

SECTION 01000
SPECIAL PROVISIONS

The Cedar Rapids Metropolitan Area Standard Specifications and Details are applicable to this project. The purpose of this section is to revise, identify, add, and/or clarify conditions relating to specific bid items on this project.

Modify Cedar Rapids Metro Area Standard Specifications for Public Improvement as follows:

SECTION 00700 - GENERAL CONDITIONS

ADD Article 2 Preliminary Matters

2.03 – Commencement of Contract Times; Notice to Proceed

- G. The Contractor shall complete the contract on or before the date corresponding with the specified calendar days. The Contractor may begin construction activities as soon as bond and insurance are approved by the City. Calendar days shall begin the first day the Contractor begins construction activities or the late start day whichever is sooner.

ADD Article 4 Availability of Lands; Subsurface & Physical Conditions; Reference Points

4.07 – Historical and Archaeological Audits

- A. If, during the course of construction, evidence of deposits of historical or archaeological interest is found, the Contractor shall cease operations affecting the find and shall notify the owner who shall notify the Director of Historic Preservation Office, State Historic Department, East 12th and Grand, Des Moines, Iowa 50319. No further disturbance of the deposits shall ensue until the Contractor has been notified by the Owner that they may proceed. The Owner will issue a notice to proceed only after the state official has surveyed the find and made a determination to the Department of Natural Resources and the Owner. Compensation to the Contractor, if any, for lost time or changes in construction to avoid the find, shall be determined in accordance with ARTICLE 12 – CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES provisions of the specifications.

REPLACE Article 6 Contractor's Responsibilities

6.02 – Labor; Working Hours

- C. Except as otherwise required for safety or protection or persons of the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, and as subject to local ordinance, all Work at the Site shall be performed during regular working hours.

1. Contractor shall receive Owner's written consent for all Saturday, Sunday and legal holiday work. All requests for Saturday, Sunday and legal holiday work shall be made in writing by the Contractor 48 hours in advance of the day(s) being requested to work.
2. If a City Inspector is required to be present on the job site on a Saturday, Sunday or legal holiday, the wages for the Resident Project Representative will be deducted from the Contractor's progress payments.
3. If Work and the Resident Project Representative's presence on the job on a Saturday, Sunday or legal holiday is a result of a requirement of the Contract Documents, and not a convenience to the Contractor, the wages for the Resident Project Representative will not be deducted from the Contractor's progress payments.

6.18 – Continuing the Work.

As long as work remains on the project, the Contractor shall remain on the project. If issues exist within a Phase of the project which are beyond the Contractor's control (such as obstructions or utility issues), the City has the option to revise the Contract Phasing and direct the Contractor to work on other "unaffected" Phases or areas of the project as shown within the Contract Documents, at no additional cost to the owner. The Owner may provide additional calendar days to the Contractor based upon relocation efforts and scheduling justification, in accordance with 0800 Supplementary Conditions, SC-18.03.

Once work within a Phase has commenced, the Contractor shall continue work within that Phase until all work within that Phase has been completed. If work within that Phase is not completed and the Contractor removes his "normal" size crew (and/or equipment) from the project without written authorization from the Owner, then the Contractor will be charged a calendar day AND immediately assessed the disincentive rate for each calendar day the Contractor's "normal" size crew and equipment are not working on the project. Disincentives will be assessed at the time of monthly pay applications that cover any period during which the Contractor had unauthorized periods of work stoppages.

REPLACE Article 13

Tests & Inspections; Correction, Removal or Acceptance of Defective Work

13.01 – Notice of Defects.

Prompt notice of all defective Work of which Owner, Engineer or Independent Licensed Architect (ILA) has actual knowledge will be given to Contractor. All defective Work may be rejected, corrected, or accepted as provided in this Article 13.

SECTION 00800 - SUPPLEMENTARY CONDITIONS

REPLACE SC-6.08 Permits

- C. The CONTRACTOR and all SUBCONTRACTORS shall be responsible for compliance with any NPDES Construction General Permit No. 2 acquired for the project. An NPDES Permit will be acquired by the City of Cedar Rapids, prior to bidding, if the project will result in one or more acres of land disturbance. See the Pollution Prevention Plan in the plans for information on CONTRACTOR/SUBCONTRACTOR roles and responsibilities, maintenance procedures and inspection requirements.

ADD SC-18 Road Closure and Working Day Incentive/Disincentive

SC-18.03 Consideration for Extra Work or Delays

- D. If the Contractor finds it impossible for reasons beyond his/her control to complete the work within the contract time as specified, or as extended in accordance with the provisions of this subsection, he may, at any time prior to the expiration of the contract time as extended, make a written request to the City for an extension of time setting forth the reasons which he believes will justify the granting of his/her request. Requests for extension of time on calendar day projects, caused by inclement weather, shall be supported with National Weather Bureau data showing the actual amount of inclement weather exceeded which could normally be expected during the contract period. The Contractor's plea that insufficient time was specified is not a valid reason for extension of time. If the City finds that the work was delayed because of conditions beyond the control and without the fault of the Contractor, he may extend the time for completion in such amount as the conditions justify. The extended time for completion shall then be in full force and effect, the same as though it were the original time for completion.

