



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 8, 2011

SUBJECT: FAU 9302 (Main Street)  
Project TE-00D8(135)  
Section 06-00045-00-SW (Columbia)  
Monroe County  
Contract No. 97468  
Item 067  
September 23, 2011 Letting  
Addendum (A)

TO PROSPECTIVE BIDDERS:

Due to clarify information necessary to revise the following:

**Proposal – Replaced Index to Special Provisions and pages 2 through 39a of the Special Provisions.**

**Plans – Sheet 18 & 20.**

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

Scott Stitt  
Acting Engineer of Design and Environment

A handwritten signature in cursive script, reading "Ted B. Walschleger" followed by "P.E." in a smaller font.

By: Ted B. Walschleger  
Engineer of Project Development  
and Implementation

**SPECIAL PROVISIONS  
 FAU ROUTE 9302 (MAIN STREET STREETSCAPE)  
 SECTION: 06-00045-00-SW  
 PROJECT: TE-00D8(135)  
 COLUMBIA, ILLINOIS**

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**SPECIAL PROVISIONS**

**FAU ROUTE 9302 (MAIN STREET STREETSCAPE)**

**SECTION: 06-00045-00-SW**

**PROJECT: TE-00D8(135)**

**COLUMBIA, ILLINOIS**

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", Adopted January 1, 2011, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways" and the "Manual of Test Procedures of Materials" in effect on the date of the invitation for bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included herein and the "Standards for Water and Sewer Main Construction in Illinois", Adopted July 2009 which apply to and govern the construction of FAU 9302 (MAIN STREET STREETSCAPE), Section 06-00045-00-SW, Columbia, Illinois, and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

**DESCRIPTION OF WORK**

The proposed reconstruction project is located on Main Street from just west of Cedar Street to just east of Cherry Street in Columbia, Illinois. The project length is 277 feet (0.053 miles).

The work on this project consists of removals, grading, concrete curb, sidewalk, driveway pavement, landscaping, seeding, drainage structures, pavement markings, signage, and all incidental and collateral work necessary to complete the work in the above-described section according to the plans, specifications and special provisions.

**SHOP DRAWINGS**

The Contractor shall submit shop drawings of the following items according to Articles 1042.03(b) and 105.04 of the "Standard Specifications for Road and Bridge Construction":

Landscape Edging	Inlet Special Type 2
Maintenance Enclosure	Decorative Light and Pole – Type SA
Furnish and Install Handrail	Decorative Light and Pole – Type SB
Decorative Sign Post	Decorative Poles – 10 FT
Tree species and supplier	Light Pole, Special (Decorative Ornamental)
Tree Frame and Grate	
Inlet Special Type 1	

Submit shop drawings for review and approval to:

Mr. Ron Williams, City Engineer  
City of Columbia  
208 S. Rapp Avenue  
P.O. Box 467  
Columbia, Illinois 62236-0467

Concurrent with the shop drawing submittal to the City, submit a record of transmittal to the Department. A maximum of two reviews by the Engineer will be provided for each shop drawing submittal. If any additional reviews are required, the Contractor shall pay the Engineer for all costs incurred at an hourly rate of \$150. Payment for additional reviews shall be made directly to the City.

### **PROJECT SCHEDULE**

The Contractor shall submit a detailed schedule of work for approval by the Local Agency according to Article 108.02 of the "Standard Specifications for Road and Bridge Construction".

Construction operations shall not begin before **March 1, 2012**.

### **CONSTRUCTION STAKING**

This work shall consist of construction staking according to Article 105.09 of the "Standard Specifications for Road and Bridge Construction", except as modified herein.

The Contractor shall be responsible for having the finished work conform to the lines, grades, elevations and dimensions called for on the plans. Inspection or checking of the Contractor's layout by the Engineer and the acceptance of all or any part of it shall not relieve the Contractor of his/her responsibility to secure the proper dimensions, grades and elevations of the several parts of the work.

#### **Responsibility of the Local Agency**

- Control points referenced to the survey centerline will be provided at intervals not exceeding 500 feet.
- Bench marks will be established along the project outside of the construction limits lines not exceeding 500-foot intervals horizontally and 10-feet vertically.
- The Local Agency will locate and reference the centerline of all roads and streets. The centerline of entrances and short street intersection returns will not be located or referenced. Locating the centerline of survey will consist of establishing the centerline of surveys at PC's, PT's and POT's at intervals not exceeding 50 feet.

- Proposed right of way limits will be staked at break points and on tangent at intervals not to exceed 100 feet.
- Drainage structures and culverts will be staked by the Local Agency to establish the proposed horizontal and vertical locations for the drainage system.
- Prior to the removal operations, the Local Agency will set stakes at 25-foot intervals along the proposed edge of pavement. At points of curvature, such as at intersections, the stakes will be set at 10-foot intervals and the corner turning radius point will be staked. These points will be used to identify removals and layout the proposed concrete curb.
- The top of curb will be staked at 10-foot intervals for the rain gardens and landscaping planting beds.
- The back of walk will be staked at 25-foot intervals (10-foot on curves) for the sidewalk.
- The Local Agency will accept responsibility for the accuracy of the initial control points and stakes as provided herein. The Contractor shall assume full responsibility for all dimensions and measurements taken or derived by the Contractor from control points or stakes set by the Local Agency. It is not the responsibility of the Local Agency, except as provided herein, to check the correctness of the Contractor's stakes.

#### Responsibility of the Contractor

- The Contractor shall provide written requests for all staking to be provided by the Local Agency. A minimum 48-hour advance notice will be required prior to the commencement of all requested staking activities.
- The Contractor shall establish from the given survey points and bench marks, all additional control points necessary to construct the individual project elements. It is the Contractor's responsibility to tie in centerline control points in order to preserve them during construction operations.
- All work shall be according to normally accepted surveying practices. Field notes shall be kept in standard survey field notebooks and those books shall become the property of the Local Agency at the completion of the project. All notes shall be neat, orderly, and in accepted form.

#### **LOCAL ACCESS**

The contractor shall maintain access to all properties throughout the project limits according to Article 107.09 of the "Standard Specifications for Road and Bridge Construction" except as modified herein.

Modify the first paragraph to read:

The Contractor shall notify the Engineer at least three days in advance of the starting of any construction work which might in any way inconvenience or endanger vehicular and pedestrian traffic, so arrangements may be made, if necessary, for providing suitable detours and/ or access to private properties. The Contractor shall at all times conduct the work in such a manner as to

ensure the least obstruction to vehicular and pedestrian traffic. The convenience of the general public and residents along the highway shall be provided for in an adequate and satisfactory manner. When directed by the Engineer, the Contractor shall provide and maintain an acceptable surface aggregate or wooden catwalk/ ramp for temporary roads and approaches for access to driveways, houses, buildings, or other property abutting the highway or street being improved. If a wooden ramp is constructed, it shall be placed on a 5% slope max. and it shall have handrails if the adjacent drop-off is over 6" high. In no case shall a temporary approach to a building be less than 4'-wide regardless of material.

Modify the last paragraph to delete all references to payment regarding temporary roads and approaches. The first sentence of the last paragraph shall read:

All labor, materials, and equipment required to satisfy the conditions stated herein shall be considered included in the contract bid prices and no extra compensation will be allowed.

Aggregate used as a means of access into the buildings, driveways or other abutting property shall be paid for per ton for AGGREGATE FOR TEMPORARY ACCESS. Wooden catwalk/ramps shall be paid for in the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

### **SEQUENCE OF CONSTRUCTION OPERATIONS**

The Contractor shall conduct his work within the approved Sequence of Construction Operations at all times. The work shall be done in a manner that will minimize the inconvenience to local vehicular and pedestrian traffic.

The Contractor shall conduct his operations to insure local access to all properties throughout the project limits according to the LOCAL ACCESS provision included herein, Article 107.09, Section 701, and Section 703 of the "Standard Specifications for Road and Bridge Construction". If required, Type I, Type II or vertical barricades shall be used to channel traffic from the following locations to the adjoining side streets or private entrances. The number required will be determined by the Engineer during construction.

### **SUGGESTED SEQUENCE**

During construction, the Contractor will be required to maintain access to all properties affected by this work.

The Contractor will not be allowed to begin subsequent construction operations until the preceding work is completed. Subsequent operations should begin as soon as progress on previous operations will allow. The construction sequence shall be compressed as much as possible to minimize the inconvenience to local traffic. The Contractor shall notify the City of Columbia Fire and Police Departments at least 48 hours prior to enacting any road closures.

Unless authorized by the Engineer, the Contractor shall complete the construction in the following suggested sequence:

**STAGE 1:**

In order to maintain pedestrian traffic at all times along this section of Main Street, construction shall be completed in two phases - the right and left side of the road. In Stage 1, the Contractor shall construct the left-side of the road from Station 22+29.88 to Station 25+06.39 to the completion of all hardscape. This includes all removals, earthwork, subbase, concrete curb, concrete pavement, brick pavers, incidental Hot-Mix Asphalt surfacing, sidewalk, rain gardens, other drainage features, signage, and all other work necessary to complete the hardscape including permanent seeding to tie into existing conditions. The Contractor has the option to complete other landscaping features such as tree planting, landscaping areas, and ornamental grass planting at the end of the project.

**STAGE 2:**

Once construction is complete on the left-side of Main Street, construction operations shall begin on the right-side of the road from Station 22+29.88 to Station 25+06.39. Likewise, this includes all removals, earthwork, subbase, concrete curb, concrete pavement, brick pavers, incidental Hot-Mix Asphalt surfacing, sidewalk, rain gardens, other drainage features, signage, and all other work necessary to complete the hardscape in this project.

**STAGE 3:**

The Contractor shall complete all pavement markings, landscaping, permanent seeding, and all other work necessary to complete the project within the project limits.

