

SALEM MEMORIAL AIRPORT
SALEM, MISSOURI

MoDOT PROJECT No. 17-066A-2

Tree Clearing

ADDENDUM NO. 1

September 5, 2018



TO ALL PROSPECTIVE BIDDERS:

A. You are hereby notified of the following amendments to the Contract Documents/Specifications for the subject project.

1. Section 1, Notice to Bidders has been revised to include updated quantities and changes to the pay items. A new line item, "Install Woven Wire Fence with 2-Strand Barbed Wire Overguard", has been added. Line item "Remove Existing Barbed Wire Fence" has been modified to read "Remove Existing Fence", and the quantities associated with line items No. 3, 6, and 8 have been revised.

Revised Notice to Bidders, Section 1 is included with this addendum for reference.

2. Section 11, Wire Fence with Steel Posts (Class C and D Fence) has been revised to include modified pay item "Remove Existing Fence" and a new line item, "Install Woven Wire Fence with 2-Strand Barbed Wire Overguard".

Revised Section 11 is included with this addendum for reference.

3. Proposal Form has been revised to include updated quantities and changes to the pay items referenced above in Item 1.

Revised Proposal Form is included with this addendum for reference.

B. You are hereby notified of the following amendments to the Construction Plans for the subject project. **Revised versions of the listed Plan Sheets are included with this addendum for reference.**

1. Sheet No. 1 Title Sheet, The index of sheets has been modified to include Sheet 7A, Fence Details.
2. Sheet No. 2 Construction Safety and Phasing Plan, The entire sheet has been modified including a revised summary of quantities table and an updated General Airport Layout Plan to include the new and modified proposed construction.
3. Sheet No. 4 Demolition Plan, The quantity associated with the callout in the upper right-hand corner of the sheet described as "Dense Clearing and Grubbing Along Fence Row Seed and Mulch all Disturbed Areas" has been modified to reference 1.6 Acres for the additional clearing required along the MoDOT Right-of-Way.

4. Sheet No. 5 Demolition Plan, The following callout has been added to sheet No. 5 and the clearing limits along the MoDOT Right-of-Way and Airport Property Boundary increased



5. Sheet No. 6 Fencing Plan, The entire sheet has been modified to include new callouts for removing the existing fence on the North and South sides of airport property and replacing the fence with a woven wire fence with a 2-strand barbed wire overguard.
6. Sheet No. 7 Fencing Plan, The height of the chain-link fence has been changed from 4 feet to 5 feet tall.
7. Sheet No. 7A Fencing Plan, This sheet has been added to include details for the woven wire fence with 2-strand barbed wire overguard that is to be installed.

- C. A copy of the pre-bid meeting minutes and attendees list is included with this addendum.
- D. All bidders must acknowledge receipt of this addendum in the space provided on page PF-3 of the Proposal Form. **Failure to acknowledge receipt of an addendum may be cause for rejection of the bid.**



**SECTION 1
NOTICE TO BIDDERS**

**CITY OF SALEM, MISSOURI
SALEM MEMORIAL AIRPORT
State Block Grant Project No. 17-066A-2**

Sealed bids subject to the conditions and provisions presented herein will be received until **1:00 p.m. (CDT), Tuesday, September 11, 2018**, and then publicly opened and read at **City Hall, 400 N. Iron Street, Salem, MO 65560**, for furnishing all labor, materials, equipment and performing all work necessary to

Tree Clearing

Copies of the bid documents including project drawings and technical specifications are on file and may be inspected at:

**Salem City Hall
400 N. Iron Street
Salem, MO 65560**

**Lochner
16105 W. 113th Street
Suite 107
Lenexa, KS 66219**

Drawings, specifications and other related contract information may be ordered online at www.drexeltech.com or by contacting Drexel Technologies, Inc. at 10840 W. 86th Street, Lenexa, KS 66214, phone (913) 371-4430, fax (913) 371-7128. Checks shall be made payable to “Drexel Technologies” and mailing costs are the responsibility of the purchaser. Drawings, specifications, any addenda and a plan holders list are available at www.drexeltech.com by clicking on “Enter Plan Room”.

A prebid conference for this project will be held at 2:00 p.m. (CDT), Friday, August 31, 2018 at City Hall, 400 N. Iron Street, Salem, MO 65560.

Contract Work Items. This project will involve the following work items and estimated quantities. Prospective bidders are hereby advised that the quantities indicated herein are approximate and are subject to change.

ITEM NO.	SPEC.	ITEM DESCRIPTION	QTY.	UNIT
MODOT PROJECT NO. 17-066A-2				
<u>PROJECT DESCRIPTION</u>				
Tree Clearing				
1	MO-100	Mobilization	1	L.S.
2	TEMP	Temporary Marking, Lighting, & Barricades	1	L.S.
3	P-151	Dense Clearing & Grubbing <i>(Quantity Revised per Addendum No. 1)</i>	16.0	Ac.
4	P-151	Sparse Clearing & Grubbing	30.0	Ac.
5	P-156	Erosion Control Barrier (Silt Fence)	3,602	L.F.
6	T-901	Seeding of Densely Cleared Areas <i>(Quantity Revised per Addendum No. 1)</i>	16.0	Ac.
7	T-901	Seeding of Sparsely Cleared Areas	30.0	Ac.
8	T-908	Mulching of Densely Cleared Areas <i>(Quantity Revised per Addendum No. 1)</i>	16.0	Ac.
9	T-908	Mulching of Sparsely Cleared Areas	30.0	Ac.
10	F-161	Remove Existing Barbed Wire Fence <i>(Revised per Addendum No. 1)</i>	2,824	L.F.
11	F-161	Install Woven Wire Fence with 2-Strand Barbed Wire Overguard <i>(Added per Addendum No. 1)</i>	1,962	L.F.
12	F-162	Chain Link Fence	377	L.F.
13	F-162	Chain Link Sliding Gate (24')	1	Ea.

Contract Time. The owner has established a contract performance time of **Thirty (30)** calendar days from the date of the Notice-to-Proceed. All project work shall be substantially completed within the stated timeframe. This project is subject to liquidated damages as prescribed in the project manual.

Bid Security. No bid will be considered unless accompanied by a certified check or cashier's check on any bank or trust company insured by the Federal Deposit Insurance Corporation, payable to **City of Salem**, for not less than five (5) percent of the total amount of the bid, or by a bid bond secured by an approved surety or sureties, payable to the owner, for not less than five (5) percent of the total amount of the bid.

Bonding Requirements. The successful bidder will be required to furnish separate performance and payment bonds each in an amount equal to 100% of the contract price at the time of contract execution.

Award of Contract. All proposals submitted in accordance with the instructions presented herein will be subject to evaluation. Bids may be held by the **City of Salem** for a period not to exceed **ninety (90) calendar days** from the date of the bid opening for the purpose of conducting the bid evaluation.

Award of contract will be based on the lowest aggregate sum proposal submitted from those bidders that are confirmed as being responsive and responsible. If more than one base bid is listed in the Proposal Form, the bidder may bid on Base Bid No. 1 and/or Base Bid No. 2. The owner reserves the right to select any one of the combinations of the base bid(s) and alternate bid(s), which in the judgment of the owner, best serves the owner's interest. The right is reserved, as the **City of Salem** may require, to reject any bid and all bids.

Award of contract is contingent upon the owner receiving Federal-funding assistance under the State Block Grant Program.

Federal Provisions. This project is subject to the following Federal provisions, statutes and regulations:

Equal Employment Opportunity - Executive Order 11246 and 41 CFR Part 60: The Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth within the supplementary provisions. The successful Bidder shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin.

Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity:

1. The Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth within the supplementary provisions.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables

Goals for minority participation for each trade: **11.4% (Dent County)**

Goals for female participation in each trade: **6.9%.**

These goals are applicable to all of the contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor is also subject to the goals for both its federally involved and non-federally involved construction.

The contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female

employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs (OFCCP) within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address, and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

1. As used in this notice and in the contract resulting from this solicitation, the "covered area" is **City of Salem, Dent County, Missouri**.

Certification of Nonsegregated Facilities – 41 CFR Part 60: A certification of Nonsegregated Facilities must be submitted prior to the award of a federally-assisted construction contract exceeding \$10,000 which is not exempt from the provisions of the Equal Opportunity Clause.

Contractors receiving federally assisted construction contract awards exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity Clause will be required to provide for the forwarding of the notice to prospective subcontractors for supplies and construction contracts where the subcontracts exceed \$10,000 and are not exempt from the provisions of the Equal Opportunity Clause. The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

Disadvantaged Business Enterprise – 49 CFR Part 26: The requirements of 49 CFR Part 26, Regulations of the U.S. Department of Transportation, apply to this contract. It is the policy of MoDOT and the City to practice nondiscrimination based on race, color, sex or national origin in the award or performance of this contract. All firms qualifying under this solicitation are encouraged to submit bids/proposals regardless of their business size or ownership. Awards of this contract will be conditioned upon satisfying the requirements of this section. These requirements apply to all bidders, including those who qualify as a DBE. The owner's award of this contract is condition upon the bidder satisfying the good faith effort requirements of 49 CFR §26.53. A DBE contract goal of **6.00** percent has been established for this contract. The non-DBE bidder shall subcontract **6.00** percent of the dollar value of the base bid(s), excluding any additive alternates, to disadvantaged business enterprises (DBE) or make good faith efforts to meet the DBE contract goal. The bidder and any subcontractor who qualifies as a DBE who subcontracts work to another non-DBE firm must subtract the amount of the non-DBE contract from the total DBE work counted toward the goal, as defined in 49 CFR Part 26.55.

The apparent successful competitor will be required to submit the following information as a condition of bid responsiveness: (1) the names and addresses of DBE firms that will participate in the contract; (2) a description of the work that each DBE firm will perform; (3) the dollar amount of the participation of each DBE firm participating; (4) written statement from bidder that attests their commitment to use the DBE firm(s) listed under (1) above to meet the owner's project goal; and (5) if the contract goal is not met, evidence of good faith efforts undertaken by the bidder, as described in Appendix A to 49 CFR Part 26.

The apparent successful competitor must provide written confirmation of participation from each of the DBE firms listed in their commitment with the proposal documents as a condition of bid responsiveness.

Davis-Bacon Act, as amended – 29 CFR Part 5: The Contractor is required to comply with wage and labor provisions and to pay minimum wages in accordance with the current schedule of wage rates established by the United States Department of Labor included in the supplementary provisions.

In addition, the contractor will also be required to comply with the wage and labor requirements and pay minimum wages in accordance with the schedule of wage rates established by the Missouri Division of Labor Standards included in the Supplementary Provisions.

The highest rate between the two (Federal and State) for each job classification shall be considered the prevailing wage.

Debarment, Suspension, Ineligibility and Voluntary Exclusion – 49 CFR Part 29: The bidder certifies, by submission of a proposal or acceptance of a contract, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

Foreign Trade Restriction – 49 CFR Part 30: The Bidder and Bidder's subcontractors, by submission of an offer and/or execution of a contract, is required to certify that it:

- a. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms published by the Office of the United States Trade Representative (USTR);
- b. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country on said list, or is owned or controlled directly or indirectly by one or more citizens or nationals of a foreign country on said list; or
- c. has not procured any product nor subcontracted for the supply of any product for use on the project that is produced in a foreign country on said list.

Buy American Certificate – Aviation Safety and Capacity Act of 1990: This contract is subject to the "Buy American Preferences" of the Aviation Safety and Capacity Act of 1990. Prospective Bidders are required to certify that steel and manufactured products have been produced in the United States and to clearly identify those items produced or manufactured outside of the United States.

Additional Provisions:

Modification to the project documents may only be made by written addendum by the Owner or Owner's authorized Representative.

The proposal must be made on the forms provided within the bound project manual. Bidders must supply all required information prior to the time of bid opening.

