAL OAK, MI -2016 CNT.#S1602   2016 SEWER LINING PROJECT	JC	\$393,949	\$400,634									
Project Manager		Bid Date	Project Close Date											
Ginderske, Duane A		08-09-2016	03-08-2017											
		<table border="1"> <tr> <td>STD</td> <td>Total</td> <td>SR's</td> </tr> <tr> <td>24</td> <td>711</td> <td>0</td> </tr> <tr> <td>Total</td> <td>711</td> <td>711</td> </tr> </table>		STD	Total	SR's	24	711	0	Total	711	711		
STD	Total	SR's												
24	711	0												
Total	711	711												
Customer		Owner												
City of Royal Oak, MI		City of Royal Oak, MI												
211 S Williams Street Oakland Royal Oak MI 48067-2619		211 S Williams Street Oakland Royal Oak MI 48067-2619												
+1 248 5461000		+1 248 5461000												

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount										
130520	Prime	MICHIGAN D.O.T. -ADRIAN, MI   EMERGENCY-FRIENDLY VILLAGE	JC	\$67,036	\$67,863										
<b>Project Manager</b>															
Ginderske, Duane A		Bid Date: 11-08-2016		Project Close Date: 12-05-2016											
<b>Customer</b>															
Department of Transportation - State of Michigan-Lansing, MI		Owner: Department of Transportation - State of Michigan-Lansing, MI													
425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909		425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909													
+1 517 3732090		+1 517 3732090													
			<table border="1"> <thead> <tr> <th>AMS</th> <th>Total</th> <th>SRs</th> </tr> </thead> <tbody> <tr> <td>36</td> <td>328</td> <td>0</td> </tr> <tr> <td>Total</td> <td>328</td> <td>328</td> </tr> </tbody> </table>		AMS	Total	SRs	36	328	0	Total	328	328		
AMS	Total	SRs													
36	328	0													
Total	328	328													

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount													
130524	Prime	BATTLE CREEK MI,CONT.#2017-42B   2016-17SEW,LINING PJ#D17-0020	JC	\$998,018	\$992,278													
<b>Project Manager</b>																		
Ginderske, Duane A		Bid Date: 02-24-2017		Project Close Date: 12-22-2017														
<b>Customer</b>																		
City of Battle Creek, MI		Owner: City of Battle Creek, MI																
350 Michigan Ave W Calthoun Battle Creek MI 49017-2343		350 Michigan Ave W Calthoun Battle Creek MI 49017-2343																
+1 269 9663480		+1 269 9663480																
			<table border="1"> <thead> <tr> <th>STD</th> <th>Total</th> <th>SRs</th> </tr> </thead> <tbody> <tr> <td>48</td> <td>3,675</td> <td>0</td> </tr> <tr> <td>54</td> <td>665</td> <td>665</td> </tr> <tr> <td>Total</td> <td>4,340</td> <td>4,340</td> </tr> </tbody> </table>		STD	Total	SRs	48	3,675	0	54	665	665	Total	4,340	4,340		
STD	Total	SRs																
48	3,675	0																
54	665	665																
Total	4,340	4,340																

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130525	Sub	KALIN CONSTRUCT, ST. JOSEPH MI	JC	\$98,678	\$96,668
<b>2017 ST. JOSEPH CSO PROJECT</b>					
Project Manager		Bid Date	Project Close Date	STD	Total
Ginderske, Duane A		02-01-2017	08-04-2017	36	381
Customer		Owner		Total	SRs
St. Joseph		City of Saint Joseph, MI		381	0
700 Broad Street		700 Broad St			
St. Joseph MI 49085		Berrien			
		Saint Joseph MI 49085-1276			
+1 289 9836341		+1 616 9835541			

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130526	Prime	GENESEE CO DRAIN COMM, FARRAND	JC	\$198,952	\$211,551
<b>&amp; WEBSTER EMERG LINING PROJECT</b>					
Project Manager		Bid Date	Project Close Date	AIS	Total
Ginderske, Duane A		02-06-2017	06-09-2017	42	533
Customer		Owner		Total	SRs
Genesee County-Flint, MI-Drain		Genesee County-Flint, MI-Drain		533	0
Commissioner		Commissioner			
G4610 Beecher Road		G4610 Beecher Road			
Genesee		Genesee			
Flint MI 48532		Flint MI 48532			
+1 810 7327870		+1 810 7327870			



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount												
130527	Sub	SEVENSON ENVIRON.SERV.FLINT MI   FLINT E.BLVD-FORMER MGP SITE	JC	\$59,700	\$59,267												
<b>Project Manager</b>																	
Ginderske, Duane A		Bid Date: 02-15-2017		Project Close Date: 09-19-2017													
<table border="1"> <thead> <tr> <th></th> <th>AIS</th> <th>Total</th> <th>SRs</th> </tr> </thead> <tbody> <tr> <td></td> <td>36</td> <td>275</td> <td>275</td> </tr> <tr> <td><b>Total</b></td> <td></td> <td>275</td> <td>275</td> </tr> </tbody> </table>							AIS	Total	SRs		36	275	275	<b>Total</b>		275	275
	AIS	Total	SRs														
	36	275	275														
<b>Total</b>		275	275														
<b>Customer</b>																	
Consumers Energy Company-Ann Arbor, MI		Owner: Consumers Energy Company-Ann Arbor, MI															
N/A Washenaw Ann Arbor MI 48108		N/A Washenaw Ann Arbor MI 48108															
+1 11 1111111		+1 11 1111111															

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount												
130528	Prime	KINGSFORD MI,BREEN AVENUE   BREEN AVE. SS PROJ,ENGR#17059	JC	\$62,227	\$62,227												
<b>Project Manager</b>																	
Ginderske, Duane A		Bid Date: 04-17-2017		Project Close Date: 08-24-2017													
<table border="1"> <thead> <tr> <th></th> <th>STD</th> <th>Total</th> <th>SRs</th> </tr> </thead> <tbody> <tr> <td></td> <td>24</td> <td>329</td> <td>329</td> </tr> <tr> <td><b>Total</b></td> <td></td> <td>329</td> <td>329</td> </tr> </tbody> </table>							STD	Total	SRs		24	329	329	<b>Total</b>		329	329
	STD	Total	SRs														
	24	329	329														
<b>Total</b>		329	329														
<b>Customer</b>																	
City of Kingsford, MI 305 South Carpenter Avenue Dickinson Kingsford MI 49802 +1 906 7743526		Owner: City of Kingsford, MI 305 South Carpenter Avenue Dickinson Kingsford MI 49802 +1 906 7743526															





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130537	Sub	LANSING MI,2018 SEWER LINING   2018 SEWER LINING	JC	\$220,004	\$240,842

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	06-29-2017	03-19-2018	870	870	0
Total			870	870	

Customer	Owner
City of Lansing, MI 123 W Ottawa St 123 W Ottawa Street Ingham Lansing MI 48901-3007 +1 517 3187003	City of Lansing, MI 123 W Ottawa St 123 W Ottawa Street Ingham Lansing MI 48901-3007 +1 517 3187003

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130538	Prime	ESCANABA MI,2017 PROJECT   2017 SEWER CIPP LINING PROJECT	JC	\$718,630	\$719,375

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	07-06-2017	06-08-2018	1,847	1,847	0
Total			1,847	1,847	

Customer	Owner
City of Escanaba, MI 410 Ludington St. Delta Escanaba MI 49829 +1 906 7869402	City of Escanaba, MI 410 Ludington St. Delta Escanaba MI 49829 +1 906 7869402



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130540	Prime	HURON CHARTER TOWNSHIP   2016 SANIT. SEW. LINING #83072	JC	\$132,881	\$126,211

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	10-04-2016	02-08-2018

Customer	Owner
Huron Charter Township 22950 Huron River Road Wayne New Boston MI 48164 +1 734 7539376	Huron Charter Township 22950 Huron River Road Wayne New Boston MI 48164 +1 734 7539376

	STD	Total	SR's
30	877	877	0
Total	877	877	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130543	Prime	OAK PARK MI,2017/2018 PJ M-677   2017/2018 SEW. LINING M-677	JC	\$191,156	\$189,607

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	12-19-2017	03-08-2019

Customer	Owner
City of Oak Park, MI 10600 Capital Street Oakland Oak Park MI 48237-3133 +1 248 6917497	City of Oak Park, MI 10600 Capital Street Oakland Oak Park MI 48237-3133 +1 248 6917497

	STD	Total	SR's
24	638	638	0
Total	638	638	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130544	Prime	EASTPOINTE MI, 2018 SS REHAB   2018 SANIT SEWER REHAB	JC	\$582,411	\$665,925

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	03-13-2018	02-03-2020
<b>Customer</b>		
City of Eastpointe, MI		
17800 E 10 Mile Rd		
17800 E 10 Mile Road		
Macomb		
Eastpointe MI 48021-1285		
+1 810 4455040		

STD	Total	SR's
24	466	0
Total	466	466

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130546	Sub	RIETH-RILEY CONST.,LIVINGSTON   120537 I-96 2018 LIVINGSTON CO	JC	\$295,709	\$384,421

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	03-02-2018	08-13-2018
<b>Customer</b>		
Department of Transportation - State of Michigan-Lansing, MI		
425 W Ottawa Street		
PO Box 30050		
Ingham		
Lansing MI 48909		
+1 517 3732090		

AIS	Total	SR's
24	586	0
60	230	230
Total	816	816

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
13054601	Sub	RIETH-RILEY CONST.,INGHAM CO.   120537 I-96 2018 INGHAM COUNTY	JC	\$251,416	\$291,747

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	04-20-2018	10-10-2018

Customer	Owner
Rieth Riley Construction-Indianapolis, IN	Department of Transportation - State of Michigan-Lansing, MI
1751 W. Minnesota Street Marion Indianapolis IN 46221	425 W. Ottawa Street PO Box 30050 Ingham Lansing MI 48909
+1 317 6345561	+1 517 3732090

	AIS	Total	SR's
24	956	956	0
Total	956	956	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130548	Sub	M & M EXCAVATING CO.E.TAWAS MI   MIDOT PROJ. MH35032-11294A CIPP	JC	\$126,890	\$111,967

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	01-05-2018	11-20-2018

Customer	Owner
Department of Transportation - State of Michigan-Lansing, MI	Department of Transportation - State of Michigan-Lansing, MI
425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909	425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909
+1 517 3732090	+1 517 3732090

	STD	Total	SR's
36	368	368	0
Total	368	368	





JDE Job Number	Role	Project Description	Contract Value	Project Status	Final Contract Amount
130551	Sub	HOFFMAN BROS.,P#18-15,LANSING   18-15 LANSING CSO SUB AREA034C	\$687,953	JC	\$710,644

Project Manager	Bid Date	Project Close Date	AIS	STD	Total	SR's
Ginderske, Duane A	01-30-2018	05-13-2020	0	286	286	0
			313	782	1,095	
<b>Customer</b>	<b>Owner</b>		313	1,068	1,381	

City of Lansing, MI	City of Lansing, MI	
123 W Ottawa St	123 W Ottawa St	
123 W Ottawa Street	123 W Ottawa Street	
Ingham	Ingham	
Lansing MI 48901-3007	Lansing MI 48901-3007	
+1 517 3187003	+1 517 3187003	

JDE Job Number	Role	Project Description	Contract Value	Project Status	Final Contract Amount
130554	Prime	GENESEE CO.DRAIN COMM.,DIV. A   2018 SANIT. SEWER MAIN-DIV. A	\$1,259,815	JC	\$1,274,209

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	05-22-2018	09-17-2020	9,640	9,640	0
			1,561	1,561	
<b>Customer</b>	<b>Owner</b>		11,201	11,201	

Genesee County-Flint,MI-Drain Commissioner	Genesee County-Flint,MI-Drain Commissioner	
G4610 Beecher Road	G4610 Beecher Road	
Genesee	Genesee	
Flint MI 48532	Flint MI 48532	
+1 810 7327870	+1 810 7327870	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130555	Prime	ROYAL OAK MI,2018 CONT.#S1802   2018 SEWER LINING,CONTR#S1802	JC	\$631,260	\$919,353

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	06-06-2018	01-16-2021

Customer	Owner
City of Royal Oak, MI 211 S Williams Street Oakland Royal Oak MI 48067-2619 +1 248 5461000	City of Royal Oak, MI 211 S Williams Street Oakland Royal Oak MI 48067-2619 +1 248 5461000

	STD	Total	SR's
24	604	604	0
Total	604	604	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130556	Prime	BARODA ESTATES LLC   LINE TWO 48-IN CULVERTS	JC	\$176,041	\$172,624

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	07-17-2017	04-07-2019

Customer	Owner
Village of Baroda,MI 9091 First Street Berrien Baroda MI 49101 +1 269 4221779	Village of Baroda,MI 9091 First Street Berrien Baroda MI 49101 +1 269 4221779

	STD	Total	SR's
48	849	849	0
Total	849	849	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130564	Prime	OAK PARK MI,2019 M-688   2019 SEWER LINING, M-688	JC	\$246,912	\$244,959

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	10-18-2018	03-29-2019	324	324	0
Total			324	324	

Customer	Owner
City of Oak Park, MI 10600 Capital Street Oakland Oak Park MI 48237-3133 +1 248 6917497	City of Oak Park, MI 10600 Capital Street Oakland Oak Park MI 48237-3133 +1 248 6917497

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130569	Sub	PIPELINE MANAGEMENT,OAKLAND CO   9 MILE@PHCC SANIT, SEWER REHAB	JC	\$195,808	\$176,668

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	07-09-2018	01-25-2019	979	979	0
Total			979	979	

Customer	Owner
Pipeline Management Co.-Millford,MI 2673 E. Maple Rd Oakland Millford MI 48381 +1 248 6951500	Oakland County,MI--Waterford, MI- Water Resource Commissioner One Public Works Drive, Building 95 West Oakland Waterford MI 48328 +1 248 8580958

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130570	Sub	PIPELINE MANAGEMENT,BLOOMFIELD   BLOOMFIELD VILLAGE DRAIN	JC	\$129,740	\$126,647

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	11-29-2018	02-20-2019

Customer	Owner
Pipeline Management Co.-Milliford,MI 2673 E. Maple Rd Oakland Milliford MI 48381 +1 248 6851500	Oakland County,MI--Waterford, MI- Water Resource Commissioner One Public Works Drive, Building 95 West Oakland Waterford MI 48328 +1 248 8580958

	AIS	Total	SR's
	24	945	0
	30	268	
<b>Total</b>	<b>1,213</b>	<b>1,213</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130574	Prime	GRAND HAVEN MI,2019 PROJECT   2019 SANIT. SEW. REH.ENG#18-1330	JC	\$531,580	\$534,745

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	03-13-2019	06-01-2020

Customer	Owner
City of Grand Haven, MI 519 Washington Avenue Ottawa Grand Haven MI 49417-1454 +1 616 8473493	City of Grand Haven, MI 519 Washington Avenue Ottawa Grand Haven MI 49417-1454 +1 616 8473493

	STD	Total	SR's
	24	752	0
<b>Total</b>	<b>752</b>	<b>752</b>	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130575	Prime	NEW LOTHROP MI,ENG125861SG2018   SANITARY SEWER REHAB	JC	\$461,181	\$440,716

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	04-04-2019	11-09-2020	24	85	0
Total			85	85	

Customer	Owner
Village of New Lothrop, MI	Village of New Lothrop, MI
N/A	N/A
Shiawassee	Shiawassee
New Lothrop MI 48460	New Lothrop MI 48460
+1 810 5555555	+1 810 5555555

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130581	Sub	PIPELINE MANAGEMENT,FARMINGTON   US-15 DRAIN REHAB FARMINGTON M	JC	\$166,892	\$169,171

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	02-15-2019	10-14-2019	24	894	0
Total			894	894	

Customer	Owner
Pipeline Management Co.-Milford,MI	City of Farmington, MI
2673 E. Maple Rd	23600 Liberty Street
Oakland	Oakland
Milford MI 48381	Farmington MI 48332
+1 248 6651500	+1 248 4745500





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130587	Prime	F & V CONSTRUCTION,HUDSON MI   2017 WASTEWATER SYS. IMPROVEM	JC	\$38,686	\$38,686

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	05-16-2019	09-20-2019

Customer	Owner
City of Hudson, MI	City of Hudson, MI
40 Jackson St	40 Jackson St
40 Jackson Street	40 Jackson Street
Lenawee	Lenawee
Hudson MI 49247	Hudson MI 49247
+1 517 4486101	+1 517 4486101

	STD	Total	SR's
24	361	361	0
Total	361	361	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130588	Prime	GRSD SEWER AUTH,BERRIEN CO. MI   2019 PIPE REHAB BERRIEN ST.	JC	\$97,869	\$93,962

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	07-16-2019	11-27-2019

Customer	Owner
Gallen River Sanitary District(GRSD), MI-New Buffalo,MI	Gallen River Sanitary District(GRSD), MI-New Buffalo,MI
10831 Kruger Road	10831 Kruger Road
Berrien	Berrien
New Buffalo MI 49117-9286	New Buffalo MI 49117-9286
+1 616 4693434	+1 616 4693434

	STD	Total	SR's
24	384	384	0
Total	384	384	







JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130600	Prime	BATTLE CREEK MI,CON #2020-022B   2019-54* SANIT.SEW.INTERC.REH	JC	\$1,555,715	\$2,564,574

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	09-19-2019	05-28-2020	8,834	8,834	0
Total			8,834	8,834	

Customer	Owner
City of Battle Creek, MI 350 Michigan Ave W Calhoun Battle Creek MI 49017-2343 +1 269 9663480	City of Battle Creek, MI 350 Michigan Ave W Calhoun Battle Creek MI 49017-2343 +1 269 9663480

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130602	Sub	CORBY ENERGY SERV.BRANCH.CO.MI   I-69 NB & SB OVER RAPPALEYE	JC	\$1,088,090	\$1,133,090

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Ginderske, Duane A	10-23-2019	01-10-2020	297	297	0
Total			297	297	

Customer	Owner
Corby Energy Services 6001 Schooner St Wayne Belleville MI 48111 +1 734 5479237	Department of Transportation - State of Michigan-Lansing, MI 425 W Ottawa Street PO Box 30050 Ingham Lansing MI 48909 +1 517 3732090

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130603	Sub	E.T. MACKENZIE, HOWELL MI   THAI SUMMIT CONNECTOR/PRESSPIT	JC	\$32,169	\$38,254

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	11-18-2019	01-23-2020

Customer	Owner
E. T. MacKenzie Company-Grand Ledge, MI	City of Ann Arbor, MI
4248 W Saginaw Highway Eaton Grand Ledge MI 48837	2000 S Industrial Highway Washnaw Ann Arbor MI 48104-6120
+1 517 6222123	+1 734 9949938

	STD	Total	SR's
Total	24	83	83
			0

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130612	Prime	ADA TOWNSHIP MI, PROJ.#180225.01   ADA DR. OUTLER SANIT. SEW. REPR.	JC	\$1,618,413	\$1,595,209

Project Manager	Bid Date	Project Close Date
Brinkoetter, Matthew J	04-16-2020	10-28-2020

Customer	Owner
Ada Township-Ada, MI	Ada Township-Ada, MI
7330 Thornapple River Drive Kent Ada MI 49301	7330 Thornapple River Drive Kent Ada MI 49301
+1 616 6769191	+1 616 6769191

	STD	Total	SR's
Total	24	422	422
	30	6,129	6,129
			6,551



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130618	Prime	DURAND MI, ICE GRANT IMPROVEM   ICE GRANT IMPROV,,SS LINING,	JC	\$297,454	\$251,471

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Brinkoetter, Matthew J	04-21-2020	04-03-2021	1,831	1,831	0
Total			1,831	1,831	

Customer	Owner
City of Durand, MI 215 West Clinton Street Shiawassee Durand MI 48429 +1 989 2883113	City of Durand, MI 215 West Clinton Street Shiawassee Durand MI 48429 +1 989 2883113



# Closed Project References 24" or Larger

Proprietary Property and Trade Secret of Augcon, Inc. Unrestricted Use. Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Closed Projects ( 2013 - Present ) - Detail Contract Value

Project JDE Job Number	Contract Value	Final Contract Amount
130440	\$74,750.00	\$74,750.00
130449	\$728,032.00	\$749,397.91
130454	\$194,001.00	\$201,010.40
130456	\$231,320.00	\$217,101.00
130459	\$1,215,057.70	\$1,220,378.16
130465	\$71,577.00	\$63,708.97
130469	\$760,590.00	\$755,165.28
130470	\$216,000.00	\$216,000.00
130474	\$974,233.30	\$1,049,553.57
130479	\$1,389,478.00	\$1,382,409.06
130482	\$200,203.00	\$186,041.70
130487	\$129,750.00	\$121,294.00
130491	\$663,600.00	\$685,470.00
130492	\$999,493.50	\$966,615.02
130493	\$275,659.10	\$259,757.20
130496	\$71,603.00	\$64,848.00
130497	\$132,072.50	\$83,737.50
130503	\$527,601.00	\$514,096.00
130508	\$1,000,914.45	\$1,280,178.54
130512	\$241,501.30	\$220,107.92
130513	\$168,693.00	\$168,788.00
130517	\$393,949.40	\$400,634.30
130520	\$67,035.60	\$67,863.20
130524	\$998,018.40	\$992,277.80
130525	\$98,678.40	\$96,667.80
130526	\$198,952.20	\$211,550.80
130527	\$59,700.00	\$59,267.30
130528	\$62,227.30	\$62,227.30
130537	\$220,003.50	\$240,842.28
130538	\$718,629.70	\$719,375.13
130540	\$132,880.50	\$126,210.90
130543	\$191,155.50	\$189,607.05
130544	\$582,410.50	\$665,924.77
130546	\$295,708.60	\$384,421.40
13054601	\$251,415.70	\$291,747.40



Project JDE Job Number	Contract Value	Final Contract Amount
130548	\$126,889.80	\$111,987.20
130551	\$687,952.98	\$710,643.80
130554	\$1,259,814.80	\$1,274,209.42
130555	\$631,259.50	\$919,352.56
130556	\$176,041.00	\$172,624.00
130564	\$246,911.90	\$244,959.30
130569	\$195,808.00	\$176,668.00
130570	\$129,740.20	\$126,646.70
130574	\$531,580.10	\$534,745.14
130575	\$461,181.28	\$440,716.21
130581	\$166,891.80	\$169,171.00
130587	\$38,686.30	\$38,686.30
130588	\$97,869.20	\$93,962.40
130600	\$1,555,715.10	\$2,564,574.42
130602	\$1,088,090.10	\$1,133,090.10
130603	\$32,168.50	\$38,253.50
130612	\$1,618,412.90	\$1,595,209.34
130618	\$297,453.90	\$251,471.20
<b>Total</b>	<b>\$23,879,362.51</b>	<b>\$25,585,996.25</b>





**Insituform Technologies USA, LLC**  
1088 Victory Dr.  
Howell, MI 48843  
Tel: (517) 546-4107  
Fax: (517) 546-4282  
[www.insituform.com](http://www.insituform.com)

At the time this bid was submitted, neither Insituform Technologies USA, LLC, nor it's major Sub-Contractors, can claim that any percentage of their work force reside in Ann Arbor or Washtenaw County.



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Cured-In-Place Pipe (CIPP) is a specialty construction application and the installation of the product requires specialized training. New hires at Insituform take part in a weeklong training program that provides them the knowledge and skills necessary to move into the field and onto an installation crew. At the end of the training period, these employees are qualified Operators but must still complete a 90- and 180-day review.

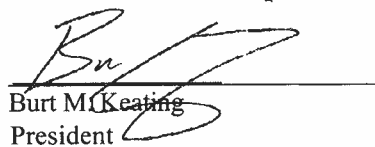
**INSITUFORM TECHNOLOGIES USA, LLC**

**PRESIDENT APPOINTMENT OF  
CONTRACTING AND ATTESTING OFFICERS**

The undersigned, being the President of Insituform Technologies USA, LLC, a Delaware Limited Liability Company (the "Company"), and pursuant to the authority set forth in the Limited Liability Company Operating Agreement of the Company, hereby determines that:

1. Christlanda Adkins, Janet Hass, Diane Partridge, Whitney Schulte, Ursula Youngblood and Patrizia Sordillo are appointed as Contracting and Attesting Officers of the Company, each with the authority, individually and in the absence of the others, subject to the control of the Board of Managers of the Company, to: (i) certify and attest to the signature of any officer of the Company; (ii) enter into and bind the Company to perform pipeline rehabilitation activities of the Company and all matters related thereto, including the maintenance of one or more offices and facilities of the Company; (iii) execute and to deliver documents on behalf of the Company; and (iv) take such other action as is or may be necessary and appropriate to carry out the project, activities and work of the Company.
2. Any person previously appointed or serving as a Contracting and Attesting Officer of the Company prior to the date hereof and who is not named above is hereby removed from any such appointment.

Dated: September 30, 2022

  
Burt M. Keating  
President



**INSUITUFORM TECHNOLOGIES USA, LLC  
BOARD OF MANAGERS AND OFFICERS  
(Current as of September 30, 2022)**

<b><u>BOARD OF MANAGERS</u></b>
Robert Tullman Member, Board of Managers
Monta M. Bolles Member, Board of Managers
Ali S. Sheikh Member, Board of Managers

<b><u>OFFICERS</u></b>	
<b><u>Name</u></b>	<b><u>Office</u></b>
Burt M. Keating	President
Ali S. Sheikh	Executive Vice President & Chief Financial Officer
Monta M. Bolles	Executive Vice President, Chief Legal Officer, Chief HR Officer & Secretary
John L. Heggemann	Sr. Vice President
Donald E. Hake	Sr. Vice President & Treasurer
Dennis Pivin	Vice President – Safety

<b><u>CONTRACTING AND ATTESTING OFFICERS</u></b>
Christlanda Adkins
Janet Hass
Patrizia Sordillo
Diane Partridge
Whittney Schulte
Ursula Youngblood

**Business Address for Board of Managers and Officers:**  
580 Goddard Avenue  
Chesterfield, MO 63005



GRETCHEN WHITMER  
Governor

STATE OF MICHIGAN  
DEPARTMENT OF TRANSPORTATION  
Lansing

PAUL C. AJEGBA  
Director

July 27, 2022

Insituform Technologies USA, LLC  
580 Goddard Ave  
Chesterfield MO 63005-3700

**Vendor ID: 08843**

Dear Contractor:

Thank you for your interest in doing business with the Michigan Department of Transportation (MDOT) as a prequalified construction contractor. This is to inform you that the application submitted for prequalification by **Insituform Technologies USA, LLC has been approved.**

In accordance with our [Administrative Rules](#), an **overall financial rating of \$42,865,000.00** has been established which covers numerical ratings in the classifications(s) listed below:

42865 (\$42,865,000.00) K Sewers and Watermains

**This prequalification rating is effective until April 30, 2024** ; a renewal application must be submitted by this date to prevent removal of prequalification.

If the assigned rating is not satisfactory, the Prequalification Committee must be notified in writing within 15 days of having been advised of the rating granted. MDOT may declare a prequalified bidder ineligible to bid at any time because of developments subsequent to prequalification which, in its opinion, would affect the responsibility of the bidder or their ability to perform the contract work.

If you have any questions or need additional information, please use the following contacts:

Construction Prequalification: [MDOTPrequal@michigan.gov](mailto:MDOTPrequal@michigan.gov) , [Prequalification Website](#)

Bid Letting (electronic bidding process): [MDOT-BidLetting@michigan.gov](mailto:MDOT-BidLetting@michigan.gov) , [Bid Letting Website](#)

Congratulations on your status as an MDOT Construction Prequalified Contractor. MDOT's Construction Prequalification team looks forward to working with you!

Lawrence F. Strzalka  
Construction Contracts Section Manager  
Contract Services Division





Department of Licensing and Regulatory Affairs  
Lansing, Michigan

This is to Certify That

INSITUFORM TECHNOLOGIES USA, LLC

a(n) Delaware FOREIGN LIMITED LIABILITY COMPANY,

was validly authorized, on January 27, 2012, to transact business in Michigan, and that said limited liability company holds a valid certificate of authority to transact business in this state, and has satisfied its annual filing obligations.

This certificate is issued pursuant to the provisions of 1993 PA 23 to attest to the fact that the limited liability company is in good standing in Michigan as of this date and is duly authorized to transact in this state any business set forth in its application which a domestic limited liability company formed under this act may lawfully conduct except as limited by statements in its Application for Certificate of Authority or under the law of its jurisdiction of organization.

This certificate is in due form, made by me as the proper officer, and is entitled to have full faith and credit given it in every court and office within the United States.



Sent by electronic transmission

Certificate Number: 19031358440

In testimony whereof, I have hereunto set my hand,  
in the City of Lansing, this 8th day of March, 2019.

Julia Dale, Director

Corporations, Securities & Commercial Licensing Bureau

Verify this certificate at: URL to eCertificate Verification Search <http://www.michigan.gov/corpverifycertificate>.

CORPORATION SERVICE COMPANY  
www.esglobal.com

CSC- Springfield

801 Adlai Stevenson Drive  
Springfield, IL 62703  
217-544-5900  
217-492-2727 (Fax)

Matter#	Not Provided	Order#	065065-100
Project #:		Order Date	01/18/2012
Entity Name:	INSITUFORM TECHNOLOGIES USA, LLC		
Jurisdiction:	MX- Department of Consumer and Industry Services		
Request for:	Quotation Billing		
UIC#:	D91204		
UIC# Date:	01/27/2012		
Result:	Filed		

Ordered by LORI DOWEN at AEGION CORPORATION

Thank you for using CSC. For real-time 24 hour access to the status of any order placed with CSC, access our website at [www.esglobal.com](http://www.esglobal.com).

If you have any questions concerning this order or CSCGlobal, please feel free to contact us.

Dawn Frantz  
[dfrantz@esglobal.com](mailto:dfrantz@esglobal.com)

The responsibility for verification of the date and determination of the information herein lies with the client. We accept no liability for errors or omissions.

MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS BUREAU OF COMMERCIAL SERVICES	
RECEIVED JAN 28 2012	(FOR BUREAU USE ONLY)
JAN 27 2012	This document is voidable on the date that you file a subsequent effective date within 60 days after recorded date is filed in the document.
Name Corporation Service Company	REGISTRATION NUMBER OF CORPORATIONS
Address 801 Adlai Stevenson Drive	JAN 27 2012
City Springfield, IL 62703	EXPIRATION DATE

Document will be returned to the name and address you enter above.  
If the blank document will be mailed to the registered office.

D91284

APPLICATION FOR CERTIFICATE OF AUTHORITY  
TO TRANSACT BUSINESS IN MICHIGAN  
For use by Foreign Limited Liability Companies  
(Please read information and instructions on last page)

Pursuant to the provisions of Act 20, Public Acts of 1993, the undersigned limited liability company executes the following Application:

1. The name of the limited liability company is:  
INSTRUM TECHNOLOGIES USA, LLC

2. (Complete this item only if the limited liability company name is not available for use in Michigan.)  
The assumed name of the limited liability company to be used in or in dealings with the Bureau and in the transaction of the business in Michigan is:

3. It is organized under the laws of Delaware  
The date of organization is 12/22/1003  
The duration of the limited liability company if other than perpetual is \_\_\_\_\_

4. The address of the office required to be maintained in the state of organization or, if not so required, the principal office of the limited liability company is:  
1700 Edison Ave. Chesterfield MO 63005  
(city) (state) (zip) (country)

S/L

100- used 151435

6. a. The address of its registered office in Michigan is:

001 Abbot Road, East Lansing, Michigan 48823

b. The mailing address of the registered office if different than above:

\_\_\_\_\_ Michigan \_\_\_\_\_

c. The name of the resident agent at the registered office is:

GSC Lawyers (Accounting Services Company)

7. The Department is appointed the agent of the foreign limited liability company for service of process if no return has been appointed, or if appointed, the agent's authority has been revoked, the agent has resigned, or the agent cannot be found or served through the exercise of reasonable diligence.

The name and address of a member or manager or other person to whom the administrator is to send copies of any process served on the administrator is: (Must be different than agent shown in item 6c)

David F. Morris, Manager

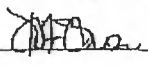
17085 Edison Ave. Chesterfield MO 63005

8. The specific business which the limited liability company is to conduct in Michigan is as follows:

All forms of construction and pipe replacement and repair installation.

The limited liability company is authorized to transact such business in the jurisdiction of its organization.

Signed this 9th day of January 2012

By  \_\_\_\_\_

David F. Morris, Manager

# Delaware

PAGE 1

*The First State*

I, JEREMY N. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "INSITUFORM TECHNOLOGIES USA, LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE NINETEENTH DAY OF JANUARY, A.D. 2012.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "INSITUFORM TECHNOLOGIES USA, LLC" WAS FORMED ON THE TWENTY-SECOND DAY OF DECEMBER, A.D. 1983.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE BEEN PAID TO DATE.

2024000 8300

120059761

For more details, this certificate online  
at [del.gov/secretary](http://del.gov/secretary)



  
Jeremy N. Bullock, Secretary of State  
AUTHENTICATION: 9304231

DATE: 01-10-12





Department of Licensing and Regulatory Affairs  
Lansing, Michigan

This is to Certify That

INSITUFORM TECHNOLOGIES USA, LLC

a limited liability company existing under the laws of the State of DELAWARE was validly authorized to transact business in Michigan on the 27th day of January, 2012, in conformity with 1993 PA 23.

The company is authorized to transact in this state any business of the character set forth in the application which a domestic company formed under like act may lawfully conduct. This authority shall continue as long as the company retains its authority to transact such business in the jurisdiction of its organization, its authority to transact business in this state has not been suspended or revoked, and the company has not surrendered its authority to transact business in this state.

This certificate is in due form, made by me as the proper officer, and is entitled to have full faith and credit given it in every court and office within the United States.

In testimony whereof, I have hereunto set my hand, in the City of Lansing, this 27th day of January, 2012.

 Director

Bureau of Commercial Services



**Insituform**  
Technologies USA, LLC

17988 Edison Avenue  
Chesterfield, MO 63005  
www.aegion.com

Insituform Technologies USA, LLC is a subsidiary of Aegion Corporation

## Insituform Personnel Company Resume

### ***Robert Tullman, President & Chief Executive Officer***

Mr. Tullman serves as our President and Chief Executive Officer. Most recently, Mr. Tullman served in the position as a Senior Advisor at New Mountain Capitol. Mr. Tullman is also the former President and CEO of USIC, the largest underground utility-locating business in North America. Mr. Tullman has 30 years of experience in Energy, Infrastructure and Utility Services. Mr. Tullman received his Bachelor of Chemical Engineering degree at the University of Delaware and his MBA at Duke University.

### ***Ralph Western, President, Senior Vice President and General Manager***

Mr. Western serves as Vice President and General Manager of Infrastructure Solutions and is responsible for the overall growth and profitability of Aegion's Infrastructure Solutions platform. Mr. Western has been with Aegion for more than 10 years and has almost 25 years of experience in the manufacturing and engineering sector and has his MBA from Wesleyan University. He has a proven track record of driving productivity improvement and delivering results during his tenure at Aegion.

### ***Timothy J. Gallagher, Chief Financial Officer***

Mr. Gallagher services as our Executive Vice President and Chief Financial Officer. T.J. most recently served as CFO for Incora where he was responsible for all finance and accounting globally while serving as a member of the company's Executive Leadership Team and directing the company's overall financial strategy. He brings more than 30 years of experience in financial management, capital restructuring and strategic planning. Prior to Incora, T.J. was CFO of Genesee & Wyoming Inc., a publicly traded railroad holding company, where he served for more than 14 years. Before joining Genesee & Wyoming, he was Senior Vice President and Treasurer of Level 3 Communications and held several financial positions during eight years at BP Amoco Corporation and nearly five years at WilTel Communications.

T.J. is a former officer in the U.S. Army Corps of Engineers and holds a bachelor's degree in electrical engineering and computer science from Princeton University, a master's degree in business administration from The Wharton School of the University of Pennsylvania, and a master's in financial mathematics from the University of Chicago.

### ***Monta M. Bolles, Executive Vice President, Chief Legal Officer, Chief HR Officer and Secretary***



**Insituform**  
Technologies USA, LLC

17988 Edison Avenue  
Chesterfield, MO 63005  
www.aegion.com

Insituform Technologies USA, LLC is a subsidiary of Aegion Corporation

Ms. Bolles serves as our Executive Vice President, Chief Legal Officer, Chief HR Officer and Secretary. She has more than 20 years' experience leading Legal, Human Resources, Compliance and Corporate Communications teams in public and large (\$1B+) Private Equity backed companies, specializing in field services. In her most recent role, Ms. Bolles was General Counsel at USIC, the largest utility locating company in the US (10,000+ employees), where she was responsible for a wide variety of legal and compliance matters across 46 states. Prior to USIC, Monta served dual roles as VP, General Counsel and VP, Global HR for Granite Services, a GE Company. While at Granite, Monta led greenfield start-ups in more than 20 countries across Europe, Asia and Africa. In her early career, Monta spent four years at GE's Corporate headquarters as Employment Law Counsel and a combined 7 years in private practice with Holland & Knight and Foley & Lardner. Monta graduated with a degree in Communications from Florida State University and earned her law degree from the University of Florida.

***Kent W. Bartholomew, Senior Vice President and Assistant Secretary***

Mr. Bartholomew serves as our Senior Vice President and Assistant Secretary, he joined Aegion in 2013 as the Securities & Corporate Counsel from the law firm of Bryan Cave LLP, where he was a member of the M&A and Securities department. He became Vice President and Associate General Counsel in April 2015, Vice President and General Counsel, Corrosion Protection in April 2017, Vice President and Deputy General Counsel in January 2019. Mr. Bartholomew received his B.S. degree in Economics from the University of California San Diego in 2000, a J.D. degree from the Saint Louis University School of Law in 2008 and his MBA from University of North Carolina in 2016.

***John L. Heggemann, Senior Vice President, Controller and Chief Accounting Officer***

Mr. Heggemann serves as our Senior Vice President, Corporate Controller and Chief Accounting Officer, a position he has held since June 2019. He served as our Vice President – Operational Finance, Middle East and Asia Pacific from April 2018 to June 2019. Prior to that, Mr. Heggemann served as our Senior Controller and Director of Cost Accounting in the Corrosion Protection Platform and as a Plant/Manufacturing Controller and Senior Financial Analyst in the Infrastructure Solutions Platform. Mr. Heggemann has been with the Company since August 2013 and previously worked for the Company from September 2001 to September 2006. Mr. Heggemann served in finance-related roles with Spartan Showcase, a division of Leggett & Platt, Inc., and with Carboline Company, a division of RPM International Inc., from September 2006 to August 2013.

***Donald E. Hake, Senior Vice President and Treasurer***

Mr. Hake serves as the Sr. Vice President and Treasurer. Mr. Hake joined Aegion in 2018 as Vice President and Assistant Controller. He has over 30 years of experience in financial reporting, tax, treasury and controllership/finance. Prior to Aegion he was held a range of positions in finance; CFO, Corporate Controller and Treasurer at both public and private companies in St. Louis. He



**Insituform**  
*Technologies USA, LLC*

17988 Edison Avenue  
Chesterfield, MO 63005  
[www.aegion.com](http://www.aegion.com)

Insituform Technologies USA, LLC is a subsidiary of Aegion Corporation

graduated from Indiana University with a BS in Accounting and Washington University with an Executive MBA. He holds CPA certificates from both Indiana and Missouri.

# Kenneth R. Quillen Jr.

Vice President & Area Manager



## Education:

### Civilian

- Perry Meridian High School Graduate 1979
- Construction Management, Indiana University, 1979-80
- Business Math, Math, English and American Literature, Park College, 1987-89
- Construction Management, Codes and Cost Estimation, Park College, 1989-90
- Civil Engineering, University of Missouri 1991-94

### Military:

- Emergency Information System, San Antonio TX 1997
- Defense Packaging of Hazardous Materials for Transportation, Vilsek, Germany 1995
- Advanced Noncommissioned Officers Course, Fort Leonard Wood, MO 1994
- Operational Radiation Safety Course, Fort Leonard Wood MO 1993
- Horizontal Construction Supervisors Course, Fort Leonard Wood MO 1990
- Drill Sergeant School, Fort Leonard Wood, MO 1988
- Nuclear, Biological & Chemical Course, Fort Leonard Wood MO 1988
- Basic Noncommissioned Officers Course, Hoenfels, Germany 1985
- Primary Noncommissioned Officers Course, Fort Benning, GA 1983

## Years of Industry Experience:

- 22 Years

## Years of Similar Project Experience:

- 30+ Years

## Contact:

Kenneth R. Quillen Jr.  
1088 Victory Dr  
Howell, Michigan 48843  
1.989.277.6046  
kquillen@aegion.com

## OVERVIEW

Mr. Quillen is an experienced, highly dedicated, highly motivated, and honest supervisor with a strong work ethic and thirty-plus years of documented success in high level management and construction. He achieves success through team building, quality control, strategic planning, training, communications, problem solving, and negotiation providing unparalleled project operational leadership for Insituform Technologies, LLC after serving in various leadership positions in the U.S. Army. Mr. Quillen is a visionary who synthesizes facts, events, and concepts to develop realistic and long-range plans. He has proven very successful in balancing cost and quality with project development and delivery timelines, all while achieving the highest of standards in a myriad of ways; receiving numerous awards for performance and job completion; coining the phrase "To Standard, at Budget and on Time".

His specific duties and responsibilities include:

- Management of 144 personnel, equipment, and an average Regional Plan of \$95,000,000.
- Partnering with Sr. VP to prepare business plans for review and approval that align with corporate strategic objectives.
- Structuring and staff organization to meet commitments in business plan; leading organizational development to create and maintain a high-performance culture; and establishing individual performance objectives and mentoring personnel to drive high-impact behaviors and maintain focus on priorities.
- Demonstrating team leadership through effective interactions with business unit peers, customers, business development personnel, estimating, project management, production, and all corporate departments.
- Review of bids and proposals and approving contract prices. Partnering with Sr. VP to develop bid strategies, develop and implement consistent estimating processes, optimize pricing, specify subcontractor strategies, and respond to competitive analyses.
- Managing business operations to achieve revenue and income objectives. Managing and optimizing operating and capital budgets.
- Ensures projects are managed to support revenue and profitability plans and that processes to deliver all projects to as-bid gross margins are implemented consistently across the business unit.
- Meet or exceed annual safety incident rate goals as established by executive management. Maintenance an unwavering safety culture in all operations.
- Partnering with the Operations Manager, Lead Estimator and Area Manager of Business Development to ensure that all functions work in concert to meet the strategic objectives of the Area and Region.



# Kenneth R. Quillen Jr.

Vice President & Area Manager



## Education:

### Civilian

- Perry Meridian High School Graduate 1979
- Construction Management, Indiana University, 1979-80
- Business Math, Math, English and American Literature, Park College, 1987-89
- Construction Management, Codes and Cost Estimation, Park College, 1989-90
- Civil Engineering, University of Missouri 1991-94

### Military:

- Emergency Information System, San Antonio TX 1997
- Defense Packaging of Hazardous Materials for Transportation, Vilsek, Germany 1995
- Advanced Noncommissioned Officers Course, Fort Leonard Wood, MO 1994
- Operational Radiation Safety Course, Fort Leonard Wood MO 1993
- Horizontal Construction Supervisors Course, Fort Leonard Wood MO 1990
- Drill Sergeant School, Fort Leonard Wood, MO 1988
- Nuclear, Biological & Chemical Course, Fort Leonard Wood MO 1988
- Basic Noncommissioned Officers Course, Hoenfels, Germany 1985
- Primary Noncommissioned Officers Course, Fort Benning, GA 1983

## Years of Industry Experience:

- 22 Years

## Years of Similar Project Experience:

- 30+ Years

## Contact:

Kenneth R. Quillen Jr.  
1088 Victory Dr  
Howell, Michigan 48843  
1.989.277.6046  
kquillen@aegion.com

## PREVIOUS INDUSTRY EXPERIENCE

**Role(s):** Sr. Project Manager / Operations Manager / Facility Manager

**Organization:** Insituform Technologies, LLC

**Duration:** 2000-2016

- Oversight of project management teams for Great Lakes Operation. Responsible for the supervision, training and develop of Indiana and Illinois Project Managers.
- Reorganized and restructured two area offices, setting them up for long term success.
- Managed all operational requirements of the Michigan area including project planning, project execution, crew utilization and equipment / resource allocation.
- As Sr. Project Manager, ensured each Great Lakes office met project goals and objectives and that everything was accomplished in accordance with company policies and values, outlined priorities, time requirements, and estimated funding conditions.
- As Sr. Project Manager for multiple offices prioritized, delegated, and control the administrative workflow to manage all aspects of construction.
- Handled multiple projects simultaneously and met all required deadlines and milestones. Facilitated weekly sessions and unit meetings to assess progress and resolve problems.
- Directed and coordinated activities of project personnel to ensure project progresses on schedule and within prescribed budget. Reviewed status reports prepared by project personnel and modified schedules or plans as required.

**Role(s):** Various (see below)

**Organization:** US Army

**Duration:** 1980-2000

### 1997 to 2000

- Headquarters, 937th Engineer Group, US Army, Fort Riley, Kansas:
- Senior Operations Manager/S3, 1999 – 2000
- Training Support Brigade, 5th US Army, Fort Riley, Kansas:
- Military Support to Civil Authorities NCOIC, 1997 – 1999

### 1980 to 1997

- Platoon / First Sergeant, 1994 - 1997
- Company Operations Manager, 1992 - 1994
- Senior Drill Sergeant, 1987 – 1990
- Squad Leader/Platoon Sergeant (Sergeant Morales Member), 1984-1987
- Basic Demolitions and Munitions / Airborne Soldier, 1980 – 1983

# Kenneth R. Quillen Jr.

Vice President & Area Manager



## Education:

### Civilian

- Perry Meridian High School Graduate 1979
- Construction Management, Indiana University, 1979-80
- Business Math, Math, English and American Literature, Park College, 1987-89
- Construction Management, Codes and Cost Estimation, Park College, 1989-90
- Civil Engineering, University of Missouri 1991-94

### Military:

- Emergency Information System, San Antonio TX 1997
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- Advanced Noncommissioned Officers Course, Fort Leonard Wood, MO 1994
- Operational Radiation Safety Course, Fort Leonard Wood MO 1993
- Horizontal Construction Supervisors Course, Fort Leonard Wood MO 1990
- Drill Sergeant School, Fort Leonard Wood, MO 1988
- Nuclear, Biological & Chemical Course, Fort Leonard Wood MO 1988
- Basic Noncommissioned Officers Course, Hoenfels, Germany 1985
- Primary Noncommissioned Officers Course, Fort Benning, GA 1983

## Years of Industry Experience:

- 22 Years

## Years of Similar Project Experience:

- 30+ Years

## Contact:

Kenneth R. Quillen Jr.  
1088 Victory Dr  
Howell, Michigan 48843  
1.989.277.6046  
kquillen@aegion.com

## LEADERSHIP & MANAGEMENT SKILLS / EXPERIENCE

- Not afraid to make a decision when needed and will stand behind any decision made.
- Honest, dedicated, and direct. The same always not wavering in leadership. Steadfast!
- Effective, versatile manager recognized for powerful communications skills and the ability to handle high- pressure situations in a professional and effective manner.
- Skilled at bringing a diverse group of people together to pursue a common goal within a firm or among partner institutions in a professional and effective manner.
- Earned Respect of superiors and subordinates with proven ability to obtain high performance levels from employees while maintaining a pleasant working atmosphere.
- Managed and maintained \$10,000,000 in equipment and real property with zero losses of accountability.
- Achieved nothing but commendable ratings and a 100 percent pass rate during all-major construction projects and equipment taskings.
- Received numerous awards for empowering others to achieve excellence.

