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FIGURES
These Supplemental Specifications amend the 2019 Statewide Urban Design and Standards (SUDAS).

DIVISION 1 – General Provisions and Covenants

Section 1010 – Definitions

1.03 Definitions and Terms

Add definition as follows:
“Substantial Completion. The complete furnishing of work (labor, materials, equipment, and other incidentals) necessary for construction of the improvement and obligations imposed by the Contract except for cleanup of the project site, minor work items or submittal of required paperwork.”

Section 1020 - Proposal Requirements and Conditions

1.03 Quantities and Unit Prices

Add item B.1. as follows:
“When a lump sum bid is requested in the proposal form, and discrepancy occurs between the figures and words in a bidder’s proposal, the words shall govern.

1.09 B. Unit Price Attachment

Delete items 1-5 and replace with the following:

1. Unit price attachments, if used, shall be on the form provided by the City of Cedar Rapids. No other forms will be accepted as unit price attachments.
2. If a unit price attachment is submitted, it shall be attached to the proposal.
3. All information requested on the bid form shall be completed. If the information in the attachment is incomplete, the bid must be considered incomplete and be rejected.
4. The bidder’s company name, the authorized person’s signature, name and title shall be completed in ink.

1.15 Limitation on Withdrawal of Proposals After Opening of Proposals

Delete item A and replace with the following:
“If within 24 hours after bids are opened, any Bidder files a duly signed written notice with the Jurisdiction and demonstrates to the satisfaction of the Jurisdiction that a material and substantial error was made in the preparation of the bid, the Bidder may withdraw its bid and the Bid security will be returned. Thereafter, if the work is rebid, that Bidder will be disqualified from further bidding on that work.”

Section 1030 - Approval for Award and Award of Contract

1.03 Award of Contract

Delete item C and replace with the following:

“C. Failure to Execute the Contract: It is agreed by the bidder that upon its failure to enter
into the contract and furnish the necessary insurance certificate and performance, payment and maintenance bond within 15 calendar days after notification by the Jurisdiction, the amount of the bidder’s bid security may at the Jurisdiction’s option be forfeited and shall become the property of the Jurisdiction, to be retained not as a penalty, but as liquidated damages. The award of the contract may then, at the discretion of the Jurisdiction, be made to the next lowest, responsive, responsible bidder, or the work may be re-advertised or may be constructed by the Jurisdiction in any legal manner.

Section 1040 - Scope of Work

1.06 Increase or Decrease of Work
Delete item B. and replace with the following:
“B. Unless such alterations, increases or decreases materially change the character of the work to be performed or the cost thereof, the altered work shall be paid for at the same unit prices as other parts of the work. Quantity changes amounting to 25% or less of the total bid for an item shall not affect the unit price of that item. If, however, the character of the work or the unit costs thereof are materially changed, due to unforeseen events, an allowance shall be made on such basis as may have been agreed to in advance of the performance of the work.”

1.10 Disputed Claims for Extra Compensation
Add item A. 6 as follows:
“6. Monetary compensation will not be made for time necessary to resolve disputed claims issues.”

Delete Items C.- G. of this section and replace with the following:
“C. In the event a Contractor’s claim as outlined in the above procedure has been disallowed, in whole or part, the Contractor may, within 30 calendar days from the date the ruling of the Jurisdiction is mailed, appeal the Jurisdiction’s decision. A written note of intention to appeal from the Contractor shall be submitted to the Engineer.

D. A formal proceeding will be instituted in a forum of competent jurisdiction within 60 days after receipt of the appeal or within 60 days after Final Completion, whichever is later (unless otherwise agreed in writing by the Jurisdiction and the Contractor) to exercise such rights or remedies as the appealing party may have with respect to such claim, dispute, or other matter in accordance with applicable Laws and Regulations.

E. Any legal actions shall be filed with the District Court of Linn County, Iowa.”

1.11 Delays Caused by the Jurisdiction
Add the following paragraph:
“The Engineer shall have a minimum of 2 working days upon receipt of written request by the Contractor to respond to issues or claims for extra compensation. The Contractor shall not be entitled to delay claims during this period.”
Section 1050 - Control of Work

1.05 Shop Drawings, Certificates, and Equipment Lists
Add to item A.1 as follows:
“Four sets of shop and/or equipment drawings shall be submitted to the Engineer.”

1.10 Line and Grade Stakes
Add item D. as follows:
“D. On privately contracted projects, the Owner shall hire a Licensed Surveyor per Section 11,010 for all survey work.”

Section 1060 – Control of Materials

1.01 Materials Source of Supply and Quality Requirements
Add item F. as follows:
“One set of required certifications, test results, and samples shall be submitted to the Engineer.”

Section 1070 Legal Relations and Responsibility to the Public

1.03 Permits and Licenses
Delete item 1.03 and replace with the following:
“The Contractor shall procure all necessary permits for the construction of the work and for temporary excavations, obstruction, enclosures, and street openings arising from the construction and completion of the work described in the contact documents. The cost for all required Jurisdictional permits shall be paid by the Contractor unless otherwise provided in the contract documents. The Contractor shall be responsible for all violations of the law for any cause in connection with the construction of the work or caused by the obstruction of roads, streets, Highways, or sidewalks and shall give all requisite notices to the Jurisdiction or other public authorities in connection therewith.”

2.13 Borrow and Waste Sites
Add item C. as follows:
“The Contractor is required to obtain written authorization for use from the owner for all borrow and waste sites secured for use. A copy of the authorization shall be submitted to the Engineer prior to use of the site. Upon completion of the usage and restoration of the site, the Contractor shall also obtain written acceptance from the owner and submit a copy to the Engineer.”

3.02 Insurance Requirements
Delete items 3.02 – 3.09 and replace with the following:

“3.02 INSURANCE REQUIREMENTS
A. The Contractor shall purchase and maintain insurance to protect the Contractor and the Jurisdiction against all hazards herein enumerated throughout the duration of the contract. Said insurance shall be provided by an insurance company or companies, “admitted” or “non-admitted” to do business in the State of Iowa, having an A.M. Best rating of no less than “A-“.”
B. "Insurance," "insurance policy," or "insurance contract" when used in these specifications shall have the same meaning as "insurance policy" and "insurance contract" under Iowa Code Section 507B.2. All insurance required by this section shall provide coverage on an occurrence basis, not on a claims-made basis, and the person or other entity shall provide evidence of such coverage through an “insurance policy," "contract of insurance," or "certificate of insurance" that clearly discloses on its face coverage on an occurrence basis. Insurance coverage required for hazardous materials abatement including removal of lead, asbestos, PCB’s, or the like may be provided on a claims-made basis when it is demonstrated to the satisfaction of the Jurisdiction that occurrence coverage is not reasonably available.

C. Except for workers compensation insurance, the Contractor shall purchase and maintain such insurance as will protect the Contractor and the Jurisdiction as set forth below, which may arise out of or result from the Contractor’s operations under the contract, whether such operations be by the Contractor, its subcontractors or consultants, suppliers, third parties, or the agents, officers, or employees of any of them. In addition, the Contractor shall purchase and maintain workers compensation insurance to cover its employees.

1. Workers Compensation: A standard Workers Compensation policy approved for use in the State of Iowa shall be issued with the following coverages.
   a. Statutory Benefits covering all employees injured on the job by accident or disease as prescribed by Iowa Code Chapter 85.
   b. Employers Liability insurance with the following limits:

<table>
<thead>
<tr>
<th>Bodily injury by accident</th>
<th>$1,000,000 each accident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bodily injury by disease</td>
<td>$1,000,000 each accident</td>
</tr>
<tr>
<td>Bodily injury by disease</td>
<td>$1,000,000 policy limit</td>
</tr>
</tbody>
</table>

2. Commercial General Liability Insurance: No less comprehensive and no more restrictive than the coverage provided by a standard form Commercial General Liability Policy (ISO CG 0001 or its equivalent) with all standard exclusions with minimum limits shown below covering claims for damages because of bodily injury, personal injury, or damage to property that occur on the premises under contract or arise out of the operations in performance of the contract. Any additional exclusions shall be identified on the Certificate of Insurance and shall be subject to the review and approval of the Jurisdiction.

