ADDENDUM NO. 1
Reconstruct Runway 18/36, Lighting, PAPI’s, REIL’s & Wind Cone
Gould Peterson Municipal Airport
Tarkio, Missouri
**Bid Date: April 28, 2020 – 1:30 pm**
MoDOT# 18-001A-1A
Olsson Project No. 019-1607

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

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

**Plans**

1. Insert sheets 55 – 61 into plan set dated 3/30/20.

2. Refer to the Plan Sheets 62, 63, 64 and 65

   Delete the existing Plan Sheets 62, 63, 64 and 65 in their entirety and **REPLACE** with the attached Plan Sheets 62, 63, 64, and 65 dated 3/30/20.

**Specifications**

3. Refer to Specification P-610 Concrete for Miscellaneous Structures, Section 1.1

   Add the following to Section 610-1.1:

   “For small projects less than 20 cubic yards, concrete meeting state department of transportation specifications MODOT Class B-1 Concrete may be used.”

Each Bidder must acknowledge receipt of all addenda in the space provided on the Proposal Form.
5" CONCRETE SLAB w/ 15 MIL VAPOR BARRIER AND 4" COMPACTED GRANULAR FILL. REINFORCE w/ 6x6 W2.9xW2.9 W.W.F. CENTERED IN SLAB ON SAND CHAIRS. FINISHED FLOOR ELEVATION = 100' (CIVIL ELEVATION = 920.50').

1' - 4" INTERIOR FURRED WALL CONSTRUCTED w/ 2" x 16 GAUGE 'Z' HORIZONTAL STEEL FURRING STRIPS (GALVANIZED) AT 24" O.C., 2" EXTRUDED POLYSTYRENE INSULATION BOARD (OWENS CORNING FOAMULAR 250, OR APPROVED EQUAL), AND 3/4" PLYWOOD WALL PANEL (PAINTED).

LANDINGS & RAMPS SLAB ON GRADE TO BE 5" CONCRETE SLAB w/ VOID FORM. REINFORCE w/ #4 @ 12" O.C., EACH WAY, CENTERED IN SLAB. FINISHED SLAB ELEVATION = VARIES.

NOTICE: MASONRY CONTROL JOINTS NOT REQUIRED FOR THIS STRUCTURE.

Landing Eivy AT NORTH EDGE = 98' - 6 3/8" (919.03'), SEE CIVIL LANDING ELEV AT NORTH EDGE = 97' - 5 3/8" (917.95'), SEE CIVIL LANDING ELEV AT NORTH EDGE = 100' - 0" (920.50'), SEE CIVIL.
SEE DETAIL 4/S6 FOR SUPPORT OF BALLISTIC PANEL BEHIND EXHAUST FAN

T.O. CMU WALLS = 108'-8" (ALL FOUR SIDES)

DECK SPAN SLOPE DOWN 8 1/2" CONCRETE SLAB ROOF w/ 3VLI 18 GAUGE STEEL COMPOSITE DECK (GALVANIZED), TAPERED INSULATION AND SINGLE-PLY MEMBRANE.

T.O. ROOF SLAB = 109'-4 1/2"

10 1/2"x10 1/2" EXHAUST FAN OPENING (EF-1), SEE MECHANICAL

SEE DETAIL 9/S6 FOR BALLISTIC PANEL ENCASEMENT FOR MECHANICAL WALL OPENING
NORTHERN WALL:
- CMU COLOR TYPE 1
- CMU COLOR TYPE 2
- CMU COLOR TYPE 1
- CMU FULLY GROUTED
- #5 VERTS @ EACH CORNER, EACH JAMB, AND 32" O.C.

EASTERN WALL:
- CMU COLOR TYPE 1
- CMU COLOR TYPE 2
- CMU FULLY GROUTED
- #5 VERTS @ EACH CORNER, EACH JAMB, AND 32" O.C.

SOUTHERN WALL:
- CMU COLOR TYPE 1
- CMU COLOR TYPE 2
- CMU FULLY GROUTED
- #5 VERTS @ EACH CORNER, EACH JAMB, AND 32" O.C.

WESTERN WALL:
- CMU COLOR TYPE 1
- CMU COLOR TYPE 2
- CMU FULLY GROUTED
- #5 VERTS @ EACH CORNER, EACH JAMB, AND 32" O.C.

