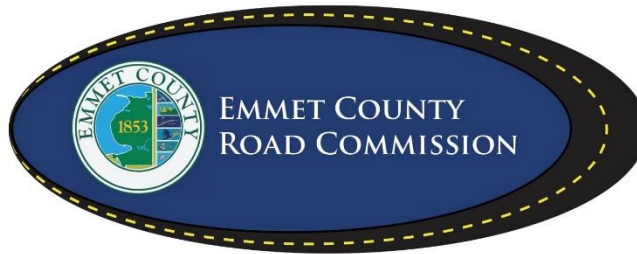


Frank Zulski
Jim Kargol
Wade Williams
Brent Shank, PE
Engineer-Manager
Lisa Kleeman
Finance Director



2265 E. Hathaway Road
Harbor Springs, MI 49740
Office: (231) 347-8142
Fax: (231) 347-5787
www.emmetcrc.org

PROPOSAL

Project: **2025 CIPP Lining**

Mobilization, Culvert Lining and Traffic Control

The Emmet County Road Commission will accept Bids until **9:00 a.m.** local time on **February 18, 2025** at: 2265 E. Hathaway Road, Harbor Springs, MI 49740. Bid packages are available at the Emmet County Road Commission Office or on Emmet County Road Commission website at www.emmetcrc.org.

ALL BIDS WILL BE SEALED AND PLAINLY MARKED AS TO THE PROJECT AND PROJECT NUMBER. MAILED BIDS MUST BE RECEIVED BY 3:30 P.M. THE PREVIOUS EMMET COUNTY ROAD COMMISSION BUSINESS DAY PRIOR TO BID OPENING.

The bidder has examined the plans, specification, special provisions and related materials in the proposal, as well as the location of the work described in the proposal for this project, and is fully informed as to the nature of the work and conditions relating to its performance and understands that the quantities shown are approximate only and are subject to either increase or decrease.

The bidder hereby proposes to furnish all necessary machinery, tools, apparatus and other means of construction, do all the work, furnish all the materials except as otherwise specified and, or each unit price, lump sum, or one each named in the itemized bid, to complete the work in strict conformity with the plans therefore and the entire proposal which is incorporated by reference in these pages, and in strict conformity with the requirements of the 2020 Standard Specifications for Construction, Michigan Department of Transportation and such other special provisions and supplemental specifications as may be part of the proposal for this project.

The bidder further proposes to do such extra work as may be authorized by the Emmet County Road Commission, prices for which are not included in the itemized bid. Compensation shall be made on the basis agreed upon before such extra work is begun.

THE BIDDER UNDERSTANDS AND AGREES THAT THE EMMET COUNTY ROAD COMMISSION RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS; TO WAIVE IRREGULARITIES OR INFORMALITIES; AND NO CONTRACTUAL RELATIONSHIP SHALL EXIST BETWEEN THE BIDDER AND THE EMMET COUNTY ROAD COMMISSION FOR THE WORK DESCRIBED HEREIN UNTIL SUCH TIME AS THE CONTRACT HAS BEEN FORMALLY EXECUTED BY BOTH THE BIDDER AND THE EMMET COUNTY ROAD COMMISSION.