<table>
<thead>
<tr>
<th>General Aggregate Limit</th>
<th>$2,000,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Products’ Completed operations Aggregate Limit</td>
<td>$2,000,000</td>
</tr>
<tr>
<td>Personal and Advertising Injury Limit</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Each Occurrence Limit</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Damage to Rented Premises</td>
<td>$50,000</td>
</tr>
<tr>
<td>Medical Damage Limit ( any one person)</td>
<td>$5,000</td>
</tr>
</tbody>
</table>
This insurance must include the following features:

a. Coverage for all premises and operations. The policy shall be endorsed to provide the Designated Construction Project(s) General Aggregate Limit Endorsement (ISO CG 2503) or its equivalent.
b. Personal and advertising injury.
c. Operations by independent contractors.
d. Contractual liability coverage. If work to be performed by Contractor includes construction or demolition operations within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, roadbeds, tunnel, underpass, or crossing, then such policy will include a Railroad's Contractual Liability Endorsement (ISO CG 2417 or its equivalent).
e. Coverage for demolition of any building or structure, collapse, explosion, blasting, excavation, and damage to property below the surface of the ground (XCU coverage).
f. Any fellow employee exclusions shall be deleted as it applies to managerial and supervisory employees.
g. The policy shall not contain a total or absolute pollution exclusion. Coverage shall be provided for pollution exposures arising from products and completed operations. Provide Contractor’s Pollution Legal Liability and/or Asbestos Legal liability and/or Errors and Omissions (if project involves environmental hazards) with limits no less than $1,000,000 per occurrence or claim and $2,000,000 policy aggregate.
h. Products and completed operations shall be maintained for the duration of the work; and shall be further maintained for a minimum period of time after final acceptance and payment.
i. Contractual liability coverage will also include contractually assumed defense costs in addition to policy limits.
j. In lieu of including the Jurisdiction as an additional insured on the Contractor’s Commercial General Liability Insurance, the Jurisdiction, at its option, may require the Contractor to provide an Owner’s Protective Liability Policy by Special Provision, or may allow the Contractor to provide an Owner's Protective Liability Policy by Change Order. If an Owner's Protective Liability Policy is provided, the minimum coverage, limits, and exclusions shall be as shown above; and the Contractor's premium cost of obtaining such insurance shall be considered incidental to the work and shall not be subject to reimbursement by the Jurisdiction.

3. Automobile Liability Insurance: Covers all owned, non-owned, hired, and leased vehicles with a minimum combined single limit of $1,000,000 per accident covering claims for damages because of bodily injury, personal injury, or damage to property that arise out of operations in performance of the contract. The insurance must include contractual liability coverage. Any fellow employee exclusion shall be deleted. The policy shall provide Auto Cargo Pollution Endorsement (ISO CA 99 48 or its equivalent), if required in the special provisions.
4. Railroad Protective Liability: If required by the Jurisdiction by special provision, or by an affected railroad, the Contractor shall procure and maintain Railroad Protective Liability Insurance naming the railroad as the insured with minimum limit for bodily injury and property damage liability of $2,000,000 per occurrence, $6,000,000 aggregate, or with such other limits as the railroad shall require. The original of said policy shall be furnished to the railroad and a certified copy of said policy shall be furnished to the Jurisdiction prior to any construction or entry upon the railroad easement premises by the Contractor.

5. Umbrella/Excess Insurance: At the Contractor’s option, the limits specified in Section 1070, 3.02, C, 1, 2, 3 may be satisfied with a combination of primary and Umbrella/Excess Insurance. At the Jurisdiction's option, the minimum insurance limits specified above may be increased by special provision. This increase may be satisfied with a combination of primary and Umbrella/Excess Insurance. Contractor shall carry no less than $5,000,000 Umbrella/Excess Liability Coverage.

6. Additional Insured Endorsements: Except for Workers Compensation, the insurance specified shall:
   a. Include the Jurisdiction as an additional insured, per Section 1070, 3.06, B; and
   b. Be primary to and not in excess of or contributory with any other insurance available to the Jurisdiction.

7. Reference to ISO: Wherever the term "ISO" appears in these specifications, any subsequent equivalent ISO form or non-ISO equivalent form may be used.

8. Professional Liability Insurance: If contract is a “Design/Build” project, provide insurance with limits of no less than $2,000,000 per occurrence or claim, and policy aggregate of $2,000,000.

3.03 CONTRACTOR’S INDEMNITY - CONTRACTUAL LIABILITY INSURANCE

A. To the extent covered by the standard insurance forms listed in Section 1070, 3.02, the insurance shall include contractual liability coverage to cover all indemnification and hold harmless agreements and provisions in the contract documents, including the following provision.

B. To the fullest extent permitted by law, the Contractor shall defend, indemnify, and hold harmless the Jurisdiction and its officers, agents, employees, and consultants from and against all claims, damages, losses, and expenses, including but not limited to, attorney's fees, arising out of or resulting from the performance or prosecution of the work by the Contractor, its subcontractors, agents, or employees; or arising from any neglect, default, or mismanagement or omissions by the Contractor, its subcontractors or consultants, suppliers, third parties, or the agents, officers, or employees of any of them in the performance of any duties imposed by the contract or by law; provided any such claim, damage, loss, or expense:
1. is attributable to bodily injury, sickness, disease or death, or to injury to or
destruction of tangible property (other than the work itself) including economic
damages and the loss of use resulting therefrom, and

2. is caused in whole or in part by any act or omission of the Contractor, its
subcontractors or consultants, suppliers, third parties, or the agents, officers, or
employees of any of them, or anyone for whose acts any of them may be liable,
regardless whether or not it is caused in part by a party indemnified hereunder.
Such obligation shall not be construed to negate, abridge, or otherwise reduce any
other right or obligation of indemnity that would otherwise exist as to any party or
person described in this subsection.

C. In any and all claims against the Jurisdiction or the Engineer or any of their agents,
officers, employees, or consultants by any employee of the Contractor, its
subcontractors or consultants, suppliers, third parties, or the agents, officers, or
employees of any of them, or anyone for whose acts any of them may be liable, the
indemnification obligation under this subsection shall not be limited in any way by any
limitation on the amount or type of damages, compensation, or benefits payable by or
for the Contractor or any subcontractor under workers' compensation acts, disability
benefit acts, or other employee benefit acts.

D. The obligations of the Contractor under this subsection shall not extend to the liability of
the Engineer, the Engineer's agents, employees, or consultants, arising out of:

1. the preparation or approval of maps, drawings, opinions, reports, surveys, change
orders, design standards, or specifications; or

2. the giving of or the failure to give directions or instructions by the Engineer, the
Engineer's agents, employees, or consultants,

provided the preparation or the giving or failure to give directions or instructions is the
sole proximate cause of the injury or damage.

E. If any litigation on account of such claims shall be commenced against the Jurisdiction,
the Contractor, upon notice thereof from the Jurisdiction, shall defend the same at its
sole cost and expense; and the record of any judgment rendered against the Jurisdiction
on account of such claims for damages shall be conclusive as against said Contractor and
entitle the Jurisdiction to recover the full amount thereof, with interest and cost, and
attorney's fees incurred by said Jurisdiction, whether the Jurisdiction paid such amounts
or not.

3.04 CONTRACTOR'S INSURANCE FOR OTHER LOSSES; WAIVER OF SUBROGATION

A. The Contractor shall assume full responsibility for all loss or damage from any cause
whatsoever to any tools owned by the mechanics; or any tools, machinery, equipment,
or motor vehicles owned or rented by the Contractor, its subcontractors or consultants,
suppliers, third parties, or the agents, officers, or employees of any of them; or to any
shed or other temporary structures, scaffolding and staging, protective fences, and
bridges belonging to the contractor, its subcontractors or consultants, suppliers, third
parties, or the agents, officers, or employees of any of them, not covered by the
Jurisdiction’s Builders Risk Insurance.

