

CITY OF ANN ARBOR
INVITATION TO BID



Park Bridge Repairs and Renovations

ITB No. 4597

Due Date: October 25, 2019, 10:00am (Local Time)

Community Services / Parks and Recreation Services

Issued By:

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

TABLE OF CONTENTS

TABLE OF CONTENTS.....	TC-1
NOTICE OF PRE-BID CONFERENCE.....	NP-1
INSTRUCTIONS TO BIDDERS.....	IB-1 to 5
INVITATION TO BID.....	ITB-1 to 3
BID FORMS.....	BF-1 to 5
CONTRACT.....	C-1 to 4
BOND FORMS.....	B-1 to 2
GENERAL CONDITIONS.....	GC-1 to 16
STANDARD SPECIFICATIONS.....	SS-17
DETAILED SPECIFICATIONS.....	DS-1 to

ATTACHMENTS

- City of Ann Arbor Prevailing Wage Declaration Form*
- City of Ann Arbor Living Wage Forms*
- City of Ann Arbor Vendor Conflict of Interest Disclosure Form*
- City of Ann Arbor Non-Discrimination Ordinance Notice and Declaration Form*

NOTICE OF PRE-BID CONFERENCE

A pre-bid conference for this project will be held on **Monday, October 14th at 3:00pm** in the **Basement Conference Room A, Larcom City Hall, 301 East Huron Street, Ann Arbor, MI 48104.**

Attendance at this conference is highly recommended. Administrative and technical questions regarding this project will be answered at this time. The pre-bid conference is for information only. Any answers furnished will not be official until verified in writing by the Financial Service Area, Procurement Unit. Answers that change or substantially clarify the bid will be affirmed in an addendum.

INSTRUCTIONS TO BIDDERS

General

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. All work to be done under this Contract is located in or near the City of Ann Arbor.

Any Bid which does not conform fully to these instructions may be rejected.

Preparation of Bids

Bids should be prepared providing a straight-forward, concise description of the Bidder's ability to meet the requirements of the ITB. Bids shall be written in ink or typewritten. No erasures are permitted. Mistakes may be crossed out and corrected and must be initialed and dated in ink by the person signing the Bid.

Bids must be submitted on the "Bid Forms" provided with each blank properly filled in. If forms are not fully completed it may disqualify the bid. No alternative bid will be considered unless alternative bids are specifically requested. If alternatives are requested, any deviation from the specification must be fully described, in detail on the "Alternate" section of Bid form.

Each person signing the Bid certifies that he/she is the person in the Bidder's firm/organization responsible for the decision as to the fees being offered in the Bid and has not and will not participated in any action contrary to the terms of this provision.

Questions or Clarifications / Designated City Contacts

All questions regarding this ITB shall be submitted via email. Emailed questions and inquires will be accepted from any and all prospective Bidders in accordance with the terms and conditions of the ITB.

All questions shall be due on or before **Wednesday, October 16th at 3:00pm** and should be addressed as follows:

Specification/Scope of Work questions emailed to both Mark Lessens mlessens@dlz.com and Hillary Hanzel hhanzel@a2gov.org.

Bid Process and Compliance questions emailed to Colin Spencer, cspencer@a2gov.org

Any error, omissions or discrepancies in the specification discovered by a prospective contractor and/or service provider shall be brought to the attention of Hillary Hanzel, Parks and Recreation Services at hhanzel@a2gov.org after discovery as possible. Further, the contractor and/or service provide shall not be allowed to take advantage of errors, omissions or discrepancies in the specifications.

Addenda

If it becomes necessary to revise any part of the ITB, notice of the Addendum will be posted to Michigan Inter-governmental Trade Network (MITN) www.mitn.info and/or City of Ann Arbor web site www.A2gov.org for all parties to download.

Each Bidder must in its Bid, to avoid any miscommunications, acknowledge all addenda which it has received, but 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 written addenda.

Bid Submission

All Bids are due and must be delivered to the City of Ann Arbor Procurement Unit on or before **Friday, October 25, 10:00am EST**. Bids submitted late or via oral, telephonic, telegraphic, electronic mail or facsimile **will not** be considered or accepted.

Each Bidder must submit one (1) original Bid and **one (1)** Bid copy in a sealed envelope clearly marked: **ITB No. 4597 Park Bridge Repairs and Renovations**.

Bids must be addressed and delivered to:

City of Ann Arbor
Procurement Unit,
c/o Customer Services, 1st Floor
301 East Huron Street
Ann Arbor, MI 48107

All Bids received on or before the Due Date will be publicly opened and recorded immediately. No immediate decisions are rendered.

The following forms provided within this ITB Document must be included in submitted bids.

- **City of Ann Arbor Prevailing Wage Declaration of Compliance**
- **City of Ann Arbor Living Wage Ordinance Declaration of Compliance**
- **Vendor Conflict of Interest Disclosure Form**
- **City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance**

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

Hand delivered bids will be date/time stamped/signed by the Procurement Unit at the address above in order to be considered. Normal business hours are 9:00 a.m. to 3:00 p.m. Monday through Friday, excluding Holidays. The City will not be liable to any Bidder for any unforeseen circumstances, delivery or postal delays. Postmarking to the Due Date will not substitute for receipt of the Bid. Each Bidder is responsible for submission of their Bid.

Additional time for submission of bids past the stated due date and time will not be granted to a single Bidder; however, additional time may be granted to all Bidders when the City determines in its sole discretion that circumstances warrant it.

Award

The City intends to award a Contract(s) to the lowest responsible Bidder(s). On multi-divisional contracts, separate divisions may be awarded to separate Bidders. The City may also utilize alternatives offered in the Bid Forms, if any, to determine the lowest responsible Bidder on each division, and award multiple divisions to a single Bidder, so that the lowest total cost is achieved for the City. For unit price bids, the Contract will be awarded based upon the unit prices and the lump sum prices stated by the bidder for the work items specified in the bid documents, with consideration given to any alternates selected by the City. If the City determines that the unit price for any item is materially different for the work item bid than either other bidders or the general

market, the City, in its sole discretion, in addition to any other right it may have, may reject the bid as not responsible or non-conforming.

The acceptability of major subcontractors will be considered in determining if a Bidder is responsible. In comparing Bids, the City will give consideration to alternate Bids for items listed in the bid forms. All key staff and subcontractors are subject to the approval by the City.

Official Documents

The City of Ann Arbor officially distributes bid documents from the Procurement Unit or through the Michigan Intergovernmental Trade Network (MITN). Copies of the bid documents obtained from any other source are not Official copies. Addenda and other bid information will only be posted to these official distribution sites. If you obtained City of Ann Arbor Bid documents from other sources, it is recommended that you register on www.MITN.info and obtain an official Bid. Bidders do not need to be shown on the plan holders list provided by MITN to be considered an official plan holder.

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.

Withdrawal of Bids

After the time of opening, no Bid may be withdrawn for the period of sixty (60) days.

Contract Time

Time is of the essence in the performance of the work under this Contract. The available time for work under this Contract is indicated on page C-1, Article III of the Contract. If these time requirements can not be met, the Bidder must stipulate on Bid Form Section 3 - Time Alternate its schedule for performance of the work. Consideration will be given to time in evaluating bids.

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.

Human Rights Information

All contractors 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 Section 5, beginning at page GC-2 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.

Wage Requirements

Section 4, beginning at page GC-1, outlines the requirements for payment of prevailing wages and for payment of a “living wage” to employees providing service to the City under this contract. The successful bidder and its subcontractors must comply with all applicable requirements and provide proof of compliance.

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 the Prevailing Wage Form provided in the Appendix section 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 bids 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.

For the purposes of this ITB the **Construction Type of Heavy** will apply.

Conflict Of Interest Disclosure

The City of Ann Arbor Purchasing Policy requires that prospective Vendors complete a Conflict of Interest Disclosure form. A contract may not be awarded to the selected Vendor 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 Vendor Conflict of Interest Disclosure Form is attached.

Major Subcontractors

The Bidder shall identify on Bid Form Section 4 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.

Debarment

Submission of a Bid in response to this ITB is certification that the Bidder 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.

Disclosures

After bids are opened, all information in a submitter’s bid is subjected to disclosure under the provisions of Michigan Public Act No. 442 of 1976, as amended (MCL 15.231 et seq.) known as the “Freedom of Information Act.” The Freedom of Information Act also provides for the complete disclosure of contracts and attachments thereto except where specifically exempted.

Bid Protest

All Bid protests must be in writing and filed with the Purchasing Agent within five (5) business days of the award action. The bidder must clearly state the reasons for the protest. If a 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 Agent. The Purchasing Agent 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 any prospective 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.

Cost Liability

The City of Ann Arbor assumes no responsibility or liability for costs incurred by the Bidder prior to the execution of a contract with the City. By submitting a bid, a bidder agrees to bear all costs incurred or related to the preparation, submission and selection process for the bid.

Reservation of Rights

The City of Ann Arbor reserves the right to accept any bid or alternative bid proposed in whole or in part, to reject any or all bids or alternatives bids in whole or in part and to waive irregularity and/or informalities in any bid and to make the award in any manner deemed in the best interest of the City.

Idlefree Ordinance

The City of Ann Arbor adopted an idling reduction Ordinance that goes into effect July 1, 2017. The full text of the ordinance (including exemptions) can be found at: 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.

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.

INVITATION TO BID

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, Instructions to Bidders, 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 _____, 201__.

