



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 26, 2010

SUBJECT: FAU Route 9247
(St. Louis Street)
Project M-5011(301)
Section 05-00016-01-PV (Lebanon)
St. Clair County
Contract No 97419
Item 180 A
March 5, 2010 Letting

TO PROSPECTIVE BIDDERS:

To clarify information it is necessary to revise the following:

Proposal- Revised pages 6, 7 and 8 of the Special Provisions.

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.

Since the proposal sheets are printed back to back, bidders are cautioned to exercise care when inserting revised and/or added special provisions into their proposals.

Please call 217-782-7806 if any of the above-described material is not included in this transmittal.

Very truly yours,

Charles J. Ingersoll
Engineer of Design and Environment

A handwritten signature in cursive script, appearing to read 'Ted B. Walschleger', followed by the initials 'P.E.'.

By: Ted B. Walschleger, P. E.
Engineer of Project Management

Section 05-00016-01-PV
St. Louis Street
Lebanon, Illinois

The stone curb shall be removed in such a way as to minimize damage to pieces noted to be salvaged. Salvaged pieces will be noted by the Engineer in the field. Salvaged sections of curb shall be stored on site until such time as they are to be reused in the improvements. Reinstallation of stone curb shall be done according to the special provision REINSTALL SALVAGED STONE CURB as described herein.

All other sections of stone curb not noted to be salvaged shall be removed and properly disposed of off-site at locations provided by the Contractor.

This work will be paid for at the Contract unit price per foot of CURB REMOVAL (SPECIAL) and no additional compensation will be allowed.

PAVEMENT REMOVAL (SPECIAL): This work shall be done according to Section 440 of the Standard Specification for Road and Bridge Construction except as provided herein.

PAVEMENT REMOVAL (SPECIAL) shall consist of complete removal of existing brick pavement in those areas shown on the plans. Removal shall be conducted in such a way as to minimize damage to brick which is to be salvaged. Brick which is to be salvaged shall be kept separate from all other debris and taken off site and placed on City property as directed by the Engineer. This salvaged brick shall remain property of the City of Lebanon. All other rubbish, broken brick and other debris not acceptable for salvaging as a result of the removal operations shall be disposed of by the Contractor at off-site locations provided by the Contractor.

This work will be paid for at the Contract unit price per square yard of PAVEMENT REMOVAL (SPECIAL) and no additional compensation will be allowed.

CONCRETE STEP REMOVAL: This work shall be done according to Section 440 of the Standard Specifications for Road and Bridge Construction. This work shall consist of completely removing concrete steps at the locations shown on the plans and as directed by the Engineer.

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

BRICK SURFACE COURSE: This work consists of constructing a brick surface course as shown on the plans consisting of a mortarless brick pavement with sand filled joints set on a sand bedding mix.

Brick pavers shall be solid, uncored paving brick complying with ASTM C902, latest edition, Class SX, Type I, Application PS, modified as follows:

Section 05-00016-01-PV
St. Louis Street
Lebanon, Illinois

	<u>Average of 5 Brick</u>	<u>Individual</u>
Compressive Strength	10,000 psi	8,800 psi
Cold Water Absorption	6%	7%
Modulus of Rupture	1,500 psi	1,275 psi

All brick pavers shall be 8" x 4" x 2-1/4" thick.

Portland cement concrete for joints shall conform to ASTM C150, Type I.

Sand for joints shall be clean, non-plastic, and free from deleterious or foreign matter. The sand shall be natural or manufactured from crushed rock. The fine aggregate shall conform to ASTM C33 and the grading requirements listed below:

<u>Sieve</u>	<u>Percent Passing</u>
No. 8 (2.36 mm)	100
No. 16 (1.18 mm)	95 to 100
No. 30 (600 mm)	30 to 70
No. 50 (300 mm)	25 to 40
No. 100 (150 mm)	2 to 15

The bedding mix shall be a fine aggregate consisting of sand, silica sand or slag sand. It shall be Class A quality according to the Standard Specifications and dry. The gradation shall be FA1 or FA2.

The source of brick pavers, bedding mix, and joint materials shall remain the same throughout construction.

Submit manufacturer's technical data for each manufactured product with certification that each complies with the specified requirements. Submit samples made up of actual brick pavers for each color required. Include in each set of samples the full range of exposed color and texture to be expected in the completed work.

Protect all materials in storage against wetting by rain or groundwater, and against soilage or intermixture with earth or other materials.

Deliver brick pavers to the site in steel banded or plastic wrapped cubes capable of transfer by fork lift or clamp lift. Unload brick pavers at the job site in such a manner that no damage occurs to the product.

Sand and cement shall be covered with waterproof covering to prevent exposure to rainfall or removal by wind. The covering shall be weighted to resist removal by wind.

Prior to installation of unit pavers, fabricate mock-up using materials, pattern, and joint

treatment indicated for project work. These mock-ups are not to be "used in place". It shall be constructed in addition to the paving area indicated on the plans. Build mock-up in form of panel in close proximity to the site, in location indicated or directed, of full thickness and approximately 9' x 9', unless otherwise indicated. Provide range of color, texture and workmanship to be expected in the completed work. Sample should include example of jointing. Obtain Engineer's acceptance of visual qualities of the mock-up before starting paver work. Retain mock-up during construction as a standard for judging completed paver work. Do not move or destroy mock-up without consent of Engineer. Should adjustments or corrections be necessary to obtain Engineer's approval, the Contractor shall complete the adjustments of the mock-up panel at no additional cost to the owner, prior to the actual installation.

Verify that hot-mix asphalt binder course is dry and ready for application of bedding mix.

Verify gradients and elevations of hot-mix asphalt binder are correct.

Verify location, type, installation and elevations of edge restraints around the perimeter area to be paved.

Verify that surface drainage of hot-mix asphalt binder course is adequate and that there are no areas of ponding prior to installation of bedding mix.

The fine aggregate for the bedding mix shall be placed and screeded without compaction, to a uniform thickness of 1 to 1.5 in. Prepared areas shall not be left overnight, unless they are protected from disturbance and moisture. Stockpiled material shall be kept covered. Any saturated bedding aggregate shall be removed and replaced.

Place brick pavers carefully by hand in straight courses maintaining patterns shown with uniform joints of the indicated width. Do not exceed 1/32" unit-to-unit offset from flush or 1/8" in 10' from slope as indicated on the drawings. The surface elevation of the brick pavers shall be 1/8" above adjacent drainage inlets. Cut brick pavers with motor-driven equipment to provide clean, sharp, unchipped edges. Cut brick to provide patterns indicated and to fit adjoining work neatly. Do not use brick with chips, cracks, voids, discolorations or other defects which might be visible in finished work. Protect newly laid brick pavers with panels of plywood on which workers stand. Advance protective panels as work progresses but maintain protection in areas subject to continued movement of materials and equipment, to avoid creating depressions or disrupting alignment of unit pavers.

Place brick pavers with hand-tight joints. Allow 1/16" joints between pavers. The maximum allowable joint width is 1/4". Fill hand-tight joints with a dry mixture of one part portland cement and 3 parts sand by sweeping mixture over paved surface until joints are filled. Vibrate the brick pavers using a low amplitude, high frequency plate vibrator to consolidate the sand in the joints. Sweep additional joint mix into the joints and vibrate until all joints are filled. This will require at least three passes with the vibrator. Do not vibrate within three feet of an unrestrained edge of the brick pavement.