Appropriate signage will be required to be installed before any construction operations commence.

The Contractor may submit an alternate sequence of operations and traffic control plan that would expedite construction and still maintain traffic control. Any and all changes to these plans must be submitted in writing and approved in advance by the Engineer. No additional compensation will be allowed if alternate plans are approved.

**RESTORATION**

Restoration shall include earth backfill, necessary grading, seeding, mulch and fertilizer for all disturbed areas. Restoration of any area must be completed within 7 days of each concrete section being poured. Pay estimates will not be accepted for areas not considered "restored".

Earth backfill shall be suitable fill free of debris such as rock and roots as accepted by the Engineer.

The seeding requirements shall be class 1 as specified in Section 250 of the "Standard Specifications for Road and Bridge Construction."

Fertilizer shall be applied at the rate of 270 pounds of nutrients per acre as specified in Section 250 of the "Standard Specifications for Road and Bridge Construction."

The mulch requirements shall be as specified in Section 251 of the "Standard Specifications for Road and Bridge Construction." Mulch shall be applied as specified in Method 2, Procedure 2.

This work will not be measured separately for payment, but shall be considered as included in the cost for the various concrete construction items included in the contract and no additional compensation will be allowed.

**TRAFFIC CONTROL PLAN**

Traffic control shall be according to the applicable Sections of the "Standard Specifications for Road and Bridge Construction", the applicable guidelines contained in the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", these special provisions, and all special details and Highway Standards contained herein and on the plans.

At the preconstruction meeting, the Contractor shall furnish the name of the individual in his direct employ who is responsible for the installation and maintenance of the traffic control for this project. If the actual installation and maintenance are to be accomplished by the Subcontractor, consent shall be requested of the Engineer at the time of the preconstruction meeting according to Article 108.01 of the "Standard Specifications for Road and Bridge Construction". This shall not relieve the Contractor of the foregoing requirement for a responsible individual in his direct employ. The City will provide the Contractor the name of its representative who will be responsible for the observation of the Traffic Control Plan.

The Contractor shall furnish, erect, maintain and remove all warning signs, flags, barricades and lights according to Article 107.14 and Sections 701 and 703 of the "Standard Specifications for Road and Bridge Construction", the latest edition of the "Manual of Uniform Traffic Control Devices for Construction and Maintenance Operations" and/or as directed by the Engineer and by Special Provisions.

Articles 107.09 and 107.14 and Sections 701 and 703 of the "Standard Specifications for Road and Bridge Construction" and the following Highway Standards relating to traffic control apply to this contract:

- |        |        |        |        |        |
|--------|--------|--------|--------|--------|
| 701001 | 701006 | 701301 | 701501 | 701801 |
| 701901 | BLR17  |        |        |        |

Main Street shall be kept open to traffic at all times. As approved by the Engineer, short-term, daytime lane closures will be allowed on Main Street when workers are present according to Highway Standard 701501.

Cedar Street and Cherry Street shall be closed to all traffic only during concrete paving operations. For other operations on Cedar Street and Cherry Street short term lane closures will be allowed when workers are present according to Highway Standard 701301.

Sidewalks and crosswalks shall be closed according to Highway Standard 701801

In addition, the following special provision(s) will also govern traffic control for this project:

LOCAL ACCESS  
SEQUENCE OF CONSTRUCTION OPERATIONS  
TRAFFIC CONTROL AND PROTECTION

## **PUBLIC NOTICE**

Each Wednesday, the Contractor shall furnish his schedule for the next week's work. Handbill notices approved by the Engineer shall be delivered to each residence and/or business located within the work zone, at least 24 hours prior to commencing work. Notices shall explain the proposed work and request the resident's forbearance of the inconvenience. All complaints should be addressed to the Contractor. Residents may contact the City of Columbia if their concerns are not resolved satisfactorily by the Contractor.

This work will not be paid for separately, and the cost shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed.

## **EARTH EXCAVATION (SPECIAL)**

Earth Excavation (SPECIAL) shall be completed according to Section 202 of the "Standard Specifications for Road and Bridge Construction." This work shall consist of the excavation and transportation of earth in areas where no sidewalk, driveway, or other existing pavement currently exists. Excavation of unsuitable material within landscaping areas, tree wells, and rain gardens shall also be considered Earth Excavation (SPECIAL).

This work will be paid for at the contract unit price per cubic yard for EARTH EXCAVATION (SPECIAL), measured as specified in Article 202.07 of the "Standard Specifications for Road and Bridge Construction".

**TEMPORARY EROSION CONTROL**

This work shall consist of constructing, maintaining, removing, and disposing of temporary erosion control systems, according to Section 280 of the "Standard Specifications for Road and Bridge Construction", except as modified herein.

Delete the reference to payment of the maintenance of the temporary erosion control items in Article 280.08 of the "Standard Specifications for Road and Bridge Construction".

Maintenance of temporary erosion control systems will not be paid for separately, but shall be included in the contract unit price of the various temporary erosion control items included in the contract, and no additional compensation will be allowed.

**INCIDENTAL HOT-MIX ASPHALT SURFACING**

This work shall consist of the preparation of the base, the application of bituminous priming material and aggregate, and the construction of a hot-mix asphalt (HMA) surface on a prepared base at the locations shown on the plans according to Section 408 the "Standard Specifications for Road and Bridge Construction."

Bituminous prime coat and prime coat aggregate are required, but will not be measured separately for payment.

This work will be paid for at the contract unit price per ton for INCIDENTAL HOT-MIX ASPHALT SURFACING, which price shall include the bituminous priming material and aggregate for covering the prime coat, and no additional compensation will be allowed.

**PORTLAND CEMENT CONCRETE PAVEMENT, 7"**

This work shall consist of constructing a Portland cement concrete pavement according to Section 420 of the "Standard Specifications for Road and Bridge Construction," except as modified herein.

All references to Sections or Articles in this specification shall be understood to mean a specified Section or Article of the "Standard Specifications for Road and Bridge Construction".

Article 420.03(b). A formless paver will not be required.

Article 420.03(c). A mechanical concrete spreader will not be required.

Article 420.03(d). A finishing machine will not be required.

Article 420.03(e). A mechanical longitudinal float will not be required.

Article 420.03(f). A concrete finisher float will not be required.

Article 420.03(h). Power driven finishing machines, including vibratory screeds and truss-type vibratory screeds, which are specifically designed for finishing concrete pavement and meet the approval of the Engineer, will be allowed.

Hand held fogging equipment capable of spraying a uniform application of membrane curing compound and maintaining constant pressure meeting the approval of the Engineer, will be allowed.

Article 420.09(a) (1).Revise this Article as follows:

After the concrete has been struck off, it shall be given the required consolidation by the vibratory method or by other means which will obtain a uniform and satisfactory density throughout the pavement. If the vibratory method is used, the vibrating impulses shall be applied directly to the concrete through an apparatus especially designed for this purpose in a manner that the vibratory impulses are transmitted through the concrete mass with sufficient intensity to consolidate it throughout its entire depth and width. Not more than one pass of the vibratory equipment shall be made through the pavement.

Article 420.09(a) (3).Revise the first sentence of this Article to read as follows:

Vibrating screed. An approved vibrating screed may be used to strike off, consolidate and finish pavement.

Article 420.09(b). Longitudinal Float Hand Method will be permitted if approved by the Engineer.

Article 420.09(e). Type B final finish shall be used throughout the project unless directed otherwise by the Engineer.

Article 420.20. Revise the first paragraph of this Article to read as follows:

Basis of Payment. This work will be paid for at the contract unit price per square yard for PORTLAND CEMENT CONCRETE PAVEMENT, of the thickness specified.

### **TIE BARS & REINFORCEMENT BARS**

This work shall consist of furnishing and placing tie bars and reinforcement bars in concrete pavement and concrete curb according to Sections 420 and 606 of the "Standard Specifications for Road and Bridge Construction", except as modified herein:

All tie bars and reinforcement bars used in Portland cement concrete pavement and concrete curb and gutter shall be epoxy coated.

This work will not be paid for separately, but shall be included in the contract unit price of the various concrete pavement and concrete curb and gutter items for which the tie bars and reinforcement bars are required, and no additional compensation will be allowed.

### **EXPANSION JOINTS**

This work shall consist of constructing expansion joints in concrete pavement, sidewalk, curb, and combination curb and gutter, according to Articles 420.05(d), 424.07 and 606.07 of the "Standard Specifications for Road and Bridge Construction" and Highway Standards 420001, 424001, 606001 and BLR-10, except as modified herein:

Expansion joints shall be ½"-thick preformed closed cell plastic joint filler according to Article 1051.08 of the "Standard Specifications for Road and Bridge Construction" and shall have a "zip-top" designed to receive sealant unless shown otherwise on the plans. Expansion joint filler and backer-rod materials must be non-impregnated type that will not bond with the sealant.

Expansion joints shall be sealed with self-leveling (pour grade), or nonsag (gun) grade urethane sealant. The color of the sealant shall be limestone, unless otherwise approved by the Engineer.

This work will not be paid for separately, but shall be included in the contract unit price of the various concrete items for which the expansion joints are required, and no additional compensation will be allowed.

### **PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH**

This work shall consist of constructing 6-inch thick Portland cement concrete sidewalk at curb ramps according to Section 424 of the "Standard Specifications for Road and Bridge construction" and Highway Standard 424001.

Variable height curbs along Type A ramps and flares along Type B ramps shall be considered part of the "curb ramp" and thus will be measured as PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH. All flares and variable height curbs should be poured monolithically with the ramp.

The curb between the sidewalk and the road will be measured separately as CONCRETE CURB, TYPE B.

Block-outs shall be constructed in the proposed sidewalk for placement of sign posts and mailbox supports as directed by the Engineer. Six-inch diameter PVC sleeves shall be placed at all locations where sign posts will be installed within the limits of proposed sidewalk. The void space between the post and the sleeve shall be filled with Portland cement concrete material.