SECTION 11

ITEM F-161

WIRE FENCE WITH STEEL POSTS (CLASS C AND D FENCE)

DESCRIPTION

161-1.1 This item covers the requirements for furnishing materials and constructing new wire fences and gates with steel posts in accordance with the details included herein and as shown on the plans. The class of fence to be erected shall be either Class C, woven wire fencing surmounted by two strands of barbed wire, or Class D, four strands of barbed wire, as indicated on the plans and in the bid proposal.

MATERIALS

161-2.1 Wire.

a. Woven wire (zinc-coated). The woven wire fencing shall be 7-bar, 26 inch (66 cm) field fence with top and bottom wires No. 10 gauge, and filler and stay wires No. 12-1/2 gauge. Stay wires shall be spaced 6 inch (150 mm) apart. All wire shall be smooth galvanized steel wire conforming to ASTM A116. All wires shall be twice-dipped and spaced as shown on the plans.

b. Barbed wire (zinc-coated). Zinc-coated barbed wire shall be 2-strand twisted No. 12-1/2 gauge galvanized steel wire with 4-point barbs of No. 14 gauge galvanized steel wire. All wire shall conform to ASTM A121, Type A. The barbs shall be spaced approximately 5 inches (125 mm) apart.

c. Barbed wire (copper-covered). Copper-covered steel barbed wire shall conform to ASTM A121, Type A.

d. Barbed wire (aluminum-coated). Aluminum-coated steel barbed wire shall be 2-strand twisted No. 12-1/2 gauge. The 4-point barbs of No. 14 gauge aluminum-coated steel wire shall be spaced approximately 5 inches (125 mm) apart. The steel wire shall have a tensile strength of between 60,000 and 80,000 pounds per square inch (413 400 and 551 200 kPa) and the aluminum coating shall have a minimum weight of 0.30 ounces per square foot (0.07 kg/m²) of wire surface on the No. 12-1/2 gauge line wire and 0.25 ounces per square foot (0.06 kg/m²) of wire surface on the No. 14 gauge barbs.

e. Bracing wire (zinc-coated). Wire used for cable bracing shall be No. 9 smooth galvanized soft wire.

161-2.2 Fence posts, gates, rails, braces, and accessories. These items, when specified, shall conform to the requirements of Federal Specification RR-F-191 and shall be zinc-coated.

161-2.3 Concrete. Concrete shall be of a commercial grade with a minimum 28-day compressive strength of 2500 psi.

CONSTRUCTION METHODS

161-3.1 General. The fence shall be constructed in accordance with the details on the plans and as specified here using new materials. All work shall be performed in a workmanlike manner satisfactory to the Engineer. Before starting work or at the request of the Contractor, the Engineer shall establish and mark the property line or fence line. The Contractor shall span the opening below the fence with barbed wire at all locations where it is not practical to conform the fence to the general contour of the ground surface because of natural or manmade features such as drainage ditches. The new fence shall be

permanently tied to the terminals of existing fences whenever required by the Engineer. The finished fence shall be plumb, taut, true to line and ground contour, and complete in every detail. When directed, the Contractor shall stake down the woven wire fence at several points between posts.

The Contractor shall arrange the work so that construction of the new fence will immediately follow the removal of existing fences. The length of unfenced section at any time shall not exceed 300 feet (90 m). The work shall progress in this manner and at the close of the working day the newly constructed fence shall be tied to the existing fence.

161-3.2 Clearing fence line. The site of the fence shall be sufficiently cleared of obstructions, and surface irregularities. The fence line shall be graded so that the fence will conform to the general contour of the ground. The fence line shall be cleared to a minimum width of 5 feet (1.5 m) on each side of the centerline of the fence. This clearing shall consist of the removal of all stumps, brush, rocks, trees, or other obstructions that will interfere with proper construction of the fence. Stumps within the cleared area of the fence shall be grubbed or excavated. The bottom of the fence shall be placed a uniform distance above ground, as specified in the plans. When shown on the plans or as directed by the Engineer, the existing fences which interfere with the new fence location shall be removed by the Contractor as a part of the construction work unless such removal is listed as a separate item in the bid schedule. All holes remaining after post and stump removal shall be refilled with suitable soil, gravel, or other suitable material and compacted with tampers.

The work shall include the handling and disposal of all material cleared, excavated or removed, regardless of the type, character, composition, or condition of such material encountered.

161-3.3 Installing posts. All posts shall be spaced as shown on the plans. Corner, brace, anchor, end, and gate posts shall be set in concrete as shown on the plans. The top of the concrete shall be slightly above the ground surface, trowel finished, and sloped to drain. Post holes of full depth and size for the concrete shall be provided. All line posts may be either driven or set in dug holes to a depth of 3 feet (1 m). All post setting shall be done carefully and to true alignment. Dirt removed for placing posts, anchor bars, flanges, etc., shall be replaced, tamped, and leveled. When posts are driven, care shall be exercised to prevent marring or buckling of the posts. Damaged posts shall be replaced at the Contractor's expense. No extra compensation will be made for rock excavation.

161-3.4 Bracing. All corner, anchor, end, and gate posts shall be braced as shown on the plans. Anchor posts shall be set at approximately 500 feet (150 meters) intervals and braced to the adjacent posts.

161-3.5 Installing wire. All barbed wire and woven wire shall be placed on the side of the post away from the airport, or as directed by the Engineer, at the height indicated on the plans. The woven wire shall be carefully stretched and hung without sag and with true alignment. Care shall be taken not to stretch the wire so tightly that it will break in cold weather or pull up corner and brace posts. All horizontal wires shall be fastened securely to each post by fasteners or clips designed for use with the posts furnished. The woven wire shall be wrapped around end, corner, and gate posts, and the ends of all horizontal wires shall be tied with snug, tight twists. The wire shall be secured to prevent slipping up and down the post. Barbed wire strands shall be stretched and each strand secured to each post to prevent slipping out of line or becoming loose. At end, corner, and gate posts the barbed wire shall be securely wrapped and anchored once about the post from outside and secured against slipping by tying the ends with snug, tight twists. However, on spans of less than 100 feet (30 m) both ends of the span need not be wrapped around the posts. The bottom wire of the woven wire fencing shall clear the ground by not more than 4 inches (100 mm) or less than one inch (25 mm) at any place.

161-3.6 Splicing wire. Splices in barbed and woven wire will be permitted if made with an approved galvanized bolt-clamp splice or a wire splice made as follows: The ends of each wire shall be carried 3

inches (75 mm) past the splice tool and wrapped around the other wire for at least six turns in opposite directions. After the tool is removed, the space occupied by it shall be closed by pulling the ends together. The unused ends of the wire shall be cut close to make a neat, workmanlike job.

161-3.7 Installing gates. The gates shall be hung on gate fittings as shown on the plans. They shall be attached in such a manner that the gate cannot be lifted off the hinges. Gates shall be erected to swing in the direction indicated and shall be provided with gate stops, as specified or as shown on the plans. Gates shall be erected at locations shown on the plans.

161-3.8 Existing fence connections. Wherever the new fence joins an existing fence, either at a corner or at the intersection of straight fence lines, a corner or anchor post shall be set at the junction and braced and anchored the same as herein described for corner posts.

If the connection is made at other than the corner of the new fence, the last span of the old fence shall contain a brace span.

161-3.9 Cleaning up. The Contractor shall remove from the vicinity of the completed work all tools, buildings, equipment, etc., used during construction. All disturbed areas shall be seeded per T-901.

161-3.10 Removal of Existing Fence. Existing barbed wire fence and woven wire fence to be removed as designated by the plans. Posts, wire, and hardware shall be disposed of off airport property.

METHOD OF MEASUREMENT

161-4.1 Remove Existing ~~Barbed Wire~~ Fence. The removal of existing barbed wire fencing will be measured by the linear foot. *(Revised per Addendum No. 1)*

161-4.2 Install Woven Wire Fence with 2-Strand Barbed Wire Overguard. The installation of the woven wire fence with 2-strand barbed wire overguard will be measured by the linear foot. *(Revised per Addendum No. 1)*

BASIS OF PAYMENT

161-5.1 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.

Remove Existing Barbed Wire Fence <i>(Revised per Addendum No. 1)</i>	-per linear foot
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Install Woven Wire Fence with 2-Strand Barbed Wire Overguard <i>(Added per Addendum No. 1)</i>	-per linear foot
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MATERIAL REQUIREMENTS

ASTM A116	Standard Specification for Metallic-Coated, Steel Woven Wire Fence Fabric
ASTM A121	Standard Specification for Metallic-Coated Carbon Steel Barbed Wire
FAA-STD-019	Lightning and Surge Protection, Grounding, Bonding and Shielding Requirements for Facilities and Electronic Equipment
FED SPEC RR-F-191/Gen	Fencing, Wire, and Post Metal (and Gates, Chain-link Fence Fabric, and Accessories) (General Specification)

END OF ITEM F-161

PROPOSAL FORM
CITY OF SALEM, MISSOURI
State Block Grant Project No. 17-066A-2

TO: City Administrator, City of Salem

The undersigned, in compliance with the request for bids for construction of the following Project:

Tree Clearing

hereby proposes to furnish all labor, permits, material, machinery, tools, supplies and equipment to faithfully perform all work required for construction of the Project in accordance with the project manual, project drawings and issued Addenda within the specified time of performance for the following prices:

BID ITEM	FAA or MoDOT SPEC.	ITEM DESCRIPTION	APPROX. QTY. AND UNITS	UNIT PRICE		EXTENSION	
				DOLLARS	CTS	DOLLARS	CTS
PROJECT DESCRIPTION							
Tree Clearing							
1	MO-100	Mobilization	1 L.S.				
2	TEMP	Temporary Marking, Lighting, & Barricades	1 L.S.				
3	P-151	Dense Clearing & Grubbing <i>(Quantity Revised per Addendum No. 1)</i>	16.0 Ac.				
4	P-151	Sparse Clearing & Grubbing	30.0 Ac.				
5	P-156	Erosion Control Barrier (Silt Fence)	3,602 L.F.				
6	T-901	Seeding of Densely Cleared Areas <i>(Quantity Revised per Addendum No. 1)</i>	16.0 Ac.				
7	T-901	Seeding of Sparsely Cleared Areas	30.0 Ac.				
8	T-908	Mulching of Densely Cleared Areas <i>(Quantity Revised per Addendum No. 1)</i>	16.0 Ac.				
9	T-908	Mulching of Sparsely Cleared Areas	30.0 Ac.				
10	F-161	Remove Existing Barbed Wire Fence <i>(Revised per Addendum No. 1)</i>	2,824 L.F.				
11	F-161	Install Woven Wire Fence with 2-Strand Barbed Wire Overguard <i>(Added per Addendum No. 1)</i>	1,962 L.F.				
12	F-162	Chain Link Fence	377 L.F.				
13	F-162	Chain Link Sliding Gate (24')	1 Ea.				
CONSTRUCTION TOTAL							

ACKNOWLEDGEMENTS BY BIDDER

- a. By submittal of a proposal, the BIDDER acknowledges and accepts that the quantities established by the OWNER are an approximate estimate of the quantities required to fully complete the Project and that the estimated quantities are principally intended to serve as a basis for evaluation of bids. The BIDDER further

acknowledges and accepts that payment under this contract will be made only for actual quantities and that quantities will vary in accordance with the General Provisions subsection entitled "Alteration of Work and Quantities".