Requests for extension of time on calendar day projects, caused by precipitation, shall be considered as follows:

Precipitation levels within 10% of the average monthly rainfall over the last ten years, as recorded by the National Weather Service, are considered in the Calendar day allowance for the project. No time extensions will be granted for precipitation levels within this range. If precipitation levels should exceed the stated monthly average (calculated per calendar month), the Contractor may request an extension of one Calendar day for each 10% of precipitation above the contract considered amount (110% of monthly average), rounded up.

Example:

Average 10 year monthly precipitation for June in Cedar Rapids = 4.8 inches

June precipitation levels to be considered for project completion within the original Calendar Day requirement = 4.8 inches * 110% = 5.28 inches = adjusted average

Hypothetical actual June monthly precipitation during the project = 7.0 inches, is 32.5% in excess of the 10 year adjusted average to be anticipated in the initial bid. Contract extension request = 4 Calendar Days.

Requests for time extension in line with these conditions shall be provided to the City in writing within fourteen (14) calendar days following the end of each month. If the Contractor does not notify the City within the fourteen day time frame, no time extensions for said period will be considered.

DELETE SC-18.04 Calendar Day Clarification

SECTION 01025 – MEASUREMENT AND PAYMENT

ADD	01200-01	Traffic Control: the count of Edgewood Road NW/NE lane closure days for the project is not to exceed 10 days.
MODIFY	02000-30	Borrow: paid on a volume basis as measured by the Engineer. The Engineer will determine the pay quantity from weight receipts for material placed. Loading, hauling, placing, compacting, and grading material in accordance with the Contract Documents are considered incidental to this item. Project bid quantity includes a forty-five percent (45%) shrinkage factor.
MODIFY	02600-01	Revetment, Class "E" Rip-Rap: paid on a weight basis as measured by the Engineer. Excavation associated with the installation of the revetment, disposal of the excavated material, and base material are incidental to this item. Placement of the revetment material in accordance with the Contract Documents is incidental. Providing and placing engineering fabric in accordance with the Contract Documents is incidental. Project bid quantity includes a five percent (5%) contingency.
MODIFY	02600-30	Non-Perforated Agricultural Drain Tile: paid on a linear basis, as measured along the pipe centerline by the ENGINEER. Couplings necessary for reconnection with existing agricultural drain tile and anchors are incidental. Agricultural drain tile shall be non-perforated and have a minimum diameter of 8-inches.
MODIFY	02900-01	Imported Topsoil, 4-inch: paid on a volume basis as measured by the ENGINEER. The Engineer will determine the pay quantity from weight receipts for material placed. Use of this item shall be specifically approved by the ENGINEER. Contract quantity is an estimated quantity for bidding purposes only. Payment shall be made only for authorized quantities of imported topsoil furnished and placed. Project bid quantity includes a forty-five percent (45%) shrinkage factor.
ADD	02900-12	Hydroseeding with Liquid Mulch Binder: seeding with reed canarygrass is prohibited. Seed mixture to include full rate application of both Cedar Rapids Metropolitan Area Standard Specification Type 3 Erosion Control Mixture AND Type 5

Stabilizing Crop. Project bid quantity includes a five percent (5%) contingency.

SECTION 02700 – PORTLAND CEMENT CONCRETE PAVEMENT

ADD 3.06 PCC Pavement Sidewalk - General

- D. When tying sidewalk panels together, drill existing sidewalk to a depth of 6". Drill at the halfway depth of the existing sidewalk. Do not drill any closer than 6" to the edge of the existing sidewalk width. Epoxy in the #4 x 12" bar in the existing sidewalk, minimum 3 bars.

MODIFY 3.15 Defective Concrete

- A. Any concrete which in the opinion of the Engineer, Owner or Independent Licensed Architect is or becomes defective before the final acceptance will be repaired or removed and replaced at the discretion of the Engineer, Owner or Independent Licensed Architect without further cost to the Owner. Any concrete found to be defective shall be repaired or removed and replaced within 5 days of being notified by the Engineer, Owner or Independent Licensed Architect.

SECTION 02750 – HOT MIX ASPHALT PAVEMENT

MODIFY 2.02 Bituminous Materials

- A. Performance Grade Asphalt: Performance grade asphalt PG 58-28S, PG 58-28H, PG 58-28V, or PG 58-28E, in accordance with the Iowa DOT Standard Specifications, including Supplemental Specifications.

SECTION 02900 – Seeding

REVISE 02900 2.01 – Topsoil

- C. Imported topsoil material, as needed to make up the final grade and prepare the seedbed shall meet the requirements of paragraphs 2.01 D & E. .