This work will be paid for at the contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH as specified herein, and no additional compensation will be allowed.

### **DETECTABLE WARNINGS**

This work shall consist of the construction of detectable warning according to Section 424 of the "Standard Specifications for Road and Bridge Construction" and Highway Standard 424001 except as modified herein:

Detectable Warning Panels shall be precast concrete panels, reinforced with stainless steel prestressed tendons. Concrete shall contain a waterproofing admixture and be surface treated with penetrating sealer, incorporating raised, truncated domes. The panels shall be red in color, or as approved by the Engineer; or as approved by the Engineer to be an equal. The panels must be installed as follows:

- A. Temperature affects the setting time and rate of the strength of concrete, standard procedures for storing, mixing, and placing concrete in hot or cold weather are recommended. See ACI 305 "Standards on Hot Weather Concreting," or ACI 306 "Standard on Cold Weather Concreting."
- B. Thickness of concrete under panels shall be increased one (1) inch in depth. Prepare a well drained and properly compacted subgrade. Leave no puddling, standing water, ice, frost, or mud. Before mentioned subgrade and compaction applies.
- C. Position forms for proper grade, slopes and uniform slab thickness. Before mentioned joint placement applies.
- D. The concrete specified shall conform to contract documents with a maximum slump of four (4) inches. Concrete shall be poured and finished to the proper grade and slope prior to tactile panel placements. Concrete thickness shall be increased one (1) inch in depth beneath area receiving warning panels.
- E. Detectable Warning Panels shall be placed as shown in the drawings and as determined by the Engineer. Place warning panels at the bottom of curb ramps and other blended

transitions. Detectable Warning Panels must have visual contrast with adjacent walking surfaces. Install across **full width of ramp** (minimum 48 inches) and set the near edge back zero (0) to six (6) inches from bottom of curb. Provide adequate drainage to prevent the accumulation of water and debris on or at the bottom of the ramp.

- F. Recess panels below finish grade before initial concrete set and level base with wood float to leave an open surface.
- G. Pre-dampen back of panels with potable water. Apply 1/8 inch thickness of 2:1:1 ratio of Portland cement, clean masons sand, and potable water. Work into keyed surface on back of panel with rubber float for 100% surface coverage.
- H. Install Tactile Panels immediately in fresh concrete and lightly tap panels to grade using rubber mallet to insure bond and 100% surface contact with square edges of panels butted tightly together. Base of truncated dome should be flush with surfaces. Tolerance between tactile panels and surrounding surfaces is 1/16 inch maximum. Immediately after placement re-check slope and elevation for proper grade.
- I. Leave a 3/16 inch caulk joint between panels and seal with single component polyurethane sealant.
- J. Finishing surrounding concrete flush with tactile panels. Edge around panels with 1/8 inch radius edger and finish in accordance with project specifications.
- K. Clean concrete residue off of the panels with a damp hydra sponge to ensure a clean appearance.
- L. Fresh concrete surrounding tactile warning panels shall be cured according to ACI 308. Use curing compound meeting ASTM C 309. **PROTECT PANELS WHILE SPRAYING CURING COMPOUND.**

This work will be paid for at the contract unit price per square foot for DETECTABLE WARNINGS as specified herein and no additional compensation will be allowed.

### **PIPE DRAINS, 6"**

This work shall consist of constructing pipe drains at special inlets as shown on the plans. This work shall be done in accordance with Section 601 of the "Standard Specifications for Road and Bridge Construction", except as modified herein:

Article 601.02 "Materials" shall be revised as follows:

For Pipe Drains, 6", Article 601.02 "Materials" shall be revised to require the use of Perforated Corrugated Polyethylene (PE) Tubing With a Smooth Interior and Corrugated Polyethylene (PE) Tubing With a Smooth Interior as specified in Article 1040.04(a) of the "Standard Specifications for Road and Bridge Construction". No other pipe material will be allowed.

This work will be paid for at the contract unit price per foot for PIPE DRAINS, of the diameter specified, measured as specified in Article 601.07 of the "Standard Specifications for Road and Bridge Construction".

### **VALVE & METER VAULTS TO BE ADJUSTED**

This work shall consist of adjusting domestic water and gas meter/ shut-off valve vaults to grade according to Section 602 of the "Standard Specifications for Road and Bridge Construction".

Existing material shall be reused where possible as directed by the Engineer. However, the Engineer may require new material to adjust the vault to the proposed grade.

All work required to adjust the vaults to finished grade – including material, equipment, and labor - shall be included in the contract unit price per each for METER VAULTS TO BE ADJUSTED and per each for VALVE VAULTS TO BE ADJUSTED, and no additional compensation will be allowed.

### **CONCRETE CURB, TYPE B**

This work shall consist of constructing concrete curb according to Section 606 of the "Standard Specifications for Road and Bridge Construction".

If the contractors operations require a portion of the road to be removed to construct concrete curb, it shall be replaced according to the detail shown in the plans. If required, the contractor shall restore the roadway pavement with a variable width section of 10"-thick concrete base course according to Section 354 of the "Standard Specifications for Road and Bridge Construction". The base course and the curb shall be poured monolithically.

Tie bars shall be used between the existing pavement and the Portland cement concrete base course. Materials shall be according to Article 1006.11 of the "Standard Specifications for Road and Bridge Construction".

Also, any incidental hot-mix asphalt surfacing required to restore the roadway pavement shall be according to Section 408 of the "Standard Specifications for Road and Bridge Construction". It shall be 2" thick and shall be installed flush with the existing road surface to restore the road to its existing conditions.

If the contractors operations require additional pavement removal, all the work in this special provision including excess removal, concrete base course, incidental hot-mix asphalt surfacing, and tie bars shall be included in the contract unit price per foot for CONCRETE CURB, TYPE B, and no additional compensation will be allowed.

### **CONCRETE CURB, TYPE SPECIFIED (SPECIAL)**

This work shall consist of constructing concrete curb along landscaping and rain gardens according to Section 606 of the "Standard Specifications for Road and Bridge Construction" and Highway Standard 606001.

Concrete curb along landscaping and rain gardens shall penetrate to the same depth as the bottom of the subbase for the landscaping and rain gardens. See the details in the plans for general curb heights and depths.

All work and materials involved in constructing curbs along landscaping shall be included in the contract unit price per foot for CONCRETE CURB (SPECIAL) and all work and materials involved in constructing curbs along rain gardens shall be included in the contract unit price per foot for CONCRETE CURB, TYPE B (SPECIAL) and no additional compensation will be allowed.

### **CONDUIT PUSHED, PVC CONDUIT**

This item consists of furnishing and installing coilable nonmetallic conduit per Article 810.02 of the Standard Specifications, under an existing roadway, driveway, or sidewalk per applicable portions of Section 810 of the "Standard Specifications for Road and Bridge Construction".

The method used to install coilable nonmetallic conduit shall be as follows:

1. A 2" (50 mm) diameter or larger, solid steel rod shall be pushed under the existing roadway, driveway or sidewalk.
2. The specified size of conduit shall be attached to the rod via an expander/adapter.
3. The coilable nonmetallic conduit shall be pulled into place.

In the event that a conduit run cannot be installed with three sincere attempts, as determined by the Engineer, compensation for the proposed conduit run shall be as follows:

1. The Department will delete the contract specified method of payment for the subject conduit run.
2. The Department will pay for the installation of the conduit run and the three unsuccessful attempts to install the conduit run, under Article 109.04 of the Standard Specifications on the force account basis.
3. The Engineer will determine the method to be utilized to install the conduit run.

This item will be paid for at the contract unit price per foot for CONDUIT PUSHED, PVC of the size specified, which price shall be payment in full for furnishing and installing the conduit and fittings complete.

### **TRAFFIC CONTROL AND PROTECTION, SPECIAL**

This work shall consist of furnishing, installing, maintaining and removing all traffic control devices for traffic control and protection as shown on Highway Standards 701001, 701006, 701301, 701501, 701801, 701901, and BLR 17 included in the plans, according to the TRAFFIC CONTROL PLAN, according to Section 701 of the "Standard Specifications for Road and Bridge Construction", as directed by the Engineer and as specified herein.

Prior to beginning work on the project, the Contractor shall furnish and install barricades and advance warning signs as detailed in the applicable Highway Standards. Barricade placement and sign spacing may be adjusted by the Engineer to suit field conditions.

Throughout the construction period, all material piles, equipment, open excavations or other obstructions or hazards to motorists or pedestrians shall be enclosed by fences or protected by barricades and proper lighting.

Traffic Control Surveillance as described in Article 701.10 of the "Standard Specifications for Road and Bridge Construction" will not be required. Also disregard Articles 701.19(d) and 701.20(g) concerning measurement and payment for Traffic Control Surveillance.

Traffic control and protection according to Highway Standard 701001 will be required for operations more than 15 feet away from the edge of pavement.

Traffic control and protection according to Highway Standard 701006 will be required for operations between 2 feet to 15 feet from the edge of pavement.

Traffic control and protection according to Highway Standard 701301 will be required for short term lane closures.

Traffic control and protection according to Highway Standard 701501 will be required for longer term lane closures.

Traffic control and protection according to Highway Standard 701801 will be required for sidewalk closures on Main Street.

Traffic control and protection according to Highway Standard 701901 will be required for all traffic control devices to be used on this project.

Traffic control and protection according to Highway Standard BLR 17 will be required for all barricade positioning.

Wooden catwalk/ramps may be required at the entrances to the buildings on parcels 04-15-370-010 and 04-15-369-005. The cost of these ramps is included in the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL). See Local Access for more information.