## INSITUFORM TECHNOLOGIES USA, LLC

### FINANCIAL INFORMATION

#### **BONDING**

**Bonding Company:**

**Travelers Casualty & Surety Company of America**  
One Tower Square, 13CZ  
Hartford, CT 06183  
Blake Messer (314)579-8309  
A.M. Best Rating A++

**Broker:**

**Marsh & McLennan Agency**  
825 Maryville Centre Drive, Suite 200  
St. Louis, MO 63017  
Andrew Thome (314)594-2700

Bonding Capacity                      \$500,000,000

#### **INSURANCE**

**Insurance Company:**

**XL Insurance Company of America/Greenwich Insurance Co.**  
200 Liberty Street, One World Financial Center  
New York, NY 10281  
Nancy Rummel (317)374-0657

**Broker:**

Lockton Companies / St. Louis  
Three Cityplace Drive, Suite 900  
St. Louis, MO 63141  
Carol Henzler (314)432-0500

**AM Best Ratings:**

**Auto** – ACE American / AM Best Rating: A++ XV  
**WC** – Indemnity Ins. Co. of North America / AM Best Rating: A++, XV  
**GL** – Greenwich Insurance Company / AM Best Rating: A+, XV

#### **BANKING**

**Banking:**

Bank of America  
800 Market Street  
St. Louis, MO 63101  
Kevin Knopf (314)466-7726

#### **REFERENCES**

**Trade Reference:**

**AOC**

19991 Seaton Avenue, Perris, CA 92570  
Joe Simpson (901)854-2846  
[jsimpson@aoc-resins.com](mailto:jsimpson@aoc-resins.com)

**Ashland**

50 East RiverCenter Blvd  
Todd Hritz (614) 790-4631  
[tshritz@ashland.com](mailto:tshritz@ashland.com)

**Interplastic Corp**

1225 Willow Lake Blvd  
Steve Wetzel (651) 481-6582  
[swetzel@interplastic.com](mailto:swetzel@interplastic.com)



Marsh & McLennan Agency LLC  
825 Maryville Centre Drive, Suite 200  
St. Louis, MO 63017  
+ 1 314 594 2700  
MarshMMA.com

January 7, 2022

**Re: Insituform Technologies USA, LLC**

To Whom It May Concern:

Insituform Technologies USA, LLC is a valued Travelers Casualty and Surety Company of America surety customer. Travelers Casualty and Surety Company of America is one of the most financially sound insurance companies in the United States and enjoys a Best Rating of A++ with financial strength category of XV.

Due to Insituform Technologies USA, LLC's reputation, technical expertise, financial strength, quality equipment and experienced labor force, Marsh & McLennan Agency LLC is prepared to consider performance and payment bonds for single jobs in the \$250,000,000 range with an aggregate work program of \$700,000,000.

Should a project be awarded to and accepted by Insituform Technologies USA, LLC, we are prepared to consider providing the required bonds on their behalf. Any bonds are subject to acceptable review of the contract terms and conditions, bond forms, confirmation of financing, and any other underwriting considerations at the time of the request. It should be understood that any arrangement for bonds is strictly a matter between Insituform Technologies USA, LLC and Travelers Casualty and Surety Company of America. We assume no liability to third parties or to you if for any reason we do not execute said bonds.

Please feel free to contact me if you have any specific questions regarding Insituform Technologies USA, LLC or their surety bond program.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew P. Thome".

Andrew P. Thome, CEO

# TRAVELERS

Bilka Messer  
Account Executive Office  
Travelers Bond  
(314) 879-8300  
(314) 570-8300 (fax)

960 West Port Plaza,  
Suite 400  
St. Louis, MO 63140

January 9, 2019

RE: Insituform Technologies USA, LLC

To Whom It May Concern:

Insituform Technologies USA, LLC is a valued Travelers Casualty and Surety Company of America surety customer. Travelers Casualty and Surety Company is one of the most financially sound insurance companies in the United States and enjoys a Best Rating of A++ with financial strength category of XV, the highest rating awarded.

Due to Insituform Technologies USA, LLC's reputation, technical expertise, financial strength, quality equipment and experienced labor force, Travelers Casualty and Surety Company of America is prepared to execute performance and payment bonds for single jobs in the \$200,000,000 range with an aggregate work program of \$500,000,000. Over the past five years, we have issued \$1,365,322,172.00 in total bonded liability without any issues.

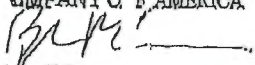
Over the course of Travelers Casualty and Surety Company's relationship with Insituform Technologies USA, LLC we have never had a complaint as respects any of their workmanship or a question as to their ability to perform on any project. Additionally, Insituform Technologies USA, LLC pro-active approach to it safe worksite and a safe labor force enables owners to rest assured that a safe work environment will be provided.

Should a project be awarded to and accepted by Insituform Technologies USA, LLC we are prepared to consider providing the required bonds on their behalf. Any bonds are subject to acceptable review of the contract terms and conditions, bond forms, confirmation of financing, and any other underwriting considerations at the time of the request. It should be understood that any arrangement for bonds is solely a matter between Insituform Technologies USA, LLC, and Travelers Casualty and Surety Company of America. We assume no liability to third parties or to you if for any reason we do not execute said bonds.

Please feel free to contact me if you have any specific questions regarding Insituform Technologies USA, LLC or their surety bond program.

Regards,

TRAVELERS CASUALTY AND SURETY  
COMPANY OF AMERICA

  
Bilka Messer  
Account Executive Office





Insituform Technologies USA, LLC  
17988 Edison Avenue  
Chesterfield, MO 63005  
[www.aegion.com](http://www.aegion.com)

January 24, 2022

LETTER FOR RECORD

To Whom It May Concern:

Insituform Technologies USA, LLC (“Insituform”) is a subsidiary of Aegion Corporation (“Aegion”) a \$1 billion revenue, international company.

Regulatory Matters

Insituform’s activities are regulated by several federal, state and local agencies to varying degrees, such as the DOT and state contractor licensing boards. Because of the size of Insituform, one or more regulatory agencies may be auditing or investigating aspects of its business at any given time, including OSHA and DOT. Insituform is not engaged in any pending state contractor licensing investigations or controversies.

Liabilities, Liens and Judgments

Insituform may occasionally have valid bills paid later than normal credit terms and improper bills that are protested. There are no outstanding, unsatisfied liens (which are not being protested) or judgments against Insituform.

Lawsuits

At any given time, in the ordinary course of business, Insituform is involved in various civil claims and suits relating to vehicle accidents, other property damage or personal injury matters, commercial disputes (including subcontractor disputes and customer payment disputes), employee litigation and other matters.

Very truly yours,

INSITUFORM TECHNOLOGIES USA, LLC

By: 

Ted J. Grimes  
Associate Counsel  
(636) 248-1250  
[tgrimes@acgion.com](mailto:tgrimes@acgion.com)

## EQUIPMENT LIST

Asset Revenue BU	Unit Number	Description	Serial Number	Mdl Yr	Business Unit
9156	15929	COMBO CLNR KEN T880 19	1NKZL40X0KJ285426	19	9156
9156	387163	FORKLIFT G943A GLD 8000LB	0160043633	05	9156
9156	AC1017	INVERTER AIR CHIP 105		07	9156
9156	AC1018	INVERTER AIR CHIP 107		06	9156
9156	AC1020	INVERTER AIR CHIP 106		09	9156
9156	AC1069	INVERTER AIR CHIP 109		17	9156
9156	AC1094	INVERTER AIR CHIP 117		17	9156
9156	AC1095	INVERTER AIR CHIP 117		17	9156
9156	AC1096	INVERTER AIR CHIP 117		17	9156
9156	ACR6110	AIR COMPRESSOR 375 CFM DOO 17	4FVCCBBA7HU482396	17	9156
9156	ACR6111	AIR COMPRESSOR 375 CFM DOO 17	4FVCCBBA9HU482397	17	9156
9156	ACR6112	AIR COMPRESSOR 375 CFM DOO 17	4FVCCBBA0HU482398	17	9156
9156	ACR6113	AIR COMPRESSOR 375 CFM DOO 17	4FVCCBBA2HU482399	17	9156
9156	BTK5038	BOILER TK C 140 HP INT 2674 01	1HTGLAET81H354899	01	9156
9156	BTK5583	BOILER TK W 200 HP INT 7500 05	1HTWNAZT45J155086	05	9156
9156	BTK6227	BOILER TK W 200 HP PTR 348 19	2NP3L0X2KM616773	19	9156
9156	BTK6228	BOILER TK C 140 HP PTR 348 19	2NP3L0X7KM616770	19	9156
9156	BTK7207	BOILER TK W 200 HP INT 7500 09	1HTWNAZT39J188943	09	9156
9156	BTK7431	BOILER TK C 140 HP INT 7500 11	1HTWNAZT5B337150	11	9156
9156	BTK8818	BOILER TK C 150 HP KEN T400 14	1NKBL0X6E1414063	14	9156
9156	BTK9888	BOILER TK C 150 HP PTR 348 18	2NP3L0X5JM461814	18	9156
9156	CRLU5101817	TRAILER VAN FRUEHAUF 40'			9156
9156	CRLU5102942	CONTAINER REEFER 40' PLM	CRLU 510 294 2		9156
9156	CRLU9141464	TRAILER VAN FRUEHAUF 40'			9156
9156	DGAI37	INVERTER DGAI 48" 16		16	9156
9156	DGAI42	INVERTER DGAI 48" 17		17	9156
9156	DGAI44	INVERTER DGAI 48" 17		17	9156
9156	DGR5829	TRAILER INVERTER DGAI	1B9TS23206M274324	06	9156
9156	DGR6282	TRAILER INVERTER DGAI 18	1B9TS2125JM274721	18	9156
9156	DGR6291	TRAILER INVERTER DGAI 18	1B9TS2129JM274722	18	9156
9156	DGR6292	TRAILER INVERTER DGAI 18	1B9TS2129JM274723	18	9156
9156	FBK9113	FLATBED FORD F550 4X2 15	1FD0W5GTXFEBB37465	15	9156

9156	FBK9599	FLATBED FORD F550 4X2 16	1FD0W5GT8GGEA85335	16	9156
9156	FBK9698	FLATBED FORD F550 4X2 D 16	1FD0W5GT7GEC58388	16	9156
9156	FBK9699	FLATBED FORD F550 4X2 D 16	1FD0W5GT9GEC58389	16	9156
9156	FBR1207	TRAILER UTILITY RED1 HAUL 88	1R9S142T4J1109651	88	9156
9156	FLT1250	FORKLIFT 7000# CLARK 91	Y685-0162-8415K0F	91	9156
9156	HWC132	INVERTER CHIP HOT WATER 04		04	9156
9156	HWC134	INVERTER CHIP HOT WATER 05		05	9156
9156	HWC135	INVERTER CHIP HOT WATER 05		05	9156
9156	HWC136	INVERTER CHIP HOT WATER 04		04	9156
9156	HWC137	INVERTER CHIP HOT WATER 05		05	9156
9156	HWC138	INVERTER CHIP HOT WATER 05		05	9156
9156	HWC139	INVERTER CHIP HOT WATER 18		18	9156
9156	HWC141	INVERTER CHIP HOT WATER 18		18	9156
9156	ITK1401	BOILER TK C 150 HP INT 8100 00	1HTHCADR7YH316469	00	9156
9156	ITK2601	BOILER TK C 140 HP INT 8100 00	1HTHCADR7YH316469	00	9156
9156	JTK5474	JETTER TRK 80 FRT M2-106 12	1FVACXDTXCHBK1074	12	9156
9156	JTK6001	JETTER TRK 80 KEN T370 18	2NKHMM7X8JM197718	18	9156
9156	JTK6121	JETTER TRK 80 KEN T370 18	2NKHMM7X9JM216275	18	9156
9156	JTK6189	JETTER TRK 80 PTR 337 19	2NP2HMTX2KM612002	19	9156
9156	JTK6230	JETTER TRK 80 KEN T370 19	2NKHMM7X1KM294518	19	9156
9156	JTK6231	JETTER TRK 80 KEN T370 19	2NKHMM7X3KM294519	19	9156
9156	JTK6340	JETTER TRK 80 KEN T370 19	2NKHMM7XXKM364632	19	9156
9156	JTK7434	JETTER TRK 80 INT 4400 11	1HTMKAZN3BH344493	11	9156
9156	JTK9089	JETTER TRK 40 FORD F550 15	1FDUF5GT0FEB13015	15	9156
9156	JTK9855	JETTER TRK 80 PTR 337 17	2NP2HMTX0HM440903	17	9156
9156	MRFM101	INVERTER MRFM 09		09	9156
9156	MRFM116	INVERTER MRFM			9156
9156	MRFM125	INVERTER MRFM			9156
9156	MRFM133	INVERTER MRFM 16		16	9156
9156	MRFM138	INVERTER MRFM 17		17	9156
9156	MRFM144	INVERTER MINI RFM 18		18	9156
9156	MRFM145	INVERTER MRFM 18		18	9156
9156	MRFM146	INVERTER MINI RFM 18		18	9156
9156	PMPS472	PUMP 6" BYPASS GODWIN			9156

9156	PMPS473	PUMP 6" BYPASS GODWIN					9156
9156	PPR5779	HYDRAULIC PP TRL H&H					9156
9156	PTK6120	PICKUP FORD F250 4X4 17	2836	1FT7W2B6XHEF00398	90	9156	9156
9156	PTK6361	PICKUP FORD F250 4X4 19		1FT7W2B62KED55395	17	9156	9156
9156	PTK8702	PICKUP FORD F250 4X4 14		1FT7W2B64EEA43972	19	9156	9156
9156	PTK9327	PICKUP FORD F150 4X4 14		1FTFW1EF8EKG10591	14	9156	9156
9156	PTK9455	PICKUP FORD F250 4X4 15		1FT7W2B64FEC66188	14	9156	9156
9156	PTK9672	PICKUP FORD F250 4X4 16		1FT7W2B69GEB79954	15	9156	9156
9156	PTK9673	PICKUP FORD F250 4X4 16		1FT7W2B67GEB79953	16	9156	9156
9156	PTK9973	PICKUP FORD F250 4X4 17		1FT7W2B65HED60311	16	9156	9156
9156	PTK9975	PICKUP FORD F250 4X4 17		1FT7W2B61HED60323	17	9156	9156
9156	PVS1006	PORTABLE VIDEO SYSTEM/ ARIES 09			17	9156	9156
9156	RFM007	INVERTER RFM AIR 06			09	9156	9156
9156	RFM022	INVERTER RFM AIR 06			06	9156	9156
9156	RFM055	INVERTER RFM AIR 07			06	9156	9156
9156	RFM056	INVERTER RFM 17			17	9156	9156
9156	RFM058	INVERTER RFM AIR 17	FA637431		17	9156	9156
9156	RFM074	INVERTER RFM 07			17	9156	9156
9156	RTK6102	REEFER TRK TA PTR TK 18		2NPP3L0X5JM486793	07	9156	9156
9156	RTK6233	REEFER TRK TA PTR 348 TK 19		2NPP3L0X0KM616402	18	9156	9156
9156	RTK7050	REEFER TRK TA FRT M2106 CR 07		1FVHCYDC07HY32810	19	9156	9156
9156	RTK9862	REEFER TRK TA PTR 348 TK 17		2NPP3L0X6HM442540	07	9156	9156
9156	TK8082	TOOL TRUCK INT 4300 05		1HTTMAAN45H159413	17	9156	9156
9156	TK9925	TOOL TRUCK PTR 220 18		3BPPHM6X5JF591609	05	9156	9156
9156	TK9926	TOOL TRUCK PTR 220 18		3BPPHM6X1JF591610	18	9156	9156
9156	TK9974	TOOL TRUCK PTR 220 18		3BPPHM6X5JF591643	18	9156	9156
9156	TTR5460	TOOL TRUCK PTR 18' 04		4DYBS182941024750	18	9156	9156
9156	TTR7180	TOOL TRAILER TVL 18' 04		4DYGS242191028686	04	9156	9156
9156	TTR7441	TOOL TRAILER TVL 24' 09		4DYGS242191028686	09	9156	9156
9156	TK5414	TOOL TRAILER TVL 24' 10		4DYGS2428A1029306	10	9156	9156
9156	TK6229	TV TRUCK VI/ARIES INTL 4300 05		1HTTMAAL05H681034	10	9156	9156
9156	TK7432	TV TRUCK VI/ARIES FORD F550 18		1FDUF5GT2JEC46030	05	9156	9156
9156	TK7486	TV TRUCK VI/ARIES INTL 4300 11		1HTTMAALXBH319219	18	9156	9156
9156	TK9137	TV TRUCK VI/ARIES INTL 4300 11		1HTTMAAL9BH377533	11	9156	9156
9156		TV TRUCK VI FORD F550 15		1FDUF5GT6FEA62734	11	9156	9156
9156					15	9156	9156

9156	TVK9501	TV TRUCK IB FORD F550 15	1FUDF5GT1FED57031	15	9156
9156	TVK9549	TV TRUCK VI FORD F550 15	1FDUF5GT3FED57032	15	9156
9156	TVK9668	TV TRUCK IB FORD F550 16	1FDUF5GT0GEC16789	16	9156
9156	TVK9681	TV TRUCK IB FORD TRANSIT 16	1FTRS4XG4GKB14951	16	9156
9156	TVK9777	TV TRUCK IB FORD F550 17	1FDUF5GT6HEB41582	17	9156
9156	WHL5526	LOADER WHEEL KOM WA200PT 04	KMTTWA067V57A89018	04	9156
9156	WTK5585	WATER TRUCK 3000 FORD L8000 85	1FDYU80U6FVA72756	85	9156





# CERTIFICATE OF REGISTRATION

This is to certify that

## **Insituform Technologies, LLC**

Headquarters

17999 Edison Avenue, Chesterfield, Missouri, 63005, USA

Refer to Attachment to Certificate of Registration dated July 6, 2021 for additional certified sites

operates a

## **Quality Management System**

which complies with the requirements of

## **ISO 9001:2015**

for the following scope of certification

**Design, development, manufacturing and installation of products for the rehabilitation of pipelines using trenchless technology. Certification of installation services is non-transferrable and applies only when performed directly by Insituform Technologies, LLC.**

Certificate No.: CERT-0133635

File No.: 1650845

Issue Date: July 6, 2021

Original Certification Date: February 11, 2014

Certification Effective Date: March 16, 2020

Certification Expiry Date: March 13, 2023

Frank Camasta  
Global Head of Technical Services  
SAI Global Assurance



ISO 9001



Registered by:  
QMI-SAI Canada Limited (SAI Global), 20 Carlson Court, Suite 200, Toronto, Ontario M9W 7K6 Canada. This registration is subject to the SAI Global Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, SAI Global accepts responsibility only for proven negligence. This certificate remains the property of SAI Global and must be returned to them upon request.  
To verify that this certificate is current, please refer to the SAI Global On-Line Certification Register:  
<https://www.saiglobal.com/en-us/assurance/auditing-and-certification/certification-registry/>



**SAI GLOBAL**

INFORM. INSPIRE. IMPROVE.

# ATTACHMENT TO CERTIFICATE OF REGISTRATION

These sites are registered under Certificate No: CERT-0133635 issued on July 6, 2021

File No.		Effective Date
1650845	<b>Insituform Technologies, LLC</b> <b>Headquarters</b> 17999 Edison Avenue, Chesterfield, Missouri, 63005, USA  Design, development, manufacturing and installation of products for the rehabilitation of pipelines using trenchless technology.	March 16, 2020
1650848	<b>Insituform Technologies, LLC</b> <b>Wetout</b> 7605 18th Street, Edmonton, Alberta, T6P 1N9, Canada  Manufacturing.	March 16, 2020
1650849	<b>Insituform Technologies, LLC</b> <b>Wetout</b> 912 Stanton Road, Olyphant, Pennsylvania, 18447, USA  Manufacturing.	March 16, 2020
1650850	<b>Insituform Technologies, LLC</b> <b>Wetout</b> 468 Cypress Road, Ocala, Florida, 34472, USA  Manufacturing.	March 16, 2020
1650851	<b>Insituform Technologies, LLC</b> <b>Wetout</b> 2255 W. 850 N., Cedar City, Utah, 84721, USA  Manufacturing.	March 16, 2020
1650853	<b>Insituform Technologies, LLC</b> <b>West Operations</b> 9654 Titan Court, Littleton, Colorado, 80125, USA  Preparation and Installation.	March 16, 2020
1650854	<b>Insituform Technologies, LLC</b> <b>Manufacturing</b> 160 Corporate Drive, Batesville, Mississippi, 38606, USA  Manufacturing.	March 16, 2020

These registrations are dependent on Insituform Technologies, LLC Headquarters (File No. 1650845) maintaining their scope of registration to ISO 9001:2015



# ATTACHMENT TO CERTIFICATE OF REGISTRATION

These sites are registered under Certificate No: CERT-0133635 issued on July 6, 2021

1650855	<b>Insituform Technologies, LLC</b> <b>Wetout</b> 2130 Stout Field West Drive, Indianapolis, Indiana, 46241, USA  Manufacturing.	March 16, 2020
1650856	<b>Insituform Technologies, LLC</b> <b>Wetout</b> 3061 Dublin Circle, Bessemer, Alabama, 35022, USA  Manufacturing.	March 16, 2020
1650857	<b>Insituform Technologies, LLC</b> <b>Wetout</b> 6526 Bluebonnet Parkway, McGregor, Texas, 76657, USA  Manufacturing.	March 16, 2020
1650858	<b>Insituform Technologies, LLC</b> <b>Wetout</b> 91-255 Kalaeloa Boulevard, Kapolei, Hawaii, 96707, USA  Manufacturing.	March 16, 2020
1650859	<b>Insituform Technologies, LLC</b> <b>Midwest Operations</b> 580 Goddard Avenue, Chesterfield, Missouri, 63005, USA  Preparation and Installation.	March 16, 2020
1650860	<b>Insituform Technologies, LLC</b> <b>Canada Operations</b> 5743 - 68 Avenue NW, Edmonton, Alberta, T6B 3P8, Canada  Preparation and Installation.	March 16, 2020
1650864	<b>Insituform Technologies, LLC</b> <b>Atlantic Operations</b> 253 B Worcester Road, Charlton, Massachusetts, 01507, USA  Preparation and Installation.	March 16, 2020

These registrations are dependent on Insituform Technologies, LLC  
Headquarters (File No. 1650845) maintaining their scope of registration to  
ISO 9001:2015



# ATTACHMENT TO CERTIFICATE OF REGISTRATION

These sites are registered under Certificate No: CERT-0133635 issued on July 6, 2021

1650866	<b>Insituform Technologies, LLC</b> <b>Southeast Operations</b> 6966 Business Park Blvd. North, Jacksonville, Florida, 32256, USA  Preparation and Installation.	March 16, 2020
1650874	<b>Insituform Technologies, LLC</b> <b>Gulf South/Southwest Operations</b> 13502 Almeda School Road, Houston, Texas, 77047, USA  Preparation and Installation.	March 16, 2020
1699161	<b>Insituform Technologies LLC</b> <b>Wetout</b> 7940 Boulevard Industriel, Chambly, Québec, J3L 4X3, Canada  Manufacturing.	March 16, 2020

These registrations are dependent on Insituform Technologies, LLC  
Headquarters (File No. 1650845) maintaining their scope of registration to  
ISO 9001:2015





**Insituform Technologies, LLC**  
17999 Edison Avenue  
Chesterfield, MO 63005  
Tel: 636.530.8000  
Fax: 636.530.8744  
www.insituform.com

## CERTIFICATE OF COMPLIANCE

February 1, 2022

To Whom It May Concern:

This letter certifies that INSITUFORM tubes are manufactured in Batesville, Mississippi, USA, by Insituform Technologies, LLC and meet all relevant specifications for a cured-in-place pipe product: ASTM D 5813, ASTM F 1216, and ASTM F 1743. Insituform tubes have been manufactured in the USA since 1981.

The finished tube is manufactured using multiple layers of polyester felt, with one layer coated with either a Polypropylene or Polyurethane thermoplastic. The layers are cut/slit to the desired width and sewn concentrically to form the final tube. The coated layer is also sealed at the seam, using an extrusion or taping process. The extrusion process is used on the standard (inverted) tubes. The standard (inverted) tubes are manufactured with the coated layer on the outside.

Felt production is achieved by a non-woven needle punch process using Polyester fiber. The finished product is tested for thickness under a specified load and for tensile strength in accordance with ASTM D 5813. The fabric tube has a minimum tensile strength of 750 psi (5 MPa) in both the longitudinal and the transverse direction. The seam strength of the tube is also tested on a regular basis and meets or exceeds the minimum tensile strength of 750 psi (5 MPa) in both longitudinal and transverse direction. For Quality Assurance purposes, the material is also tested for weight and thickness.

All standard (inverted) tubes are run through a dye bath prior to shipment to ensure there are no leaks. Following the inspection process all tubes (except InsituMain, which are used in water lines) are printed with yard marks.

All tubes with tapers, transitions, or any change in tube diameter or thickness are produced under the same specifications, with the same materials, and meet the same material testing requirements as the standard tube.

The quality system used by Insituform Technologies, LLC is ISO 9001:2015 certified.

The end use of the Insituform tube is to rehabilitate pipes to extend the life of the existing pipe and/or prevent a replacement of the existing pipe.

Please contact us directly with any questions you may have.  
Sincerely,

INSITUFORM TECHNOLOGIES, LLC

Digitally signed by Abu Abraham  
Date: 2022-02-01 14:18-06:00

Abu Abraham  
Director, Engineering





**Insituform Technologies, LLC**  
17999 Edison Avenue  
Chesterfield, MO 63005  
Tel: 636.530.8000  
Fax: 636.530.8744  
[www.insituform.com](http://www.insituform.com)

## INSTALLER CERTIFICATE

February 1, 2022

To Whom It May Concern:

Please be advised that Insituform Technologies, LLC is a vertically integrated pipeline rehabilitation company. As such, Insituform is not only the manufacturer of the cured-in-place pipeline rehabilitation system of the same name, but also offers the benefits of a comprehensive engineering department, with engineers on staff for design of CIPP products to suit each specific situation. Regional contracting offices perform and support all field services including installation.

This letter shall serve to certify that Insituform Technologies USA, LLC is authorized to install Insituform products supplied by Insituform Technologies, LLC.

Sincerely,

INSITUFORM TECHNOLOGIES, LLC

Digitally signed by Abu Abraham  
Date: 2022-02-01 14:20-06:00

---

Abu Abraham  
Director, Engineering



Proprietary Property and Trade Secret of Asgion, Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Active Projects ( 2013 - Present ) - Parameter Summary

Month Ending Date	10-11-2022
Reporting Entity	
Region	
Owner State	
JDE Company Code	00130
Project Material Family	SIT;COM;ACE;AIS;STD;ILS
Project Number	
Role	
Product	In development
Project Manager	
Value	
Start	End
Bid Date	
Diameter	
Customer Address Book Number	
Owner Address Book Number	
Revenue Stream Code	
Revenue Recognition First date of the year	

Proprietary Property and Trade Secret of Algopac Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Active Projects ( 2013 - Present ) - Summary

	AIS	COM	STD	Total	SR's (laps)
6			490	490	0
8	43,108		20,053	63,161	
10	27,746		23,864	51,610	
12	44,820		56,902	101,722	
14			20	20	
15	10,067		11,679	21,746	
16			810	810	
18	4,802		15,911	20,713	
19			2,350	2,350	
20	380		2,192	2,572	
21	3,691		3,780	7,471	
24	3,140		8,446	11,586	
27	108		875	983	
30			2,860	2,860	
33	390		448	838	
36	927		1,877	2,804	
42			807	807	
48			1,286	1,286	
54			1,639	1,639	
60	430		2,392	2,822	
61			1,575	1,575	
63		251		251	
64			4,019	4,019	
Total	139,609	251	164,275	304,135	

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Proprietors Property and Trade Secret of Insituform, Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited.

## Contract Qualification Active Projects ( 2013 - Present ) - Detail

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130567	Prime	JACKSON MI,EXT.1 of 2016 PROJ.   EXT. 1 OF 2016 SEWER REHAB CON	JA	?% \$374,538.56

Project Manager	Bid Date
Ginderske,Duane A	05-25-2018
Customer	Owner
City of Jackson, MI 521 Water St Jackson Jackson MI 49203-1961 +1 517 7884160	City of Jackson, MI 521 Water St Jackson Jackson MI 49203-1961 +1 517 7884160

	AIS	STD	Total	SR's
8		292	292	0
10		2,640	2,640	
12		1,544	1,544	
15		823	823	
18		879	879	
20	380	1,084	1,464	
24		1,328	1,328	
30		358	358	
33		448	448	
Total	380	9,396	9,776	

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130589	Prime	LANSING MI,LINDBERG INTERC.PH2   REHLON CENTRAL&SYCAMORE	JA	10% \$9,103,968.10 PO#P086227

Project Manager	Bid Date
Ginderske,Duane A	04-09-2019
Customer	Owner
City of Lansing, MI 123 W Ottawa St 123 W Ottawa Street Ingham Lansing MI 48901-3007 +1 517 3187003	City of Lansing, MI 123 W Ottawa St 123 W Ottawa Street Ingham Lansing MI 48901-3007 +1 517 3187003

	COM	STD	Total	SR's
30		1,100	1,100	0
36		980	980	
48		1,286	1,286	
54		1,639	1,639	
60		2,392	2,392	
61		1,575	1,575	
63	251		251	
64		4,019	4,019	
Total	251	12,991	13,242	

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130595	Sub	WASTE MANAGEMENT PINE TREE ACR   24" SANITARY SEWER REHAB.	JA	0% \$125,109.80

Project Manager	Bid Date
Ginderske,Duane A	08-06-2019

	STD	Total	SR's
24	767	767	0





STD	Total
767	767

Customer	Owner
Waste Management - Lenox, MI 36600 29 Mile Road Macomb Lenox MI 48048 +1 248 6622032	Macomb County, MI-Clinton Township, MI 21777 Dunham Road Macomb Clinton Township MI 48036 +1 586 4695325

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130606	Prime	CROSWELL MI, CONTRACT 2   WW SYSTEM IMPR. PROJ. CONT# 2	JA	5% \$212,552.70 ENG#836710

	AIS	STD	Total	SR's
8	1,691	1,420	3,111	0
10	981		981	
12	538		538	
Total	3,210	1,420	4,630	

Project Manager	Bid Date	Owner
Brinkoetter, Matthew J	01-28-2020	City of Croswell, MI 100 N. Howard Oakland Croswell MI 48422 +1 810 6792459

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130608	Prime	FERNDALE MI, CONTRACT-2020   CIPP SEW. PIPE REH. CT CIPP-2020	JA	10% \$880,237.90

	AIS	STD	Total	SR's
10	20	678	698	0
12	6,720	16,826	23,546	
15	2,136	2,783	4,919	
18		908	908	
21		180	180	
24		392	392	
Total	8,876	21,767	30,643	

Project Manager	Bid Date	Owner
Brinkoetter, Matthew J	02-13-2020	City of Ferndale, MI 300 E Nine Mile Road Oakland Ferndale MI 48220-1797 +1 248 5462360

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130616	Prime	EAST LANSING, MI FY2020   INTERCEPTOR SEWER REHAB	JA	10% \$555,722.50

	AIS	STD	Total	SR's
8	324	1,115	1,439	0
10		500	500	

Project Manager	Bid Date	Owner
Brinkoetter, Matthew J	05-01-2020	





Customer	Owner
City of East Lansing, MI	City of East Lansing, MI
410 Abbott Rd	410 Abbott Rd
410 Abbott Road	410 Abbott Road
Ingham	Ingham
East Lansing MI 48823-3321	East Lansing MI 48823-3321
+1 517 3371731	+1 517 3371731

	AIS	STD	Total
16	260	260	260
18	1,753	2,048	3,801
21	1,803	1,803	1,803
24	1,285		1,285
36	93	93	93
<b>Total</b>	<b>3,362</b>	<b>5,819</b>	<b>9,181</b>

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130630	Prime	MONROE MI, 2020 PHASE ONE   CORRECTIVE ACT.P,PH1,SS LINING	JA	10% \$420,691.70+CO

Project Manager	Bid Date
Brinkoetter, Matthew J	11-09-2020

	AIS	STD	Total	SR's
8	7,746		7,746	0
10	2,821	1,068	3,889	
12	705	3,189	3,894	
15	1,623		1,623	
33	390		390	
<b>Total</b>	<b>13,285</b>	<b>4,257</b>	<b>17,542</b>	

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130635	Prime	CLINTON CHARTER TOWNSHIP MI   2021 SANITSEW.REH. CIPP LINING	JA	10% \$1,314,848.50

Project Manager	Bid Date
Brinkoetter, Matthew J	02-02-2021

	AIS	STD	Total	SR's
8	538	2,653	3,191	0
10		10,110	10,110	
12	102	12,844	12,946	
15		3,796	3,796	
18		2,396	2,396	
<b>Total</b>	<b>640</b>	<b>31,799</b>	<b>32,439</b>	

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130639	Prime	BURTON MI;SRF PROJ.#5715-01   SRF WW IMPROV.,SEG.,P#5715-01	JA	0% \$1,748,202.30

Project Manager	Bid Date
Brinkoetter, Matthew J	02-11-2021

	STD	Total	SR's
8	12,568	12,568	0



Customer	Owner	STD	Total
City of Burton, MI 4093 Manor Drive Genesee Burton MI 48519-1463 +1 810 7429230	City of Burton, MI 4093 Manor Drive Genesee Burton MI 48519-1463 +1 810 7429230	6,739 6,391 398 26,096	6,739 6,391 398 26,096

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130648	Prime	MANISTIQUE MI, WEST SIDE PROJ.   WEST SIDE SEW. INTER. ENG#200395	JA	5% \$647,389.00

Project Manager	Bid Date	STD	Total	SR's
Brinkoetter, Matthew J	05-06-2021	1,912 19 807 2,738	1,912 19 807 2,738	0

Customer	Owner
City of Manistique, MI 300 North Maple St Schoolcraft Manistique MI 49854-0515 +1 906 3415564	City of Manistique, MI 300 North Maple St Schoolcraft Manistique MI 49854-0515 +1 906 3415564

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130651	Prime	NORTON SHORES MI, CT1, FY21&FY22   CONTRACT1, 2021 PROJ.FY21&FY22	JA	?% \$617,014.70

Project Manager	Bid Date	STD	Total	SR's
Brinkoetter, Matthew J	06-04-2021	926 348 1,390 230 849 3,743	926 348 1,390 230 849 3,743	0

Customer	Owner
City of Norton Shores, MI 4814 Henry St 4814 Henry Street Muskegon Muskegon MI 49441-5499 +1 231 7984391	City of Norton Shores, MI 4814 Henry St 4814 Henry Street Muskegon Muskegon MI 49441-5499 +1 231 7984391

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130652	Prime	PLYMOUTH MI, 2021 PROJ #PL20009   2021 SANIT. SEW. REH.#PL20009	JA	?% \$222,026.20

Project Manager	Bid Date	STD	Total	SR's
Brinkoetter, Matthew J	07-20-2021	775 315	775 315	0

Customer	Owner
City of Norton Shores, MI 4814 Henry St 4814 Henry Street Muskegon Muskegon MI 49441-5499 +1 231 7984391	City of Norton Shores, MI 4814 Henry St 4814 Henry Street Muskegon Muskegon MI 49441-5499 +1 231 7984391



Customer	Owner	STD	Total
Township of Plymouth, MI 9955 N Haggerty Road Wayne Plymouth MI 48170	Township of Plymouth, MI 9955 N Haggerty Road Wayne Plymouth MI 48170	307	307
+1 734 4533840	+1 734 4533840	558	558
		354	354
<b>Total</b>		<b>2,309</b>	<b>2,309</b>

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130654	Prime	GROSSE POINTE WOODS, MI - 2021   SWR REHAB FULL LENGTH CIPP	JA	10% \$209,423.50

Project Manager	Bid Date	STD	Total	SR's
Brinkoetter, Matthew J	06-29-2021	830	830	0
		495	495	
		1,349	1,349	
		611	611	
		312	312	
<b>Total</b>		<b>3,597</b>	<b>3,597</b>	

Customer	Owner
City of Grosse Pointe Woods, MI 20025 Mack Plaza Drive Wayne Grosse Pointe Woods MI 48236-2397	City of Grosse Pointe Woods, MI 20025 Mack Plaza Drive Wayne Grosse Pointe Woods MI 48236-2397
+1 313 3432440	+1 313 3432440

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130657	Prime	TRENTON, MI -2021 SS TV & CIPP   CONTRACT #2020-04 LINING PRJT	JA	10% \$2,478,802.50

Project Manager	Bid Date	AIS	STD	Total	SR's
Brinkoetter, Matthew J	08-31-2021	26,357	3,769	30,126	0
		934		934	
		693		693	
		108	645	753	
<b>Total</b>		<b>28,092</b>	<b>4,414</b>	<b>32,506</b>	

Customer	Owner
City of Trenton, MI 2800 3rd Street Wayne Trenton MI 48183-2918	City of Trenton, MI 2800 3rd Street Wayne Trenton MI 48183-2918
+1 734 6758251	+1 734 6758251

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130659	Sub	HOFFMAN BROS., INGHAM CO MI   21-64 DANIELS DRAIN-ICDC	JA	10% \$53,311.90 LANSING CO, MI

Project Manager	Bid Date	STD	Total	SR's
Brinkoetter, Matthew J	07-08-2021	282	282	0
		282	282	
<b>Total</b>		<b>282</b>	<b>282</b>	

Customer	Owner





Customer	Owner
Hoffman Brothers Inc-Battle Creek, MI 8574 Verona Road Calioun Battle Creek MI 49014 +1 269 9651207	Ingham County Drain Commission- Mason, MI 707 Buhl St, Ingham Mason MI 48854 +1 517 6768395

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130660	Prime	MOUNT CLEMENS MI,2022 PROJECT   2022 SEWER LINING, BID#092101	JA	10% \$142,363.20

	STD	Total	SR's
12	1,029	1,029	0
24	560	560	
Total	1,589	1,589	

Project Manager	Bid Date
Brinkoetter, Matthew J	09-07-2021
Customer	Owner
City of Mount Clemens, MI 1 Crocker Boulevard Macomb Mount Clemens MI 48043-2537 +1 810 4696803	City of Mount Clemens, MI 1 Crocker Boulevard Macomb Mount Clemens MI 48043-2537 +1 810 4696803

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130661	Prime	MACOMB TOWNSHIP, MI -2021 REHAB   2021 SS REHAB #0249-0216	JA	10% \$804,474.50

	AIS	STD	Total	SR's
10	1,460		1,460	0
12	282		282	
18	255		255	
21	3,691		3,691	
24	391	2,848	3,239	
36	653		653	
Total	6,732	2,848	9,580	

Project Manager	Bid Date
Brinkoetter, Matthew J	09-09-2021
Customer	Owner
Macomb Township, MI 54111 Broughton Road Macomb Macomb MI 48042 +1 586 9920710	Macomb Township, MI 54111 Broughton Road Macomb Macomb MI 48042 +1 586 9920710

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130663	Sub	BLD SERVICES, MONROE MI   CORRECTIVE ACTION PLAN PH II	JA	10% \$83,719.60

	AIS	Total	SR's
15	1,206	1,206	0
Total	1,206	1,206	

Project Manager	Bid Date
Brinkoetter, Matthew J	11-17-2021
Customer	Owner



Customer	Owner
BLD Services, LLC-Kenmar,LA	City of Monroe, MI
2424 Tyler St. Jefferson Kenner LA 70062	120 E 1st Street Monroe Monroe MI 48161-2115
+1 504 6021072	+1 734 2415926

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130666	Sub	PIPELINE MANAGEMENT,OAKLAND CO   NOVI TRUNK SEWER REHAB	JA	10% \$199,975.50

Project Manager	Bid Date	STD	Total	SR's
Brinkoetter, Matthew J	11-16-2021	19	2,350	0
Total		19	2,350	0

Customer	Owner
Pipeline Management Co.-Milliford,MI	Oakland County,MI--Waterford, MI- Water Resource Commissioner
2673 E. Maple Rd Oakland Milliford MI 48381	One Public Works Drive, Building 95 West Oakland Waterford MI 48328
+1 248 6851500	+1 248 8580958

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130667	Prime	OAK PARK MI,2022 M-730   2022 SEWER LINING, PROJ. M-730	JA	10% \$365,768.70

Project Manager	Bid Date	AIS	STD	Total	SR's
Brinkoetter, Matthew J	02-01-2022	8	326	326	0
Total		10	119	394	513
Total		12	129	2,200	2,329
Total		15	992	992	992
Total		18	1,240	1,240	1,240
Total		574	4,826	5,400	5,400

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130668	Sub	HOFFMAN BROS.,P#2210019LANSING   SRF#5005-24,CSO SUB AREA 034D	JA	10% \$352,412.70 LANSING MI

Project Manager	Bid Date	AIS	Total	SR's
Brinkoetter, Matthew J	01-18-2022	10	1,695	0
Total		12	1,396	1,396
Total		15	317	317





<b>Customer</b>	<b>Owner</b>	<b>AIS</b>	<b>Total</b>
Hoffman Brothers Inc-Battle Creek, MI	City of Lansing, MI	18	747
	123 W Ottawa St	36	274
	123 W Ottawa Street		274
	Ingham		4,429
	Lansing MI 48901-3007		4,429
	+1 517 3187003		
8574 Verona Road			
Calihoun			
Battle Creek MI 49014			
+1 269 9651207			

<b>Project JDE Job Number</b>	<b>Role</b>	<b>Project Description</b>	<b>Project Status</b>	<b>Original Contract Amount</b>
130670	Prime	EASTPOINTE MI, 2022 SS REHAB   2022 SEWER REHAB,AEW#0145-0653	JA	10% \$626,008.80

<b>Project Manager</b>	<b>Bid Date</b>	<b>STD</b>	<b>Total</b>	<b>SR's</b>
Brinkoetter, Matthew J	01-25-2022	12	3,866	0
		15	1,314	
		18	2,084	
		21	873	
		24	491	
		<b>Total</b>	<b>8,628</b>	<b>8,628</b>

<b>Customer</b>	<b>Owner</b>
City of Eastpointe, MI	City of Eastpointe, MI
17800 E 10 Mile Rd	17800 E 10 Mile Rd
17800 E 10 Mile Road	17800 E 10 Mile Road
Macomb	Macomb
Eastpointe MI 48021-1285	Eastpointe MI 48021-1285
+1 810 4455040	+1 810 4455040

<b>Project JDE Job Number</b>	<b>Role</b>	<b>Project Description</b>	<b>Project Status</b>	<b>Original Contract Amount</b>
130671	Sub	NORTHERN CONST.SERV.,ST.JOSEPH   CT2 DONNA DR. REC.DWR#7487-01	JA	0%\$53,635.10 ST. JOSEPH MI

<b>Project Manager</b>	<b>Bid Date</b>	<b>STD</b>	<b>Total</b>	<b>SR's</b>
Brinkoetter, Matthew J	01-18-2022	10	310	0
			310	
		<b>Total</b>	<b>310</b>	<b>310</b>

<b>Customer</b>	<b>Owner</b>
Northern Construction-Niles,MI	City of Saint Joseph, MI
2580 Detroit Road	700 Broad St
Berrien	Berrien
Niles MI 49120	Saint Joseph MI 49085-1276
+1 269 6844438	+1 616 9835541

<b>Project JDE Job Number</b>	<b>Role</b>	<b>Project Description</b>	<b>Project Status</b>	<b>Original Contract Amount</b>
130672	Sub	LEAVITT&STARCK EXCAT.,LANSING   SIPHON*12 NGRAND RIVER INTERCEP	JA	0% \$532,719.30 SRF PJ#5005-24

<b>Project Manager</b>	<b>Bid Date</b>	<b>STD</b>	<b>Total</b>	<b>SR's</b>
Brinkoetter, Matthew J	01-12-2022	10	20	0
		12	550	
		<b>Total</b>	<b>570</b>	<b>550</b>



**Insituform**  
An Algoma Company

9/14  
Last Refresh Date: 10-11-2022

Customer	Owner
Leavitt & Starck Excavating, Inc.- Lansing, MI	City of Lansing, MI 123 W Ottawa St 123 W Ottawa Street Ingham
16220 National Parkway Ingham Lansing MI 48906 +1 517 3237630	Lansing MI 48901-3007 +1 517 3187003

	STD	Total
	14	20
	16	550
	18	20
	20	550
	24	187
	36	804
<b>Total</b>	<b>2,701</b>	<b>2,701</b>

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130675	Sub	PIPELINE MANAGEMENT, CLARKSTON   INDEPENDENCE TS CIPP LINING	JA	10% \$159,107.00

Project Manager	Bid Date
Brinkoetter, Matthew J	03-04-2022

Customer	Owner
Pipeline Management Co.-Millford, MI 2673 E. Maple Rd Oakland Millford MI 48381 +1 248 6851500	Independence Township-Clarkston, MI 6483 Waldon Center Dr. Oakland Clarkston MI 48346 +1 248 6255111

	AIS	Total	SR's
	8	3,943	0
<b>Total</b>	<b>3,943</b>	<b>3,943</b>	<b>0</b>

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130676	Prime	STURGIS, MI 2022 CIPP LINING   2022 CIPP LINING PROJECT	JA	10% \$304,284.30

Project Manager	Bid Date
Brinkoetter, Matthew J	02-28-2022

Customer	Owner
City of Sturgis, MI 805 N Centerville Rd Saint Joseph Sturgis MI 49091-9364 +1 555 6512879	City of Sturgis, MI 805 N Centerville Rd Saint Joseph Sturgis MI 49091-9364 +1 555 6512879

	AIS	Total	SR's
	8	3,486	0
	10	327	0
	18	733	0
	24	355	0
<b>Total</b>	<b>4,901</b>	<b>4,901</b>	<b>0</b>

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130677	Prime	BURTON, MI SRF PROJ #5738-01   SRF WW IMPROV., SEGMENT 2SRF	JA	10% \$2,348,385.50

	AIS	Total	SR's



Project Manager		Bid Date	
Brinkoetter, Matthew J		02-14-2022	
Customer		Owner	
City of Burton, MI		City of Burton, MI	
4093 Manor Drive		4093 Manor Drive	
Genesee		Genesee	
Burton MI 48519-1463		Burton MI 48519-1463	
+1 810 7429230		+1 810 7429230	

	AIS	Total	SR's
8	21,207	21,207	0
10	3,957	3,957	
12	2,715	2,715	
15	841	841	
Total	28,720	28,720	

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130678	Sub	LAWRENCE M. CLARKE, CLINTON TWNS   6" FORCE MAIN PRIMUS LINE REHAB	JA	0% \$134,960.10, CLINTON TOWNSHIP

Project Manager		Bid Date	
Brinkoetter, Matthew J		03-09-2022	
Customer		Owner	
Lawrence Clarke Construction- Belville, MI		Township of Clinton, MI	
50850 Bemis Road		40700 Romeo Plank Road	
Wayne		Macomb	
Belville MI 48111		Clinton Township MI 48038	
+1 734 4811565		+1 586 2869422	

	STD	Total	SR's
6	490	490	0
Total	490	490	

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130680	Sub	PIPELINE MANAGEMENT, OAKLAND CO   LATERAL REINSTATE-WALLED LAKE	JA	0% \$2,750.00

Project Manager		Bid Date	
Brinkoetter, Matthew J		05-09-2022	
Customer		Owner	
Pipeline Management Co.-Millford, MI		City of Walled Lake, MI	
2673 E. Maple Rd		1499 E West Maple Rd	
Oakland		Oakland	
Millford MI 48381		Walled Lake MI 48390-0099	
+1 248 6851500		+1 248 6244847	