REVISE 02900 3.02 – Seeding Dates

- A. Spring seeding dates for lawn mix shall be from March 15 to June 15. Commencing only when ground temperatures are 45 degrees F. Fall seeding dates for lawn mix shall be from August 1 to October 15.

MODIFY 02900 3.07 – Watering Requirements

- A. After seeding and initial watering, provide water, equipment and labor to completely water all seeded areas every three (3) days unless 0.25-inch or greater rainfall occurs within that three-day period. A minimum of ten (10) waterings is required or until November 15, whichever comes first, at the discretion of the ENGINEER.

ADD 02900 3.12 – Final Acceptance

- C. If weeds or undesirable grasses are present within one (1) year of completed seeding operations the contractor shall apply an approved herbicide to the identified area in accordance with the manufacturer's directions, followed by fertilizer and reseeding and watering.

The contractor shall warrant seeding for one (1) year after final acceptance.

**SECTION 02960
TRAFFIC SIGNS AND POSTS**

PART 1 GENERAL**1.01 - Section Includes**

- A. Traffic Signs
- B. Posts

1.02 - Description Of Work

- A. Traffic Signs – Work involves the furnishing, fabricating, and erecting of traffic signs, including furnishing of the blank, application of reflective sheeting, application of the screened message, and all mounting hardware in accordance with the Contract Documents.
- B. Posts – Work involves the furnishing, fabricating and erecting of posts, including anchors in accordance with the Contract Documents.

PART 2 PRODUCTS**2.01 – Sign Panels**

- A. Signs shall be fabricated from sheet aluminum in accordance with Section 4186.02 A. of the Iowa Department of Transportation Standard Specifications.
- B. Retroreflective Sheeting shall be in accordance with Section 4186.03 of the Iowa Department of Transportation Standard Specifications.
- C. Sign fabrication shall be in accordance with Section 4186.06 of the Iowa Department of Transportation Standard Specifications.
- D. Fastening Accessories shall be in accordance with Section 4186.09 A. of the Iowa Department of Transportation Standard Specifications.

2.02 – Sign Posts

- A. Sign posts shall be Perforated Square Steel Tube (PSST) Posts, 2” square with a 14 gauge wall and 11 feet in length. Steel shall conform to ASTM A1011, Grade 50.

Average minimum yield strength after cold-forming must be 60,000 psi. Must be corner welded, scarfed after welding, then zinc coated after scarfing. Must be coated with a chromate conversion coating and clear organic polymer topcoat. Interior and exterior will be galvanized. Must be made in the United States of America.

2.03 – Anchor Post

- A. Anchor posts shall be 2-1/4” perforated square steel tube with a 12 gauge wall and 48” in length. Steel shall conform to ASTM A1011, Grade 50. Average minimum yield strength after cold-forming must be 60,000 psi. Must be corner welded, scarfed after welding, then zinc coated after scarfing. Must be coated with a chromate conversion coating and clear organic polymer topcoat. Interior and exterior will be galvanized. Must be made in the United States of America.

2.04 – Sign Post Extension

- A. Sign post extensions shall be used to mount street name signs above stop signs. Sign post extensions shall be 1-3/4” perforated square steel tube with a 14 gauge wall and 30” in length. Steel shall conform to ASTM A1011, Grade 50. Average minimum yield strength after cold-forming must be 60,000 psi. Must be corner welded, scarfed after welding, then zinc coated after scarfing. Must be coated with a chromate conversion coating and clear organic polymer topcoat. Interior and exterior will be galvanized. Must be made in the United States of America.

2.05 – Omni-Directional Soil Stabilizing Anchor Sleeve

- A. The Omni-directional soil stabilizing anchor sleeve shall be used for sign assemblies that include a stop sign and street name signs to provide greater wind strength. The sleeves shall slide over the anchor stubs and lineup with the top of the anchor stub. The anchor sleeve square tube shall be 2-1/2” perforated square steel tube with a 12 gauge wall and 18” in length. It shall have four 4” x 12” x 10 gauge triangular wing plates (2-1/2” from the tube top) welded to each tube corner at a 45 degree angle. Steel shall conform to ASTM A1011, Grade 50. Average minimum yield strength after cold-forming must be 60,000 psi. Must be corner welded, scarfed after welding, then zinc coated after scarfing. Must be coated with a chromate conversion coating and clear organic polymer topcoat. The assembly must be galvanized and be made in the United States of America.

2.06 – Medium Corner Bolt

- A. Corner bolts shall be used to secure the connection of the sign post to the anchor post. The bolts shall be 5/16” – 18 grade 2 bend truss head bolts. ASTM A307 with zinc plate to ASTM B633. Must be made in the United States of America.

PART 3 EXECUTION

3.01 – Sign Panels

- A. Signs shall be erected in accordance with Section 2524.03 B.1. of the Iowa Department of Transportation Standard Specifications.

3.02 – Sign Posts

- A. Perforated Square Steel Tube (PSST) Posts and Anchors shall be installed in accordance with Section 2524.03 B.3. of the Iowa Department of Transportation Standard Specifications.