Traffic Control and Protection required for the successful completion of this project will be furnished, installed, maintained, measured and paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL), which price shall include all work as specified herein and all other provisions required by law for the protection and safety of property and individuals in a construction zone, and no additional compensation will be allowed.

### **TELESCOPING STEEL SIGN SUPPORT**

This item shall be performed according to Sections 728 and 1006 of the "Standard Specification for Road and Bridge Construction," except as modified herein.

Metal posts shall be either enameled steel or polyester coated steel posts with a high gloss black finish. The application rates of Sections 1006.29(b)(4) and 1006.29(b)(5) shall apply.

This work will be measured according to Article 728.05 of the "Standard Specifications for Road and Bridge Construction".

This work will be paid for at the contract unit price per foot for TELESCOPING STEEL SIGN SUPPORT.

### **TREES, TYPE SPECIFIED**

This work shall consist of planting trees according to Section 253 of the "Standard Specifications for Road and Bridge Construction" and of type and size specified according to details found in the plans.

This work will be paid for at the contract unit price per each TREE, type and size specified as specified herein, and no additional compensation will be allowed.

### **PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT**

This work shall consist of furnishing, transporting, placing, planting and backfilling perennial plants as shown in the plans and as indicated herein.

Plants shall be one-gallon container plants - (*Juncus effusus* L.) commonly known as Common Rush - meeting the current American Standards for Nursery Stock as per Article 1081.02 (b) of

the Illinois Department of Transportation's "Standard Specification for Road and Bridge Construction". They shall be planted 2.5'-3' apart, center to center in a diamond pattern.

This work shall be paid for at the contract unit price per unit of PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT, of the type specified, and no additional compensation will be allowed.

### **SHREDDED BARK MULCH 3"**

This work shall consist of furnishing, transporting, and spreading hardwood mulch according to Section 251 of the "Standard Specifications for Road and Bridge Construction".

Mulch for planting shall consist of shredded tree bark according to Article 1081.06 (b). The mulch shall be triple shredded wood mulch (1" minus in size) from virgin hardwood, deciduous trees free of dirt and debris – dark brown in color.

This work will be paid for at the contract unit price per square yard for SHREDDED BARK MULCH 3" as specified herein, and no additional compensation will be allowed.

### **LANDSCAPE EDGING**

This work shall consist of furnishing, transporting, placing, and backfilling landscaping edging along landscaping areas as shown in the plans.

Material for landscape edging shall consist of commercial grade steel with a black powder coat finish. The steel shall be 3.4 mm thick (10 gauge) x 4-inches deep. 12-inch deep, 10 gauge tapered metal stakes shall be placed at 2.5-foot maximum spacing along the installation.

This work will be paid for at the contract unit price per foot for LANDSCAPE EDGING as specified herein, and no additional compensation will be allowed.

### **LANDSCAPING GRAVEL**

This work shall consist of furnishing, transporting, and spreading landscaping gravel in rain gardens at the locations shown in the plans according to Section 402 of the "Standard Specifications for Road and Bridge Construction".

Landscaping gravel shall consist of large rose rock. The layer shall be three inches thick on top of the soil planting mixture.

This work will be paid for at the contract unit price per square yard for LANDSCAPING GRAVEL as specified herein, and no additional compensation will be allowed.

### **REMOVE AND RELOCATE FLAGPOLE**

This work shall consist of removing the existing flagpole, replacing damaged components, and re-erecting the pole at the location specified in the plans.

The Contractor shall inform the City of Columbia in writing 48 hours prior to removing the pole, to insure the flag is removed and stored in the proper manor. The pole shall be carefully removed as to not damage, and stored in a safe location until it can be reinstalled at its new location. The existing concrete foundation shall be removed from the pole prior to reinstallation and a new 3-foot deep by 2-foot diameter foundation shall be poured at the flagpole base. The pole shall be set plum and shall be braced to the satisfaction of the Engineer while the concrete foundation is setting. Any damage to the pole will result in complete replacement at the cost of the Contractor.

Concrete for the flagpole foundation shall be class SI according to Section 1020 of the "Standard Specifications for Road and Bridge Construction". The cost to remove and install the concrete foundation shall be included in the cost to REMOVE AND RELOCATE FLAGPOLE.

This work shall be included in the contract unit price per each for REMOVE AND RELOCATE FLAGPOLE, and no additional compensation will be allowed.

### **MASONRY CLEANING AND TUCKPOINTING**

This work shall consist of cleaning and tuckpointing the brick along the fountain wall as indicated herein.

Clean the existing brick prior to pointing by spraying a solution of mold, mildew, and algae remover consisting of 2 cups of tetrasodium polyphosphate, 5 quarts of 5 percent sodium hypochlorite (bleach), and 15 quarts of hot water for every 5 gal. of solution required. Wet the masonry with cold water applied by low-pressure spray. Apply mold, mildew, and algae remover by brush or low-pressure spray. Scrub the masonry with medium-soft brushes until the mold, mildew, and algae can be removed by rinsing with cold water.

Rake out the joints where mortar is missing or where it contains holes, cracked joints where cracks can be penetrated at least ¼-inch by a knife blade, cracked joints where cracks are 1/8-inch wide, joints that are worn back ¼-inch or more from the surface, joints where the mortar can be easily removed by hand, and joints that have been filled with substances other than mortar.

Mortar shall consist of 1 part Portland cement, 2 parts lime, 6 parts sand, and shall include mortar pigments to produce a matching color.

Apply pointing mortar first to areas where existing mortar was removed to depths greater than surrounding areas. Apply in layers not greater than 3/8-inch until a uniform depth is formed. Fully compact each layer thouroughly and allow it to become thumbprint hard before applying the

next layer. After low areas have been filled, point all joints by placing mortar in layers not greater than 3/8-inch thick. When mortar is thumbprint hard, tool joints to match original appearance of joints. Cure the mortar by maintaining it in a damp condition for at least 72 consecutive hours.

After mortar has fully hardened, thoroughly clean exposed masonry surfaces of excess mortar and foreign matter; use wood scrapers, stiff-nylon or -fiber brushes, and clean water, spray applied at low pressure.

This work shall be included in the contract unit price per square yard for MASONRY CLEANING AND TUCKPOINTING, and no additional compensation will be allowed.

### **MAINTENANCE ENCLOSURE**

This work shall consist of providing all the material and labor to construct a maintenance enclosure for electrical panels as shown in the plans. This work shall generally consist of removing the existing asphalt, constructing a concrete foundation, placing an 8" CMU block wall – grouted solid with reinforcement, placing a brick veneer, placing a precast concrete coping with flashing, and constructing a concrete slab inside the enclosure.

The concrete foundation and slab shall be constructed according to Section 503 of the "Standard Specifications for Road and Bridge Construction".

The CMU wall shall consist of smooth wall, normal weight structural unit masonry that develops 2,150 psi net-area compressive strengths at 28 days according to ASTM C 1314.

Type N mortar shall consist of 1 part Portland cement, 2 parts lime, 6 parts sand, and shall be gray in color for the CMU wall and shall match City Hall for the face brick. Hydrated lime shall be Type S according to ASTM C 207. Mortar cement shall be according to ASTM C 1329, and aggregate for mortar shall be according to ASTM C 144.

Grout for unit masonry shall comply with ASTM C 476. Provide grout with a slump of 8 to 11 inches as measured according to ASTM C 143. Aggregate for grout shall be according to ASTM C 404.

All ties and anchors shall be hot-dip galvanized in accordance with ASTM A 82/A 82M with ASTM A 153/A 153M, Class B-2 coating.

Provide 0.016-inch thick, stainless steel metal flashing complying with ASTM A 240/A 240M, Type 304 and with SMACNA's "Architectural Sheet Metal Manual". Use the flashing manufacturer's standard products or products recommended by flashing manufacturer for bonding flashing sheets to each other and to substrates.

Architectural precast concrete coping shall be constructed with Type 1 Portland cement concrete according to ASTM C150 using normal weight aggregates according to ASTM C 33. It should develop a compressive strength of 5,000 psi at 28 days according to ASTM C 1314.

Face brick shall be 3-1/2 inches wide by 2-1/4 inches high by 7-1/2 inches long and shall comply with ASTM C 216 and shall be rated as "not effloresced". Surface coating shall be able to withstand 50 cycles of freezing and thawing per ASTM C 67 with no observable difference in the applied finish. The texture and color shall be blended to match existing City Hall.

Joint sealant should be a silicone based exterior grade caulking as approved by the Engineer.

Prior to commencement of manufacture, the contractor shall submit a brick band showing proposed color and texture, mortar samples showing color, a CMU wall sample, and a precast concrete coping sample showing color and shape.

Erect units level, plumb, square and true to the satisfaction of the Engineer within accepted tolerance. Align and maintain uniform horizontal and vertical joints as erection progresses. Tolerances: joint width +/- 3/16-inch and unit alignment +/- 1/4 inch in 10 feet.

Provide joint sealant at all joints which are to be left exposed.

Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint thicknesses and for accurate location of openings, movement-type joints, returns, and offsets. Avoid using less-than-half-size units, particularly at corners, jambs, and, where possible, at other locations.

Lay concealed masonry with all units in a wythe in running bond or bonded by lapping not less than 4-inches. Bond and interlock each course of each wythe at corners. Do not use units with less than nominal 4-inch horizontal face dimensions at corners or jambs.

If required to stop or resume work, stop work by racking back units in each course from those in course below; do not tooth. When resuming work, clean masonry surfaces that are to receive mortar before laying fresh masonry.

Lay CMU units with face shells fully bedded in mortar and with head joints of depth equal to bed joints and with webs fully bedded in mortar in grouted masonry, including starting course on footings. Lay solid masonry units with completely filled bed and head joints; butter ends with sufficient mortar to fill head joints and shove into place. Do not deeply furrow bed joints or slush head joints. Set cast-stone trim units in full bed of mortar with full vertical joints. Fill dowel, anchor, and similar holes. Tool exposed joints slightly concave when thumbprint hard, using a jointer larger than joint thickness unless otherwise indicated

Lay face brick wall in a running bond pattern. Do not use brick units with less than nominal 4-inch horizontal face dimensions at corners or jambs.