	AIS	Total	SR's
8	50	50	0
Total	50	50	

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130681	Prime	WESTERN MICHIGAN UNIVERSITY   8" CIPP,- R1 -PO#P220041	JA	0% \$22,728370 KALAMAZOO MI

	STD	Total	SR's





	STD	Total	SR's
8	179	179	0
<b>Total</b>	<b>179</b>	<b>179</b>	<b>0</b>

Project Manager	Bid Date	Owner
Brinkoetter, Matthew J	04-22-2022	Western Michigan University- Kalamazoo,MI
		1903 W Michigan Ave Kalamazoo Kalamazoo MI 49004
		+1

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130682	Sub	PIPELINE MANAGEMENT,INKSTER MI   AVONDALE RD. RECONSTRUCTION	JA	0% \$38,230.70

	AIS	Total	SR's
12	754	754	0
<b>Total</b>	<b>754</b>	<b>754</b>	<b>0</b>

Project Manager	Bid Date	Owner
Brinkoetter, Matthew J	01-18-2022	City of Inkster, MI 26900 Princeton Wayne Inkster MI 48141-1865
		+1 313 5633211

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130684	Sub	PIPELINE MANAGEMENT,BLOOMFIELD   24" CULVER LINING CIPP	JA	0% \$23,466.40

	AIS	Total	SR's
18	64	64	0
<b>Total</b>	<b>64</b>	<b>64</b>	<b>0</b>

Project Manager	Bid Date	Owner
Brinkoetter, Matthew J	07-07-2022	City of Bloomfield Hills, MI 45 E Long Lake Rd Oakland Bloomfield Hills MI 48303-0288
		+1 248 6441520

Project JDE Job Number	Role	Project Description	Project Status	Original Contract Amount
130685	Prime	GROSSE POINTE WOODS, MI - 2022   SWR REHAB FULL LENGTH CIPP	JA	10% \$225,999.40

	AIS	Total	SR's

Project Manager	Bid Date



<b>Project Manager</b>	<b>Bid Date</b>
Brinkoetter, Matthew J	06-07-2022
<b>Customer</b>	<b>Owner</b>
City of Grosse Pointe Woods, MI 20025 Mack Plaza Drive Wayne Grosse Pointe Woods MI 48236-2397 +1 313 3432440	City of Grosse Pointe Woods, MI 20025 Mack Plaza Drive Wayne Grosse Pointe Woods MI 48236-2397 +1 313 3432440

	AIS	Total	SR's
10	750	750	0
12	2,363	2,363	
15	644	644	
<b>Total</b>	<b>3,757</b>	<b>3,757</b>	

<b>Project JDE Job Number</b>	<b>Role</b>	<b>Project Description</b>	<b>Project Status</b>	<b>Original Contract Amount</b>
130686	Prime	BRIDGEPORT CHARTER TOWNSP MI 22   2022 SANITARY SEWER REHAB	JA	5% \$373,434.10

<b>Project Manager</b>	<b>Bid Date</b>
Brinkoetter, Matthew J	07-15-2022
<b>Customer</b>	<b>Owner</b>
Township of Bridgeport, MI 6206 Dixie Highway Saginaw Bridgeport MI 48722 +1 989 7770940	Township of Bridgeport, MI 6206 Dixie Highway Saginaw Bridgeport MI 48722 +1 989 7770940

	AIS	STD	Total	SR's
8	2,364		2,364	0
10		323	323	
15	2,366		2,366	
18	384		384	
<b>Total</b>	<b>5,114</b>	<b>323</b>	<b>5,437</b>	

<b>Project JDE Job Number</b>	<b>Role</b>	<b>Project Description</b>	<b>Project Status</b>	<b>Original Contract Amount</b>
130687	Sub	D'ANGELO BROTHERS,BRADFORD ST.   BRADFORD ST 60" EMERGENCY CIPP	JA	0% \$248,358.00

<b>Project Manager</b>	<b>Bid Date</b>
Brinkoetter, Matthew J	07-25-2022
<b>Customer</b>	<b>Owner</b>
D'Angelo Brothers-MI 30750 W. 8 Mile Road Farmington Hills MI 48336 +1 248 4766107	Oakland County,MI--Waterford, MI- Water Resource Commissioner One Public Works Drive, Building 95 West Oakland Waterford MI 48328 +1 248 8580958

	AIS	Total	SR's
60	430	430	0
<b>Total</b>	<b>430</b>	<b>430</b>	

<b>Project JDE Job Number</b>	<b>Role</b>	<b>Project Description</b>	<b>Project Status</b>	<b>Original Contract Amount</b>
130688	Prime	GALIEN MI,SANIT. SEWER LINING   SANITARY SEWER LINING PROJECT	JA	10% \$78,963.00

<b>Project Manager</b>	<b>Bid Date</b>

	AIS	Total	SR's





<b>Project Manager</b>	<b>Bid Date</b>
Brinkoetter, Matthew J	08-02-2022
<b>Customer</b>	<b>Owner</b>
Village of Gallien, MI 121 Cleveland Ave Berrien Gallen MI 49117 +1 269 5453647	Village of Gallien, MI 121 Cleveland Ave Berrien Gallen MI 49117 +1 269 5453647

	<b>AIS</b>	<b>Total</b>	<b>SR's</b>
8	613	613	0
10	884	884	
<b>Total</b>	<b>1,497</b>	<b>1,497</b>	

<b>Project JDE Job Number</b>	<b>Role</b>	<b>Project Description</b>	<b>Project Status</b>	<b>Original Contract Amount</b>
130690	Prime	HARPER WOODS MI,2022 PROJECT   2022 SEWER REH.CIPP.#0180-0284	JA	10% \$138,693.70

<b>Project Manager</b>	<b>Bid Date</b>
Brinkoetter, Matthew J	06-17-2022
<b>Customer</b>	<b>Owner</b>
City of Harper Woods, MI 19617 Harper Ave Wayne Harper Woods MI 48225-2095 +1 313 3432500	City of Harper Woods, MI 19617 Harper Ave Wayne Harper Woods MI 48225-2095 +1 313 3432500

	<b>AIS</b>	<b>Total</b>	<b>SR's</b>
10	1,617	1,617	0
12	889	889	
<b>Total</b>	<b>2,506</b>	<b>2,506</b>	

<b>Project JDE Job Number</b>	<b>Role</b>	<b>Project Description</b>	<b>Project Status</b>	<b>Original Contract Amount</b>
130692	Sub	PIPELINE MANAGEMENT,FARMINGTON   CIPP LINING PROPOSAL -2022	JA	0% \$120,440.20

<b>Project Manager</b>	<b>Bid Date</b>
Brinkoetter, Matthew J	02-16-2022
<b>Customer</b>	<b>Owner</b>
Pipeline Management Co.-Millford,MI 2673 E. Maple Rd Oakland Millford MI 48381 +1 248 6851500	City of Farmington, MI 23600 Liberty Street Oakland Farmington MI 48332 +1 248 4745500

	<b>AIS</b>	<b>STD</b>	<b>Total</b>	<b>SR's</b>
8	404		404	0
12		2,039	2,039	
<b>Total</b>	<b>404</b>	<b>2,039</b>	<b>2,443</b>	

<b>Project JDE Job Number</b>	<b>Role</b>	<b>Project Description</b>	<b>Project Status</b>	<b>Original Contract Amount</b>
130694	Sub	PIPELINE MGMT- ROYAL OAK, MI   CWSRF #5757-01 HRC#20210192	JA	0% \$218,040.90

<b>Project Manager</b>	<b>Bid Date</b>		
	<b>STD</b>	<b>Total</b>	<b>SR's</b>



<b>Project Manager</b>	<b>Bid Date</b>
Brinkoetter, Matthew J	06-01-2022
<b>Customer</b>	<b>Owner</b>
Pipeline Management Co.-Millford,MI 2673 E. Maple Rd Oakland Millford MI 48381 +1 248 6851500	Charter Township of Royal Oak- Ferndale, MI 21131 Garden Ln 2nd Floor Oakland Ferndale MI 48220 +1 248 5479805

	STD	Total	SR's
8	221	221	0
10	1,046	1,046	
12	919	919	
15	224	224	
21	612	612	
30	153	153	
<b>Total</b>	<b>3,175</b>	<b>3,175</b>	

<b>Project JDE Job Number</b>	<b>Role</b>	<b>Project Description</b>	<b>Project Status</b>	<b>Original Contract Amount</b>
130695	Sub	PIPELINE MGMT.-BENTON HARBOR   RIVERVIEW 30-INCH CIPP	JA	0% \$78,691.90

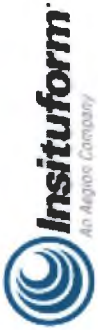
<b>Project Manager</b>	<b>Bid Date</b>
Brinkoetter, Matthew J	08-19-2022
<b>Customer</b>	<b>Owner</b>
Pipeline Management Co.-Millford,MI 2673 E. Maple Rd Oakland Millford MI 48381 +1 248 6851500	City of Benton Harbor, MI 200 E Wall Street Berrien Benton Harbor MI 49022 +1 616 9278404

	STD	Total	SR's
30	400	400	0
<b>Total</b>	<b>400</b>	<b>400</b>	

<b>Project JDE Job Number</b>	<b>Role</b>	<b>Project Description</b>	<b>Project Status</b>	<b>Original Contract Amount</b>
130696	Sub	PIPELINE MANAGEM,AUBURN HILLS   2022 AUBURN HILLS SEW L INING	JA	0% \$609,712.00 AUBURN HILLS MI

<b>Project Manager</b>	<b>Bid Date</b>
Brinkoetter, Matthew J	08-16-2022
<b>Customer</b>	<b>Owner</b>
Pipeline Management Co.-Millford,MI 2673 E. Maple Rd Oakland Millford MI 48381 +1 248 6851500	City of Auburn Hills, MI 1500 Brown Road Oakland Auburn Hills MI 48326-1510 +1 248 3917391

	AIS	Total	SR's
10	12,305	12,305	0
18	866	866	
<b>Total</b>	<b>13,171</b>	<b>13,171</b>	



Proprietary Property and Trade Secret of Angion Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Active Projects ( 2013 - Present ) - Detail Contract Value

Project JDE Job Number	Original Contract Amount	Original Contract Amount from Details Tab
130567	\$374,538.56	2% \$374,538.56
130589	\$9,103,968.10	10% \$9,103,968.10 PO#P086227
130595	\$125,109.80	0% \$125,109.80
130606	\$212,552.70	5% \$212,552.70 ENG#836710
130608	\$880,237.90	10% \$880,237.90
130616	\$355,722.50	10% \$355,722.50
130630	\$420,691.70	10% \$420,691.70+CO
130635	\$1,314,848.50	10% \$1,314,848.50
130639	\$1,748,202.30	0% \$1,748,202.30
130648	\$647,389.00	5% \$647,389.00
130651	\$617,014.70	2% \$617,014.70
130652	\$222,026.20	2% \$222,026.20
130654	\$209,423.50	10% \$209,423.50
130657	\$2,478,802.50	10% \$2,478,802.50
130659	\$33.31	10% \$33.311.90 LANSING CO. MI
130660	\$142,363.20	10% \$142,363.20
130661	\$804,474.50	10% \$804,474.50
130663	\$83,719.60	10% \$83,719.60
130666	\$199,975.50	10% \$199,975.50
130667	\$365,768.70	10% \$365,768.70
130668	\$352,412.70	10% \$352,412.70 LANSING MI
130670	\$626,008.80	10% \$626,008.80
130671	\$53,635.10	0% \$53,635.10 ST. JOSEPH MI
130672	\$532,719.30	0% \$532,719.30 SRF P.#5005-24
130675	\$159,107.00	10% \$159,107.00
130676	\$304,284.30	10% \$304,284.30
130677	\$2,348,385.50	10% \$2,348,385.50
130678	\$134,960.10	0% \$134,960.10,CLINTON TOWNSHP
130680	\$2,750.00	0% \$2,750.00
130681	\$0.00	0% \$22,728370 KALAMAZOO MI
130682	\$38,230.70	0% \$38,230.70



130684	\$23,466.40	0%	\$23,466.40
130685	\$225,999.40	10%	\$225,999.40
130686	\$373,434.10	5%	\$373,434.10
130687	\$248,358.00	0%	\$248,358.00
130688	\$78,963.00	10%	\$78,963.00
130690	\$138,693.70	10%	\$138,693.70
130692	\$120,440.20	0%	\$120,440.20
130694	\$218,040.90	0%	\$218,040.90
130695	\$78,691.90	0%	\$78,691.90
130696	\$609,712.00	0%	\$609,712.00 AUBURN HILLS MI
	\$26,975,155.87		



Proprietary Property and Trade Secret of Aegion, Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Closed Projects ( 2018 - Present ) - Parameter Summary

Company Code:	00130
Region:	
Owner State:	
Project Material Family:	ACE; AIS; COM; ILS; SIT; STD
Project Manager:	
Customer Address Book Number	
Owner Address Book Number	
Revenue Stream Code	
Project Number:	
Role:	
Value Range:	Start End
Project Value (\$)	250000
Bid Proposal Date:	
Project Closed Date:	12-31-2017
Diameter:	
Linear Feet	





Proprietary Property and Trade Secret of Arconic, Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Closed Projects ( 2018 - Present ) - Summary

	AIS	STD	Total	SR's (laps)
6	329	57	386	0
8	47,855	23,150	71,004	
9	297	0	297	
10	22,224	11,650	33,874	
12	18,930	11,886	30,815	
14	0	1,805	1,805	
15	9,704	14,146	23,850	
18	1,619	12,080	13,699	
20	0	248	248	
21	131	12,218	12,349	
24	11,182	10,280	21,462	
27	0	2,146	2,146	
30	1,874	7,450	9,324	
36	0	7,006	7,006	
42	0	202	202	
48	0	695	695	
54	0	8,834	8,834	
60	230	0	230	
102	0	297	297	
Total	114,374	124,149	238,523	

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Proprietary Property and Trade Secret of Allegion, Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Closed Projects ( 2018 - Present ) - Detail

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
13051601	Prime	WYOMING, MI PO#2018-00000174   CIPP LINING,PO#2018-00000174	JC	\$369,449	\$371,702

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	08-10-2017	06-13-2018
Customer	Owner	
City of Wyoming, MI 2660 Burlingame S.W. Kent Wyoming MI 49418-1197 +1 616 5307260	City of Wyoming, MI 2660 Burlingame S.W. Kent Wyoming MI 49418-1197 +1 616 5307260	

	AIS	STD	Total	SR's
8	8,631	0	8,631	0
12	0	1,881	1,881	
18	0	524	524	
Total	8,631	2,405	11,036	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130522	Prime	GRAND RAPIDS MI,2017,VARI. LOC   CIPP LINING STORM&SANIT,2017	JC	\$631,362	\$527,106

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	02-07-2017	01-29-2018
Customer	Owner	
City of Grand Rapids, MI 300 Monroe N W Kent Grand Rapids MI 49503-4046 +1 616 4563246	City of Grand Rapids, MI 300 Monroe N W Kent Grand Rapids MI 49503-4046 +1 616 4563246	

	AIS	Total	SR's
8	7,915	7,915	0
9	297	297	
10	3,297	3,297	
12	1,318	1,318	
15	1,460	1,460	
Total	14,287	14,287	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130538	Prime	ESCANABA MI, 2017 PROJECT   2017 SEWER CIPP LINING PROJECT	JC	\$718,630	\$719,375

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	07-06-2017	06-08-2018
Customer	Owner	
City of Escanaba, MI 410 Ludington St. Delta Escanaba MI 49829 +1 906 7869402	City of Escanaba, MI 410 Ludington St. Delta Escanaba MI 49829 +1 906 7869402	

	STD	Total	SR's
8	2,447	2,447	0
15	333	333	
24	1,847	1,847	
30	539	539	
36	1,551	1,551	
48	695	695	
<b>Total</b>	<b>7,412</b>	<b>7,412</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130544	Prime	EASTPOINTE MI, 2018 SS REHAB   2018 SANIT-SEWER REHAB	JC	\$582,411	\$665,925

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	03-13-2018	02-03-2020
Customer	Owner	
City of Eastpointe, MI 17800 E 10 Mile Rd 17800 E 10 Mile Road Macomb Eastpointe MI 48021-1285 +1 810 4455040	City of Eastpointe, MI 17800 E 10 Mile Rd 17800 E 10 Mile Road Macomb Eastpointe MI 48021-1285 +1 810 4455040	

	STD	Total	SR's
10	1,614	1,614	0
12	1,847	1,847	
15	1,890	1,890	
18	2,398	2,398	
21	2,750	2,750	
24	466	466	
<b>Total</b>	<b>10,965</b>	<b>10,965</b>	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130546	Sub	RIETH-RILEY CONST.,LIVINGSTON   120537 I-96 2018 LIVINGSTON CO	JC	\$295,709	\$384,421

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	03-02-2018	08-13-2018	12	266	0
			18	222	
			24	586	
			60	230	
			Total	1,304	1,304

Customer	Owner
Department of Transportation - State of Michigan-Lansing, MI	Department of Transportation - State of Michigan-Lansing, MI
425 W Ottawa Street	425 W Ottawa Street
PO Box 30050	PO Box 30050
Ingham	Ingham
Lansing MI 48909	Lansing MI 48909
+1 517 3732090	+1 517 3732090

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
13054601	Sub	RIETH-RILEY CONST.,INGHAM CO.   120537 I-96 2018 INGHAM COUNTY	JC	\$251,416	\$291,747

Project Manager	Bid Date	Project Close Date	AIS	Total	SR's
Ginderske, Duane A	04-20-2018	10-10-2018	10	90	0
			18	100	
			24	956	
			Total	1,146	1,146

Customer	Owner
Rieth Riley Construction-Indianapolis, IN	Department of Transportation - State of Michigan-Lansing, MI
1751 W. Minnesota Street	425 W Ottawa Street
Marion	PO Box 30050
Indianapolis IN 46221	Ingham
+1 317 6345561	Lansing MI 48909
	+1 517 3732090



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130549	Prime	WAYNE, MI - 2018 SLIP LINING   2018 SLIP LINING PROJECT	JC	\$264,141	\$365,113

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	03-14-2018	04-17-2019
Customer	Owner	
City of Wayne, MI 4001 South Wayne Road Wayne Wayne MI 48184 +1 734 7218600	City of Wayne, MI 4001 South Wayne Road Wayne Wayne MI 48184 +1 734 7218600	

	STD	Total	SIR's
6	57	57	0
8	6,759	6,759	
10	383	383	
12	2,227	2,227	
<b>Total</b>	<b>9,426</b>	<b>9,426</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130551	Sub	HOFFMAN BROS.,P#18-15,LANSING   18-15 LANSING CSO SUB AREA034C	JC	\$687,953	\$710,644

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	01-30-2018	05-13-2020
Customer	Owner	
City of Lansing, MI 123 W Ottawa St 123 W Ottawa Street Ingham Lansing MI 48901-3007 +1 517 3187003	City of Lansing, MI 123 W Ottawa St 123 W Ottawa Street Ingham Lansing MI 48901-3007 +1 517 3187003	

	AIS	STD	Total	SIR's
8	6,771	0	6,771	0
10	2,240	0	2,240	
12	2,180	0	2,180	
15	3,119	0	3,119	
20	0	248	248	
21	0	240	240	
24	0	286	286	
30	313	782	1,095	
<b>Total</b>	<b>14,623</b>	<b>1,556</b>	<b>16,179</b>	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130553	Prime	CARSON CITY MI,SANIT.REHAB   CARSON CITY SANIT SEWER REHAB	JC	\$370,489	\$372,591

	AIS	Total	SR's
6	329	329	0
8	327	327	
10	671	671	
12	1,427	1,427	
Total	2,754	2,754	

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	05-10-2018	09-28-2018
Customer	Owner	
City of Carson City, MI 123 E Main Street Montcalm Carson City MI 48811 +1 989 5843515	City of Carson City, MI 123 E Main Street Montcalm Carson City MI 48811 +1 989 5843515	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130554	Prime	GENESEE CO.DRAIN COMM.,DIV. A   2018 SANIT. SEWER MAIN-DIV. A	JC	\$1,259,815	\$1,274,209

	AIS	Total	SR's
24	9,640	9,640	0
30	1,561	1,561	
Total	11,201	11,201	

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	05-22-2018	09-17-2020
Customer	Owner	
Genesee County-Flint,MI-Drain Commissioner G4610 Beecher Road Genesee Flint MI 48532 +1 810 7327870	Genesee County-Flint,MI-Drain Commissioner G4610 Beecher Road Genesee Flint MI 48532 +1 810 7327870	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130555	Prime	ROYAL OAK MI,2018 CONT.#S1802   2018 SEWER LINING,CONTR#S1802	JC	\$631,260	\$919,353

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	06-06-2018	01-16-2021
Customer	Owner	
City of Royal Oak, MI 211 S Williams Street Oakland Royal Oak MI 48067-2619 +1 248 5461000	City of Royal Oak, MI 211 S Williams Street Oakland Royal Oak MI 48067-2619 +1 248 5461000	

	AIS	STD	Total	SR's
8	7,236	0	7,236	0
10	1,257	0	1,257	
12	7,296	0	7,296	
15	0	3,269	3,269	
18	0	1,365	1,365	
24	0	604	604	
<b>Total</b>	<b>15,789</b>	<b>5,238</b>	<b>21,027</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130574	Prime	GRAND HAVEN MI,2019 PROJECT   2019 SANIT,SEW,REH,ENG#18-1330	JC	\$531,580	\$534,745

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	03-13-2019	06-01-2020
Customer	Owner	
City of Grand Haven, MI 519 Washington Avenue Ottawa Grand Haven MI 49417-1454 +1 616 8473493	City of Grand Haven, MI 519 Washington Avenue Ottawa Grand Haven MI 49417-1454 +1 616 8473493	

	AIS	STD	Total	SR's
8	3,266	2,833	6,098	0
10	659	1,316	1,975	
12	0	1,886	1,886	
15	0	1,021	1,021	
24	0	752	752	
<b>Total</b>	<b>3,925</b>	<b>7,807</b>	<b>11,732</b>	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130575	Prime	NEW LOTHROP MI;ENG125861SG2018   SANITARY SEWER REHAB	JC	\$461,181	\$440,716

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	04-04-2019	11-09-2020
Customer	Owner	
Village of New Lothrop, MI	Village of New Lothrop, MI	
9435 Beech St	9435 Beech St	
Shiawassee	Shiawassee	
New Lothrop MI 48460	New Lothrop MI 48460	
+1 810 5555555	+1 810 5555555	

	STD	Total	SR's
10	300	300	0
15	413	413	
18	1,510	1,510	
21	1,214	1,214	
24	85	85	
<b>Total</b>	<b>3,522</b>	<b>3,522</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130579	Prime	MACOMB TOWNSHIP,MI -2019 REHAB   2019 SS REHAB #0249-0163	JC	\$674,796	\$1,330,324

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	04-10-2019	01-23-2021
Customer	Owner	
Macomb Township, MI	Macomb Township, MI	
54111 Broughton Road	54111 Broughton Road	
Macomb	Macomb	
Macomb MI 48042	Macomb MI 48042	
+1 586 9920710	+1 586 9920710	

	AIS	STD	Total	SR's
10	0	4,590	4,590	0
12	0	2,459	2,459	
15	1,795	6,491	8,286	
18	685	1,742	2,427	
21	131	2,323	2,454	
24	0	1,271	1,271	
<b>Total</b>	<b>2,611</b>	<b>18,876</b>	<b>21,487</b>	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130585	Prime	EAST BAY CHARTER TOWNSHIP   US-31 FORCE MAIN REHAB	JC	\$904,241	\$914,233

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	02-28-2019	09-05-2020

Customer	Owner
East Bay Charter Township-Traverse City, MI	East Bay Charter Township-Traverse City, MI
1965 North Three Mile Road Grand Traverse Traverse City MI 49696	1965 North Three Mile Road Grand Traverse Traverse City MI 49696
+1 231 9478647	+1 231 9478647

	STD	Total	SR's
10	2,731	2,731	0
Total	2,731	2,731	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130594	Prime	CLINTON CHARTER TOWNSHIP MI   2019 SANITSEW.REH. CIPP LINING	JC	\$2,387,060	\$2,298,133

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	07-29-2019	01-30-2021

Customer	Owner
Township of Clinton, MI	Township of Clinton, MI
40700 Romeo Plank Road Macomb Clinton Township MI 48038	40700 Romeo Plank Road Macomb Clinton Township MI 48038
+1 586 2869422	+1 586 2869422

	AIS	STD	Total	SR's
10	9,860	716	10,576	0
12	606	806	1,412	
15	1,925	730	2,655	
18	0	4,489	4,489	
21	0	5,691	5,691	
24	0	2,716	2,716	
Total	12,391	15,148	27,539	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130596	Sub	BLACKMAN CHARTER TOWNSHIP MI   2019 CIPP REHAB PROPOSAL	JC	\$388,124	\$477,402

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	09-10-2019	05-15-2021
Customer	Owner	
M&K Jetting and Televising-Jackson, MI	Blackman Charter Township-Jackson, MI	
3201 W Michigan Ave Jackson Jackson MI 49204	1990 W Parnall Rd Jackson Jackson MI 49203	
+1 517 7831819	+1 517 7884345	

	AIS	STD	Total	SR's
8	153	0	153	0
12	4,036	0	4,036	
15	1,128	0	1,128	
27	0	2,146	2,146	
Total	5,316	2,146	7,462	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130600	Prime	BATTLE CREEK MI, CON #2020-022B   2019-54" SANIT. SEW. INTERC. REH	JC	\$1,555,715	\$2,564,574

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	09-19-2019	05-28-2020
Customer	Owner	
City of Battle Creek, MI	City of Battle Creek, MI	
350 Michigan Ave W Calhoun Battle Creek MI 49017-2343	350 Michigan Ave W Calhoun Battle Creek MI 49017-2343	
+1 269 9663480	+1 269 9663480	

	STD	Total	SR's
54	8,834	8,834	0
Total	8,834	8,834	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130601	Prime	OAKLAND CO.WTR RES,PLUM HOLLOW   SS REH PLUM HOLLOW GOLF COURSE	JC	\$2,190,324	\$2,416,123

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	10-01-2019	06-23-2020

Customer	Owner
Oakland County,MI--Waterford, MI-Water Resource Commissioner	Oakland County,MI--Waterford, MI-Water Resource Commissioner
One Public Works Drive, Building 95 West Oakland Waterford MI 48328	One Public Works Drive, Building 95 West Oakland Waterford MI 48328
+1 248 8580958	+1 248 8580958

	STD	Total	SR's
36	3,601	3,601	0
Total	3,601	3,601	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130602	Sub	CORBY ENERGY SERV,BRANCH CO,MI   I-69 NB & SB OVER RAPPALLEVE	JC	\$1,088,090	\$1,133,090

Project Manager	Bid Date	Project Close Date
Ginderske, Duane A	10-23-2019	01-10-2020

Customer	Owner
Corby Energy Services Inc-Belleville, MI	Department of Transportation - State of Michigan-Lansing, MI
6001 Schooner St PO Box 970 Wayne Belleville MI 48112	425 W Ottawa Street PO Box 30060 Ingham Lansing MI 48909
+1 734 4810872	+1 517 3732090

	STD	Total	SR's
102	297	297	0
Total	297	297	



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130612	Prime	ADA TOWNSHIP MI, PROJ#180225.01   ADA DR. OUTLER SANIT SEW REPR.	JC	\$1,618,413	\$1,595,209

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Brinkoetter, Matthew J	04-16-2020	10-28-2020	422	422	0
			6,129	6,129	
<b>Total</b>			<b>6,551</b>	<b>6,551</b>	

Customer	Owner
Ada Township-Ada, MI	Ada Township-Ada, MI
7330 Thornapple River Drive	7330 Thornapple River Drive
Kent	Kent
Ada MI 49301	Ada MI 49301
+1 616 6769191	+1 616 6769191

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130613	Sub	PIPELINE MANAGEMENT, FARMINGTON   BEL-AIRE SANIT. SEWER LINING PJ	JC	\$355,452	\$321,893

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Brinkoetter, Matthew J	04-07-2020	09-09-2020	11,111	11,111	0
			725	725	
<b>Total</b>			<b>11,836</b>	<b>11,836</b>	

Customer	Owner
Pipeline Management Co.-Milford, MI	City of Farmington, MI
2673 E. Maple Rd	23600 Liberty Street
Oakland	Oakland
Milford MI 48381	Farmington MI 48332
+1 248 6851500	+1 248 4745500



JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130615	Prime	OWOSSO MI, PROJ.#0020-19-0050   2020 SS IMPROV.C#1, P#0020190050	JC	\$785,110	\$673,187

Project Manager	Bid Date	Project Close Date
Brinkoetter, Matthew J	04-07-2020	11-27-2021
Customer	Owner	
City of Owosso, MI 301 W Main St Shiawassee Owosso MI 48867 +1 989 7250550	City of Owosso, MI 301 W Main St Shiawassee Owosso MI 48867 +1 989 7250550	

	AIS	STD	Total	SR's
8	6,530	0	6,530	0
10	1,622	0	1,622	
12	368	55	423	
18	0	52	52	
<b>Total</b>	<b>8,520</b>	<b>107</b>	<b>8,627</b>	

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130618	Prime	DURAND MI, ICE GRANT IMPROVEM   ICE GRANT IMPROV.,SS LINING,	JC	\$297,454	\$251,471

Project Manager	Bid Date	Project Close Date
Brinkoetter, Matthew J	04-21-2020	04-03-2021
Customer	Owner	
City of Durand, MI 215 West Clinton Street Shiawassee Durand MI 48429 +1 989 2883113	City of Durand, MI 215 West Clinton Street Shiawassee Durand MI 48429 +1 989 2883113	

	AIS	STD	Total	SR's
8	821	0	821	0
24	0	1,831	1,831	
<b>Total</b>	<b>821</b>	<b>1,831</b>	<b>2,652</b>	





JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130636	Sub	PIPELINE MANAGEMENT, ROUGE RIVR   SOUTHFIELD ROUGE RIVER SS LIN	JC	\$447,777	\$450,077

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Brinkoetter, Matthew J	01-19-2021	06-12-2021	1,854	1,854	0
			202	202	
<b>Customer</b>	<b>Owner</b>		<b>2,056</b>	<b>2,056</b>	

**Customer**  
 Pipeline Management Co.-Milford,MI  
 2673 E. Maple Rd  
 Oakland  
 Milford MI 48381  
 +1 248 6851500

**Owner**  
 Oakland County,MI--Waterford, MI--  
 Water Resource Commissioner  
 One Public Works Drive, Building 95 West  
 Oakland  
 Waterford MI 48328  
 +1 248 8580958

JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
130649	Prime	CORTEVA AGRISCIENCE,MIDLAND MI   14" PRESSURE PIPE,PO#4381269561	JC	\$804,888	\$804,888

Project Manager	Bid Date	Project Close Date	STD	Total	SR's
Brinkoetter, Matthew J	04-21-2021	12-11-2021	1,805	1,805	0
			1,805	1,805	
<b>Customer</b>	<b>Owner</b>		<b>1,805</b>	<b>1,805</b>	

**Customer**  
 Corteva Agriscience-Midland, MI  
 3100 James Savage Rd  
 Midland  
 Midland MI 48642  
 +1 989 4862660

**Owner**  
 Corteva Agriscience-Midland, MI  
 3100 James Savage Rd  
 Midland  
 Midland MI 48642  
 +1 989 4862660

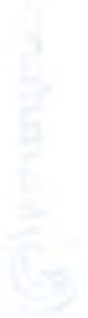




JDE Job Number	Role	Project Description	Project Status	Contract Value	Final Contract Amount
13065501	Prime	WYOMING MI, PO#2022-00000201   CIPP LINING, PO#2022-00000201	JC	\$402,923	\$404,426

Project Manager	Bid Date	Project Close Date
Brinkoetter, Matthew J	07-21-2021	06-18-2022
Customer	Owner	
City of Wyoming, MI 2660 Burlingame S.W. Kent Wyoming MI 49418-1197 +1 616 5307260	City of Wyoming, MI 2660 Burlingame S.W. Kent Wyoming MI 49418-1197 +1 616 5307260	

	AIS	Total	SIR's
8	6,205	6,205	0
10	2,528	2,528	
12	1,433	1,433	
15	277	277	
18	612	612	
Total	11,055	11,055	







Proprietary Property and Trade Secret of Aegion, Inc. Unauthorized Use, Dissemination and Disclosure Strictly Prohibited

## Contract Qualification Closed Projects ( 2018 - Present ) - Detail Contract Value

Project JDE Job Number	Contract Value	Final Contract Amount
13051601	\$369,449.20	\$371,702.00
130522	\$631,361.50	\$527,106.05
130538	\$718,629.70	\$719,375.13
130544	\$582,410.50	\$665,924.77
130546	\$295,708.60	\$384,421.40
13054601	\$251,415.70	\$291,747.40
130549	\$264,141.30	\$365,113.00
130551	\$687,952.98	\$710,643.80
130553	\$370,489.30	\$372,591.19
130554	\$1,259,814.80	\$1,274,209.42
130555	\$631,259.50	\$919,352.56
130574	\$531,580.10	\$534,745.14
130575	\$461,181.28	\$440,716.21
130579	\$674,795.90	\$1,330,324.44
130585	\$904,240.60	\$914,233.10
130594	\$2,387,059.90	\$2,298,132.62
130596	\$388,123.70	\$477,401.60
130600	\$1,555,715.10	\$2,564,574.42
130601	\$2,190,324.10	\$2,416,123.35
130602	\$1,088,090.10	\$1,133,090.10
130612	\$1,618,412.90	\$1,595,209.34
130613	\$355,451.50	\$321,893.10
130615	\$785,109.70	\$673,186.59
130618	\$297,453.90	\$251,471.20
130636	\$447,776.70	\$450,076.70
130649	\$804,887.80	\$804,887.80
1306501	\$402,922.70	\$404,425.50
<b>Total</b>	<b>\$20,955,759.06</b>	<b>\$23,212,677.93</b>

**F. AUTHORIZED NEGOTIATOR / NEGOTIATIBLE ELEMENTS (ALTERNATES)**

Include the name, phone number, and e-mail address of persons(s) in your organization authorized to negotiate the agreement with the City.

The proposal price shall include materials and equipment selected from the designated items and manufacturers listed in the bidding documents. This is done to establish uniformity in bidding and to establish standards of quality for the items named.

If the bidder wishes to quote alternate items for consideration by the City, it may do so under this Section. A complete description of the item and the proposed price differential must be provided. Unless approved at the time of award, substitutions where items are specifically named will be considered only as a negotiated change in Contract Sum.

If the Bidder takes exception to the time stipulated in Article III of the Contract, Time of Completion, page C-2, it is requested to stipulate its proposed time for performance of the work.

Consideration for any proposed alternative items or time may be negotiated at the discretion of the City.

**G. ATTACHMENTS**

General Declaration, Legal Status of Bidder, Conflict of Interest Form, Living Wage Compliance Form, Prevailing Wage Compliance Form and the Non-Discrimination Form should be completed and returned with the proposal. These elements should be included as attachments to the proposal submission.

**PROPOSAL EVALUATION**

1. The selection committee will evaluate each proposal by the above-described criteria and point system. The City reserves the right to reject any proposal that it determines to be unresponsive and deficient in any of the information requested for evaluation. A proposal with all the requested information does not guarantee the proposing firm to be a candidate for an interview if interviews are selected to be held by the City. The committee may contact references to verify material submitted by the bidder.
2. The committee then will schedule interviews with the selected firms if necessary. The selected firms will be given the opportunity to discuss in more detail their qualifications, past experience, proposed work plan (if applicable) and pricing.
3. The interview should include the project team members expected to work on the project, but no more than six members total. The interview shall consist of a presentation of up to thirty minutes (or the length provided by the committee) by the

bidder, including the person who will be the project manager on this contract, followed by approximately thirty minutes of questions and answers. Audiovisual aids may be used during the oral interviews. The committee may record the oral interviews.

4. The firms interviewed will then be re-evaluated by the above criteria and adjustments to scoring will be made as appropriate. After evaluation of the proposals, further negotiation with the selected firm may be pursued leading to the award of a contract by City Council, if suitable proposals are received.

The City reserves the right to waive the interview process and evaluate the bidder based on their proposal and pricing schedules alone.

The City will determine whether the final scope of the project to be negotiated will be entirely as described in this RFP, a portion of the scope, or a revised scope.

Work to be done under this contract is generally described through the detailed specifications and must be completed fully in accordance with the contract documents.

Any proposal that does not conform fully to these instructions may be rejected.

## **PREPARATION OF PROPOSALS**

Proposals should have no plastic bindings but will not be rejected as non-responsive for being bound. Staples or binder clips are acceptable. Proposals should be printed double sided on recycled paper.

Each person signing the proposal certifies that they are a person in the bidder's firm/organization responsible for the decisions regarding the fees being offered in the Proposal and has not and will not participate in any action contrary to the terms of this provision.

## **ADDENDA**

If it becomes necessary to revise any part of the RFP, notice of the addendum will be posted to Michigan Inter-governmental Trade Network (MITN) [www.mitn.info](http://www.mitn.info) and/or the City of Ann Arbor web site [www.A2gov.org](http://www.A2gov.org) for all parties to download.

Each bidder should acknowledge in its proposal all addenda it has received on the General Declarations form provided in the Attachments section herein. The failure of a bidder to receive or acknowledge receipt of any addenda shall not relieve the bidder of the responsibility for complying with the terms thereof. The City will not be bound by oral responses to inquiries or written responses other than official written addenda.

## **SECTION IV - ATTACHMENTS**

Attachment A – Sample Standard Contract

Attachment B – General Declarations

Attachment C - Legal Status of Bidder

Attachment D – Prevailing Wage Declaration of Compliance Form

Attachment E – Living Wage Declaration of Compliance Form

Attachment F – Living Wage Ordinance Poster

Attachment G – Vendor Conflict of Interest Disclosure Form

Attachment H – Non-Discrimination Ordinance Declaration of Compliance Form

Attachment I – Non-Discrimination Ordinance Poster

Sample Certified Payroll Report Template

## CONTRACT

THIS CONTRACT is between the CITY OF ANN ARBOR, a Michigan Municipal Corporation, 301 East Huron Street, Ann Arbor, Michigan 48104 ("City") and Insituform Technologies USA, LLC., ("Contractor") a Delaware Corporation, 580 Goddard Avenue, Chesterfield, MO 63005.

Based upon the mutual promises below, the Contractor and the City agree as follows:

### ARTICLE I - Scope of Work

The Contractor agrees to furnish all of the materials, equipment and labor necessary; and to abide by all the duties and responsibilities applicable to it for the project titled **RFP No. 22-70 – High Level Trunkline Sanitary Sewer Rehabilitation Ph. 2** in accordance with the requirements and provisions of the following documents, including all written modifications incorporated into any of the documents, all of which are incorporated as part of this Contract:

Non-discrimination and Living Wage Declaration of Compliance Forms (if applicable)	General Conditions
Vendor Conflict of Interest Form	Standard Specifications
Prevailing Wage Declaration of Compliance Form (if applicable)	Detailed Specifications
Bid Forms	Plans
Contract and Exhibits	Addenda
Bonds	

### ARTICLE II - Definitions

**Administering Service Area/Unit** means **Public Services Area/Engineering Unit**

**Project** means **RFP No. 22-70 – High Level Trunkline Sanitary Sewer Rehabilitation Ph. 2**

**Supervising Professional** means the person acting under the authorization of the manager of the Administering Service Area/Unit. At the time this Contract is executed, the Supervising Professional is: **Igor V. Kotlyar, P.E.** whose job title is **Project Manager**. If there is any question concerning who the Supervising Professional is, Contractor shall confirm with the manager of the Administering Service Area/Unit.

**Contractor's Representative** means **Ursula Youngblood**, whose job title is **Contracting & Attesting Officer**.

### ARTICLE III - Time of Completion

- (A) The work to be completed under this Contract shall begin immediately on the date specified in the Notice to Proceed issued by the City.
- (B) The entire work for this Contract shall be completed per schedule specified in



Detail Specification for Project Schedule.

- (C) Failure to complete all the work within the time specified above, including any extension granted in writing by the Supervising Professional, shall obligate the Contractor to pay the City, as liquidated damages and not as a penalty, an amount equal to **\$1,000** for each calendar day of delay in the completion of all the work. If any liquidated damages are unpaid by the Contractor, the City shall be entitled to deduct these unpaid liquidated damages from the monies due the Contractor.

The liquidated damages are for the non-quantifiable aspects of any of the previously identified events and do not cover actual damages that can be shown or quantified nor are they intended to preclude recovery of actual damages in addition to the recovery of liquidated damages.

#### **ARTICLE IV - The Contract Sum**

- (A) The City shall pay to the Contractor for the performance of the Contract, the unit prices as given in the Bid Form for the estimated bid total of:

Four Million, Two Hundred Forty-Two Thousand, Fifty-Five 60/100 Dollars  
(\$4,242,055.60)

- (B) The amount paid shall be equitably adjusted to cover changes in the work ordered by the Supervising Professional but not required by the Contract Documents. Increases or decreases shall be determined only by written agreement between the City and Contractor.

#### **ARTICLE V - Assignment**

This Contract may not be assigned or subcontracted any portion of any right or obligation under this contract without the written consent of the City. Notwithstanding any consent by the City to any assignment, Contractor shall at all times remain bound to all warranties, certifications, indemnifications, promises and performances, however described, as are required of it under this contract unless specifically released from the requirement, in writing, by the City.

#### **ARTICLE VI - Choice of Law**

This Contract shall be construed, governed, and enforced in accordance with the laws of the State of Michigan. By executing this Contract, the Contractor and the City agree to venue in a court of appropriate jurisdiction sitting within Washtenaw County for purposes of any action arising under this Contract. The parties stipulate that the venue referenced in this Contract is for convenience and waive any claim of non-convenience.

Whenever possible, each provision of the Contract will be interpreted in a manner as to be effective and valid under applicable law. The prohibition or invalidity, under applicable law, of any provision will not invalidate the remainder of the Contract.

## **ARTICLE VII - Relationship of the Parties**

The parties of the Contract agree that it is not a Contract of employment but is a Contract to accomplish a specific result. Contractor is an independent Contractor performing services for the City. Nothing contained in this Contract shall be deemed to constitute any other relationship between the City and the Contractor.

Contractor certifies that it has no personal or financial interest in the project other than the compensation it is to receive under the Contract. Contractor certifies that it is not, and shall not become, overdue or in default to the City for any Contract, debt, or any other obligation to the City including real or personal property taxes. City shall have the right to set off any such debt against compensation awarded for services under this Contract.

## **ARTICLE VIII - Notice**

All notices given under this Contract shall be in writing, and shall be by personal delivery or by certified mail with return receipt requested to the parties at their respective addresses as specified in the Contract Documents or other address the Contractor may specify in writing. Notice will be deemed given on the date when one of the following first occur: (1) the date of actual receipt; or (2) three days after mailing certified U.S. mail.

## **ARTICLE IX - Indemnification**

To the fullest extent permitted by law, Contractor shall indemnify, defend and hold the City, its officers, employees and agents harmless from all suits, claims, judgments and expenses including attorney's fees resulting or alleged to result, in whole or in part, from any act or omission, which is in any way connected or associated with this Contract, by the Contractor or anyone acting on the Contractor's behalf under this Contract. Contractor shall not be responsible to indemnify the City for losses or damages caused by or resulting from the City's sole negligence. The provisions of this Article shall survive the expiration or earlier termination of this contract for any reason.

## **ARTICLE X - Entire Agreement**

This Contract represents the entire understanding between the City and the Contractor and it supersedes all prior representations, negotiations, agreements, or understandings whether written or oral. Neither party has relied on any prior representations in entering into this Contract. No terms or conditions of either party's invoice, purchase order or other administrative document shall modify the terms and conditions of this Contract, regardless of the other party's failure to object to such form. This Contract shall be binding on and shall inure to the benefit of the parties to this Contract and their permitted successors and permitted assigns and nothing in this Contract, express or implied, is intended to or shall confer on any other person or entity any legal or equitable right, benefit, or remedy of any nature whatsoever under or by reason of this Contract. This Contract may be altered, amended or modified only by written amendment signed by the City and the Contractor.

## **ARTICLE XI – Electronic Transactions**

The City and Contractor agree that signatures on this Contract may be delivered electronically in lieu of an original signature and agree to treat electronic signatures as original signatures that bind them to this Contract. This Contract may be executed and delivered by facsimile and upon such delivery, the facsimile signature will be deemed to have the same effect as if the original signature had been delivered to the other party.

**FOR CONTRACTOR**

By \_\_\_\_\_

Its: \_\_\_\_\_

**FOR THE CITY OF ANN ARBOR**

By \_\_\_\_\_  
Christopher Taylor, Mayor

By \_\_\_\_\_  
Jacqueline Beaudry, City Clerk

**Approved as to substance**

By \_\_\_\_\_  
Milton Dohoney, Jr., City Administrator

By \_\_\_\_\_  
Brian Steglitz, Interim  
Services Area Administrator

**Approved as to form and content**

\_\_\_\_\_  
Atleen Kaur, City Attorney

**PERFORMANCE BOND**

- (1) \_\_\_\_\_ of \_\_\_\_\_ (referred to as "Principal"), and \_\_\_\_\_, a corporation duly authorized to do business in the State of Michigan (referred to as "Surety"), are bound to the City of Ann Arbor, Michigan (referred to as "City"), for \$ \_\_\_\_\_, the payment of which Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by this bond.
- (2) The Principal has entered a written Contract with the City entitled \_\_\_\_\_, for RFP No. \_\_\_\_\_ and this bond is given for that Contract in compliance with Act No. 213 of the Michigan Public Acts of 1963, as amended, being MCL 129.201 *et seq.*
- (3) Whenever the Principal is declared by the City to be in default under the Contract, the Surety may promptly remedy the default or shall promptly:
- (a) complete the Contract in accordance with its terms and conditions; or
  - (b) obtain a bid or bids for submission to the City for completing the Contract in accordance with its terms and conditions, and upon determination by Surety of the lowest responsible bidder, arrange for a Contract between such bidder and the City, and make available, as work progresses, sufficient funds to pay the cost of completion less the balance of the Contract price; but not exceeding, including other costs and damages for which Surety may be liable hereunder, the amount set forth in paragraph 1.
- (4) Surety shall have no obligation to the City if the Principal fully and promptly performs under the Contract.
- (5) Surety agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder, or the specifications accompanying it shall in any way affect its obligations on this bond, and waives notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the work, or to the specifications.
- (6) Principal, Surety, and the City agree that signatures on this bond may be delivered electronically in lieu of an original signature and agree to treat electronic signatures as original signatures that bind them to this bond. This bond may be executed and delivered by facsimile and upon such delivery, the facsimile signature will be deemed to have the same effect as if the original signature had been delivered to the other party.

**SIGNED AND SEALED** this \_\_\_\_\_ day of \_\_\_\_\_, 202\_.

\_\_\_\_\_  
(Name of Surety Company)

By \_\_\_\_\_  
(Signature)

Its \_\_\_\_\_  
(Title of Office)

Approved as to form:

\_\_\_\_\_  
Atleen Kaur, City Attorney

\_\_\_\_\_  
(Name of Principal)

By \_\_\_\_\_  
(Signature)

Its \_\_\_\_\_  
(Title of Office)

Name and address of agent:

\_\_\_\_\_  
\_\_\_\_\_

## LABOR AND MATERIAL BOND

- (1) \_\_\_\_\_  
of \_\_\_\_\_ (referred to as "Principal"), and \_\_\_\_\_, a corporation duly authorized to do business in the State of Michigan, (referred to as "Surety"), are bound to the City of Ann Arbor, Michigan (referred to as "City"), for the use and benefit of claimants as defined in Act 213 of Michigan Public Acts of 1963, as amended, being MCL 129.201 et seq., in the amount of \$ \_\_\_\_\_, for the payment of which Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by this bond.
- (2) The Principal has entered a written Contract with the City entitled \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_, for RFP No. \_\_\_\_\_; and this bond is given for that Contract in compliance with Act No. 213 of the Michigan Public Acts of 1963 as amended;
- (3) If the Principal fails to promptly and fully repay claimants for labor and material reasonably required under the Contract, the Surety shall pay those claimants.
- (4) Surety's obligations shall not exceed the amount stated in paragraph 1, and Surety shall have no obligation if the Principal promptly and fully pays the claimants.
- (5) Principal, Surety, and the City agree that signatures on this bond may be delivered electronically in lieu of an original signature and agree to treat electronic signatures as original signatures that bind them to this bond. This bond may be executed and delivered by facsimile and upon such delivery, the facsimile signature will be deemed to have the same effect as if the original signature had been delivered to the other party.