B. The Contractor shall cause each of its subcontractors, consultants, suppliers, third
parties, or the agents of any of them, to carry insurance sufficient to cover all loss to
such materials, tools, motor vehicles, and equipment. All insurance carried by the
Contractor, or its subcontractors, consultants, suppliers, third parties or the agents of
any of them, covering risk of loss or damage to materials, tools, motor vehicles, and
equipment used in the performance of the Work, shall provide a waiver of subrogation
against the Jurisdiction and include the Jurisdiction as an additional insured per Section
1070, 3.06, B. To the extent that any subcontractors, consultants, suppliers, third parties
or the agents of any of them, do not provide such coverages, any uninsured loss shall be
the sole responsibility of the Contractor.

3.05 PROPERTY INSURANCE

A. Unless otherwise stated in the special provisions, the Contractor shall purchase and
maintain property insurance, a.k.a. Builder’s Risk Insurance, in the form of Course of
Construction coverage, in the amount of the initial bid amount, or in an amount equal
to the estimated value of actual building construction, whichever is less, as well as
applicable modifications thereto for the entire work at the site on a replacement cost
basis. Such property insurance shall be maintained, unless otherwise provided in the
contract documents or otherwise agreed in writing by all persons and entities who are
beneficiaries of such insurance, until final acceptance of the work by the Jurisdiction.
The insurance shall include interests of the Jurisdiction, the Owner, the Engineer, the
Owner and Engineer’s consultants, the Contractor, subcontractors, and sub-
subcontractors in the work. This property insurance covering the work will have a
deductible of $5,000 for each occurrence, or as stated in the special provisions, which
will be the responsibility of the Contractor.

B. Property insurance shall be on an all-risk policy form and shall insure against the perils of
fire and extended coverage and physical loss or damage including, without duplication of
coverage, flood and earthquake, theft, vandalism, malicious mischief, collapse,
falsework, temporary buildings and debris removal, including demolition occasioned by
enforcement of any applicable legal requirements, and shall cover reasonable
compensation for the Jurisdiction’s services and expenses required as a result of such
insured loss. Coverage for other perils shall not be required unless otherwise provided in
the contract documents.

C. Unless otherwise provided in the contract documents, this property insurance shall cover
portions of the work stored off the site, after written approval of the Jurisdiction, at the
value established in the approval, and portions of the work in transit. Coverage for work
stored off the site and in transit will be not less than 10% of the policy amount.
D. Boiler and Machinery Insurance: The Contractor may purchase and maintain Boiler and Machinery Insurance required by the contract documents or by law, which shall specifically cover such insured objects during installation and until final acceptance by the Jurisdiction; this insurance shall include interest of the Jurisdiction, Contractor, subcontractors, and sub-subcontractors in the work, and the Jurisdiction and Contractor shall be named insureds.

E. Loss of Use Insurance: The Contractor may purchase and maintain insurance to insure the Jurisdiction against loss of use of the Jurisdiction's property due to fire or other hazards, however caused.

F. If the Jurisdiction requests in writing that insurance for risks other than those described herein or for other special hazards be included in the property insurance policy, the Contractor shall, if possible, include such insurance, and the cost thereof may be reimbursed by the Jurisdiction.

G. Before an exposure to loss may occur, the Contractor shall file with the Jurisdiction a copy of each policy or certificate of insurance that includes insurance coverages required by this section. Each policy shall contain all generally applicable conditions, definitions, exclusions, and endorsements related to this project. Each policy shall contain a provision that the policy will not be cancelled or allowed to expire until at least 30 calendar days prior written notice has been given to the Contractor.

H. Waivers of Subrogation: The Jurisdiction and Contractor waive all rights against (1) each other and any of their subcontractors, sub-subcontractors, agents, and employees, each of the other, and (2) the Jurisdiction's consultants, separate contractors, if any, and any of their subcontractors, sub-subcontractors, agents, and employees, for damages caused by fire or other perils to the extent covered by property insurance obtained pursuant to this section or other property insurance applicable to the work, except such rights as they have to proceeds of such insurance held by the Jurisdiction as fiduciary. The Jurisdiction or Contractor, as appropriate, shall require of the Jurisdiction's consultants, separate contractors, if any, and the subcontractors, sub-subcontractors, agents, and employees of any of them, by appropriate agreements, written where legally required for validity, similar waivers each in favor of other parties enumerated herein. The policies shall provide such waivers of subrogation by endorsement or otherwise. The Workers Compensation policy shall be endorsed with a waiver of subrogation in favor of the Jurisdiction for all work performed by the Contractor, its employees, agents and subcontractors. A waiver of subrogation shall be effective as to a person or entity even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, did not pay the insurance premium directly or indirectly, and whether or not the person or entity had an insurable interest in the property damaged.

I. In addition to the insurance required to be provided by the Contractor, the Owner, at the Owner’s option, may purchase and maintain the Owner’s own liability insurance as will
protect the Owner against claims that may arise out of operations under the contract.

J. Installation Floater: Under contracts where the Contractor does not provide Builders Risk Insurance, the Jurisdiction may by special provision require the Contractor to provide coverage under an “Installation Floater” covering all materials, fixtures, equipment, and supplies provided for the job. Such insurance shall be on an “all risk” form in an amount equal to the maximum value of such materials, equipment, or supplies covered on the job site, off-premises at any temporary storage location, or in transit. The Installation Floater covering the equipment shall have a maximum deductible no greater than $5,000 for each occurrence, which will be the responsibility of the Contractor.

3.06 ENDORSEMENT NAMING JURISDICTION AS AN ADDITIONAL INSURED / CANCELLATION AND MATERIAL CHANGE / NON-WAIVER OF GOVERNMENTAL IMMUNITIES ENDORSEMENT

A. All liability insurance policies the Contractor is required to provide pursuant to this Section 1070, Part 3 - Bonds and Insurance shall be by endorsement name and designate the Jurisdiction as an additional insured.

B. The Additional Insured Endorsement shall include the following provisions:
The City of Cedar Rapids, Iowa including all its elected and appointed officials, all its employees and volunteers, all its boards, commissions and/or authorities and their board members, employees, and volunteers, and all its officers, agents, and consultants, are named as Additional Insureds with respect to liability arising out of the Contractor’s work and services performed for the City of Cedar Rapids, Iowa. This coverage shall be primary to the Additional Insureds, and not contributing with any other insurance or similar protection available to the Additional Insureds, whether other available coverage by primary, contributing, or excess.

The Additional Insured Endorsement shall be included on all Commercial General Liability, Automobile Liability, and Umbrella/Excess Insurance policies.

C. The Cancellation and Material Change Endorsement shall include the following provisions:
Thirty calendar days advance written Notice of Cancellation, Non-Renewal or Reduction in Insurance coverage and/or Limits, and 10 calendar days written Notice of Non-payment of Premium, shall be sent to the Jurisdiction at the office and attention of the Certificate Holder. This endorsement supersedes the standard cancellation statement on the Certificate of Insurance to which this endorsement is attached.

This Cancellation and Material Change Endorsement shall be included on insurance policies required by the SUDAS Standard Specifications.

D. All liability policies that include the Jurisdiction as an additional insured shall include a Non-Waiver of Governmental Immunities Endorsement, pursuant to Iowa Code Section 670.4, which endorsement shall include the following provisions:
1. Non-waiver of Government Immunity: The insurance carrier expressly agrees and states the purchase of this policy and including the Jurisdiction as an Additional Insured does not waive any of the defenses of governmental immunity available to the Jurisdiction under Iowa Code Section 670.4 as it now exists and as it may be amended from time to time.

2. Claims Coverage: The insurance carrier further agrees this policy of insurance shall cover only those claims not subject to the defense of governmental immunity under Iowa Code Section 670.4 as it now exists and as it may be amended from time to time.

3. Assertion of Government Immunity: The Jurisdiction shall be responsible for asserting any defense of governmental immunity, and may do so at any time and shall do so upon the timely written request of the insurance carrier. Nothing contained in this endorsement shall prevent the carrier from asserting the defense of governmental immunity on behalf of the Jurisdiction.

4. Non-Denial of Coverage: The insurance carrier shall not deny coverage or deny any of the rights and benefits accruing to the Jurisdiction under this policy for reasons of governmental immunity unless and until a court of competent jurisdiction has ruled in favor of the defense(s) of governmental immunity asserted by the Jurisdiction.