Anchor masonry veneers to concrete backup with seismic masonry-veneer anchors - locating anchor sections to allow maximum vertical differential movement of ties up and down. Space anchors not more than 18 inches o.c. vertically and 24 inches o.c. horizontally, with not less than 1 anchor for each 2 sq. ft. of wall area. Install additional anchors within 12 inches of openings and at intervals, not exceeding 8 inches, around perimeter.

This item will be paid for at the contract unit price per lump sum for MAINTENANCE ENCLOSURE, which price shall include all work necessary to complete the work included herein and as detailed in the plans, and no additional compensation will be allowed.

### **PAVEMENT IMPRINTING**

This work consists of applying color and a brick pattern stamp to freshly poured concrete to create the appearance of hand laid decorative paving.

Concrete pavement shall consist of Portland Cement Concrete Pavement 7" on top of Subbase granular material 4" and shall be included in the unit price for PORTLAND CEMENT CONCRETE PAVEMENT 7" and SUBBASE GRANULAR MATERIAL 4" respectively.

Pavement imprinting shall be constructed at the locations shown on the plans. Crosswalks shall be colored and textured to replicate the appearance of brick pavers in a running bond pattern. The Contractor shall submit shop drawings, consisting of color and texture samples and manufacturer's specifications of the textured pavement products and construction procedures to the Engineer for approval according to the "Standard Specifications for Road and Bridge Construction." Following the Engineer's approval of the color and texture samples, **the Contractor shall provide a minimum two foot (2') square by four inch (4") thick sample of the textured concrete, constructed by the Contractor, for approval of the coloring and texturing technique.** The cost of this sample will not be paid for separately, but shall be included in the contract unit price for PAVEMENT IMPRINTING.

Pavement imprinting shall consist of a Portland cement concrete, colored with a surface-applied color hardener, stenciled or imprinted for texture. The stain shall be a dry-shake color hardener and shall be one of the following: Scofield "Lithochrome Color Hardener"; Matcrete "Dustone Color Hardener"; or Brickform "Color Hardener". The "mortar joints" in the brick pattern shall remain the same color as the non-pigmented concrete. Application of the hardener, sealer, and texture shall be in strict accordance with the manufacturer's recommendations.

The pavement imprinting shall be the color **BRICK RED.**

Two way traffic shall be maintained on South Main Street at all times during construction including performing this work in stages as necessary.

After the pavement imprinting has been completed, a 12-inch wide polyurea stripe shall be installed on both sides of the crosswalk per the "Pavement Imprinting Detail" located in the plans. Work and material for such striping shall be included in the unit contract price for POLYUREA PAVEMENT MARKING TYPE I – LINE 12".

This item will be paid for at the contract unit price per square yard for PAVEMENT IMPRINTING, which price shall include all work - including all stamping and coloring necessary to successfully color and texture the crosswalk, and no additional compensation will be allowed.

### **DECORATIVE SIGN POST**

This item shall consist of furnishing and installing ornamental sign post according to Sections 729 and 1006 of the "Standard Specification for Road and Bridge Construction," except as modified herein.

Decorative posts shall be either enameled steel or polyester coated ALUMINUM posts according to the details in the plans. They shall be have a black finish. The application rates of Sections 1006.29(b)(4) and 1006.29(b)(5) shall apply.

Change the method of measurement shown in Article 729.04 of the "Standard Specifications for Road and Bridge Construction" from "per foot" to "each".

Concrete for the sign foundation shall be class SI according to Section 1020 of the "Standard Specifications for Road and Bridge Construction". The cost to pour the foundation shall be included in the cost for DECORATIVE SIGN POST.

This work will be paid for at the contract unit price per each for DECORATIVE SIGN POST, and no additional compensation will be allowed.

### **TREE FRAME AND GRATE**

This item consists of furnishing and constructing tree frames and grates in the newly constructed sidewalk in locations indicated in the plans.

The tree grate shall be one of the following: Fairweather™ Site Furnishing & Accessories, Style SP 3660; Neenah, R-8810; or East Jordan Iron Works, Style 8686. The nominal tree grate size shall be 36-inch wide by 60-inch long and shall have a 16-inch tree opening diameter. The grates shall be coated with TGIC powder coating and cured according to the manufacturer's recommendations. The color of the grates shall be "Flat Black". The frames shall also be coated. The grate and its frame shall be constructed according to the details in the plans.

This item will be paid for at the contract unit price per each for TREE FRAME AND GRATES which price shall include all material and work necessary to install the tree frame and grate as detailed in the plans. No additional compensation will be allowed.

### **BRICK PAVERS**

This work shall consist of furnishing, transporting, and placing concrete pavers as indicated herein.

Pavers shall be clay brick units rated for light traffic complying with ASTM C 902. The units shall be 2-1/4 inch thick by 4-inch wide by 8-inch long. The color shall be as selected by the engineer from the manufacturer's red and brown hue color palette

Provide brick without frogs or cores in surfaces exposed to view in the completed Work. Do not use pavers with chips, cracks, voids, discolorations, or other defects that might be visible or cause staining in finished work. Mix pavers from several pallets or cubes, as they are placed, to produce uniform blend of colors and textures. Cut unit pavers with motor-driven masonry saw equipment to provide clean, sharp, unchipped edges. Cut units to provide pattern indicated and to fit adjoining work neatly. Use full units without cutting where possible. Hammer cutting is not acceptable.

The subgrade shall be prepared according to Section 301 of the "Standard Specifications for Road and Bridge Construction". The pavers shall be placed on geotechnical fabric for ground stabilization according to Section 210, aggregate base course according to Section 351, subbase granular material according to Section 311, and a sand setting bed using sand according to Article 1003.01 of the "Standard Specifications for Road and Bridge Construction".

Set pavers with a minimum joint width of 1/16 inch and a maximum of 1/8 inch, being careful not to disturb leveling base. The pavers shall be placed in a running bond pattern. Use string lines to keep straight lines. Do not exceed 1/16-inch unit-to-unit offset from flush (lippage) nor 1/8 inch in 24 inches and 1/4 inch in 10 feet from level, or indicated slope, for finished surface of paving.

Vibrate pavers into leveling course with a low-amplitude plate vibrator capable of a 3500- to 5000-lbf compaction force at 80 to 90 Hz. Use vibrator with neoprene mat on face of plate or other means as needed to prevent cracking and chipping of pavers. Perform at least three passes across paving with vibrator.

Spread dry sand and fill joints immediately after vibrating pavers into leveling course. Vibrate pavers and add sand until joints are completely filled, then remove excess sand. Leave a slight surplus of sand on the surface for joint filling.

This item will be paid for at the contract unit price per square foot for BRICK PAVERS which price shall include all material and work necessary to install the pavers as detailed in the plans. No additional compensation will be allowed.

**SIGN PANEL – TYPE 1 (SPECIAL)**

This work shall consist of furnishing and installing the signs specified in the plans and schedules according to Section 720 of the “Standard Specifications for Road and Bridge Construction” and Highway Standards 720001 and 720006.

Signs shall have a white legend with a black background. The lettering shall be 6-inches tall.

This work shall be included in the contract unit price per square foot for SIGN PANEL – TYPE 1 (SPECIAL), and no additional compensation will be allowed.

**ELECTRIC SERVICE INSTALLATION, SPECIAL**

This item shall consist of all material and labor required to install electrical service for street lighting. The installation shall conform to the details shown in the plans and Section 804 of the Standard Specifications and as modified herein. The installation shall comply with all federal, state, and local electrical code requirements.

**ELECTRICAL RINGLESS METER MAIN:** NEMA Type 3R rainproof construction, UL listed as “Service Entrance Equipment”. Enclosure shall be constructed of 16 gauge AISI G90 galvanized steel with a baked gray powder polyester paint finish. 4 terminal ringless meter enclosure with heavy duty lever bypass jaw-clamping meter socket, two integral main breakers and anti-inversion clip.

**ELECTRIC PANELBOARDS:** NEMA Type 3R rainproof construction, NEMA PB 1, circuit breaker type. Aluminum panelboard bus, rated as indicated. Provide with copper ground bus in each panelboard. Minimum integrated short circuit rating of 10,000 amperes rms. Fault current information shown on drawings is the available balanced three phase fault current. Provide breakers with the next higher standard setting. Molded case circuit breakers shall be NEMA AB 1, bolt-on type thermal magnetic trip breakers with common trip handle for all poles. Provide type SWD for lighting circuits. Do not use tandem breakers.

**MECHANICALLY HELD LIGHTING CONTACTOR:** NEMA ICS 2, mechanically held magnetic lighting contactor in ANSI/NEMA ICS 6, Type 3R. Provide with coil voltage and poles as indicated on the plan.

**PHOTOCELL:** Description: UV resistant, weatherproof, SPST, 2000 VA, 120 V thermal relay type with a built-in delay to prevent false switching due to momentary flashes of light. Device shall be designed to mount on a standard ½” knockout or ½” conduit. Provide NEMA 4X

enclosure or Form 7 "C" conduit fitting with each photocell. Provide slide/shutter for adjustment. Contact shall be normally closed and shall fail "ON".

8"x8" NEMA 3R WIREWAY: NEMA Type 3R continuous wireway with gasketed screw cover.

ELECTRICAL SERVICE INSTALLATION shall include all conduit, conduit elbows, wireways, wiring, meter enclosures, electric panelboards, contactors, photocells, ground rods, and all other miscellaneous hardware indicated in the details in the plans or otherwise required for installation. This pay item shall include all material and work necessary to sawcut, trench and patch pavement and sidewalks to match adjacent finishes and construct the service installation from the designated utility pole to the conductors serving the street lights. This work shall be paid for at the contract unit price per each for ELECTRICAL SERVICE INSTALLATION, SPECIAL, and no additional compensation will be allowed.