- b. The BIDDER acknowledges and accepts that the Bid Documents are comprised of the documents identified within the General Provisions. The BIDDER further acknowledges that each the individual documents that comprise the Bid Documents are complementary to one another and together establishes the complete terms, conditions and obligations of the successful BIDDER.
- c. As evidence of good faith in submitting this proposal, the undersigned encloses a bid guaranty in the form of a certified check, cashier's check or bid bond in the amount of 5% of the bid price. The BIDDER acknowledges and accepts that refusal or failure to accept award and execute a contract within the terms and conditions established herein will result in forfeiture of the bid guaranty to the owner as a liquidated damage.
- d. The BIDDER acknowledges and accepts the OWNER'S right to reject any or all bids.
- e. The BIDDER acknowledges and accepts the OWNER'S right to hold all Proposals for purposes of review and evaluation and not issue a notice of award for a period not to exceed **ninety (90) days** calendar days from the stated date for receipt of bids.
- f. The undersigned agrees that upon written notice of award of contract, he or she will execute the contract within thirty (30) days of the notice of award, and furthermore, and provide executed payment and performance bonds within fifteen (15) days from the date of contract execution. The undersigned accepts that failure to execute the contract and provide the required bonds within the stated timeframe shall result in forfeiture of the bid guaranty to the owner as a liquidated damage.
- g. Time of Performance: By submittal of this proposal, the undersigned acknowledges and agrees to commence work within ten (10) calendar days of the date specified in the written "Notice to Proceed" as issued by the OWNER. The undersigned further agrees to complete the Project within **Thirty (30)** Calendar days from the commencement date specified in the Notice to Proceed.
- h. The undersigned acknowledges and accepts that for each and every Calendar day the project remains incomplete beyond the contract time of performance, the Contractor shall pay the non-penal amount of **\$1,500** per Calendar day as a liquidated damage to the OWNER.
- i. The undersigned prime contractor, if not a MoDOT certified DBE, hereby assures that they will subcontract **6.00** percent of the dollar value of the prime contract to DBE firms or make good faith efforts to meet the DBE contract goal. In addition, the prime contractor will include the DBE clauses (see Supplementary Provision No. 6 of the Federal and State Provisions) required by the DBE Program adopted by MoDOT and the Sponsor in all contracts and subcontracts relating to this project. The undersigned will complete the DBE Participation information included herein when a DBE goal has been established, including a demonstration of good faith efforts if the DBE goal is not met. If the undersigned prime contractor is a MoDOT certified DBE firm, then the prime contractor must perform at least thirty percent (30%) of the total contract value work with its own forces, and will receive DBE credit for all work which the prime contractor and any other MoDOT certified DBE firm performs directly.
- j. The BIDDER, by submission of a proposal, acknowledges that award of this contract is subject to the provisions of the Davis-Bacon Act and the Missouri Prevailing Wage Law. The BIDDER accepts the requirement to pay prevailing wages for each classification and type of worker as established in the attached wage rate determinations as issued by the United States Department of Labor and the Missouri Division of Labor Standards. The BIDDER further acknowledges and accepts their requirement to incorporate the provision to pay the established prevailing wages in every subcontract agreement entered into by the Bidder under this project. The highest rate between the two (Federal and State) for each job classification shall be considered the prevailing wage.

- k. Compliance Reports (41 CFR Part 60-1.7): Within 30 days after award of this contract, the Contractor/Subcontractor shall file a compliance report (Standard Form 100) if s/he has not submitted a complete compliance report within 12 months preceding the date of award. This report is required if the Contractor/Subcontractor meets all of the following conditions:
1. Contractors/Subcontractors are not exempt based on 41 CFR 60-1.5.
 2. Has 50 or more employees.
 3. Is a prime contractor or first tier subcontractor.
 4. There is a contract, subcontract, or purchase order amounting to \$50,000 or more
- l. The undersigned acknowledges receipt of the following addenda:

Addendum No. _____, dated _____	Date Received _____
Addendum No. _____, dated _____	Date Received _____
Addendum No. _____, dated _____	Date Received _____
Addendum No. _____, dated _____	Date Received _____
Addendum No. _____, dated _____	Date Received _____

REPRESENTATIONS BY BIDDER

By submittal of a proposal (bid), the BIDDER represents the following:

- a. The BIDDER has read and thoroughly examined the bid documents, including all authorized addenda.
- b. The BIDDER has a complete understanding of the terms and conditions required for the satisfactory performance of project work.
- c. The BIDDER has fully informed themselves of the project site, the project site conditions and the surrounding area.
- d. The BIDDER has familiarized themselves with the requirements of working on an operating airport and understands the conditions that may in any manner affect cost, progress or performance of the work.
- e. The BIDDER has correlated their observations with that of the project documents.
- f. The BIDDER has found no errors, conflicts, ambiguities or omissions in the project documents, except as previously submitted in writing to the owner that would affect cost, progress or performance of the work.
- g. The BIDDER is familiar with all applicable Federal, State and local laws, rules and regulations pertaining to execution of the contract and the project work.
- h. The BIDDER has complied with all requirements of these instructions and the associated project documents.

CERTIFICATIONS BY BIDDER

- a. The undersigned hereby declares and certifies that the only parties interested in this proposal are named herein and that this proposal is made without collusion with any other person, firm or corporation. The undersigned further certifies that no member, officer or agent of OWNER'S has direct or indirect financial interest in this proposal.
- b. **Trade Restriction Certification (49 U.S.C. § 50104, 49 CFR Part 30)**
The submission of an offer, the Offeror certifies that with respect to this solicitation and any resultant contract, the Offeror:
 1. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms published by the Office of the United States Trade Representative (U.S.T.R.);

2. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country included on the list of countries that discriminate against U.S. firms as published by the U.S.T.R.; and
3. has not entered into any subcontract for any product to be used on the project that is produced in a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

The Offeror/Contractor must provide immediate written notice to the Owner if the Offeror/Contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The Contractor must require subcontractors provide immediate written notice to the Contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to an Offeror or subcontractor:

1. who is owned or controlled by one or more citizens or nationals of a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R. or
2. whose subcontractors are owned or controlled by one or more citizens or nationals of a foreign country on such U.S.T.R. list or
3. who incorporates in the public works project any product of a foreign country on such U.S.T.R. list.

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

The Offeror agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in all lower tier subcontracts. The contractor may rely on the certification of a prospective subcontractor that it is not a firm from a foreign country included on the list of countries that discriminate against U.S. firms as published by U.S.T.R., unless the Offeror has knowledge that the certification is erroneous.

This certification is a material representation of fact upon which reliance was placed when making an award. If it is later determined that the Contractor or subcontractor knowingly rendered an erroneous certification, the Federal Aviation Administration (FAA) may direct through the Owner cancellation of the contract or subcontract for default at no cost to the Owner or the FAA.

c. Certification of Offeror/Bidder Regarding Debarment (2 CFR Part 180 (Subpart C), 2 CFR Part 1200, DOT Order 4200.5)

By submitting a bid/proposal under this solicitation, the Bidder or Offeror certifies that neither it nor its principals are presently debarred or suspended by any Federal department or agency from participation in this transaction.

d. Certification of Lower Tier Contractors Regarding Debarment (2 CFR Part 180 (Subpart C), 2 CFR Part 1200, DOT Order 4200.5)

The successful Bidder, by administering each lower tier subcontract that exceeds \$25,000 as a “covered transaction”, must verify each lower tier participant of a “covered transaction” under the project is not presently

debarred or otherwise disqualified from participation in this federally assisted project. The successful bidder will accomplish this by:

1. Checking the System for Award Management at website: <http://www.sam.gov>;
2. Collecting a certification statement similar to the Certificate of Offeror/Bidder Regarding Debarment and Suspension, above;
3. Inserting a clause or condition in the covered transaction with the lower tier contract.

If the FAA and/or MoDOT later determines that a lower tier participant failed to disclose to a higher tier participant that it was excluded or disqualified at the time it entered the covered transaction, the FAA and/or MoDOT may pursue any available remedies, including suspension and debarment of the non-compliant participant.

f. Certification Regarding Lobbying (31 U.S.C. § 1352, 2 CFR § 200 Appendix II(J), 49 CFR Part 20, Appendix A)

The Bidder or Offer certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Bidder or Offeror, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employer of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, United States Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for such failure.

g. Buy American Certification: (Title 49 U.S.C. § 50101)

The bidder agrees to comply with 49 U.S.C. § 50101, which provides that Federal funds may not be obligated unless all steel and manufactured goods used in AIP-funded projects are produced in the United States, unless the FAA has issued a waiver for the product; the product is listed as an Excepted Article, Material Or Supply in Federal Acquisition Regulation subpart 25.108; or is included in the FAA Nationwide Buy American Waivers Issued List.

A bidder or offeror must submit the appropriate Buy America certification included herein with their bid or offer. The Owner will reject as nonresponsive any bid or offer that does not include a completed Certificate of Buy American Compliance.

Type of Certification is based on Type of Project:

There are two types of Buy American certifications.

- For projects for a facility, the Certificate of Compliance Based on Total Facility (Terminal or Building Project) must be submitted.
- For all other projects, the Certificate of Compliance Based on Equipment and Materials Used on the Project (Non-building construction projects such as runway or roadway construction; or equipment acquisition projects) must be submitted.

Certificate of Buy American Compliance for Total Facility
(Buildings such as Terminal, SRE, ARFF, etc.)

As a matter of bid responsiveness, the bidder or offeror must complete, sign, date, and submit this certification statement with its proposal. The bidder or offeror must indicate how it intends to comply with 49 USC § 50101 by selecting one of the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (i.e. not both) by inserting a checkmark (✓) or the letter "X".

- ☐ Bidder or offeror hereby certifies that it will comply with 49 USC § 50101 by:
- a) Only installing steel and manufactured products produced in the United States; or
 - b) Installing manufactured products for which the FAA has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing; or
 - c) Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the bidder or offeror agrees:

1. To provide to the Owner evidence that documents the source and origin of the steel and manufactured product.
2. To faithfully comply with providing U.S. domestic products.
3. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

- ☐ Bidder or offeror hereby certifies it cannot comply with the 100% Buy American Preferences of 49 USC § 50101(a) but may qualify for either a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent bidder or offeror with the apparent low bid agrees:
1. To submit to the Owner within 15 calendar days of the bid opening, a formal waiver request and required documentation that support the type of waiver being requested.
 2. That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination that may result in rejection of the proposal.
 3. To faithfully comply with providing U.S. domestic products at or above the approved U.S. domestic content percentage as approved by the FAA.
 4. To furnish U.S. domestic product for any waiver request that the FAA rejects.
 5. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

Required Documentation

Type 3 Waiver – The cost of components and subcomponents produced in the United States is more than 60% of the cost of all components and subcomponents of the “facility”. The required documentation for a Type 3 waiver is:

- a) Listing of all manufactured products that are not comprised of 100% U.S. domestic content (excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart 25.108; products of unknown origin must be considered as non-domestic products in their entirety).
- b) Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly and installation at project location.
- c) Percentage of non-domestic component and subcomponent cost as compared to total “facility” component and subcomponent costs, excluding labor costs associated with final assembly and installation at project location.

Type 4 Waiver – Total cost of project using U.S. domestic source product exceeds the total project cost using non-domestic product by 25%. The required documentation for a Type 4 waiver is:

- a) Detailed cost information for total project using U.S. domestic product.
- b) Detailed cost information for total project using non-domestic product.

False Statements: Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

Date

Signature

Company Name

Title

Certificate of Buy American Compliance for Manufactured Products
(Non-building construction projects, equipment acquisition projects)

As a matter of bid responsiveness, the bidder or offeror must complete, sign, date, and submit this certification statement with their proposal. The bidder or offeror must indicate how they intend to comply with 49 USC § 50101 by selecting one of the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (i.e. not both) by inserting a checkmark (✓) or the letter "X".