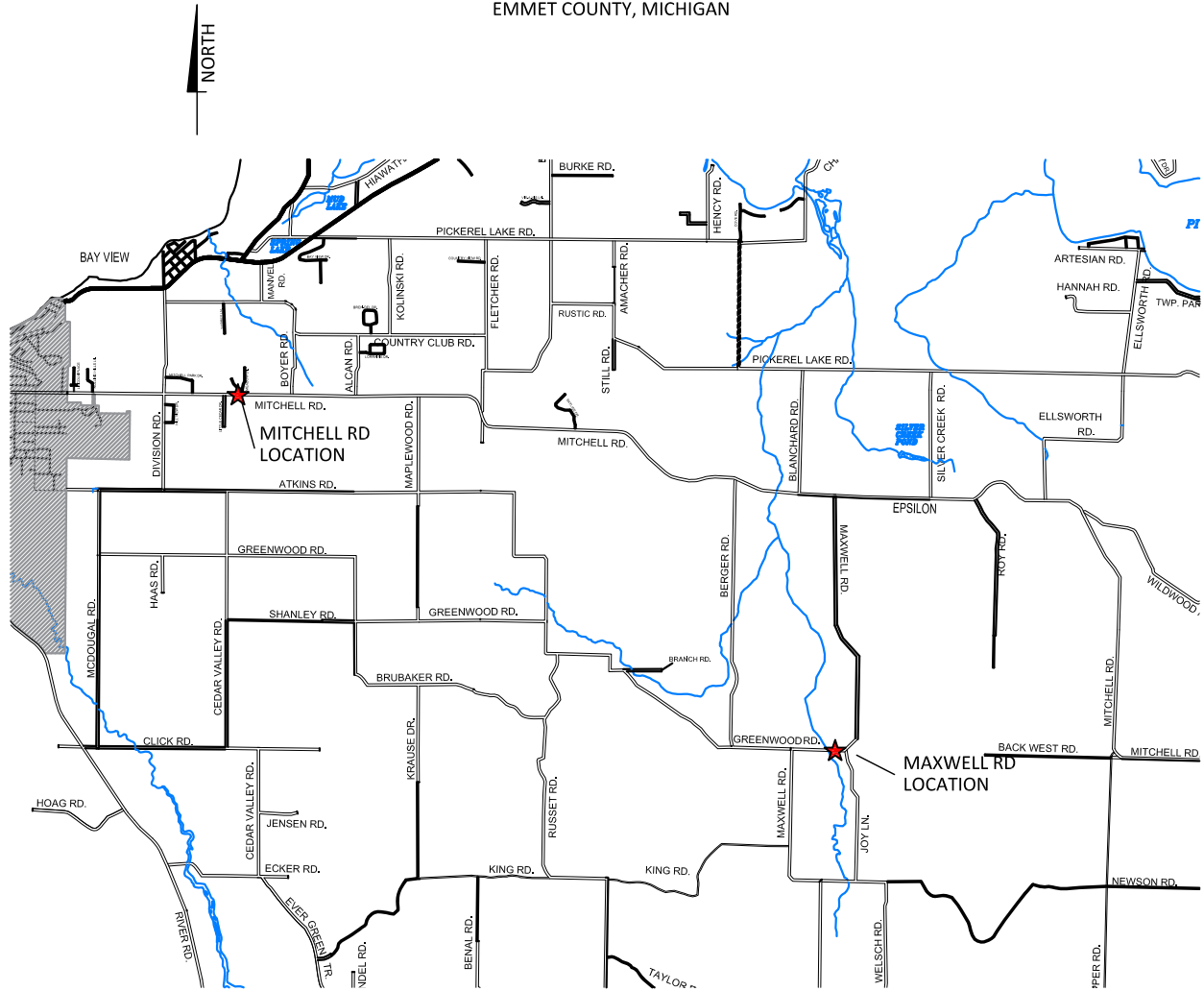
The Emmet County Road Commission, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office the Secretary, Part 21, Nondiscrimination in Federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contact entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

EMMET COUNTY ROAD COMMISSION

PLANS OF PROPOSED ROAD IMPROVEMENTS

Mitchell Road & Maxwell Road Cure-In-Place Pipe Installation

SECTION 3, T 34 N, R 5 W
BEAR CREEK TOWNSHIP
SECTION 17 & 20, T 34 N, R 4 W
SPRINGVALE TOWNSHIP
EMMET COUNTY, MICHIGAN



800-482-7171

CONTRACT FOR:
MOBILIZATION, CULVERT LINING AND TRAFFIC CONTROL

EXCEPT WHERE OTHERWISE NOTED IN THESE PLANS, PROPOSAL, SUPPLEMENTAL SPECIFICATIONS OR SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION.