5. No Other Change in Policy: The insurance carrier and the Jurisdiction agree the above preservation of governmental immunities shall not otherwise change or alter the coverage available under the policy.

This Non-Waiver of Government Immunities Endorsement shall be included on all insurance policies that include the Jurisdiction as Additional Insured.

E. All liability policies purchased in the Jurisdiction’s name shall include a Non-waiver of Governmental Immunities Endorsement, pursuant to Iowa Code Section 670.4, which endorsement shall include the following provisions:

1. Nonwaiver of Government Immunity: The insurance carrier expressly agrees and states the purchase of this policy does not waive any of the defenses of governmental immunity available to the Jurisdiction under Iowa Code Section 670.4 as it now exists and as it may be amended from time to time.

2. Claims Coverage: The insurance carrier further agrees this policy of insurance shall cover only those claims not subject to the defense of governmental immunity under Iowa Code Section 670.4 as it now exists and as it may be amended from time to time.

3. Assertion of Government Immunity: The Jurisdiction shall be responsible for asserting any defense of governmental immunity, and may do so at any time and shall do so upon the timely written request of the insurance carrier. Nothing contained in this
endorsement shall prevent the carrier from asserting the defense of governmental immunity on behalf of the Jurisdiction.

4. Non-Denial of Coverage: The insurance carrier shall not deny coverage or deny any of the rights and benefits accruing to the Jurisdiction under this policy for reasons of governmental immunity unless and until a court of competent jurisdiction has ruled in favor of the defense(s) of governmental immunity asserted by the Jurisdiction.

5. No Other Change in Policy: The insurance carrier and the Jurisdiction agrees that the above preservation of governmental immunities shall not otherwise change or alter the coverage available under this policy.

This Non-Waiver of Government Immunities Endorsement shall be included in all Insurance Policies in the Jurisdiction's name.

3.07 PROOF OF INSURANCE

A. The Contractor shall, prior to the Jurisdiction’s approval and execution of the Contract, provide to the Jurisdiction a certificate or certificates of insurance evidencing all required insurance coverages as required in this Section 1070, Part 3 – Bonds and Insurance, utilizing the ACORD certificate form, or equivalent, required by the Jurisdiction. The Certificate of Insurance requirement may be satisfied with a blanket certificate.

B. The Description of Operations on the Certificate of Insurance for the work must state either: 1) Blanket certificate of coverage of all work, services, or projects with the Jurisdiction, or 2) identify the specific project by name and project number. The Contract will not be submitted for approval execution by the Jurisdiction until all certificates of insurance are correct and have received staff approval.

C. The Cancellation statement on the Certificate of Insurance shall be superseded by the Cancellation and Material Changes Endorsement, which shall be attached to the certificate.

D. All endorsements required for the work shall be attached to the appropriate Certificate or Certificates of Insurance and shall be, on the face thereof, listed by name.

E. If an Owner’s Protective Policy is provided, the policy with appropriate endorsements shall be submitted to the Jurisdiction. The Contract will not be submitted for approval and execution by the Jurisdiction until the Owner’s Protective Policy and all certificates of insurance are correct and have received staff approval.

3.08 NOTIFICATION IN EVENT OF LIABILITY OR DAMAGE

A. Upon the occurrence of any event, the liability for which is herein assumed by the Contractor, the Contractor agrees to forthwith notify the Jurisdiction in writing of such
happening, which notice shall give the details as to the happening, the cause as far as can be ascertained, the estimate of loss or damage done, the names of witnesses, if any, and stating the amount of any claim.

B. In the event the Jurisdiction has or obtains actual knowledge of any event that may result in a claim, the liability for which is herein assumed by the Contractor, the Jurisdiction agrees to notify the Contractor of such event within a reasonable period of time after acquiring knowledge thereof; provided however, the Jurisdiction shall have no duty to inspect the project to obtain knowledge of such events; and provided further the Jurisdiction’s failure to so notify the Contractor shall not relieve the Contractor of any liability or obligation herein assumed by the Contractor.

3.09 SAMPLE INSURANCE FORMS
See the SUDAS website (www.iowasudas.org) for examples of standard insurance forms.

3.10 SPECIAL RISKS OR CIRCUMSTANCES
The Jurisdiction reserves the right to modify the requirements of this section, including limits, based on the nature of the risk, prior experience, insurer, coverage or other circumstances. “

Section 1080 – Prosecution and Progress
1.03 Work Progress and Schedule
Delete item B. and replace with the following:
“B. After being awarded the contact, the Contractor shall immediately prepare and submit to the Engineer for review and approval a progress schedule that will insure the completion of the project within the time specified. Said schedule shall include anticipated controlling items of work, contract specified milestones, and days and/or dates for starting and completing each stage of the work. The schedule shall be submitted to the Engineer prior to scheduling the preconstruction conference. Adequate equipment and forces shall be made available the Contractor to start work immediately upon the Notice to Proceed and to prosecute work to completion according to the schedule and within the time specified.”

1.04 Preconstruction Conference
Delete this paragraph and replace with the following:
“A preconstruction conference shall be scheduled upon receipt of the work progress schedule from the Contractor. The Contractor and intended subcontractors shall attend and participate in this conference. The Engineer will invite representatives of railroads, utilities and others having responsibilities or interests in the work.”

1.07 Work on Sundays or Legal Holidays
Add item C. as follows:
“C. Work on Saturdays, except for contracts specifying mandatory six-day work weeks, Sundays and City holidays requires written authorization by the Engineer. A written
request shall be submitted by the Contractor a minimum of two working days in advance of the days being requested to work. Inspection fees will be charged at the discretion of the Engineer. Cancellation of the scheduled work after approval may result in charges to the Contractor at a minimum of three hours of inspection time. Working day charges will be made for working day and calendar day contracts.

1.09 Extension of Time

B. Request for Extension of Time

1. Weather. Add item a. as follows:

“a. Requests for extension of time due to excess precipitation will be considered on calendar day projects as follows: Precipitation levels in excess of 10% of the average monthly rainfall as recorded by the National Weather Service over the last ten years, may be considered in an extension of contract time. The Contractor may request an extension of one calendar day for each 10% of precipitation above 110% of the monthly average (rounded up). Written requests for such time extensions shall be submitted to the Engineer within fourteen (14) calendar days following the end of each month. No consideration will be made for time extensions due to excess precipitation if written notification is not received within this time frame.

Section 1090 – Measurement and Payment

1.04 Payment for Change Orders

Add item B.4. as follows:

“4. Extra work by a Subcontractor: The prime Contractor mark-up on extra work performed by a Subcontractor shall be limited to one tier of Subcontractors and shall be a maximum of 10% on the first $50,000 with a $100.00 minimum, and 5% on the portion of extra work in excess of $50,000.”

DIVISION 2 - Earthwork

Section 2010- Earthwork, Subgrade and Subbase

1.07 Special Requirements

Add the following: “No earthwork shall proceed with or upon frozen materials.”

1.08 Measurement and Payment

D. Topsoil

1. On-site Topsoil, 2. Compost-amended Topsoil, 3. Off-Site Topsoil

Delete measurement and payment for each item and replace with the following:

“a. Measurement: Measurement will be the plan quantity in cubic yards without final field measurement. Adjustments may be made to the plan quantities if agreed to by both the Engineer and Contractor.

b. Payment: Payment will be at the unit price per cubic yard.

c. Includes: Work includes but is not limited to, stripping, excavating, furnishing, hauling, placing and incorporating materials. Overhaul will not be paid. “

L. Compaction Testing:

Delete item 1 and item 2 and replace with the following:

“1. The Contractor will be responsible for compaction testing unless otherwise specified
in the contract documents.

2. Testing shall be performed by an independent testing laboratory hired by the Contractor. Payment will be incidental to related bid items. “

2.04 Foundation Materials
D. Subbase
1. Special Backfill  Delete item 1. Special Backfill.

3.06 Subgrade Preparation
A. Uniform Composition. Add the following:
“A disk or plow shall be used for scarification of materials for drying. If conditions do not allow enough space for a disk or plow, the material shall be scarified by other methods as approved by the Engineer.”