**SIGNED AND SEALED** this \_\_\_\_\_ day of \_\_\_\_\_, 202\_\_

\_\_\_\_\_  
(Name of Surety Company)

By \_\_\_\_\_  
(Signature)

Its \_\_\_\_\_  
(Title of Office)

Approved as to form:

\_\_\_\_\_  
Atleen Kaur, City Attorney

\_\_\_\_\_  
(Name of Principal)

By \_\_\_\_\_  
(Signature)

Its \_\_\_\_\_  
(Title of Office)

Name and address of agent:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## GENERAL CONDITIONS

### **Section 1 - Execution, Correlation and Intent of Documents**

The contract documents shall be signed in 2 copies by the City and the Contractor.

The contract documents are complementary and what is called for by any one shall be binding. The intention of the documents is to include all labor and materials, equipment and transportation necessary for the proper execution of the work. Materials or work described in words which so applied have a well-known technical or trade meaning have the meaning of those recognized standards.

In case of a conflict among the contract documents listed below in any requirement(s), the requirement(s) of the document listed first shall prevail over any conflicting requirement(s) of a document listed later.

(1) Addenda in reverse chronological order; (2) Detailed Specifications; (3) Standard Specifications; (4) Plans; (5) General Conditions; (6) Contract; (7) Bid Forms; (8) Bond Forms; (9) Bid.

### **Section 2 - Order of Completion**

The Contractor shall submit with each invoice, and at other times reasonably requested by the Supervising Professional, schedules showing the order in which the Contractor proposes to carry on the work. They shall include the dates at which the Contractor will start the several parts of the work, the estimated dates of completion of the several parts, and important milestones within the several parts.

### **Section 3 - Familiarity with Work**

The Bidder or its representative shall make personal investigations of the site of the work and of existing structures and shall determine to its own satisfaction the conditions to be encountered, the nature of the ground, the difficulties involved, and all other factors affecting the work proposed under this Contract. The Bidder to whom this Contract is awarded will not be entitled to any additional compensation unless conditions are clearly different from those which could reasonably have been anticipated by a person making diligent and thorough investigation of the site.

The Bidder shall immediately notify the City upon discovery, and in every case prior to submitting its Bid, of every error or omission in the bidding documents that would be identified by a reasonably competent, diligent Bidder. In no case will a Bidder be allowed the benefit of extra compensation or time to complete the work under this Contract for extra expenses or time spent as a result of the error or omission.

### **Section 4 - Wage Requirements**

Under this Contract, the Contractor shall conform to Chapter 14 of Title I of the Code of the City of Ann Arbor as amended; which in part states "...that all craftsmen, mechanics and laborers employed directly on the site in connection with said improvements, including said employees of

subcontractors, shall receive the prevailing wage for the corresponding classes of craftsmen, mechanics and laborers, as determined by statistics for the Ann Arbor area compiled by the United States Department of Labor. At the request of the City, any contractor or subcontractor shall provide satisfactory proof of compliance with the contract provisions required by the Section.

Pursuant to Resolution R-16-469 all public improvement contractors are subject to prevailing wage and will be required to provide to the City payroll records sufficient to demonstrate compliance with the prevailing wage requirements. A sample Prevailing Wage Form is provided in the Appendix herein for reference as to what will be expected from contractors. Use of the Prevailing Wage Form provided in the Appendix section or a City-approved equivalent will be required along with wage rate interviews.

Where the Contract and the Ann Arbor City Ordinance are silent as to definitions of terms required in determining contract compliance with regard to prevailing wages, the definitions provided in the Davis-Bacon Act as amended (40 U.S.C. 278-a to 276-a-7) for the terms shall be used.

If the Contractor is a "covered employer" as defined in Chapter 23 of the Ann Arbor City Code, the Contractor agrees to comply with the living wage provisions of Chapter 23 of the Ann Arbor City Code. The Contractor agrees to pay those employees providing Services to the City under this Contract a "living wage," as defined in Section 1:815 of the Ann Arbor City Code, as adjusted in accordance with Section 1:815(3); to post a notice approved by the City of the applicability of Chapter 23 in every location in which regular or contract employees providing services under this Contract are working; to maintain records of compliance; if requested by the City, to provide documentation to verify compliance; to take no action that would reduce the compensation, wages, fringe benefits, or leave available to any employee or person contracted for employment in order to pay the living wage required by Section 1:815; and otherwise to comply with the requirements of Chapter 23.

Contractor agrees that all subcontracts entered into by the Contractor shall contain similar wage provision covering subcontractor's employees who perform work on this contract.

## **Section 5 - Non-Discrimination**

The Contractor agrees to comply, and to require its subcontractor(s) to comply, with the nondiscrimination provisions of MCL 37.2209. The Contractor further agrees to comply with the provisions of Section 9:158 of Chapter 112 of Title IX of the Ann Arbor City Code, and to assure that applicants are employed and that employees are treated during employment in a manner which provides equal employment opportunity.

## **Section 6 - Materials, Appliances, Employees**

Unless otherwise stipulated, the Contractor shall provide and pay for all materials, labor, water, tools, equipment, light, power, transportation, and other facilities necessary or used for the execution and completion of the work. Unless otherwise specified, all materials incorporated in the permanent work shall be new, and both workmanship and materials shall be of the highest quality. The Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of materials.

The Contractor shall at all times enforce strict discipline and good order among its employees, and shall seek to avoid employing on the work any unfit person or anyone not skilled in the work assigned.

Adequate sanitary facilities shall be provided by the Contractor.

## **Section 7 - Qualifications for Employment**

The Contractor shall employ competent laborers and mechanics for the work under this Contract. For work performed under this Contract, employment preference shall be given to qualified local residents.

## **Section 8 - Royalties and Patents**

The Contractor shall pay all royalties and license fees. It shall defend all suits or claims for infringements of any patent rights and shall hold the City harmless from loss on account of infringement except that the City shall be responsible for all infringement loss when a particular process or the product of a particular manufacturer or manufacturers is specified, unless the City has notified the Contractor prior to the signing of the Contract that the particular process or product is patented or is believed to be patented.

## **Section 9 - Permits and Regulations**

The Contractor must secure and pay for all permits, permit or plan review fees and licenses necessary for the prosecution of the work. These include but are not limited to City building permits, right-of-way permits, lane closure permits, right-of-way occupancy permits, and the like. The City shall secure and pay for easements shown on the plans unless otherwise specified.

The Contractor shall give all notices and comply with all laws, ordinances, rules and regulations bearing on the conduct of the work as drawn and specified. If the Contractor observes that the contract documents are at variance with those requirements, it shall promptly notify the Supervising Professional in writing, and any necessary changes shall be adjusted as provided in the Contract for changes in the work.

## **Section 10 - Protection of the Public and of Work and Property**

The Contractor is responsible for the means, methods, sequences, techniques and procedures of construction and safety programs associated with the work contemplated by this contract. The Contractor, its agents or sub-contractors, shall comply with the "General Rules and Regulations for the Construction Industry" as published by the Construction Safety Commission of the State of Michigan and to all other local, State and National laws, ordinances, rules and regulations pertaining to safety of persons and property.

The Contractor shall take all necessary and reasonable precautions to protect the safety of the public. It shall continuously maintain adequate protection of all work from damage, and shall take all necessary and reasonable precautions to adequately protect all public and private property from injury or loss arising in connection with this Contract. It shall make good any damage, injury or loss to its work and to public and private property resulting from lack of reasonable protective precautions, except as may be due to errors in the contract documents, or caused by agents or

employees of the City. The Contractor shall obtain and maintain sufficient insurance to cover damage to any City property at the site by any cause.

In an emergency affecting the safety of life, or the work, or of adjoining property, the Contractor is, without special instructions or authorization from the Supervising Professional, permitted to act at its discretion to prevent the threatened loss or injury. It shall also so act, without appeal, if authorized or instructed by the Supervising Professional.

Any compensation claimed by the Contractor for emergency work shall be determined by agreement or in accordance with the terms of Claims for Extra Cost - Section 15.

## **Section 11 - Inspection of Work**

The City shall provide sufficient competent personnel for the inspection of the work.

The Supervising Professional shall at all times have access to the work whenever it is in preparation or progress, and the Contractor shall provide proper facilities for access and for inspection.

If the specifications, the Supervising Professional's instructions, laws, ordinances, or any public authority require any work to be specially tested or approved, the Contractor shall give the Supervising Professional timely notice of its readiness for inspection, and if the inspection is by an authority other than the Supervising Professional, of the date fixed for the inspection. Inspections by the Supervising Professional shall be made promptly, and where practicable at the source of supply. If any work should be covered up without approval or consent of the Supervising Professional, it must, if required by the Supervising Professional, be uncovered for examination and properly restored at the Contractor's expense.

Re-examination of any work may be ordered by the Supervising Professional, and, if so ordered, the work must be uncovered by the Contractor. If the work is found to be in accordance with the contract documents, the City shall pay the cost of re-examination and replacement. If the work is not in accordance with the contract documents, the Contractor shall pay the cost.

## **Section 12 - Superintendence**

The Contractor shall keep on the work site, during its progress, a competent superintendent and any necessary assistants, all satisfactory to the Supervising Professional. The superintendent will be responsible to perform all on-site project management for the Contractor. The superintendent shall be experienced in the work required for this Contract. The superintendent shall represent the Contractor and all direction given to the superintendent shall be binding as if given to the Contractor. Important directions shall immediately be confirmed in writing to the Contractor. Other directions will be confirmed on written request. The Contractor shall give efficient superintendence to the work, using its best skill and attention.

## **Section 13 - Changes in the Work**

The City may make changes to the quantities of work within the general scope of the Contract at any time by a written order and without notice to the sureties. If the changes add to or deduct from the extent of the work, the Contract Sum shall be adjusted accordingly. All the changes shall be

executed under the conditions of the original Contract except that any claim for extension of time caused by the change shall be adjusted at the time of ordering the change.

In giving instructions, the Supervising Professional shall have authority to make minor changes in the work not involving extra cost and not inconsistent with the purposes of the work, but otherwise, except in an emergency endangering life or property, no extra work or change shall be made unless in pursuance of a written order by the Supervising Professional, and no claim for an addition to the Contract Sum shall be valid unless the additional work was ordered in writing.

The Contractor shall proceed with the work as changed and the value of the work shall be determined as provided in Claims for Extra Cost - Section 15.

## **Section 14 - Extension of Time**

Extension of time stipulated in the Contract for completion of the work will be made if and as the Supervising Professional may deem proper under any of the following circumstances:

- (1) When work under an extra work order is added to the work under this Contract;
- (2) When the work is suspended as provided in Section 20;
- (3) When the work of the Contractor is delayed on account of conditions which could not have been foreseen, or which were beyond the control of the Contractor, and which were not the result of its fault or negligence;
- (4) Delays in the progress of the work caused by any act or neglect of the City or of its employees or by other Contractors employed by the City;
- (5) Delay due to an act of Government;
- (6) Delay by the Supervising Professional in the furnishing of plans and necessary information;
- (7) Other cause which in the opinion of the Supervising Professional entitles the Contractor to an extension of time.

The Contractor shall notify the Supervising Professional within 7 days of an occurrence or conditions which, in the Contractor's opinion, entitle it to an extension of time. The notice shall be in writing and submitted in ample time to permit full investigation and evaluation of the Contractor's claim. The Supervising Professional shall acknowledge receipt of the Contractor's notice within 7 days of its receipt. Failure to timely provide the written notice shall constitute a waiver by the Contractor of any claim.

In situations where an extension of time in contract completion is appropriate under this or any other section of the contract, the Contractor understands and agrees that the only available adjustment for events that cause any delays in contract completion shall be extension of the required time for contract completion and that there shall be no adjustments in the money due the Contractor on account of the delay.



## Section 15 - Claims for Extra Cost

If the Contractor claims that any instructions by drawings or other media issued after the date of the Contract involved extra cost under this Contract, it shall give the Supervising Professional written notice within 7 days after the receipt of the instructions, and in any event before proceeding to execute the work, except in emergency endangering life or property. The procedure shall then be as provided for Changes in the Work-Section I3. No claim shall be valid unless so made.

If the Supervising Professional orders, in writing, the performance of any work not covered by the contract documents, and for which no item of work is provided in the Contract, and for which no unit price or lump sum basis can be agreed upon, then the extra work shall be done on a Cost-Plus-Percentage basis of payment as follows:

- (1) The Contractor shall be reimbursed for all reasonable costs incurred in doing the work, and shall receive an additional payment of 15% of all the reasonable costs to cover both its indirect overhead costs and profit;
- (2) The term "Cost" shall cover all payroll charges for employees and supervision required under the specific order, together with all worker's compensation, Social Security, pension and retirement allowances and social insurance, or other regular payroll charges on same; the cost of all material and supplies required of either temporary or permanent character; rental of all power-driven equipment at agreed upon rates, together with cost of fuel and supply charges for the equipment; and any costs incurred by the Contractor as a direct result of executing the order, if approved by the Supervising Professional;
- (3) If the extra is performed under subcontract, the subcontractor shall be allowed to compute its charges as described above. The Contractor shall be permitted to add an additional charge of 5% percent to that of the subcontractor for the Contractor's supervision and contractual responsibility;
- (4) The quantities and items of work done each day shall be submitted to the Supervising Professional in a satisfactory form on the succeeding day, and shall be approved by the Supervising Professional and the Contractor or adjusted at once;
- (5) Payments of all charges for work under this Section in any one month shall be made along with normal progress payments. Retainage shall be in accordance with Progress Payments-Section 16.

No additional compensation will be provided for additional equipment, materials, personnel, overtime or special charges required to perform the work within the time requirements of the Contract.

When extra work is required and no suitable price for machinery and equipment can be determined in accordance with this Section, the hourly rate paid shall be 1/40 of the basic weekly rate listed in the Rental Rate Blue Book published by Dataquest Incorporated and applicable to the time period the equipment was first used for the extra work. The hourly rate will be deemed to include all costs of operation such as bucket or blade, fuel, maintenance, "regional factors", insurance, taxes, and the like, but not the costs of the operator.

## **Section 16 - Progress Payments**

The Contractor shall submit each month, or at longer intervals, if it so desires, an invoice covering work performed for which it believes payment, under the Contract terms, is due. The submission shall be to the City's Finance Department - Accounting Division. The Supervising Professional will, within 10 days following submission of the invoice, prepare a certificate for payment for the work in an amount to be determined by the Supervising Professional as fairly representing the acceptable work performed during the period covered by the Contractor's invoice. To insure the proper performance of this Contract, the City will retain a percentage of the estimate in accordance with Act 524, Public Acts of 1980. The City will then, following the receipt of the Supervising Professional's Certificate, make payment to the Contractor as soon as feasible, which is anticipated will be within 15 days.

An allowance may be made in progress payments if substantial quantities of permanent material have been delivered to the site but not incorporated in the completed work if the Contractor, in the opinion of the Supervising Professional, is diligently pursuing the work under this Contract. Such materials shall be properly stored and adequately protected. Allowance in the estimate shall be at the invoice price value of the items. Notwithstanding any payment of any allowance, all risk of loss due to vandalism or any damages to the stored materials remains with the Contractor.

In the case of Contracts which include only the Furnishing and Delivering of Equipment, the payments shall be; 60% of the Contract Sum upon the delivery of all equipment to be furnished, or in the case of delivery of a usable portion of the equipment in advance of the total equipment delivery, 60% of the estimated value of the portion of the equipment may be paid upon its delivery in advance of the time of the remainder of the equipment to be furnished; 30% of the Contract Sum upon completion of erection of all equipment furnished, but not later than 60 days after the date of delivery of all of the equipment to be furnished; and payment of the final 10% on final completion of erection, testing and acceptance of all the equipment to be furnished; but not later than 180 days after the date of delivery of all of the equipment to be furnished, unless testing has been completed and shows the equipment to be unacceptable.

With each invoice for periodic payment, the Contractor shall enclose a Contractor's Declaration - Section 43, and an updated project schedule per Order of Completion - Section 2.

## **Section 17 - Deductions for Uncorrected Work**

If the Supervising Professional decides it is inexpedient to correct work that has been damaged or that was not done in accordance with the Contract, an equitable deduction from the Contract price shall be made.

## **Section 18 - Correction of Work Before Final Payment**

The Contractor shall promptly remove from the premises all materials condemned by the Supervising Professional as failing to meet Contract requirements, whether incorporated in the work or not, and the Contractor shall promptly replace and re-execute the work in accordance with the Contract and without expense to the City and shall bear the expense of making good all work of other contractors destroyed or damaged by the removal or replacement.

If the Contractor does not remove the condemned work and materials within 10 days after written notice, the City may remove them and, if the removed material has value, may store the material

at the expense of the Contractor. If the Contractor does not pay the expense of the removal within 10 days thereafter, the City may, upon 10 days written notice, sell the removed materials at auction or private sale and shall pay to the Contractor the net proceeds, after deducting all costs and expenses that should have been borne by the Contractor. If the removed material has no value, the Contractor must pay the City the expenses for disposal within 10 days of invoice for the disposal costs.

The inspection or lack of inspection of any material or work pertaining to this Contract shall not relieve the Contractor of its obligation to fulfill this Contract and defective work shall be made good. Unsuitable materials may be rejected by the Supervising Professional notwithstanding that the work and materials have been previously overlooked by the Supervising Professional and accepted or estimated for payment or paid for. If the work or any part shall be found defective at any time before the final acceptance of the whole work, the Contractor shall forthwith make good the defect in a manner satisfactory to the Supervising Professional. The judgment and the decision of the Supervising Professional as to whether the materials supplied and the work done under this Contract comply with the requirements of the Contract shall be conclusive and final.

## **Section 19 - Acceptance and Final Payment**

Upon receipt of written notice that the work is ready for final inspection and acceptance, the Supervising Professional will promptly make the inspection. When the Supervising Professional finds the work acceptable under the Contract and the Contract fully performed, the Supervising Professional will promptly sign and issue a final certificate stating that the work required by this Contract has been completed and is accepted by the City under the terms and conditions of the Contract. The entire balance found to be due the Contractor, including the retained percentage, shall be paid to the Contractor by the City within 30 days after the date of the final certificate.

Before issuance of final certificates, the Contractor shall file with the City:

- (1) The consent of the surety to payment of the final estimate;
- (2) The Contractor's Affidavit in the form required by Section 44.

In case the Affidavit or consent is not furnished, the City may retain out of any amount due the Contractor, sums sufficient to cover all lienable claims.

The making and acceptance of the final payment shall constitute a waiver of all claims by the City except those arising from:

- (1) unsettled liens;
- (2) faulty work appearing within 12 months after final payment;
- (3) hidden defects in meeting the requirements of the plans and specifications;
- (4) manufacturer's guarantees.

It shall also constitute a waiver of all claims by the Contractor, except those previously made and still unsettled.

## **Section 20 - Suspension of Work**

The City may at any time suspend the work, or any part by giving 5 days notice to the Contractor in writing. The work shall be resumed by the Contractor within 10 days after the date fixed in the

written notice from the City to the Contractor to do so. The City shall reimburse the Contractor for expense incurred by the Contractor in connection with the work under this Contract as a result of the suspension.

If the work, or any part, shall be stopped by the notice in writing, and if the City does not give notice in writing to the Contractor to resume work at a date within 90 days of the date fixed in the written notice to suspend, then the Contractor may abandon that portion of the work suspended and will be entitled to the estimates and payments for all work done on the portions abandoned, if any, plus 10% of the value of the work abandoned, to compensate for loss of overhead, plant expense, and anticipated profit.

## **Section 21 - Delays and the City's Right to Terminate Contract**

If the Contractor refuses or fails to prosecute the work, or any separate part of it, with the diligence required to insure completion, ready for operation, within the allowable number of consecutive calendar days specified plus extensions, or fails to complete the work within the required time, the City may, by written notice to the Contractor, terminate its right to proceed with the work or any part of the work as to which there has been delay. After providing the notice the City may take over the work and prosecute it to completion, by contract or otherwise, and the Contractor and its sureties shall be liable to the City for any excess cost to the City. If the Contractor's right to proceed is terminated, the City may take possession of and utilize in completing the work, any materials, appliances and plant as may be on the site of the work and useful for completing the work. The right of the Contractor to proceed shall not be terminated or the Contractor charged with liquidated damages where an extension of time is granted under Extension of Time - Section 14.

If the Contractor is adjudged a bankrupt, or if it makes a general assignment for the benefit of creditors, or if a receiver is appointed on account of its insolvency, or if it persistently or repeatedly refuses or fails except in cases for which extension of time is provided, to supply enough properly skilled workers or proper materials, or if it fails to make prompt payments to subcontractors or for material or labor, or persistently disregards laws, ordinances or the instructions of the Supervising Professional, or otherwise is guilty of a substantial violation of any provision of the Contract, then the City, upon the certificate of the Supervising Professional that sufficient cause exists to justify such action, may, without prejudice to any other right or remedy and after giving the Contractor 3 days written notice, terminate this Contract. The City may then take possession of the premises and of all materials, tools and appliances thereon and without prejudice to any other remedy it may have, make good the deficiencies or finish the work by whatever method it may deem expedient, and deduct the cost from the payment due the Contractor. The Contractor shall not be entitled to receive any further payment until the work is finished. If the expense of finishing the work, including compensation for additional managerial and administrative services exceeds the unpaid balance of the Contract Sum, the Contractor and its surety are liable to the City for any excess cost incurred. The expense incurred by the City, and the damage incurred through the Contractor's default, shall be certified by the Supervising Professional.

## **Section 22 - Contractor's Right to Terminate Contract**

If the work should be stopped under an order of any court, or other public authority, for a period of 3 months, through no act or fault of the Contractor or of anyone employed by it, then the Contractor may, upon 7 days written notice to the City, terminate this Contract and recover from the City payment for all acceptable work executed plus reasonable profit.

## **Section 23 - City's Right To Do Work**

If the Contractor should neglect to prosecute the work properly or fail to perform any provision of this Contract, the City, 3 days after giving written notice to the Contractor and its surety may, without prejudice to any other remedy the City may have, make good the deficiencies and may deduct the cost from the payment due to the Contractor.

## **Section 24 - Removal of Equipment and Supplies**

In case of termination of this Contract before completion, from any or no cause, the Contractor, if notified to do so by the City, shall promptly remove any part or all of its equipment and supplies from the property of the City, failing which the City shall have the right to remove the equipment and supplies at the expense of the Contractor.

The removed equipment and supplies may be stored by the City and, if all costs of removal and storage are not paid by the Contractor within 10 days of invoicing, the City upon 10 days written notice may sell the equipment and supplies at auction or private sale, and shall pay the Contractor the net proceeds after deducting all costs and expenses that should have been borne by the Contractor and after deducting all amounts claimed due by any lien holder of the equipment or supplies.

## **Section 25 - Responsibility for Work and Warranties**

The Contractor assumes full responsibility for any and all materials and equipment used in the construction of the work and may not make claims against the City for damages to materials and equipment from any cause except negligence or willful act of the City. Until its final acceptance, the Contractor shall be responsible for damage to or destruction of the project (except for any part covered by Partial Completion and Acceptance - Section 26). The Contractor shall make good all work damaged or destroyed before acceptance. All risk of loss remains with the Contractor until final acceptance of the work (Section 19) or partial acceptance (Section 26). The Contractor is advised to investigate obtaining its own builders risk insurance.

The Contractor shall guarantee the quality of the work for a period of one year. The Contractor shall also unconditionally guarantee the quality of all equipment and materials that are furnished and installed under the contract for a period of one year. At the end of one year after the Contractor's receipt of final payment, the complete work, including equipment and materials furnished and installed under the contract, shall be inspected by the Contractor and the Supervising Professional. Any defects shall be corrected by the Contractor at its expense as soon as practicable but in all cases within 60 days. Any defects that are identified prior to the end of one year shall also be inspected by the Contractor and the Supervising Professional and shall be corrected by the Contractor at its expense as soon as practicable but in all cases within 60 days. The Contractor shall assign all manufacturer or material supplier warranties to the City prior to final payment. The assignment shall not relieve the Contractor of its obligations under this paragraph to correct defects.



## **Section 26 - Partial Completion and Acceptance**

If at any time prior to the issuance of the final certificate referred to in Acceptance and Final Payment - Section 19, any portion of the permanent construction has been satisfactorily completed, and if the Supervising Professional determines that portion of the permanent construction is not required for the operations of the Contractor but is needed by the City, the Supervising Professional shall issue to the Contractor a certificate of partial completion, and immediately the City may take over and use the portion of the permanent construction described in the certificate, and exclude the Contractor from that portion.

The issuance of a certificate of partial completion shall not constitute an extension of the Contractor's time to complete the portion of the permanent construction to which it relates if the Contractor has failed to complete it in accordance with the terms of this Contract. The issuance of the certificate shall not release the Contractor or its sureties from any obligations under this Contract including bonds.

If prior use increases the cost of, or delays the work, the Contractor shall be entitled to extra compensation, or extension of time, or both, as the Supervising Professional may determine.

## **Section 27 - Payments Withheld Prior to Final Acceptance of Work**

The City may withhold or, on account of subsequently discovered evidence, nullify the whole or part of any certificate to the extent reasonably appropriate to protect the City from loss on account of:

- (1) Defective work not remedied;
- (2) Claims filed or reasonable evidence indicating probable filing of claims by other parties against the Contractor;
- (3) Failure of the Contractor to make payments properly to subcontractors or for material or labor;
- (4) Damage to another Contractor.

When the above grounds are removed or the Contractor provides a Surety Bond satisfactory to the City which will protect the City in the amount withheld, payment shall be made for amounts withheld under this section.

## **Section 28 - Contractor's Insurance**

- (1) The Contractor shall procure and maintain during the life of this Contract, including the guarantee period and during any warranty work, such insurance policies, including those set forth below, as will protect itself and the City from all claims for bodily injuries, death or property damage that may arise under this Contract; whether the act(s) or omission(s) giving rise to the claim were made by the Contractor, any subcontractor, or anyone employed by them directly or indirectly. Prior to commencement of any work under this contract, Contractor shall provide to the City documentation satisfactory to the City, through City-approved means (currently myCOI), demonstrating it has obtained the required policies and endorsements. The certificates of insurance endorsements and/or copies of

policy language shall document that the Contractor satisfies the following minimum requirements. Contractor shall add registration@mycoitracking.com to its safe sender's list so that it will receive necessary communication from myCOI. When requested, Contractor shall provide the same documentation for its subcontractor(s) (if any).

Required insurance policies include:

- (a) Worker's Compensation Insurance in accordance with all applicable state and federal statutes. Further, Employers Liability Coverage shall be obtained in the following minimum amounts:

Bodily Injury by Accident - \$500,000 each accident  
Bodily Injury by Disease - \$500,000 each employee  
Bodily Injury by Disease - \$500,000 each policy limit

- (b) Commercial General Liability Insurance equivalent to, as a minimum, Insurance Services Office form CG 00 01 04 13 or current equivalent. The City of Ann Arbor shall be named as an additional insured. There shall be no added exclusions or limiting endorsements specifically for the following coverages: Products and Completed Operations, Explosion, Collapse and Underground coverage or Pollution. Further there shall be no added exclusions or limiting endorsements that diminish the City's protections as an additional insured under the policy. The following minimum limits of liability are required:

\$1,000,000 Each occurrence as respect Bodily Injury Liability or Property Damage Liability, or both combined.  
\$2,000,000 Per Project General Aggregate  
\$1,000,000 Personal and Advertising Injury  
\$2,000,000 Products and Completed Operations Aggregate, which, notwithstanding anything to the contrary herein, shall be maintained for three years from the date the Project is completed.

- (c) Motor Vehicle Liability Insurance, including Michigan No-Fault Coverages, equivalent to, as a minimum, Insurance Services Office form CA 00 01 10 13 or current equivalent. Coverage shall include all owned vehicles, all non-owned vehicles and all hired vehicles. The City of Ann Arbor shall be named as an additional insured. There shall be no added exclusions or limiting endorsements that diminish the City's protections as an additional insured under the policy. Further, the limits of liability shall be \$1,000,000 for each occurrence as respects Bodily Injury Liability or Property Damage Liability, or both combined.

- (d) Umbrella/Excess Liability Insurance shall be provided to apply excess of the Commercial General Liability, Employers Liability and the Motor Vehicle coverage enumerated above, for each occurrence and for aggregate in the amount of \$1,000,000.

- (2) Insurance required under subsection (1)(b) and (1)(c) above shall be considered primary as respects any other valid or collectible insurance that the City may possess, including any self-insured retentions the City may have; and any other insurance the City does possess shall be considered excess insurance only and shall not be required to contribute

with this insurance. Further, the Contractor agrees to waive any right of recovery by its insurer against the City for any insurance listed herein.

- (3) Insurance companies and policy forms are subject to approval of the City Attorney, which approval shall not be unreasonably withheld. Documentation must provide and demonstrate an unconditional and un-qualified 30-day written notice of cancellation in favor of the City of Ann Arbor. Further, the documentation must explicitly state the following: (a) the policy number(s); name of insurance company(s); name and address of the agent(s) or authorized representative(s); name(s), email address(es), and address of insured; project name; policy expiration date; and specific coverage amounts; (b) any deductibles or self-insured retentions which may be approved by the City, in its sole discretion; (c) that the policy conforms to the requirements specified Contractor shall furnish the City with satisfactory certificates of insurance and endorsements prior to commencement of any work. Upon request, the Contractor shall provide within 30 days a copy of the policy(ies) and all required endorsements to the City. If any of the above coverages expire by their terms during the term of this Contract, the Contractor shall deliver proof of renewal and/or new policies and endorsements to the Administering Service Area/Unit at least ten days prior to the expiration date.
- (4) Any Insurance provider of Contractor shall be authorized to do business in the State of Michigan and shall carry and maintain a minimum rating assigned by A.M. Best & Company's Key Rating Guide of "A-" Overall and a minimum Financial Size Category of "V". Insurance policies and certificates issued by non-authorized insurance companies are not acceptable unless approved in writing by the City.
- (5) City reserves the right to require additional coverage and/or coverage amounts as may be included from time to time in the Detailed Specifications for the Project.
- (6) The provisions of General Condition 28 shall survive the expiration or earlier termination of this contract for any reason.

## **Section 29 - Surety Bonds**

Bonds will be required from the successful bidder as follows:

- (1) A Performance Bond to the City of Ann Arbor for the amount of the bid(s) accepted;
- (2) A Labor and Material Bond to the City of Ann Arbor for the amount of the bid(s) accepted.

Bonds shall be executed on forms supplied by the City in a manner and by a Surety Company authorized to transact business in Michigan and satisfactory to the City Attorney.

## **Section 30 - Damage Claims**

The Contractor shall be held responsible for all damages to property of the City or others, caused by or resulting from the negligence of the Contractor, its employees, or agents during the progress of or connected with the prosecution of the work, whether within the limits of the work or elsewhere. The Contractor must restore all property injured including sidewalks, curbing, sodding, pipes, conduit, sewers or other public or private property to not less than its original condition with new work.

## **Section 31 - Refusal to Obey Instructions**

If the Contractor refuses to obey the instructions of the Supervising Professional, the Supervising Professional shall withdraw inspection from the work, and no payments will be made for work performed thereafter nor may work be performed thereafter until the Supervising Professional shall have again authorized the work to proceed.

## **Section 32 - Assignment**

Neither party to the Contract shall assign the Contract without the written consent of the other. The Contractor may assign any monies due to it to a third party acceptable to the City.

## **Section 33 - Rights of Various Interests**

Whenever work being done by the City's forces or by other contractors is contiguous to work covered by this Contract, the respective rights of the various interests involved shall be established by the Supervising Professional, to secure the completion of the various portions of the work in general harmony.

The Contractor is responsible to coordinate all aspects of the work, including coordination of, and with, utility companies and other contractors whose work impacts this project.

## **Section 34 - Subcontracts**

The Contractor shall not award any work to any subcontractor without prior written approval of the City. The approval will not be given until the Contractor submits to the City a written statement concerning the proposed award to the subcontractor. The statement shall contain all information the City may require.

The Contractor shall be as fully responsible to the City for the acts and omissions of its subcontractors, and of persons either directly or indirectly employed by them, as it is for the acts and omissions of persons directly employed by it.

The Contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the work to bind subcontractors to the Contractor by the terms of the General Conditions and all other contract documents applicable to the work of the subcontractors and to give the Contractor the same power to terminate any subcontract that the City may exercise over the Contractor under any provision of the contract documents.

Nothing contained in the contract documents shall create any contractual relation between any subcontractor and the City.

## **Section 35 - Supervising Professional's Status**

The Supervising Professional has the right to inspect any or all work. The Supervising Professional has authority to stop the work whenever stoppage may be appropriate to insure the proper execution of the Contract. The Supervising Professional has the authority to reject all work and materials which do not conform to the Contract and to decide questions which arise in the execution of the work.

The Supervising Professional shall make all measurements and determinations of quantities. Those measurements and determinations are final and conclusive between the parties.

## **Section 36 - Supervising Professional's Decisions**

The Supervising Professional shall, within a reasonable time after their presentation to the Supervising Professional, make decisions in writing on all claims of the City or the Contractor and on all other matters relating to the execution and progress of the work or the interpretation of the contract documents.

## **Section 37 - Storing Materials and Supplies**

Materials and supplies may be stored at the site of the work at locations agreeable to the City unless specific exception is listed elsewhere in these documents. Ample way for foot traffic and drainage must be provided, and gutters must, at all times, be kept free from obstruction. Traffic on streets shall be interfered with as little as possible. The Contractor may not enter or occupy with agents, employees, tools, or material any private property without first obtaining written permission from its owner. A copy of the permission shall be furnished to the Supervising Professional.

## **Section 38 - Lands for Work**

The Contractor shall provide, at its own expense and without liability to the City, any additional land and access that may be required for temporary construction facilities or for storage of materials.

## **Section 39 - Cleaning Up**

The Contractor shall, as directed by the Supervising Professional, remove at its own expense from the City's property and from all public and private property all temporary structures, rubbish and waste materials resulting from its operations unless otherwise specifically approved, in writing, by the Supervising Professional.

## **Section 40 - Salvage**

The Supervising Professional may designate for salvage any materials from existing structures or underground services. Materials so designated remain City property and shall be transported or stored at a location as the Supervising Professional may direct.



## **Section 41 - Night, Saturday or Sunday Work**

No night or Sunday work (without prior written City approval) will be permitted except in the case of an emergency and then only to the extent absolutely necessary. The City may allow night work which, in the opinion of the Supervising Professional, can be satisfactorily performed at night. Night work is any work between 8:00 p.m. and 7:00 a.m. No Saturday work will be permitted unless the Contractor gives the Supervising Professional at least 48 hours but not more than 5 days notice of the Contractor's intention to work the upcoming Saturday.

## **Section 42 - Sales Taxes**

Under State law the City is exempt from the assessment of State Sales Tax on its direct purchases. Contractors who acquire materials, equipment, supplies, etc. for incorporation in City projects are not likewise exempt. State Law shall prevail. The Bidder shall familiarize itself with the State Law and prepare its Bid accordingly. No extra payment will be allowed under this Contract for failure of the Contractor to make proper allowance in this bid for taxes it must pay.

**Section 43**

**CONTRACTOR'S DECLARATION**

I hereby declare that I have not, during the period \_\_\_\_\_, 20\_\_\_\_, to \_\_\_\_\_, 20\_\_\_\_, performed any work, furnished any materials, sustained any loss, damage or delay, or otherwise done anything in addition to the regular items (or executed change orders) set forth in the Contract titled \_\_\_\_\_, for which I shall ask, demand, sue for, or claim compensation or extension of time from the City, except as I hereby make claim for additional compensation or extension of time as set forth on the attached itemized statement. I further declare that I have paid all payroll obligations related to this Contract that have become due during the above period and that all invoices related to this Contract received more than 30 days prior to this declaration have been paid in full except as listed below.

There is/is not (Contractor please circle one and strike one as appropriate) an itemized statement attached regarding a request for additional compensation or extension of time.

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Date

By \_\_\_\_\_  
(Signature)

Its \_\_\_\_\_  
(Title of Office)

Past due invoices, if any, are listed below.



## **STANDARD SPECIFICATIONS**

All work under this contract shall be performed in accordance with the Public Services Department Standard Specifications in effect at the date of availability of the contract documents stipulated in the Bid. All work under this Contract which is not included in these Standard Specifications, or which is performed using modifications to these Standard Specifications, shall be performed in accordance with the Detailed Specifications included in these contract documents.

Standard Specifications are available online:

<http://www.a2gov.org/departments/engineering/Pages/Engineering-and-Contractor-Resources.aspx>

## **DETAILED SPECIFICATIONS**



**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

**1 of 8**

**a. General.-** As detailed elsewhere in the Contract Documents and Drawings the work of this project is to be performed in a sensitive, valuable, natural area within the City of Ann Arbor (City). This Detailed Specification sets forth criteria that will be used by the City in determining if the Contractor has the necessary personnel, equipment, and experience to perform the work of this project.

**b. Documentation to be provided.-** The Contractor Qualifications detailed in this specification apply to the following items:

- Sewer Televising and Cleaning
- Cured-In-Place Pipe (CIPP) Lining
- Onsite Superintendent/Foreman

Contractor to complete the attached Reference Form and submit it as part of the bid submittal. **Not filling out the form or providing past experience may result in disqualification of the bid.** If subcontractors are to be used for any of the above items, they are to fill out a separate form.

The projects and total footage claimed to have been performed by the Contractor shall be supported by owner references. The Contractor shall submit information to document their experience.

1. **Sewer Televising and Cleaning.-** The Contractor performing the sewer televising and cleaning shall be fully qualified, experienced, and equipped to complete this work as shown on the Drawings and as indicated in the specifications. The Contractor shall have cleaned and televised a minimum of 100,000 lineal feet of sanitary sewers equal to or greater than 36 inches in diameter with lengths of the individual segments over 1,000 feet each in the past 7 years. The Contractor shall also have cleaned and televised at least 3 sanitary siphon sewers equal to or greater than 24 inches in diameter in the past 7 years. The Contractor shall have also worked a minimum of three projects in similar environmentally sensitive areas in the past 7 years. The Contractor shall provide detailed description of these environmentally sensitive projects and methods used to mitigate the work upon request of the Engineer.

2. **Sewer CIPP Lining.-** The Contractor performing the CIPP lining work shall be fully qualified, experienced, and equipped to complete this work expeditiously and in a satisfactory manner and shall be certified and/or licensed as an installer by the CIPP manufacturer. The Contractor shall have installed a minimum of 10,000 lineal feet of CIPP in sanitary sewers equal to or greater than 36 inches in diameter in the past 7 years and over 1,000,000 feet of lining in general over the past 7 years. Installations must have been in northern states and/or Canada. Contractor must also provide safety record for the past 7 years.

3. **Onsite Superintendent/Foreman.-** The full-time, onsite superintendent/ foreman shall be responsible for supervising all the work onsite, including but not limited to, the diversion of sanitary flow, bypass pumping, sewer televising and cleaning, and sewer CIPP lining, shall have supervised a minimum of 3 projects of this complexity in the past 7 years and shall have installed a minimum of 10,000 lineal feet of CIPP in sanitary sewers greater than 24 inches in diameter in the past 7 years.

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**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

2 of 8

**1. Sewer Televising and Cleaning References**  
(Must be completed and submitted with Bid for consideration)

**List sewer cleaning and televising projects of sewers equal to or greater than 36 inches in size that total (together) over 100,000 lineal feet with the lengths of the individual segments over 1,000 feet in the past 7 years and provide references. Also, list a minimum of 3 projects that include the cleaning and televising of the sanitary siphon sewers equal to or greater than 24 inches in size in the past 7 years and provide references. The Contractor shall have also worked a minimum of three projects in similar environmentally sensitive areas in the past 7 years.**

Firm's Name: \_\_\_\_\_

Role on Project: \_\_\_\_\_

**1.1.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**1.2.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**1.3.** Client's Name: \_\_\_\_\_

**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

**3 of 8**

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**1.4.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**1.5.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**1.6.** Client's Name: \_\_\_\_\_

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Address: \_\_\_\_\_

**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

**4 of 8**

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**1.7.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

5 of 8

**2. Sewer CIPP Lining References**

(Must be completed and submitted with Bid for consideration)

**List sewer CIPP lining projects of sewers equal to or greater than 36 inches in diameter that total (together) over 10,000 lineal feet in northern states and/or Canada in the past 7 years and over 1,000,000 feet of lining in general over the past 7 years, and provide references. Also, provide safety record for the past 7 years as an attachment.**

Firm's Name: \_\_\_\_\_

Role on Project: \_\_\_\_\_

**2.1.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**2.2.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**2.3.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

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**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

**6 of 8**

Type of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**2.4.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

7 of 8

**3. Onsite Superintendent/Foreman**

(Must be completed and submitted with Bid for consideration)

**List name of onsite superintendent/foreman and list a minimum of 3 projects of similar complexity totaling 10,000 lineal feet of CIPP lining in sanitary sewers greater than 24 inches in diameter that they have supervised in the past 7 years and provide references.**

Superintendent/Foreman Name: \_\_\_\_\_

**3.1.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**3.2.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**3.3.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

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**DETAILED SPECIFICATION  
FOR  
CONTRACTOR QUALIFICATIONS**

**8 of 8**

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Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**3.4.** Client's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Type of Work: \_\_\_\_\_

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Year Work Performed: \_\_\_\_\_ Work Amount (\$): \_\_\_\_\_

**DETAILED SPECIFICATION  
FOR  
PROJECT SCHEDULE**

**1 of 2**

**DESCRIPTION**

**Examination of Plans, Specifications, and Work Site:** Bidders shall carefully examine the Bid Form, plans, specifications and the work site until the Bidder is satisfied as to all local conditions affecting the contract and the detailed requirements of construction. The submission of the bid shall be considered prima facie evidence that the Bidder has made such examination and is satisfied as to the conditions to be encountered in performing the work and all requirements of the contract.

The entire work under this Contract shall be completed in accordance with, and subject to, the scheduling requirements as outlined below, and all other requirements of the Contract Documents.

1. The Contractor shall begin the work of this project on or before **January 2, 2023**, and only upon receipt of the fully executed Contract and Notice to Proceed. Appropriate time extensions shall be granted if the Notice to Proceed is delayed beyond this date.
2. The entirety of work under this Contract, including but not limited to sanitary sewer inspection, cleaning, televising, and rehabilitation (cured-in-place pipe [CIPP] lining); manhole rehabilitation; the removal of any and all traffic control devices; and the installation/maintenance of the needed temporary soil erosion and sedimentation control devices, shall be completed by the Final Completion date of **April 30, 2023**.

The Contractor is expected to be furnished with two (2) copies of the Contract, for his/her execution, on or before **November 15, 2022**. The Contractor shall properly execute both copies of the Contract and return them, with the required Bonds and Insurance Certificate, to the City within ten (10) days. The Contractor shall not begin the work before the applicable date(s) as describes herein without approval from the Project Engineer, and in no case before the receipt of the fully executed Contract. City Council approval is expected on **December 19, 2022**.

Time is of the essence in the performance of the work of this contract. The Contractor is expected to mobilize sufficient personnel and equipment and work throughout all authorized hours to complete the project within the specified time/date of this Contract. Should the Contractor demonstrate that work must occur on Sundays in order to maintain the project schedule, they may do so between the hours of 9:00 a.m. and 5:00 p.m. with prior approval from the City. The Contractor will submit authorization requests for any Sunday work a minimum of three working days in advance of the day of the proposed work. There will be no additional compensation due to the Contractor for work performed on Sundays.

Prior to the start of any construction, the Contractor shall submit a detailed progress schedule of work for the Engineer's review and approval. Work shall not start until a schedule is approved in writing by the Engineer. The Contractor shall update the approved work schedule upon request by the Engineer and present it to the Engineer within seven days of said request.

The City's decision to delete locations, add locations, change the limits of construction limits at any locations, or, the City's contribution to a delay of the construction at any one location shall not entitle the Contractor to receive additional compensation for work on any other location(s), nor shall it relieve the Contractor of any responsibilities for completion of work on any other location(s).

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**DETAILED SPECIFICATION  
FOR  
PROJECT SCHEDULE**

**2 of 2**

The Engineer may delay or stop the work due to threatening weather conditions. The Contractor shall not be compensated for unused materials or downtime due to rain, or the threat of rain. The Contractor is solely responsible for repairing all damages to the work and to the site, including road infrastructures, road subgrades, and any adjacent properties, which are caused as a result of working in the rain.

The Contractor shall not work in the dark except as approved by the Engineer and only when lighting for night work is provided as detailed elsewhere in this contract. The Engineer may stop the work, or may require the Contractor to defer certain work to another day, if, in the Engineer's opinion, the work cannot be completed within the remaining daylight hours, or if inadequate daylight is present to either properly perform or inspect the work. The Contractor will not be compensated for unused materials or downtime, when delays or work stoppages are directed by the Engineer for darkness and/or inadequate remaining daylight reasons. The Contractor is solely responsible for repairing all damages to the work and to the site, including road infrastructures, road subgrades, and any adjacent properties, which are caused as a result of working in the dark.

No work shall be performed or lane closures permitted during the holiday periods, as defined by the Engineer.

Failure to complete all work as specified herein within the times specified herein, including time extensions granted thereto as determined by the Engineer, shall entitle the City to deduct from the payments due the Contractor, **\$1,000.00** in Liquidated Damages, and not as a penalty, for delays in the completion of the work for each and every calendar day beyond any "Complete Work" date for each location, and beyond the overall project completion date as required by this Detailed Specification.

Liquidated Damages will be assessed until the required work is completed in the current construction season. If, with the Engineer's approval, work is extended beyond seasonal limitations, the assessment of Liquidated Damages will be discontinued until the work is resumed in the following construction season.

If the work required by this construction contract is not completed by the specified date(s) including any extensions of time granted thereto, at the sole discretion of the City of Ann Arbor, this Contract may be terminated with no additional compensation due to the Contractor, and the Contractor may be forbidden to bid on future City of Ann Arbor projects for a period of at least three (3) years. If the Engineer elects to terminate the Contract, contract items paid for on a Lump Sum basis shall be paid up to a maximum percentage equal to the percentage of the contract work that has been completed.