Bidder's Name

Authorized Signature of Bidder

Official Address

(Print Name of Signer Above)

Telephone Number

Email Address for Award Notice

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):

* An individual, whose signature with address, is affixed to this Bid: _____ (initial here)

Authorized Official

_____ **Date** _____, 201__

(Print) Name _____ Title _____

Company: _____

Address: _____

Contact Phone () _____ Fax () _____

Email _____

BID FORM

Section 1 - Schedule of Prices

Company: _____

Project: **2019 Park Bridge Repairs and Renovations**

Item No. XXXXXXXX Indicates MDOT Standard Item of Work. See MDOT Standard Specifications for Construction

Item No. XXX7XXX Indicates Modified Item of Work. See Detailed Specification contained in the Contract Documents

ITB No. 4597

<u>Item No.</u>	<u>Pay Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
General Conditions					
1500001	General Conditions, Max, \$50,000	LSUM	1	\$ _____	\$ _____
1047001	Certified Payroll Compliance and Reporting	LSUM	1	\$ _____	\$ _____
8080007	Fence, Protective	Ft	1300	\$ _____	\$ _____
8120022	Barricade, Type III, High Intensity, Lighted, Furn	Ea	28	\$ _____	\$ _____
8120023	Barricade, Type III, High Intensity, Lighted, Oper	Ea	28	\$ _____	\$ _____
8120250	Plastic Drum, High Intensity, Furn	Ea	20	\$ _____	\$ _____
8120251	Plastic Drum, High Intensity, Oper	Ea	20	\$ _____	\$ _____
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	299	\$ _____	\$ _____
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	299	\$ _____	\$ _____
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	52	\$ _____	\$ _____
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	52	\$ _____	\$ _____
Total-General Conditions					\$ _____
North Barton Pedestrian Structure					
7060092	Reinforcement, Steel, Epoxy Coated	Lb	20	\$ _____	\$ _____
7060140	Water Repellent Treatment, Penetrating	Syd	1	\$ _____	\$ _____
7120007	Hand Chipping, Other Than Deck	Cft	1	\$ _____	\$ _____
7120017	Patch, Forming	Sft	3	\$ _____	\$ _____
7120112	Patching Conc, C-L	Cyd	0.1	\$ _____	\$ _____
7120120	Embedded Galvanic Anode	Ea	6	\$ _____	\$ _____
Total-North Barton Pedestrian Structure					\$ _____
South Barton Pedestrian Structure					
2047051	_Structures, Rem Portions, Special (South Barton)	LSUM	1	\$ _____	\$ _____
2060010	Excavation, Fdn	Cyd	15	\$ _____	\$ _____
2080036	Erosion Control, Silt Fence	Ft	100	\$ _____	\$ _____
7060011	Conc, Grade S2	Cyd	3	\$ _____	\$ _____
7097010	_Timber Decking, 3 inch by 12 inch	Sft	260	\$ _____	\$ _____
7097051	_Structure, Timber, Boardwalk (South Barton)	LSUM	1	\$ _____	\$ _____
8167011	Topsoil Surface, 4 inch	Syd	40	\$ _____	\$ _____
8167011	Hydroseeding	Syd	40	\$ _____	\$ _____
Total-South Barton Pedestrian Structure					\$ _____

BID FORM

Section 1 - Schedule of Prices

Company: _____

Project: **2019 Park Bridge Repairs and Renovations**

Item No. XXXXXXXX Indicates MDOT Standard Item of Work. See MDOT Standard Specifications for Construction

Item No. XXX7XXX Indicates Modified Item of Work. See Detailed Specification contained in the Contract Documents

ITB No. 4597

<u>Item No.</u>	<u>Pay Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
Bandemer Park Pedestrian Structure					
2047051	_Structures, Rem Portions, Special (Bandemer Ped)	LSUM	1	\$ _____	\$ _____
7070070	Structural Steel, Rolled Shape, Erect	Lb	4710	\$ _____	\$ _____
7070071	Structural Steel, Rolled Shape, Furn and Fab	Lb	4710	\$ _____	\$ _____
7097001	_Composite Railing, 2 inch by 8 inch	Ft	292	\$ _____	\$ _____
7097010	_Timber Decking, 3 inch by 12 inch	Sft	1040	\$ _____	\$ _____
7157051	_Steel Structure, Coating, Partial, Special (Bandemer Ped)	LSUM	1	\$ _____	\$ _____
7157051	_Steel Structure, Cleaning, Partial, Special (Bandemer Ped)	LSUM	1	\$ _____	\$ _____
Total-Bandemer Park Pedestrian Structure					\$ _____
Bandemer Park Vehicle Structure					
2047051	_Structures, Rem Portions, Special (Bandemer Veh)	LSUM	1	\$ _____	\$ _____
7070050	Structural Steel, Mixed, Erect	Lb	20260	\$ _____	\$ _____
7070051	Structural Steel, Mixed, Furn and Fab	Lb	20260	\$ _____	\$ _____
7097010	_Timber Decking, 4 inch by 12 inch	Sft	1550	\$ _____	\$ _____
7117001	_Composite Railing, 2 inch by 8 inch	Ft	300	\$ _____	\$ _____
7157051	_Steel Structure, Cleaning, Partial, Special (Bandemer Veh)	LSUM	1	\$ _____	\$ _____
7157051	_Steel Structure, Coating, Partial, Special (Bandemer Veh)	LSUM	1	\$ _____	\$ _____
8077001	_Guardrail, Type B, Modified	Ft	292	\$ _____	\$ _____
Total-Bandemer Park Vehicle Structure					\$ _____
Argo Park Pedestrian Structure					
7097010	_Timber Decking, Salv and Reinstall, 3 inch by 12 inch	Sft	360	\$ _____	\$ _____
7157051	_Steel Structure, Cleaning, Partial, Special (Argo)	LSUM	1	\$ _____	\$ _____
7157051	_Steel Structure, Coating, Partial, Special (Argo)	LSUM	1	\$ _____	\$ _____
Total-Argo Park Pedestrian Structure					\$ _____

BID FORM

Section 1 - Schedule of Prices

Company: _____

Project: **2019 Park Bridge Repairs and Renovations**

Item No. XXXXXXXX Indicates MDOT Standard Item of Work. See MDOT Standard Specifications for Construction

Item No. XXX7XXX Indicates Modified Item of Work. See Detailed Specification contained in the Contract Documents

ITB No. 4597

<u>Item No.</u>	<u>Pay Item Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
Mitchell Field Pedestrian Structure					
2047051	_Structures, Rem Portions, Special (Mitchell Truss)	LSUM	1	\$ _____	\$ _____
2047051	_Structures, Rem Portions, Special (Mitchell Boardwalk)	LSUM	1	\$ _____	\$ _____
7070070	Structural Steel, Rolled Shape, Erect	Lb	2800	\$ _____	\$ _____
7070071	Structural Steel, Rolled Shape, Furn and Fab	Lb	2800	\$ _____	\$ _____
7097001	_Composite Railing, 2 inch by 4 inch	Ft	1276	\$ _____	\$ _____
7097001	_Composite Railing, 2 inch by 8 inch	Ft	393	\$ _____	\$ _____
7097010	_Timber Decking, 2 inch by 10 inch	Sft	1070	\$ _____	\$ _____
7097051	_Structure, Timber, Boardwalk (Mitchell Boardwalk)	LSUM	1	\$ _____	\$ _____
7157051	_Steel Structure, Cleaning, Partial, Special (Mitchell Truss)	LSUM	1	\$ _____	\$ _____
7157051	_Steel Structure, Coating, Partial, Special (Mitchell Truss)	LSUM	1	\$ _____	\$ _____
Total-Mitchell Field Pedestrian Structure					\$ _____

Gallup Park Vehicle Structure					
2047051	_Structures, Rem Portions, Special (Gallup)	LSUM	1	\$ _____	\$ _____
7070060	Structural Steel, Plate, Erect	Lb	3550	\$ _____	\$ _____
7070061	Structural Steel, Plate, Furn and Fab	Lb	3550	\$ _____	\$ _____
Total-Gallup Park Vehicle Structure					\$ _____

Total-General Conditions	\$ _____
Total-North Barton Pedestrian Structure	\$ _____
Total-South Barton Pedestrian Structure	\$ _____
Total-Bandemer Park Pedestrian Structure	\$ _____
Total-Bandemer Park Vehicle Structure	\$ _____
Total-Argo Park Pedestrian Structure	\$ _____
Total-Mitchell Field Pedestrian Structure	\$ _____
Total-Gallup Park Vehicle Structure	\$ _____
TOTAL BASE BID	\$ _____

BID FORM

Section 2 – Material, Equipment and Environmental Alternates

The Base Bid 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 Contractor 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 an environmental alternative is bid the City strongly encourages bidders to provide recent examples of product testing and previous successful use for the City to properly evaluate the environmental alternative. Testing data from independent accredited organizations are strongly preferred.

<u>Item Number</u>	<u>Description</u>	<u>Add/Deduct Amount</u>
--------------------	--------------------	--------------------------

If the Bidder does not suggest any material or equipment alternate, the Bidder **MUST** complete the following statement:

For the work outlined in this request for bid, the bidder does NOT propose any material or equipment alternate under the Contract.

Signature of Authorized Representative of Bidder _____ Date _____

BID FORM

Section 3 - Time Alternate

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 below its proposed time for performance of the work. Consideration will be given to time in evaluating bids.

If the Bidder does not suggest any time alternate, the Bidder **MUST** complete the following statement:

For the work outlined in this request for bid, the bidder does NOT propose any time alternate under the Contract.

Signature of Authorized Representative of Bidder _____ Date _____

BID FORM

Section 4 - Major Subcontractors

For purposes of this Contract, a Subcontractor is anyone (other than the Contractor) who performs work (other than or in addition to the furnishing of materials, plans or equipment) at or about the construction site, directly or indirectly for or on behalf of the Contractor (and whether or not in privity of Contract with the Contractor), but shall not include any individual who furnishes merely the individual's own personal labor or services.

Contractor agrees that all subcontracts entered into by the Contractor shall contain similar wage provision to Section 4 of the General Conditions covering subcontractor's employees who perform work on this contract.

For the work outlined in these documents the Bidder expects to engage the following major subcontractors to perform the work identified:

<u>Subcontractor (Name and Address)</u>	<u>Work</u>	<u>Amount</u>
---	-------------	---------------

If the Bidder does not expect to engage any major subcontractor, the Bidder **MUST** complete the following statement:

For the work outlined in this request for bid, the bidder does NOT expect to engage any major subcontractor to perform work under the Contract.

Signature of Authorized Representative of Bidder _____ Date _____

BID FORM

Section 5 – References

Include a minimum of ____ reference from similar project completed within the past ____ years.