### **BOLLARDS**

This work shall consist of furnishing and installing the pipe bollards specified and detailed in the plans and according to Section 509 of the "Standard Specifications for Road and Bridge Construction". As discussed in Section 509, cleaning and painting shall be according to Section 506. Footings shall be constructed using class SI concrete according to Section 1020.

All work as shown on the detail and specified herein shall be included in the contract unit price per each for BOLLARDS, and no additional compensation will be allowed.

### **CONCRETE STEP REMOVAL**

This item shall consist of removing and disposing of existing concrete steps as shown on the plans and according to Section 440 of the "Standard Specifications for Road and Bridge Construction".

The removal of the existing stairway in its entirety will be measured for payment in units of each at the location designated on the plans.

This work shall be paid for at the contract unit price per each for CONCRETE STEP REMOVAL, no additional compensation will be allowed.

### **INLETS SPECIAL, NUMBER SPECIFIED**

This work shall consist of constructing cast-in-place inlets, together with the necessary cast iron frames and grates as detailed on the plans and according to Section 602 of the "Standard Specifications for Road and Bridge Construction".

The grate shall be a sinusoidal grate from one of the following manufacturers:

1. Neenah R3448-D, Type S
2. East Jordan Iron Works Type M2 grate
3. Olympic Foundry, SM50 TWS DT grate

This work shall be paid for at the contract unit price per each for INLETS SPECIAL, of the number specified, and no additional compensation will be allowed.

### **SOIL PLANTING MIXTURE**

This work shall consist of furnishing, transporting, placing, and backfilling planting mix along landscaping areas as shown in the plans.

Material for planting mix is existing, native surface topsoil; existing, in-place surface soil; imported topsoil; or manufactured topsoil that is modified with soil amendments and perhaps fertilizers to produce a soil mixture best for plant growth.

This work will be paid for at the contract unit price per cubic yard for SOIL PLANTING MIXTURE as specified herein, and no additional compensation will be allowed.

### **DECORATIVE LIGHT AND POLE – TYPE SA**

The lighting shall be according to the applicable articles of Section 830 of the Standard Specifications for Road and Bridge Construction dated January 1, 2007, the National Electric Code, UL, and the following provisions:

The lighting shall be by **King Luminaire with Valmont pole and accessories, Sternberg Lighting with Sternberg Lighting pole and accessories, ANP Lighting with Valmont pole and accessories**. The Contractor shall submit shop drawings, consisting of color and texture samples and manufacture's specifications for installation of the street lighting to the Engineer for approval according to the "Standard Specifications for Road and Bridge Construction."

LUMINAIRES: The luminaire shall be **King Luminaire K823 Series 250W metal halide, Sternberg 1970 Series 250W metal halide, ANP Lighting BVS01-H Series 250W metal halide**. The luminaire shall consist of a cast aluminum body, aluminum reflector and flat glass lens. The fixture shall be equipped with tool-less locking latch for ballast access. The lens shall be gasketed for a weather-tight seal and secured to the luminaire body with a rotary latch for tool-less entry. The top of the fixture shall have a 1 ¼" NPT hub to accept 1 ¼" NPT threaded fitter. Finish shall be a polyester powder coating in **black**. All hardware shall be stainless steel.

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SPECIAL PROVISIONS

FAU ROUTE 9302 (MAIN STREET STREETScape)

SECTION 06-00045-00-SW

COLUMBIA, IL

- BALLASTS:** The ballast shall be UL, CSA and LBKD certified, high power factor (HPF) type ballast with a -30<sup>0</sup>F (-34<sup>0</sup>C) lamp starting capacity, a power factor of 90% or better, a ±5% lamp power regulation and a ±10% input voltage regulation. The ballast shall be factory wired and tested and mounted on a removable plate which is fully integrated into the luminaire. A quick disconnect wiring system shall allow for fast and easy ballast maintenance. Mogul or medium base porcelain sockets shall be 4 kV rated. All electrical components shall be UL listed and labeled.
- FITTER:** The fitter shall be made with aluminum and house all electrical components and allow the luminaire to hang plumb. The fitter shall have a 1 ¼" NPT threaded fitter with stainless steel set screws for luminaire attachment and shall accept a NPT tenon to attach to the bracket arm. Finish shall be a polyester powder coating in **black**.
- BRACKET ARM:** The bracket arm shall be 2" schedule 40 aluminum pipe, cast aluminum arm finial and cast aluminum pole top finial. The arm shall have an NPT internal pipe thread to accept fitter tenon. The arm shall accept a 2" IPS (2-3/8" O.D. x 2 ¾" long pole tenon. Finish shall be a polyester powder coating in **black**. All hardware shall be stainless steel.
- LIGHT POLE:** Light pole shall be a tapered, fluted, spun aluminum pole, nominal 25 feet in height, fabricated of 6063-T4 aluminum tube. The pole shall have a tenon to accept the specified bracket arm and luminaire. Light pole shall have integrated GFCI duplex receptacles with aluminum "in-use" covers finished to match the pole located at 4' and 23'-6" above grade. Light pole shall be **Valmont CQA Series, Sternberg 3300 Series**. Each pole shall be equipped with a flag holder bracket on the street side of the pole, upper and lower breakaway banner arms extending 24" out from the street side of the pole and spaced 48" apart and a cast aluminum anchor base cover. Finish shall be a polyester powder coating in **black**.
- BANNER ARM:** Two 1.5" x .250" wall aluminum hubs shall be integral and welded to the light pole on the street side. The arm is 1" O.D. aluminum tube. The outboard end has a 1-3/8" diameter disk. The arm has a permanent, internally attached stainless steel cable assembly. The cable is passed inside the coupling and the banner arm is attached to the hub with a ¼" thru bolt. If the coupling breaks, the banner and arm remain tethered to the pole. The replaceable coupling is machined aluminum designed to fail before overstressing the pole. Finish shall be a polyester powder coating in **black**.
- FINISHES:** Fixture finish shall consist of cleaning, etching and rinsing followed by a protective chromate primer, deionized water rinse, over dry off and top coated with thermoset TGIC super polyester powder coat finish. The finish shall pass the AAMA 605.02 performance specification, which includes

passing a 3,000-hour salt spray test for corrosion resistance. Color shall be black to match existing lighting.

**WATERPROOF IN-LINE FUSE HOLDER AND FUSES:** Non-break away single or double pole waterproof fuse holder with copper crimp terminals for #10 AWG copper wire. Rated 20A at 250 volts AC minimum. Provide with time delay current-limiting fuse(s), rated 250 volts AC, minimum.

This item of work shall be paid for at the contract unit price per each for DECORATIVE LIGHT AND POLE – TYPE SA, which price shall include all labor and materials, including flag pole bracket, banner arms, integral GFI receptacles and “in-use” covers, lamp, and wiring, necessary to construct the light assembly and no additional compensation will be allowed.

### **DECORATIVE LIGHT AND POLE – TYPE SB**

The lighting shall be according to the applicable articles of Section 830 of the Standard Specifications for Road and Bridge Construction dated January 1, 2007, the National Electric Code, UL, and the following provisions:

The lighting shall be by **King Luminaire with Valmont pole and accessories, Sternberg Lighting with Sternberg Lighting pole and accessories, ANP Lighting with Valmont pole and accessories**. The Contractor shall submit shop drawings, consisting of color and texture samples and manufacture’s specifications for installation of the street lighting to the Engineer for approval according to the "Standard Specifications for Road and Bridge Construction."

**LUMINAIRES:** The luminaire shall be **King Luminaire K823 Series 250W metal halide, Sternberg 1970 Series 250W metal halide, ANP Lighting BVS01-H Series 250W metal halide**. The luminaire shall consist of a cast aluminum body, aluminum reflector and flat glass lens. The fixture shall be equipped with tool-less locking latch for ballast access. The lens shall be gasketed for a weather-tight seal and secured to the luminaire body with a rotary latch for tool-less entry. The top of the fixture shall have a 1 ¼" NPT hub to accept 1 ¼" NPT threaded fitter. Finish shall be a polyester powder coating in **black**. All hardware shall be stainless steel.

**BALLASTS:** The ballast shall be UL, CSA and LBKD certified, high power factor (HPF) type ballast with a -30<sup>0</sup>F (-34<sup>0</sup>C) lamp starting capacity, a power factor of 90% or better, a ±5% lamp power regulation and a ±10% input voltage regulation. The ballast shall be factory wired and tested and mounted on a removable plate which is fully integrated into the luminaire. A quick disconnect wiring system shall allow for fast and easy ballast maintenance. Mogul or medium base porcelain sockets shall be 4 kV rated. All electrical components shall be UL listed and labeled.