High Level Trunkline Sanitary Sewer Lining Ph. 2

File # 2022-024 RFP # 22-70

FACILITYID	CIPP Segment (--- to ---)	LOCATION	Length	MATERIAL	DIAMETER	AVERAGE DEPTHS
74-69501	71-70703 to 71-70705	Crosslot from S. Ashley St. to S. First St.	28	RC	30	12
74-69503	71-70705 to 71-70481		391	RC	30	13
74-71023	71-70481 to 71-70837		156	RC	30	15
74-72966	71-70837 to 71-70480		166	RC	30	15
74-70717	71-70480 to 71-70647		44	RC		
74-70880	71-70647 to 71-70478	S. First St	289	RC	30	15
74-70715	71-70478 to 71-70464	S. First and W. Liberty	125	RC	30	15
74-70701	71-70464 to 71-70465		108	RC	30	16
74-70702	71-70465 to 71-70466	S. First St. between W. Liberty St. & W. Washington St.	364	RC	30	10
74-70703	71-70466 to 71-70467		41	RC	30	
74-70704	71-70467 to 71-70468	S. First St. between W. Huron St. & W. Washington St.	317	RC	30	
74-70705	71-70468 to 71-70470	S. First St. between W. Huron St. & W. Ann St.	380	RC	30	16
74-70707	71-70470 to 71-70536	S. First St. between Miller Ave. & W. Ann St.	291	RC	30	17
74-61349	71-70536 to 71-70541		21	RC	30	16
74-71619	71-71422 to 71-71423	E. Hoover Ave.	372	RC	30	13
74-71620	71-71423 to 71-71424		370	RC	30	13
74-71621	71-71424 to 71-71425		249	RC	30	14
74-71756	71-71425 to 71-71554	S. State St. and Arch St.	129	RC	30	15
74-71615	71-71554 to 71-71419		121	RC	30	14
74-71686	71-71419 to 71-71491		332	RC	30	16
74-70719	71-70482 to 71-70512	Xlot between W. Liberty St. and S. First St	266	VT	15	15
74-61459	71-70482 to 71-70510 (69-54293 Bulk)	S. Forst St. between W. Liberty St. and W. William St.	238	VT	15	14
74-72968	71-70510 to 71-72349	Xlot between W. William St. and W. Jefferson St.	609	VT	15	12
74-71601	71-70704 to 71-71405	Xlot between W. Jefferson St. and S. Ashley St.	539	VT	15	8
74-71602	71-71405 to 71-71406	S. Main St. and E. Madison St.	328	VT	15	10



**DETAILED SPECIFICATION  
FOR  
COORDINATION AND COOPERATION WITH OTHERS  
AND  
WORK BY OTHERS**

**1 of 1**

The Contractor is reminded as to the requirements of article 104.07 of the 2020 edition of the MDOT Standard Specifications, "Cooperation by the Contractor."

The Contractor shall directly coordinate his/her work with individual City Departments/Divisions/Units.

No additional compensation will be paid to the Contractor, and no adjustments to contract unit prices will be made, due to delays and/or the failure of others in the performance of their work, nor for delays due to the encountering of existing utilities that are, or are not, shown on the Plans.

The following Utility Owners, and others not listed specifically, may have overhead and/or underground facilities located within the Right-of-Way/Public Easements:

The City of Ann Arbor  
University of Michigan (UM)  
Michigan Department of Transportation (MDOT)  
AT&T  
Comcast  
DTE Energy - Detroit Edison Company (Edison)  
DTE Energy - Michigan Consolidated Gas Company (Michcon)  
Fiber Link Inc.  
Light Core (Century Tel)  
MCI Communications  
Windstream Communications

**On all projects:**

**"3 Working Days before you Dig - Call MISS DIG - Toll Free" Phone No. 1-800-482-7171.**

The Owners of public or private utilities which will not interfere with the completed project and which do not present a hazard to the public or an extraordinary hazard to the Contractor's operations will not be required to move their facilities on or from the street right-of-way.

During the life of this contract, other public authorities and utility companies may be performing work within or adjacent to the project limits, including, but not limited to; construction of adjacent projects, underground utility work, permanent signing and traffic signals work, traffic control improvements, street maintenance and snow removal, etc. The Contractor shall cooperate and coordinate construction activities with these agencies in accordance with Article 104.08 of the 2020 edition of the MDOT Standard Specifications for Construction.

Stoppages created solely by the operations of the utility companies which delay utility revisions on any portion of this project may be considered as a basis of claim for an extension of time for project completion.

Costs for this work will not be paid for separately, but shall be included in the bid price of the Contract Item "General Conditions."

**DETAILED SPECIFICATION  
FOR  
MAINTENANCE OF TRAFFIC**

**1 of 2**

**DESCRIPTION**

Traffic shall be maintained in accordance with the City of Ann Arbor Public Services Department Standard Specifications and as specified in Sections 104.11, 812, and 922 of the Michigan Department of Transportation (MDOT) 2020 Standard Specifications for Construction, the 2011 Michigan Manual of Uniform Traffic Control Devices (MMUTCD), and as described herein.

The Contractor shall furnish, erect, maintain and, upon completion of the work, remove all traffic control devices and barricade lights as required on the project for the safety and protection of local traffic. This includes, but is not limited to, temporary advance, regulatory, and warning signs; barricades and channelizing devices at intersections and on streets where traffic is to be maintained; barricades at the ends of the project and at right-of-way lines of intersecting streets, and traffic control devices for moving construction operations.

**MATERIALS**

The materials and equipment shall meet the requirements specified in the corresponding sections of the MDOT 2020 Standard Specifications for Construction and the 2011 MMUTCD.

**Maintenance of Local Traffic**

Unless otherwise indicated on the plans, all side roads shall not be closed to through traffic except during construction operations of short duration and only upon written approval of the Engineer.

Local access shall be maintained at all times for emergency vehicles, refuse pick-up, mail delivery, school buses, and ingress/egress to public and private properties.

Contractor must accommodate the safe access to the residential buildings and businesses located within construction area.

Driveways shall not be blocked for extended periods of time unless arrangements can be made with the affected property owner(s). When it becomes necessary to temporarily block driveways, the Contractor shall notify the affected property owners in advance to coordinate the work and allow sufficient time for vehicles to vacate from properties. It may be necessary to allow for vehicles to temporarily park in the roadway at locations that do not interfere with the Contractor's work. During these periods the owners of the respective vehicles must be available to, with proper notice, move their vehicles if it becomes necessary to accommodate the work.

At times, when it becomes necessary to temporarily obstruct local traffic during the performance of the work, the Contractor shall provide traffic regulator control in conformance with Chapter 6E of the MMUTCD, Sections 6E.01 thru 6E.08. A minimum of two traffic regulators are required. The cost of traffic regulator control shall be included in the contract pay item "Minor Traffic Control, Modified, Maximum \$100,000".

A lane-closure permit shall be obtained by the Contractor from the City of Ann Arbor Engineering Department at least 48 hours in advance of any proposed lane or street closing.

**DETAILED SPECIFICATION  
FOR  
MAINTENANCE OF TRAFFIC**

**2 of 2**

No lane closures shall be permitted during the holiday periods, as defined by the Engineer.

The hours of work on all Local streets are 7:00 a.m. to 8:00 p.m., Monday through Saturday, or as specified on the lane-closure permit. No equipment will be allowed in the street before or after these hours. Local streets may only be closed to through traffic (local access only) with written authorization of the Engineer. Work must be completed each day such that all streets are re-opened to through traffic by 8:00 p.m. unless otherwise specified, directed, or authorized in writing by the Engineer. All major changes in traffic control shall be made either between 9:30 a.m. and 3:30 p.m. or between 7:00 p.m. and 6:30 a.m. in order to minimize interference with rush-hour traffic. All traffic controls must be in-place and ready for traffic each day by 6:30 a.m. and 3:30 p.m.

The Contractor shall temporarily cover conflicting traffic and/or parking signs when directed by the Engineer.

The Contractor shall use quantities of dust palliative, maintenance aggregate, and cold patching/HMA mixtures for use as temporary base, surfacing, and dust control at utility crossings, side roads and driveways (wherever required to maintain traffic), and where directed by the Engineer to maintain local access. The cost for the use of dust palliative, maintenance aggregate, cold patch and/or hot mix asphalt 36A mixture, as required and directed by the Engineer for maintenance of traffic and local access, shall be included in contract pay item "General Conditions," and it will not be paid for separately.

The work of maintaining and relocating existing warning, regulatory and/or guide signs; and of removing, salvaging and reinstalling existing signs and supports is included in the bid price for the contract pay item "Minor Traffic Control, Modified, Maximum \$ 100,000".

Mailboxes and newspaper boxes that are in the way of the construction shall be removed and reset immediately in a temporary location approved by the Engineer. Mail and paper delivery shall not be interrupted during the construction. Upon completion of the construction, all mailboxes and newspaper boxes, including their supports, shall be repositioned in their permanent locations as approved by the Engineer. This work shall be included the contract unit price for the contract pay item "General Conditions," and it will not be paid for separately.

The Contractor shall perform the work of this Contract while maintaining traffic in accordance with the Contract Documents as specified herein. No traffic shall be allowed on newly placed asphalt surfaces until rolling has been satisfactorily completed and the surface has cooled sufficiently to prevent damage from traffic. This is to be accomplished by flag persons and by relocating traffic control devices to prevent traffic from entering the work area until such time that it can be safely maintained without damaging the new construction. The Contractor shall provide traffic regulators in sufficient number to maintain traffic as described herein, and to keep traffic off sections being surfaced, and provide for safe travel at all times as directed by the Engineer.

The Contractor shall furnish, erect, maintain, and upon completion of the work, remove any and all traffic control devices utilized on the project.

Each pressure distributor, paver and roller shall be equipped with at least one approved flasher light which shall be mounted on the equipment so as to give a warning signal ahead and behind.

**DETAILED SPECIFICATION  
FOR  
CONSTRUCTION SEQUENCING**

**1 of 1**

The Contractor must submit a detailed progress schedule at the Pre-construction meeting which is to be approved by the Engineer. Unless an alternative sequence is requested by the Contractor and approved in writing by the Engineer, the work shall be performed in the order as shown on the schedule. This outline does not detail the full range of materials and processes needed to complete the work under this Contract. At each location the Contractor shall:

1. Install the required temporary traffic control devices in accordance with the construction plans, as detailed in the specifications, and as directed by the Engineer.
2. Install the soil erosion control measures in accordance with the plans and as directed by the Engineer.
3. Obtain approval for, set up, and activate by-pass pumping.
4. Clean & videotape sewer to be lined.
5. Construct the proposed sewer lining. The new sewer shall be tested in accordance with the plans and specifications.
6. After all the new sewer has passed the required testing, the contractor shall open all service leads. Service leads shall not be out of service for more than 12 hours.
7. Deactivate and breakdown by-pass pumping equipment.
8. Perform final cleanup and restoration in accordance with the Contract documents.
9. Remove temporary soil erosion and sedimentation control measures.
10. Remove all temporary traffic control devices.

Reference the plans for additional construction sequencing requirements.

**DETAILED SPECIFICATION  
FOR  
HOURS OF WORK**

**a. General Restrictions.- Hours** of work shall be as stated in the Ann Arbor City Code Title IX, Chapter 119, Page 9.363, Monday through Saturday, between the hours of 7:00 a.m. and 8:00 p.m.

**b. Exceptions.- During** installation of the cured-in-place pipe (CIPP) lining, the Contractor may choose, in some cases, to perform nighttime work to facilitate construction during the inversion and curing processes. Additional requirements regarding this work are contained in Detailed Specification “CIPP Sewer Lining” and elsewhere in the Contract Documents. The Contractor shall include this work in their progress schedule, notify, and submit a request to the Engineer for permission to perform the nighttime CIPP work a minimum of 5 working days prior to beginning the work.

Maintenance of the sewer flow control may also require working outside the allowable hours of work (“off-hour” work). The Contractor shall provide anticipated off-hour work as part of their Sewer Flow Control Plan submittal(s) as contained in the Detailed Specification for “Sewer Flow Control.”

Additional work restrictions are contained in the Detailed Specifications for “Project Schedule,” “Maintenance of Traffic,” “Working Space,” “Construction Sequencing,” and elsewhere in the Contract Documents. These work restrictions shall take precedence over the General Restrictions and Exceptions listed above.

The Contractor shall only perform work at night or on Sundays as required by the Contract Documents, unless there is a special need and the work is approved by the Engineer. All requests to work during off-hours shall be included in the Contractor’s progress schedule and submitted to the Engineer for approval a minimum of 5 working days prior to beginning the work.

**c. Noise Control.** - All noise generated by construction activities shall not exceed 71 decibels (dBA) beyond the property line of the property on which the work is being conducted between 7:00 a.m. and 8:00 p.m., Monday through Saturday. The Contractor shall provide screening, noise absorption, and level II sound attenuation as required on equipment to meet the noise limitations set herein. Any “off-hour” work will require a temporary exemption from the City of Ann Arbor City Administrator. A temporary exemption may be granted in accordance with each respective entities’ code of ordinance.

**d. Method of Payment.-** The costs of night work, whether required by the Contract Documents or requested by the Contractor, shall not be paid for separately, but shall be considered included in the cost of the affected contract pay items.

**DETAILED SPECIFICATION  
FOR  
WORKING IN THE RAIN**

Portions of the work to be performed under this contract are weather sensitive. Contractor shall be responsible for coordinating and scheduling their work in anticipation of the weather.

Sewer flow control must cease during wet weather conditions. Wet weather conditions are as defined in Detailed Specification "Sewer Flow Control."

In the event of a wet weather event, Contractor shall remove plugs installed for sanitary flow diversion. Plugs shall be reinstalled upon cessation of the wet weather event and as approved by the Engineer.

The Contractor shall not be compensated for the time and/or effort spent removing the temporary flow diversion plugs and the lateral bypass pumping system or for unused materials or downtime caused as a result of a wet weather event. The Contractor is solely responsible for repairing all damage to the work and to the site, including road infrastructure, road subgrades, underground utilities, any adjacent properties, and the like, which are damaged as a result of working in the rain or working in areas that are wet from recent precipitation.

The only exception to the above is as indicated in Detailed Specification "Extension of Time, Additional Compensation."

The costs of complying with this requirement shall not be paid for separately but shall be considered included in the cost of the affected contract pay items.



**DETAILED SPECIFICATION  
FOR  
EXTENSION OF TIME, ADDITIONAL COMPENSATION**

The Contractor shall notify the Engineer of their intent to submit a claim for additional compensation or an extension of time in accordance with the requirements of Section 104.10 of the 2020 edition of the Michigan Department of Transportation (MDOT) Standard Specifications for Construction. Failure to do so may be a basis for not approving the request for additional compensation or extension of time. The notification will allow the Engineer an opportunity to influence, keep records, and monitor the work.

Extensions of time will not be authorized due to delays caused by, or stemming from, the weather for the period between November 14th and April 16th unless any of the following conditions are present:

1. Air temperature (as measured from a thermometer provided, maintained, and installed by the Contractor in a location on the worksite, as mutually agreed upon between the Contractor and the Engineer) is below 15°F for a period of time longer than 48 consecutive hours.
2. Accumulations of snow in excess of 12 inches occur in any 24 hour period.
3. Freezing rain in excess of 1/4-inch occur in any 24 hour period.
4. Wet weather event, as defined in Detailed Specification “Sewer Flow Control” requiring the temporary removal of flow diversion plugs and lateral bypass pumping system.

Should the above mentioned weather conditions occur, and the Contractor requests an extension of contract time, the time extension shall only be for the realized delay to the controlling work operation.

The above weather delays shall not be considered as a basis for additional compensation on this project. The only exception shall be that if the temporary removal of the flow diversion plugs and lateral bypass pumping system occurred after the sewers had been cleaned, televised, prepped for lining, and approved by the Engineer for lining before the sewers were lined. In such an event, the Contractor may request compensation for the re-cleaning and re-televising of the affected pipes only. The re-cleaning must first be approved by the Engineer prior to the work beginning. No compensation shall be provided for the removal and re-installation of the plugs.

In addition, if delays resulting from air temperature, snow accumulation, and/or freezing rain occur and the Contractor has their bypass pumping system in place and operational, the Contractor shall still be responsible to continuously protect and maintain in operation the complete sewer flow control system. Expenses related to maintaining the bypass pumping system shall not be considered to be additional costs or extra expenses during an authorized extension of time due to these weather-related time extensions.

The Contractor shall anticipate underground utility complications arising from the proposed utility work, unknown and/or fragile utilities, and utilities requiring investigation and or relocation. These utilities may be shown on the Drawings, correctly or incorrectly, or not at all, and may delay a controlling operation.

Additional compensation is defined as additional work, extra work, upward unit price adjustments, payments for down time, and the like.

**DETAILED SPECIFICATION  
FOR  
ITEM #200 – GENERAL CONDITIONS, MODIFIED, MAXIMUM \$100,000**

**1 of 2**

**DESCRIPTION**

This item shall include all work described and required by the Plans and Specifications for which no item of work is listed in the Bid Form, including but not limited to:

- Scheduling and organization of all work, subcontractors, suppliers, testing, inspection, surveying, and staking
- Coordination of, and cooperation with, other contractors, agencies, departments, and utilities
- Protection and maintenance of Utilities
- Placing, maintaining, and removing all soil erosion and sedimentation controls, including stone inlets filers (as shown on project plants)
- Maintaining drainage
- Maintaining driveways drive openings, sidewalks, bike paths, mail deliveries, and solid waste/recycle pick-ups. This includes the placement and maintenance of gravel in driveway openings as directed by the Engineer
- Storing all materials and equipment off lawn areas
- Temporary relocation and final replacement/re-setting of mailboxes
- Site clean-up
- Coordination efforts to furnish various HMA mixtures as directed by the Engineer
- Coordination efforts to furnish and operate various-size vehicles/equipment as directed by the Engineer
- Furnishing and operating vacuum-type street cleaning equipment a minimum of once per week or more frequently as directed by the Engineer
- Furnishing and operating vacuum-type utility structure cleaning equipment
- Furnishing and operating both vibratory plate and pneumatic-type (“pogo-stick”) compactors
- Furnishing and operating a backhoe during all work activities
- Furnishing and operating a jackhammer and air compressor during all work activities
- Noise and dust control
- Mobilization(s) and demobilization(s)
- Furnishing submittals and certifications for materials and supplies
- Disposing of excavated materials and debris - The Contractor shall dispose of, at the Contractor’s expense, all excavated material. Costs for this work will not be paid for separately.
- All miscellaneous and incidental items such as overhead, insurance, and permits.
- Meeting all requirements relating to Debarment Certification, Davis Bacon Act, and Disadvantaged Business Enterprise, and providing the necessary documentation.

Data pertaining to existing soil borings and pavement sections which are included in Appendix B, of these Contract Documents are provided to help the Engineer and Contractor determine the soil conditions existing within the construction area. The City in no way guarantees existing conditions to be the same as shown in the data. The Contractor is solely responsible for any and all conclusions he/she may draw from the data.

Quantities as given are approximate and are estimated for bidding purposes. Quantities are not guaranteed and may vary by any amount. While it is the City's intent to complete the project substantially as drawn and specified herein, quantities may be changed or reduced to zero for cost savings or other reasons. **The**

City reserves the right to change the quantities, and no adjustment in unit price will be made for any change in any quantity.

**DETAILED SPECIFICATION  
FOR  
ITEM #200 – GENERAL CONDITIONS, MODIFIED, MAXIMUM \$100,000**

**2 of 2**

**MEASUREMENT AND PAYMENT**

This item of work will be paid for on a pro rata basis at the time of each progress payment. Measurement will be based on the ratio between work completed during the payment period and the total contract amount. When all of the work of this Contract has been completed, the measurement of this item shall be 1.0 Lump Sum, minus any deductions incurred for inadequate performance as described herein. This amount will not be increased for any reason, including extensions of time, extras, and/or additional work.

The completed work as measured for this item of work will be paid for at the Contract Unit Price for the following Contract (Pay) Item:

**PAY ITEM**

**PAY UNIT**

General Conditions, Modified, Maximum \$100,000

Lump Sum

The unit price for this item of work shall include all labor, material, and equipment costs to perform all the work specified in the Standard Specifications and as modified by this Detailed Specification.

**DETAILED SPECIFICATION  
FOR  
ITEM #201 - PROJECT SUPERVISION, MODIFIED, MAXIMUM \$50,000**

1 of 3

**DESCRIPTION**

The Contractor shall designate a full-time Project Supervisor to act as the Contractor's agent/representative, and to be responsible for scheduling and coordination of all subcontractors, suppliers, other governmental agencies, and all public and private utility companies.

The Project Supervisor shall not be an active crew member of the Contractor, shall not be an active member or employee of any subcontractor's work force, and shall not perform general or specialized labor tasks.

**The Project Supervisor shall work exclusively on this project, and shall put forth his/her full effort into the organization and coordination of the work of this project.**

Prior to the pre-construction meeting, the Contractor shall designate a proposed Project Supervisor by name, and shall furnish the City with a current, thorough, detailed summary of the proposed Project Supervisor's work history, outlining all previous supervisory experience on projects of a similar size and nature. The detailed work history shall include personal and professional references (names and phone numbers) of persons (previous owners or agents) who can attest to the qualifications and work history of the proposed Project Supervisor. Proposed candidates for Project Supervisor shall have a demonstrated ability to work harmoniously with the City, the public, subcontractors, and all other parties typically involved with work of this nature. The Supervising Professional will have the authority to reject a proposed Project Supervisor whom he/she considers unqualified.

The Project Supervisor shall be available 24 hours-per-day to provide proper supervision, coordination and scheduling of the project for the duration of the Contract. The Contractor shall furnish the City with telephone numbers of the Project Supervisor in order to provide 24 hour-per-day access during business and non-business hours, including weekends and holidays.

The Project Supervisor shall be equipped by the Contractor with a mobile telephone to provide the City with 24 hour-per-day access to him/her during daily construction activities, during transit to and from the construction site, and during all non-business hours including weekends and holidays.

The Project Supervisor shall be equipped with assistants as necessary to provide project supervision as specified herein, and in accordance with the Contract.

**DUTIES AND RESPONSIBILITIES**

The Project Supervisor work harmoniously with the City, the public, subcontractors, and all other parties typically involved with work of this nature.

The Project Supervisor shall have a thorough, detailed understanding and working knowledge of all construction practices and methods specified elsewhere herein, as well as the handling, placement, testing and inspection of aggregates, aggregate products, HMA concrete, and Portland cement concrete materials.

The Project Supervisor shall be responsible for all of the work of all of the Contractor's, subcontractors' and suppliers' work forces.

**DETAILED SPECIFICATION  
FOR  
ITEM #201 - PROJECT SUPERVISION, MODIFIED, MAXIMUM \$50,000**

**2 of 3**

The Project Supervisor shall be responsible for proper and adequate maintenance (emissions, safety, and general operation) of all of the Contractor's, subcontractors' and suppliers' equipment and vehicles.

The Project Supervisor shall be responsible for the legal, proper and safe parking/storage of all of the Contractor's, subcontractors' and suppliers' equipment, work vehicles, and employee's vehicles.

The Project Supervisor shall schedule and coordinate the work of all parties involved in the project, including utility companies, testing agencies, governmental agencies, all City departments (such as Utilities and Transportation), and City inspectors.

The Project Supervisor shall coordinate and schedule the work of any independent survey crews that may be retained by the City to witness and reset existing and new geographic/benchmark monuments. Failure to have existing monuments witnessed and reset may result in delays to the Contractor's work. Costs for such delays will be the Contractor's sole responsibility.

The Project Supervisor shall coordinate and schedule both testing inspectors and City inspectors in a timely manner, to assure proper and timely testing and inspection of the work.

The Project Supervisor shall review the Inspector's Daily Reports (IDRs) for accuracy and shall sign all IDRs on a daily basis as the representative of the Contractor. Items to be reviewed include descriptions, locations and measurements of quantities of work performed, workforce, equipment, and weather. The Project Supervisor shall also be responsible for its subcontractors' review and initialing of IDRs containing work items performed by each respective subcontractors.

The Project Supervisor shall submit to the Engineer, an updated, detailed schedule of the proposed work on a weekly basis, and an update of all proposed changes on a daily basis, all in accordance with the Detailed Specification for Project Schedule contained elsewhere herein.

The Project Supervisor shall schedule and chair a weekly progress meeting with the Engineer and all subcontractors to discuss the work. Upon the completion of each meeting, the Project Supervisor shall prepare and distribute, to all present, a written summary of the meeting's minutes. Those in attendance shall review the minutes and, if necessary, comment on any deficiencies or errors prior to or at the next scheduled progress meeting.

**ADDITIONAL PERFORMANCE REQUIREMENTS**

If, in the sole opinion of the Supervising Professional, the Project Supervisor is not adequately performing the duties as outlined in this Detailed Specification, the following system of notices will be given to the contractor with the associated penalties:

First Notice – A warning will be issued in writing to the contractor detailing the deficiencies in the Project Supervision. The contractor must respond within 7 calendar days in writing with a plan to correct the stated deficiencies. Failure to respond within 7 calendar days will result in the issuing of a second notice.

**DETAILED SPECIFICATION  
FOR  
ITEM #201 - PROJECT SUPERVISION, MODIFIED, MAXIMUM \$35,000**

**3 of 3**

Second Notice – A second warning will be issued in writing to the contractor further detailing the deficiencies in the Project Supervision. The contractor must respond within 7 calendar days in writing with a plan to correct the stated deficiencies. Failure to respond within 7 calendar days will result in the issuing of a third notice. A deduction of 10% will be made from the original Project Supervision contract amount. At this time, the City reserves the right to meet with personnel with the necessary authority within the Contractor’s organization to discuss the deficiencies in the Project Supervision.

Third Notice – An additional deduction of 25% will be made from the original Project Supervision contract amount, and the Project Supervisor shall be removed from the project, and replaced immediately with another individual to be approved by the Supervising Professional.

Should, in the sole opinion of the Supervising Professional, the Project Supervisor fail to perform his/her duties and responsibilities as described herein to such a degree that the successful completion of the project is put in jeopardy, the above system of notices may be foregone, and the Contractor shall immediately replace the Project Supervisor upon receipt of written notice. Failure to provide adequate project supervision, as determined by the Engineer, shall be considered basis for the Supervising Professional to suspend work without extension of contract time or additional compensation.

**MEASUREMENT AND PAYMENT**

This item of work will be paid for on a pro rata basis at the time of each progress payment. Measurement will be based on the ratio between work completed during the payment period and the total contract amount. When all of the work of this Contract has been completed, the measurement of this item shall be 1.0 Lump Sum, minus any deductions incurred for inadequate performance as described herein. This amount will not be increased for any reason, including extensions of time, extras, and/or additional work.

The completed work as measured for this item of work will be paid for at the Contract Unit Price for the following Contract (Pay) Item:

<b><u>PAY ITEM</u></b>	<b><u>PAY UNIT</u></b>
Project Supervision, Maximum \$50,000	Lump Sum

The unit price for this item of work shall include all labor, material, and equipment costs to perform all the work specified in the City Standard Specifications and as modified by this Detailed Specification.



**DETAILED SPECIFICATION  
FOR  
ITEM #202 – AUDIO VISUAL TAPE COVERAGE, MODIFIED**

**1 of 3**

**DESCRIPTION**

This work shall include digital audiovisual record of the physical, structural, and aesthetic conditions of the construction site and adjacent areas as provided herein. This work will be performed for the entire project limits prior to the start of construction.

The audio-visual filming shall be:

1. Of professional quality, providing a clear and accurate audio and visual record of existing conditions.
2. Prepared within the four (4) week period immediately prior to the start of construction
3. Furnished to the Engineer a minimum of one (1) week prior to bringing any materials or equipment within the areas described in this Detailed Specification.
4. Carried-out under the supervision of the Engineer.

The Contractor shall furnish one (1) copy of the completed audiovisual record to the Engineer. An index of the footage shall be included, which will enable any particular area of the project to be easily found. **This includes indexing the files according to street and Station number as applicable.** The Contractor shall retain a second copy of the audiovisual record for his/her own use.

Any portion of the film determined by the Engineer to be unacceptable for the documentation of existing conditions shall be filmed again at the Contractor's sole expense prior to mobilizing onto the site.

**PRODUCTION**

The audio-visual filming shall be completed in accordance with the following minimum requirements:

1. DVD Format, No Editing - The filming shall be done in color using equipment that allows audio and visual information to be recorded. Splicing or editing of the tape shall not be allowed and the speed and electronics of the videotaping equipment and DVD shall be equal to that which is standard to the videotaping industry.
2. Perspective / Speed / Pan / Zoom - To ensure proper perspective, the distance from the ground to the camera lens shall not be less than 10 feet and the filming must proceed in the general direction of travel at a speed not to exceed 48 feet per minute. Pan and zoom rates shall be controlled sufficiently so that playback will ensure quality of the object viewed.
3. Display - The recording equipment shall have transparent time, date stamp and digital annotation capabilities. The final copies of the tape shall continuously and simultaneously display the time (hours:minutes:seconds) and the date (month/date/year) in the upper left-hand corner of the frame. Accurate project stationing, where applicable, shall be included in the lower half of the frame in standard format (i.e. 1+00). Below the stationing periodic information is to be shown, including project name, name of area shown, street address, direction of travel, viewing direction, etc. If in the event, the stationing has not been established on-site, refer to the plans and approximate the proposed stationing.

**DETAILED SPECIFICATION  
FOR  
ITEM #202 – AUDIO VISUAL TAPE COVERAGE, MODIFIED**

**2 of 3**

4. Audio Commentary / Visual Features. Locations relative to project limits and landmarks must be identified by both audio and video means at intervals no longer than 100 feet along the filming route. Additional audio commentary shall be provided as necessary during filming to describe streets, buildings, landmarks, and other details, which will enhance the record of existing conditions.
5. Visibility / Ground Cover - The filming shall be performed during a time of good visibility. Filming shall not be performed during periods of precipitation or when snow, leaves, or other natural debris obstruct the area being filmed. The Contractor shall notify the Engineer in writing in the event that the weather or snow cover is anticipated to cause a delay in filming.

**COVERAGE**

The audio-visual film coverage shall include the following:

1. General Criteria - This general criteria shall apply to all filming and shall include all areas where construction activities will take place or where construction vehicles or equipment will be operated or parked and or where materials will be stored. The filming shall extend an additional 50 feet outside of all areas. The filming shall include all significant, existing man-made and natural features such as driveways, sidewalks, utility covers, utility markers, utility poles, other utility features, traffic signal structures and features, public signs, private signs, fences, landscaping, trees, shrubs, other vegetation, and other similar or significant features.
2. Other Areas - The Contractor shall film at his sole expense other areas where, in his/her opinion, the establishment of a record of existing conditions is warranted. The Contractor shall notify the Engineer in writing of such areas.

The Engineer may direct the filming of other minor areas not specified herein at the Contractor's sole expense.

**AUDIOVISUAL FILMING SERVICES**

The following companies are known to be capable of providing the filming services required by this Detailed Specification and shall be utilized, unless the Contractor receives prior written approval from the Engineer to utilize another company of comparable or superior qualifications.

- Construction Video Media
- Midwest Company
- Topo Video, Inc.
- Video Media Corp.
- Paradigm 2000, Inc.
- Finishing Touch Photo and Video

**DETAILED SPECIFICATION  
FOR  
ITEM #202 – AUDIO VISUAL TAPE COVERAGE, MODIFIED**

**3 of 3**

**MEASUREMENT AND PAYMENT**

The completed work as measured for these items of work will be paid for at the Contract Unit Prices for the following Contract (Pay) Items:

**PAY ITEM**

**PAY UNIT**

Audiovisual Tape Coverage, Modified

Lump Sum

Audiovisual Tape Coverage shall include all labor, equipment, and materials required to perform the filming and to provide the finished videotape the Engineer. The unit price includes filming the entire project limits, for each and every street, as described above.

**DETAILED SPECIFICATION  
FOR  
ITEM #203 – MINOR TRAFFIC CONTROL, MODIFIED, MAXIMUM \$100,000**

**1 of 5**

**DESCRIPTION**

The work shall include, but is not limited to the following:

- The furnishing and operating of miscellaneous signs, warning devices, traffic regulators, flags, paddles, and cones;
- The operation of additional signs furnished by the City;
- Furnishing and installing meter bags;
- Coordinating with the City to have meter heads removed and reinstalled;
- Maintaining pedestrian traffic;
- Temporarily covering traffic controls;
- Temporarily covering existing signs as directed;
- Any and all other miscellaneous and/or incidental items which are necessary to properly perform the work.

This work shall consist of protecting and maintaining vehicular and pedestrian traffic, in accordance with Sections 104.11 and 812 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction; Part 6 of the 2011 Edition of the Michigan Manual of Uniform Traffic Control Devices (MMUTCD); and the City of Ann Arbor Standard Specifications for Construction, except as modified herein.

**MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS**

Materials and equipment shall meet the requirements specified in the above designated sections of the MDOT 2020 Standard Specifications for Construction.

The Contractor shall maintain two-way traffic on major streets, access for local traffic on local streets, and keep all intersections open to traffic at all times, unless specifically authorized in writing by the Engineer.

The Contractor shall maintain traffic such that no vehicle shall be required to drive into active work areas. Patch areas which extend more than halfway across the roadway shall be removed and replaced so as to provide a minimum of half the pavement width at all times for maintaining traffic.

The Contractor shall keep all driveways open at all times, unless specifically authorized in writing by the Engineer.

The Contractor shall maintain pedestrian traffic at all times. For maintaining normal pedestrian traffic while performing sidewalk and driveway repair, Plastic Drum, High Intensity, Lighted shall be placed by the Contractor as directed by the Engineer. The Contractor, when directed by the Engineer, shall place "Sidewalk Closed" and/or "Cross Here" signs and the cost shall be included in this pay item and will not be paid for separately.

All temporary traffic/pedestrian control devices furnished by the Contractor shall remain the property of the Contractor. The City shall not be responsible for stolen or damaged signs, barricades, barricade lights or other traffic maintenance items. The Contractor shall replace missing traffic control devices immediately, at no additional cost to the Contract or City.

**DETAILED SPECIFICATION  
FOR  
ITEM #203 – MINOR TRAFFIC CONTROL, MODIFIED, MAXIMUM \$100,000**

**2 of 5**

All existing signs, and signs erected by the City of Ann Arbor on this project shall be preserved, protected, and maintained by the Contractor. The City will repair any existing City owned signs, at the Contractor's expense, which are damaged by the Contractor during the work.

The Contractor shall obtain a Traffic Detour or Lane Closure Permit from the City's Project Management Services Unit, at least 48 hours in advance of any proposed lane or street closing.

Traffic on major streets should not be impacted between the hours of 7:00 a.m. to 9:00 a.m. and from 3:30 p.m. to 6:00 p.m. without written permission from the Engineer or as specified on the Lane Closure Permit. All major changes in traffic control shall be made either between 9:00 a.m. and 3:30 p.m. or between 7:00 p.m. and 6:30 a.m. in order to minimize interference with rush hour traffic. All traffic controls must be in place and ready for traffic each day by 6:30 a.m. and 3:30 p.m.

The hours of work on all local streets are 7:00 a.m. to 8:00 p.m., Monday through Saturday, or as specified on the Lane Closure Permit. No equipment will be allowed in the street before or after these hours. Local streets may only be closed to through traffic (local access only) with written authorization of the Engineer. Work must be completed each day such that all streets are re-opened to through traffic by 8:00 p.m. unless otherwise specified, directed, or authorized in writing by the Engineer.

The Contractor shall temporarily cover conflicting traffic and/or parking signs when directed by the Engineer.

Parking violation citations issued to the Contractor, subcontractor, and material suppliers including each of their respective employees shall be enforced under appropriate City Code.

The Contractor shall replace missing or damaged traffic control devices as directed by the Engineer. When traffic control devices have been damaged by, or due to, the negligence of the Contractor, its subcontractors or material suppliers, the traffic control devices shall be replaced at the Contractor's expense.

The work for Minor Traffic Control, Modified shall include: furnishing and operating of miscellaneous signs and warning devices; furnishing cones; operating additional signs furnished by the City throughout the life of the Contract; furnishing and operating pedestrian traffic control devices; maintaining a safe trench during all non-working hours; maintaining access to all drives; covering conflicting existing signs and removal of these covers; and any and all other miscellaneous and/or incidental items which are necessary to properly perform the work.

Where there is metered parking, the Contractor shall either rent and install meter bags, or, with the Engineer's authorization, coordinate with the City Field Services to have meter heads removed and reinstalled.

The Contractor shall maintain vehicular and pedestrian traffic during the work by the use of traffic regulators, channelizing devices and signs as necessary, as directed by the Engineer, and in accordance with 2011 Edition of the MMUTCD. Typical applications for maintaining pedestrian traffic in accordance with the 2011 Edition of the MMUTCD are included in this detailed specification.

**DETAILED SPECIFICATION  
FOR  
ITEM #203 – MINOR TRAFFIC CONTROL, MODIFIED, MAXIMUM \$100,000**

**3 of 5**

In order to maintain areas of on-street parking available for residents, the Engineer may direct the contractor to cover and uncover temporary “No Parking” signs within the project limits multiple times throughout the course of the project. Such repeated covering and uncovering of signs shall be included in this item of work and shall not be paid for separately.

**MEASUREMENT AND PAYMENT**

All temporary traffic/pedestrian control devices furnished by the Contractor shall remain the property of the Contractor. The City shall not be responsible for stolen or damaged signs, barricades, barricade lights or other traffic maintenance items. The Contractor shall replace missing traffic control devices immediately, at no additional cost to the City.

Costs for transporting barricades and other temporary traffic control devices shall be included in the bid prices for the individual items of work.

Minor Traffic Control, Modified, Maximum \$25,000 will be paid for on a pro rata basis with each progress payment. Measurement will be based on the ratio between work completed during the payment period and the total contract amount. When all of the work of this Contract has been completed, the measurement of this item shall be 1.0 Lump Sum minus any deductions incurred for inadequate performance as described herein. This amount will not be increased for any reason, including extensions of time, extras, and/or additional work.

The completed work as measured for these items of work will be paid for at the Contract Unit Price for the following Contract (Pay) Items:

**PAY ITEM**

**PAY UNIT**

Minor Traffic Control, Modified, Maximum \$100,000

Lump Sum

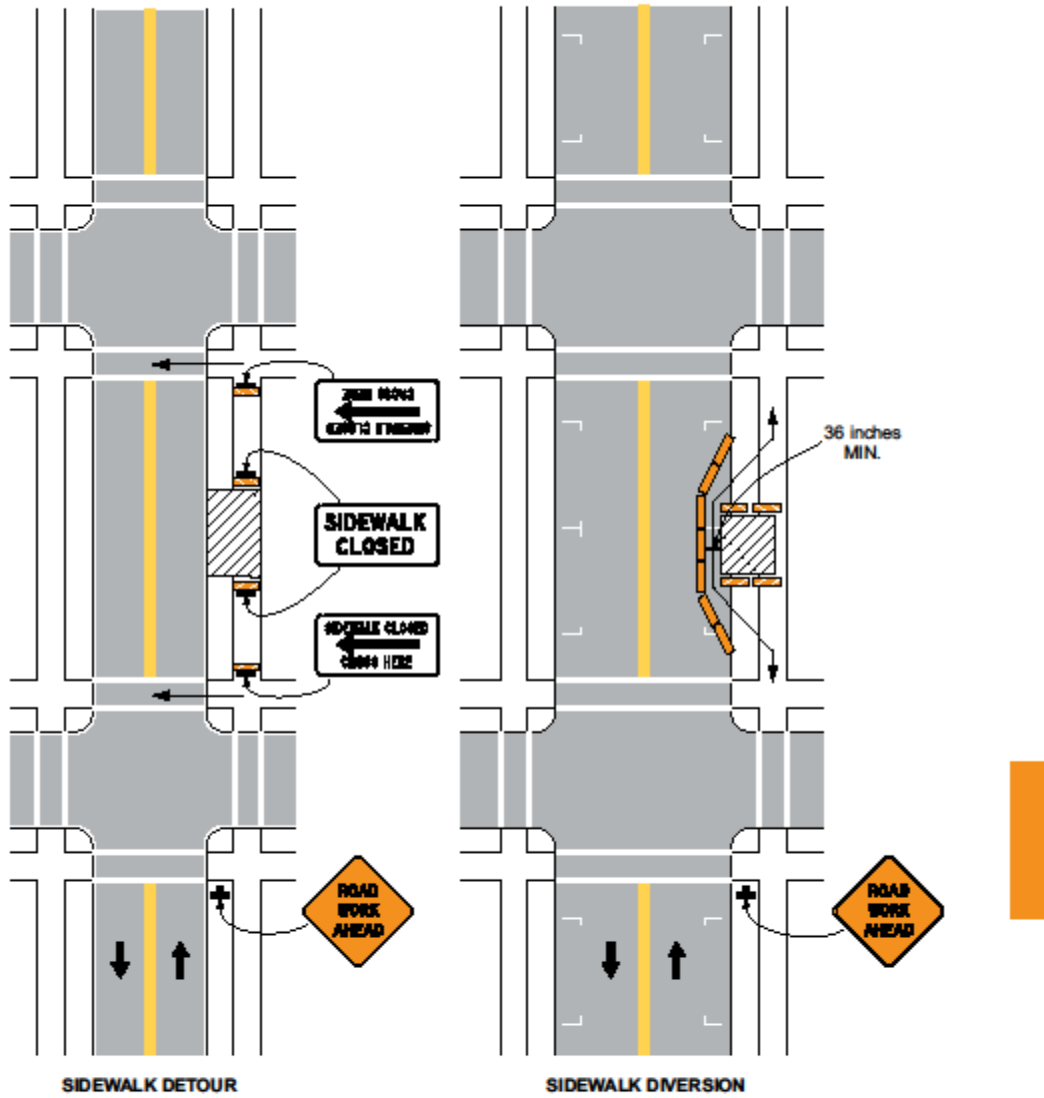
The unit price for this item of work shall include all labor, material, and equipment costs to perform all the work specified in the MDOT and City Standard Specifications for Construction, and as modified by this Detailed Specification.



**DETAILED SPECIFICATION  
FOR  
ITEM #203 – MINOR TRAFFIC CONTROL, MODIFIED, MAXIMUM \$100,000**



**Figure 6H-28. Sidewalk Detour or Diversion (TA-28)**

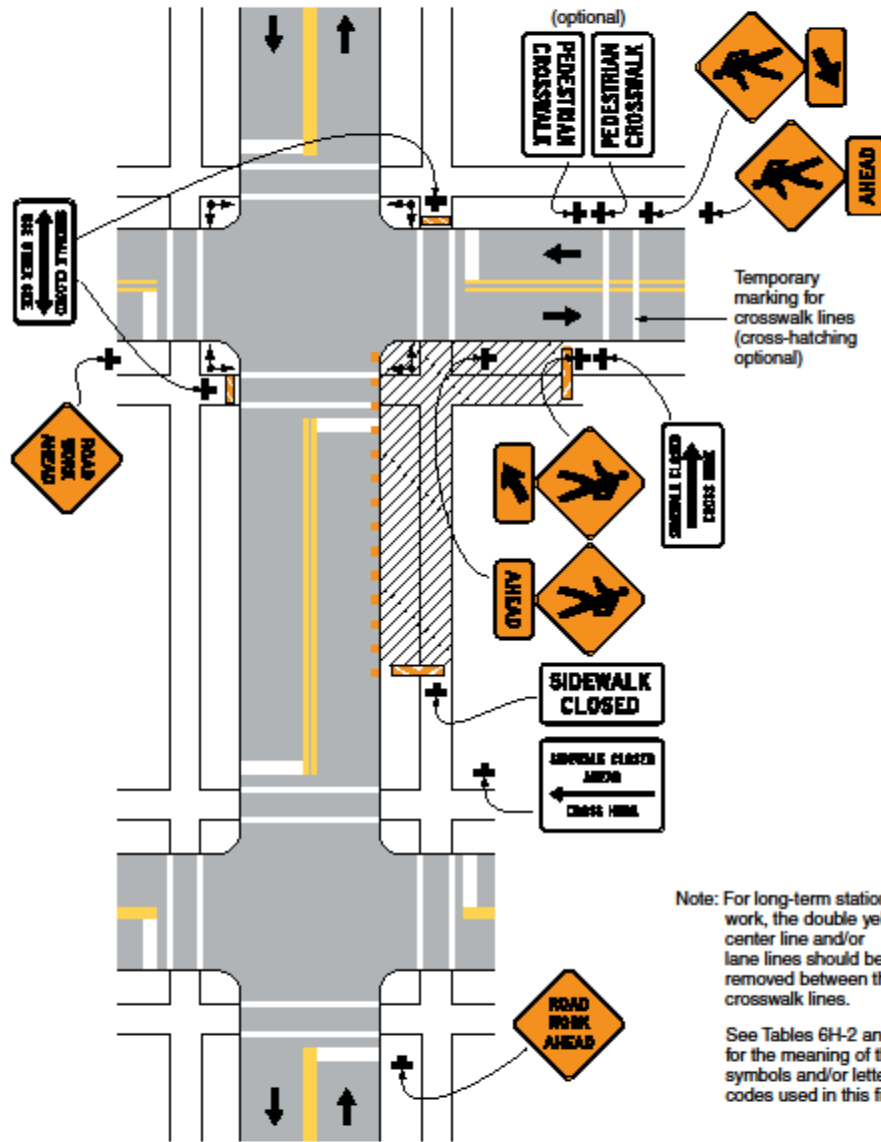


**Typical Application 28**

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

**DETAILED SPECIFICATION  
FOR  
ITEM #203 – MINOR TRAFFIC CONTROL, MODIFIED, MAXIMUM \$100,000**

**Figure 6H-29. Crosswalk Closures and Pedestrian Detours (TA-29)**



**Typical Application 29**

**DETAILED SPECIFICATION  
FOR  
ITEMS #204/205 – BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED,  
LIGHTED, FURN/OPER  
ITEMS #206/207 – CHANNELIZING DEVICE, 42 INCH, FURN/OPER  
ITEMS #208/209 – LIGHTED ARROW, TYPE C, FURN/OPER  
ITEMS #210/211 – PLASTIC DRUM, HIGH INTENSITY, LIGHTED, FURN/OPER  
ITEMS #212/213 – SIGN, TYPE B, TEMP, PRISMATIC, FURN/OPER**

**1 of 3**

**DESCRIPTION**

This work shall consist of protecting and maintaining vehicular and pedestrian traffic in accordance with Sections 140.11, 812, and 922 of the Michigan Department of Transportation (MDOT) 2020 Standard Specifications for Construction; Part 6 of the 2011 Edition of the Michigan Manual of Uniform Traffic Control Devices (MMUTCD); and the City of Ann Arbor Standard Specifications for Construction, except as modified herein.

**MATERIALS, EQUIPMENT, AND CONSTRUCTION METHODS**

Materials and equipment shall meet the requirements specified in the above designated sections of the MDOT 2020 Standard Specifications for Construction.

The Contractor shall maintain traffic such that no vehicle shall be required to drive into active work areas. Patch areas which extend more than halfway across the roadway shall be removed and replaced so as to provide a minimum of half the pavement width at all times for maintaining traffic.

The Contractor shall maintain pedestrian traffic at all times. For maintaining normal pedestrian traffic while performing sidewalk and driveway repair, Type III Barricades and/or Plastic Drums shall be placed by the Contractor, as directed by the Engineer. "Sidewalk Closed" and/or "Cross Here" signs shall be placed, by the Contractor, when directed by the Engineer.

All temporary traffic/pedestrian control devices furnished by the Contractor shall remain the property of the Contractor. The City shall not be responsible for stolen or damaged signs, barricades, barricade lights or other traffic maintenance items. The Contractor shall replace missing traffic control devices immediately, at no additional cost to the City.

All existing signs, and signs erected by the City of Ann Arbor on this project shall be preserved, protected, and maintained by the Contractor. Existing City owned signs which are damaged by the Contractor during the work will be repaired by the City at the Contractor's expense.

Parking violation citations issued to the Contractor, subcontractor, and material suppliers including each of their respective employees shall be enforced under appropriate City Code.

The Contractor shall replace missing or damaged traffic control devices, as directed by the Engineer. When traffic control devices have been damaged by, or due to, the negligence of the Contractor, his subcontractors or material suppliers, the traffic control devices shall be replaced at the Contractor's expense.