[Refer also to Instructions to Bidders for additional requirements, if any]

1) _____
 Project Name Cost Date Constructed

 Contact Name Phone Number

2) _____
 Project Name Cost Date Constructed

 Contact Name Phone Number

3) _____
 Project Name Cost Date Constructed

 Contact Name Phone Number

SAMPLE STANDARD CONTRACT

If a contract is awarded, the selected contractor will be required to adhere to a set of general contract provisions which will become a part of any formal agreement. These provisions are general principles which apply to all contractors of service to the City of Ann Arbor such as the following:

CONTRACT

THIS AGREEMENT is made on the _____ day of _____, 201_, between the CITY OF ANN ARBOR, a Michigan Municipal Corporation, 301 East Huron Street, Ann Arbor, Michigan 48104 ("City") and _____ ("Contractor")

(An individual/partnership/corporation, include state of incorporation)

(Address)

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 [Insert Title of Bid and Bid Number] in accordance with the requirements and provisions of the following documents, including all written modifications incorporated into any of the documents, which are incorporated as part of this Contract:

Non-discrimination and Living Wage
Declaration of Compliance Forms (if
applicable)
Vendor Conflict of Interest Form
Prevailing Wage Declaration of
Compliance Form (if applicable)
Bid Forms
Contract and Exhibits
Bonds

General Conditions
Standard Specifications
Detailed Specifications
Plans
Addenda

ARTICLE II - Definitions

Administering Service Area/Unit means **Parks and Recreation Services / Community Services**

Project means **ITB 4597 Park Bridge Repairs and Renovations**

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 by Monday, June 15, 2020.
- (C) Interim substantial completion requirements are outlined in the detailed specification for project schedule, and include the following: Phase I work shall be substantially complete by Friday, March 27, 2020, and Phase II work shall be substantially complete by Monday, June 1, 2020.

- (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 \$900 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:

_____ Dollars (\$_____)

- (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 agreement, 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 agreement.

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 harmless 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.

FOR CONTRACTOR

By _____

Its: _____

FOR THE CITY OF ANN ARBOR

By _____
Christopher Taylor, Mayor

[signatures continue on next page]
By _____
Jacqueline Beaudry, City Clerk

Approved as to substance

By _____
City Administrator

By _____

Services Area Administrator

Approved as to form and content

Stephen K. Postema, 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 dated _____, 201_, for: _____ 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.

SIGNED AND SEALED this _____ day of _____, 201_.

(Name of Surety Company)

By _____
(Signature)

Its _____
(Title of Office)

Approved as to form:

Stephen K. Postema, 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, dated _____, 201_, for _____; 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.

SIGNED AND SEALED this _____ day of _____, 201_

(Name of Surety Company)

By _____
(Signature)

Its _____
(Title of Office)

Approved as to form:

Stephen K. Postema, 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 Agreement 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 Agreement 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 13. 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 which may arise under this Contract; whether the act(s) or omission(s) giving rise to the claim were made by the Contractor or by any subcontractor or anyone employed by them directly or indirectly. In the case of all contracts involving on-site work, the Contractor shall provide to the City, before the commencement of any work under this contract, certificates of insurance and other documentation satisfactory to the City demonstrating it has obtained the policies and endorsements required on behalf of itself, and when requested, any subcontractor(s). The certificates of insurance endorsements and/or copies of policy language shall document that the Contractor satisfies the following minimum requirements.

- (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 07 98 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 which 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 Job General Aggregate
\$1,000,000	Personal and Advertising Injury
\$2,000,000	Products and Completed Operations Aggregate

- (c) Motor Vehicle Liability Insurance, including Michigan No-Fault Coverages, equivalent to, as a minimum, Insurance Services Office form CA 00 01 07 97 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 which 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.

- (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 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; name of insurance company; name and address of the agent or authorized representative; name and address of insured; project name; policy expiration date; and specific coverage amounts; (b) any deductibles or self-insured retentions which shall 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) 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 admitted and 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-admitted 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.

Section 44

CONTRACTOR'S AFFIDAVIT

The undersigned Contractor, _____, represents that on _____, 20___, it was awarded a contract by the City of Ann Arbor, Michigan to_____ under the terms and conditions of a Contract titled _____. The Contractor represents that all work has now been accomplished and the Contract is complete.

The Contractor warrants and certifies that all of its indebtedness arising by reason of the Contract has been fully paid or satisfactorily secured; and that all claims from subcontractors and others for labor and material used in accomplishing the project, as well as all other claims arising from the performance of the Contract, have been fully paid or satisfactorily settled. The Contractor agrees that, if any claim should hereafter arise, it shall assume responsibility for it immediately upon request to do so by the City of Ann Arbor.

The Contractor, for valuable consideration received, does further waive, release and relinquish any and all claims or right of lien which the Contractor now has or may acquire upon the subject premises for labor and material used in the project owned by the City of Ann Arbor.

This affidavit is freely and voluntarily given with full knowledge of the facts.

Contractor Date

By _____
(Signature)

Its _____
(Title of Office)

Subscribed and sworn to before me, on this ____ day of _____, 20___
_____, _____ County, Michigan

Notary Public
_____ County, MI

My commission expires on:

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

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
CERTIFIED PAYROLL COMPLIANCE AND REPORTING

AA:MGN/DD

1 of 2

03/10/18

a. 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.

The intent of this specification is **not** to include the actual labor costs associated with the payment of prevailing wages as required. Properly incorporate those costs in all other contract items of work bid for the project.

b. General. The Contractor will 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 found to contain errors, omissions, inconsistencies, or other defects that render the report invalid. Provide the corrected copies 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.

Submit certified payrolls on City-provided forms or forms used by the Contractor, as long as the Contractor forms contain all required payroll information. If the Contractor elects to provide its own forms, the Supervising Professional shall approve of their use prior to the beginning of on-site work.

c. 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 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 City will not extend the contract completion date as a result of its 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. In such case, the City will adjust the contract completion date by the number of

calendar days commensurate with the length of its investigation if it cannot meet the published Notice to Proceed date of the work. The City will not allow adjustments to contract unit prices for all other items of work due to the adjustment of contract completion date.

d. Measurement and Payment. Measure and pay for the completed work, as described, at the contract unit price using the following pay item:

<u>Pay Item</u>	<u>Pay Unit</u>
Certified Payroll Compliance and Reporting	Lump Sum

Measure **Certified Payroll Compliance and Reporting** by the unit lump sum and pay for it at the contract unit price, which price includes costs for all supervisory, accounting, and administrative labor, and equipment and materials necessary to complete the work of monitoring, performing and maintaining compliance with the tasks required of this Detailed Specification.

Measurement will be on a pro rata basis at the time of each progress payment, and based on the ratio of work completed during the payment period and the total contract amount. When all of the work of this Contract is complete, the measurement of this item shall be 1.0 Lump Sum, less any deductions incurred for inadequate performance as described herein. This amount will not increase for any reason, including extensions of time, extras, and/or additional work.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
MATERIAL AND SUPPLY SUBMITTALS AND CERTIFICATIONS

AA:DAD

1 of 1

02/27/19

a. Description. This work includes submittal to the Engineer by the Contractor and its Subcontractors and prior to commencement of work; Michigan Department of Transportation Form 0501 (attached) showing all materials and supplies proposed for use on the project, and any product data information requested by the Engineer. It also includes furnishing certifications to the Engineer for review and approval a minimum of three business days prior to any scheduled delivery, installation, and/or construction of the same. The manufacturer or supplier shall certify the following materials and supplies are compliant with the contract specifications unless otherwise directed by the Engineer:

- Cement and lime
- Aggregates
- Admixtures and curing materials for concrete
- Asphaltic materials
- Steel reinforcement
- Structural steel
- Fencing materials
- Miscellaneous metal products
- Drainage products
- Geosynthetics
- Timber and lumber
- Masonry units
- Joint and waterproofing materials
- Bridge coating systems
- Erosion and sedimentation control materials
- Turf and landscaping materials
- Electrical and lighting materials
- Permanent traffic sign and support materials
- Permanent paving marking materials
- Permanent traffic signal materials
- Temporary traffic control materials
- Sanitary sewer materials
- Water main materials

b. Materials. None specified.

c. Construction. Not specified.

d. Measurement and Payment. Costs for this work will not be paid for separately, but shall be included in the Contract pay Item "General Conditions, Max, \$50,000".

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
REVISIONS TO PLANS

DLZ: MTL

Page 1 of 1

10/01/19

The City reserves to the right to increase or decrease plan quantities and/or eliminate items of work as necessary due to budgetary constraints without adjustment to the quoted unit and lump sum prices as bid by the Contractor.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
HOURS OF WORK

DLZ: MTL

1 of 1

10/01/19

- a. General Restrictions.-** Hours of work shall be Weekdays, Monday through Friday, between the hours of 7 a.m. and 8:00 p.m., except for the Mitchell Field Structure, where the hours of work shall be between 8 a.m. and 6 p.m. The Contractor may request permission, at least 5 days in advance and in writing, to work on Saturdays. The City shall review and may approve, at their sole discretion. No work will be allowed on Sundays.

The Gallup Park Vehicle Bridge may only be closed to vehicle traffic when the Contractor is actively working on repairs, and downward force needs to be applied to the deck panels to complete the work. The intent is for the bridge to remain open at all other times, as long as safe passage of vehicles can occur. One of the two pedestrian paths must remain open at all times on the bridge.

- b. Exceptions.-** Additional work restrictions are contained in the Detailed Specification for "Maintaining Traffic and Construction Sequencing" and elsewhere in the contract documents. These work restrictions shall take precedence over the General Restrictions 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 off-hours shall be submitted to the Engineer for approval a minimum of three (3) working days prior to beginning the work.

- c. 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 items (pay items).

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
PROJECT SCHEDULE

DLZ: MTL

Page 1 of 2

10/01/19

Examination of Plans, Specifications, and Work Site

The work of this project shall be completed while closing each structure to pedestrian and/or vehicle traffic (except for N. Barton Trail Pedestrian Structure, which shall remain open at all times, and except for one sidewalk on Gallup Park Vehicle Structure, which shall remain open at all times). See the Project Plans for additional information.

The Contractor is required to mobilize sufficient equipment and personnel, and work the necessary overtime, to complete the work within the timelines established herein. Bidders shall carefully examine the Bid Form, plans, specifications, and the work sites 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 examinations 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. This Project shall be conducted in two (2) phases, as outlined below. The Contractor shall begin the work of Phase 1 of this project on, or after, **Tuesday, December 4, 2019**, and only upon receipt of the fully executed Contract and Notice to Proceed.

Phase 1:

2. Phase 1 consists of work associated with substantial completion of the Gallup Park Vehicle Structure, the North Barton Pedestrian Structure and the South Barton Pedestrian Structure and shall be completed by **Friday, March 27, 2020**. Substantial completion of Phase 1 includes all structures that were closed to traffic being reopened to full public access and usage.