EMMET COUNTY ROAD COMMISSION
2265 EAST HATHAWAY ROAD - HARBOR SPRINGS, MI

DESCRIPTION OF WORK

- Culvert Lining at the intersection of Mitchell Road and Meadow Lane (55 Ft west of the Centerline of Meadow Lane)
- Culvert Lining on Maxwell Road, 2.18 mile south of Mitchell Road (250 Ft west of Joy Lane)

SPECIFICATIONS

The improvements covered by these plans shall be done in accordance with the Michigan Department of Transportation 2020 Standard Specifications for Construction as amended by Supplemental Specifications and Special Provisions.

PROJECT DATES

A pre-construction meeting will be scheduled by the Emmet County Road Commission prior to project start. All project submittals are to be submitted for review at this meeting.

Project Start Date: 10 days after all Contracts are executed.
Project Completion Date: September 26, 2025 (All Project Items)

The project shall be completed within thirty (30) days of starting date.

PROJECT SUBMITTALS

The following shall be submitted to the Road Commission Engineer for approval prior to project start:

1. Material Source List (MDOT Form 501)
2. Progress Schedule (must be submitted within 5 days of Contract award)
3. Damage Claim Program
4. Traffic Control Plan

Upon project completion, the Contractor shall submit a written "Notice of Completion" to the Engineer. After the Engineer receives the Notice of Completion, the Engineer will inspect the project. The Engineer will provide a list of any deficient items (Punch List) to the Contractor. Final acceptance will only be issued when any deficient items are addressed to the satisfaction of the Engineer. Final acceptance will be provided to the Contractor in writing.

TECHNICAL SPECIFICATIONS ORDER OF PREFERENCE

The technical specifications for the project shall be in accordance with the 2020 Standard Specifications for Construction of the Michigan Department of Transportation, as amended, hereinafter referred to as the "Standard Specifications".

In case of a conflict in the contract, the following establishes the or of precedence:

1. ECRC Proposal and Project Specifications
2. Special Provisions
3. MDOT Supplemental Specifications

- 4. ECRC Project Plans and Drawings
- 5. MDOT Standard Plans
- 6. MDOT Standard Specifications

The Engineer has the right to increase or decrease quantities based on unit prices bid. Final quantities will be based on the unit price bid per estimated quantities and can be adjusted by the Engineer without adjustment in unit price bid by Contractor

PROJECT COORDINATION

The Contractor shall coordinate all work with adjacent project contractor. There will be two separate road projects on Maxwell Road Summer of 2025, a Federal Aid project from E. Mitchell Road, south 8500’ and a Locally Funded project starting 8500’ south of Mitchell Road to Greenwood Road. This project and work must be scheduled not to cause delays for either project on Maxwell Road.

STANDARD PLANS & SPECIAL DETAILS

The following items shall be constructed in accordance with the referenced Standard Plan or Special Detail listed below unless otherwise specified.

Road Standard Plans

R-96-E Soil Erosion & Sedimentation Control Measures

Traffic & Safety Work Zone Special Details

WZD-125-E* Temporary Traffic Control Devices

PROJECT STATIONS

Station	Notes
Mitchell Road	
0+00 R	Centerline of Meadow Lane
0+55	Cross culvert to be lined
32+65	Centerline of Division Road
Maxwell Road	
0+00	Centerline of Mitchell Road
109+75 L	Centerline of Joy Lane
112+25	Culvert to be lined
131+20 L	Centerline of Greenwood Road and Maxwell Road Intersection

MAINTAINING TRAFFIC

Maintain traffic using traffic regulators in accordance with MDOT Maintaining Traffic Typical 110-TR-NFW-2L. Traffic shall be maintained during the project through the use of lane closures, two way traffic shall be open during non-working hours. The Contractor shall coordinate operations with

contractors performing work on other projects within or adjacent to the Construction Influence Area (CIA).

The Construction Influence Area for this project shall consist of the width of the project right of way, and the width of the right of way on intersecting roads, from a point where advance construction warning signing begins to a point where it ends.