2. Subgrade Compaction in Cut Sections
Delete items b. and c. and replace with the following:
“b. Disk, scarify, mix and recompact the next 6 inches of subgrade.
   c. Replace, disk, mix and compact the top 6 inches of subgrade.”

DIVISION 3 - Trench and Trenchless Excavation

Section 3010 Trench Excavation and Backfill
1.08 Measurement and Payment
B. Rock Excavation
1. Measurement: Delete item 1 and replace with the following:
“Measurement will be by cubic yards of rock removed to the limits of the trench bedding and backfill zones.

DIVISION 4 - Sewers and Drains

Section 4010 Sanitary Sewers
1.08 H. Removal of Sanitary Sewer
3. Includes: Delete item 3 and replace with the following:
“Unit price includes, but is not limited to, removal, disposal, capping (if specified) of pipe, and backfilling of trench.”

2.01 Sanitary Sewer (Gravity Mains)
A. Solid Wall Polyvinyl Chloride Pipe (PVC) 8 inch to 15 inch:
Delete item 1 and replace with the following: “Comply with ASTM D 3034, SDR 26.”

Delete the following items:
C. Corrugated Polyvinyl Pipe (PVC) 8 inch to 36 inch
D. Closed Profile Polyvinyl Pipe (PVC) 21 inch to 36 inch.
E. Polyvinyl Chloride Composite Pipe (Truss type PVC), 8 inch to 15 inch.
I. Double Walled Polypropylene Pipe 12 inch to 30 inch.
J. Triple Walled Polypropylene Pipe 30 inch to 36 inch.
2.01 B. Solid Wall Polyvinyl Chloride Pipe (PVC) 18 inch to 27 inch.
Delete Items 1 and 2 and replace with the following:

Add Item 2.01 K. as follows:
“2.01 K. Polyvinyl Chloride Pipe (PVC) 8 inch to 24 inch
1. Comply with AWWA C900.
3. Joint type: Certa-Lok ®or approved equal.”

Add Item 2.01 L. as follows:
“2.01 L. High Density Polyethylene Pipe (HDPE)
1. Comply with ASTM F714 based on outside diameter or AWWA C906, ASTM D1248 and ASTM D3350.
3. Jointing by butt fusion.”

2.02 Sanitary Sewer Force Mains
Delete Item 2.02 B and replace with the following:
B. Polyvinyl Chloride Pipe (PVC): Comply with the requirements in Section 2.01 K. for PVC pipe. Provide restrained joints where specified.

Add item 2.02 B.1 as follows:
“2.02 B. 1 High Density Polyethylene Pipe (HDPE): Comply with requirements in Section 2.01 L. for High Density Polyethylene Pipe (HDPE). “

2.04 Sanitary Sewer Services
Add the following: “All service connections to main shall be wye fittings or saddle wyes.”

3.02 Gravity Sewer Installation
A. General Add item 8 as follows:
“Construct waterstops at nominal 800 foot intervals or as directed in the contract documents. Waterstops shall be constructed per Figure 3010.105.”

3.06 Sanitary Sewer Service Stubs
Add the following to item B:
“All service connections to sewer mains shall be with factory wyes“.

3.12 Conflicts
Delete this section and replace with the following:
A. Horizontal Separation of Gravity Sewers from Water Mains: Separate gravity sewer mains from water mains by a horizontal distance of at least 10 feet unless:
1. The top of a sewer main is at least 18 inches below the bottom of the water main, and
2. The sewer is placed in a separate trench or in the same trench on a bench of undisturbed earth at a minimum horizontal separation of 3 feet from the water main.
3. When it is impossible to obtain the required horizontal clearance of 3 feet and a vertical clearance of 18 inches between sewers and water main, the sewers must be constructed of materials meeting the requirements of Section CR 5010 2.01 or Section 4010 2.01K. However, provide a linear separation of at least 2 feet.

B. Separation of Sewer Force Mains from Water Mains: Separated sewer force mains and water mains by a horizontal distance of at least 10 feet unless:
1. The force main is construction of materials meeting a minimum pressure rating of 150 psi and the requirements of Section CR 5010 2.01 or Section 4010 2.01K. and
2. The sewer force main is laid at least 4 linear feet from the water main.

C. Separation of Sewer and Water Main Crossovers:
1. Vertical separation of sanitary sewers crossing under any water main should be at least 18 inches when measured from the top of the sewer to the bottom of the water main. If physical conditions prohibit the separation, the sewer may be placed not closer than 6 inches below a water main or 18 inches above a water main. Maintain the maximum feasible separation distance in all cases.
2. Where the sewer crosses over or less than 18 inches below a water main, locate one full length of sewer pipe of material meeting the requirements of Section CR 5010 2.01 or Section 4010 2.01K so both joints are as far as possible from the water main. The sewer and water pipes must be adequately supported and have watertight joints. Use a low permeability soil for backfill material within 10 feet of the point of crossing.

Section 4020 Storm Sewers

1.08 Measurement and Payment

C. Removal of Storm Sewer

3. Includes: Delete item 3 and replace with the following:
“Unit price includes, but is not limited to, removal, disposal, capping (if specified) of pipe, and backfilling of trench.”

3.06 Conflicts

Delete this section and replace with the following:

A. Horizontal Separation of Gravity Sewers from Water Mains:
1. Separate gravity storm sewer mains from water mains by a horizontal distance of at least 10 feet unless:
   - The top of a sewer main is at least 18 inches below the bottom of the water main, and
   - The sewer is placed in a separate trench or in the same trench on a bench of undisturbed earth at a minimum horizontal separation of 3 feet from the water main.
2. When it is impossible to obtain the required horizontal clearance of 3 feet and a vertical clearance of 18 inches between sewers and water main, the sewers must be constructed of materials meeting the requirements of Section CR 5010 2.01 or Section 4010 2.01K. However, provide a linear separation of at least 2 feet.
B. Separation of Sewer Force Mains from Water Mains: Separate storm sewer force mains and water mains by a horizontal distance of at least 10 feet unless:
1. The force main is construction of materials meeting a minimum pressure rating of 150 psi and the requirements of Section CR 5010 2.01 or Section 4010 2.01K, and
2. The sewer force main is laid at least 4 linear feet from the water main.

C. Separation of Sewer and Water Main Crossovers:
1. Vertical separation of storm sewers crossing under any water main should be at least 18 inches when measured from the top of the sewer to the bottom of the water main. If physical conditions prohibit the separation, the sewer may be placed not closer than 6 inches below a water main or 18 inches above a water main. Maintain the maximum feasible separation distance in all cases. The sewer and water pipes must be adequately supported and have watertight joints. Use a low permeability soil for backfill material within 10 feet of the point of crossing.
2. Where the storm sewer crosses over or less than 18 inches below a water main, locate one full length of sewer pipe of material meeting the requirements of Section CR 5010 2.01 or Section 4010 2.01 K or reinforced concrete pipe (RCP) with flexible gasket joints meeting ASTM C 443 so both joints are as far as possible from the water main.

Section 4030 Pipe Culverts
2.01 Pipe Culverts
   A. Roadway Pipe Culverts: Delete this item and replace with the following:
   “All storm sewer pipe materials specified for use in the right-of-way in Section 4020 may be used within the right-of-way as roadway pipe culvert subject to approval of the Engineer.”

   B. Entrance Pipe Culverts: Delete the following items:
   5. Corrugated Metal Pipe (CMP)
   6. Spiral Rib Pipe
   7. Coated Corrugated Metal Pipe
   8. Corrugated Metal Arch Pipe

   C. Structural Plate Culverts: Delete this item.

   D. Aluminum Structural Plate Culverts: Delete this item.

3.01 Pipe Culvert Installation
   A. Trenched: Delete item 2 and replace with the following: “Culvert pipe installed in the embankment shall be Reinforced Concrete Pipe (circular, arched and elliptical) meeting the specifications of Iowa DOT Specification Section 2416.”