Phase 2:

3. Phase 2 shall commence upon substantial completion of Phase 1, and with written approval from the Engineer. Phase 2 consists of work associated with substantial completion of the Bandemer Park Pedestrian Structure, Bandemer Park Vehicle Structure, Argo Park Pedestrian Structure and Mitchell Field Pedestrian Structure, and shall be completed by **Monday, June 1, 2020**. Substantial completion includes all structures that were closed to traffic being reopened to full public access and usage.
4. The entire work under this contract shall be completed by **Monday, June 15, 2020**.

The Contractor shall submit a detailed schedule of work (progress schedule) for the Engineer's review and approval, two weeks prior to beginning work. The schedule shall clearly indicate, in detail, the start and the finish date of each work task on each structure. The Contractor shall update the approved progress schedule each week and present it to the Engineer at the weekly progress meeting and must consult with the Engineer for review and approval of any proposed

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
PROJECT SCHEDULE

DLZ: MTL

Page 2 of 2

10/01/19

deviations from the most current, approved, schedule.

The Contractor shall be furnished with two (2) copies of the Contract, for his/her execution, on or about **Monday, November 4, 2019**. The Contractor shall properly execute both copies of the Contract and return them, with the required Bonds and Insurance Certificate, to the City by **Wednesday, November 13, 2019**. The Contractor shall not begin the work before the applicable date(s) as described herein, and in no case before the receipt of the fully executed Contract. City Council approval is expected **Monday, November 18, 2019**.

The temporary closure (less than 1 day in length, with prior City approval) of a structure will be allowed, if necessary, for the Contractor to obtain field measurements. The Contractor shall immediately return the structure to the same, useable condition as it was before their work after any alterations/removal of components (decking, railing, etc.) are completed for these purposes

Failure to complete the work as specified, within the times specified, including time extensions granted thereto as determined by the Engineer, shall entitle the City to deduct from the payments due the Contractor \$900.00 in "Liquidated Damages", and not as a penalty, for each and every calendar day the work remains incomplete beyond the date specified. The length of time that each structure is closed to traffic shall be kept to the shortest duration possible so that disruptions to trail and park users are kept to a minimum. The Contractor shall not close a structure until all materials, equipment and labor is sufficient and available, in a continuous timeframe, to make constant progress and complete the work and reopen the structure as quickly as possible.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
**MAINTENANCE OF TRAFFIC
AND CONSTRUCTION SEQUENCING**

DLZ: MTL

Page 1 of 6

10/01/19

Description.

This work consists of bridge repairs and renovations on:

- N. Barton Park Pedestrian Structure over the Huron River
- S. Barton Park Pedestrian Structure over the Huron River
- Bandemer Park Pedestrian Structure over the Huron River
- Bandemer Park Vehicle Structure over the Huron River
- Argo Dam Pedestrian Structure over Argo Canoe Livery
- Mitchell Field Pedestrian Structure over the Huron River
- Gallup Park Vehicle Structure over the Huron River

The N. Barton Trail Pedestrian Structure over the Huron River shall remain open to pedestrian traffic at all times due to the limited nature of the work. One of the two paths across the Gallup Park Vehicle Structure shall remain open at all times.

This work shall be performed in accordance with the City of Ann Arbor Public Services Area Standard Specifications and as specified in Section 812 of the 2012 Michigan Department of Transportation (MDOT) Standard Specifications for Construction including any Supplemental Specifications and Special Provisions, the 2011 Michigan Manual of Uniform Traffic Control Devices (MMUTCD), and as specified in the proposal.

The Contractor shall furnish, erect, maintain and, upon completion of the work, remove all pedestrian and vehicle traffic control devices, fencing and barricades within the project and around the perimeter of the project for the safety and protection of local traffic.

The length of time that each structure is closed to traffic shall be kept to the shortest duration possible so that disruptions to trail and park users are kept to a minimum. The Contractor shall not close a structure until all materials, equipment and labor is sufficient and available, in a continuous timeframe, to make constant progress and complete the work and reopen the structure as quickly as possible.

General.

Refer to the Detailed Specification entitled "Hours of Work" for allowed hours of work.

An area for safe river-user passage below all structures shall be maintained at all time. The width of the area perpendicular to the stream shall be at least 20 feet.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
**MAINTENANCE OF TRAFFIC
AND CONSTRUCTION SEQUENCING**

DLZ: MTL

2 of 6

10/01/19

Materials.

The materials and equipment shall meet the requirements specified in the corresponding sections of the MDOT 2012 Standard Specifications for Construction, and the 2011 MMUTCD.

Separate pay items are provided in the contract to compensate the Contractor for the traffic maintenance outlined in this detailed specification. All other costs associated with traffic maintenance are the responsibility of the Contractor and will not be paid for separately.

Barricades, signs, and temporary fencing necessary for vehicle and pedestrian traffic control and public safety shall be furnished and erected by the Contractor as shown on the drawings. The barricades shall be lighted as shown in the 2012 MDOT Standard Specifications for Construction and the 2011 MMUTCD and per the MDOT Traffic and Safety Standards Plan WZD-125-E. Type III Barricades shall be supplemented with three (3) Type C warning lights. The warning signs required at Type III Barricade locations shall be mounted above the barricade on separate sign supports.

The Contractor shall furnish and install all signing necessary for the maintenance and control of vehicle and pedestrian traffic. All signs shall conform to the 2011 MMUTCD. Temporary sign supports sand bags shall be used to support all signs (refer to MDOT Maintaining Traffic Typical WZD-125-E).

Details for the Special Fabrication signs (SF-1 and SF-3) to be placed at Gallup Park (related to the trail closure for work at Mitchell Field and Gallup Park) is located at the end of this section. See the Gallup Park General Plan sheet for additional information. SF-1 shall be erected on separate supports at the location noted on the drawings. SF-3 shall be placed with the "Bridge Closed" signs at Gallup Park. Details for the Special Fabrication (SF-2) sign to be placed at Bandemer Park, as directed by the Engineer, (related to the trail closure for work at Bandemer Park) is located at the end of this section. See the Bandemer Park General Plan sheet for additional information. SF-2 shall be erected on separate supports at the location noted on the drawings.

Fence fabric for protective fence shall be new or used chain link fence or heavy-duty construction fence (high-vis orange plastic), at least 4 feet in height. Fence posts shall be supported by driving into the ground in soil areas or sandbags on paved or concrete surfaces, or other means acceptable to the Engineer. Areas of open decks, excavations, stored materials, etc., must be sufficiently protected to prevent access to areas they are meant to protect. The Contractor shall prepare and submit a detailed, written plan to the City prior to starting work indicating the locations of fencing, barricades and signs. The Contractor will alter placement of traffic control devices as directed by the City and as required during construction. Upon completion of work when traffic control devices are no longer needed, all such devices and materials shall be removed from the project site, and all disturbed areas shall be restored with like materials to the satisfaction of the City.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
**MAINTENANCE OF TRAFFIC
AND CONSTRUCTION SEQUENCING**

DLZ: MTL

3 of 6

10/01/19

Traffic Restrictions.

Work hours and restrictions shall conform with the Detailed Specification entitled "Hours of Work". There are no holiday restrictions on this project.

Measurement and Payment.

Temporary traffic control items have been set up for maintenance of traffic during construction zone operations and shall be measured and paid for in accordance with Section 812 of the 2012 MDOT Standard Specifications for Construction including any Supplemental Specifications and Special Provisions. Payment for quantities used to maintain traffic are based on the Contractor closing a maximum of three (3) bridges at one time, and will be based on the maximum number of any specific units required by the Engineer or Contractor for any three (3) structures closed at any one time for the entire time work is performed on the same three (3) bridges.

<u>Pay Item</u>	<u>Pay Unit</u>
Barricade, Type III, High Intensity, Lighted, Furn	Each
Barricade, Type III, High Intensity, Lighted, Oper	Each
Sign, Type B, Temp, Prismatic, Furn	Sft
Sign, Type B, Temp, Prismatic, Oper	Sft
Sign, Type B, Temp, Prismatic, Special, Furn	Sft
Sign, Type B, Temp, Prismatic, Special, Oper	Sft
Fencing, Protective	Ft

This work includes all labor, equipment, and materials necessary to furnish and operate traffic control devices for the duration of the project.

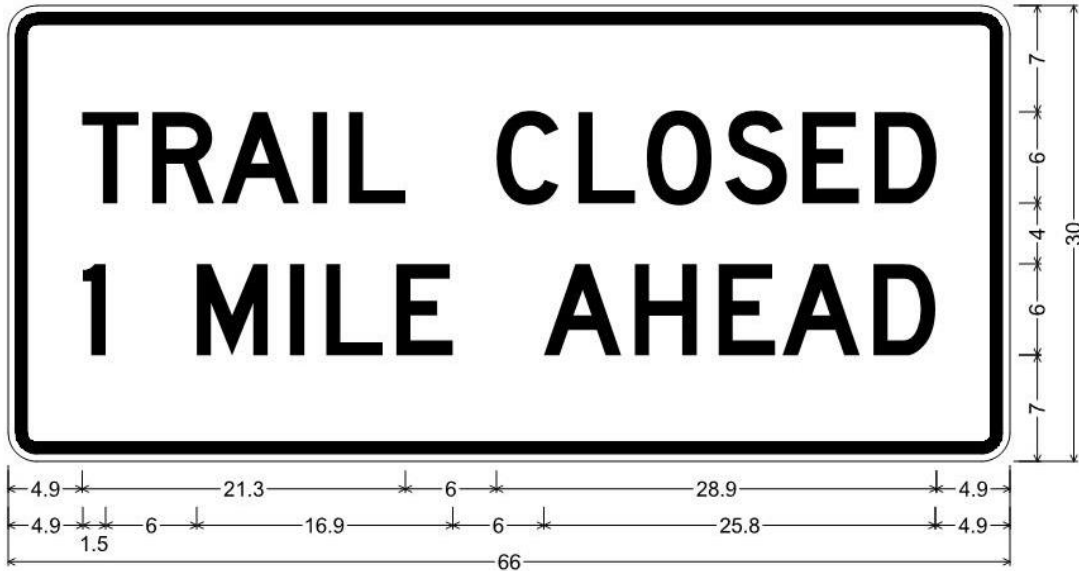
CITY OF ANN ARBOR
 DETAILED SPECIFICATION
 FOR
**MAINTENANCE OF TRAFFIC
 AND CONSTRUCTION SEQUENCING**