**Lighted Plastic Drums, Type III Barricades, and Type B Temporary Signs**

The Contractor shall furnish and operate these items as directed by the Engineer.

**DETAILED SPECIFICATION  
FOR  
ITEMS #204/205 – BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED,  
LIGHTED, FURN/OPER  
ITEMS #206/207 – CHANNELIZING DEVICE, 42 INCH, FURN/OPER  
ITEMS #208/209 – LIGHTED ARROW, TYPE C, FURN/OPER  
ITEMS #210/211 – PLASTIC DRUM, HIGH INTENSITY, LIGHTED, FURN/OPER  
ITEMS #212/213 – SIGN, TYPE B, TEMP, PRISMATIC, FURN/OPER**

**2 of 3**

Type III Barricades shall have standard orange-and-white stripes on both sides of the barricade.

Sufficient signs shall be provided by the Contractor to insure the safety of the workers and the general public in accordance with the 2011 Edition of the MMUTCD.

"Construction Ahead" warning signs shall be placed, as indicated on the Plans, or as directed by the Engineer, prior to the start of work, regardless of the nature, magnitude or duration of the work.

**MEASUREMENT AND PAYMENT**

All temporary traffic control devices furnished by the Contractor shall remain the property of the Contractor. The City shall not be responsible for stolen or damaged signs, barricades, barricade lights or other traffic maintenance items. The Contractor shall replace missing traffic control devices immediately, at no additional cost to the City.

Costs for transporting barricades and other temporary traffic control devices shall be included in the bid prices for the individual items of work.

**Barricade, Type III, High Intensity, Double Sided, Lighted, Furn/Oper**

Payment for furnishing and operating lighted Type III barricades shall be for the maximum quantity in-place at any one time during the work of the entire project (all streets).

**Channelizing Device, 42 inch, Furn/Oper**

There will be a one-time payment for each street for the maximum number of channelizing devices in-place (operated) at any one time, as directed by the Engineer.

**Lighted Arrow, Type C, Furn/Oper**

Payment for lighted arrow shall be for the maximum quantity used on each street.

**Plastic Drum, High Intensity, Lighted, Furn/Oper**

There will be a one-time payment for each street for the maximum number of plastic drums in-place (operated) at any one time, as directed by the Engineer.

**Sign, Type B, Temp, Prismatic, Furn/Oper**

Payment for temporary signs shall be for the maximum quantity used on each street.

**DETAILED SPECIFICATION  
FOR  
ITEMS #204/205 – BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED,  
LIGHTED, FURN/OPER  
ITEMS #206/207 – CHANNELIZING DEVICE, 42 INCH, FURN/OPER  
ITEMS #208/209 – LIGHTED ARROW, TYPE C, FURN/OPER  
ITEMS #210/211 – PLASTIC DRUM, HIGH INTENSITY, LIGHTED, FURN/OPER  
ITEMS #212/213 – SIGN, TYPE B, TEMP, PRISMATIC, FURN/OPER**

**3 of 3**

The completed work as measured for these items of work will be paid for at the Contract Unit Price for the following Contract (Pay) Items:

<b><u>PAY ITEM</u></b>	<b><u>PAY UNIT</u></b>
Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Each
Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Each
Channelizing Device, 42 inch, Furn	Each
Channelizing Device, 42 inch, Oper	Each
Lighted Arrow, Type C, Furn	Square Foot
Lighted Arrow, Type C, Oper	Square Foot
Plastic Drum, High Intensity, Lighted, Furn	Each
Plastic Drum, High Intensity, Lighted, Oper	Each
Sign, Type B, Temp, Prismatic, Furn	Each
Sign, Type B, Temp, Prismatic, Oper	Each

**DETAILED SPECIFICATION  
FOR  
ITEM #206 – “NO PARKING” SIGN**

**1 of 1**

**DESCRIPTION**

This work shall consist of installing, maintaining and removing of "No Parking" signs and posts as outlined herein and as referenced on the plans. "No Parking" signs shall be installed in accordance with the Public Services Department Standard Specifications and the 2011 Michigan Manual of Uniform Traffic Control Devices (MMUTCD).

**MATERIAL**

All materials for this work shall conform to the requirements of the Public Services Department Standard Specifications.

**CONSTRUCTION METHODS**

Prior to the commencement of any construction activity, the Contractor shall place “No Parking” signs as directed by the Engineer. The Contractor shall obtain a permit for “Temporary Permission of Reserve Parking Lane for Work Related Purposes” from the City’s Project Management Services Unit. This permit shall be obtained a minimum of 5 business days prior to the posting of “No Parking” signs.

The City will furnish "No Parking" signs to the Contractor at no cost. The Contractor shall furnish the signposts and shall securely bolt the signs to the signposts as directed by the Engineer. The Contractor shall install the signposts at least two feet deep into the ground, and there shall be a minimum of six feet and maximum of seven feet of clearance maintained between the bottom of the sign and the ground. The signs are to be placed at intervals no more than 150 feet and as necessary to eliminate parking in the construction area.

The installation of "No Parking" signs shall be in accordance with the permit. "No Parking" signs shall be installed by the Contractor, as directed by the Engineer, at least 48 hours prior to the proposed start-of-work/enforcement date. "No Parking" signs shall be covered by the Contractor, thereby allowing on-street parking, until between 48 and 24 hours prior to the start of the work. "No Parking" signs shall be covered by the Contractor whenever there is no work being performed for a period of time longer than 72 hours. "No Parking" signs shall be returned to the City upon the completion of work. The cost of unreturned signs will be back charged to the Contractor.

**MEASUREMENT AND PAYMENT**

The unit price for this item of work shall include all labor, material, and equipment costs to perform all the work specified in the Standard Specifications and as modified by this Detailed Specification.

**PAY ITEM**

**PAY UNIT**

“No Parking” Sign

Each

"No Parking" signs will be measured as the maximum number installed on each street at any one time. The unit price includes the removal and return of "No Parking" signs to the City upon completion of the project. The Contractor shall be back charged for the replacement costs for damaged or unreturned signs.



**DETAILED SPECIFICATION  
FOR  
ITEM #215 –SEWER FLOW CONRTOL**

**1 of 12**

**DESCRIPTION**

The work covered by this Detailed Specification shall consist of furnishing all labor, supervision, tools, equipment, appliances, materials, incidental items, and the installation, operation, and maintenance needed to perform all operations in connection with the diversion of flow and bypass pumping of sanitary sewage for cleaning and inspecting of sewers and manholes, and sewer rehabilitation procedures. The purpose of which is to provide un-interrupted sewerage service at all times and to prevent sewage overflows.

It is the intent of this project to divert dry weather upstream sanitary sewer flow within the work zone to other City of Ann Arbor (City) sanitary sewers by installing plugs and bypass pumps in the sewer system. The flows from the various laterals to the smaller diameter sewers connected to the sanitary sewer in the work zone shall be bypass pumped to a manhole either upstream of the plugs or downstream of the work zone. The design, installation, and operation of the temporary sewer flow control system shall be the Contractor's sole responsibility.

When working inside manholes or sewer, the Contractor shall exercise caution and comply with Occupational Safety and Health Administration (OSHA) and City requirements for working in confined spaces.

The Contractor shall manage, plan, and execute their operations such that there will be no backups, leaks, or unauthorized discharges of sewerage. The Contractor shall be completely responsible for the proper clean-up and any environmental remediation as may be required by the City or the Michigan Department of Environment, Great Lakes, and Energy (EGLE) for any backup, leak, spill, or sanitary sewerage overflow.

**SUBMITTALS**

The Contractor shall provide a detailed Sewer Flow Control Plan to the Engineer for review and acceptance prior to the start of any flow control work. This plan must include descriptions outlining all provisions and precautions to be taken by the Contractor regarding the handling of existing flow. The Sewer Flow Control Plan must be specific, including such items as schedules, locations, elevations, capacities of the equipment, materials, and all other incidental items necessary and/or required to ensure proper protection of the facilities, including protection of existing structures and pipes, and compliance with the requirements and conditions specified in these Contract Documents. The flow control plan shall be submitted to the Engineer for review and approval in accordance with Section 104.02 of the 2012 edition of the Michigan Department of Transportation Standard Specifications for Construction. No construction shall begin until all provisions and requirements have been reviewed and accepted by the Engineer.

For each submittal and re-submittal, the Contractor shall allow at least 14 calendar days from the date of the submittal to receive the Engineer's acceptance or request for revisions. The Engineer's comments shall be incorporated into the re-submitted plans, calculations, and descriptions. The Engineer's acceptance of the plan is required before beginning the work. Re-submittals shall be reviewed and returned to the Contractor within 14 calendar days. Required revisions will not be a basis of payment for additional compensation, extra work, or an extension of contract time. The Contractor shall include time for this entire review process in their schedule.

**DETAILED SPECIFICATION  
FOR  
ITEM #215 - SEWER FLOW CONTROL**

**2 of 12**

Sewer Flow Control Plan submittal shall include at a minimum:

1. Overall flow control plan and sequence of construction;
2. Flow control schedule including times when the flow control system shall be temporarily shut down and flow allowed to return to normal operations;
3. Overall plan for removal of flow control system during wet weather events and/or emergency situations;
4. Plan for providing redundancy for all aspects of the system, especially the plugs;
5. Plan for providing noise control of pumping and power generation equipment;
6. Safety Program for confined space entry and procedure for entering manholes and installing plugs under live flow conditions;
7. Emergency clean-up plan should a spill occur or backups in the system occur. The plan should include contact names and 24-hour phone numbers;
8. Procedure for continuous (24 hour) monitoring of system, including verifying that plugs are sealed and lateral bypass pumping system is operating. The plan is to include type and location of level sensors, method of installation, set elevations of sensors, and continuous monitoring system;
9. Maintenance of traffic plan for installation and removal of plugs, road ramps, and road trenches in public roadways;
10. Maintenance of traffic plan for pedestrians at locations where sidewalk movement is restricted due to bypass operations.
11. Sewer plug types, method of installation and removal, anchors and restraints, and hydraulic head limits;
12. Lateral bypass pump sizes, capacities, power requirements, and number of each size to be provided at each manhole including redundancy;
13. Calculations giving flow capacity provided by each pump given the system's Total Dynamic Head (TDH), including the calculations that are used to derive the system TDH. This data should also include the calculations determining what the Net Positive Suction Head available is in comparison to the Net Positive Suction Head required by each pump. Pump curves shall be submitted;
14. Number, size, material, and location of lateral bypass pumping suction and discharge piping, procedure for protecting lines, and location of bypass pumping discharge manhole;
15. Lateral bypass pumping system flushing and drainage plan;

**DETAILED SPECIFICATION  
FOR  
ITEM #215 - SEWER FLOW CONTROL**

**3 of 12**

16. Buried bypass pipe locations and details;
17. Environment protection including pump containment and leak detection;
18. Method of protecting discharge manholes or structures from erosion and damage;
19. Method of noise control for each pump or generator; and,
20. Design plans for access to bypass pumping locations indicated on the Drawings.

**FLOW DIVERSION EQUIPMENT**

Provide materials and equipment suitable for, and known to be reliable to meet, the flow diversion requirements as shown on the Drawings and as needed for the Contractor's operations.

The plugs shall be temporary plugs that allows for quick removal in case of emergency or wet-weather situation and re-installation after wet weather event has passed. Plugs shall be capable of withstanding minimum static head pressure of 15 feet. Plugs shall include form or bracing, anchoring, or restraint to keep plugs properly installed. Plugs should be of the type capable of being installed under live flow conditions and in depths exceeding 35 feet as shown on the Drawings. Plugs should be able to be installed in either the incoming or outgoing pipe in a manhole and allow for quick removal under surcharged conditions. Plugs shall be clearly tagged with the Contractor's name and date of installation.

Pressure gages shall be installed with the plugs to continuously monitor the plugs and adjust the air pressure as needed to maintain full blockage of flow.

Ultrasonic level sensors shall be installed, at a minimum, at each bypass pumping location. The Contractor may elect to install sensors in other locations at their expense if they so choose. The Contractor shall be responsible for the installation and maintenance of the sensors. The level sensors shall provide continuous level readings that the Contractor shall be able to review remotely to monitor the level in the system during flow diversion. The level sensors shall provide notifications and alarms to allow the Contractor time to remove the plugs should an emergency or a wet weather event occur.

**SEWER BYPASS PUMPING EQUIPMENT**

Provide materials and equipment suitable for, and known to be reliable to meet, the bypass pumping requirements.

The pumps must be capable of passing a minimum of a 3-inch solid. All pumps must be constructed to allow dry running for long periods of time to accommodate the cyclical nature of effluent flows.

Equipment used for bypass pumping shall be sufficient to handle anticipated average and peak flows from each sewer. The Contractor shall maintain sanitary sewer flows within their bypass pumping system, including all wet weather flows.

**DETAILED SPECIFICATION  
FOR  
ITEM #215 - SEWER FLOW CONTROL**

**4 of 12**

For sanitary sewerage, bypass piping shall be PVC Schedule 80, or equivalent, with solvent welded joints; or HDPE DR-11 with butt fused joints. The Contractor shall perform hydrostatic testing of the bypass pump discharge pipes with potable water in accordance with ASTM F2164 for HDPE or ASTM F2261 for PVC pipe, prior to operating bypass pumping system to ensure structural integrity of pipeline. Any defects or leaks found during testing shall be repaired and the pipeline shall be re-tested until results are satisfactory in accordance with the ASTM standard, and as acceptable to the Engineer.

Low-profile bypass piping road or driveway ramps shall be rated to handle AASHTO H-20 traffic loading and shall be secured to the road surface to prevent movement according to the manufacturer's recommendations.

**REDUNDANT EQUIPMENT**

The Contractor shall have redundant flow diversion equipment including, but not limited to, plugs and level sensors, available for immediate use at the job site at all times in the event of a failure.

Any damage to the Contractor's equipment, sewer system, or delays to the Contractor's operations due to equipment or plug failure/leakage shall be the Contractor's sole responsibility and no additional payment shall be made for these occurrences. The Contractor shall take all necessary precautions to verify that the plugs and flow diversion plan is operational prior to performing the work.

The Contractor shall have redundant bypass pumping equipment installed and ready for immediate operation and use in the event of an emergency or primary system breakdown or failure. The standby system shall be capable of pumping dry weather and peak flow. The standby pump(s) shall not be considered as any part of the primary system as designed for peak flow. The Contractor shall also furnish and have available onsite, and ready for operation, redundant pumping ancillary equipment in case of any failure of the pumping system including piping, electrical equipment, pipe appurtenances, etc. Redundant pumping facilities shall also include having a backup power generator in case the primary power source fails.

The Contractor shall not obstruct flows in the sewer unless the primary and redundant equipment is onsite and in operable condition and authorization has been granted by the Engineer.

**FLOW DIVERSION PLAN**

The sanitary sewer being rehabilitated is 30-inch trunkline sewer with two separate areas identified for the work. The flow along this sewer increases along its length as additional collector sewers flow into the pipe. The contractor shall note that the estimated peak dry weather flow ranges from 2.2 cubic feet per second (cfs) along E. Hoover Ave. to approximately 8.5 cfs at S. First St. and Miller Ave. Based on flow meter data from April 15, 2020 through April 14, 2022 at MH 71-71426 on S. Division St., the wet weather peak flow can be as much as 8 times the average. The Contractor is to take all necessary precautions when installing the plugs in these sewers under live flow conditions. Flow diversion operations shall be limited to dry weather periods to avoid peak flow conditions.

Sewer flow control for this project shall be accomplished with multiple set-ups as detailed in the following pages:

**DETAILED SPECIFICATION  
FOR  
ITEM #215 - SEWER FLOW CONTROL**

**5 of 12**

S. State St. to S. Division St.:

The contractor shall divert flows from the 30-inch sewer along White St. by plugging the upstream connection of MH 71-71491 and diverting the flow from the upstream manhole MH 71-71490 south into the adjacent 21-inch sewer at MH 71-71536. As-built drawings indicate an average depth of approximately 16 feet for the 30-inch sewer along White St. The contractor shall monitor levels in the sewer and take precautions to maintain the pumping level below typical basement depths to avoid sewer backups.

The contractor shall divert incoming flows to the 30-inch sewer along S. State St. by plugging the 8-inch and 15-inch sewers entering MH 71-71554, and along E. Hoover Dr. by plugging the 15-inch sewer entering MH-71-71425. The 8-inch sewer provides residential service to 5 buildings and the contractor shall monitor levels in the sewer while plugged and take precautions to avoid sewer backups. The 15-inch sewer along S. State St. shall be diverted by pumping from MH-71-71553 across E. Hoover Ave. and along E. Hoover Ave. and discharging to MH 71-71422. The flow from the 15-inch sewer along E. Hoover Ave. shall be diverted by pumping from MH 71-71455 and also discharge to MH 71-71422. The contractor may connect these bypass pipes to form a common bypass pipe to the ultimate discharge.

1. Open excavation of E. Hoover Ave. is prohibited.
2. Two-way traffic must be maintained at all times.
3. Only road ramps rated for highway traffic loading (AASHTO H-20) will be permitted across E. Hoover Dr.
4. Pedestrian traffic must be maintained at all times. The contractor shall provide ADA accessible sidewalk ramps where practical. If ramps are not used, pedestrian traffic control signage shall be placed to guide pedestrians to the nearest accessible crossing.
5. The Contractor shall verify and document sewer lateral locations for the Intramural Sports Facility as part of the sewer cleaning and televising process, and make provisions for maintaining service to that facility.

W. Jefferson St. to W. William St.:

The contractor shall divert flows from the 30-inch sewer along S. Ashley St. by plugging the 30-inch sewer and the 12-inch sewer that enter MH 71-70705, and pumping from MH-71-70703, and from MH 71-70702. The bypass pipe shall be routed above grade along S. Ashley St., then along west side of the railroad right-of-way to W. William St. to discharge into MH 71-70480.

The 8-inch sewer along S. First St. shall be plugged where it enters MH 71-70837 as needed to isolate the pipe being cleaned and lined. As-built information indicates that the 8-inch sewer is approximately 8 feet deep. The contractor shall monitor levels in the sewer while plugged and take precautions to avoid sewer backups. If necessary, the contractor may bypass pump the flows from MH 71-073939 to MH 71-70480.

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1. Traffic control signage shall be provided for the temporary closure of the intersection of W. Jefferson St. and S. Ashley St.
2. Two-way traffic must be maintained at all times along S. First St.
3. Pedestrian traffic must be maintained at all times. The contractor shall provide ADA accessible sidewalk ramps where practical. If ramps are not used, pedestrian traffic control signage shall be placed to guide pedestrians to the nearest accessible crossing.
4. Installation of bypass piping along the railroad right-of-way shall comply with all permit requirements outlined by the agency having jurisdiction.

W. William St. to W. Washington St.

This section of interceptor sewer contains several connections from local collector sewers. The description provided herein identifies the sewer plugs, bypass pumping and discharge locations, and road crossing locations. The contractor may, at their discretion, perform the bypass pumping for this section in more than one setup, as detailed in their bypass plan submittal prior to beginning work.

The contractor shall divert flows from the 30-inch sewer along S. First St. by plugging the 30-inch sewer at the upstream connection of MH 71-70480. The 30-inch sewer shall be diverted by pumping from MH 71-70837 across and along S. First St. to the north, across W. William St., along the west side of the railroad right-of-way, across W. Liberty St., along the pedestrian walk way through the City owned parking area, west under the railway bridge and north across W. Washington St. to discharge to MH 71-70474. The bypass manholes shall be cored to accommodate the bypass pipe and the road crossings shall be installed in a trench to maintain traffic.

The contractor shall divert flows from the 15-inch sewer along W. William St. by plugging the upstream connection of the 15-inch sewer at MH 71-70647 and pumping from MH 71-072989. The bypass shall cross the north lane of W. Washington St. with a road ramp, and connect to the main bypass pipe to ultimately discharge at MH 71-70474. As-built drawings indicate an average depth of approximately 13 feet for the 15-inch sewer along W. William St. The contractor shall monitor levels in the sewer and take precautions to maintain the pumping level below typical basement depths to avoid sewer backups.

The contractor shall divert flows from the 12-inch sewer coming from the west along W. Liberty St., by installing a plug in the downstream side of MH 71-70512 and pumping from that same manhole. The bypass pipe shall be cored through the manhole and connected with the main bypass pipe in the road crossing trench to maintain traffic and ultimately discharge at MH 71-70474.

The contractor shall divert flows from the 10-inch sewer serving S. First St. and W. Liberty St. by plugging the upstream connection at MH 71-70465 and pumping from MH 71-70471. The bypass shall cross the



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north lane of W. Liberty St. with a road ramp, and be routed above grade to the north along S. First St., to connect with the main bypass pipe to cross W. Washington St. and ultimately discharge at MH 71-70474.

The contractor shall divert flows from the 21-inch sewer from the west along W. Washington St. by plugging the upstream 21-inch connection at MH-70467, and pumping from the nearest upstream manhole MH 71-70551. The suction connection shall be cored through the manhole and the bypass pipe shall cross the north side of W. Washington St in a trench to maintain traffic and be routed east to ultimately discharge at MH 71-70474. As-built drawings indicate an average depth of approximately 16 feet for the 21-inch sewer along W. Washington St. The contractor shall monitor levels in the sewer and take precautions to maintain the pumping level below typical basement depths to avoid sewer backups.

The contractor shall install a plug on the 10-inch connection at MH 71-70466 to divert flow to continue west through the existing 10-inch sewer along W. Washington St.

1. Two-way traffic must be maintained at all times along S. First St.
2. The road crossings for this bypass pipe across S. First St., W. William St., W. Liberty St., and W. Washington St. shall all be accomplished by cutting a trench into the existing road surface. Road cuts shall be located outside of the limits of new pavement from the recent S. First St. reconstruction project. The pipe shall be surrounded by compacted 21AA limestone and the trench covered by steel road plates, to maintain traffic. Once the bypass is complete, the pipe shall be removed, and a 10-foot wide strip of the road shall be sawcut to a clean edge. The road shall be restored according to the approved cross section details in the plan and any damaged pavement markings shall be restored.
3. Traffic control, including advanced warning and detour signage shall be provided during temporary road closures for trenching the bypass pipe at the road crossings. With approval from the City, temporary road closures may occur during nighttime hours to minimize disruption to motorists.
4. Pedestrian traffic must be maintained at all times. The contractor shall provide ADA accessible sidewalk ramps where practical. If ramps are not used, pedestrian traffic control signage shall be placed to guide pedestrians to the nearest accessible crossing.
5. Installation of bypass piping along the railroad right-of-way shall comply with all permit requirements outlined by the agency having jurisdiction.
6. The trench crossing of W. Washington St. shall also be utilized during the bypass operations for the segment from W. Washington St. to Miller Ave.

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W. Washington St. to Miller Ave.

The contractor shall divert flows from the 30-inch sewer along S. First St. by plugging the 30-inch sewer at the upstream connection to MH 71-70473 and pumping from the nearest upstream manhole MH 71-70466. The bypass shall be routed along the west side of First St., north across W. Washington St., across W. Huron St., and across W. Ann St. to ultimately discharge to MH 71-70536. The bypass manholes at W. Washington St. and W. Huron St. shall be cored to accommodate the bypass pipe and the road crossings of the same shall be installed in a trench to maintain traffic. A low-profile road ramp shall be used at W. Ann St. to maintain traffic at that bypass crossing.

The contractor shall divert flows from the 10-inch sewer along W. Huron by plugging the downstream connection of MH 71-70475 and pumping from the same. The bypass pipe shall be cored through the manhole and connected with the main bypass pipe in the road crossing trench to maintain traffic and ultimately discharge at MH 71-70536.

The contractor shall divert flows from the 8-inch sewer along N. First St. at W. Ann St. by plugging the downstream (north) 8-inch connection of MH 71-70477 to direct sewer flow to continue west along the existing 10-inch sewer.

The 8-inch sewer along N. First St. near Miller Ave. shall be plugged where it enters MH 71-70536 as needed to isolate the pipe being cleaned and lined. As-built information indicates that the 8-inch sewer is approximately 10 feet deep. The contractor shall monitor levels in the sewer while plugged and take precautions to avoid sewer backups. If necessary, the contractor may bypass pump the flows from MH 71-70605 to MH 71-70536.

The contractor shall divert flows from the 20-inch sewer along Miller Ave. by plugging the downstream 20-inch connection at MH 71-70538 and pumping from the same into the adjacent 18-inch sewer at MH 71-073545.

1. The road crossings for this bypass pipe across S. First St., W. Washington St., and W. Huron St. shall all be accomplished by cutting a trench into the existing road surface. Road cuts shall be located outside of the limits of new pavement from the recent S. First St. reconstruction project unless otherwise noted on the plans. The pipe shall be surrounded by compacted 21AA limestone and the trench covered by steel road plates, to maintain traffic. Once the bypass is complete, the pipe shall be removed, and a 10-foot wide strip of the road shall be sawcut to a clean edge. The road shall be restored according to the approved cross section details in the plan and any damaged pavement markings shall be restored.
2. Traffic control, including advanced warning and detour signage shall be provided during temporary road closures for trenching the bypass pipe at the road crossings. With approval from the City, temporary road closures may occur during nighttime hours to minimize disruption to motorists.

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3. Pedestrian traffic must be maintained at all times. The contractor shall provide ADA accessible sidewalk ramps where practical. If ramps are not used, pedestrian traffic control signage shall be placed to guide pedestrians to the nearest accessible crossing.
4. All work in the W. Huron St. right-of-way is within the Michigan Department of Transportation (MDOT) jurisdiction and shall follow the permit requirements of MDOT.
5. Only road ramps rated for highway traffic loading (AASHTO H-20) will be permitted across W. Ann St.

The Contractor shall construct and maintain bypass pumping facilities as needed that will pump at the required flow rates. Estimated peak average flow rates are indicated on the plans. The Contractor shall provide the City with a minimum of 7 days advance notice prior to initiating the sanitary sewer bypass pumping system.

The Contractor shall install plugs, bypass pumping equipment and level sensors and test the system for a minimum of 48 hours prior to the start of any other work onsite. The Contractor, City, and Engineer shall review the flow diversion during the testing period, including flow levels in the manholes. The Contractor shall not start any other work onsite until acceptance of the diversion test.

**LATERAL BYPASS PUMPING**

Service laterals that enter the mainline sewer shall be bypass pumped to the downstream bypass pumping manhole or blocked if a bypass is not available. If a lateral is plugged and/or blocked, the Contractor is responsible for coordination with the property owner to ensure flow is minimized and to prevent a sewer backup. The Contractor is responsible for all sewer backups that occur during all bypass work.

**PERMITTING**

The Contractor is responsible for obtaining all approvals for placement of the temporary equipment and/or piping within public ways from the Agency having jurisdiction.

The following permits will be applied for by the Engineer for the High Level Trunkline Sewer Bypass:

1. Michigan Department of Transportation (MDOT)
2. Ann Arbor Railroad

Contractor shall be responsible for obtaining final permits from WCRC, WCWRC and MDOT, including payment of all permit fees and agreeing to permit requirements. If the Contractor alters the proposed bypass arrangement presented in the plans, securing all subsequent agency approvals will remain the Contractor's sole responsibility.

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**GENERAL REQUIREMENTS**

The Contractor shall provide an adequate labor force and have designated personnel onsite for maintenance and operation, and emergency back-up service, of the bypass pumping facility 24 hours per day 7 days per week during bypass operations.

Anytime bypass pumping operations cease as required due to weather conditions described in Detailed Specification “Extension of Time, Additional Compensation” or as required by the Engineer, the Contractor shall drain the bypass pump discharge line back into the sanitary system as described in the Sewer Flow Control Plan and as directed by the Engineer to avoid freezing of the pipeline.

The Contractor is to arrange for and provide all necessary temporary power, electrical service, board switches, etc. as required by DTE Energy and the National Electrical Code (NEC) current edition to provide temporary bypass pumping.

All bypass pumping discharge pipes shall be protected from the pipe header to the discharge structure. The Contractor shall provide necessary fittings or deflection in pipe to route pipe as necessary to minimize environmental impact and conflict with pedestrian, construction, and emergency vehicle traffic. When the bypass pipeline crosses drives or trails, or when pipeline is within any Contractor work zone/staging area, the Contractor shall place the bypass pipeline in a casing pipe and/or bury in temporary trenches with compacted backfill as indicated on the Drawings, as required for the Contractor’s operations, and as approved by the Engineer. All work associated with temporary bypass discharge pipe trench, including piping, fittings, deflections, supports, casing, spacers, trenching, backfill and pavement replacement shall be included in the contract pay item “Sewer Flow Control.”

The City of Ann Arbor will examine the submitted cost for this item of work prior to contract award. If the City determines, in its sole discretion, that the costs bid by the Contractor for complying with the contract requirements are not reasonable, accurately reported, or may contain discrepancies, the City reserves the right to request additional documentation that fully supports and justifies the price as bid. Should the submitted information not be determined to be reasonable or justify the costs, the City reserves the right to pursue award of the contract to the second low bidder without penalty or prejudice to any other remedies that it may have or may elect to exercise with respect to the original low-bidder.

The Contract Completion date will not be extended as a result of the City’s investigation of the as-bid amount for this item of work, even if the anticipated contract award date must be adjusted. The only exception will be if the Contractor adequately demonstrates that their costs were appropriate and justifiable. If so, the City will adjust the contract completion date by the number of calendar days commensurate with the length of the investigation, if the published Notice to Proceed date of the work cannot be met. The contract unit prices for all other items of work will not be adjusted regardless of an adjustment of the contract completion date being made.

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**WET WEATHER EVENT**

A wet weather event is defined as an event that causes the flow in the system to surcharge.

When a wet weather event occurs, the Contractor shall cease all operations in the sewer system and remove all plugs. The plugs shall be removed so as not to cause a surge downstream.

It is the Contractor's responsibility to monitor the weather and verify weather conditions prior to the start of any work that could have an impact on the capacity of the affected sewers. Any damage to the Contractor's equipment, sewer system, or delays to Contractor's operations due to wet weather conditions shall be the Contractor's sole responsibility and no additional payment shall be provided.

The only exception to that is if the temporary removal of the flow diversion plugs and bypass pumping system occurred after the sewers had been cleaned, televised, prepped for lining, and approved by the Engineer before the sewers were lined. In such an event, the Contractor may request compensation for the re-cleaning of the pipes only. The re-cleaning must first be approved by the Engineer prior to the work beginning.

No compensation shall be provided for the removal and re-installation of the plugs due to wet weather events as described in Detailed Specification "Working in the Rain."

**NOISE CONTROL**

All noise generated by the bypass pumping operation shall not exceed the sound limits, and shall follow necessary procedures as required for temporary exemptions, as defined in Detailed Specification "Hours of Work." The Contractor shall provide a secondary sound barrier for both the primary and back-up pumps and any power generating equipment.

**FLOW DIVERSION AND BYPASS PUMPING COMPLETION**

At the end of the flow control operation, and after receipt of written permission from the Engineer, the Contractor shall remove all flow diversion and bypass pumping equipment, including level control system, temporary power equipment, and suction/discharge piping in a manner that permits the sewage flow to return to normal without overflowing to the environment, surcharging, or causing other major disturbances downstream. The Contractor shall restore all disturbed areas and structures, and restore all pavement in accordance with Detailed Specification, "Project Clean-Up and Restoration, Special" and as directed by the Engineer.

The duration of the bypass pumping shall be determined by the Contractor as needed to perform the work under this contract while maintaining un-interrupted sewage service.

**FLOW CONTROL PRECAUTIONS**

When flow in a sewer line is bypassed or plugged, sufficient precautions must be taken to protect the sewer liner and the Contractor's operations from damage that might result from sewer surcharging. Further, precautions must be taken to ensure that sewer flow control operations do not cause flooding or damage to

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public or private property being served by the sewers involved. At no time shall sewage be pumped in or allowed to flow into a catch basin, storm sewer, or open watercourse.

When using low-profile bypass road ramps, the Contractor shall check the pipe connections for leaks daily and whenever the pumps are started. The Contractor shall monitor the operation of bypass road ramps 24 hours per day 7 days per week during bypass operations. Advance warning signs shall be used to warn motorists of ramps.

**MEASUREMENT AND PAYMENT**

The completed work shall be paid for at the contract unit price for the following contract pay item:

<b><u>PAY ITEM</u></b>	<b><u>PAY UNIT</u></b>
Sewer Flow Control .....	Lump Sum

The contract unit price for this item shall include all labor, supervision, tools, permits, shop drawing submittals, materials, equipment, operation, any incidental items, and all other work as noted on the Drawings and as specified herein to allow the Contractor to perform the work of diverting and bypass pumping flows as detailed herein.

The installation, maintenance, operation, monitoring, and removal of the level sensors shall not be paid for separately, but shall be included in the item of work “Sewer Flow Control.”

The removal and replacement of pavement to install the bypass piping across driveways and roadways as shown in the approved Drawings shall not be paid for separately, but shall be included in the item of work “Sewer Flow Control.”

The cost for the sewer flow control shall be paid for as a Lump Sum item regardless of the duration, number of, and/or duration of the wet weather events encountered, flow encountered, weather conditions, or number of times flow control system is temporarily removed and re-installed.

30% of the lump sum shall be paid for Sewer Flow Control following the initial installation, 48-hour test, and acceptance of the system by the Engineer. The remainder of the cost shall be paid for at the conclusion of all flow diversion activities and after the removal of all equipment from the site.



**DETAILED SPECIFICATION  
FOR  
CLEANING AND TELEVISIONING SEWER AND MANHOLES**

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**DESCRIPTION**

This work shall consist of the cleaning and video inspection of sewer and siphon pipes, chambers, and manholes, and providing the required documentation as described herein. All work shall be performed in accordance with the City of Ann Arbor (City) Standard Specifications, except as modified herein, and as directed by the Engineer.

The Contractor is responsible for video recording and cleaning the pipe before lining, and video recording after lining. Pipeline inspection and videotaping shall be in accordance with National Association of Sewer Service Companies (NASSCO) Pipeline Assessment and Certification Program (PACP) requirements.

The Contractor is responsible for inspecting all manholes and chambers as indicated on the Drawings in accordance with NASSCO Manhole Assessment and Certification Program (MACP) Level 2 requirements.

**SUBMITTALS**

The Contractor shall provide a detailed sewer cleaning and televising plan to the Engineer for review and acceptance prior to beginning the work. This plan must include descriptions outlining all provisions and precautions to be taken by the Contractor regarding the handling of existing flow. The cleaning and televising plan must be specific, including such items as schedules, locations, type of equipment, details on water source, plans for disposal, and all other incidental items necessary and/or required to ensure proper protection of the facilities and surroundings, including protection of the access locations from damage, and compliance with the requirements and permit conditions specified in these Contract Documents.

The cleaning and televising plan shall be submitted to the Engineer for review and approval in accordance with Section 104.02 of the 2020 edition of the Michigan Department of Transportation Standard Specifications for Construction. No work shall begin until all provisions and requirements have been reviewed and accepted by the Engineer.

For each submittal and re-submittal, the Contractor shall allow at least 14 calendar days from the date of the submittal to receive the Engineer's acceptance or request for revisions. The Engineer's comments shall be incorporated into the re-submitted plans, calculations, and descriptions. The Engineer's acceptance of the plan is required before beginning the work. Re-submittals shall be reviewed and returned to the Contractor within 14 calendar days. Required revisions will not be a basis of payment for additional compensation, extra work, or an extension of contract time. The Contractor shall include time for this entire review process in their schedule.

Sewer cleaning and televising plan and submittals shall include at a minimum:

1. Copy of PACP/MACP Certifications for sewer televising personnel and manhole inspection personnel;
2. Proof of PACP/MACP certified software;
3. Safety program for confined space entry;
4. Information on equipment, trucks, tanks, etc., including, but not limited to, dimensions, required turning radius, fuel type, any special requirements, etc.;

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5. Staging areas for equipment, trucks, tankers, etc.;
6. Schedule for cleaning and televising of pipe lines, manholes, and chambers.;
7. Planned hours of operation, including equipment idling, etc.;
8. Number, size, material, and location of hose/piping;
9. Information on cleaning equipment;
10. Sludge and debris dewatering, transportation, and disposal procedure and location;
11. Environment protection including equipment and pipe containment, leak detection, and/or remediation plan; and,
12. Method of noise control for all equipment.

**CONSTRUCTION**

The Contractor shall carry out their operations in strict accordance with all Occupational Safety and Health Administration (OSHA), Michigan Occupational Safety and Health Administration (MIOSHA), and manufacturer's safety requirements.

**Safety.** – The Contractor shall be solely responsible for safety of all those involved with the work during the performance of all work. The Contractor shall not enter into any sewer segment where hazardous conditions may exist until such time as the source of those conditions is identified and eliminated by the Contractor. The Contractor shall perform all work in accordance with the latest OSHA confined space entry regulations. The Contractor shall coordinate their work with local fire, police, and emergency rescue unit.

The Contractor shall be responsible for any damage to public or private property resulting from their televising and cleaning activities and shall repair or otherwise make whole such damage at no cost to City and owner of the property.

**Flow Diversion/Lateral Bypass Pumping.**- The Contractor shall provide for the transfer of main line flow around the section or sections of pipe that are to be cleaned and televised, as required to complete cleaning, televising, and inspection work. The diverting and lateral bypass pumping work shall be performed in accordance with Detailed Specification “Sewer Flow Control” and as directed by the Engineer.

If the Contractor chooses to only divert part of the flow during their sewer cleaning operations, the Contractor must indicate that in their submittal, including which plugs would be installed. Contractor to note that all plugs, level sensors, and lateral bypass pumping system shall be in operation for the sewer televising, manhole inspections, and the chamber inspections.

**Sewer Cleaning.**- Each sewer section shall be cleaned to a degree sufficient to allow video inspection and cured-in-place pipe (CIPP) lining to be completed in accordance with this specification and Detailed

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Specification "CIPP Sewer Lining." The Contractor shall take precautions to protect the sewer lines from damage. The existing sewer has not been cleaned or inspected in decades. The Contractor shall assume the sewer will require heavy cleaning with unlimited passes to achieve a clean sewer and that rodding and root cutting shall be required and are included in the contract pay item.

The Contractor must adhere to the requirements of ASTM F1216 or ASTM F1606 for the following types of cleaning: hydraulic cleaning, high velocity hydro-cleaning, and mechanical cleaning.

Remove dirt, grease, rocks, sand, roots, and other solid or semisolid materials and obstructions from the sewer line and manholes. Cleaning shall be of the entire reach between manholes and/or chambers.

It shall be the responsibility of the Contractor to clear the line of obstructions such as solids, dropped joints, debris from collapsed pipe, sediment deposits, mineral deposits, stalactites, and all major blockages that would prevent sewer rehabilitation work to be performed at no additional cost to the project.

The sewers shall be cleaned by using a high pressure water cleaning machine with minimum capability of 5,000 pounds per square inch (psi) at 80 gallons per minute (gpm). A high pressure hose with a jet nozzle shall be introduced into the sewer so that a spray shall scour and clean the sewer line without applying internal pressure and damaging the pipe. This will require an unlimited amount of passes of the jet nozzle, or other cleaning measures to remove all debris. The hose shall be self-propelled by a minimum water pressure of 1,000 psi. Cleaning pressures to 5,000 psi may be required to remove heavy tuberculation and adhered debris from the pipe interior. The jet nozzle hose, upon withdrawal, will scour the pipe (invert, walls, and crown), flushing all materials into the downstream manhole for removal.

Due to the sensitive nature of the project work site the Contractor shall notify the Engineer for review and approval before proceeding.

Material removal shall be performed at the identified-for-access manholes for the cleaning operation. At no time during cleaning shall material be allowed to enter or flow in the sewer past the downstream access manhole. Passing material from manhole section to manhole section shall not be permitted. All debris and waste material shall be completely removed from the sanitary sewer system and shall be disposed of by the Contractor in accordance with Detailed Specification "Removal and Disposal of Sludge and Debris Material."

Mechanical root cutting shall be performed with powered equipment. The Contractor shall furnish suitable power machinery which shall be used to remove tree roots and deposits remaining after jet cleaning that prevent passage of television inspection equipment or prevent the lining of the sewer.

The Contractor shall provide digital video on DVD, flash drive, or hard drive that verify that the sewer is clean and free of sediment and debris to the satisfaction of the Engineer. If any sewer is not satisfactorily cleaned, it shall be promptly cleaned and re-inspected by closed-circuit television camera and video provided to the Engineer for review and approval.

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If the sewer has material and debris that prevents the proper installation of the CIPP, prohibits video inspection, or is not cleaned to the satisfaction of the Engineer, the sewer shall be re-cleaned and re-televised at the Contractor's sole expense.

The sewer shall not be lined until such time as the cleaning operations have been approved in writing by the Engineer. Field Inspection personnel shall not be allowed to authorize the Contractor to begin installation of the CIPP sewer liner.

Extensions of contract time will not be granted for delays associated with re-cleaning and re-televising the sewer except as outlined under Detailed Specification "Extension of Time, Additional Compensation."

The cleaning and removal of the material out of the sewer system shall be paid for as part of the "Clean \_\_\_-inch Dia. Sanitary Sewer" contract pay item. All other work necessary for the final disposal of the material shall be paid for as part of the "Removal and Disposal of Sludge and Debris Materials" contract pay item.

**Manhole and Chamber Cleaning.-** All sanitary manholes shall be cleaned to a degree sufficient to perform the Level 2 MACP manhole inspection and as acceptable to the Engineer. The manhole structures shall be cleaned below their invert elevations with a power vacuum, or other Engineer-approved method, to remove all sediment to allow for the inspection of the bottom of the structures.

The Contractor shall assume the manholes require heavy cleaning with multiple passes to achieve a clean manhole. Manhole cleaning shall be incidental to the sewer cleaning and no additional payment shall be provided.

**Sewer Television Inspection.-** The initial "pre-rehabilitation" television inspection of the sewers pipes shall be conducted within a week of the cleaning of each segment as long as the flow diversion and lateral bypass pumping system has remained in operation. Should the flow diversion have been temporarily suspended between the cleaning and the televising, or between the initial televising and the lining, then both the cleaning and televising shall be repeated at no additional cost to the project except as described in Detailed Specification "Extension of Time, Additional Compensation."

The camera must be operative in 100% relative humidity conditions. The live image obtained by the camera shall be transmitted to a color monitor of not less than 19 inches. The camera and monitor shall have a minimum 500 line resolution. The monitor shall be located inside the mobile recording studio.

Lighting for the camera shall be adequate to allow a clear picture of the entire periphery of the sewer and shall be varied as required to be effective for all pipe diameters inspected. Remote control of lighting brilliance, camera focus, and camera movement shall be from a control panel inside the mobile recording studio. Cables and equipment used to propel the camera shall not obstruct the camera view or interfere with the documentation of the sewer conditions.

The camera shall be moved through the sewer line at a uniform rate, maximum 30 feet per minute. Whenever possible, the camera shall move in an upstream direction. The camera shall be stopped for no less than 10 seconds at the manhole entrances, each service lateral, exit manholes, and at all points where the sewer is damaged or deficient. The camera shall pan and tilt to provide full view of each service lateral, and at all points where the sewer is damaged or deficient.

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If the camera fails to pass through a pipe section, the Contractor shall re-set the equipment and attempt to perform the inspection coming back from the next upstream, identified-for-access, and manhole. If the inspection cannot be completed from the next manhole, the inspection shall be considered complete and the Engineer will provide written instructions to the Contractor describing how to proceed with the work in that reach of sewer.

The cost of the initial television inspection shall be included in the Pay Item: "Clean \_\_\_-inch Dia. Sanitary Sewer". The post rehabilitation television inspection shall be performed once the liner has been installed and cured. No payment shall be provided for post rehabilitation television inspection.

**Manhole Inspection.-** All sanitary manholes 2 shall be Level 2 MACP inspected. The Level 2 MACP inspections shall gather detailed information to fully document all defects, determine condition of the manhole, and provide specific information needed to recommend corrective action. Level 2 MACP inspection shall use the established defect coding system found in the PACP to the extent possible.

**Line Obstructions/Repairs.-** If the pre-rehabilitation video inspection reveals areas that require excavation and removal of a section of pipe, and/or spot repair, the Contractor shall submit in writing a request for authorization to perform the excavation, removal, and spot repairs, along with sufficient proof that these repairs are indeed necessary. Such requests shall include method of spot repair, type and manufacturer of repair pipe, method of connection, etc., and shall be submitted prior to commencement of the rehabilitation process. If removal and replacement of pipe, spot repairs, or other measures are required to allow the sewer pipe to be properly rehabilitated, this will be paid for as Extra Work at a price as agreed upon between the Contractor and the Engineer.

**Documentation.-** The Contractor shall use the City's manhole numbering system on all project documentation. The City will provide the Contractor with utility maps or Drawings showing the manhole numbers.

The Contractor shall provide to the City inspection logs listing the location in relation to adjacent manholes of each infiltration point, service leads, unusual conditions, roots, sewer connections, collapsed sections, presence of scale and corrosion, cracked pipe, wide joints, and other discernible features. The logs shall indicate size and type of pipe material, length of line from manhole, and direction of sewage flow, if present. The logs shall also indicate the time and date of recording. Each log shall be named with the pipe inspections from starting manhole to terminus manhole for each stretch of sewer. All logs shall be in accordance with NASSCO PACP and MACP standards, Version 7.0.

The Contractor shall provide color photographs of sewer laterals and all problem areas.

A color DVD and suitable log with voice and/or computer generated description for both pre- and post-rehabilitation inspection shall be made by the Contractor and kept for later reference by the Engineer.

The Contractor shall supply the Engineer with two electronic copies of the entire and final televised program, including PACP database, MACP database, video pipe recordings, reports on two separate flash drives or portable hard drives. Each drive shall contain the entire package of information. The data shall be provided within 15 working days of completion of field work. The information for individual databases, sewer segments, and recordings shall not be split into several drives. The flash drives or portable hard drives and information within it shall become the property of the City.

**DETAILED SPECIFICATION  
FOR  
CLEANING AND TELEVISIONING SEWER AND MANHOLES**

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**MEASUREMENT AND PAYMENT**

The completed work shall be paid for at the contract unit price for the following contract pay item:

<b><u>PAY ITEM</u></b>	<b><u>PAY UNIT</u></b>
Clean __-inch Dia. Sanitary Sewer .....	Lineal Foot
Level 2 MACP Inspect Manhole .....	Each

Payment shall be made on a lineal foot basis for the cleaning and televising of sanitary sewer. Measurements shall be from manhole to manhole, and shall take place with both the Engineer and the Contractor (or their agents) present. Measurements shall be recorded and logged on a daily basis.

The unit prices for these items of work shall include all labor, material, and equipment costs to perform all the work specified herein.



**DETAILED SPECIFICATION  
FOR  
ITEM #221 - REMOVAL AND DISPOSAL OF SLUDGE AND DEBRIS MATERIAL**

**1 OF 2**

**DESCRIPTION**

This work shall consist of removal and disposal of sludge and debris material as a result of the sanitary sewer, manhole, and chamber cleaning operations.

**Sanitary Sewer Material.**- The material removed from cleaning the 36-inch sanitary sewer pipes and manholes shall be removed from the system as described in Detailed Specification, "Cleaning and Televising Sewer and Manholes" and hauled offsite for legal disposal.

The removal of the material out of the sewer system shall be paid for as part of the sewer or chamber cleaning contract pay item. All other work necessary for the final disposal of the material shall be paid for as part of the "Removal and Disposal of Sludge and Debris Material" contract pay item.

**Disposal.**- The Contractor shall remove the wet sludge, sediment, debris, and other material from the sewer system and dewater the material at an offsite location, in vacor trucks onsite, or by other means as required for legal disposal and as approved by the Engineer. No material shall be accumulated onsite unless approved by the Engineer. When removing waste, the material shall be decanted to remove as much of the free liquid as possible. If dewatering onsite, the Contractor may discharge the free liquid (supernatant) back into the sanitary sewer at a downstream manhole. The hauled off solids/sludge/material shall be transported in sealed transport trucks. Supernatant shall not be allowed to leak out of the transport trucks onto the roads.