RAMP/STAIRS:
- 1' - 4" (1/S7 & 2/S7)
- 2' - 0"

ROOF SLOPE:
- 109'-4 1/2"

BASE BID:
- FONS & PORTER
- TARKIO, MISSOURI

RECONSTRUCT RUNWAY 18/36, LIGHTING, PAPI'S, REIL'S & WIND CONE

PHOTO: 1800-624-2004
EMAIL: info@olsson.com
INTERIOR FURRED WALL CONSTRUCTED WITH 2" X 16 GAUGE 'Z' HORIZONTAL STEEL FURRING STRIPS (GALVANIZED) AT 24" O.C., 2" EXTRUDED POLYSTYRENE INSULATION BOARD (OWENS CORNING FOAMULAR 250, OR APPROVED EQUAL), AND 3/4" PLYWOOD WALL PANEL (PAINTED)

8" CMU WALL (TYP)

ROOF DECK

94'-8" T.O. FTG

GRADE (TYP)

97'-6" FIN GRADE

TEMPORARY SHORING NEAR MIDSPAN OF ROOF DECK REQUIRED UNTIL CONCRETE ROOF SLAB HAS REACHED 70% OF DESIGN STRENGTH
GENERAL NOTES

1. JOB IS SUBJECT TO INTERNATIONAL BUILDING CODE

2. DEAD LOAD
   - LIGHTWEIGHT CONCRETE
     - 1.5 psf
   - PLAT FORMS
     - 2.5 psf
   - MECHANICAL AND ELECTRICAL
     - 2.0 psf
   - LIVE LOAD
     - 50 lb/ft²

3. LIVE LOAD
   - 20.0 psf w/ NO PROVISION REDUCTION

4. FOUNDATION
   - MEAN GROUND LOAD (Lbow)
     - 3.0 psf
   - MAXIMUM SUPERFICIAL PRESSURE (C)
     - 1.0 psf
   - MAXIMUM SUPERFICIAL PRESSURE (C)
     - 2.0 psf
   - MAXIMUM SUPERFICIAL PRESSURE (C)
     - 6.0 psf

5. VIBRATORY
   - VIBRATION SPEED (V)
     - 30 MPH
   - VIBRATION PRESSURE COPY (C)
     - 0.25

6. DESIGN
   - CONCRETE UNIT WEIGHT
     - 140 lb/ft³
   - CONCRETE MORTAR PROPORTION FACTOR
     - 1.8
   - SPECTRAL RESPONSE COEFFICIENT
     - 4.5

7. MATERIALS
   - CONCRETE UNIT GROUP
     - 1
   - REINFORCING BARS (A)
     - 9/16" #5
   - REINFORCING BARS (A)
     - 3/4" #6

8. GENERAL NOTES AND DETAILS
   - CONCRETE PROPERTIES AND MIX DESIGNS SHALL BE AS FOLLOWS:

9. CONCRETE & REINFORCING STEEL
   - DOCUMENTATION ILLUSTRATING SAID APPROVAL, IN CONJUNCTION WITH THE MIX DESIGN INFORMATION.

10. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING MIX DESIGN THAT HAS BEEN PREVIOUSLY APPROVED FOR USE BY THE NORTHWEST DISTRICT OF THE MISSOURI DEPARTMENT OF TRANSPORTATION.

11. BARS AT ALL CORNERS AND INTERSECTIONS.
   - HORIZONTAL REINFORCING IN FOOTINGS AND STEMWALLS SHALL BE CONTINUOUS.
   - PROVIDE CORNER BARS AT ALL CORNERS OF REINFORCEMENT.
   - PSF SOIL BEARING PRESSURE IS OBTAINED PRIOR TO PLACEMENT OF THE FOUNDATION.

12. RECOMMENDATIONS OF THE GEOTECHNICAL EXPLORATION REPORT BY OLSSON (PROJECT NO. 019 - DESIGN). CONCRETE DRAWINGS ARE INTENDED TO BE USED WITH MECHANICAL DRAWINGS.

13. NO CHANGES IN SIZE OR DIMENSION OF STRUCTURAL MEMBER SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE PROFESSIONAL OF RECORD.

14. GENERAL NOTES
   - NO OPENINGS SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE PROFESSIONAL OF RECORD.
   - NO CHANGES IN SIZE OR DIMENSION OF STRUCTURAL MEMBER SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE PROFESSIONAL OF RECORD.