DLZ: MTL

4 of 6

10/01/19

SF-1:



SPECIAL DETAIL A;

1.9" Radius, 0.8" Border, 0.5" Indent, Black on, White;

"TRAIL CLOSED" D 2K; "1 MILE AHEAD" D 2K;

Table of letter and object lefts

T	R	A	I	L	C	L	O	S	E	D
4.9	9.5	14.0	20.0	22.4	32.2	37.6	42.1	47.2	52.3	57.1
I	M	I	L	E	A	H	E	A	D	
4.9	12.4	18.5	20.9	25.6	35.3	41.3	46.8	51.0	57.0	

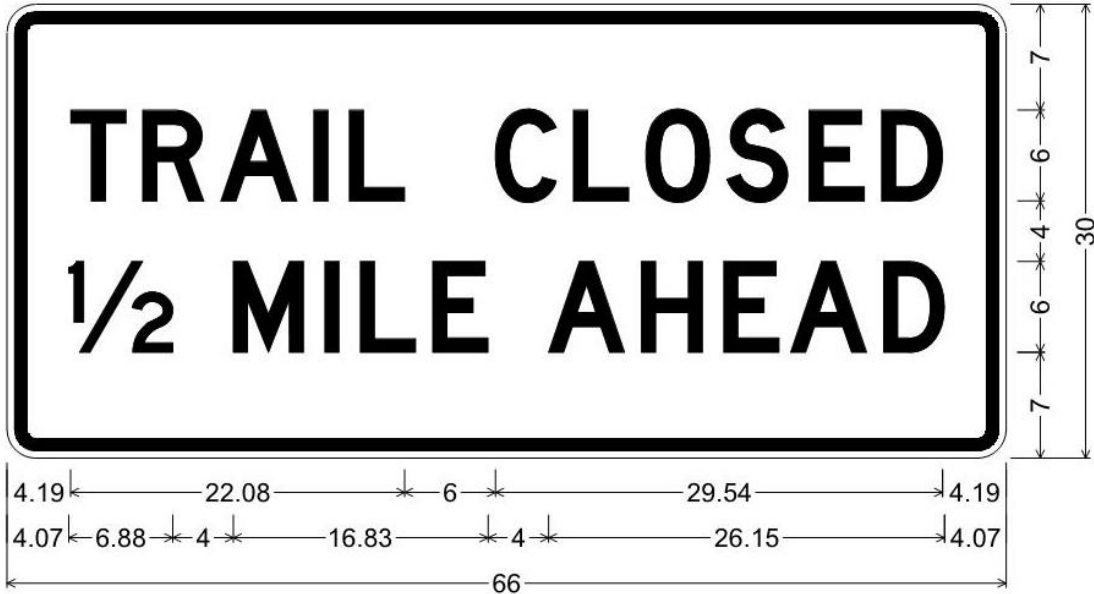
CITY OF ANN ARBOR
 DETAILED SPECIFICATION
 FOR
**MAINTENANCE OF TRAFFIC
 AND CONSTRUCTION SEQUENCING**

DLZ: MTL

5 of 6

10/01/19

SF-2:



SPECIAL DETAIL B;

1.90" Radius, 0.80" Border, 0.50" Indent, Black on, White;

"TRAIL CLOSED" D; "1/2" D; "MILE" D; "AHEAD" D;

Table of letter and object lefts

T	R	A	I	L	C	L	O	S	E	D
4.19	8.98	14.13	20.27	22.62	32.27	37.43	42.21	47.55	52.99	57.77
1/2	M	I	L	E	A	H	E	A	D	
4.07	14.95	20.99	23.34	28.12	35.78	41.92	47.35	51.76	57.90	

CITY OF ANN ARBOR
 DETAILED SPECIFICATION
 FOR
**MAINTENANCE OF TRAFFIC
 AND CONSTRUCTION SEQUENCING**

DLZ: MTL

6 of 6

10/01/19

SF-3:



SPECIAL DETAIL C;
 1.90" Radius, 0.80" Border, 0.50" Indent, Black on, White;
 "TRAIL" D; "OPEN" D;
 Table of letter and object lefts

T	R	A	I	L
6.28	12.66	19.53	27.72	30.84
O	P	E	N	
7.75	15.25	22.50	28.88	

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
STRUCTURES, REM PORTIONS, SPECIAL

DLZ: MTL

Page 1 of 1

10/01/19

Description.

This work consists of removing and properly disposing offsite all concrete, timber decking, guardrails and structural steel members, and any other miscellaneous or incidental items, as noted on the drawings at each structure, and as described in Section 204 of the 2012 Michigan Department of Transportation (MDOT) Specifications for Construction and as modified herein.

Materials.

None.

Construction.

Contractor shall remove and dispose of all materials in accordance with Section 204 of the 2012 MDOT Standard Specifications for Construction.

Measurement and Payment.

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

<u>Pay Item</u>	<u>Pay Unit</u>
Structures, Rem Portions, Special (Structure Name).....	Lump Sum

Structures, Rem Portions, Special (Structure Name) includes all labor, equipment, and materials necessary to remove and dispose of portions of structures in this contract.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
TIMBER DECKING, SALVAGE AND REINSTALL

DLZ: MTL

Page 1 of 1

10/01/19

Description.

This work consists of providing all labor, materials, and equipment necessary to remove, salvage, store and reinstall the existing timber decking at the Argo Pedestrian Structure, as indicated on the plans and in accordance with this detailed specification. Ensure all work is done in accordance with this detailed specification and accompanying drawings, Local and State Codes, the Americans with Disabilities Act, and the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction.

Materials.

Provide new connection materials (bolts) in accordance with the drawings, other project detailed specifications, and the 2012 MDOT Standard Specifications.

Construction.

Carefully remove, salvage and store the exiting timber decking, prior to cleaning and coating the existing steel truss members, without damaging the timber decking or the existing structure. The Contractor shall mark each timber as to location and orientation so that each plank can be reinstalled in the exact location from which it was removed. New bolts shall utilize the existing holes in the decking and supporting steel members. Only drill new holes if existing holes in either member are not capable of supporting the timber decking in a tight condition. The Contractor shall carefully store the existing timber decking similar to storage of new timber decking and shall be responsible for any damage or vandalism. Timber decking and/or structural members damaged due to the Contractor's work shall be replaced by the Contractor at no cost to the project.

Furnish and install all new connection materials in accordance with the plans, this detailed specification and the Standard Specifications for Construction.

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

<u>Pay Item</u>	<u>Pay Unit</u>
Timber Decking, Salv and Reinstall, 3 inch by 12 inch	Square Foot

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
STEEL STRUCTURE, CLEANING, PARTIAL, SPECIAL
STEEL STRUCTURE, COATING, PARTIAL, SPECIAL

DLZ: MTL

Page 1 of 2

10/01/19

Description.

This work consists of cleaning and coating all structural steel floor beams (Wide Flange and HSS members) at the Bandemer Park Vehicle and Pedestrian Truss Superstructures; all structural steel floor beams and fascia stringers (HSS members) at the Mitchell Field Pedestrian Truss Superstructure; and, all HSS floor beams, stringers and bracing diagonals at the Argo Park Pedestrian Structure. The entire length and all exposed surfaces of existing floor beams shall be cleaned and coated from face-to-face of the existing trusses. All other members indicated shall be cleaned and coated on all exposed surfaces, from end-to-end of all members. The work shall be completed as described in Section 715 of the 2012 Michigan Department of Transportation (MDOT) Specifications for Construction and modified herein.

Materials.

Coating materials shall be as follows, and all work of this section shall be completed in accordance with Section 715 and the Manufacturers recommendations and specifications for cleaning, coating and curing, and as modified herein:

- 1st Coat: Carbomastic® 615AL (or equal) – 8 mils minimum dry film thickness
- 2nd and 3rd (top) Coats: Carbothane® 134HG (or equal) – 2 mils minimum dry film thickness (each coat)

The color of the top coat shall be dark brown to match the existing trusses. The top coat shall be high-gloss. The AMS-STD-595 color shall be submitted for review by the Engineer prior to coating. The Engineer reserves the right to request revisions to the coating color to ensure compatibility with the surrounding environment.

Coating materials shall be altered, as required by the Manufacturer, to meet cold-weather application and curing conditions present at the structures during this item of work.

Construction.

Conduct all work in accordance with Section 715 of the 2012 MDOT Standard Specifications for Construction except as modified on the drawings and herein. The members to be cleaned and coated are uncoated A588 structural steel. The additional effort to clean the structural steel and the additional coating material required due to excessive surface profile will not be paid for separately but will be considered included in the bid items.

Removal of existing decking and stringers, as noted on the drawings, shall be completed prior to cleaning and coating operations, to allow maximum access, inspection and completeness of this work. Work associated with coating existing members shall be completed and the coating cured prior to placing new stringers. Holes to be drilled in existing members shall be completed, cleaned and coated prior to placing connections and new members.

Surfaces to be coated shall be cleaned to meet Surface Preparation Standard SSPC-SP3 (Power Tool Cleaning). Blast Cleaning will not be allowed. All debris removed during these operations shall be collected and removed off-site in accordance with applicable laws and regulations. All measures utilized by the Contractor to contain debris shall be entirely effective to the satisfaction of the Engineer.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
STEEL STRUCTURE, CLEANING, PARTIAL, SPECIAL
STEEL STRUCTURE, COATING, PARTIAL, SPECIAL

DLZ: MTL

Page 2 of 2

10/01/19

Section loss of any cleaned member greater than 25% shall be immediately reported to the Engineer in writing. The Engineer shall inspect the area(s) of deterioration and direct the Contractor to make steel repairs, if necessary, prior to coating the area(s).

Coating shall be performed in accordance with Section 715 of the 2012 MDOT Standard Specifications for Construction and as modified on the drawings and herein.

Measurement and Payment.

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

<u>Pay Item</u>	<u>Pay Unit</u>
Steel Structure, Cleaning, Partial, Special (Structure Name).....	Lump Sum
Steel Structure, Coating, Partial, Special (Structure Name).....	Lump Sum

Steel Structure, Cleaning, Partial, Special (Structure Name) and **Steel Structure, Coating, Partial, Special (Structure Name)** includes all labor, equipment, and materials necessary to clean and coat the existing structural steel, as indicated on the plans and detailed herein.