The Contractor shall be responsible for all fees, including all testing fees, material transport, dewatering, drying, and disposal at an approved landfill facility. The Contractor shall provide certified manifests from the landfill, indicating in and out weights of all transport vehicles containing wastes absent of free liquids, to the Engineer.

**Solids Material Testing.**- Solid waste material holding free liquids are prohibited from disposal at municipal solid waste landfills. The Contractor shall demonstrate the absence or presence of free liquids in accordance with Method 9095B (Paint Filter Liquids Test) as described in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846. Material passing the Paint Filter Liquids Test shall be considered "dry."

The City of Ann Arbor (City) believes the sludge is not hazardous and can be disposed of in a Type II landfill. The landfill may require the Contractor to provide proof that the materials are non-hazardous prior to disposal. The Contractor shall be responsible for collecting a sample of the sludge and testing it prior to the start of the sewer/siphon/chamber cleaning.

The Contractor shall provide copies of the sampling results to the Engineer. If required by the landfill, the Contractor is responsible to re-test the material and verify there are no hazardous materials in the sludge and/or debris prior to shipping it to the landfill. No additional payment shall be made for testing or re-testing and verifying the material content.

**DETAILED SPECIFICATION  
FOR  
ITEM #221 - REMOVAL AND DISPOSAL OF SLUDGE AND DEBRIS MATERIAL**

**1 OF 2**

**MEASUREMENT AND PAYMENT**

The completed work shall include all labor, material, fees, tests, and equipment costs to perform all the work specified in the Detailed Specifications and as modified herein to properly dispose of the sediment, debris, sludge, and all other inert material removed from the sewer system.

The complete work as measured for these items of work will be paid for at the contract unit prices for the following contract pay items:

**PAY ITEM**

**PAY UNIT**

Removal and Disposal of Sludge and Debris Material ..... Tons

The item "Removal and Disposal of Sludge and Debris Material" shall be a paid for in tonnage of "dry" material absent of free liquids based on the landfill manifests and shall be payment in full for all materials, equipment, and labor necessary to complete this item, including drying the material to the point where it will pass the paint filter test as required by the disposal facility and transporting it to the landfill for disposal.

**DETAILED SPECIFICATION  
FOR  
CIPP SEWER LINING**

1 of 9

**DESCRIPTION**

This work shall consist of rehabilitating pipelines by the insertion of a resin impregnated flexible lining and cured-in-place to form a pipe. The cured-in-place pipe (CIPP) shall be saturated with a thermosetting resin and inserted into the existing pipeline. Curing shall be accomplished by circulating hot water only to harden the resin into a hard impermeable pipe. When cured, the hardened CIPP shall be a tight fitting watertight pipe within a pipe. The CIPP shall be continuous from manhole to manhole with no circumferential joints or seams. Except as otherwise specified herein, all work shall be performed in accordance with the City of Ann Arbor (City) Public Services Area Standard Specifications, and as directed by the Engineer.

For a CIPP system to be considered acceptable, the CIPP system must have at least two million lineal feet of successful, documented installations, a minimum of 250,000 lineal feet of which shall have been in Midwestern United States or Canada.

When requested by the Engineer, the Contractor shall submit test results from previous field installations of the same resin system and tube materials as proposed for this installation. The test results must verify that the CIPP physical properties specified in this Detailed Specification have been achieved in the field.

The lining operation shall not begin until the sewer has been cleaned and video inspected in accordance with the Detailed Specification "Cleaning and Televising Sewer and Manholes" and authorization to begin by the Engineer has been granted.

**DESIGN CONSIDERATIONS**

The required structural CIPP wall thickness shall be based, at a minimum, on the physical properties of the cured composite and per the design of the Professional Engineer. The finished liner shall be designed per ASTM F1216 Appendix X1 for the following condition:

Condition .....	Fully deteriorated gravity pipe
Safety Factor .....	2
Ovality .....	As measured by Contractor during sewer inspection, assume 2% for bidding purposes
Soil Density .....	130 pounds per cubic foot (lbs/cft)
Soil Modulus.....	700 pounds per square inch (psi) for pipe inverts up to and including 15 feet deep, 1,000 psi for pipe inverts greater than 15 feet deep
Groundwater Depth:.....	As field verified
Surcharge Loading .....	HS-20 (Highway) when any part of the sewer is under any major street, county road, or state highway; E-80 (Railroad) when under any railroad.

**DETAILED SPECIFICATION  
FOR  
CIPP SEWER LINING**

**2 of 9**

The acceptable resin system values to be incorporated into the formula for liner thickness shall not be greater than the following:

Table 1

	Polyester	Enhanced Polyester	Vinyl Ester	Epoxy
Short Term Flexural Modulus (psi)	300,000	400,000	250,000	300,000
Long Term Flexural Modulus (psi)	150,000	200,000	125,000	150,000
Creep Retention Factor	50%	50%	50%	50%
Flexural Strength (psi)	4,500	4,500	4,500	5,000

Where the requirements of this specification conflict with ASTM F 1216 or ASTM D5813 this Detailed Specification shall govern.

The Contractor shall determine the liner thickness and resin quantity for this project per ASTM F1216, Appendix X1. Liner thickness, resin, and resin quantity shall be furnished to the Engineer for review and approval prior to beginning work. The design calculations for wall thickness shall be completed by a Professional Engineer proficient in the design of pipeline systems, licensed in the State of Michigan, with design calculations signed and sealed. The CIPP design shall assume no bonding to the original pipe wall.

The Contractor shall submit, prior to installation of the lining materials, certification of compliance with these specifications. Certified material test results shall be included that confirm that all materials conform to these specifications. Materials not complying with these requirements will be rejected.

For each submittal and re-submittal, the Contractor shall allow at least 14 calendar days from the date of the submittal to receive the Engineer's acceptance or request for revisions. The Engineer's comments shall be incorporated into the re-submitted plans, calculations, and descriptions. The Engineer's acceptance of the submittal is required before beginning the work. Re-submittals shall be reviewed and returned to the General Contractor within 14 calendar days. Required revisions will not be a basis of payment for additional compensation, extra work, or an extension of contract time. The Contractor shall include time for this entire review process in their schedule.

**MATERIAL**

All materials shipped to the project site shall be accompanied by test reports certifying that the material conforms to the ASTM standards listed herein. Materials shall be shipped, stored, and handled in a manner consistent with written recommendations of the CIPP system manufacturer to avoid damage. Onsite storage locations shall be as indicated on the Drawings and approved by the Engineer.

**Preliner Tube.-** The preliner shall be a polyethylene material compatible with the lining system, and shall be utilized where necessary to accommodate infiltration, damaged, or missing pipe.

**Felt Liner Tube.-** The tube shall consist of one or more layers of absorbent, flexible, non-woven felt material. The tube shall be capable of carrying the specified resin, constructed to be able to withstand installation pressures and curing temperatures, have sufficient strength to bridge missing pipe and stretch to fit irregular pipe sections at all pipe locations, and be compatible with the resin used.

**DETAILED SPECIFICATION  
FOR  
CIPP SEWER LINING**

**3 of 9**

The outer tube coating shall consist of an impermeable, flexible membrane that contains the resin and allows for visual inspection and verification of proper resin impregnation (“wet-out”) procedure. The coating shall hold the resin inside the tube without leakage, accommodate installation, and stretch to the size and shape of the existing sewer, and shall not delaminate before, during, or after curing.

The tube shall have a uniform thickness that when compressed at installation pressures will meet, or exceed, the design thickness. The thickness of the tube shall be calculated based upon the resin system values given in this Detailed Specification.

The CIPP wall thickness shall be calculated from the equation in ASTM F1216, Appendix X1, based upon the parameters given in this Detailed Specification. The minimum CIPP wall thickness shall be not less than the value calculated by that equation. Any layers of tube that are not saturated with resin and capable of being cured shall not be deemed to have been included in the calculated CIPP wall thickness.

The tube shall be fabricated to a size and length that when installed will fit sufficiently tight within the existing pipe so as to not leak at manholes, at service connections, or through the wall of the installed pipe. The tube shall be properly sized to the diameter of the existing pipe and the length to be rehabilitated and be able to stretch to fit irregular pipe sections and negotiate bends. The Contractor shall determine the minimum tube length necessary to effectively span the designated run between manholes. The Contractor shall verify the lengths in the field prior to impregnation of the tube with resin, to ensure that the tube will have sufficient length to extend the entire length of the run. The Contractor shall also measure the inside diameter of the existing pipelines in the field prior to ordering liner so the liner can be installed in a tight-fitted condition. Allowance for circumferential stretching of the tube during insertion shall be made as per manufacturer's recommendations. Overlapped layers of felt in the longitudinal seam that cause lumps in the final product shall not be utilized.

The tube shall be homogeneous across the entire wall thickness containing no intermediate or encapsulated elastomeric layers. No material shall be included in the tube that may cause delamination in the cured CIPP. No dry or unsaturated layers shall be evident.

The wall color of the interior pipe surface of the CIPP after installation shall be a light reflective color so that a clear detail examination with closed circuit television inspection equipment may be made. The hue shall be dark enough to distinguish a contrast between the fully resin saturated felt fabric and dry or resin lean areas.

Seams in the tube shall be stronger than the unseamed felt and shall meet the requirements of ASTM D5813. Where the length of the tube to be installed requires joining along the circumference of the tube, the sewn joint shall not be perpendicular to the long axis but spirally formed and sewn.

The outside of the tube shall be marked for distance at regular intervals along its entire length, not to exceed 5 feet. Such markings shall include the manufacturers name or identifying symbol. The tubes must be manufactured in the USA.

The length of the tube shall be that deemed necessary by the Contractor to effectively carry out the insertion and seal the pipe at the inlet and outlet points, plus that amount required to run-in and run-out for the

**DETAILED SPECIFICATION  
FOR  
CIPP SEWER LINING**

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installation process. The Contractor shall verify the lengths in the field before cutting the tube to length. Lengths of sewer shall be lined over one or more access points as shown on the Drawings.

**Resin.-** Resin shall be a polyester, enhanced polyester, vinyl ester, or epoxy system including all required catalysts, initiators, or hardeners that when cured within the tube creates a composite that satisfies the requirements of ASTM F1216 and ASTM F1743, the physical properties herein, and those which are to be utilized in the design of the CIPP for this project. Resin selected shall be resistant to the chemical composition of the sewage and comply with the structural requirements of this specification.

**Resin selected shall be Styrene-Free.**

The resin shall be thermosetting resin that is compatible with the lining process and shall meet the requirements of ASTM F1216 except as otherwise specified in this Detailed Specification. The resin shall be able to cure in water with an initiation temperature for cure as required by the liner manufacturer, but not greater than maximum temperatures required under ASTM F1216. The cured resin/felt system shall be suitable for the expected conditions within the existing sanitary sewer.

The Contractor is responsible for choosing a resin system that is capable of meeting the physical and cured-in-place properties and performance requirements as detailed in this specification.

**Field Cured Line.-** The completed liner as installed and fully cured-in-place shall meet the minimum physical properties for short term flexural modulus and flexural strength as shown in Table 1.

**Remote Temperature Sensing Devices.-** Fiber optic probes shall be installed to monitor the average temperature along the entire length of the tube as it cures. Devices shall be provided by VeriCure or an Engineer-approved equal.

**CONSTRUCTION METHODS**

The Contractor shall carry out their operations in strict accordance with all Occupational Safety and Health Administration (OSHA), Michigan Occupational Safety and Health Administration (MIOSHA), and manufacturer's safety requirements. The Contractor shall be solely responsible for safety during the performance of all work. The Contractor shall not enter into any sewer segment where hazardous conditions may exist until such time as the source of those conditions is identified and eliminated by the Contractor and/or the City. The Contractor shall coordinate their work with local fire, police, and emergency rescue unit.

The Contractor shall be responsible for any damage to public or private property resulting from their sewer lining or televising activities and shall repair or otherwise make whole such damage at no cost to the City.

**Cleaning of Pipelines.-** Prior to rehabilitation of any sewer, it shall be the responsibility of the Contractor to remove all internal deposits from the pipeline. This shall include dirt, debris, mud, bricks, grease or oils, mineral deposits, root masses, pieces of broken pipe, etc. Cleaning of sewer shall be in accordance with the City of Ann Arbor Public Services Area Standard Specifications, Detailed Specification "Cleaning and Televising Sewer, Manholes, and Chambers," and as directed by the Engineer.



**DETAILED SPECIFICATION  
FOR  
CIPP SEWER LINING**

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**Pre-Rehabilitation Inspection of Pipelines.-** Inspection of pipelines shall be performed after the pipe has been cleaned, by experienced personnel trained in locating breaks, obstacles, and service connections by closed circuit television.

The interior of the pipeline shall be carefully inspected to determine the location and extent of any structural failures. The location of any conditions which may prevent proper installation of lining materials into the pipelines shall be noted so these conditions can be corrected as specified in this Detailed Specification and Detailed Specification "Cleaning and Televising Sewer, Manholes, and Chambers".

**Diverting/Bypassing Flow.-** The Contractor shall provide for the transfer of main line and/or lateral flow around the section or sections of pipe that are to be cleaned, televised, and rehabilitated. The work shall consist of diverting, pumping, and bypassing flow in the existing sewers in accordance with Detailed Specification "Sewer Flow Control" and as directed by the Engineer.

**Line Obstructions.-** It shall be the responsibility of the Contractor to clear the line of obstructions such as solids, dropped joints, root masses, protruding branch connections, or broken pipe that will prevent proper insertion of the liner in accordance with Detailed Specification "Cleaning and Televising Sewer, Manholes, and Chambers" and as directed by the Engineer.

**Installation of Resin Impregnated Tube.-** The Contractor shall designate a location where the uncured resin in the original containers and the unimpregnated liner will be resin impregnated prior to installation. The Contractor shall allow the Engineer to inspect the materials and procedure. A resin and catalyst system compatible with the requirements of this Detailed Specification shall be used. The quantities of the liquid thermosetting materials shall be provided in accordance with manufacturer's standards to provide the cured liner properties specified. Sufficient resin shall be used to fill the volume of air voids in the liner with additional allowance for polymerization, shrinkage, and loss of resin through cracks and irregularities in host pipe wall. The Contractor shall ensure the proper amount of resin is uniformly distributed throughout the entire length of the tube.

The wetting out, installation, and curing of the resin impregnated tube shall be in accordance with ASTM F1216 and per manufacturer's specifications. The tube shall be inserted through existing opening by means of an inversion process, the application of a hydrostatic head sufficient to fully extend the liner to the next designated access point, or other means as approved by the Engineer.

The process will be adjusted as necessary to ensure a complete lining without over-stressing or tearing the lining, with sufficient pressure to hold the liner snug to the pipe wall, and to produce dimples at side connections and flared ends at the entrance and exit access points. The use of a lubricant is recommended and if used, such lubricant shall be compatible with the rehabilitation process.

The manufacturer's standards shall be closely followed during the elevated curing temperature so as not to over-stress the felt fiber and cause damage or failure of the liner prior to cure.

**Curing.-** Hot water is required for full length liners. After installation of the resin impregnated liner is completed, the Contractor shall supply a suitable heat source and water recirculation equipment as necessary to cure the liner. The equipment shall be capable of delivering hot water to the far end of the liner through a hose, which has been perforated per manufacturer's recommendations, to uniformly raise

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**DETAILED SPECIFICATION  
FOR  
CIPP SEWER LINING**

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the water temperature in the entire pipe above the temperature required to affect a cure of the resin. This temperature shall be determined by the resin/catalyst system employed.

For quality control during the CIPP lining operation, the Contractor shall utilize remote temperature sensing devices placed between the host pipe and the liner to continuously monitor the liner cure incrementally every 18 inches or less to verify that an exothermic reaction has occurred and that a full cure has taken place along the full length of the CIPP liner. Measuring temperatures at the liner endpoints only will not be permitted. The cure information must be taken from the bottom third of the pipe liner. Cure parameter information shall be provided by the resin manufacturer.

Liner and/or host pipe interface temperature shall be monitored and logged during curing of the liner. The monitoring system must have the ability to be remotely viewed live by the Engineer. Data collected shall be provided to the Engineer in Excel spreadsheet and graphical viewer formats at the same time as the post-lining inspection videos are provided.

Initial cure shall be deemed to be completed when the remote sensing devices reflect that the cure temperature, as recommended by the resin/catalyst system manufacturer, have been achieved. The cure period shall be of a duration recommended by the resin manufacturer, as modified for site-specific conditions, during which time the recirculation of the water and cycling of the heat exchanger to maintain the temperature in the liner continues.

**Cool-Down.**-The Contractor shall cool the CIPP in accordance with the CIPP manufacturer's recommendations, to a temperature below 100°F before relieving the static head in the liner. Temperatures and curing data shall be monitored and recorded by the Contractor throughout the installation process to ensure that each phase of the process is achieved in accordance with the CIPP manufacturer's recommendations. Cool-down may be accomplished by the introduction of cool water into the liner to replace water being drained from the downstream end. Care shall be taken in the release of the static head such that a vacuum will not be developed that could damage the newly installed liner. The cooled water shall be released to the existing sanitary sewer at a rate that is approved by the Engineer and the City of Ann Arbor's Waste Water Treatment Plant (WWTP) superintendent.

**Finish.**- The cured liner shall be continuous over the entire length of an insertion run and be as free as commercially practicable from visual defects such as foreign inclusions, dry spots, pinholes, and delamination. The lining shall be impervious and free of any leakage.

Any defects which will affect the integrity of the liner, or any deficiencies in required strengths or thicknesses, shall be repaired or removed and replaced at the Contractor's expense, in a manner acceptable to the Engineer.

**Sealing Liner at the Ends.**- A seal, consisting of a hydrophilic sealing gasket compatible with the installed CIPP, shall be installed at each manhole/pipe wall interface. The seal shall be a seamless molded tubular design that swells in the presence of water. The seal shall be secured in place by a retaining ring.

**Post-Rehabilitation Television Inspection.**- The completed sewer shall be television inspected and color videotaped, by the Contractor, in accordance with Detailed Specification "Cleaning and Televising Sewer and Manholes" No payment shall be provided for post rehabilitation television inspection.

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**DETAILED SPECIFICATION  
FOR  
CIPP SEWER LINING**

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**Acceptance Tests.**- The Engineer shall perform Acceptance Testing in accordance with ASTM F1216 (including appendices) and ASTM D5813.

The Contractor shall prepare plate test samples to be cured with the CIPP operation. The Contractor shall capture and prepare 10 sample specimens of the liner for the Acceptance Testing to be performed by the Engineer for each section of sewer lined in accordance with Section 8 of ASTM F1216 for testing flexural strength and delamination. The Contractor shall prepare the samples for shipment to the laboratory, including cutting samples to proper length and width as described in the applicable ASTM test procedures. Samples shall be labeled for date, diameter, section of sewer, and delivered to the Engineer for testing. The cost of the sample postage, shipping, and testing will be paid for by the City. When tested, each sample shall meet the physical properties for flexural modulus and flexural strength used in the design calculations.

Air testing on isolated sections of sewer (minimum of 2 to 3 feet in length) shall be required if post-rehabilitation inspection indicates leaks in the liner. Air testing shall be performed on longer sections or multiple sections of sewer as required to identify the location(s) and full extent of defects. Such testing shall be performed by the Contractor at no additional expense to the project.

CIPP wall thickness shall be verified in accordance with Section 8.6 of ASTM F1216 and using test methods consistent with Section 8.1.2 of ASTM D5813.

The Engineer will have all flexural and delamination testing performed by an independent, ASTM-certified testing laboratory. The testing laboratory shall submit all test results directly back to the Engineer within 14 calendar days. The Engineer will provide a written copy of the test results to the Contractor within 3 business days of receiving them from the laboratory. The Contractor may elect to restore flow in the mainline sanitary sewer during this period of time. However, if the test results indicate that the liner fails to meet the project requirements and that remedial work is required to be performed, the Contractor shall perform any required cleaning in order to allow the remedial work to be performed at no additional cost to the project.

Should the test results indicate that the liner fails to meet the required physical properties as specified herein, the work shall be rejected. The Contractor shall have up to 10 calendar days to propose a repair/replacement plan consistent with the requirements of Section d.15 of this Detailed Specification for the Engineer's review and acceptance.

While repair/replacement work is performed, the Contractor shall continue to be responsible for maintaining flows in the mainline and lateral sanitary sewers in accordance with the requirements of the Detailed Specification "Sewer Flow Control." The unit price for the item of work "Sewer Flow Control" shall not be adjusted for any increase in contract time or required work due to the repair or replacement of defective materials or faulty workmanship.

The Contractor shall remove and replace or repair any defects in the installed liner to the satisfaction of the Engineer at no additional cost to the project. Contract time will continue during the period of time from the receipt of failing test results to the completion of the repairs.

**DETAILED SPECIFICATION**

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**FOR  
CIPP SEWER LINING**

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**Clean-Up.-** Upon completion of the installation work and after required testing indicates the linings are acceptable, the Contractor shall restore the project area affected by their operation in accordance with Detailed Specification “Project Clean-Up and Restoration, Special.”

**Traffic Control.-** During the entire rehabilitation process, the Contractor shall provide all necessary barricades, signs, traffic regulators (flaggers), minor traffic devices, etc., to maintain both vehicular and pedestrian traffic in accordance with the Michigan Manual of Uniform Traffic Control Devices, as shown on the Drawings, and in accordance with Detailed Specification “Maintenance of Traffic.”

**Warranty.-** The materials used for the project shall be certified by the manufacturer for the specified purpose. The Contractor shall warrant the liner material and installation for a period of 2 years. During the Contractor warranty period, any defect which may materially affect the integrity, strength, function, and/or operation of the pipe, shall be repaired at the Contractor’s expense in accordance with procedures described in this Detailed Specification, Section d.15, “Liner Repair/Replacement,” and as recommended by the manufacturer.

The Contractor shall conduct warranty CCTV inspection of sewers which were lined. This work shall be completed at the Contractor’s expense, no sooner than 2 months prior to the expiration of the original warranty period. The televising shall be performed in the presence of the Engineer. Television inspection that is not performed within the presence of the Engineer will not be accepted and shall be performed again at the Contractor’s sole expense. Any areas that do not meet the requirements of this Detailed Specification will be repaired or re-lined at no additional cost to the City.

**Liner Repair/Replacement.-** The Contractor shall submit their Liner Repair/Replacement Plan and all design calculations to the Engineer for review and acceptance. The plan shall include:

- A. The Contractor shall outline specific repair or replacement procedures for potential defects that may occur in the installed liner, in accordance with recommendations by the liner system manufacturer.
- B. The manufacturer shall provide a detailed step by step repair procedure, resulting in a finished product meeting the estimated life cycle of the component and requirements of these Detailed Specifications. For the purposes of this project, the life-cycle of this rehabilitation shall be considered to be 50 years.
- C. Should a potential issue be un-repairable, in the opinion of the Engineer, the Contractor, together with the manufacturer, shall define the best recommended procedure for the total removal and replacement of the system.
- D. The Contractor shall receive no additional compensation for the repair or replacement of systems deemed non-conforming to the requirements of these Contract Documents and unacceptable by the City.

**DETAILED SPECIFICATION  
FOR  
CIPP SEWER LINING**

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**MEASUREMENT AND PAYMENT**

The completed work as measured for this item of work will be paid for at the contract unit price for the following contract item:

<b><u>Pay Item</u></b>	<b><u>Pay Unit</u></b>
CIPP Line __-inch Dia. Sanitary Sewer.....	Lineal Foot
Preline __-inch Dia. Sanitary Sewer.....	Lineal Foot

Rehabilitation of sanitary sewer will be paid for at the contract unit price per lineal foot. The contract unit price paid shall be payment in full for all labor, material, and equipment required for rehabilitation of existing sanitary sewers by insertion of a CIPP liner and shall include, but is not limited to; furnishing, transporting, preparing, and installing the structural pipe liner and CIPP end seals; furnishing and installing remote temperature sensing devices used during the liner curing process; reconnecting existing sewers or leads; performing any needed liner repairs; gaining access to work site; removal and replacement of site improvements; post-lining sewer televising; all required warranty work; and all other work and items necessary to complete the work as detailed within this Detailed Specification.

**DETAILED SPECIFICATION  
FOR  
ITEM #228 - REMOVE CONCRETE CURB OR CURB & GUTTER –  
ANY TYPE, MODIFIED  
ITEM #229 - REMOVE CONCRETE SIDEWALK, RAMP AND DRIVES –  
ANY THICKNESS, MODIFIED**

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**DESCRIPTION**

This work shall consist of removing concrete curb, gutter, curb and gutter, integral curb, concrete pavement, sidewalk, sidewalk ramps, drive openings, and drive approach pavements as shown on the plans, as detailed in the Specifications, and as directed by the Engineer, in accordance with Section 204 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, except as specified herein, and as directed by the Engineer.

**CONSTRUCTION METHODS**

Curb, gutter, curb and gutter, sidewalk, sidewalk ramps, drive openings, and drives shall be replaced within 24 hours of their removal.

The Contractor shall remove concrete curb, gutter, curb & gutter, integral curb, pavement, sidewalk, sidewalk ramps, drive openings, and drives, all regardless of the type and thickness, and all as shown on the Plans, as detailed in the Specifications, and as directed by the Engineer.

Prior to the start of removals, the Engineer and Contractor together shall field measure all removals. The Engineer shall approve of all removal limits prior to any removals being performed by the Contractor.

The Contractor shall perform full-depth saw cutting at removal limits, including those necessary to construct 2-foot wide MDOT Type M drive openings, and including those necessary to provide for the partial removal of existing drive approaches as shown on the Plans, as directed by the Engineer, and as marked for removal. The Contractor shall cut steel reinforcement bars as directed by the Engineer at all areas of removal. All saw cutting shall be performed under wet conditions to prevent excessive airborne dust. All resulting slurry and debris shall be cleaned up to the satisfaction of the Engineer.

The Contractor shall remove, salvage, and deliver to any location within the City limits, or to any City-owned property, and neatly stack/stockpile all bricks, if present, as directed by the Engineer.

The Contractor shall excavate, cut, remove stumps, remove brush, grade, and trim as needed and as directed, and shall import, furnish, fill, place, grade, and compact granular material as needed to: construct new concrete items; to repair or replace existing concrete items; to relocate existing concrete items to their new specified/directed elevations/locations, including all necessary grading at elevation changes of curb and gutter, sidewalks and ramps; and at locations where existing concrete items are to be removed and turf is to be established in its place.

**The Contractor shall coordinate with the City Forester prior to the removal of any tree roots.**

At various times throughout the work, the Engineer may direct the Contractor to use smaller and/or lighter equipment, and to defer certain work tasks, in order to protect the grade and/or adjacent areas. The Contractor shall not be entitled to any additional compensation for the use of smaller equipment, lighter equipment, or work task deferral.

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**DETAILED SPECIFICATION  
FOR  
ITEM #228 - REMOVE CONCRETE CURB, GUTTER, OR CURB & GUTTER –  
ANY TYPE, MODIFIED  
ITEM #229 - REMOVE CONCRETE SIDEWALK, RAMP AND DRIVES –  
ANY THICKNESS, MODIFIED**

**2 of 3**

The Contractor shall re-shape, re-grade, and re-compact the existing roadbed materials to the cross-section(s) as indicated on the Plans, as detailed in the Specifications, and as directed by the Engineer.

The Contractor shall use blade graders, maintainers, vibratory rollers, and/or other equipment as necessary, and as directed by the Engineer. The use of each specific piece of equipment is subject to the approval of the Engineer.

The Engineer may direct aggregate base materials to be either removed from or added to the job-site, to properly complete the work. Where the Engineer directs the addition of such materials, they shall be paid for as either the Item of Work: “Aggregate Base”. Where the Engineer directs such materials to be removed, they will not be paid for separately, but shall be included in the appropriate concrete removal item.

Concrete pavement removals shall be performed in accordance with the MDOT 2012 Standard Specifications, Section 603.03.B.1.b, Removing Pavement (Repair), except as modified herein. The item of work “Remove Concrete Pavement (Repair) - Any Thickness” refers to the removal of existing concrete pavement and concrete pavement base within the width of the street (i.e. edge-of-metal to edge-of-metal). Concrete removal outside the edge-of-metal shall be paid for as the appropriate item of either “Remove Concrete Curb or Curb & Gutter - Any Type, Modified”, or “Remove Concrete Sidewalk, Ramp and Drives - Any Thickness, Modified”.

Where existing concrete curb or curb & gutter is to be replaced on a street with a concrete (or brick) base, the Engineer may direct the Contractor to remove a 1-to-2-foot wide, full-depth section of pavement and pavement base from immediately in front of the curb & gutter. As part of this pavement/base removal, the Contractor shall perform additional (double) full-depth saw-cutting along the entire removal limits, and shall take sufficient care so as not to damage and/or disturb any adjacent pavement, pavement base, and/or any other site feature, all as directed by the Engineer. The removals shall be to a sufficient width and depth to allow for the placement and removal of the curb & gutter formwork. After the removal of the formwork, the Contractor shall replace the concrete base to its original thickness and elevation(s).

The Contractor shall remove composite pavement (HMA pavement overlaid on concrete/brick pavement or concrete/brick pavement base) of any thickness(es) as directed by the Engineer. This work shall be paid for as “Remove Concrete Pavement (Repair) - Any Thickness”. The work of removing HMA pavement overlays where concrete/brick pavement or concrete/ brick pavement base is to be removed will not be paid for separately.

Excavated/removal areas shall be adequately protected with barricades or fencing at all times.

Removed or excavated materials which are not incorporated into the work shall become the property of the Contractor and shall be immediately removed and properly disposed of off-site. Removed or excavated materials may not be stockpiled overnight on, or adjacent to, the site.

Subbase or subgrade removed without authorization by the Engineer shall be replaced and compacted by the Contractor at the Contractor's expense, with materials specified by the Engineer.

**DETAILED SPECIFICATION  
FOR  
ITEM #228 - REMOVE CONCRETE CURB, GUTTER, OR CURB & GUTTER –  
ANY TYPE, MODIFIED  
ITEM #229 - REMOVE CONCRETE SIDEWALK, RAMP AND DRIVES –  
ANY THICKNESS, MODIFIED**

**3 of 3**

**MEASUREMENT AND PAYMENT**

Sidewalk ramp removal shall be measured and paid for as “Remove Concrete Sidewalk, Ramp and Drives - Any Thickness, Modified”.

Integral curb and gutter that is removed as part of “Remove Concrete Pavement (Repair)” shall be measured and paid for by the square yard, along with the pavement removal quantity.

All sawcutting required for removals shall be included in the appropriate item of work, and will not be paid for separately. Payment for saw cutting to create or modify Type M openings and to allow for the partial removal of existing drives shall be included in the price of the item of work, “Remove Concrete Sidewalk, Ramp and Drives - Any Thickness, Modified”, and will not be paid for separately.

Concrete removal items shall be field measured and paid for at the Contract Unit Prices for their respective Contract (Pay) Items as follows:

<b><u>PAY ITEM</u></b>	<b><u>PAY UNIT</u></b>
Remove Concrete Curb or Curb & Gutter - Any Type, Modified	Lineal Foot
Remove Concrete Sidewalk, Ramp and Drives - Any Thickness , Modified	Square Foot

The unit prices for these items of work shall include all labor, material, and equipment costs to perform all the work specified in the Standard Specifications and as modified by this Detailed Specification.

**DETAILED SPECIFICATION  
FOR  
ITEM #230 – AGGREGATE BASE**

**1 of 1**

**DESCRIPTION**

This work consists constructing an aggregate base course on a surface approved by the Engineer. Work will be performed in accordance with Section 302 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, and as directed by the Engineer.

**MATERIALS**

Aggregate Base material will be Dense-Graded Aggregate 21AA in accordance with that specified in Section 902 of the MDOT 2012 Standard Specifications for Construction.

**CONSTRUCTION METHODS**

Aggregate Base will be constructed in accordance with Section 302.03 of the MDOT 2012 Standard Specifications for Construction, and as directed by the Engineer.

**MEASUREMENT AND PAYMENT**

The completed work will be paid for at the contract unit price for the following contract item (pay item).

**PAY ITEM**

Aggregate Base

**PAY UNIT**

Ton

**Aggregate Base** will be measured by the unit ton in accordance with Section 302.04 of the MDOT 2012 Standard Specifications for Construction, and as directed by the Engineer, and will be paid for at the unit price per ton. The unit price for this contract item includes all labor, material, and equipment costs required to perform the work.

**DETAILED SPECIFICATION  
FOR  
ITEM #231 – HAND PATCHING**

**1 of 1**

**DESCRIPTION**

This work consists of filling holes, depressions, joints, cracks, voids, and opens cut areas in HMA pavements. Work will be performed in accordance with Section 501 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, and as directed by the Engineer.

**MATERIALS**

Materials will be in accordance with those specified in Section 501 of the MDOT 2012 Standard Specifications for Construction, and as directed by the Engineer.

**CONSTRUCTION METHODS**

Hand Patching will be constructed in accordance with Section 501 of the MDOT 2012 Standard Specifications for Construction, and as directed by the Engineer.

**MEASUREMENT AND PAYMENT**

The completed work will be paid for at the contract unit price for the following contract item (pay item).

**PAY ITEM**

**PAY UNIT**

Hand Patching

Ton

**Hand Patching** will be measured by the unit ton and will be paid for at the unit price per ton. The unit price for this contract item includes all labor, material, and equipment costs required to place the HMA, by hand or other methods, and compact the material.

**DETAILED SPECIFICATION  
FOR  
ITEM #232 – CONCRETE CURB OR CURB & GUTTER - ANY TYPE  
ITEM #233 – 4” INCH CONCRETE SIDEWALK, MODIFIED  
ITEM #234 – 6” CONCRETE SIDEWALK, RAMP OR DRIVE APPROACH, MODIFIED  
ITEM #235 – 6” CONCRETE SIDEWALK, RAMP OR DRIVE APPROACH, HIGH-EARLY  
ITEM #236 - CONCRETE TYPE M DRIVE OPENING, HIGH-EARLY**

1 of 5

**DESCRIPTION**

This work shall consist of constructing concrete items including curb, gutter, curb and gutter, sidewalks, drive approaches, and drive openings, all of any type and/or dimensions, all of either regular, fiber mesh reinforced, and/or high-early concrete, in accordance with Sections 801, 802, and 803 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, except as specified herein, as shown on the Plans, as described in this Detailed Specification, and as directed by the Engineer.

**The Contractor is responsible to construct all sidewalks, sidewalk ramps, curbs, and all other concrete items within ADAAG compliance.** All sidewalks and curb ramps must be constructed in accordance with MDOT Standard Plan R-28-H or version of standard plan/detail in place at time of the bid letting if different.

In addition, all concrete items of work shall comply with the Detailed Specifications for Concrete Durability and Concrete Placement and Protection.

**MATERIALS**

Concrete mixtures shall be as follows (or as directed by the Engineer), and concrete materials shall meet the requirements specified in the referenced sections of the MDOT Standard Specifications for Construction:

<u>Item Description</u>	<u>Concrete Mixture</u>	<u>MDOT Section</u>
Concrete Curb or Curb & Gutter – Any Type	P1, S2	601, 701
4" Concrete Sidewalk, Modified	P1, P2, S2, S3	601, 701
6" Concrete Sidewalk, Ramp, Drive Approach, Modified	P1, P2, S2, S3	601, 701
6" Concrete Sidewalk, Ramp, Drive Approach, High-Early	P-NC	601
Concrete Type M Drive Opening, High-Early	P-NC	601

**CONSTRUCTION METHODS**

General

Curb, gutter, curb and gutter, sidewalk, sidewalk ramps, drive openings, and drives shall be replaced the same day they are removed.

Concrete items, including sidewalk, non-integral curb/gutter, drives, and structure adjustments shall be completed prior to the placement of pavement.

All subgrade work shall be completed prior to placing concrete items, unless directed or approved by the Engineer.

**DETAILED SPECIFICATION  
FOR  
ITEM #232 – CONCRETE CURB OR CURB & GUTTER - ANY TYPE  
ITEM #233 – 4” INCH CONCRETE SIDEWALK, MODIFIED  
ITEM #234 – 6” CONCRETE SIDEWALK, RAMP OR DRIVE APPROACH, MODIFIED  
ITEM #235 – 6” CONCRETE SIDEWALK, RAMP OR DRIVE APPROACH, HIGH-EARLY  
ITEM #236 - CONCRETE TYPE M DRIVE OPENING, HIGH-EARLY**

**2 of 5**

The subbase shall be trimmed to final elevation before placing curb. Curb shall not be placed on a pedestal or mound.

The Contractor shall excavate, cut, remove stumps, remove brush, remove pavement, grade, and trim as needed and as directed, and shall import, furnish, fill, place, grade, and compact Class II granular material and 21AA Aggregate material as needed to: construct new concrete items; to repair or replace existing concrete items; to relocate existing concrete items to their new specified/directed elevations/locations, including all necessary grading at elevation changes of curb and gutter, sidewalks and ramps; and at locations where existing concrete items are to be removed and turf is to be established in its place.

At locations where the subgrade, subbase or base becomes either disturbed, saturated or otherwise damaged, and where directed by the Engineer, the Contractor shall remove a minimum 6-inch thick layer of the subgrade, subbase or base, and replace it with approved 21AA Aggregate material, compacted in place.

**The Contractor shall coordinate with the City Forester prior to the removal of any tree roots.**

The Contractor is responsible for any damage to concrete items, including but not limited to vandalism; vehicular, pedestrian and/or miscellaneous structural damage; surface texture damage; and rain damage.

The Contractor shall maintain on-site at all times, a sufficient quantity of adequate materials to protect concrete items. The Engineer may suspend or defer concrete placement if rain protection is not available. The Contractor shall not be entitled to any additional compensation due to work suspension or deferral resulting from a lack of adequate rain protection.

The Contractor shall perform full-depth saw cutting at removal limits, including those necessary to construct 2-foot wide Type M drive openings, and including those necessary to provide for the partial removal of existing drive approaches, as shown on the Plans, as directed by the Engineer, and as marked for removal.

The subbase and adjacent concrete shall be sufficiently wet-down with water prior to placing concrete, to prevent water loss from the new concrete, and to form a better bond between old and new concrete. If a cold-joint becomes necessary, the existing concrete surface(s) shall be cleaned with compressed air to expose the aggregate in the concrete.

Where it is necessary to remove existing pavement to provide space for concrete formwork, a sufficient amount of the existing pavement shall be removed to allow for the use of a vibratory plate compactor in front of the curb.

Where concrete items are placed in areas adjacent to existing pavement that is beyond the general resurfacing (pavement removal and/or milling) limits, the adjacent pavement area shall be backfilled and permanently patched within 48-hours of the removal of concrete formwork. The backfill material shall be



**DETAILED SPECIFICATION  
FOR  
ITEM #232 – CONCRETE CURB OR CURB & GUTTER - ANY TYPE  
ITEM #233 – 4” INCH CONCRETE SIDEWALK, MODIFIED  
ITEM #234 – 6” CONCRETE SIDEWALK, RAMP OR DRIVE APPROACH, MODIFIED  
ITEM #235 – 6” CONCRETE SIDEWALK, RAMP OR DRIVE APPROACH, HIGH-EARLY  
ITEM #236 - CONCRETE TYPE M DRIVE OPENING, HIGH-EARLY**

**3 of 5**

MDOT 21AA aggregate compacted in place to 95%, up to the elevation of the proposed bottom of pavement. The pavement patching material(s) shall be as specified and as directed by the Engineer.

Where concrete items are placed adjacent to existing pavement that is within areas scheduled for subsequent pavement removal and/or milling, the adjacent pavement area shall, within 48-hours of the removal of concrete formwork, be backfilled with MDOT 21AA aggregate compacted in place to 95% up to the elevation of the bottom of the adjacent pavement.

Prior to compacting backfill in front of curb and gutter, the back of curb shall be backfilled with approved material and compacted by mechanical means to 95%.

At various times throughout the work, the Engineer may direct the Contractor to use smaller and/or lighter equipment, and to defer certain work tasks, in order to protect the grade and/or adjacent areas. The Contractor shall not be entitled to any additional compensation for the use of smaller equipment, lighter equipment, or work task deferral.

Restoration

The Contractor shall restore all disturbed areas to better than or equal to their original condition within two calendar days from the date of concrete placement. This includes the placement and compaction of 2.5 inches of topsoil, followed by the placement of grass seed, followed by the placement of 0.5 inches of topsoil, at all turf restoration locations, and at locations where concrete items are removed and turf is to be established. Restoration shall also include the replacement of any brickwork, decorative stone, or other adjacent materials. All restoration work and materials shall be in accordance with the City of Ann Arbor Standard Specifications for Construction.

Contraction Joints in Sidewalk

Contraction joints shall be placed at 5-foot intervals and may be tooled or sawed. The method of forming joints and spacing shall be approved by the Engineer prior to construction.

Expansion Joints in Sidewalks

$\frac{3}{4}$ -inch wide expansion joints shall be placed through concrete sidewalks in line with the extension of all property lines, at all expansion joints in the abutting curb, gutter, and combination curb and gutter, and as directed by the Engineer. Transverse expansion joints shall be placed through the sidewalks at uniform intervals of not more than 300-feet.

$\frac{1}{2}$ -inch wide expansion joints shall be placed between the sidewalk and back of abutting curb or gutter, at the juncture of two sidewalks, between the sidewalk and buildings and other rigid structures, and as directed by the Engineer.

Expansion Joints in Curb and Gutter

$\frac{3}{4}$ -inch wide expansion joints shall be placed at all street returns, at all expansion joints in an abutting pavement, at each side of all driveways (at radius points), elsewhere at 300-foot maximum intervals, and as directed by the Engineer.

**DETAILED SPECIFICATION  
FOR  
ITEM #232 – CONCRETE CURB OR CURB & GUTTER - ANY TYPE  
ITEM #233 – 4” INCH CONCRETE SIDEWALK, MODIFIED  
ITEM #234 – 6” CONCRETE SIDEWALK, RAMP OR DRIVE APPROACH, MODIFIED  
ITEM #235 – 6” CONCRETE SIDEWALK, RAMP OR DRIVE APPROACH, HIGH-EARLY  
ITEM #236 - CONCRETE TYPE M DRIVE OPENING, HIGH-EARLY**

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Expansion joint material shall extend to the full depth of the joint. After installation, the top shall not be above the concrete nor be more than ½-inch below it. No reinforcing steel shall extend through expansion joints.

Plane of Weakness Joints in Curb and Gutter

Intermediate plane of weakness joints shall be placed to divide the structure into uniform sections, normally 10-feet in length, with a minimum being 8-feet in length, and shall be placed opposite all plane of weakness joints in the abutting concrete base course.

Plane of weakness joints shall be formed by narrow divider plates, which shall extend 3-inches into the exposed surfaces of the curb or curb and gutter. Plates shall be notched, if necessary, to permit the steel reinforcement to be continuous through the joint.

**MEASUREMENT AND PAYMENT**

The work of furnishing and installing mechanical anchors and hook bolts will be measured and paid for by the number of hook bolts installed.

All concrete pavement repair, including that which is installed with integral curb and gutter, will be measured and paid for by the area actually placed in square yards (SY).

No additional compensation will be paid for the construction of concrete items adjacent to existing concrete curb, gutter, pavement, or any other pavement or surface feature(s).

No additional compensation will be paid for the removal of a 6-inch thick layer of the subgrade, subbase or base, and replacement with approved 21AA aggregate material, compacted in place.

A deduction in length for catch basins and inlet castings will be made to measurements of Curb and Gutter.

Curb, gutter, and curb and gutter shall be paid as "Concrete Curb or Curb & Gutter – Any Type, Modified".

Restoration work, including backfilling, compacting, HMA patching adjacent to concrete items, topsoiling and seeding will not be paid for separately, but shall be included in the appropriate associated items of work.

Payment for saw cutting for Type M openings and for partial removal of existing drives shall be included in the price for the item of work, "Remove Concrete Sidewalk, Ramp and Drives - Any Thickness, Modified", and will not be paid for separately.

**DETAILED SPECIFICATION  
FOR  
ITEM #232 – CONCRETE CURB OR CURB & GUTTER - ANY TYPE  
ITEM #233 – 4” INCH CONCRETE SIDEWALK, MODIFIED  
ITEM #234 – 6” CONCRETE SIDEWALK, RAMP OR DRIVE APPROACH, MODIFIED  
ITEM #235 – 6” CONCRETE SIDEWALK, RAMP OR DRIVE APPROACH, HIGH-EARLY  
ITEM #236 - CONCRETE TYPE M DRIVE OPENING, HIGH-EARLY**

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Payment for the removal of HMA pavement and aggregate base to provide space for concrete formwork and vibratory plate compactor shall be included in the price for the item of work, “Remove Concrete Curb or Curb and Gutter - Any Type, Modified”, and will not be paid for separately.

Completed work as measured for these items of work will be paid for at Contract Unit Prices for the following Contract (Pay) Items:

<b><u>PAY ITEMS</u></b>	<b><u>PAY UNIT</u></b>
Concrete Curb or Curb & Gutter – Any Type	Lineal Foot
4” Concrete Sidewalk, Modified	Square Foot
6” Concrete Sidewalk, Ramp, Drive Approach, Modified	Square Foot
6” Concrete Sidewalk, Ramp, Drive Approach, High Early	Square Foot
Concrete Type M Drive Opening, High Early	Lineal Foot

The unit prices for these items of work shall include all labor, material, and equipment costs to perform all the work specified in the Standard Specifications and as modified by this Detailed Specification.

**ITEM #237 – INLET FILTER, SPECIAL**

**1 of 1**

**DESCRIPTION**

This work shall consist of properly installing curb and gutter inlet filters, at locations indicated on the plans, and as directed by the Engineer, maintaining during the entire construction period, and removing at the end of construction. The curb and gutter inlet filters shall be constructed in accordance with the detailed plans.

**MEASUREMENT AND PAYMENT**

The unit price for this item of work shall include all labor, material, and equipment costs to perform all the work specified in the Standard Specifications, the project plans and as modified by this Detailed Specification.

Curb and gutter inlet filters will be paid for by the unit "Each". A filter will be paid for when initially installed at a particular structure. Payment will be for installing, maintaining, reinstalling, and, removing the filter at the end of construction and as directed by the Engineer.

**PAY ITEM**

Inlet Filter, Special

**PAY UNIT**

Each

**DETAILED SPECIFICATION  
FOR  
ITEM # 238 – INTERNAL CHIMNEY SEAL**

**1 of 2**

**DESCRIPTION**

This specification includes the materials and procedures required for the internal sealing of the frame-chimney joint area of brick, block and precast manholes, as required in the contract documents.

A plural component, urethane internal manhole frame-chimney sealant, as specified herein shall be applied in all assigned manholes within the areas included in this project. If excavation is required to repair, rebuild, or replace a manhole; or if manhole linings or coatings are required, the sealant shall be applied after that work has been completed.

Design Requirements – The manhole frame-chimney sealant shall be designed to prevent leakage of water through the above-described portions of the manhole throughout its design life.

The manhole frame-chimney sealant shall remain flexible and bonded to the inside surfaces of the manhole frame and masonry throughout its design life.