☐

Bidder or offeror hereby certifies that it will comply with 49 USC 50101 by:

- a) Only installing steel and manufactured products produced in the United States;
- b) Installing manufactured products for which the FAA has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing; or
- c) Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the bidder or offeror agrees:

- 1. To provide to the Owner evidence that documents the source and origin of the steel and manufactured product.
- 2. To faithfully comply with providing U.S. domestic product.
- 3. To furnish U.S. domestic product for any waiver request that the FAA rejects.
- 4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

☐

Bidder or offeror hereby certifies it cannot comply with the 100% Buy American Preferences of 49 USC § 50101(a) but may qualify for either a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent bidder or offeror with the apparent low bid agrees:

- 1. To submit to the Owner within 15 calendar days of the bid opening, a formal waiver request and required documentation that support the type of waiver being requested.
- 2. That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination which may result in rejection of the proposal.
- 3. To faithfully comply with providing U.S. domestic products at or above the approved U.S. domestic content percentage as approved by the FAA.
- 4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

Required Documentation

Type 3 Waiver – The cost of the item components and subcomponents produced in the United States is more than 60% of the cost of all components and subcomponents of the “item”. The required documentation for a Type 3 waiver is:

- a) Listing of all product components and subcomponents that are not comprised of 100% U.S. domestic content (excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart 25.108; products of unknown origin must be considered as non-domestic products in their entirety).
- b) Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly at place of manufacture.
- c) Percentage of non-domestic component and subcomponent cost as compared to total “item” component and subcomponent costs, excluding labor costs associated with final assembly and at place of manufacture.

Type 4 Waiver – Total cost of project using U.S. domestic source product exceeds the total project cost using non-domestic product by 25%. The required documentation for a Type 4 waiver is:

- d) Detailed cost information for total project using U.S. domestic product.
- e) Detailed cost information for total project using non-domestic product.

False Statements: Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

Date

Signature

Company Name

Title

h. Compliance with the Work Authorization Law (as required by Section 285.530, Revised Statutes of Missouri)

For all contracts where the total bid amount is in excess of \$50,000 (local match in excess of \$5,000), the Bidder, by submission of an offer and by signing the Worker Eligibility Verification Affidavit for All Contract Agreements in Excess of \$50,000, certifies that it:

1. does not knowingly employ any person who is an unauthorized alien in connection with the contracted services;
2. has enrolled and actively participates in a federal work authorization program;

A general contractor or subcontractor of any tier shall not be liable under sections 285.525 to 285.550 when such general contractor or subcontractor contracts with its direct subcontractor who violates subsection 1 of this section, if the contract binding the contractor and subcontractor affirmatively states that the direct subcontractor is not knowingly in violation of subsection 1 of this section and shall not henceforth be in such violation and the contractor or subcontractor receives a sworn affidavit under the penalty of perjury attesting to the fact that the direct subcontractor’s employees are lawfully present in the United States.

**WORKER ELIGIBILITY VERIFICATION AFFIDAVIT FOR ALL CONTRACT
AGREEMENTS IN EXCESS OF \$50,000 (Local match in excess of \$5,000)**

(for joint ventures, a separate affidavit is required for each business entity)

STATE OF _____)
) ss
COUNTY OF _____)

On this _____ day of _____, 20____, before me appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be a person whose name is subscribed to this affidavit, who being by me duly sworn, deposed as follows:

My name is _____, and I am of sound mind, capable of making this affidavit, and personally certify the facts herein stated, as required by Section 285.530, RSMo, to enter into any contract agreement with the state or any of its political subdivisions to perform any job, task, employment, labor, personal services, or any other activity for which compensation is provided, expected, or due, including but not limited to all activities conducted by business entities:

I am the _____ of _____, and I am duly authorized, directed, and/or empowered to act officially and properly on behalf of this business entity.
(title) (business name)

I hereby affirm and warrant that the aforementioned business entity is enrolled in a federal work authorization program operated by the United States Department of Homeland Security, and the aforementioned business entity shall participate in said program to verify information (employment eligibility) of newly hired employees working in connection to work under the within contract agreement. I have attached documentation to this affidavit to evidence enrollment/participation by the aforementioned business entity in a federal work authorization program, as required by Section 285.530, RSMo.

In addition, I hereby affirm and warrant that the aforementioned business entity does not and shall not knowingly employ, in connection to work under the within contract agreement, any alien who does not have the legal right or authorization under federal law to work in the United States, as defined in 8 U.S.C. § 1324a(h)(3).

I am aware and recognize that, unless certain contract and affidavit conditions are satisfied pursuant to Section 285.530, RSMo, the aforementioned business entity may be held liable under Sections 285.525 through 285.550, RSMo, for subcontractors that knowingly employ or continue to employ any unauthorized alien to work within the state of Missouri.

I acknowledge that I am signing this affidavit as a free act and deed of the aforementioned business entity and not under duress.

(Affiant Signature)

Subscribed and sworn to before me this _____ day of _____, 20____.

(Notary Public)

My commission expires:

[Documentation of enrollment/participation in a federal work authorization program is attached. Acceptable enrollment and participation documentation consists of the following two pages of the E-Verify Memorandum of Understanding: (1) A valid, completed copy of the first page identifying the business entity; and (2) A valid copy of the signature page completed and signed by the business entity, the Social Security Administration, and the Department of Homeland Security – Verification Division.]

DISADVANTAGED BUSINESS ENTERPRISE (DBE) PARTICIPATION

The information shown in this section must be completed when a DBE contract goal has been established. The percentage must equal or exceed the DBE contract goal. If the percentage is below the contract goal, then the bidder must submit complete written documentation of good faith efforts taken to meet the DBE contract goal.

- a. The undersigned submits the following list of DBEs to be used in accomplishing the work of this contract. The work, supplies or services, applicable value and percent of total federal contract each DBE is to perform or furnish is as follows:
- b. Joint venture with a DBE. The undersigned submits the following list of bid items the DBE prime is responsible for and any items that will be subcontracted out are noted with an asterisk or a similar notation. The work, applicable value and percentage of total federal contract the DBE prime is responsible for are as follows:

(A) DBE Name and Address	(B) Bid Item Number(s) Or Work Performed	(C) Dollar Value of DBE Work **	(D) Percent Applicable to DBE Goal (100%, 60%)	(E) Dollar Amount Applicable to DBE Goal (C x D)	(F) Percent of Total Contract (C / Total Contract Amount)
TOTAL DBE PARTICIPATION				\$	%

**Cannot exceed contract amount for given item of work.

Trucking services credited at 100% if the DBE owns the trucks or is leasing from a DBE firm

Merchant wholesalers (supply) are credited at 60%.

Brokered services will only receive credit for fees.

(Please reproduce the above sheet if additional space is needed.)

**THIS EXECUTED PROPOSAL FORM MUST BE SUBMITTED
IN THE ORIGINAL BOUND PROJECT MANUAL.**

SIGNATURE OF BIDDER

The undersigned states that the correct LEGAL NAME AND ADDRESS of (1) the individual bidder, (2) each partner or joint venturer (whether individuals or corporations, and whether doing business under a fictitious name), or (3) the corporation (with the state in which it is incorporated) are shown below; that (if not signing with the intention to bind themselves to become responsible and sole bidder) they are the agent of, and they are signing and executing this (as indicated in the proper spaces below) as the bid of a

() sole individual () partnership () joint venture
() corporation, incorporated under the laws of state of _____.

Executed by bidder this _____ day of _____, 20_____.

Name of individual,
all partners
or joint venturers:

Address of each:

doing business under the name of:

Address of principal place of business in
Missouri:

(If using a fictitious name, show this name
above in addition to legal names)

(If a corporation, show its name above)

ATTEST: (SEAL)

(Signature)

(Title)

(Signature)

(Title)

Please print name

Please print name

NOTE: If bidder is doing business under a fictitious name, the bid shall be executed in the legal name of the individual partners, joint ventures, or corporation, with the legal address shown, and registration of fictitious name filed with the secretary of state, as required by sections 417.200 to 417.230 RSMo. If the bidder is a corporation not organized under the laws of Missouri, it shall procure a certificate of authority to do business in Missouri, as required by section 351.572 et seq RSMo.

Drawing Name: I:\KAC\PRJ\000012848\PROJECT FILES\AE\CIVIL 3D PROJECT FOLDER\Production Drawings\000012848 Title.dwg Sep 05, 2018 - 4:19pm