The Contractor shall provide for access to cleaning and coating areas for construction inspection and material testing services.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
TIMBER DECKING AND COMPOSITE HANDRAIL

DLZ: MTL

Page 1 of 3

10/01/19

Description.

This work consists of providing all labor, materials, and equipment necessary to construct the timber decking and railings as shown on the drawings; including all timber, composite handrails, hardware, fasteners, and related construction materials as called for on the drawings. Ensure all work is performed in accordance with this Detailed Specification, Section 709 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, Local and State Building Codes the project plans, and the Americans with Disabilities Act.

Materials.

Provide materials in accordance with the following sections in the 2012 MDOT Standard Specifications for Construction:

Miscellaneous Metals.....	908
Hardware.....	908
Structural Timber and Lumber	912

1. Timber Decking and Composite Lumber. All lumber must be dressed S4S (surfaced four sides) in accordance with *ASTM D245*. All lumber sizes are nominal. All exposed edges must be free from splinters and have sharp edges sanded smooth.

A. Timber Decking:

Mitchell Field Pedestrian Truss Superstructure: 2-inch by 10-inch, Southern Pine No. 1, treated.

Bandemer Park Pedestrian Truss Superstructure: 3-inch by 12-inch, Southern Pine No. 1 Dense, treated.

Bandemer Park Vehicle Truss Superstructure: 4-inch by 12-inch, Southern Pine No. 1 Dense, treated.

B. Composite Handrail: 2-inch by 8-inch and 2-inch by 4-inch, recycled composite lumber.

C. Wood Preservative. Refer to the Special Provision for Micronized Copper Water-Based Wood Preservative Systems. After treatment, re-dry to 19 percent maximum moisture content prior to shipping.

2. Hardware. Provide all hardware and accessories required to properly and completely execute the carpentry for this project, including, but not limited to: screws, bolts, nuts, washers, hangers, straps, and similar items, whether specifically mentioned herein or not. Nails must not protrude through the backside of any member unless specifically noted in the contract. Bolt heads in and rails and other rails shall be counterbored so as to not protrude above the adjacent surface of the timber rail.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
TIMBER DECKING AND COMPOSITE HANDRAIL

DLZ: MTL

Page 2 of 3

10/01/19

- A. Fasteners. Regular hexagon-head or carriage-head hot dipped galvanized ASTM A307 steel bolts, nuts and washers; ASTM A123 for bolts, and ASTM A153 for washers.
- B. Screws. Hot dipped galvanized, ASTM A653, batch or post-dipped process, with a minimum coating thickness of 1.85 ounces of Zinc per square foot of surface area (G185), of type and size indicated on the contract plans.
- C. Submittals. Product data conforming to the materials listed above.

Construction.

Furnish and install all materials in accordance with the plans, this Detailed Specification and Sections 709 and 912 of the Standard Specifications for Construction. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry to other construction; scribe and cope as needed for accurate fit.

Framing Standard: Comply with American Wood Council/American Forest & Paper Association (AF&PA's) "Details for Conventional Wood Frame Construction".

Sort and select lumber so that natural characteristics will not interfere with installation or with fastening other materials to lumber. Do not use materials with defects. Lumber with wane will not be allowed to be used for exposed edges of railing or deck materials. Comply with AWPA M4 for applying a field treatment of copper naphthenate to cut surfaces of preservative-treated lumber. Install decking with annular rings downward. Do not install boards with knot holes or defects that will affect the walking surface.

Submit to the Engineer for approval at least 14 calendar days prior to the start of construction the detailed description of the construction procedures proposed for review, including a list of major equipment to be used. Work shall not begin until submittal has been received and approved by the Engineer.

Field Storage and Handling. If products are stored temporarily at the job site after arrival, wood members must be placed on blocking, well off the ground and be separated by wood blocking so air can circulate around each member. Cover wood as directed in Section 709.03.A.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
TIMBER DECKING AND COMPOSITE HANDRAIL

DLZ: MTL

Page 3 of 3

10/01/19

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

<u>Pay Item</u>	<u>Pay Unit</u>
Timber Decking, __ inch by __ inch	Square Foot
Composite Railing, __ inch by __ inch.....	Foot

Timber Decking, __ inch by __ inch and Composite Railing, __ inch by __ inch includes all miscellaneous metals and hardware to complete the work described herein. Payment for **Timber Decking, __ inch by __ inch**, shall be measured in-place, after installation, and includes all miscellaneous metals and hardware to complete the work described herein. Payment for **Composite Railing, 2 inch by 8 inch**, shall be measured along the horizontal length of railing, after installation. Payment for **Composite Railing, 2 inch by 4 inch**, shall be the total length of all 2 inch by 4 inch composite members installed, measured along their long axis.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
STRUCTURE, TIMBER, BOARDWALK

DLZ: MTL

Page 1 of 2

10/01/19

a. Description. This work consists of providing all labor, materials and equipment necessary to construct the boardwalk renovations at South Barton Pedestrian Structure and Mitchell Field Boardwalk Structure as shown on the plans; including all wood, hardware, fasteners and related construction materials as called for on the plans. Ensure all work is performed in accordance with this Detailed Specification, Section 709 of the 2012 MDOT Standard Specifications for Construction, the project plans, Local and State Building Codes, and the Americans with Disabilities Act.

b. Materials. Provide materials in accordance with the following sections of the 2012 MDOT Standard Specifications for Construction:

Miscellaneous Metals.....	908
Hardware.....	908
Structural Timber and Lumber	912

1. Lumber. All lumber must be dressed S4S (surfaced four sides) in accordance with *ASTM D 245*. All lumber sizes are nominal.

A. South Barton Pedestrian Structure:

- a. Wood Decking: 3 inch by 12 inch, Southern Pine No. 1 Dense, treated
- b. Wood Stringers and Columns: 4 inch by 4 inch, Southern Pine No. 2, treated

B. Mitchell Field Boardwalk Structure:

- a. Wood Decking: 2 inch by 10 inch, Southern Pine No. 1, treated
- b. Wood Stringers: 2 inch by 12 inch, Southern Pine No. 1, treated
- c. Wood Floor Beams: 2 inch by 12 inch, Southern Pine No. 1, treated
- d. Wood Posts: 4 inch by 4 inch, Southern Pine No. 2, treated
- e. Wood Blocking: 2 inch by 12 inch, Southern Pine No. 2, treated

C. Wood Preservative. Refer to the Detailed Specification for Micronized Copper Water-Based Wood Preservative Systems. After treatment, re-dry to 19 percent maximum moisture content prior to shipping.

All exposed edges must be free from splinters and have sharp edges sanded smooth.

2. Hardware. Provide all hardware and accessories required to properly and completely execute the carpentry for this project, including, but not limited to: screws, bolts, nuts, hangers, washers, straps, and similar items, whether specifically mentioned herein or not.

A. Fasteners. Regular hexagon-head hot dipped galvanized *ASTM A307* steel bolts, nuts and washers; *ASTM A 123* for bolts and *ASTM A 153* for washers.

B. Screws. Hot dipped galvanized, *ASTM A 653*, batch or post-dipped process, with a minimum coating thickness of 1.85 ounces of Zinc per square foot of surface area (G185), of type and size indicated on the contract plans.

C. Column base plates and caps. Hot dipped galvanized, *ASTM A123*.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
STRUCTURE, TIMBER, BOARDWALK

DLZ: MTL

Page 2 of 2

10/01/19

D. Submittals. Product data conforming to the materials listed above.

c. Construction. Furnish and install all materials in accordance with the plans, this detailed specification and sections 709 and 912 of the Standard Specifications for Construction. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry to other construction; scribe and cope as needed for accurate fit.

Framing Standard: Comply with *American Wood Council/American Forest & Paper Association (AF&PA's) "Details for Conventional Wood Frame Construction"*.

Provide blocking as indicated. Sort and select lumber so that natural characteristics will not interfere with installation or with fastening other materials to lumber. Do not use materials with defects. Lumber with wane will not be allowed to be used for exposed edges of railing or deck materials. Comply with AWPA M4 for applying a field treatment of copper naphthenate to cut surfaces of preservative-treated lumber. Attach stringers and floor beams as indicated on the plans. Install deck boards with annular rings downward. Do not install boards with knot holes or defects that will affect the walking surface.

Install the boardwalk within the construction area with the least amount of disturbance to the adjacent trail and truss structures as possible.

Submit to the Engineer for approval at least 14 calendar days prior to the start of construction a detailed description of the proposed construction procedures, including a list of major equipment to be used. Work must not begin until submittal has been received and approved by the Engineer.

Field Storage and Handling. If products are stored temporarily at the job site after arrival, wood members must be placed on blocking, well off the ground and be separated by wood blocking so air can circulate around each member. Cover wood as described in Section 709.03.A.

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

<u>Pay Item</u>	<u>Pay Unit</u>
Structure, Timber, Boardwalk (Structure Name)	Lump Sum

Structure, Timber, Boardwalk (Structure Name) includes all miscellaneous metals and hardware to complete the work described herein. All excavation noted on the plans shall be paid for as "Excavation, Fdn", and concrete for foundations shall be paid for as "Concrete, Grade S2".

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
HSS CONNECTORS

DLZ: MTL

Page 1 of 2

10/01/19

Description.

This work consists of providing all labor, materials, and equipment necessary to furnish and install clamping-type connectors (hallo-bolts) between hollow structural steel (HSS) members and other steel members, at locations indicated on the plans. Ensure all work is performed in accordance with this Detailed Specification, the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, the project plans, Local and State Building Codes, the Americans with Disabilities Act, and the Manufacturer/Supplier's specifications, guidelines and recommendations for installation.

Materials.

Provide materials in accordance with the following sections in the 2012 MDOT Standard Specifications for Construction and ASTM Specifications:

Miscellaneous Metals.....	908
Hardware.....	908

1. Bolt:
 - a. Hexagonal Hollo-Bolt by Lindapter®, or equal
 - b. 5/16-inch diameter (LHBM08#_) by the length required to join the members
 - c. Grade 8.8 bolt (Grd.5/A325 equivalent)
2. Finish:
 - a. Hot-dip galvanized

Provide all hardware, torque wrenches and accessories required to properly and completely execute the installation of the connectors for this project. The required torque shall be applied to each bolt as recommended by the Manufacturer, using a torque wrench with verifiable readings.