At no time may Traffic Control Stop and Hold traffic, including loaded & unloaded asphalt trucks on the new HMA surface.

Advanced Warning signs shall be in place before any work begins.

Payment for all traffic control, signing and traffic control items shall be paid for as **Traffic Control**.

Item	Quantity	Unit
Traffic Control, Max \$1600 (Partial E. Mitchell Road)	1	LSUM
Traffic Control, Max \$1600 (Partial Maxwell Road)	1	LSUM

PROPOSED IMPROVEMENTS

Cured-In-Place Pipe Liner for Culverts and Storm Sewers

See Special Provision

Item	Quantity	Unit
Cured-In-Place Pipe Lining, 36 inch (E. Mitchell Road)	60	Ft
Cured-In-Place Pipe Lining, 24 inch (Maxwell Road)	90	Ft

MISCELLANEOUS ITEMS OF WORK

The following items shall be used as they apply throughout the entire project.

Item	Quantity	Unit
Mobilization, Max \$5000 (Partial E. Mitchell Road)	1	LSUM
Mobilization, Max \$5000 (Partial Maxwell Road)	1	LSUM

GENERAL NOTES

All work being performed will be conducted in the safest manner possible and appropriate PPE shall be used at all times. All work shall be done in accordance with the Michigan Department of Transportation 2020 Standard Specification for Construction. Contractor assumes all responsibilities for Quality Control (QC) to assure the plans and specifications are met per the contract and to provide professional craftsmanship in each task being performed. Any errors in plans or discrepancies found in the field shall be brought to the engineer's attention immediately. All materials shall meet the requirements of the Michigan Department of Transportation Materials Source Guide.

The Emmet County Road Commission, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office the Secretary, Part 21, Nondiscrimination in Federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contact entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

MISS DIG / Underground Utility Notification

For the protection of underground utilities and in compliance with MCL 460.171 et seq, the Contractor shall contact MISS DIG System, Inc. by phone at 811 or 800-482-7171 or via the web at either elocate.missdig.org for single addresses or rte.missdig.org, a minimum of 3 working days prior to excavating, excluding weekends and holidays.

AT&T

Jeff Collard
(231) 347-8010

DTE

Matt Logan
(231) 258-3785

CENTURY LINK

Lance Gow
(231) 548-9930

GREAT LAKES ENERGY

William LaTourneau
(231) 487-1339

TRUE STREAM

Jeff Wilhelm
(231) 487-1356

CHARTER COMMUNICATIONS

Construction Coordinator
(616) 402-2700

CONSUMERS ENERGY

Dale Jacobs
(989) 370-6570

The existing utilities listed above and, on the plans, represent the best information available. This information does not relieve the Contractor of the responsibility to be satisfied as to its accuracy and the location of existing utilities.

Soil Erosion Measures

The Contractor shall implement and maintain the soil erosion control measures as shown on the plans before and at all times during construction of this project. All SESC measures shall conform to current MDOT standards, manufacture guidelines and established best practices.

Daily inspections shall be made by the Contractor; periodic inspections shall be made by the Engineer to determine the effectiveness of the SESC measures. Any required corrections shall be made without delay.

All permanent erosion control measures shall be permanently maintained by the Emmet County Road Commission.

Site Cleanup

The Contractor shall keep the work site clean of trash and other debris. At the end of each day, the project shall be inspected, and all trash removed. No payment shall be made for this work.

Bonding Requirements

The successful Contractor shall furnish a performance bond equal to the contract price as assurance for faithful contract performance.

The Contractor shall also furnish a separate **surety bond** equal to the contract price as security for payment to all persons performing labor and furnishing materials in connection with this contract. The Contractor shall pay the premium for all bonds.

The bonds must meet requirements of Michigan Law.

Bonds shall be submitted and approved before contract execution.