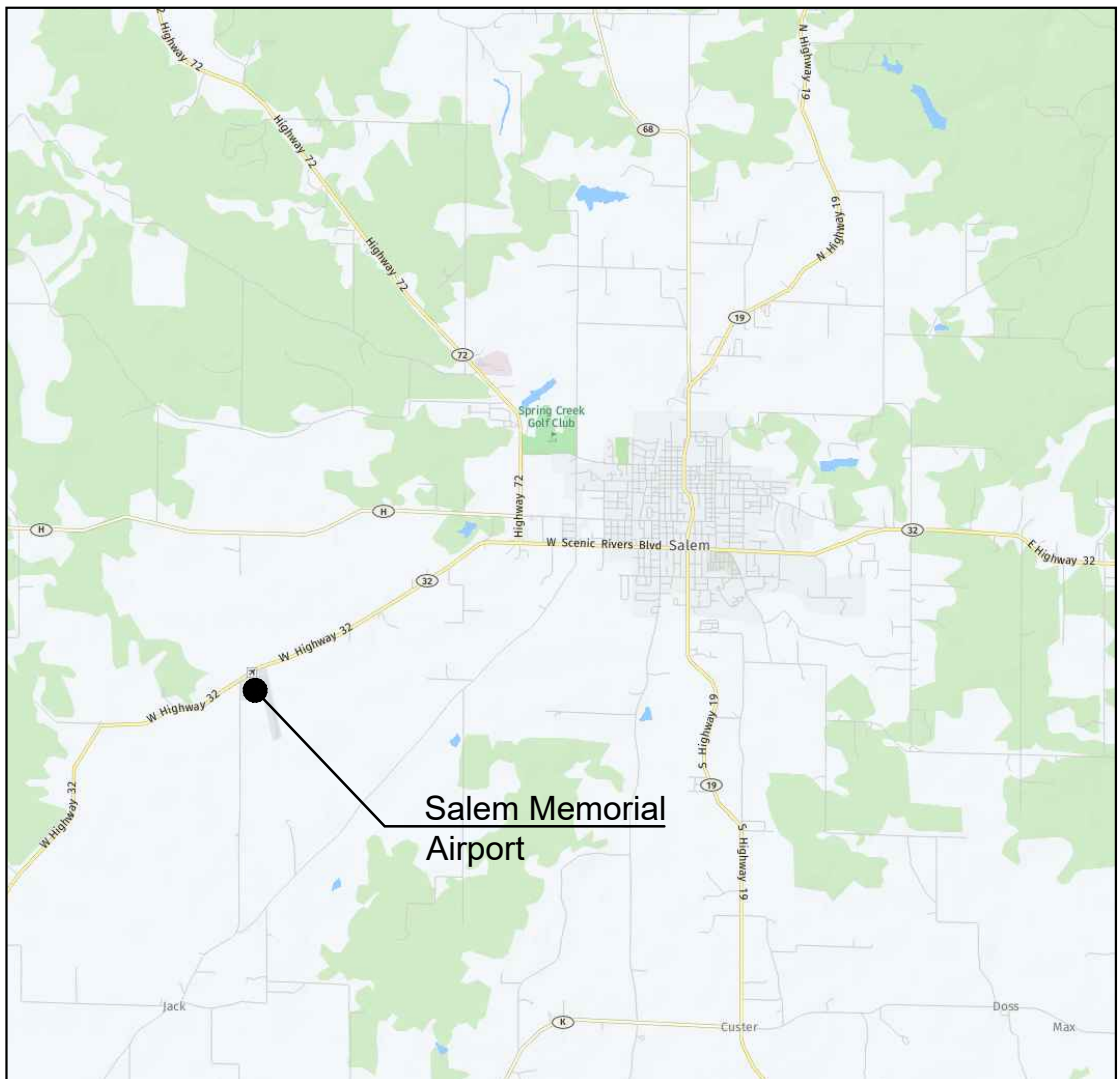
CITY OF SALEM, MISSOURI

CONSTRUCTION PLANS FOR SALEM MEMORIAL AIRPORT

MODOT PROJECT NO.: 17-066A-2

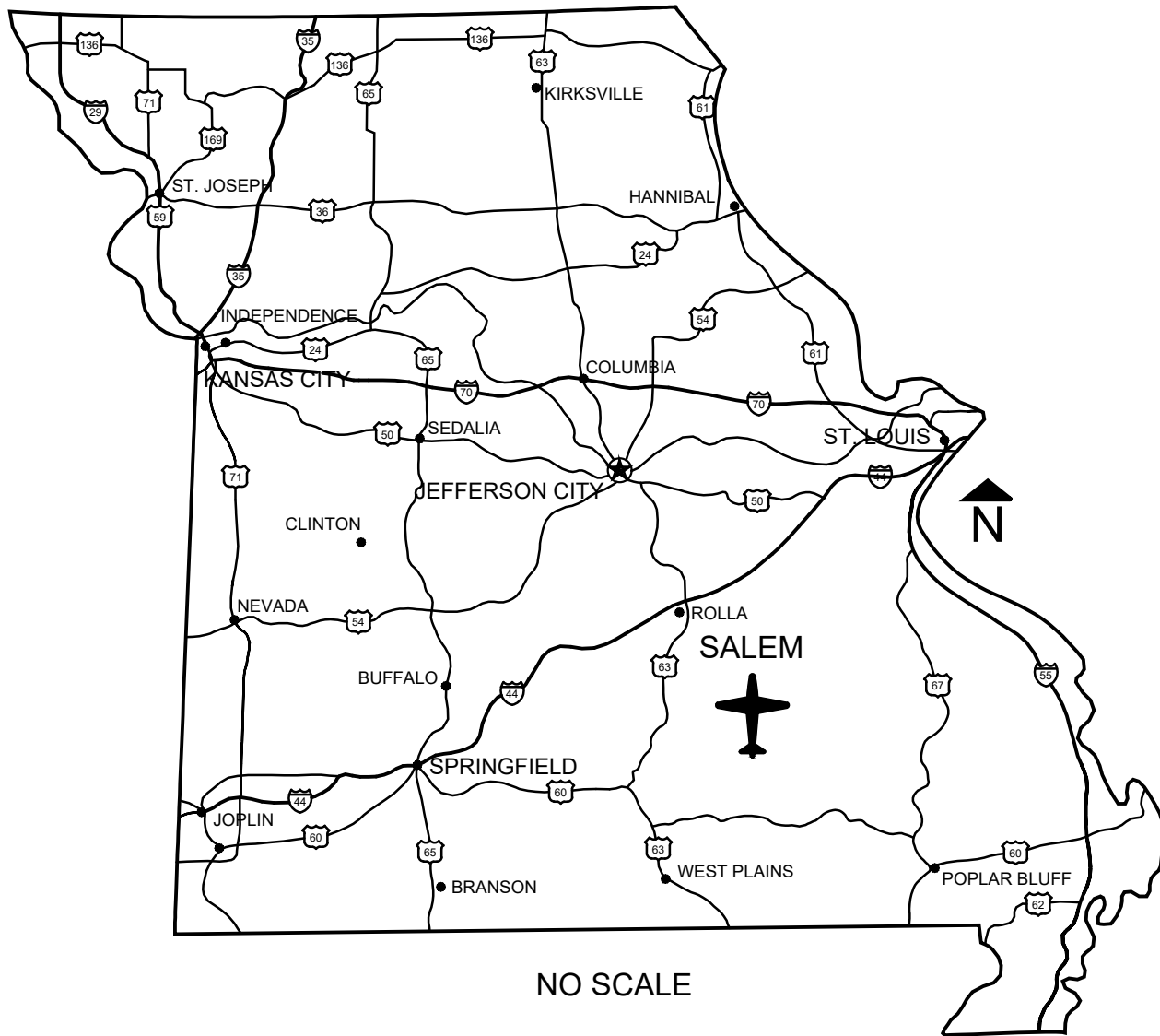
GENERAL DESCRIPTION OF PROJECT:
TREE CLEARING

VICINITY MAP



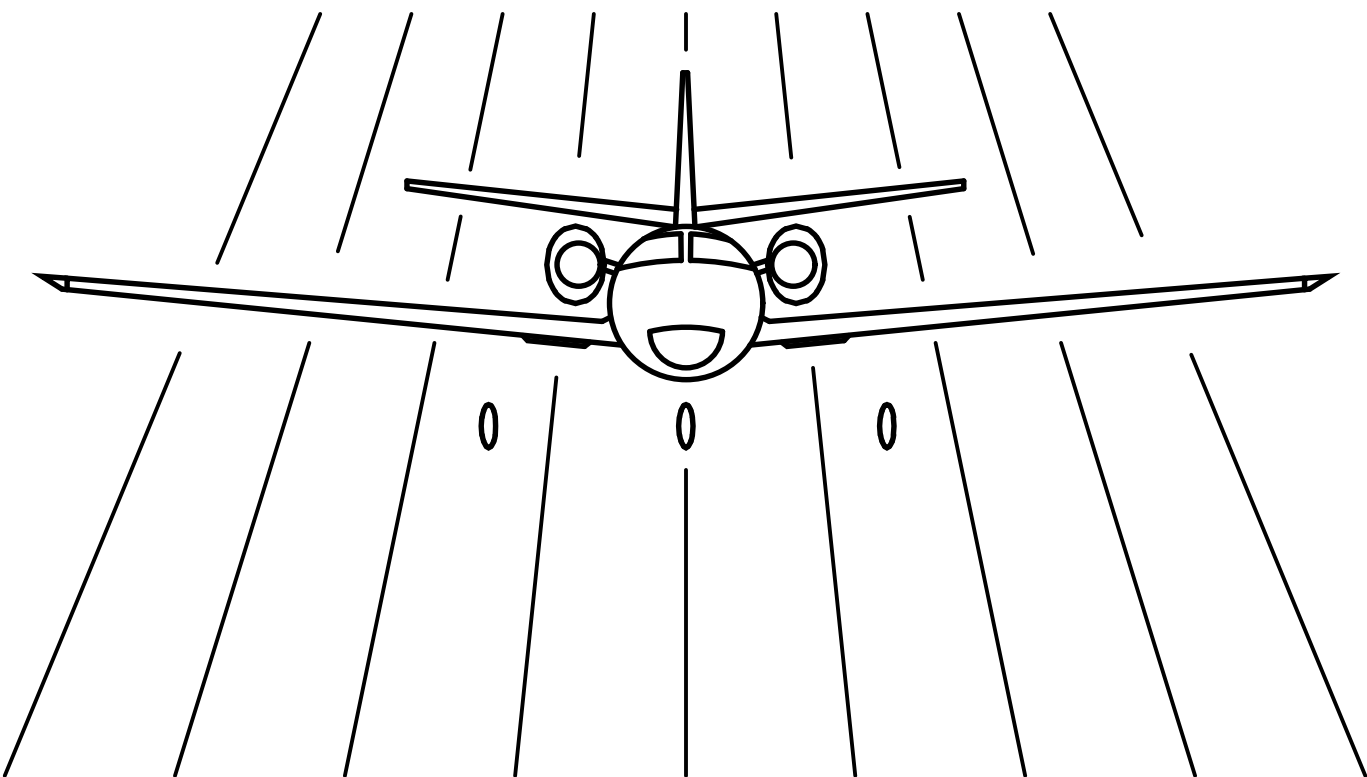
NO SCALE

LOCATION MAP



NO SCALE

INDEX OF SHEETS	
SHEET NUMBER	SHEET TITLE
1	TITLE SHEET
2-3	CONSTRUCTION SAFETY AND PHASING PLAN
4-5	DEMOLITION PLAN
6	FENCING PLAN
7 - 7A	FENCE DETAILS
8-9	AIRPORT EXHIBIT A PROPERTY MAP



AUGUST 2018

RUNWAY END COORDINATES			
RUNWAY END	LAT/LONG	EXISTING	ULTIMATE
RUNWAY 17	NORTH LATITUDE	N 37° 37' 09.31"	N 37° 37' 09.31"
	WEST LONGITUDE	W 91° 36' 20.02"	W 91° 36' 20.02"
	NORTH LATITUDE	N 37° 36' 40.37"	N 37° 36' 40.35"
RUNWAY 35	WEST LONGITUDE	W 91° 36' 11.96"	W 91° 36' 11.96"
	WEST LONGITUDE	W 91° 36' 11.96"	W 91° 36' 11.96"
EXISTING RUNWAY END COORDINATES FOR RUNWAY 17-35 REFLECT AVIATION SYSTEMS STANDARDS DATABASE (FEB 2006), IN NORTH AMERICAN DATUM (NAD83) AND NORTH AMERICAN VERTICAL DATUM (NAVD 88).			

AIRPORT DATA TABLE			
		EXISTING	ULTIMATE
AIRPORT REFERENCE POINT COORDINATES (ARP)	LATITUDE	N 37° 36' 54.8"	N 37° 36' 54.8"
	LONGITUDE	W 91° 36' 16.0"	W 91° 36' 16.0"
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH		89.2° F (JULY)	89.2° F (JULY)
AIRPORT ELEVATION - MEAN SEA LEVEL (MSL)		1,240.9'	1,241.1'
AIRPORT ELECTRONIC NAVIGATIONAL AIDS		VOR/RNAV(GPS)	VOR/RNAV(GPS)
AIRPORT REFERENCE CODE (ARC)		A-I	A-I
TAXIWAY LIGHTING		MITL	MITL
NPIAS SERVICE ROLE		GENERAL AVIATION	GENERAL AVIATION
CRITICAL AIRCRAFT		C-172	PA-31
AIRPORT REFERENCE POINT COORDINATES REFLECT AVIATION SYSTEMS STANDARDS INFORMATION DATABASE IN NORTH AMERICAN DATUM (NAD83) AND NORTH AMERICAN VERTICAL DATUM (NAVD 88).			

RUNWAY DATA TABLE				
	RUNWAY 17-35			
	EXISTING		ULTIMATE	
APPROACH CATEGORY/DESIGN GROUP	A-I (SMALL AIRCRAFT)		A-I (SMALL AIRCRAFT)	
RUNWAY LENGTH/WIDTH	2,998' x 60'		3,000' x 60'	
RUNWAY LIGHTING	MIRL		MIRL	
RUNWAY TYPE/MARKINGS	NON-PRECISION		NON-PRECISION	
EFFECTIVE RUNWAY GRADIENT (%)	0.71%		0.71%	
PAVEMENT MATERIAL	ASPHALT		ASPHALT	
PAVEMENT STRENGTH (LBS.)	12,500 (SWG)		12,500 (SWG)	
RUNWAY SAFETY AREA (RSA) LENGTH	3,478' (240' BEYOND RWY END)		3,480' (240' BEYOND RWY END)	
RUNWAY SAFETY AREA (RSA) WIDTH	120'		120'	
OBJECT FREE AREA (OFA) LENGTH	3,478' (240' BEYOND RWY END)		3,480' (240' BEYOND RWY END)	
OBJECT FREE AREA (OFA) WIDTH	250'		250'	
OBSTACLE FREE ZONE (OFZ) LENGTH	3,398' (200' BEYOND RWY END)		3,400' (200' BEYOND RWY END)	
OBSTACLE FREE ZONE (OFZ) WIDTH	250'		250'	
HOLDING POSITION	125'		125'	
TAXIWAY WIDTH	25' / 35'		25' / 35'	
TAXIWAY MARKING/ LIGHTING	MITL / REFLECTORS		MITL / REFLECTORS	
INSTRUMENT APPROACH AIDS	17	35	17	35
	RNAV(GPS)	RNAV(GPS)	RNAV(GPS)	RNAV(GPS)
VISUAL APPROACH AIDS	PAPI-2L/REILS	PAPI-2L/REILS	PAPI-2L/REILS	PAPI-2L/REILS
	1-MILE	1-MILE	1-MILE	1-MILE
FAR PART-77 APPROACH SLOPE	20:1	20:1	20:1	20:1
	TOUCHDOWN ZONE ELEVATION (TDZE)	1,240.9'	1,240.9'	1,241.1'
(SWG)=SINGLE WHEEL GEAR				
RUNWAY END AND TOUCHDOWN ZONE ELEVATIONS REFLECT RECENT SURVEY (RIGGS & ASSOCIATES, 2005).				



