

Olsson, Inc.
601 P Street, Ste. 200
Lincoln, Nebraska
August 14, 2020

ADDENDUM NO. 1

Pave Taxiways and Grade T-Hangar Site
Trenton Municipal Airport, Trenton, Missouri
BID DATE: August 20, 2020 at 2:00 p.m.
MoDOT State Block Grant Project No. 19-011A-1
Olsson Project No. 019-2865

TO ALL WHO HAVE RECEIVED PLANS AND SPECIFICATIONS FOR THE REFERENCED PROJECT.

Please Note: Prospective bidders must obtain a copy of the project manual and project drawings from either www.questcdn.com or Olsson at the address identified within the Notice to Bidders. Any other sources utilized will not be acceptable for consideration.

SPECIFICATIONS

1. Section 5 - Refer to Specification P-101 Preparation/Removal of Existing Pavements

Delete the Specification P-101 in its entirety and replace with the attached Specification P-101.
Changes to the specification have been highlighted in yellow.

Additional Information

2. Pre-Bid Meeting: The minutes and sign in sheet from the Pre-Bid meeting on August 12, 2020 are attached for reference.

Each Bidder must acknowledge receipt of all addenda in the space provided on the Proposal Form.

12/21/2018

AC 150/5370-10H

Item P-101 Preparation/Removal of Existing Pavements

DESCRIPTION

101-1 This item shall consist of preparation of existing pavement surfaces for overlay, surface treatments, removal of existing pavement, and other miscellaneous items. The work shall be accomplished in accordance with these specifications and the applicable plans.

EQUIPMENT AND MATERIALS

101-2 All equipment and materials shall be specified here and in the following paragraphs or approved by the Resident Project Representative (RPR). The equipment shall not cause damage to the pavement to remain in place.

CONSTRUCTION

101-3.1 Removal of existing pavement.

The Contractor's removal operation shall be controlled to not damage adjacent pavement structure, and base material, cables, utility ducts, pipelines, or drainage structures which are to remain under the pavement. ~~All pavement that is removed shall become property of the Contractor and shall be disposed of off airport property.~~

a. Concrete pavement removal. Full depth saw cuts shall be made perpendicular to the slab surface. The Contractor shall saw through the full depth of the slab including any dowels at the joint, removing the pavement and installing new dowels as shown on the plans and per the specifications. Where the perimeter of the removal limits is not located on the joint and there are no dowels present, the perimeter shall be saw cut the full depth of the pavement. The pavement inside the saw cut shall be removed by methods which will not cause distress in the pavement which is to remain in place. ~~If the material is to be wasted on the airport site, it shall be reduced to a maximum size of [2 feet] and may only be placed in Embankment Borrow Area No. 2.~~ Concrete slabs that are damaged by under breaking shall be repaired or removed and replaced as directed by the RPR.

The edge of existing concrete pavement against which new pavement abuts shall be protected from damage at all times. Spall and underbreak repair shall be in accordance with the plans. Any underlying material that is to remain in place, shall be recompact and/or replaced as shown on the plans. Adjacent areas damaged during repair shall be repaired or replaced at the Contractor's expense.

b. Asphalt pavement removal. Asphalt pavement to be removed shall be cut to the full depth of the asphalt pavement around the perimeter of the area to be removed. ~~If the material is to be wasted on the airport, it shall be reduced to a maximum size of 2 feet and may only be placed in Embankment Borrow Area No. 2. All pavement that is removed shall become property of the Contractor and shall be disposed of off airport property.~~

c. Repair or removal of Base, Subbase, and/or Subgrade. All failed material including surface, base course, subbase course, and subgrade shall be removed and repaired as shown on the plans or as directed by the RPR. Materials and methods of construction shall comply with the applicable sections of these specifications. Any damage caused by Contractor's removal process shall be repaired at the Contractor's expense.

101-3.2 Preparation of joints and cracks prior to overlay/surface treatment. Not Used

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101-3.3 Removal of Foreign Substances/contaminates prior to [overlay] [seal-coat] [remarking]. Not Used

101-3.4 Concrete spall or failed asphaltic concrete pavement repair. Not Used

101-3.5 Cold milling. Not Used

101-3.6. Preparation of asphalt pavement surfaces prior to surface treatment. Not Used

101-3.7 Maintenance. The Contractor shall perform all maintenance work necessary to keep the pavement in a satisfactory condition until the full section is complete and accepted by the RPR. The surface shall be kept clean and free from foreign material. The pavement shall be properly drained at all times. If cleaning is necessary or if the pavement becomes disturbed, any work repairs necessary shall be performed at the Contractor's expense.

101-3.8 Preparation of Joints in Rigid Pavement prior to resealing. Not Used

101-3.8.1 Removal of Existing Joint Sealant.-Not Used

101-3.8.2 Cleaning prior to sealing.-Not Used

101-3.8.3 Joint sealant. Not Used

101-3.9 Preparation of Cracks in Flexible Pavement prior to sealing. Not Used

101-3.9.1 Preparation of Crack. Not Used

101-3.9.2 Removal of Existing Crack Sealant. Not Used

101-3.9.3 Crack Sealant. Not Used

101-3.9.4 Removal of Pipe and other Buried Structures.

a. Removal of Existing Pipe Material. [Remove the types of pipe as indicated on the plans. The pipe material shall be legally disposed of off-site in a timely manner following removal. Trenches shall be backfilled with material equal to or better in quality than adjacent embankment. Trenches under paved areas must be compacted to [98%] of ASTM [D698].]

b. Removal of Inlets/Manholes. [Where indicated on the plans or as directed by the RPR, inlets and/or manholes shall be removed and legally disposed of off-site in a timely fashion after removal. Excavations after removal shall be backfilled with material equal or better in quality than adjacent embankment. When under paved areas must be compacted to [98%] of ASTM [D698], when outside of paved areas must be compacted to [95%] of ASTM D698.