Shop-drill holes wherever practicable (preferred), prior to galvanizing any members, as applicable. Field-drill holes when necessary, repairing any impacted or removed galvanized surfaces with cold-applied galvanized paint or primer, prior to installing bolt. Prior to starting work, provide the Engineer with product data conforming to the materials listed above.

Construction.

Furnish and install all materials in accordance with the plans, this Detailed Specification and the MDOT Standard Specifications for Construction.

Submit to the Engineer for approval at least 14 calendar days prior to the start of construction, a detailed description of the construction procedures proposed, including a list of major equipment to be used. Work shall not begin until submittal has been received and approved by the Engineer.

Field Storage and Handling. If products are stored temporarily at the job site after arrival, store products in manufacturer's or distributor's packaging undamaged, complete with installation instructions.

Protect and handle materials in accordance with manufacturer's recommendations to prevent damage or deterioration.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
HSS CONNECTORS

DLZ: MTL

Page 2 of 2

10/01/19

Measurement and Payment. The completed work, including all labor, materials and equipment, as described, will not be measured and paid for separately, but will be included in other items of work.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
WOOD CONNECTORS FOR S. BARTON PEDESTRIAN STRUCTURE

DLZ: MTL

Page 1 of 2

10/01/19

Description.

This work consists of providing all labor, materials, and equipment necessary to furnish and install the wood connectors, including all fasteners and hangers, as indicated on the drawings for the S. Barton Pedestrian Structure. Ensure all work is performed in accordance with this Detailed Specification, the Section 709 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, the project plans, Local and State Building Codes, and the Americans with Disabilities Act.

Materials.

Provide materials in accordance with the following Sections of the 2012 MDOT Standard Specifications for Construction and ASTM Specifications:

Miscellaneous Metals.....	908
Hardware.....	908

1. Steel:
 - a. Sheet: ASTM A36, ASTM A653, ASTM A1011
 - b. Fasteners: ASTM A307, ASTM F1554, ASTM F1667, SAE C1022 (SDS Screws)
2. Stainless Steel:
 - a. Sheet: ASTM A240, ATTM A480
 - b. Fasteners: ASTM A593
3. Finishes:
 - a. Gray paint
 - b. Hot-dipped galvanized or electro-plated galvanized: G90, G185 (ZMAX or HDG)
 - c. Powder-coated paint
 - d. Electro-galvanized, Zinc dichromate and Double Barrier for SD and SDS screws
4. Connectors.

The Column Base Connections (CB) shown on the drawings shall be a CB66HDG, manufactured by Simpson Strong-Tie®, or equal.

The Post Caps (PC) shown on the drawings shall be a PC6Z (hot-dip galvanized), manufactured by Simpson Strong-Tie®, or equal.

Provide all hardware and accessories required to properly and completely execute the carpentry for this project, including, but not limited to: screws, bolts, nuts, washers, hangers, straps, and similar items, whether specifically mentioned herein or not. Nails must not protrude through the backside of any member unless specifically noted in the contract. Bolt heads in handrails and other rails shall be counterbored so as to not protrude above the adjacent surface of the timber rail.

- A. Fasteners. Provide fasteners in accordance with, and meeting the requirements of, the specific connector manufacturer. Regular hexagon-head or carriage-head bolt, hot-dip galvanized, ASTM A307 steel bolts, nuts and washers; ASTM A123 for bolts, and ASTM A153 for washers.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
WOOD CONNECTORS FOR S. BARTON PEDESTRIAN STRUCTURE

DLZ: MTL

Page 2 of 2

10/01/19

B. Screws. Provide fasteners in accordance with, and meeting the requirements of, the specific connector manufacturer. Hot-dip galvanized, ASTM A653, batch or post-dipped process, with a minimum coating thickness of 1.85 ounces of Zinc per square foot of surface area (G185), of type and size indicated on the contract plans.

C. Submittals. Product data conforming to the materials listed above for the Engineer's review and approval prior to commencement of construction.

Construction.

Furnish and install all materials in accordance with the plans, this Detailed Specification and Section 709 of the 2012 MDOT Standard Specifications for Construction. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry to other construction; scribe and cope as needed for accurate fit. Follow all Manufacturer's specifications and literature for installing connectors, including fasteners required, holes, etc.

Submit to the Engineer for approval at least 14 calendar days prior to the start of construction, a detailed description of the construction procedures proposed, including a list of major equipment to be used. Work shall not begin until submittal has been received and approved by the Engineer.

Field Storage and Handling. If products are stored temporarily at the job site after arrival, wood members must be placed on blocking, well off the ground and be separated by wood blocking so air can circulate around each member. Cover wood as described in Section 709.03.A.

Deliver products to job site in manufacturer's or distributor's packaging undamaged, complete with installation instructions.

Protect and handle materials in accordance with manufacturer's recommendations to prevent damage or deterioration.

Measurement and Payment. The completed work, including all labor, materials and equipment, as described, will not be measured and paid for separately, but will be included in other items of work.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
MICRONIZED COPPER WATER-BASED WOOD PRESERVATIVE SYSTEMS

DLZ: MTL

Page 1 of 1

10/01/19

a. Description. Micronized copper water-based wood preservative systems are an alternate to the preservative systems identified in Section 912 of the 2012 MDOT Standard Specifications for Construction, except on wood posts used for signing. Micronized copper water-based wood preservative systems are proprietary systems used to treat timber and lumber for resistance to insect attack, decay, and rot. Proprietary micronized copper-based wood preservative systems are evaluated by the International Code Council Evaluation Service, Inc (ICC-ES). This Detailed Specification covers the requirements for micronized copper azole (MCA) and micronized copper quaternary (MCQ).

b. Materials. ICC-ES requirements and specified commercial standards are incorporated herein by reference. Treated wood product reports issued by the ICC-ES as Evaluation Service Reports (ESRs) must be current as posted on the ICC-ES website www.icc-es.org and in compliance with AC326. The preservative(s) must not contain arsenic. The treated wood product's report must allow for the wood species and end use that is required by the project specifications. The Contractor must provide test data certification for each lot, that the treated timber and lumber meet the retention requirements of the current ESR for the appropriate AWPA Use Category.

Condition and treat timber and lumber for above ground use to the minimum preservative retention in the ICC-ES evaluation report corresponding to AWPA Use Category 4A (UC4A). Condition and treat timber and lumber for ground contact to the minimum preservative retention in the ICC-ES evaluation report corresponding to AWPA Use Category 4B (UC4B).

Incorporation of timber and lumber treated to the preservative retention in AWPA Use Category 3B (UC3B) or less is not permitted. Timber and lumber placed in violation of this detailed specification is cause for removal and replacement at the contractor's expense. No pay adjustments will be allowed for incorporation of timber and lumber treated to UC3B preservative retention. Removal is required.

c. Construction. Use stainless steel fasteners or hot dipped galvanized fasteners in accordance with ASTM A 653, batch or post-dipped process, with a minimum coating thickness of 1.85 oz of Zinc per square foot of surface area (G185). Do not mix fastener types. Do not use aluminum fasteners. Aluminum must not be in direct contact with treated wood. Non-metallic spacers are to be used where contact with aluminum could occur.

d. Measurement and Payment. Payment is included in other items of work.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
GUARDRAIL, TYPE B, MODIFIED

DLZ: MTL

Page 1 of 1

10/01/19

Description.

This work consists of providing all labor, materials, and equipment necessary to furnish and install the Type B Guardrail at the Bandemer Park Vehicle Structure and approaches, as indicated on the drawings and this Detailed Specification. Ensure all work is performed in accordance with this Detailed Specification, Section 807 of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction, Local and State Building Codes, and the Americans with Disabilities Act.

Materials.

Provide all materials in accordance with Section 807 of the 2012 MDOT Standard Specifications for Construction. The guardrail sections (B rail) and all hardware shall be hot-dip galvanized. The backup rails (HSS members) shall be weathering steel (ASTM A588). The guardrail backup HSS members shall be fabricated from high strength, low alloy, enhanced atmospheric corrosion resistant ASTM A847 cold-formed welded square or rectangular shape.

Construction.

Furnish and install all materials in accordance with the plans, this Detailed Specification and the MDOT Standard Specifications for Construction.

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

<u>Pay Item</u>	<u>Pay Unit</u>
Guardrail, Type B, Modified.....	Foot

Payment shall include fabrication, installation, all required hardware, and welding of B rail guardrail sections together. Payment for the HSS guardrail backup members shall be measured and paid for at the contract unit price for **“Structural Steel, Mixed, Erect”** and **“Structural Steel, Mixed, Furn and Fab”**.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
MIGRATORY BIRD PROTECTION

DLZ: MTL

1 of 3

10/01/19

Description.

Contractors are advised that bridges and large culverts similar to those in this project are often attractive places for nesting birds such as swallows and phoebes. Burrow nesting species (swallows and the Belted Kingfisher) may also take advantage of banks created during earth-moving or soil storage, making it necessary to prevent excavation of new nesting burrows. Taking of migratory birds or nests with eggs and chicks without a federal permit is prohibited by the Migratory Bird Treaty Act (16 U.S.C. 703-712). This federal law protects migratory birds, their nests and young, and provides enforcement authority to the U.S. Fish and Wildlife Service and contains severe penalties for violations. Adherence to these provisions by the FHWA is required under Federal law. This detailed specification addresses the actions required of the Contractor to protect the above mentioned bird species as required by the Migratory Bird Treaty Act.

Construction. Adhere to the following requirements:

1. Bridge Work - April 15 to September 1.

A. Bridge work done entirely on the deck: No special action is necessary by the Contractor provided that the work is done entirely on the deck. It is presumed that the Contractor will not require access to areas where birds are nesting and contract work will not result in the disturbance of nesting adults, or to their eggs or young due to vibrations from equipment or other construction activity.

B. Work done entirely on the deck that would result in perforation of the deck or create strong vibrations. Activities that would potentially dislodge nests beneath the deck will require that the Contractor use exclusionary devices to deter birds from nesting beneath the bridge deck prior to start of work. If birds are present, the Contractor must determine the status of the migratory birds, their nests, and young and must take any and all special actions to meet the requirements of the Migratory Bird Treaty Act.

C. Bridge work requiring activity above and below the deck: This is the anticipated active nesting period of most migratory birds; though later dates may apply in the Upper Peninsula. Prior to commencing work within this time frame, or continuing work which will carry over into this time frame the following year, the Contractor must determine the status of the migratory birds, their nests, and young and must take any and all special actions to meet the requirements of the Migratory Bird Treaty Act.