LOCHNER

16105 W. 113th Street | Suite 107 | Lenexa, Kansas 66219
P 816 945.5840 | www.hwlochner.com

CITY OF SALEM, MISSOURI

SALEM MEMORIAL AIRPORT

SALEM, MISSOURI

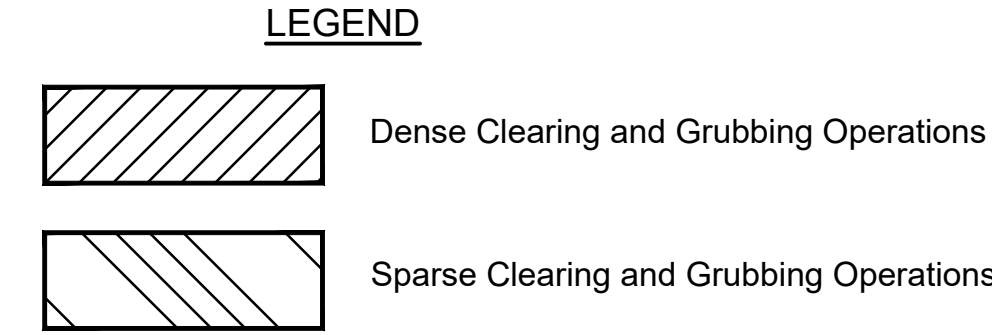
PROJECT NO. 000012848
DRAWN BY LJW DATE 07/13/2018
CHECKED BY CVF DATE 08/03/2018
DESIGNED BY LJW DATE 07/13/2018
REVISIONS DATE

Addendum No. 1 09/05/18


TITLE SHEET

1

3. The existing features shown on these Plans are those noted in the field and those taken from record drawings. This does not guarantee that all features are shown on the Plans. There will be no additional payment to the Contractor due to variations in size, quantity, or location of existing features.
2. The Contractor shall be responsible for locating any underground utilities prior to beginning construction. See Safety Notes for additional information.
3. The Contractor shall be responsible for the restoration of the Contractor's storage area, access, and haul roads if damage has occurred due to construction activities. No direct payment will be made for these items.
4. Waste materials resulting from this Project shall be disposed of off Airport Property unless shown otherwise on these plans.
5. The Contractor will be required to repair any damage to public and airport haul roads caused by the Contractor's trucks and equipment during the construction of the project. Repairs shall be adequate to return the roads to a condition equal to or better than the condition prior to damage. All repair work shall be at the Contractor's expense. The public roads shall be video-recorded in the presence of the Engineer prior to construction in order to document their existing condition.
6. The Construction Safety & Phasing Plan (CSPP) drawings depict haul routes for access from surrounding public roadways and haul routes through the airport perimeter fence. Contractor access and hauling operations are strictly limited to the haul routes shown.
7. Erosion control shall be as shown on the plans and per project specification P-156. The Contractor shall be responsible for implementing the Stormwater Pollution Prevention Plan (SWPPP) as printed in the Appendix of the project specification. All work necessary for implementation of the SWPPP shall be considered subsidiary to P-156: Temporary Air and Water Pollution, Soil Erosion, and Siltation Control.
8. The Contractor shall notify the Airport of any changes on the approved Safety and Phasing Plan at least 72 hours in advance of planned activity for approval and concurrence from the FAA.
9. Any required Borrow Excavation shall be furnished by the Contractor. Borrow areas shall be approved by the Engineer at to suitability of material and location.
10. No equipment or vehicles will be allowed on any pavement surface of the airport.
11. The Contractor shall provide the Airport with the contact information of the Supervisor on site.
12. The Contractor must maintain an operating airfield radio, capable of monitoring radio frequency 122.90, at all times.



GENERAL AIRPORT LAYOUT PLAN

 This sheet revised per
Addendum No. 1.



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CITY OF SALEM, MISSOURI

SALEM MEMORIAL AIRPORT
SALEM, MISSOURI

PROJECT NO.	00001284
DRAWN BY IJW	DATE 07/13/201
CHECKED BY CVF	DATE 08/03/201
DESIGNED BY IJW	DATE 07/13/201
REVISIONS	DATE

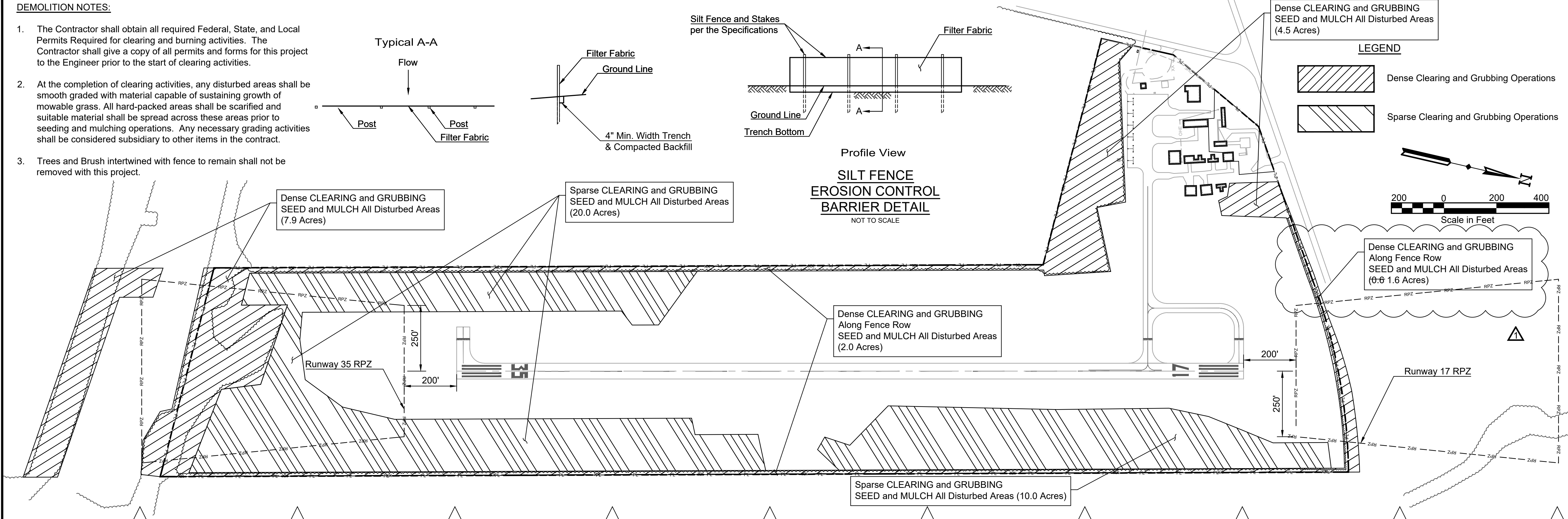
1 Addendum No. 1 09/05/1

CONSTRUCTION SAFETY AND PHASING PLAN

2

DEMOLITION NOTES:

1. The Contractor shall obtain all required Federal, State, and Local Permits Required for clearing and burning activities. The Contractor shall give a copy of all permits and forms for this project to the Engineer prior to the start of clearing activities.
2. At the completion of clearing activities, any disturbed areas shall be smooth graded with material capable of sustaining growth of mowable grass. All hard-packed areas shall be scarified and suitable material shall be spread across these areas prior to seeding and mulching operations. Any necessary grading activities shall be considered subsidiary to other items in the contract.
3. Trees and Brush intertwined with fence to remain shall not be removed with this project.



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CITY OF SALEM, MISSOURI

SALEM MEMORIAL AIRPORT
SALEM, MISSOURI

PROJECT NO.	000012848
DRAWN BY	LJW
CHECKED BY	CVF
DESIGNED BY	LJW
REVISIONS	

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Addendum No. 1 09/05/18

DEMOLITION PLAN

4

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LEGEND

	Dense Clearing and Grubbing Operations
	Sparse Clearing and Grubbing Operations

- DEMOLITION NOTES:**
- The Contractor shall obtain all required Federal, State, and Local Permits Required for clearing and burning activities. The Contractor shall give a copy of all permits and forms for this project to the Engineer prior to the start of clearing activities.
 - At the completion of clearing activities, any disturbed areas shall be smooth graded with material capable of sustaining growth of mowable grass. All hard-packed areas shall be scarified and suitable material shall be spread across these areas prior to seeding and mulching operations. Any necessary grading activities shall be considered subsidiary to other items in the contract.
 - Trees and Brush intertwined with fence to remain shall not be removed with this project.

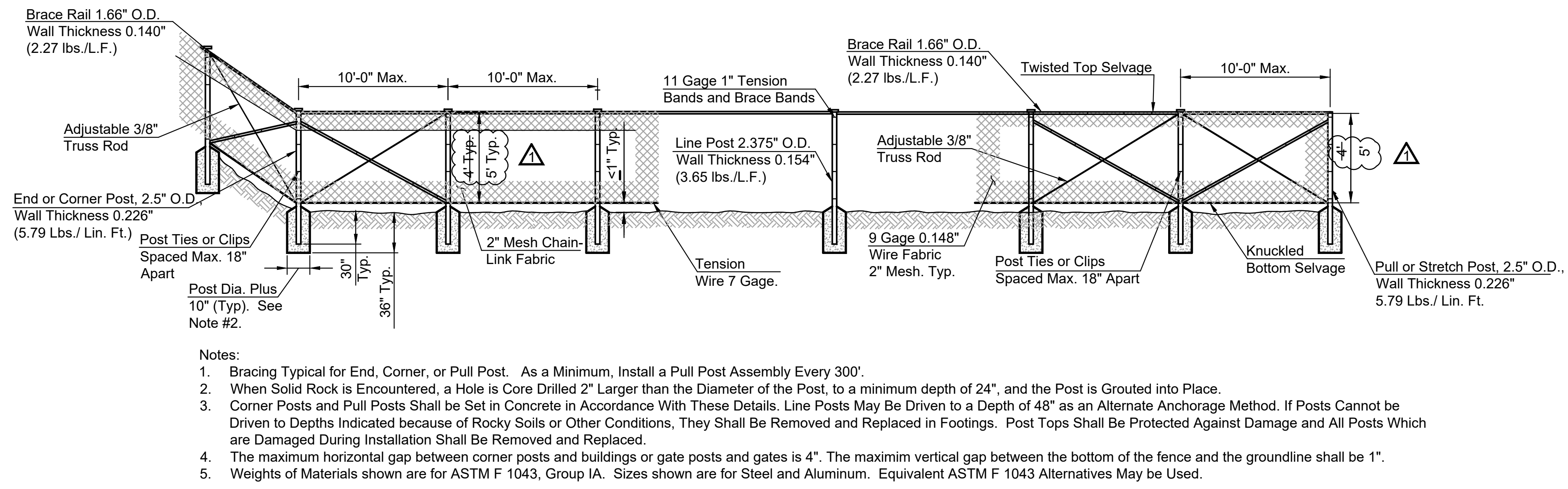
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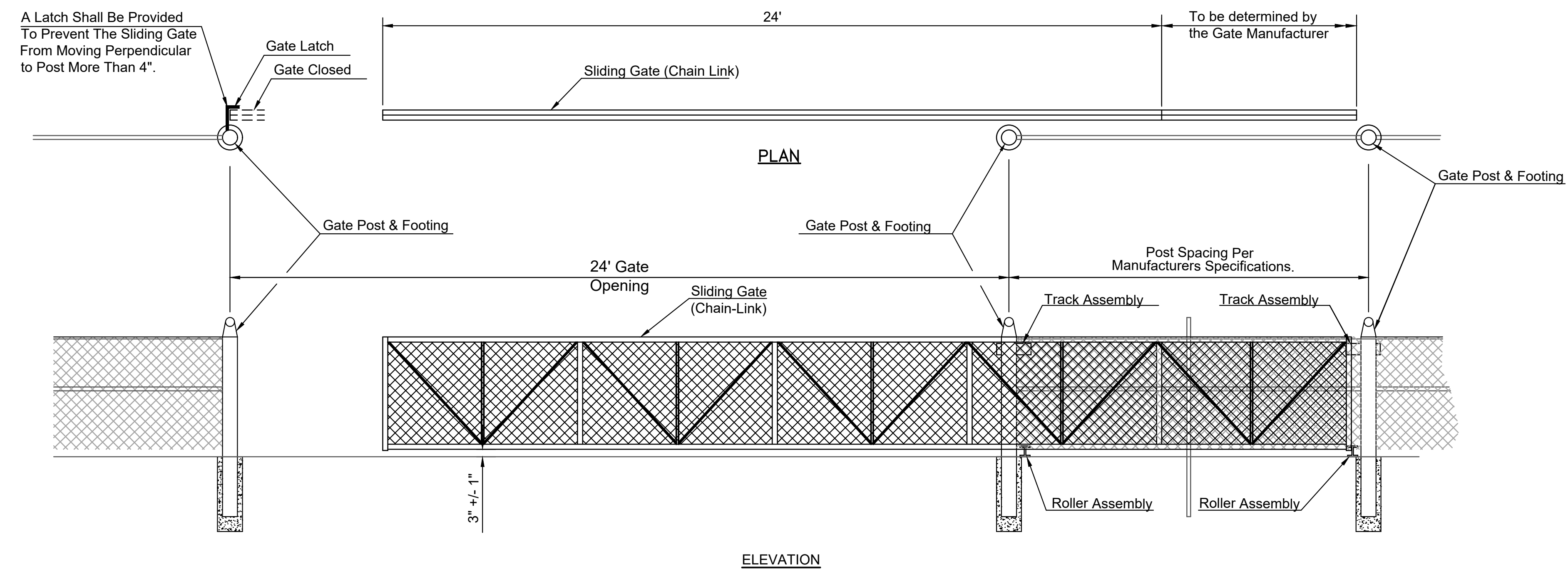
CITY OF SALEM, MISSOURI