SPECIAL PROVISIONS

FAU ROUTE 9302 (MAIN STREET STREETSCAPE)

SECTION 06-00045-00-SW

COLUMBIA, IL

- FITTER:** The fitter shall be made with aluminum and house all electrical components and allow the luminaire to hang plumb. The fitter shall have a 1 ¼" NPT threaded fitter with stainless steel set screws for luminaire attachment and shall accept a NPT tenon to attach to the bracket arm. Finish shall be a polyester powder coating in **black**.
- BRACKET ARM:** The bracket arm shall be 2" schedule 40 aluminum pipe, cast aluminum arm finial and cast aluminum pole top finial. The arm shall have an NPT internal pipe thread to accept fitter tenon. The arm shall accept a 2" IPS (2-3/8" O.D. x 2 ¾" long pole tenon. Finish shall be a polyester powder coating in **black**. All hardware shall be stainless steel.
- LIGHT POLE:** Light pole shall be a tapered, fluted, spun aluminum pole, nominal 25 feet in height, fabricated of 6063-T4 aluminum tube. The pole shall have a tenon to accept the specified bracket arm and luminaire. Light pole shall have integrated GFCI duplex receptacle with aluminum "in-use" cover finished to match the pole located at 23'-6" above grade. Light pole shall be **Valmont CQA Series, Sternberg 3300 Series** or approved equal. Each pole shall be equipped with a flag holder bracket on the street side of the pole, upper and lower breakaway banner arms extending 24" out from the street side of the pole and spaced 48" apart and a cast aluminum anchor base cover. Finish shall be a polyester powder coating in **black**.
- BANNER ARM:** Two 1.5" x .250" wall aluminum hubs shall be integral and welded to the light pole on the street side. The arm is 1" O.D. aluminum tube. The outboard end has a 1-3/8" diameter disk. The arm has a permanent, internally attached stainless steel cable assembly. The cable is passed inside the coupling and the banner arm is attached to the hub with a ¼" thru bolt. If the coupling breaks, the banner and arm remain tethered to the pole. The replaceable coupling is machined aluminum designed to fail before overstressing the pole. Finish shall be a polyester powder coating in **black**.
- FINISHES:** Fixture finish shall consist of cleaning, etching and rinsing followed by a protective chromate primer, deionized water rinse, over dry off and top coated with thermoset TGIC super polyester powder coat finish. The finish shall pass the AAMA 605.02 performance specification, which includes passing a 3,000-hour salt spray test for corrosion resistance. Color shall be black to match existing lighting.
- WATERPROOF IN-LINE FUSE HOLDER AND FUSES:** Non-break away single or double pole waterproof fuse holder with copper crimp terminals for #10 AWG copper wire. Rated 20A at 250 volts AC minimum. Provide with time delay current-limiting fuse(s), rated 250 volts AC, minimum.

This item of work shall be paid for at the contract unit price per each for DECORATIVE LIGHT AND POLE – TYPE SB, which price shall include all labor and materials, including flag pole bracket, banner arms, integral GFI receptacle and “in-use” cover, lamp, and wiring, necessary to construct the light assembly and no additional compensation will be allowed.

### **DECORATIVE POLES – 10 FT (EA)**

The lighting shall be according to the applicable articles of Section 830 of the Standard Specifications for Road and Bridge Construction dated January 1, 2007, the National Electric Code, UL, and the following provisions:

The lighting shall be by **Sternberg Lighting Model Number A850ASR/5PPT/4410FP4/150MH MT MEDIUM/RE5G/ALZAK/1-GFI/IUC/BK** or approved equal. The Contractor shall submit shop drawings, consisting of color and texture samples and manufacture’s specifications for installation of the street lighting to the Engineer for approval according to the "Standard Specifications for Road and Bridge Construction."

**LUMINAIRES:** The luminaire shall be **Sternberg A850SR Series 150W Metal Halide** or approved equal. The luminaire shall consist of a decorative cast aluminum fitter, cast ballast housing assembly, clear acrylic textured acorn globe, an internal glass refractor and alzak disk, and solid aluminum roof with a cast aluminum finial. The fitter shall have a one-piece ring bug gasket to resist insect penetration into the lamp assembly and be welded to the pole top or tenon to ensure the fixture will be plumb, secure and level. Globe shall be attached to the fitter with stainless steel set screws. The ballast housing shall be heavy wall 319 alloy cast aluminum and cast integral to the fitter. The ballast tray shall be cast aluminum with two finger latches for tool-less removal. Finish shall be a polyester powder coating in black.

**BALLASTS:** The ballast shall be UL, CSA and LBKD certified, high power factor (HPF) type ballast with a -30<sup>0</sup>F (-34<sup>0</sup>C) lamp starting capacity, a power factor of 90% or better, a ±5% lamp power regulation and a ±10% input voltage regulation. The ballast shall be factory wired and tested and mounted on a removable plate which is fully integrated into the luminaire. A quick disconnect wiring system shall allow for fast and easy ballast maintenance. Mogul or medium base porcelain sockets shall be 4 kV rated. All electrical components shall be UL listed and labeled.

**FITTER:** The fitter shall be made with 356 grade virgin aluminum and house all electrical components.

**LIGHT POLE:** Light pole shall be a **Sternberg 4400 Series** straight, fluted, extruded aluminum pole with 18” hexagonal cast aluminum base or approved equal. The pole shall be a nominal **10 feet** in height with a tenon to accept the

specified post top luminaire. Light pole shall have integrated GFCI duplex receptacle with aluminum "in-use" cover finished to match the pole located at 1'-10" above grade. The pole assembly will come complete with matching cap and base hardware. The pole will include an access cover near the base. Finish shall be black to match the luminaire.

**FINISHES:** Fixture finish shall consist of cleaning, etching and rinsing followed by a protective chromate primer, deionized water rinse, over dry off and top coated with thermoset TGIC super polyester powder coat finish. The finish shall pass the AAMA 605.02 performance specification, which includes passing a 3,000-hour salt spray test for corrosion resistance. Color shall be black.

**WATERPROOF IN-LINE FUSE HOLDER AND FUSES:** Non-break away single or double pole waterproof fuse holder with copper crimp terminals for #10 AWG copper wire. Rated 20A at 250 volts AC minimum. Provide with time delay current-limiting fuse(s), rated 250 volts AC, minimum.

This item of work shall be paid for at the contract unit price per each for DECORATIVE POLES – 10 FT (EA), which price shall include all labor and materials, including lamp, GFI receptacle and "in-use" cover and wiring, necessary to construct the light assembly and no additional compensation will be allowed.

### **LIGHT POLE, SPECIAL (DECORATIVE ORNAMENTAL) (EA)**

The lighting shall be according to the applicable articles of Section 830 of the Standard Specifications for Road and Bridge Construction dated January 1, 2007, the National Electric Code, UL, and the following provisions:

The lighting shall be by **Sternberg Lighting Model Number A850ASR/5PPT/4410FP4/150MH MT MEDIUM/RE5G/ALZAK/BK** or approved equal. The Contractor shall submit shop drawings, consisting of color and texture samples and manufacture's specifications for installation of the street lighting to the Engineer for approval according to the "Standard Specifications for Road and Bridge Construction."

**LUMINAIRES:** The luminaire shall be **Sternberg A850SR Series 150W Metal Halide** or approved equal. The luminaire shall consist of a decorative cast aluminum fitter, cast ballast housing assembly, clear acrylic textured acorn globe, an internal glass refractor and alzak disk, and solid aluminum roof with a cast aluminum finial. The fitter shall have a one-piece ring bug gasket to resist insect penetration into the lamp assembly and be welded to the pole top or tenon to ensure the fixture will be plumb, secure and level. Globe shall be attached to the fitter with stainless steel set screws. The ballast housing shall be heavy wall 319 alloy cast aluminum and cast integral to the fitter.

The ballast tray shall be cast aluminum with two finger latches for tool-less removal. Finish shall be a polyester powder coating in black.

**BALLASTS:** The ballast shall be UL, CSA and LBKD certified, high power factor (HPF) type ballast with a -30<sup>0</sup>F (-34<sup>0</sup>C) lamp starting capacity, a power factor of 90% or better, a ±5% lamp power regulation and a ±10% input voltage regulation. The ballast shall be factory wired and tested and mounted on a removable plate which is fully integrated into the luminaire. A quick disconnect wiring system shall allow for fast and easy ballast maintenance. Mogul or medium base porcelain sockets shall be 4 kV rated. All electrical components shall be UL listed and labeled.

**FITTER:** The fitter shall be made with 356 grade virgin aluminum and house all electrical components.

**LIGHT POLE:** Light pole shall be a **Sternberg 4400 Series** straight, fluted, extruded aluminum pole with 18" hexagonal cast aluminum base or approved equal. The pole shall be a nominal **10 feet** in height with a tenon to accept the specified post top luminaire. The pole assembly will come complete with matching cap and base hardware. The pole will include an access cover near the base. Finish shall be black to match the luminaire.

**FINISHES:** Fixture finish shall consist of cleaning, etching and rinsing followed by a protective chromate primer, deionized water rinse, over dry off and top coated with thermoset TGIC super polyester powder coat finish. The finish shall pass the AAMA 605.02 performance specification, which includes passing a 3,000-hour salt spray test for corrosion resistance. Color shall be black.

**WATERPROOF IN-LINE FUSE HOLDER AND FUSES:** Non-break away single or double pole waterproof fuse holder with copper crimp terminals for #10 AWG copper wire. Rated 20A at 250 volts AC minimum. Provide with time delay current-limiting fuse(s), rated 250 volts AC, minimum.

This item of work shall be paid for at the contract unit price per each for LIGHT POLE, SPECIAL (DECORATIVE ORNAMENTAL) (EA) , which price shall include all labor and materials, including lamp, and wiring, necessary to construct the light assembly and no additional compensation will be allowed.

**LIGHT POLE FOUNDATION, SPECIAL (FT)**

This item shall consist of all material and labor required to install light pole foundations for street lighting. The installation shall conform to the details shown in the plans and Section 836 of the Standard Specifications and as modified herein. The installation shall comply with all federal, state, and local code requirements.

LIGHT POLE FOUNDATION shall be constructed as indicated in the plans and per the manufacturer's recommendations for fixture types DECOR LT/POLE TYPE – SA and DECOR LT/POLE TYPE - SB. This pay item shall include all material and work necessary to construct the foundation including anchor bolts, reinforcing bars, conduits, ground rods and all other miscellaneous hardware indicated in the details in the plans or otherwise required for installation. This work shall be paid for at the contract unit price per each for LIGHT POLE FOUNDATION, SPECIAL (FT), and no additional compensation will be allowed.