Insurance requirements

The Contractor shall furnish proof of general liability insurance in amounts not less than \$2,000,000 each occurrence and general aggregate, proof of automobile liability in amounts not less than \$2,000,000 combined single limit for each accident, bodily injury per accident, and property damage per accident, and in amount not less than \$1,000,000 for bodily injury per person. Such proof of insurance shall include a valid certificate of insurance demonstrating that the Emmet County Road Commission is additional insured party on the policy. Such insurance shall cover a period not less than the term of the project and shall provide that it cannot be cancelled without 30 days advanced written notice to the Emmet County Road Commission, by certified mail, first class, return receipt requested. The Contract/Project Agreement will be invalid if insurance expires during the authorized period of work described.

In addition to any liability or obligation by the Contractor that may otherwise exist, Contractor shall, to the fullest extent permitted by law, indemnify and hold harmless the Emmet County Road Commission and its commissioners, officers, agents and employees from and against any and all claims, actions, proceedings, liabilities, losses, and damages thereof, and any and all costs and expenses, including legal fees, associated therewith which the Emmet County Road Commission may sustain by reason of claims for or allegations of negligence or violation of the terms and conditions of the Contract/Project Agreement, arising out of the work which is subject of the Contract.

Liquidated Damages

Liquidated damages will be assessed for failure to complete this project by the specified date, or by the allowed number of days specified once work begins, due to lack of effort, poor organization or ability to perform on the Contractor's part. Liquidated Damages may be waived by the Project Engineer. Liquidated damages will be assessed according to the table below:

Project Award Amount	Liquidated Damages
\$0 - \$150,000	\$500 per Calendar Day
\$150,001 - \$500,000	\$750 per Calendar Day
Over \$500,000	\$1,000 per Calendar Day

BID SHEET

Board of Emmet County Road Commissioners
 2265 East Hathaway Road
 Harbor Springs, MI 49740

The undersigned proposes to furnish any and all materials, labor, and equipment necessary for the Cured-In-Place-Pipe Lining of culverts as spelled out in the "Invitation to Bid" for the prices below.

The Emmet County Road Commission reserves the right to reject any and/or all bids based on what is in the best interest of Emmet County.

Contractor Name: _____

Project:
 2025 CIPP Lining

Item	Quantity	Unit	Unit Price	Total
Mobilization, Max \$10000	1	LSUM		
Cured-In-Place Pipe Lining, 36 inch (Mitchell Road)	60	Ft		
Cured-In-Place Pipe Lining, 24 inch (Maxwell Road)	90	Ft		
Traffic Control, Max \$3200	1	LSUM		
TOTAL PROJECT COST ESTIMATE =				

Bidder: _____

Address: _____

Signature: _____

Phone No.: _____

Printed Name: _____

Date: _____

Title: _____

Email: _____

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE LINER FOR CULVERTS AND STORM SEWERS

COS:DMG

1 of 3

APPR:NJM:DBP:11-25-24

a. Description. This work consists of the design and installation of the cured-in-place resin impregnated felt liner into an existing circular or non-circular culvert or storm sewer by hydrostatic inversion or by the direct pulled-in-place method at the locations specified on the plans. Cure the liner in place so that the finished installation is continuous, furnishes structural support, and is tight fitting to the existing pipe. The manufacturer of the liner system must furnish the design, installation, and inspection of the liner and must have an authorized representative on site during installation.

Furnish video inspection of the culverts and sewers before (after cleaning) and after lining. All culvert and sewer cleaning, maintaining flow, bypass pumping, and site preparation is included in this work except as described below.

b. Materials. Use tube and resin material in accordance with one of the following standards: *ASTM F1216*, *ASTM F1743*, *ASTM F2019* and/or *Design of Close-Fit Liners for the Rehabilitation of Gravity Pipes*, *MOP 145 (ASCE MOP 145)*, as applicable.

Design the liner for HS-20 live loading. For circular pipe, design the required cured-in-place liner wall thickness in accordance with *Appendix X1 of ASTM F1216* or *ASCE MOP 145*. For non-circular pipe, design the cured-in-place liner in accordance with *ASCE MOP 145*. Use the formulas assuming a fully deteriorated pipe condition and assume the water table is at the top surface of the pavement over the existing pipe.