SALEM MEMORIAL AIRPORT
SALEM, MISSOURI

PROJECT NO.	000012848		
DRAWN BY	LJW	DATE	07/13/2018
CHECKED BY	CVF	DATE	08/03/2018
DESIGNED BY	LJW	DATE	07/13/2018
REVISIONS		DATE	
Addendum No. 1 09/05/18			
DEMOLITION PLAN			
5			



CHAIN-LINK FENCE DETAIL
No Scale



NOTE:
Sliding Gate and Assembly Must Adhere to Missouri Standard Specifications For Highway Construction, Fence Material Section 1043, Unless Otherwise Approved By The Engineer. Sliding Gate and Assembly shall be Compatible for Future Installation of Motorized Operator.

DRIVEWAY CANTILEVER GATE, CHAIN-LINK FENCE DETAIL
No Scale

GENERAL FENCING NOTES:

- Concrete for Chain-Link Fence and Gates Shall Adhere to F-161-2.3 Wire Fence with Steel Posts (Class C and D Fence) - Concrete and Shall be Considered Subsidiary to Item F-162, Chain-Link Fences.
- Gate Assemblies Shall be Reinforced in accordance with the Details on this Sheet.



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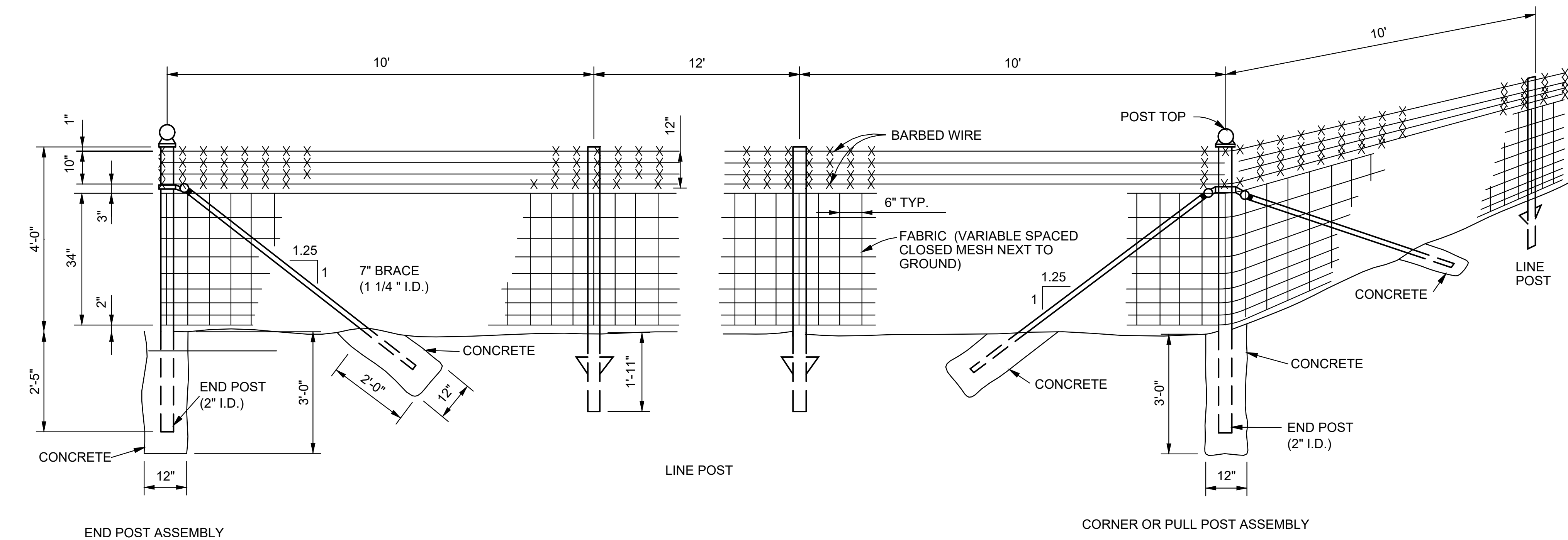
SALEM MEMORIAL AIRPORT
SALEM, MISSOURI

PROJECT NO.	000012848
DRAWN BY	IJW
CHECKED BY	CVF
DESIGNED BY	IJW
REVISIONS	

Addendum No. 1 09/05/18

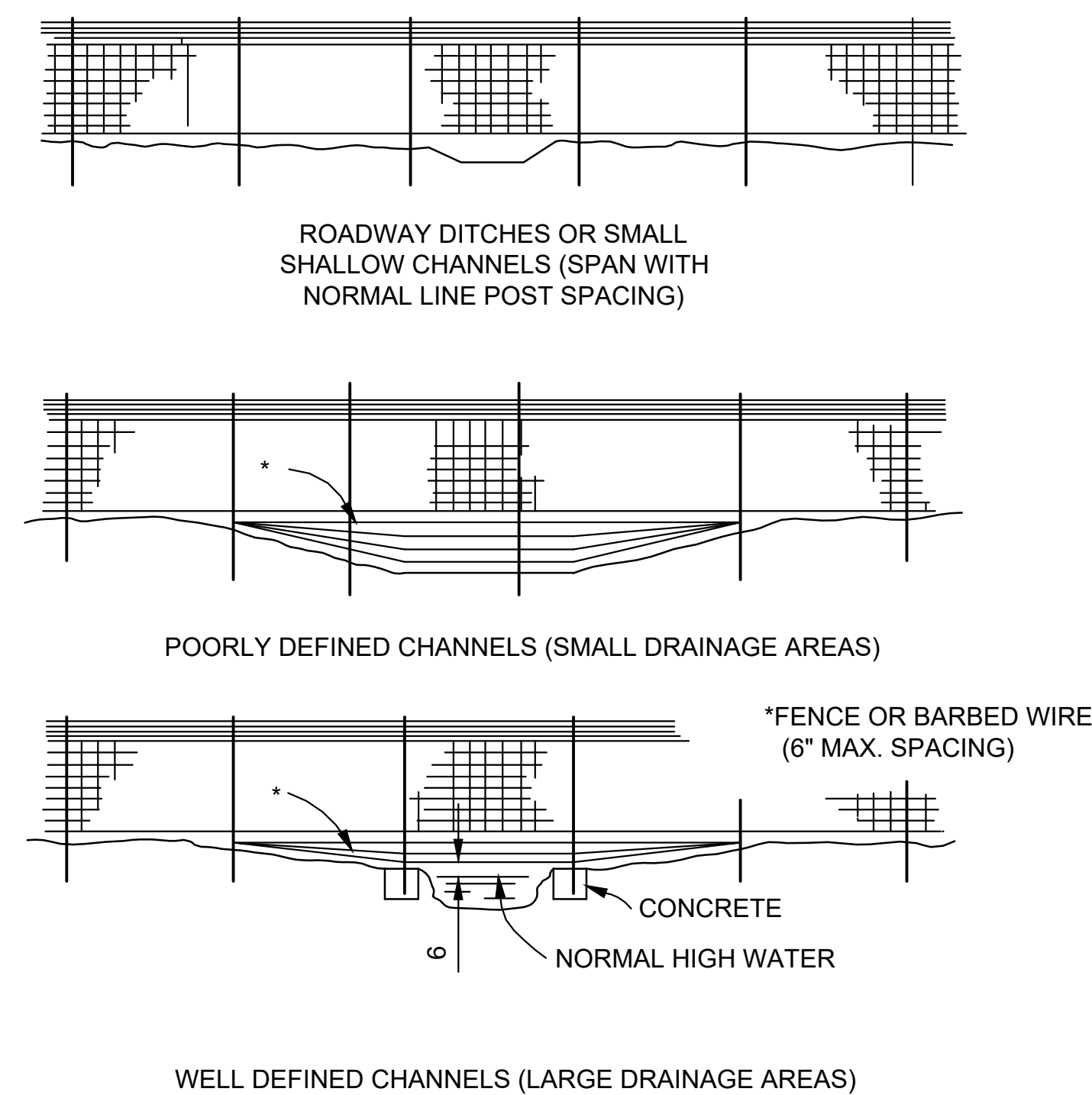
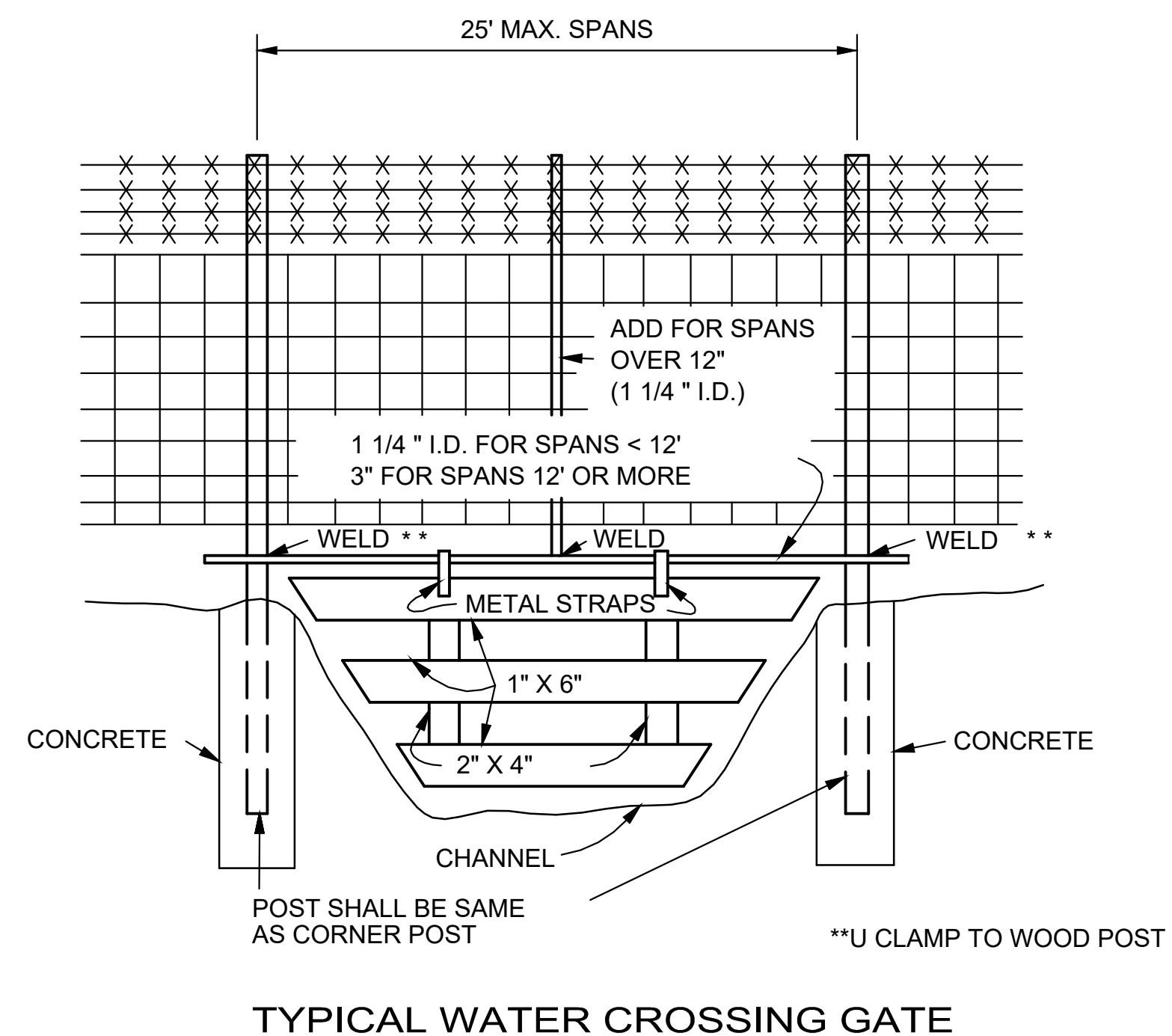
FENCE DETAILS