Section 4040 Subdrains and Footing Drain Collectors
2.02 Type 1 Subdrains (Longitudinal Subdrain)
   D. Corrugated Polyethylene Tubing and Fittings (Corrugated PE). Delete this item.
2.06 Subdrain or Footing Drain Cleanouts
   B. Type B Cleanouts
       2. Polyvinyl Chloride Delete this item.

Section 4050 Pipe Rehabilitation
1.08 Measurement and Payment: Add the following:
   “General. By-passing sewage as necessary is incidental to related bid items unless otherwise specified.

Add the following:
   “1.08. D. Trimming of Protruding Sanitary Sewer Services
       1. Measurement: Each sanitary sewer service with ½ inch or greater protrusion into the sanitary sewer main which is trimmed will be counted.
       2. Payment: Payment will be made at the unit price for each service trimmed.
       3. Includes: Unit price includes but is not limited to identification of services protruding ½ inch or greater into the sewer main and trimming.

Section 4060 Cleaning, Inspection and Testing of Sewers
3.01 Cleaning: Add the following to item A:
   “A root saw or other approved means may be used to remove roots. Use of a flail-type device to trim protruding services or remove roots is prohibited. “

3.03 Video Inspection: Add the following to item 3.03 C. Inspection Reporting:
   “3.03 C.3. Written report shall be on forms provided by the Engineer. Obtain structure identification references from the Engineer. “

ADD New Section CR-4910 Pipe Bursting

DIVISION 5 - Water Mains and Appurtenances
Delete entire Division 5 and replace with City of Cedar Rapids Standard Specifications for Water Mains
   Section CR-5010 Pipe and Fittings
   Section CR- 5020 Valves, Fire Hydrants, and Appurtenances
   Section CR-5030 Testing and Disinfection

ADD New Section CR-5910 Cathodic Protection

DIVISION 6 - Structures for Sanitary and Storm Sewers

   Section 6010 Structures for Sanitary and Storm Sewers
       1.08 Measurement and Payment
           Delete Item 1.08 D. Casting Extension Rings.
2.09 Manhole or Intake Adjustment Rings (Grade Rings)
Delete the following items:
A.1. Reinforced Concrete Adjustment Rings
A.2. High Density Polyethylene Adjustment Rings.

2.10 Castings (Ring, Cover, Grate, and Extensions)
C.2. Intakes: Delete item b. and replace with the following:
“b. Castings shall include the message “DUMP NO WASTE, DRAINS TO RIVER” with a “fish” symbol.”

2.11 Additional Materials for Sanitary Sewer Manholes
A.2. Internal Chimney Seal: Delete this item.

Section 6020 Rehabilitation of Existing Manholes
2.01 Infiltration Barrier: Delete Item A and replace with the following:
“2.01 A. Rubber Chimney Seal: Comply with Section 6010, 2.11 for external rubber chimney seals.”

DIVISION 7 - Streets and Related Work

Section 7010 Portland Cement Concrete Pavement
1.05 Delivery, Storage, Handling, and Salvaging
Add the following item:
“E. Ready- Mix Concrete Ready-mix concrete may be used only if the producer is approved per the IDOT Ready Mix Concrete Producer Program. Verification of approval will be required. “

1.07 Special Requirements. Add the following:
“A. Contractor shall provide a minimum of 24-hour advance notice (excluding weekends and holidays) to the Engineer for pavement pours.
B. Contractor shall notify Engineer of pavement joint sawing operations which must be performed during the Cedar Rapids Noise Ordinance period of 10:00 pm -7:00 am. “

1.08 Measurement and Payment
A. PCC Pavement: Delete item 3. Includes: and replace with the following:
“Unit price includes, but is not limited to, final trimming of subgrade or subbase, integral curb, bars and reinforcement, joints and sealing, surface curing, safety fencing, concrete for rigid headers, boxouts for fixtures, pavement smoothness testing, and quality control for stringless paving.”

Add the following:
“1.08. M. Pavement Protection: When any of the types of protection described in Section 3.05 A. 1. are necessary, additional payment will be made as extra work at the rate of $1.00 per square yard of surface protected. Payment will be limited to protection necessary within the contract period. Protection necessary after November 15 will be paid for only when the Engineer authorizes the work.”
1.08. N. **Hot Water.** When heated mixing water is necessary, additional payment will be made as extra work at the rate of $2.00 per cubic yard of concrete used. Payment will be limited to uses for work authorized by the Engineer.

1.08. O. **Utility Crossing Reinforcement:**
   1. **Measurement:** Each location of reinforcement installed for a utility crossing will be counted.
   2. **Payment:** Payment will be made at the unit price for each location of reinforcement.
   3. **Includes:** Unit price includes, but is not limited to, reinforcement bar mat at plan designated size and spacing, ties, and supports.

2.01 Materials
   G.3. **Accelerating admixtures (calcium chloride):** Delete this item.

3.02 Pavement Construction
   Add the following:
   “3.02 E.5. **Utility Crossing Reinforcement:** When underground utilities cross the pavement with less than 5 feet of cover between the top of the utility pipe and bottom of the proposed pavement, or when specified in the contract documents, reinforcement will be required. Reinforcement shall be #5 epoxy coated bars, 15 foot lengths, placed at 18 inch centers parallel to the centerline of the pavement, centered over the utility pipe. Bars shall be firmly secured on anchored chair supports.

3.07 Quality Control: Add the following:
   “3.07 D. 5. Core samples will be required if deficiencies are determined in concrete yields or thickness deficiencies are suspected by the Engineer.

Section 7030 Sidewalks, Shared Use Paths, and Driveways
1.08 Measurement and Payment
   1.08 F **Brick Sidewalk:** Delete this item.

2.01 Portland Cement Concrete
   Delete Item A and replace with the following:
   “Class C concrete with materials complying with Section 7010. Use coarse aggregate of Class 2 durability or better.”

2.03 **Brick Pavers:** Delete this item.

2.04 **HMA Setting Bed for Brick:** Delete this item.

2.05 **Neoprene Modified Asphalt Adhesive for Brick:** Delete this item.

2.06 **Brick Joint Filler:** Delete this item.

2.07 **Detectable Warnings:** Add the following:
   “All detectable warning panels installed in Cedar Rapids shall be cast iron.”
3.04 PCC Sidewalks, Shared Use Paths, and Driveways

D. Curing: Delete item D and replace with the following:
   “Comply with Section 7010.”

F. Jointing

2. Transverse Contraction Joints: Add the following:
   “General: Construct a ½ inch expansion joint every 75 feet or at nearest joint for all
   PCC sidewalks and shared use paths.”

4. Isolation Joints: Delete item b. and replace with the following:
   “For a sidewalk constructed with a driveway, install an isolation joint on all sides of the
   sidewalk through the driveway.”

5. Joint Sealing: Delete item b and replace with the following:
   “All expansion and isolation joints shall be sealed. Trim preformed joint material to ½
   inch below the concrete surface. Ensure the joint is clean and dry. Install joint sealant
   per manufacturer’s recommendations.”

3.06 Brick Sidewalks: Delete this item.

Section 7040 Pavement Rehabilitation

1.01 Section Includes: Add item I. as follows:
   “I. Crack and Seating PCC Pavement.

1.08 Measurement and Payment: Add item L. as follows:
   “L. Crack and Seating PCC Pavement:
   1. Measurement: Measurement will be in square yards for area cracked and seated. Curb and gutter sections separated from pavement by full depth sawcuts will not be included.
   2. Payment: Payment will be made at the unit price per square yard for cracked and seated PCC pavement.
   3. Includes: Unit price includes, but is not limited to, full depth sawcutting at limits as described on plans, removal and disposal of debris, and furnishing and application of water as necessary.”

2.01 Materials

A. PCC: Delete item 1 and replace with the following:
   “1. Standard Patching: All concrete shall be Class M complying with Section 7010 unless otherwise specified.”

Add section 3.11 Crack and Seating PCC Pavement as follows:

“3.11 Crack and Seating PCC Pavement
A. Before cracking, remove all asphalt and other bituminous material existing on the pavement surface from the area to be cracked. Removal of full depth HMA patches is not required. Remove existing joint sealers.”
B. Locate all utilities within affected pavement areas. Saw full depth along perimeter of existing utility boxouts and create boxouts around utility fixtures to be separated from pavement.