2. Bridge Work - September 2 to April 14. During this time, birds are normally not nesting; therefore, no special actions by the Contractor are necessary after an inspection is conducted to determine if birds are present.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
MIGRATORY BIRD PROTECTION

DLZ: MTL

2 of 3

10/01/19

THE FOLLOWING DISCUSSION PRESENTS MINIMUM REQUIREMENTS AND IS NOT TO BE CONSTRUED AS A COMPLETE LIST OF POSSIBLE ACTIONS REQUIRED TO COMPLY WITH THE ACT.

Status of Birds and Nests - Bridges.

1. If existing nests are not occupied or no new nests have been built: Barriers (deterrents) must be installed before the nesting season to prevent nest establishment or reuse. Netting, canvas, plastic sheeting, or burlap must be used. Different techniques may be employed, depending on the design of the bridge, providing that reasonable access is maintained for traffic under the bridge, if needed. Netting can be “diapered” around all ledges and overhangs to insure access to any potential nesting site is obstructed. Other bridge designs may lend themselves to hanging netting, canvas, or burlap over the side of a bridge. Some device, such as a wooden beam can be employed to secure the bottom edge of the netting, canvas, plastic sheeting, or burlap close to the water or ground surface. All gaps must be sealed against entry by birds. Any protective devices that become displaced must be repositioned within 8 hours.
2. If birds penetrate the barrier and/or nest building has commenced: If birds slip past the installed deterrents, the Contractor must determine how birds are entering the underside of the bridge and adjust or repair the barrier to prevent further access. If nest building or repair of existing nests has begun, but no eggs or chicks are present in the nests based upon visual inspection of the nest cup, the Contractor must knock down or hose down nests with water or by other means.
3. If nests with eggs and chicks are accidentally knocked down: Every effort must be made by the Contractor not to cause a take of eggs or chicks. Taking of migratory birds or nests with eggs or chicks is prohibited by law without a federal permit. If exclusionary devices have not been erected or have not been maintained allowing for the completion and use of nest sites, no work can be conducted until cleared by the Engineer. If eggs or chicks are accidentally dislodged due to work being performed on the bridge deck (as per subsection c.1), the Contractor must deliver retrieved eggs and chicks to a licensed wildlife rehabilitation facility willing and able to accept them (contacts can be found on the MDNR website). If this occurs, the Contractor must immediately contact the Engineer.
4. Nests with eggs or young are present prior to the start of contract work: If active nests with eggs or young are found that would be affected by construction activities, work must be delayed until an evaluation of nesting status is made or the birds fledge from the nest and leave the immediate area.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
MIGRATORY BIRD PROTECTION

DLZ: MTL

3 of 3

10/01/19

Earthwork.

1. Earthwork - April 15 to September 1. If there are existing banks, conduct an inspection to determine if nest burrows or birds are present. If banks are created in sand or gravel or in soil storage piles during construction several species of birds may begin to excavate burrows to be used for nesting. Banks with a vertical face greater than 4 feet are attractive to these species. Inspect the banks and report possible nesting activity to the Engineer. If burrow excavation has just begun and observation shows that no eggs or young are present, the banks should be knocked down to a natural angle of repose. If the bank needs to be maintained in its existing condition, plastic sheeting or other materials should be draped over the area to prohibit entry by the birds. If burrows are too deep to determine if eggs or young are present by visual inspection, work that would affect the stability and/or destruction of the bank should be stopped and the Engineer should be contacted for further direction.
2. Earthwork - September 2 to April 14. During this time, birds are normally not nesting; therefore, no special actions by the Contractor are necessary after an inspection is conducted to determine if birds are present.

Measurement and Payment.

All costs for determining the need for, the placing of deterrents, and applying of all special actions including, but not limited to, removing nests, retrieving dislodged eggs and chicks and delivering them to a licensed wildlife rehabilitation center, including costs of rehabilitation, and any and all costs associated with conducting work in compliance with the Migratory Bird Treaty Act as stated herein will not be paid for separately but will be considered to have been included with other items of work.

In addition, the Contractor is liable to the City for any penalties imposed for violations to the Migratory Bird Treaty Act due to the Contractor's failure to comply with this specification. Penalties range from fines per each incident up to potential loss of Federal funding. According to the Act, a person, association, partnership or corporation which violates the Act or its regulations is guilty of a misdemeanor and subject to a fine of up to \$500, jail up to 6 months, or both. Anyone who knowingly takes a migratory bird and intends to, offers to, or actually sells or barbers the bird is guilty of a felony, with fines up to \$2000, jail up to 2 years, or both.

CITY OF ANN ARBOR
 DETAILED SPECIFICATION
 FOR
TURF ESTABLISHMENT

WT:VCM

1 of 3

02/28/18

a. Description.- This work shall consist of furnishing and placing 4” of Engineer-approved topsoil, hydroseeding lawn areas, and placing mulch blankets as indicated on the plans, as detailed in the specifications, or as directed by the Engineer.

The related work of preparing the earth bed, furnishing, and placing the topsoil, furnishing the seed mixtures, furnishing the fertilizer, sowing the seed, furnishing and installing the mulch blanket and watering shall conform to the requirements of this Special Provision and Section 816, Turf Establishment, of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction.

b. Materials.- The materials shall meet the requirements specified in Section 917 of the 2012 MDOT Standard Specifications for Construction except as specified herein:

- Seed shall be fresh, clean, dry, new-crop seed complying with the AOSA’s “Rules for Testing Seed”, tested for purity and germination tolerances.

Variety	Proportion By Weight	Purity	Germination
Baron Kentucky Bluegrass	25%	90	80
Kentucky Bluegrass 98/80	15%	98	80
Park Kentucky Bluegrass	15%	90	80
Omega III Perennial Ryegrass	20%	98	90
Creeping Red Fescue	25%	95	90

Maximum weed content shall be 0.30%.

- Fertilizers shall be a Class A. The percentages by weight shall be at a minimum 10N-10P-10K or as required and approved by the Engineer.
- The seed, fertilizer, and adhesive (mulch binder) shall be mixed together and applied at one time.
- Water used shall be obtained from fresh water sources and shall be free from injurious chemicals and other toxic substances.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
TURF ESTABLISHMENT

WT:VCM

2 of 3

02/28/18

Mulch Blankets shall meet the requirements of Section 917.15.B.2.b of the 2012 MDOT Standard Specifications for Construction.

Double Shredded Hardwood Bark Mulch shall be the bark of hardwood trees meeting the requirements of Section 917.14 of the 2012 MDOT Standard Specifications for Construction.

c. Maintenance and Acceptance.- It is the responsibility of the Contractor to establish a dense, vigorous, weed free 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 re-seeded. Such re-seeding shall be at the Contractor's expense and shall continue until a dense, vigorous and weed free lawn is established.

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 shall 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. The Contractor shall establish a uniform, dense, vigorous, and weed-free stand of the specified grasses. Maintenance includes, but is not limited to; deposition of additional topsoil; re-seeding; watering; fertilizing; mowing, and any other work as required to correct all settlement, erosion, germination, and establishment issues until the date of final acceptance by the Engineer.
- 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.

CITY OF ANN ARBOR
DETAILED SPECIFICATION
FOR
TURF ESTABLISHMENT

WT:VCM

3 of 3

02/28/18

d. Measurement and Payment.- The completed work shall be paid for at the contract unit price for the following contract items (pay items):

<u>Contract Item (Pay Item)</u>	<u>Pay Unit</u>
Topsoil Surface, 4 inch	Square Yard
Hydroseeding.....	Square Yard
Double Shredded Hardwood Bark Mulch.....	Square Yard

"Topsoil Surface, 4 inch" and "Hydroseeding" will be measured by area in square yards and will be paid for at the contract unit prices which shall be payment in full for all labor, materials, and equipment needed to accomplish this work.

Topsoil placement shall occur at the locations called for on the plans or, as directed by the Engineer. The unit price "Topsoil Surface, 4 inch" shall include the grading of the area to receive the topsoil, preparing the earth bed, spreading and raking the topsoil to provide a uniform surface free of large clods, lumps, rocks, brush, roots, or other deleterious materials, as determined by the Engineer.

The hydroseeding shall be placed on all lawn areas as called for on the plans, and shall include furnishing and installing seed, fertilizer, mulch blankets, and all required watering necessary for the establishment of the turf. Watering will not be paid for separately.

Any damage or soiling to signs, fences, trees, pavements, or structures shall be repaired and/or cleaned by the Contractor at the Contractor's sole expense.

After initial placement of the topsoil and hydroseed mixture(s), fifty (50) percent of the total quantity placed for each item will be certified for payment. The remaining fifty (50) percent of the total quantities will be held by the Engineer until such time as all lawn areas have been established and accepted by the Engineer.

Final acceptance shall occur no sooner than June 15th of the year after the year in which the lawn areas were initially planted during the previous spring planting season; or, final acceptance will occur no sooner than November 1st of the year after the year in which the lawn areas were initially planted during the previous summer planting season.

In no case shall lawn areas be accepted in the same year in which they were planted.

CITY OF ANN ARBOR
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 \$13.61/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 \$15.18/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

CITY OF ANN ARBOR LIVING WAGE ORDINANCE

RATE EFFECTIVE APRIL 30, 2019 - ENDING APRIL 29, 2020

\$13.61 per hour

If the employer provides health care benefits*

\$15.18 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**



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:		
Vendor Name	Vendor Phone Number	
Signature of Vendor Authorized Representative	Date	Printed Name of Vendor Authorized Representative

Questions about this form? Contact Procurement Office City of Ann Arbor Phone: 734/794-6500, procurement@a2gov.org

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.

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. Then submit it to the Human Rights Commission by e-mail (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.

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) EMPLOYEE INFORMATION	(b) WORK CLASSIFICATION	(c) Hour Type	(d) DAY AND DATE							(e) TOTAL HOURS ON PROJECT	(f) PROJECT RATE OF PAY	(g) PROJECT RATE OF FRINGE PAY	(h) GROSS PROJECT EARNED		(i) TOTAL WEEKLY HOURS WORKED ALL JOBS	(j) DEDUCTIONS						(k) TOTAL WEEKLY WAGES PAID FOR ALL JOBS		
														GROSS PROJECT EARNED		GROSS WEEKLY EARNED	FICA	FEDERAL	STATE		OTHER		TOTAL DEDUCT	
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.	