**MATERIALS**

Manhole frame-chimney sealant consisting Cretex Easy Seal SG or engineer approved equal of a plural component, spray applied, quick setting urethane material conforming to the following requirements:

**Viscosity**

- a. Part A, 12,000-17,000 cps @ 25C, 20 RPM per ASTM D2393
- b. Part B, 300-510 cps @ 25C, 300 RPM per ASTM D4287

**Weight**

- a. Weight/Gallon Part A, 8.90-9.20 lb/gal per ASTM D1875
- b. Weight/Gallon Part B, 9.60-9.75 lb/gal per ASTM D1875
- c. Weight/Gallon Mixed, 9.25-9.48 lb/gal per ASTM D1875

**Processing**

- a. Mix Ratio By Weight, 100:107
- b. Mix Ratio by Volume, 100:100
- c. Cure Schedule, Hours, 4-5 hours @ 25C

**Gel Time**

Gel Time, Seconds, 0-15 seconds @ 25C, 100 grams per ASTM D3056

**Cured Properties**

- a. Hardness, Shore A, 95-100 per ASTM D2240
- b. Elongation, 379-473% per ASTM D638 or ASTM D412
- c. Tensile Strength, 2616-3216 psi per ASTM D638 or ASTM D412
- d. Peel Strength, 30.8-46.8 PLI (AL to AL) PER ASTM D1876

**CONSTRUCTION METHOD**

All concrete and masonry surfaces must be clean. Grease, organic matter, roots must be completely removed.

**DETAILED SPECIFICATION  
FOR  
ITEM # 238 – INTERNAL CHIMNEY SEAL**

**2 of 2**

The CONTRACTOR shall have the manufacturer's recommended plural cartridge dispensing tool and all other equipment/tools necessary to prepare the surfaces of the manhole and apply the manhole frame-chimney sealant.

All loose and protruding mortar and brick that would prevent proper application of the Seal, shall be removed and the appropriate areas of the manhole frame, chimney and or cone/corbel cleaned and prepared. All areas to be sealed shall be free of surface contaminants, be dry and free of any excessive voids or defects. If an adequate sealing surface does not exist on the masonry, repair materials such as Cementitious grout shall be used to fill voids and profile the chimney area of the manhole.

“CEMENTITIOUS GROUT Cementitious grout shall be a premixed, non metallic, high strength, non-shrink grout which meets the requirements of ASTM C-191 and C-827 as well as CRD-C-588 and C-621. When mixed to a mortar or "plastic" consistency, it shall have minimum one day and 28 day compressive strength of 6,000 and 9,000 psi, respectively.”

All surface preparation shall be completed in strict accordance with the frame-chimney sealant manufacturer's published instructions.

The internal frame-chimney sealant shall be applied to cover 24 vertical inches inside of the entire circumference of the chimney at a minimum thickness of one hundred (100) mils.

**MEASUREMENT AND PAYMENT**

This item shall be paid at the unit price bid per manhole and shall include the cost of furnishing and applying the frame-chimney sealant material along with the surface preparation work needed to facilitate proper application.

The completed work as measured for these items of work will be paid for at the Contract Unit Prices for the following Contract (Pay) Items:

**PAY ITEM**

**PAY UNIT**

Internal Chimney Seal

Ea.

The unit prices for these items of work shall include all labor, material, and equipment costs to perform all the work specified in the Standard Specifications and as modified by this Detailed Specificatio



**DETAILED SPECIFICATION  
FOR  
ITEM # 239 – RECONSTRUCT FLOW CHANNEL**

**1 of 2**

**DESCRIPTION**

This work shall consist of reconstructing flow channel in accordance to what was described in Section 403 of the Michigan Department of Transportation 2020 Standard Specifications for Construction, and as specified herein.

**MATERIALS**

Manhole bases and flow channel shall be formed of QUIKRETE Fast Setting

Concrete Mix PRODUCT NO.1004-50 or Engineer approved equal. The use of PVC SDR-26 to establish and form the flow channel if and when applicable upon Engineer approval.

**METHODS OF CONSTRUCTION**

All concrete and masonry surfaces must be clean. Grease, organic matter, loose bricks, mortar, unsound concrete, roots and other materials must be completely removed.

Thoroughly clean existing flow channel and remove any accumulated sediment, debris, and broken or loose concrete. Properly dispose of all materials removed from the flow channel.

Where the process requires interruption of flow, the Contractor shall provide all necessary diversion or bypass pumping equipment to handle the flow for the duration of the flow channel rehabilitation, including curing times where applicable.

Form and place the concrete mix, meeting City of Ann Arbor Materials Standards, to create new flow channel up to the springline of the flow channel.

Install concrete flow channel up to springline of pipe with  $\frac{3}{4}$ " to 1" gap at pipe ends provided to maintain joint flexibility.

Changes in direction of the sewer and entering branch or branches shall be laid out in smooth curves of the longest possible radius which is targeted to the centerlines of adjoining pipelines. Regardless of differences in entrance and exit elevations, flow channels for all pipes are to be formed to present a smooth transition of flow and shall be subject to the approval of the ENGINEER.

Flow channels for sewer structures shall be finished in accordance with the city details. All flow channels shall be screeded and floated to a smooth, uniform surface and troweled to a hard surface finish.

The flow channel and surface surrounding it, shall be reformed and finished to provide flow channels. All such work shall be done with the proper tools and by careful workmen competent to do such work.

All necessary adjustments required to accommodate encountered field conditions for reconstructed

**DETAILED SPECIFICATION  
FOR  
ITEM # 239 – RECONSTRUCT FLOW CHANNEL**

**2 of 2**

flow channel including all necessary dewatering shall be included in the cost of the flow channel reconstruction and will not be paid for separately.

**MEASUREMENT AND PAYMENT**

The completed work as measured shall be paid at the contract unit price for the following contract items (pay items):

**PAY ITEM**

**PAY UNIT**

Reconstruct flow channel

Ea

Payment for this item of work shall include all labor, materials and equipment needed to accomplish the work, regardless of depth or type of structure.

**DETAILED SPECIFICATION  
FOR  
ITEM #240 - MANHOLE CEMENTITIOUS LINER**

**1 of 3**

**DESCRIPTION**

Sanitary sewer manhole cementitious liner with spray applied or centrifugally cast light-weight structural reinforced concrete.

The Cementitious Liner shall be applied on the manhole base, bench, walls, corbel/cone, and chimney of brick, block, or precast manholes.

**INSTALLER EXPERIENCE AND QUALIFICATIONS**

Contractor must demonstrate a minimum of 3-years of recent experience.

**SUBMITTALS**

Submit to the Owner for review and acceptance at least 14-days prior to starting manhole cementation for the following:

- Manufacturers' Certificate of Compliance certifying compliance with the applicable Specifications and Standards. The certifications shall list all materials furnished under this Section.
- Certified copies of factory tests required by the applicable Standards, the Manufacturer, and this Section.
- Manufacturer's handling, storage, and installation instructions and procedures.

**MATERIALS**

- The materials used shall be designed, manufactured, and intended for sewer manhole rehabilitation and the specific application in which they are used.
- 
- The materials shall have a proven history of performance in sewer manhole rehabilitation. The materials shall be delivered to the job site in original unopened packages clearly labeled with the manufacturer's identification and printed instructions.
- All materials shall be stored and handled in accordance with recommendations of the manufacturer.
- All materials shall be mixed and applied in accordance with the manufacturer's written instructions.
- The material applied to the surface of the manhole shall be a cementitious blend
- of calcium aluminate cement and manufactured calcium aluminate aggregates
- for constructing a liner that is impervious to the flow of water, is resistant to
- sulfide attack, and restores structural integrity to existing manhole walls.
- A monolithic liner shall be formed which covers all interior manhole surfaces and
- shall have the following minimum requirements at 28-days:
  - Compressive Strength (ASTM C-579B) 3,000-psi
  - Tensile Strength (ASTM C-496) 300-psi
  - Flexural Strength (ASTM C-293) (Modified) 600-psi
  - Shrinkage (ASTM C-596) 0% at 90% R.H.
  - Bond (ASTM C-321) 130-psi

**DETAILED SPECIFICATION  
FOR  
ITEM #240 - MANHOLE CEMENTITIOUS LINER**

**2 of 3**

**PREPARATORY PROCEDURES**

Contractor will perform preliminary cleaning of the structure with high-pressure water-blasting at a minimum of 4000psi and 4gpm to obtain the desired concrete surface profile (CSP) of 3 or greater. If the desired CSP is not achieved by high-pressure water-blasting other methods of obtaining the surface profile such as abrasive blasting and acid etching shall be used.

The Contractor shall remove all the existing manhole steps. The metal portion of all steps will be removed to within ½” of the manhole interior wall surface. The remaining protruding metal portion of the step shall be covered with a cementitious material to provide a smooth surface on and around the protrusion for the liner to bond.

All open joints, voids, holes, cracks, and missing bricks larger than 3 inches in diameter or equivalent shall be patched with a cementitious material to provide a smooth surface for the cementitious liner to bond.

All roots, loose, cracked or disintegrated material shall be removed from the area to be patched exposing a sound substrate. The cementitious patch material shall be allowed to cure according to the manufacturer’s specifications before continuing with the cementitious Liner installation process.

Bench shall be sloped so that water will flow back into channel.

When the channel is required to be lined the Contractor shall plug the inlet pipe, inspect for infiltration leaks around the inlet and outlet pipes and in the channel. All leaks present shall be stopped by the use of chemical grout injection and/or by the use of fast-setting cement.

The final prepared surface shall have a concrete surface profile of 3 or greater and have a smooth uniform appearance.

**FINISHED LINER**

The finished Cementitious Liner shall be continuous over the entire length of the structure from the cover seat to the invert, including the channel. Liner shall be bonded to the structure, as required by design, and in such a way as to not allow any water to flow behind the liner and enter back into the waste stream.

The liner shall be visually inspect from inside the structure for any defects that may affect performance of the liner. All defects shall be fixed to conform with these specifications.

**CLEANUP**

Clean up the entire project area after the work is completed and all testing accepted. Remove and dispose of all excess material and debris not incorporated into the permanent installation.

**DETAILED SPECIFICATION  
FOR  
ITEM #240 - MANHOLE CEMENTITIOUS LINER**

**3 of 3**

**MAINTENANCE**

Any defects shall be repaired in accordance with the manufacturers' recommendations on an as needed basis.

**WARRANTY**

Manufacturer and Installer of the Liner system shall provide a 10 year warranty on materials and labor.

**MEASUREMENT AND PAYMENT**

Cementitious Liner shall be measured as units, complete in place. The completed work as measured shall be paid at the contract unit price for the following contract items (pay items):

**PAY ITEM**

**PAY UNIT**

Cementitious Liner

Vf

Payment for this item of work shall include all labor, materials and equipment needed to accomplish the work, regardless of depth or type of structure.

**DETAILED SPECIFICATION  
FOR  
ITEM #241 – CLEAN-UP & RESTORATION, SPECIAL**

**1 of 2**

**DESCRIPTION**

This item of work shall conform to Division IX, Section II, Item No. 891, Clean-Up & Restoration of the Public Services Area Standard Specifications, except as specified herein.

This work shall include the removal of all surplus materials from the site including; but not limited to; tools, dirt, rubbish, construction debris, and excess excavated material. This work shall also include the restoration of all existing lawn areas, road surfaces, culverts, drives, and sidewalks disturbed by the work. This work includes placing topsoil, fertilizer, seeding, and furnishing and installing mulch blankets on all disturbed areas as approved by the Engineer. Mulch blankets are required on all seeded areas.

**MATERIALS**

The materials shall meet the requirements specified in the MDOT 2020 Standard Specifications as designated, as specified herein, and as approved by the Engineer:

- Seed shall be THM seed mixture as described in Table 8 16-1.
- Fertilizers shall be a Class A. The percentages by weight shall be 12- 12- 12, or as approved by the Engineer.
- Water used shall be obtained from fresh water sources and shall be free from injurious chemicals and other toxic substances.
- Mulch blankets shall be High Velocity Straw Mulch Blankets as specified in MDOT section 917.

**MAINTENANCE AND ACCEPTANCE**

It is the responsibility of the Contractor to establish a dense lawn of permanent grasses, free from mounds and depressions prior to final acceptance and payment of this project. Any portion of a seeded area that fails to show a uniform germination shall be reseeded. Such reseeding shall be at the Contractor's expense and shall continue until a dense lawn is established. The Contractor is responsible for restoring all areas disturbed by his construction.

The Contractor shall maintain all lawn areas until they have been accepted by the Engineer. Lawn maintenance shall begin immediately after the grass seed is in place and continue until final acceptance with the following requirements:

Lawns shall be protected and maintained by watering, mowing, and reseeding as necessary, until the period of time when the final acceptance and payment is made by the Engineer for the project, to establish a uniform, weed-free, stand of the specified grasses. Maintenance includes furnishing and installing additional topsoil, and reseeding all as may be required to correct all settlement and erosion until the date of final acceptance.

**DETAILED SPECIFICATION  
FOR  
ITEM #241 – CLEAN-UP & RESTORATION, SPECIAL**

**2 of 2**

Damage to seeded areas resulting from erosion shall be repaired by the Contractor at the Contractor's expense. Scattered bare spots in seeded areas will not be allowed over three (3) percent of the area nor greater than 6"x 6" in size.

When the above requirements have been fulfilled, the Engineer will accept the lawn.

Cleanup and Restoration must be performed upon the completion of each sub-phase of work (as described in the Detailed Specification for Project Schedule), and not as one single operation at the completion of the entire project.

**MEASUREMENT AND PAYMENT**

Measurement and payment for this item of work shall conform to Division IX, Section 2, Item No. 891, Clean-Up & Restoration of the Public Services Area Standard Specifications except as modified herein.

The completed work for "Clean-Up & Restoration, Special" will be paid for on a lump sum (LS) basis. 80% of said lump sum shall be paid upon completion and approval of the site by the Engineer. By May 31<sup>st</sup> of the year following the completion of the project, the Engineer will inspect the seeded turf to ensure that the end product is well established; weed free, and in a growing and vibrant condition. If the Engineer determines that the restored areas meet the project requirements, the remaining 20% of the lump sum will be paid. If the Engineer determines that the restored areas do not meet the project requirements, the Contractor will continue with any and all measures necessary to meet the project requirements. All costs associated with the remedial measures shall be borne entirely by the Contractor.

**Pay Item**

**Pay Unit**

Clean-Up & Restoration, Special

Lump Sum



**DETAILED SPECIFICATION  
FOR  
CERTIFIED PAYROLL COMPLIANCE AND REPORTING**

**1 of 2**

**DESCRIPTION**

This specification covers all administrative requirements, payroll reporting procedures to be followed by Contractors performing work on City-sponsored public improvements projects, and all other miscellaneous and incidental costs associated with complying with the applicable sections of the City of Ann Arbor Code of Ordinances with regard to payment of prevailing wages and its Prevailing Wage Compliance policy.

This specification is not intended to include the actual labor costs associated with the payment of prevailing wages as required. Those costs should be properly incorporated in all other items of work bid.

**GENERAL**

The Contractor is expected to comply with all applicable sections of Federal and State prevailing wage laws, duly promulgated regulations, the City of Ann Arbor Code of Ordinances, and its Prevailing Wage Compliance Policy as defined within the contract documents. The Contractor shall provide the required certified payrolls, city-required declarations, and reports requested elsewhere in the contract documents within the timeline(s) stipulated therein.

The Contractor shall also provide corrected copies of any submitted documents that are found to contain errors, omissions, inconsistencies, or other defects that render the report invalid. The corrected copies shall be provided when requested by the Supervising Professional.

The Contractor shall also attend any required meetings as needed to fully discuss and ensure compliance with the contract requirements regarding prevailing wage compliance. The Contractor shall require all employees engaged in on-site work to participate in, provide the requested information to the extent practicable, and cooperate in the interview process. The City of Ann Arbor will provide the needed language interpreters in order to perform wage rate interviews or other field investigations as needed.

Certified Payrolls may be submitted on City-provided forms or forms used by the Contractor, as long as the Contractor's forms contain all required payroll information. If the Contractor elects to provide their own forms, the forms shall be approved by the Supervising Professional prior to the beginning of on-site work.

**UNBALANCED BIDDING**

The City of Ann Arbor will examine the submitted cost for this item of work prior to contract award. If the City determines, in its sole discretion, that the costs bid by the Contractor for complying with the contract requirements are not reasonable, accurately reported, or may contain discrepancies, the City reserves the right to request additional documentation that fully supports and justifies the price as bid. Should the submitted information not be determined to be reasonable or justify the costs, the City reserves the right to pursue award of the contract to the second low bidder without penalty or prejudice to any other remedies that it may have or may elect to exercise with respect to the original low-bidder.

The Contract Completion date will not be extended as a result of the City's investigation of the as-bid amount for this item of work, even if the anticipated contract award date must be adjusted. The only exception will be if the Contractor adequately demonstrates that their costs were appropriate and justifiable. If so, the City will adjust the contract completion date by the number of calendar days commensurate with the length of the investigation, if the published Notice to Proceed date of the work cannot be met. The contract unit prices for all other items of work will not be adjusted regardless of an adjustment of the contract completion date being made.

**DETAILED SPECIFICATION  
FOR  
CERTIFIED PAYROLL COMPLIANCE AND REPORTING**

**2 of 2**

**MEASUREMENT AND PAYMENT**

The completed work as measured for this item of work will be paid for at the Contract Unit Price for the following Contract (Pay) Item:

**PAY ITEM**

**PAY UNIT**

Certified Payroll Compliance and Reporting

Lump Sum

The unit price for this item of work shall include all supervisory, accounting, administrative, and equipment costs needed to monitor and perform all work related to maintaining compliance with the tasks specified in this Detailed Specification, the City of Ann Arbor Code of Ordinances, its Prevailing Wage Compliance policy and the applicable Federal and State laws.

Payment for this work will be made with each progress payment, on a pro-rata basis, based on the percentage of construction completed. When all of the work of this contract has been completed, the measurement of this item shall be 1.0 times the Lump Sum bid amount. This amount will not be increased for any reason, including extensions of time, extra work, and/or adjustments to existing items of work.

**DETAILED SPECIFICATION  
FOR  
FINAL ACCEPTANCE**

**1 of 3**

**DESCRIPTION**

The Contractor shall conform to the requirements of Sections 104.07 and 109.07 of the 2020 edition of the Michigan Department of Transportation (MDOT) Standard Specifications for Construction, “Contractor Obligations” and “Final Inspection, Acceptance, and Final Payment,” respectively.

**Partial Acceptance.-** Upon completion of a portion of the work, the Contractor may request, in writing, partial acceptance of that portion of the work. Within 7 days of the Contractor’s written request, the Engineer will conduct an inspection to determine if the Contractor has satisfactorily completed that portion of the work in accordance with the contract.

Within 7 days of the inspection, the Engineer will provide written notice of either partial acceptance for that portion of the work, or an explanation for rejecting the Contractor’s request for partial acceptance. If the Engineer grants the partial acceptance, the Engineer will designate in writing what portion of the work is partially accepted and the effective date of the partial acceptance.

Should the Engineer consider that the portion of the work is not complete, the Engineer shall notify the Contractor in writing stating the reasons. The Contractor shall complete the work and send a second written notice to Engineer certifying the project, or designated portion of the project, is partially complete. The Engineer and City of Ann Arbor (City) will re-inspect the work.

Partial acceptance will relieve the Contractor of maintenance responsibility and third-party damage liability for the designated portion of the work. By relieving the Contractor of maintenance and third-party damage claims, the City does not relieve the Contractor of responsibility for defective work or damages caused by the Contractor’s operations. The Contractor shall not construe partial acceptance to be final inspection, final acceptance of any part of the work, or waiver of any legal rights specified under Section 107 of the 2020 edition of the MDOT Standard Specifications for Construction.

**Delayed Acceptance.-** Upon completion of contract work items designated for delayed acceptance, the Contractor must notify the Engineer, in writing, of the completion of the designated work. Within 7 days of the Contractor’s written request, the Engineer will conduct an inspection to determine if the Contractor has satisfactorily completed the designated portion of the work in accordance with the contract. Within 7 days of the inspection, the Engineer will notify the Contractor, in writing, of the date the delayed acceptance period begins.

Delayed acceptance will relieve the Contractor of maintenance responsibility and third-party damage liability for the designated portion of the work. By relieving the Contractor of maintenance and third-party damage claims, the City does not relieve the Contractor of responsibility for defective work or damages caused by the Contractor’s operations. The Contractor shall not construe delayed acceptance to be final inspection, final acceptance of any part of the work, or waiver of any legal rights specified under Section 107 of the 2020 edition of the MDOT Standard Specifications for Construction.

**Final Clean-Up.-** Unless otherwise required in the Contract Documents, the cost of final clean-up is included in the contact unit price for the related items of work (contract pay items).

Before final acceptance, the Contractor must complete all of the following:

**DETAILED SPECIFICATION  
FOR  
FINAL ACCEPTANCE**

**2 of 3**

1. Remove the following from the project limits, unless otherwise required in the Contract Documents or directed by the Engineer:
  - A. Unused and/or unneeded materials;
  - B. Temporary aggregates;
  - C. Temporary soil erosion and sedimentation control devices;
  - D. Rubbish;
  - E. Protective fencing;
  - F. Temporary pipe and supports;
  - G. Equipment;
  - H. Temporary traffic control devices; and
  - I. All other temporary construction items, equipment, and debris not specifically listed above.
2. Restore areas occupied during the project in accordance with Detailed Specification “Project Clean-Up and Restoration, Special,” and as determined by the Engineer.
3. Replace or repair damaged features.
4. Provide the Engineer with written certification that all property that was used or damaged during performance of the work, including property outside of the project limits, has been restored in accordance with the Contract Documents, and applicable local, state, and federal requirements.
5. Provide written certification that the project has been inspected in compliance with the Contract Documents, the work has been completed in accordance with the Contract Documents, including applicable testing in the presence of the Engineer.
6. Clean paved areas, including public sidewalks directly adjacent to the site within 5 working days before opening the pavement surface to traffic taking precautions so as not to produce airborne dust when cleaning pavement.
7. Rake clean other surfaces of the grounds.

**Final Inspection.-** The Engineer will conduct the final inspection within 7 days of receiving the Contractor’s written notification that the work has been completed. The Contractor must attend the final inspection.

**DETAILED SPECIFICATION  
FOR  
FINAL ACCEPTANCE**

**3 of 3**

Within 7 days of the final inspection, the Engineer will provide written notice to the Contractor of a satisfactory final inspection or will provide a list of specific defects to be remedied in order to achieve a satisfactory final inspection.

Should the Engineer consider the work not complete and ready for final payment, the Engineer shall notify the Contractor in writing, stating the reasons. The Contractor shall take immediate steps to remedy the stated deficiencies and send a second written notice to the Engineer certifying that the work is complete. The Engineer will re-inspect the work.

Should the Engineer be required to perform additional re-inspections because of failure of the work to comply with the original certifications of the Contractor, the Engineer will deduct the cost of the re-inspections from the final amount to be paid to the Contractor.

After achieving satisfactory final inspection, the Contractor is relieved of the duty of maintaining and protecting the project. In addition, the Contractor is relieved of their responsibility for third-party damage claims, and for damage to the work that may occur after satisfactory final inspection.

**Final Acceptance.-** Within 7 days of satisfactory final inspection and submission of all required project and materials testing documentation by the Contractor, the Engineer will give the Contractor written notification of final acceptance.

The Contractor, without prejudice to the terms of the contract, is liable to the City at any time, both before and after final acceptance, for latent defects, fraud, such gross mistakes as may amount to fraud, or actions affecting the City's rights under any warranty or guarantee.

**Final Payment.-** The Contractor shall submit a final Application for Payment in accordance with the requirements of the Contract Documents.

Within 30 calendar days after final acceptance, the Engineer will prepare a final estimate of work performed. The Contractor will have 30 calendar days from the issuance of the final estimate to file a claim or objections to the quantities within the final estimate. If no claim or objections are filed within 30 calendar days, the City will process the final estimate for approval and final payment. At that time, the Contractor will be furnished a copy of the approved final estimate.

The final payment will be made when the Contractor has provided the following:

- A. All reports or documents required by the Engineer.
- B. The Consent of Surety for payment of the final estimate.
- C. Signed Contractor's Declaration (see Section 43 of the "General Conditions").
- D. Satisfactory evidence by signed Contractor's Affidavit (see Section 44 of the "General Conditions") that all the indebtedness due to the contract has been fully paid or satisfactorily secured.

The City can recover all overpayments from the Contractor in the final estimate.

**DETAILED SPECIFICATIONS  
FOR  
GENERAL CONSTRUCTION NOTES**

The following notes pertain to all Plan sheets issued as part of this Contract, and these notes shall be considered part of each Plan sheet or Detailed Information Sheet.

1. All work shall conform to latest revision of the City Standard Specifications.
2. The Contractor shall maintain access to all drives throughout the course of construction. Drives shall never be closed during non-working hours, unless otherwise authorized in writing by the Engineer.
3. The Contractor shall completely restore all existing site features to better than, or equal to, their existing condition.
4. The Contractor shall be aware that there are above-ground and below-ground utilities existing in and on these streets which include, but are not limited to: gas mains and service leads; water mains and service leads; storm sewer mains and service leads; sanitary sewer mains and service leads; telephone poles, wires, cables and conduits; electrical poles, wires, cables and conduits; cable television wires, cables and conduits, and other various utilities. The Contractor shall conduct all of its work so as not to damage or alter in any way, any existing utility, except where specified on the Plans or where directed by the Engineer. The City has videotaped and cleaned all sanitary and storm sewers, including storm sewer inlet leads, and has found all of these facilities to be in good condition, with the exception of those shown on the Plans for repairs or replacement.
5. The Contractor is solely responsible for any delays, damages, costs and/or charges incurred due to and/or by reason of any utility, structure, feature and/or site condition, whether shown on the Plans or not, and the Contractor shall repair and/or replace, at its sole expense, to as good or better condition, any and all utilities, structures, features and/or site conditions which are impacted by reason of the work, or injured by its operations, or injured during the operations of its subcontractors or suppliers.
6. No extra payments or adjustments to unit prices will be made for damages, delays, costs and/or charges due to existing utilities, structures, features and/or site conditions not shown or being incorrectly shown or represented on the Plans.

**DETAILED SPECIFICATION  
FOR  
DISPOSING OF EXCAVATED MATERIAL**

The Contractor shall dispose of, at the Contractor's expense, all excavated material. Costs for this work will not be paid for separately, but shall be included in the bid price of the Contract Item "General Conditions."

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**DETAILED SPECIFICATION  
FOR  
PROTECTION OF UTILITIES**

Damages to utilities by the Contractor's operations shall be repaired by the utility owner at the Contractor's expense. Delays to the work due to utility repairs are the sole responsibility of the Contractor.

The Contractor shall keep construction debris out of utilities at all times. The Contractor shall be back charged an amount of \$50.00 per day for each manhole/inlet/utility pipe that contains construction debris caused as a result of the Contractor's (including subcontractors and suppliers) work.

The Contractor is solely responsible for any damages to the utilities or abutting properties due to construction debris.

Certain sanitary and storm sewers within the influence of construction may have been cleaned and videotaped prior to construction. The City may also choose to videotape utility line(s) during or after the work of this Contract to inspect them for damages and/or construction debris. If such inspection shows damage and/or debris, then all costs of such inspection, cleaning, repairs, etc, shall be the Contractor's sole responsibility. If such inspection is negative, the City will be responsible for the costs of such inspection.

Costs for this work will not be paid for separately, but shall be included in the bid price of the Contract Item "General Conditions."

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**DETAILED SPECIFICATION  
FOR  
SOIL EROSION AND SEDIMENTATION CONTROL MEASURES**

The Contractor shall furnish, place, maintain and remove soil erosion and sedimentation control measures, including but not limited to, fabric filters at all drainage structures, all in accordance with all applicable City (and other governmental agencies) codes and standards, as directed by the Engineer, as detailed in the Standard Specifications, and as shown on the Plans.

Costs for this work will not be paid for separately, but shall be included in the bid price of the Contract Item "General Conditions."



**DETAILED SPECIFICATION  
FOR  
VACUUM TYPE STREET AND UTILITY STRUCTURE CLEANING EQUIPMENT**

The Contractor shall furnish and operate throughout the construction period, vacuum type street cleaning and utility structure cleaning equipment (Vac-All, Vactor, etc.) approved by the Engineer, as and when directed by the Engineer for dust control, for dirt/debris control, and for street cleaning immediately prior to, and for street and utility structure cleaning after any and all paving. The cleaning equipment shall be of sufficient power to remove dust, dirt, and debris from the pavement and from utility structures in and adjacent to the construction area.

Costs for this work will not be paid for separately, but shall be included in the bid price of the Contract Item “General Conditions.”

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**DETAILED SPECIFICATION  
FOR  
MATERIALS AND SUPPLIES CERTIFICATIONS**

The following materials and supplies shall be certified by the manufacturer or supplier as having been tested for compliance with the Specifications:

- HMA materials
- Hot-poured Joint Sealants
- Cements, coatings, admixtures and curing materials
- Sands and Aggregates
- Steel and Fabricated metal
- Portland Cement Concrete Mixtures
- Reinforcing Steel for Concrete
- Reinforcing Fibers for Concrete
- Pre-cast Concrete products
- Sanitary Sewer Pipe
- Storm Sewer Pipe
- Water Main Pipe
- Corrugated Metal Pipe
- High Density Polyethylene Pipe
- Timber for retaining walls
- Modular Concrete Block for retaining walls
- Edge Drain and Underdrain Pipe
- Geotextile Filter Fabric and Stabilization Fabric/Grids

The Contractor shall submit all certifications to the Engineer for review and approval a minimum of three business days prior to any scheduled delivery, installation, and/or construction of same.

Costs for this work will not be paid for separately, but shall be included in the bid price of the Contract Item “General Conditions.”

**ATTACHMENT B**  
**GENERAL DECLARATIONS**

City of Ann Arbor  
Guy C. Larcom Municipal Building  
Ann Arbor, Michigan 48107

Ladies and Gentlemen:

The undersigned, as Bidder, declares that this Bid is made in good faith, without fraud or collusion with any person or persons bidding on the same Contract; that this Bidder has carefully read and examined the bid documents, including City Nondiscrimination requirements and Declaration of Compliance Form, Living Wage requirements and Declaration of Compliance Form, Prevailing Wage requirements and Declaration of Compliance Form, Vendor Conflict of Interest Form, Notice of Pre-Bid Conference, General Information, Bid, Bid Forms, Contract, Bond Forms, General Conditions, Standard Specifications, Detailed Specifications, all Addenda, and the Plans (if applicable) and understands them. The Bidder declares that it conducted a full investigation at the site and of the work proposed and is fully informed as to the nature of the work and the conditions relating to the work's performance. The Bidder also declares that it has extensive experience in successfully completing projects similar to this one.

The Bidder acknowledges that it has not received or relied upon any representations or warrants of any nature whatsoever from the City of Ann Arbor, its agents or employees, and that this Bid is based solely upon the Bidder's own independent business judgment.

The undersigned proposes to perform all work shown on the plans or described in the bid documents, including any addenda issued, and to furnish all necessary machinery, tools, apparatus, and other means of construction to do all the work, furnish all the materials, and complete the work in strict accordance with all terms of the Contract of which this Bid is one part.

In accordance with these bid documents, and Addenda numbered \_\_\_\_\_, the undersigned, as Bidder, proposes to perform at the sites in and/or around Ann Arbor, Michigan, all the work included herein for the amounts set forth in the Bid Forms.

The Bidder declares that it has become fully familiar with the liquidated damage clauses for completion times and for compliance with City Code Chapter 112, understands and agrees that the liquidated damages are for the non-quantifiable aspects of non-compliance and do not cover actual damages that may be shown and agrees that if awarded the Contract, all liquidated damage clauses form part of the Contract.

The Bidder declares that it has become fully familiar with the provisions of Chapter 14, Section 1:320 (Prevailing wages) and Chapter 23 (Living Wage) of the Code of the City of Ann Arbor and that it understands and agrees to comply, to the extent applicable to employees providing services to the City under this Contract, with the wage and reporting requirements stated in the City Code provisions cited. Bidder certifies that the statements contained in the City Prevailing Wage and Living Wage Declaration of Compliance Forms are true and correct. Bidder further agrees that the cited provisions of Chapter 14 and Chapter 23 form a part of this Contract.

The Bidder declares that it has become familiar with the City Conflict of Interest Disclosure Form and certifies that the statement contained therein is true and correct.

The Bidder encloses a certified check or Bid Bond in the amount of 5% of the total of the Bid Price. The Bidder agrees both to contract for the work and to furnish the necessary Bonds and insurance documentation within 10 days after being notified of the acceptance of the Bid.

If this Bid is accepted by the City and the Bidder fails to contract and furnish the required Bonds and insurance documentation within 10 days after being notified of the acceptance of this Bid, then the Bidder shall be considered to have abandoned the Contract and the certified check or Bid Bond accompanying this Bid shall become due and payable to the City.

If the Bidder enters into the Contract in accordance with this Bid, or if this Bid is rejected, then the accompanying check or Bid Bond shall be returned to the Bidder.

In submitting this Bid, it is understood that the right is reserved by the City to accept any Bid, to reject any or all Bids, to waive irregularities and/or informalities in any Bid, and to make the award in any manner the City believes to be in its best interest.

SIGNED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 202\_.

\_\_\_\_\_  
Bidder's Name

\_\_\_\_\_  
Authorized Signature of Bidder

\_\_\_\_\_  
Official Address

\_\_\_\_\_  
(Print Name of Signer Above)

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Email Address for Award Notice

**ATTACHMENT C**  
**LEGAL STATUS OF BIDDER**

(The bidder shall fill out the appropriate form and strike out the other three.)

Bidder declares that it is:

\* A corporation organized and doing business under the laws of the State of \_\_\_\_\_, for whom \_\_\_\_\_, bearing the office title of \_\_\_\_\_, whose signature is affixed to this Bid, is authorized to execute contracts.

**NOTE: If not incorporated in Michigan, please attach the corporation's Certificate of Authority**

• A limited liability company doing business under the laws of the State of \_\_\_\_\_, whom \_\_\_\_\_ bearing the title of \_\_\_\_\_ whose signature is affixed to this proposal, is authorized to execute contract on behalf of the LLC.

\* A partnership, organized under the laws of the state of \_\_\_\_\_ and filed in the county of \_\_\_\_\_, whose members are (list all members and the street and mailing address of each) (attach separate sheet if necessary):

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\* An individual, whose signature with address, is affixed to this Bid: \_\_\_\_\_  
(initial here)

**Authorized Official**

\_\_\_\_\_ **Date** \_\_\_\_\_, 202\_\_

(Print) Name \_\_\_\_\_ Title \_\_\_\_\_

Company:

---

Address:

---

Contact Phone ( ) \_\_\_\_\_ Fax ( ) \_\_\_\_\_

Email \_\_\_\_\_



## ATTACHMENT E

### LIVING WAGE ORDINANCE DECLARATION OF COMPLIANCE

The Ann Arbor Living Wage Ordinance (Section 1:811-1:821 of Chapter 23 of Title I of the Code) requires that an employer who is (a) a contractor providing services to or for the City for a value greater than \$10,000 for any twelve-month contract term, or (b) a recipient of federal, state, or local grant funding administered by the City for a value greater than \$10,000, or (c) a recipient of financial assistance awarded by the City for a value greater than \$10,000, shall pay its employees a prescribed minimum level of compensation (i.e., Living Wage) for the time those employees perform work on the contract or in connection with the grant or financial assistance. The Living Wage must be paid to these employees for the length of the contract/program.

*Companies employing fewer than 5 persons and non-profits employing fewer than 10 persons are exempt from compliance with the Living Wage Ordinance. If this exemption applies to your company/non-profit agency please check here  No. of employees \_\_\_*

The Contractor or Grantee agrees:

- (a) To pay each of its employees whose wage level is not required to comply with federal, state or local prevailing wage law, for work covered or funded by a contract with or grant from the City, no less than the Living Wage. The current Living Wage is defined as \$14.82/hour for those employers that provide employee health care (as defined in the Ordinance at Section 1:815 Sec. 1 (a)), or no less than \$16.52/hour for those employers that do not provide health care. The Contractor or Grantor understands that the Living Wage is adjusted and established annually on April 30 in accordance with the Ordinance and covered employers shall be required to pay the adjusted amount thereafter to be in compliance with Section 1:815(3).

**Check the applicable box below which applies to your workforce**

- Employees who are assigned to any covered City contract/grant will be paid at or above the applicable living wage without health benefits
- Employees who are assigned to any covered City contract/grant will be paid at or above the applicable living wage with health benefits

- (b) To post a notice approved by the City regarding the applicability of the Living Wage Ordinance in every work place or other location in which employees or other persons contracting for employment are working.
- (c) To provide to the City payroll records or other documentation within ten (10) business days from the receipt of a request by the City.
- (d) To permit access to work sites to City representatives for the purposes of monitoring compliance, and investigating complaints or non-compliance.
- (e) To take no action that would reduce the compensation, wages, fringe benefits, or leave available to any employee covered by the Living Wage Ordinance or any person contracted for employment and covered by the Living Wage Ordinance in order to pay the living wage required by the Living Wage Ordinance.

The undersigned states that he/she has the requisite authority to act on behalf of his/her employer in these matters and has offered to provide the services or agrees to accept financial assistance in accordance with the terms of the Living Wage Ordinance. The undersigned certifies that he/she has read and is familiar with the terms of the Living Wage Ordinance, obligates the Employer/Grantee to those terms and acknowledges that if his/her employer is found to be in violation of Ordinance it may be subject to civil penalties and termination of the awarded contract or grant of financial assistance.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
Print Name and Title

\_\_\_\_\_  
Phone/Email address

## Attachment F

# CITY OF ANN ARBOR LIVING WAGE ORDINANCE

**RATE EFFECTIVE APRIL 30, 2022 - ENDING APRIL 29, 2023**

**\$14.82 per hour**

If the employer provides health care benefits\*

**\$16.52 per hour**

If the employer does **NOT** provide health care benefits\*

Employers providing services to or for the City of Ann Arbor or recipients of grants or financial assistance from the City of Ann Arbor for a value of more than \$10,000 in a twelve-month period of time must pay those employees performing work on a City of Ann Arbor contract or grant, the above living wage.

## **ENFORCEMENT**

The City of Ann Arbor may recover back wages either administratively or through court action for the employees that have been underpaid in violation of the law. Persons denied payment of the living wage have the right to bring a civil action for damages in addition to any action taken by the City.

Violation of this Ordinance is punishable by fines of not more than \$500/violation plus costs, with each day being considered a separate violation. Additionally, the City of Ann Arbor has the right to modify, terminate, cancel or suspend a contract in the event of a violation of the Ordinance.

\* Health Care benefits include those paid for by the employer or making an employer contribution toward the purchase of health care. The employee contribution must not exceed \$.50 an hour for an average work week; and the employer cost or contribution must equal no less than \$1/hr for the average work week.

**The Law Requires Employers to Display This Poster Where Employees Can Readily See It.**

**For Additional Information or to File a Complaint contact  
Colin Spencer at 734/794-6500 or [cspencer@a2gov.org](mailto:cspencer@a2gov.org)**





**ATTACHEMENT G**

<b>Vendor Conflict of Interest Disclosure Form</b>
--

All vendors interested in conducting business with the City of Ann Arbor must complete and return the Vendor Conflict of Interest Disclosure Form in order to be eligible to be awarded a contract. Please note that all vendors are subject to comply with the City of Ann Arbor’s conflict of interest policies as stated within the certification section below.

If a vendor has a relationship with a City of Ann Arbor official or employee, an immediate family member of a City of Ann Arbor official or employee, the vendor shall disclose the information required below.

1. No City official or employee or City employee’s immediate family member has an ownership interest in vendor’s company or is deriving personal financial gain from this contract.
2. No retired or separated City official or employee who has been retired or separated from the City for less than one (1) year has an ownership interest in vendor’s Company.
3. No City employee is contemporaneously employed or prospectively to be employed with the vendor.
4. Vendor hereby declares it has not and will not provide gifts or hospitality of any dollar value or any other gratuities to any City employee or elected official to obtain or maintain a contract.
5. Please note any exceptions below:

<b>Conflict of Interest Disclosure*</b>	
Name of City of Ann Arbor employees, elected officials or immediate family members with whom there may be a potential conflict of interest.	<input type="checkbox"/> Relationship to employee <hr style="border: 0; border-top: 1px solid black;"/> <input type="checkbox"/> Interest in vendor’s company <input type="checkbox"/> Other (please describe in box below)

\*Disclosing a potential conflict of interest does not disqualify vendors. In the event vendors do not disclose potential conflicts of interest and they are detected by the City, vendor will be exempt from doing business with the City.

<b>I certify that this Conflict of Interest Disclosure has been examined by me and that its contents are true and correct to my knowledge and belief and I have the authority to so certify on behalf of the Vendor by my signature below:</b>		
<b>Vendor Name</b>	<b>Vendor Phone Number</b>	
<b>Signature of Vendor Authorized Representative</b>	<b>Date</b>	<b>Printed Name of Vendor Authorized Representative</b>

Questions about this form? Contact Procurement Office City of Ann Arbor Phone: 734/794-6500, [procurement@a2gov.org](mailto:procurement@a2gov.org)



## ATTACHMENT I

### **CITY OF ANN ARBOR NON-DISCRIMINATION ORDINANCE**

Relevant provisions of Chapter 112, Nondiscrimination, of the Ann Arbor City Code are included below.

You can review the entire ordinance at [www.a2gov.org/humanrights](http://www.a2gov.org/humanrights).

**Intent:** It is the intent of the city that no individual be denied equal protection of the laws; nor shall any individual be denied the enjoyment of his or her civil or political rights or be discriminated against because of actual or perceived age, arrest record, color, disability, educational association, familial status, family responsibilities, gender expression, gender identity, genetic information, height, HIV status, marital status, national origin, political beliefs, race, religion, sex, sexual orientation, source of income, veteran status, victim of domestic violence or stalking, or weight.

**Discriminatory Employment Practices:** No person shall discriminate in the hire, employment, compensation, work classifications, conditions or terms, promotion or demotion, or termination of employment of any individual. No person shall discriminate in limiting membership, conditions of membership or termination of membership in any labor union or apprenticeship program.

**Discriminatory Effects:** No person shall adopt, enforce or employ any policy or requirement which has the effect of creating unequal opportunities according to actual or perceived age, arrest record, color, disability, educational association, familial status, family responsibilities, gender expression, gender identity, genetic information, height, HIV status, marital status, national origin, political beliefs, race, religion, sex, sexual orientation, source of income, veteran status, victim of domestic violence or stalking, or weight for an individual to obtain housing, employment or public accommodation, except for a bona fide business necessity. Such a necessity does not arise due to a mere inconvenience or because of suspected objection to such a person by neighbors, customers or other persons.

**Nondiscrimination by City Contractors:** All contractors proposing to do business with the City of Ann Arbor shall satisfy the contract compliance administrative policy adopted by the City Administrator in accordance with the guidelines of this section. All city contractors shall ensure that applicants are employed and that employees are treated during employment in a manner which provides equal employment opportunity and tends to eliminate inequality based upon any classification protected by this chapter. All contractors shall agree not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of any applicable protected classification. All contractors shall be required to post a copy of Ann Arbor's Non-Discrimination Ordinance at all work locations where its employees provide services under a contract with the city.

**Complaint Procedure:** If any individual believes there has been a violation of this chapter, he/she may file a complaint with the City's Human Rights Commission. The complaint must be filed within 180 calendar days from the date of the individual's knowledge of the allegedly discriminatory action or 180 calendar days from the date when the individual should have known of the allegedly discriminatory action. A complaint that is not filed within this timeframe cannot be considered by the Human Rights Commission. To file a complaint, first complete the complaint form, which is available at [www.a2gov.org/humanrights](http://www.a2gov.org/humanrights). Then submit it to the Human Rights Commission by e-mail ([hrc@a2gov.org](mailto:hrc@a2gov.org)), by mail (Ann Arbor Human Rights Commission, PO Box 8647, Ann Arbor, MI 48107), or in person (City Clerk's Office). For further information, please call the commission at 734-794-6141 or e-mail the commission at [hrc@a2gov.org](mailto:hrc@a2gov.org).

**Private Actions For Damages or Injunctive Relief:** To the extent allowed by law, an individual who is the victim of discriminatory action in violation of this chapter may bring a civil action for appropriate injunctive relief or damages or both against the person(s) who acted in violation of this chapter.

THIS IS AN OFFICIAL GOVERNMENT NOTICE AND  
MUST BE DISPLAYED WHERE EMPLOYEES CAN READILY SEE IT.

## MICHIGAN DEPARTMENT OF TRANSPORTATION CERTIFIED PAYROLL

COMPLETION OF CERTIFIED PAYROLL FORM FULFILLS THE MINIMUM MDOT PREVAILING WAGE REQUIREMENTS

(1) NAME OF CONTRACTOR / SUBCONTRACTOR (CIRCLE ONE) (2) ADDRESS

(3) PAYROLL NO. (4) FOR WEEK ENDING (5) PROJECT AND LOCATION (6) CONTRACT ID

(a)	(b)	(c)	(d) DAY AND DATE							(e)	(f)	(g)	(h)	(i)	(j) DEDUCTIONS						(k)		
			HOURS WORKED ON PROJECT												TOTAL HOURS ON PROJECT	PROJECT RATE OF PAY	PROJECT RATE OF FRINGE PAY	GROSS PROJECT EARNED	GROSS WEEKLY EARNED	TOTAL WEEKLY HOURS WORKED ALL JOBS		FICA	FEDERAL
EMPLOYEE INFORMATION	WORK CLASSIFICATION	Hour Type								0			\$0.00									\$0.00	\$0.00
NAME:										0			\$0.00									\$0.00	\$0.00
ETH#GEN: ID #:	GROUP/CLASS #:	S								0			\$0.00									\$0.00	\$0.00
NAME:										0			\$0.00									\$0.00	\$0.00
ETH#GEN: ID #:	GROUP/CLASS #:	S								0			\$0.00									\$0.00	\$0.00
NAME:										0			\$0.00									\$0.00	\$0.00
ETH#GEN: ID #:	GROUP/CLASS #:	S								0			\$0.00									\$0.00	\$0.00
NAME:										0			\$0.00									\$0.00	\$0.00
ETH#GEN: ID #:	GROUP/CLASS #:	S								0			\$0.00									\$0.00	\$0.00
NAME:										0			\$0.00									\$0.00	\$0.00
ETH#GEN: ID #:	GROUP/CLASS #:	S								0			\$0.00									\$0.00	\$0.00
NAME:										0			\$0.00									\$0.00	\$0.00
ETH#GEN: ID #:	GROUP/CLASS #:	S								0			\$0.00									\$0.00	\$0.00
NAME:										0			\$0.00									\$0.00	\$0.00

Date \_\_\_\_\_

I, \_\_\_\_\_ (Name of Signatory Party) \_\_\_\_\_ (Title)

do hereby state:

(1) That I pay or supervise the payment of the persons employed by

\_\_\_\_\_ on the \_\_\_\_\_ (Contractor or Subcontractor)  
 \_\_\_\_\_; that during the payroll period commencing on the \_\_\_\_\_ (Building or Work)  
 \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, and ending the \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_,  
 all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said

\_\_\_\_\_ from the full \_\_\_\_\_ (Contractor or Subcontractor)

weekly wages earned by any person and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions as defined in Regulations, Part 3 (29 C.F.R. Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Stat. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. § 3145), and described below:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

(4) That:

(a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS

- in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in section 4(c) below.

(b) WHERE FRINGE BENEFITS ARE PAID IN CASH

- Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in section 4(c) below.

(c) EXCEPTIONS

EXCEPTION (CRAFT)	EXPLANATION

REMARKS:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NAME AND TITLE	SIGNATURE

THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STATEMENTS MAY SUBJECT THE CONTRACTOR OR SUBCONTRACTOR TO CIVIL OR CRIMINAL PROSECUTION. SEE SECTION 1001 OF TITLE 18 AND SECTION 231 OF TITLE 31 OF THE UNITED STATES CODE.