C. Separate curb and gutter sections from pavement at distance designated with full depth saw cut.

D. Crack pavement with equipment capable of producing desired cracking pattern by providing a broad striking surface. Do not use equipment that punches holes in the pavement or results in excessing spalling of otherwise sound sections. A blade or spade type breaker is recommended.
1. Crack pavement to produce full depth, transverse hairline cracks at a nominal spacing of 1 ½ - 3 feet. Avoid inducing cracks closer than 2 ½ feet from an existing crack or joint or deteriorated concrete. Prevent the formation of a continuous longitudinal crack.
2. A section of approximately 100 feet in length shall be designated as a test section in which varying energy and striking patterns of the breaker are applied to determine a satisfactory cracking pattern. The approved method shall be used for the remainder of the project, unless the Engineer determines that a satisfactory pattern is no longer being produced.
3. Following cracking of the test section, apply water to dampen the pavement to enhance the visual determination of the cracking pattern. Water shall be applied as directed by the Engineer during cracking operations to verify that the specified cracking pattern is being maintained.
4. Do not operated cracking equipment on a bridge or within 3 feet of a fixed object.

E. Seat the cracked pavement by rolling with a pneumatic rubber tired roller.
1. Roller shall have four rubber tires, equally spaced across the full width and mounted in line on a rigid steel frame such that all wheels carry equal loads regardless of surface irregularities. Roller tires shall be capable of satisfactory operation at a minimum inflation pressure of 100 psi. Tires may contain liquid.
2. Roller shall have a weight body suitable for ballasting to a gross load of 50 tons and ballast shall allow gross roller weight to be readily determined and controlled to maintain a gross roller weight of 50 tons.
3. Roller shall be weighted to complete seating on one pass to provide aggregate Interlock at the cracks with minimal damage.

F. After Engineer’s approval of seating, pavement surface shall be cleaned of loose material by hand tools, brooming and/or light air blasting. The Engineer will determine if patching is necessary prior to HMA resurfacing.

G. HMA resurfacing shall be per SUDAS Section 7020.

ADD New Section CR-7910 Decorative Brick Pavers
DIVISION 8 - Traffic Control

Section 8010 Traffic Signals – delete entire Section 8010 and replace with Section CR-8010 Traffic Signals.

Section 8020 Pavement Markings

1.07 Special Requirements: Add item as follows:

“Thermoplastic reflectorized pavement markings and installation shall be warranted to the Owner against peeling, chipping, flaking, delamination, and shoving for a period of one year. Thermoplastic material shall be accepted on the basis of sampling and inspection at the place of manufacture or in warehouse lots as determined by the Engineer. In addition, all samples shall be accompanied with the manufacturer’s certified identification of the binder formulation. Batch size for testing shall not be less than 3000 lbs. unless the total order is less than that amount. Type III primers used for installation of thermoplastic pavement markings will be subject to approval by the Engineer.”

1.08 Measurement and Payment

A. General: Delete item 1 and replace with the following:

“Pavement marking lines will be measured on a linear basis for each size of line, with the exception of crosswalk markings which will be measured on an area basis.”

Delete item 4.

B., C., D., E., F. Painted and Tape Markings

Delete item 1. Measurement: for each of these and replace with the following:

“Each type of pavement marking will be measured on a linear basis for each size of line, with the exception of crosswalk markings which will be measured on an area basis.”

K. Pavement Markings Removed: Delete item 1. Measurement: and replace with the following:

“Pavement markings remove will be measured on a linear basis for each size of line or on a lump sum basis. Removal marking tape or markings obliterated during construction will not be measured.”

M. Grooves Cut for Pavement Markings: Delete item 1. Measurement: and replace with the following:

“1. Measurement: Measurement will be on a linear basis equivalent to the quantity of the pavement markings associated with the grooving.”

2.01 Materials: Add the following:

“B.11. Preformed thermoplastic marking tape. Material shall be PREMARK® ViziGrip manufactured by Ennis-Flint, or approved equal.”

Section 8030 Temporary Traffic Control

1.08 Measurement and Payment: Add item B as follows:
B. Flaggers:
1. Measurement: Measurement will be in days for each flagger used as approved by the Engineer. A day is considered a minimum of 6 hours. Half days are considered to be greater than 2 hours and less than 6 hours. Flaggers used less than 2 hours will not be measured for payment.
2. Payment: Payment will be at the unit price per day for each flagger.
3. Includes: Unit price includes provision of certified flaggers for direction of traffic and protection of construction zone as approved by the Engineer.

ADD New Section CR-8940 Traffic Signs and Posts

DIVISION 9 - Site Work and Landscaping

Section 9010 Seeding
3.04 Conventional Seeding
E. Seeding
2. Seed Application, Permanent: Add item f. as follows:
“f. All lawn mixtures shall be applied with hydraulic methods per Section 3.05.”

Section 9030 Plant Material and Planting
2.01 Plant Materials
A. General: Add item 5 as follows:
“5. Allowable plant species in Cedar Rapids can be found at the City of Cedar Rapids Parks and Recreation - Forestry Department or on the City of Cedar Rapids Parks and Recreation- Forestry Department website.”

3.01 Allowable Planting Dates
Delete Items A. Evergreen Plants and B. Deciduous Plants and replace with the following:
“A. Evergreen Plants: September 15 to November 15 and prior to June 1, but not after candles exceed 1 inch.”
B. Deciduous Plants (Balled and Burlapped and Container): September 15 to November 15 and prior to June 1.”

3.10 Pruning
B. Deciduous Trees: Delete Items 1-3 and replace with the following:
“1. Prune broken, damaged, or otherwise defective branches. Eliminate competing leaders.
2. Prune to develop an upright leader that will promote the symmetry of the tree.”

D. Deciduous Shrubs: Delete item and replace with the following:
“D. Deciduous Shrubs: Remove dead or broken branches.”

3.12 Establishment and Warranty Periods and Acceptance
C. Maintenance: Delete item 1.
D. Plant Condition: Delete item and replace with the following:
“D. Plant Condition: Ensure all plants are in a live, healthy, vigorous, and growing condition with canopy density and color representative of the species at the date of
acceptance of the installation by the Engineer, at the end of the plant establishment period and at the end of the warranty period.”

ADD New Section CR-9935 Protection of Trees

Section 9040 Erosion and Sediment Control

1.08 Measurement and Payment

A. Stormwater Pollution Prevention Plan (SWPPP)

1. Preparation: Delete Item c. and replace with the following:

“c. Includes: Lump sum price includes, but is not limited to, development of a SWPPP by the Contractor meeting local and state agency requirements.”

2. Management: Delete Item c. and replace with the following:

“c. Includes: Lump sum price includes all work required to comply with the administrative provisions of the Iowa DNR NPDES General Permit No.2; including record keeping, documentation, and updating the SWPPP. Item also includes weekly inspections required to satisfy the requirements of General Permit No. 2, unless otherwise specified in the contract documents.

3.01 SWPPP Preparation: Delete items D. and E.

3.02 SWPPP Management: Delete item G.

DIVISION 10 - Demolition

Section 10,010 Demolition of Building Structures

1.07 Special Requirements

Add Item C.1 as follows: “1. Notify Linn County Public Health Department prior to plugging abandoned wells.

Add Item C.2 as follows: “2. Notify Linn County Public Health Department of septic tank abandonment for inspection and recording.”

2.04 Well Plugging: Delete this section.

3.02 Utility Disconnections

A. Sanitary Sewer: Delete this section and replace with the following:

“A. Sanitary Sewer:

1. Prior to the demolition of any structure, the sanitary sewer service serving it shall be temporarily plugged with a friction-type plug or cap to prevent storm water and debris from entering the line during demolition prior to the construction of the permanent plug.

2. The sanitary sewer service shall be cut off at the sanitary sewer main and shall be tightly and permanently sealed with a plug of mortar. “

B. Water Service: Delete this section and replace with the following:

“B. Water Service: Disconnect all water service connections at the main in accordance with Cedar Rapids Municipal Code, Chapter 12. Coordinate a minimum of 48 hours in advance with the Water Meter Shop (319-286-5930) to schedule inspection.
NOTE: Some water service disconnections will require the water main to be shutdown, requiring notice to affected customers. Inspection is required.”