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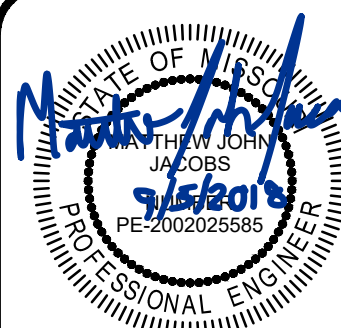
WOVEN WIRE FENCE WITH 2-STRAND BARBED WIRE OVERGUARD DETAIL

This sheet added per
Addendum No. 1.



NOTES

1. Steel Line Posts Shall be an Approved "U", "Y", "T" or Channel Section Notched or Studded with an Anchor Plate. Post Punched with Holes or Self-Fastening Lugs will Not be Permitted.
2. Staples Shall be Screw Shank Type or Equivalent (1-1/4" Minimum Length).
3. Stretched Barbed Wire on Outside of Post on Corners and Curves.
4. Pull Post Assembly to be Installed at 500' Intervals.
5. Pull Post Assembly - Two 6" Top Dia. Steel Post. One 4" Dia. Steel Brace Post. #9 Ga. Tension. Wire Twisted.
6. Post Holes Shall be at Least 6" Larger Than the Dia. of the Post and Shall be Backfilled with Concrete.
7. Attachment of fabric to steel line posts in accordance with manufacturer's recommendation.



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CITY OF SALEM, MISSOURI

SALEM MEMORIAL AIRPORT
SALEM, MISSOURI

PROJECT NO.	000012848
DRAWN BY	LJW
CHECKED BY	CVF
DESIGNED BY	LJW
REVISIONS	

Addendum No. 1 09/05/18

FENCE DETAILS

7A

SALEM MEMORIAL AIRPORT SALEM, MISSOURI

Tree Clearing

MoDOT PROJECT NO. 17-066A-1
LOCHNER JOB NO. 000012848

ATTENDEES LIST FOR PRE-BID MEETING Friday, August 31, 2018 at 2:00 p.m. (CDT)

<u>NAME</u>	<u>COMPANY</u>	<u>PHONE</u>	<u>EMAIL</u>
Ryan DaMetz	Lochner	(816) 945-5861	rdametz@hwlochner.com
Ian Wright	Lochner	(316) 518-9244	iwright@hwlochner.com
Robert Sullivan	H.R. Quadri	(573) 996-6487	roberts@hyquadri.com
Samuel Cook	Advanced Highway Sign	(417) 844-8074	sam@advancedhighwaysign.com
Creed Lillich	McDonald Service Enterprises	(573) 406-3875	lillichcre@yahoo.com
Darrell Goth	MoDOT	(573) 526-7913	darrell.goth@modot.mo.gov
Kent Richmond	Klocke Inc.	(573) 769-6900	krichmond@klockeinc.com
Seth Painter	RFB Construction	(620) 232-2900	sap@rfbconstructionco.com
Rick Clark	RFB Construction	(620) 232-2900	-
Mary Happel	City of Salem	(573) 729-5211	cityclerk@salem.mo.gov

SALEM MEMORIAL AIRPORT SALEM, MISSOURI

Tree Clearing

MoDOT PROJECT NO. 17-066A-2
LOCHNER JOB NO. 000012848

PRE-BID MEETING MINUTES
Friday, August 31, 2018 at 2:00 p.m. (CDT)

I. Introduction of Attendees:

II. Bidding Process:

A. Time and Location:

1. Proposals will be received until **1:00 P.M. (CDT), Tuesday, September 11, 2018** and then publicly opened at:

Salem City Hall
400 N. Iron Street
Salem, MO 65560

Bids received after this time will not be considered.

2. Bids may be held by the City of Salem for a period not to exceed ninety (90) calendar days from the date of the bid opening. **Award of contract is contingent upon the City receiving Federal funding assistance from the Federal Aviation Administration (FAA) and Missouri Department of Transportation (MoDOT).**
3. The intentions are to execute contracts after receiving concurrence in award from the FAA, and then to proceed with construction during Winter of 2018-2019.
4. Envelopes containing bids must be sealed and addressed as shown on Page 2-1 in the Instructions To Bidders of the Contract Documents/Specifications.

B. Contract Provisions:

1. Mandatory contract provisions are identified in Section 3 and Section 4 of the Contract Documents.
2. The EEO goals for this contract are on Page 1-2, 11.4% minority participation and 6.9% female participation in each trade.
3. The DBE goal for this project, as described on Page 1-3, is to subcontract 6.00% of the dollar value of the prime contract to DBEs. It is the responsibility of the Contractor to meet this 6.00% goal. **If the DBE goal is not met, there needs to be substantial documentation of good faith effort (as described on Pages 4-25 through 4-26) in attempts to attain the DBE goal.** The DBE Form is located on Page PF-13 in the Proposal Section.

4. Sixty percent (60%) of the cost of materials or supplies purchased from a DBE regular dealer may be counted. If the materials or supplies are obtained from a DBE manufacturer, 100% of the cost may be counted toward the goal.
5. This contract is subject to the “Buy American Preferences” of the Aviation Safety and Capacity Act of 1990. Prospective Bidders are required to certify that steel and manufactured products have been produced in the United States per the certification included in the Proposal Section on Pages PF-7 through PF-9.
6. The Contractor and all Subcontractors will be required to pay minimum wage rates as established by the United State Department of Labor and Missouri Division of Labor Standards. Minimum wage requirements are identified on the current wage rates included at the end of Section 4. If there is a discrepancy between the two published wage rates, the higher of the two will be used as the requirement.
7. Proposers shall provide a statement of qualifications with their proposal of past similar work, a financial statement, and a statement of plant and equipment proposed for use on the project. In lieu of the financial statement, Contractors may provide evidence that they are pre-qualified with MoDOT for similar work and are on the current MoDOT bidders list.
8. The Contractor and his/her Subcontractors will be required to provide certificates of insurance for at least the minimum amounts specified in Section 4: Supplementary Provisions, Part C: Local Provisions.
9. As part of your proposal, you are required to complete the Worker Eligibility Verification Affidavit on Page PF-12. Note also that you are required to submit with your proposal a completed copy of the first page and a valid copy of the signature page of your E-Verify Memorandum of Understanding.
10. The Contractor is required to provide a 10-hour OSHA construction safety program for all employees who will be on-site at the Project as provided on Page 4-19 and 4-20.
11. Prior to procurement and upon the successful bidder’s request, the City of Salem will provide the successful bidder a state tax exempt certification.

C. Contract Proposal Forms:

1. Proposals must be submitted on the Contract Proposal Form (Pages PF-1 through PF-12). A separate Proposal Form section should be provided by Drexel Technologies for the submittal of bid.
2. When completing the Proposal Form, the unit price needs to be written in numerical form in the column under the header “Unit Price” and the extension (quantity x unit price) needs to be written in numerical form. All bidders submitting proposals must acknowledge receipt of all addendums issued in the space provided in the Proposal on Pages PF-3. Page PF-12 needs to be completed and signed. If for some reason any of the pages of the Proposal Form are changed by addendum, replace the page that was revised in your submittal.
3. The bidder shall submit all required DBE information, as contained on the DBE form located on Page PF-11 of the Proposal Form with their bid.
4. The Buy American Certification on Pages PF-7 through PF-9 needs to be completed by the contractor.

5. A Bid Bond guarantee will be required with each bid as a certified check or a bid bond in the amount of five (5) percent of the total amount of the bid, made payable to the City of Salem. Include the Bid Bond with your Proposal Form in the sealed envelope.
6. The successful bidder will be required to execute the Contract Agreement, the Performance Bond and the Payment Bond. The bonds will be in the amount of 100% of the contract price.

III. Project Description:

- A. The project consists of:

Tree Clearing

- B. The total contract period for construction is thirty (30) calendar days. Liquidated damages are set at \$1,500.00 per calendar day. Delays due to weather and other factors out of the control of the Contractor **that are above and beyond a typical season** may be requested in writing as a reason for contract period extension. The request should be made as soon as the Contractor is aware of an issue with the construction period. The Contractor shall also make every attempt to make up any lost days by working extended periods during the day and/or weekends.
- C. Contractor's access roads, haul roads, and staging areas are shown on the Construction Safety and Phasing Plan (CSPP). The Contractor is responsible for restoring any access roads, haul roads, and staging areas to their original, pre-construction condition at no additional cost to the Owner.
- D. All bidders should carefully review the Construction Safety and Phasing Plan (CSPP) in the Appendix of the Project Manual. The Contractor's Safety Plan Compliance Document (SPCD) will also be required prior to the start of construction.
- E. The Contractor is responsible for implementation of the Stormwater Pollution Prevention Plan (SWPPP) contained in the Appendix of the Project Manual. Sheet 4 of the Plans show the erosion control measures necessary for the Project.
- F. Keep the project area free from loose or blowable debris at all times.
- G. It is the Contractor's responsibility to locate existing utilities prior to construction by contacting Missouri One Call at 1-800-DIG-RITE. Any damage to existing utilities shall be repaired by the Contractor at no additional cost to the Owner.

IV. Additional Notes:

- A. Burning will be allowed on airport property and must be coordinated with the Engineer prior.
- B. Mulching in place will be allowed for any clearing and grubbing operations.

V. Optional Site Visit for Attendees.