15. STRUCTURAL CONCRETE SHALL BE MECHANICALLY CONVEYED IN ACCORDANCE WITH ACI 301.

16. PROVIDE A 2-HOUR CONCRETE FIRE PROTECTION AT ALL HORIZONTAL AND VERTICAL JOINTS DESIGNS.

17. ALL MINIMUM WORK SHALL CONFORM TO BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES ACI 318-11 FOR ALL OTHER CONSTRUCTION.

18. CONCRETE MASONRY UNIT (CMU) MUST BE ORDINARY TYPE I LIGHTWEIGHT UNIT SMALL CORNER BARS TO DETECT AND PREVENT AN UNBALANCED CMU SHOWN ON THE DRAWING ARE REQUIRED.

19. MORTAR SHALL MEET THE PROPERTY SPECIFICATIONS OF ASTM C270, AND CMU MORTAR SPECIFICATIONS OF THE MANUFACTURER. APPROVED ADHESIVE ANCHORS SHALL BE BY HILTI OR AN APPROVED EQUAL.

20. ALL MASONRY MATERIALS ARE NOT ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

21. USE LOW-LIFT METHODS OF PLACING THE CMU (MOIST CONCRETE). TOP OF EACH CUBE POUR 4" ABOVE TOP OF ALL BARS TO PROVIDE JOINT FOR NEXT MIX.

22. REINFORCING SMALL CONTOUR AT CMU IS TO BEolph IN DESCRIPTION.

23. ACI 305 Poured Concrete Slab, Inc. Joint reinforcement shall be continuous down to control joints.

24. ALL MASONRY WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI 305.120-6R-89 FOR ALL OPENINGS.

25. CONCRETE VERTICAL REINFORCEMENT, U.N.O.

26. CAN BE SECURED TO THE STEEL DECK IN ACCORDANCE WITH THE STEEL DECK MANUFACTURER’S SPECIFICATIONS.

27. CONCRETE WARNING SIGNS AND SAFETY SIGNS MUST BE ORTHOGRAPHICALLY DRAWN TO SCALE.

28. INSTALL TEMPORARY BRACING AT ALL C.M.U. WALLS. DO NOT REMOVE TEMPORARY BRACING UNTIL WALL IS PERMANENTLY BRACED BY CONNECTION TO THE ROOF STRUCTURE.

29. C.M.U. WALL, SEE PLAN.

30. PROJECT NO. 019 - DESIGN.

31. MASONRY WALLS SHALL BE LAYED IN RUNNING BOND, U.N.O.

32. CONCRETE SHOULDER, U.N.O.

33.竖向钢筋在所有结构构件的转角处连续。

34. 水平钢筋在脚手架和挡土墙处连续。

35. 提供垂直钢筋在控制缝中。

36. 当控制缝被指示时，混凝土表面应符合C305-99。

37. 连续性钢带在所有结构构件的转角处连续。

38. 提供垂直钢筋在控制缝中。

39. 当控制缝被指示时，混凝土表面应符合C305-99。

40. 竖向钢筋在所有结构构件的转角处连续。

41. 水平钢筋在脚手架和挡土墙处连续。

42. 提供垂直钢筋在控制缝中。

43. 当控制缝被指示时，混凝土表面应符合C305-99。

44. 竖向钢筋在所有结构构件的转角处连续。

45. 水平钢筋在脚手架和挡土墙处连续。

46. 提供垂直钢筋在控制缝中。

47. 当控制缝被指示时，混凝土表面应符合C305-99。

48. 竖向钢筋在所有结构构件的转角处连续。

49. 水平钢筋在脚手架和挡土墙处连续。

50. 提供垂直钢筋在控制缝中。

51. 当控制缝被指示时，混凝土表面应符合C305-99。

52. 竖向钢筋在所有结构构件的转角处连续。

53. 水平钢筋在脚手架和挡土墙处连续。
1. Masonry Control Joints
2. Typical Lintel
3. Typical Opening Reinforcement in CMU
4. Unistrut Support for Ballistic Panel (EF-1)
5. Unistrut Support for Ballistic Panel (L-1)
6. Lowside Roof Detail
7. Highside Roof Detail
8. Gable Roof Detail
9. Ballistic Panel Encasement