Furnish documentation and calculations to the Engineer prior to installation verifying the proposed design liner thickness for each run of pipe, all component materials, and that the liner meets the minimum chemical resistance requirements in accordance with *Appendix X2 of ASTM F1216* and/or *ASCE MOP 145*, as applicable.

Furnish a tube consisting of one or more layers of flexible needled felt or equivalent woven or nonwoven material capable of carrying resin and withstanding installation pressures and curing temperatures. Ensure the tube is compatible with the resin system used. Ensure the tube material can stretch to fit irregular culvert or sewer sections. Ensure the outside layer of the tube is plastic-coated with a material that is compatible with the resin system used. Fabricate the tube to the required size to fit the inside diameter for the full length of the existing culvert or sewer when cured. Ensure allowance is made for circumferential stretch during the hydrostatic inversion method and for longitudinal stretch during the direct pulled-in-place method.

c. Construction. Furnish at least 10 work days notice to the Engineer prior to starting the work. Electronically submit all required documentation to the Engineer for approval prior to starting the work. Do not begin work until approval is received from the Engineer.

Video inspect the existing and lined pipe in accordance with subsection 402.03.J of the Standard

Specifications for Construction. Thoroughly clean the existing pipe prior to video inspection. Dispose of all debris in accordance with subsection 205.03.P of the Standard Specifications for Construction.

Propose a corrective action to eliminate any obstruction revealed by the pre-installation inspection that cannot be removed by conventional pipe cleaning equipment and that prevents the cured-in-place liner from being installed properly. Ensure the proposed corrective action is approved by the Engineer prior to commencement of the work.

Maintain flow around the run of pipe designated for lining as necessary. Ensure the bypass pumping system can provide adequate capacity to handle the existing flow plus any additional flow that may occur during periods of precipitation. Electronically submit a bypass pumping plan containing all necessary details to the Engineer for approval at least 10 work days prior to conducting the work.

Continuously monitor all pumps and equipment. Follow local noise ordinances if pumping is required on a 24-hour basis.

Install the cured-in-place liner in accordance with the manufacturer's guidelines and *ASTM F1216*, *ASTM F1743*, or *ASTM F2019*, as applicable. Ensure the finished liner is continuous over the entire length of pipe and is free from visual defects, such as foreign inclusions, dry spots, pinholes, lifts, and delamination. Wrinkles or other flaws in the cured liner that reduce the hydraulic capacity of the pipe are unacceptable. Correct any deficiency found at no cost to the contract, utilizing a method approved by the Engineer. Remove and dispose of excess resin and other materials generated from the installation.

For all types of resin and installation methods, capture and dispose of all process water and wastewater resulting from the installation and flushing of the cured-in-place liner. Ensure the captured water is disposed of at a local wastewater treatment facility or as otherwise approved by the Engineer in accordance with applicable federal, state, and local regulations and permit requirements. Furnish written authorization to the Engineer for acceptance of this water from the local wastewater treatment facility prior to starting the work. Furnish written confirmation to the Engineer from the disposal facility verifying the process water was disposed of properly. Ensure process water is not discharged directly or indirectly to a ditch, storm sewer, surface water body, or other unapproved location.

Prepare and test samples for each lined run of pipe in accordance with *ASTM F1216*, section 8.1 or *ASTM F2019*, section 7.1 and/or *ASCE MOP 145*, as applicable.

Furnish a certification, sealed by a Professional Engineer licensed in the State of Michigan, verifying that the lining system has been designed, manufactured, and installed in accordance with the applicable *ASTM* standards and this special provision.

d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item	Pay Unit
Cured-In-Place Pipe Lining, __ inch	Foot
Cured-In-Place Pipe Lining, __ inch includes cleaning, debris disposal and video inspection	

necessary to line the culverts and storm sewers as described.

The cost for the work to remove an obstruction that cannot be removed with conventional pipe cleaning equipment will be paid for separately in accordance with the contract.