**LIGHT POLE FOUNDATION, SPECIAL (EA)**

This item shall consist of all material and labor required to install light pole foundations for street lighting. The installation shall conform to the details shown in the plans and Section 836 of the Standard Specifications and as modified herein. The installation shall comply with all federal, state, and local code requirements.

LIGHT POLE FOUNDATION shall be constructed as indicated in the plans and per the manufacturer's recommendations for fixture types DEC POLES – 10FT and LT POLE SPL DEC ORN. This pay item shall include all material and work necessary to construct the foundation including anchor bolts, reinforcing bars, conduits, ground rods and all other miscellaneous hardware indicated in the details in the plans or otherwise required for installation. This work shall be paid for at the contract unit price per each for LIGHT POLE FOUNDATION, SPECIAL (EA), and no additional compensation will be allowed.

**STREET LIGHT TURN-ON AND FINAL INSPECTION**

Ensure that all electrical work is complete and ready for testing. All wiring shall be terminated prior to testing. Operate each luminaire after installation and connection. Inspect for improper connections and operation. Clean electrical parts to remove conductive and deleterious materials. Clean finishes and touch up damage. Relamp luminaires which have failed at time of Substantial Completion.

The local agency will begin paying energy consumption charges on the turn-on date. Facility charges will be paid under the contract up to 30 days prior to the turn-on date. However, the Contractor is responsible for payment of any energy consumption charges prior to turn-on. Facility charges prior to turn-on are to be submitted for payment under Article 109.05 of the "Standard Specifications for Road and Bridge Construction" along with the utility company

connection charges in accordance with Section 805. Waiting for electric service to be connected by the utility company will not be a cause to suspend working day charges. However, working days will not be charged while waiting for turn-on if all other contract work is complete including electric service connection.

Subsequent to turn-on a final inspection must be requested a minimum of 7 calendar days prior to the proposed inspection date. The local agency will assume maintenance responsibility, including knockdowns at the time that all deficiencies noted during the final inspection are corrected to the satisfaction of the Engineer. Acceptance of the controller will not be made until the requirements of Section 802 are met.

**STATUS OF UTILITIES TO BE ADJUSTED**

<u>Name &amp; Address of Utility</u>	<u>Type</u>	<u>Location</u>	<u>Estimated Date Adjustment or Relocation To Be Completed</u>
Charter Communications 210 West Division Maryville, IL 62062	Cable TV Lines, and Boxes	Throughout Project	None anticipated.
City of Columbia 110 West Sand Bank Rd Columbia, IL 62236	Water	Throughout Project	Valve/meter, hydrant and service adjustments by City. When required the City will perform this work as coordinated during the project.
City of Columbia 110 West Sand Bank Rd Columbia, IL 62236	Sewer	Throughout Project	None anticipated.
Ameren IP PO Box 428 Belleville, IL 62221	Electric Power Poles and Aerial Cable	Throughout Project	Existing lights will be removed during the project once the contract schedule is confirmed/ coordinated.
Ameren IP PO Box 428 Belleville, IL 62221	Gas	Gas main Throughout Project	Minor service adjustments will be required during construction. This work shall be performed as coordinated during the project.
Harrisonville Telephone Co. 213 South Main Waterloo, IL 62298	Telephone	Aerial cable, junction boxes, and manholes	Minor service adjustments will be required during construction. This work shall be performed as coordinated during the project.

The above represents the best information of the Department or responsible local agency and is only included for the convenience of the Contractor. The applicable provisions of Articles 102.01, 105.07, and 107.20 of the "Standard Specifications for Road and Bridge Construction" shall apply.

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**REQUIRED CONTRACT PROVISIONS  
ALL CONTRACTS**

**PAYROLLS and PROCEDURES**

EFFECTIVE 2/5/1975, REVISED 11/7/1986, 1/14/1994, and June 2001

**The prime contractor and each subcontractor shall submit a weekly certified original and one copy of their company's payroll directly to the District Engineer.**

**Payrolls must be received within seven days of the payroll ending period.**

**Payroll data shall be submitted on Payroll Form RE 48 or an approved facsimile.**

Every person paid by a contractor or subcontractor in any manner for his or her labor in the construction, prosecution, completion, or repair of this public work is **employed** and receiving "wages", regardless of any contractual relationship alleged to exist between him or her and the real employer.

**Payroll data shall include all persons employed on the job site.**

The following employee codes are to be used to identify each individual on the payroll:

- A. **Gender:** M - Male F - Female
- B. **Ethnic Group:** 1 - White 2 - Black 3 - Hispanic  
4 - American Indian/Alaskan Native 5 - Asian/Pacific Islander
- C. **Work Classification:** OF - Officials SU - Supervisors FO - Foremen  
CL - Clerical CA - Carpenters EO - Operators ME - Mechanics  
TD - Truck Drivers IW - Ironworkers PA - Painters CM - Cement Masons  
EL - Electricians PP - Pipefitters TE - Technical LA - Laborers  
OT - Other
- D. **Employee Status:** O - Owner Operator J - Journeyman C - Company  
A - Apprentice T - Trainee

**Payroll data shall be submitted by the prime contractor and each subcontractor for each consecutive week, from the start to the completion of their work.** When there has been no activity during a work week, a payroll is still required to be sent to the District Engineer, with the appropriate box ("No Work", "Suspended", "Completed") checked at the bottom of the Payroll Form RE 48. Do Not check any of these boxes when payroll data is being reported on the payroll.

The Department of Transportation is requesting disclosure of information necessary to accomplish the statutory purpose as outlined under 23CFR part 230 and 41CFR part 60.4 and the Illinois Human Rights Act. Disclosure of this information is REQUIRED. Failure to comply with this special provision may result in the withholding of payments to the contractor, and/or cancellation, termination, or suspension of the contract in whole or part.

Compliance with this Special Provision shall be considered incidental to the cost of the contract and no additional compensation will be allowed for any costs incurred.

This Special Provision must be included in each subcontract agreement.

**Required Contract Provisions  
All Contracts  
Monthly Labor Summary and Activity Reporting System**

Effective: 1-1-1995      Revised June 2001

**I. Monthly Labor Summary Report, Form SBE 148**

The prime contractor and each first and second tier sub-contractor, (hereinafter referred to as "subcontractor") shall submit a certified Monthly Labor Summary Report directly to the District Engineer.

This report is in lieu of submittal of the Monthly Workforce Analysis Report, Form SBE 956.

This report must be received in District Eight no later than the tenth day of the next month.

This Report shall be submitted by the prime contractor and each subcontractor, for each consecutive month, from the start, to the completion of their work on the contract.

The data source for this Report will be a summation of all personnel and hours worked on each subject contract for the month based on weekly payrolls for that month.

The Monthly Labor Summary Report is required to be submitted in one of the following formats:

- a.) For contractors having IDOT contracts valued in the aggregate at \$250,000 or less, the report may be typed or clearly handwritten using Form SBE 148 for submittal to the District Engineer for District Eight.
- b.) For contractors having IDOT contracts valued in the aggregate at more than \$250,000, the report must be submitted in a specific "Fixed Length Comma Delimited ASCII Text File Format". The subject file format is detailed on the next page. Submittal of this file may be by 3.5 inch disk, modem, or by e-mail.

**II. Monthly Contract Activity Report, Form SBE 248**

The prime contractor and each subcontractor shall submit a monthly report directly to the District Engineer, reflecting their contract activity on all Illinois Department of Transportation contracts they have in force in District Eight.

This report shall be submitted for each consecutive month, from the start, to the completion of all contracts in District Eight.

The report must be received in the District Office no later than the tenth day of the next month.

**Monthly Labor Summary and Activity Reporting System Codes and Formats**

Indicated below for your reference are the Employee Codes and File Formats required for this system.

**I.) Monthly Labor Summary Report, Form SBE 148**

The following employee codes are to be used to identify each individual on the Summary Report:

- 1. **Gender:** M - Male F - Female
- 2. **Ethnic Group:** 1 - White 2 - Black 3 - Hispanic  
4 - American Indian/Alaskan Native 5 - Asian/Pacific Islander
- 3. **Work Classification:** OF - Official SU - Supervisor FO - Foremen  
CL - Clerical CA - Carpenter EO - Operator ME - Mechanic  
TD - Truck Driver IW - Ironworker PA - Painter OT - Other  
EL - Electrician PP - Pipefitter TE - Technical LA - Laborer  
CM -Cement Mason
- 4. **Employee Status:** O - Owner Operator J - Journeyman C - Company  
A - Apprentice T - Trainee

**Specific “Fixed Length Comma Delimited ASCII File Format”**

Order	Field Name	Type	Size
1	Contractor Number	A	4
2	Contractor Reference Number	A	6
3	Contract Number	A	5
4	Period (07/28/2000)	D	10
5	SSN (111-11-1111)	A	11
6	Name	A	40
7	Gender	A	1
8	Ethnic Group	A	1
9	Work Classification	A	1
10	Employee Status	A	1
11	Total Hours (0000060.00)	N	10

File Name Conventions: (Contractor Number + Report Month/Year).Txt  
i.e. 20001298.Txt

**II.) Monthly Contract Activity Report, Form SBE 248**

The following activity codes are to be used to identify the contractors contract status each month on the Monthly Activity Report, Form SBE 248:

- A. Contract Status: 1 - Not Started 2 - Active 3 - No Work 4 - Suspended 5- Complete

Failure to comply with this special provision may result in the withholding of payments to the contractor, and/or cancellation, termination, or suspension of the contract in whole or part.

Compliance with this Special Provision shall be considered incidental to the cost of the contract and no additional compensation will be allowed for any costs incurred.

All prime and subcontractors having contracts in the aggregate exceeding \$250,000 must provide a "Fixed Length Comma Delimited ASCII File" for approval prior to the start of construction.

This Special Provision must be included in each subcontract agreement.

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