C. Storm Sewer: Delete this section and replace with the following:
“C. Storm Sewer: Disconnect all sump pump and area drain connections to the storm sewer at the back of curb. Permanently seal the branch of the sewer with a plug of mortar.”

3.06 Well Pugging and Abandonment
Add to item the following: “Contact Linn County Public Health Department prior to abandonment and plugging wells for procedural and recording requirements.”

Delete the following sections:
A. Plugging Procedures, All Wells
B. Plugging Procedures, Class 1 Wells
C. Plugging Procedures, Class 2 Wells

DIVISION 11 Miscellaneous
Section 11,010 Construction Survey
1.03 Submittals, A. Documentation: Add the following:
“4. Location and Examination: After award of the contract and prior to the preconstruction meeting, the Contractor shall locate and examine the survey control points noted in the contract documents. The Contractor shall provide a signed statement to the Engineer regarding the sufficiency of the control points for construction survey.

After award of the contract and prior to the preconstruction meeting, the Contractor shall locate and determine conditions where new construction will match existing features and determine the location and elevation of said features. The Contractor shall provide a signed statement to the Engineer regarding the accuracy and sufficiency of locations and elevations of existing features as noted in the contract documents for use in construction survey.

Failure to provide these statements may result in delays in the commencement of construction. The Contractor will have no claim for damages or extension of time for these delays. “

1.07 Special Requirements: Add Item E. as follows:
“E. For usage of electronic files refer to Division 1, Section 1040 1.05.”

1.08 Measurement and Payment
A. Construction Survey: Add to item 3, Includes:, the following:
“Also includes verification of control points and existing feature locations and elevations and submittals per Section 11,010 1.03.”
Division 3- Trench and Trenchless Excavation
  CR 3010.101 Trench Bedding and Backfill Zones (delete SW 101 Fig.3010.101)

Division 4- Sewers and Drains
  CR 4010.990 Sewer Abandonment Plug
  CR 4040.231 Subdrains (delete 4040.231)

Division 5- Water Mains and Appurtenances
SUDAS 5010.101 Thrust Blocks
  CR 5010.102 Tracer System
  CR 5010.901 Minimum Clearance Between Water Service and Structure (delete 5010.901)
  CR 5010.990 Restraining Methods
  CR 5010.991 Restraining Rod Requirements
  CR 5010.992 Water Stop Box in Pavement
  CR 5020.991 Temporary Dead End Water Mains
  CR 5020.992 Concrete Blocking for Fixtures
  CR 5020.993 Hydrant Set Detail
  CR 5020.994 Round Way Connection Main
  CR 5020.995 Valve Box Installation >10 FT. Deep
  CR 5020.996 Air Release Detail
  CR 5020.997 Blow Off Detail
  CR 5020.998 Typical Residential Service Line
  CR 5910.101: Single Horizontal Anode Installation
  CR 5910.102: Single Vertical Anode Installation
  CR 5910.103: Continuity Bonding across Ductile Iron Pipe Joint
  CR 5910.104: Continuity Bonding across Vertical Gate Valve
  CR 5910.105: Continuity Bonding across Butterfly Valve or Horizontal Gate Valve
  CR 5910.106: Insulated Rubber & Tape Butt Splice - Sacrificial Anode Cable Connections
  CR 5910.107: Insulated Rubber & Tape Wye Splice - Sacrificial Anode Cable Connections
  CR 5910.108: Exothermic Weld Procedure for Ferrous Pipe Material (Horizontal Only)
  CR 5910.109: Anode Test Station Installation (Red Cap)
  CR 5910.110: Anode Test Station -Terminal Board Connection Details
  CR 5910.111: Casing Test Station Installation (Blue Cap)
  CR 5910.112: Casing Test Station – Terminal Board Connection Details
  CR 5910.113: Potential Test Station Installation (Green Cap)
  CR 5910.114: Potential Test Station - Terminal Board Connection Details
  CR 5910.115: Foreign Crossing (over watermain) Test Station Installation (White Cap)
  CR 5910.116: Foreign Crossing (under watermain) Test Station Installation (White Cap)
  CR 5910.117: Foreign Test Station - Terminal Board Connection Details
  CR 5910.118: Isolation Test Station Installation (Orange Cap)
  CR 5910.119: Isolation Test Station - Terminal Board Connection Details
CR 5910.120: Isolation Test Station Installation at Tapping Sleeve (Orange Cap)
CR 5910.121: Flush-Mounted Enclosure for Test Station Terminal Board & Wires
CR 5910.122: Post Type Test Station for Terminal Board & Wires
CR 5910.123: Electrical Continuity Test Procedure for Cable-Bonded Pipe Joints
CR 5910.124: Flange Isolation Kit-Sizing Data for Manufacturer’s Fabrication
CR 5910.125: PVC Pipe Insert for Pipe Diameter from 4” – 24”
CR 5910.126: HDPE Pipe Insert for Pipe Diameter up to 30”
CR 5910.127: Isolation (Ball Type) Corporation Stop
CR 5910.128: Isolation Service Fitting (Copper Flare) for ¾” to 2” Pipe
CR 5910.129: Electrical Isolation Devices for Metallic Casing Sleeves
CR 5910.130: Electrical Isolation at Pipe Entry with Reinforced Concrete Wall

DIVISION 6 – Structures for Storm and Sanitary Sewer
CR 6010.990 Sanitary Manhole Over Existing Sewer – Alternative Method
CR 6010.991 Sanitary Sewer Connection to Existing Manhole
CR 6010.992 Internal Drop Connection for Sanitary Sewer Manhole
CR 6010.993 Internal Service Drop

DIVISION 7 – STREETS AND RELATED WORK
CR 7010.103 Manhole Boxouts in PCC Pavement (delete PV 103 Fig. 7010.103)
CR 7020.201 Manhole Boxouts in HMA Pavement & HMA Overlays (delete PV 201 Fig. 7020.201)
CR 7030.101 Concrete Driveway, Type A (delete 7030.101)
CR 7030.102 Concrete Driveway, Type B (delete 7030.102)
CR 7030.104 Right-of-way Grading (delete 7030.104)
CR 7030.201 Classes of Sidewalk (delete 7030.201)
CR 7030.204 General Features of an Accessible Sidewalk (delete 7030.204)
CR 7030.205 General Sidewalk and Curb Ramp Details (delete 7030.205)
CR 7030.206 Curb Ramps Outside of Intersection Radius (delete 7030.206)
CR 7030.207 Curb Ramps for Class B or C Sidewalk (delete 7030.207)
CR 7030.208 Alternative Curb Ramp for Class B or C Sidewalk (delete 7030.208)
CR 7030.209 Curb Ramps for Class A Sidewalk (delete 7030.209)
CR 7030.990 Accessible Sidewalk Curb Cut
CR 7910.101 Decorative Brick Pavers

DIVISION 8 – TRAFFIC CONTROL
CR 8010.102 Traffic Signal Pole Foundation
SUDAS 8010.104 Inductive Loop Vehicle Detectors
CR 8010.105 Mast Arm Pole Details
SUDAS 8010.107 Wood Post Span Assembly
CR 8010.990 Controller Cabinet Footing
CR 8010.991 Push Button Pedestal Pole and Placement Details
CR 8010.992 Video Detector Mounting Detail
CR 8010.993 Traffic Handhole
DIVISION 9 – SITE WORK AND LANDSCAPING
   CR 9030.990 Planting in Medians and Islands
   CR 9030.991 Special Use Planting Detail
   CR 9935.101 Tree Protection Fencing
   CR 9935.102 Utility Bore and Trench in Tree Root Zone
   CR 9040.990 Silt Fence Sediment Barrier at Area Intake
   CR 9060.101 Chain Link Fence (delete 9060.101)

DIVISION 10 – DEMOLITION
   Delete 10010.01 Details for Plugging Wells

DIVISION 11- MISCELLANEOUS
   CR 11030.990 Mailbox Installation