METHOD OF MEASUREMENT

[101-4.1 Pavement removal. The unit of measurement for pavement removal shall be the number of square yards removed by the Contractor. Any pavement removed outside the limits of removal because the pavement was damaged by negligence on the part of the Contractor shall not be included in the measurement for payment. No direct measurement or payment shall be made for saw cutting. Saw cutting shall be incidental to pavement removal. Dowel bar installation shall be incidental to pavement removal.

101-4.2 Joint and crack repair. Not Used

101-4.3 Removal of Foreign Substances/contaminates. Not Used

101-4.4 Spalled and failed asphalt pavement repair. Not Used

101-4.5 Concrete Spall Repair. Not Used

101-4.6 Cold milling. Not Used

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101-4.7 Removal of Pipe and other Buried Structures. [The unit of measurement for removal of pipe and other buried structures will be made at the contract unit price for each completed and accepted item. This price shall be full compensation for all labor, equipment, tools, and incidentals necessary to complete this item in accordance with paragraph 101-3.9.4.]]

BASIS OF PAYMENT

101-5.1 Payment. Payment shall be made at contract unit price for the unit of measurement as specified above. This price shall be full compensation for furnishing all materials and for all preparation, hauling, and placing of the material and for all labor, equipment, tools, and incidentals necessary to complete this item.

Item P 101-5.1a	Concrete Pavement Removal - per square yard
Item P 101-5.1b	Asphalt Pavement Removal - per square yard
Item P-101-5.2	Storm Drain Removal – per linear foot
Item P-101-5.3	Inlet Removal – per each

REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

Advisory Circulars (AC)

AC 150/5380-6	Guidelines and Procedures for Maintenance of Airport Pavements.
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ASTM International (ASTM)

ASTM D6690	Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements
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END OF ITEM P-101



**PRE-BID CONFERENCE
TRENTON MUNICIPAL AIRPORT
TRENTON, MISSOURI
MoDOT Project No. 19-011A-1**

August 12, 2020
OA Project 019-2865

1. Introductions

- a. Olsson and city staff
- b. Attendees
- c. Plan holders list is available from Joyce Ewing, Olsson at jewing@olsson.com or from www.questcdn.com if you have purchased the project plans on that website. (Quest project number 7243231)

2. Project Overview:

- a. **Removals:** T-hangar (including footings, floor, electrical, ect.), asphalt and concrete pavement, per phasing plan
- b. **Grading:** Two borrow areas on site, borrow area #1 to be used first, then borrow area #2.
- c. **T-Hangar by others:** the T-hangar will be constructed by others once the embankment is completed.
- d. **Paving** to be completed in the spring/summer of 2021

3. Schedule and Phasing

- a. **Notice to Proceed** is anticipated on October, 2020.
- b. **Phase 1:** 35 CD, remove t-hangar, concrete and asphalt pavements, grade site for new t-hangar and install culverts.
- c. **Phase 2:** 10 CD, remove pavement grade drainage channel south of existing t-hangar
- d. **Phase 3:** 30 CD, pave taxilanes
- e. **Phase 4:** 30 CD, remove pavement, construct storm drain and pave apron
- f. **Maintenance of erosion control & barricades** will be required in the period between the completion of the grading and start of paving.
- g. **Recompaction of subgrade** required at spring start up prior to Lime Kiln Dust construction.
- h. **Liquidated Damages** are established at \$1,500 per calendar day.

4. Funding

- a. **Grant to be issued by September 20, 2020.**

5. Safety Plan

- a. **Access points & haul routes** are shown on the plans and were discussed
- b. **Waste Disposal.** Off airport in a legal manner. This includes building and pavement removals.
- c. **Storage areas** are shown on the plans.
- d. **Contractor's Safety Plan Compliance Document (SPCD)** (Ref. Local Provision 10)

6. Specifications to Note

- a. **Proposal submittal** is pages PF-1 thru PF-13 only (Ref. Gen. Prov. 20-07).
Submittal of the entire contract book is not required.
- b. **Survey.** Contractor's responsibilities (Ref. Gen. Prov. 50-07)
- c. **Lime Kiln Dust** material is P-157
- d. **Subbase Course** materials is P-154
- e. **Pavement** is P-501.
- f. **Contractor Quality Control Program** for P-501 Concrete Pavement is required. Requirements for a mix design include an accredited lab and signature of a professional engineer. Mix design to be submitted in the spring of 2021.
- g. **Marking:** Reflectometer is new requirement (P-620-3.8). One source is Professional Pavement Products (904) 509-6442
- h. **NPDES Stormwater Discharge Permit** by contractor. This includes the SWPP plan.
- i. **DBE goal is 4%.** DBEs must be MoDOT certified as of the date of the bid opening.

7. Utilities

- a. **Water Line:** existing water line is $\frac{3}{4}$ " based on best available information. Proposed water line is 2". Contractor to relocate water meter and meter pit. Contact Wes Barone for additional information. Wes Barone: (660) 359-2013.
- b. **Electrical:** overhead power line will be removed by the City. New underground will be installed by the City to existing and new hangars. Contractor shall coordinate with the City as new lines are located within the embankment areas.

8. Addendums & Change Orders

- a. **Addendum** may be issued with clarifications based on this prebid.
- b. **Change Orders** require MoDOT approval.

9. Site Visit will be offered to all in attendance.

2020 Airport pre bid construction meeting, Hanger Project

[illegible]