

**CAPE GIRARDEAU REGIONAL AIRPORT
CITY OF CAPE GIRARDEAU, MISSOURI**

ADDENDUM NO. 1

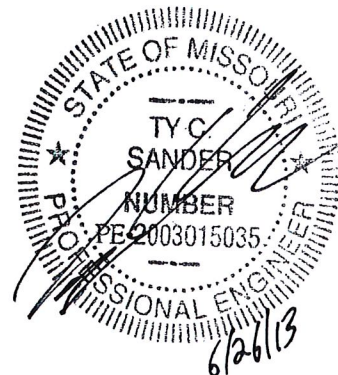
for

State Project No. AIR-12-007A-1

CONSTRUCT 10-UNIT T-HANGAR AND ASSOCIATED PAVEMENTS

June 26, 2013

Prepared By:



ADDENDUM NO. 1
CONSTRUCT 10-UNIT T-HANGAR AND ASSOCIATED PAVEMENTS

This addendum is herewith a part of the Contract Documents of the above issued project, and is issued to amend and supplement the June 12, 2013 construction plan drawings and proposal, contract documents, and specifications.

The **CONTRACT DOCUMENTS** are revised as follows:

SECTION 5, Item 1300 – THANGAR BUILDINGS, 1.09 BUILDING REQUIREMENTS, A:

MODIFY: The "clear door width" for Base Bid #2 10-Unit Nested T-Hangar shall be modified from 44'-0" Min. to 43'-8" Min.

SECTION 5, Item 1300 – THANGAR BUILDINGS, 1.09 BUILDING REQUIREMENTS, G Overhead Doors, 2):

DELETE: second sentence.

ADD: Upon closing of the bi-fold door, these locks shall "pull" the door up to the door frame.

SECTION 5, Item 1300 – THANGAR BUILDINGS, 1.11 GUTTERS:

DELETE: this section

SECTION 6

ADD: The attached pre-bid meeting minutes

The **CONSTRUCTION PLANS** are revised as follows:

SHEET 5 OF 23

DELETE: This sheet.

ADD: Attached sheet.

ACKNOWLEDGEMENT

Each bidder shall acknowledge receipt of this **Addendum No. 1** of ***CONSTRUCT 10-UNIT T-HANGAR AND ASSOCIATED PAVEMENTS***, by his/her signature affixed hereto, and shall attach this Addendum to the original bid.

CERTIFICATION BY BIDDER

SIGNATURE _____

TITLE _____

COMPANY _____

DATE _____

FAX TRANSMITTAL

To: Crawford, Murphy & Tilly, Inc

Attention: Ty Sander

Re: Addendum #1

Fax 314.436.0723

From:

(name)

(company)

Date:

To verify that all contractors are in receipt of this addendum, Contractors are asked to sign and date this acknowledgement sheet. The Contractor should fax or mail to Crawford, Murphy, & Tilly, Inc. at the number listed below by **July 3, 2013**.

Crawford, Murphy, & Tilly, Inc.
One Memorial Drive, Suite 500
Saint Louis, Missouri 63102

Fax: (314) 436-0723
Phone: (314) 436-5500

BY: CRAWFORD, MURPHY, & TILLY, INC.

6/26/2013 K:\Cape_Gr\134050100\Draw\Sheets\005_Const_Act_Plan.dgn

02

CONSTRUCTION ACTIVITY NOTES

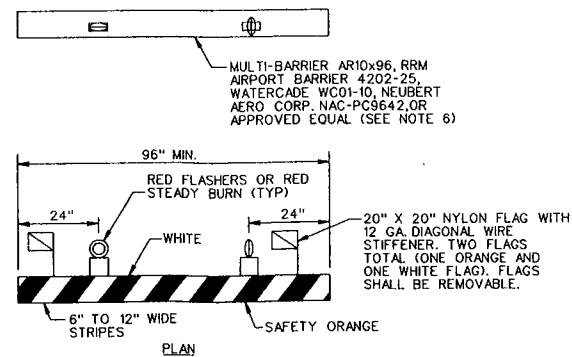
1. CONSTRUCTION SHALL INCLUDE THE CONSTRUCTION OF A NEW 10-UNIT T-HANGAR BUILDING AND THE PLACEMENT OF FILL, CRUSHED AGGREGATE BASE, BITUMINOUS PAVEMENT, IN-PAVEMENT INLETS AND ASSOCIATED DRAINAGE PIPES, PAVEMENT MARKING, AND SEEDING AND MULCHING.
2. ALL AIRPORT PAVEMENTS WILL BE OPEN TO TRAFFIC DURING CONSTRUCTION EXCEPT TAXILANE 2. ALL CONSTRUCTION VEHICLES SHALL YIELD TO ALL AIRCRAFT TRAFFIC AT ALL TIMES. AIRCRAFT ACCESS TO AND FROM THE NORTH SIDE OF THE EXISTING SOUTH T-HANGAR ON TAXILANE 2 WILL BE ALLOWED BY TOW ONLY. THE CONTRACTOR SHALL KEEP EXISTING TAXILANE 2 PAVEMENT CLEAN OF DEBRIS AND SWEEP AS NECESSARY TO THE SATISFACTION OF THE ENGINEER FOR THE DURATION OF THE PROJECT.
3. PHASE 1 WORK SHALL BE ACCOMPLISHED IN 45 CALENDAR DAYS. PHASE 1 WORK IS FOR PROCUREMENT OF THE T-HANGAR BUILDING MATERIALS ONLY. IF CONSTRUCTION WORK BEGINS BEFORE THE END OF THE ALLOTTED PHASE 1 CALENDAR DAYS, THE CONTRACTOR WILL FORFEIT THE REMAINING PHASE 1 CALENDAR DAYS.
4. PHASE 2 WORK SHALL BE ACCOMPLISHED IN 100 CALENDAR DAYS. PHASE 2 WORK INCLUDES CONSTRUCTION OF THE T-HANGAR BUILDING AND ALL OTHER WORK NOT SPECIFICALLY INCLUDED IN PHASE 3.
5. PHASE 3 WORK SHALL BE ACCOMPLISHED IN 28 CALENDAR DAYS. PHASE 3 WORK SHALL BE ACCOMPLISHED SIMULTANEOUSLY WITH PHASE 2. PHASE 3 WORK SHALL INCLUDE INSTALLATION OF STORM SEWER, EARTHWORK, SOIL PREPARATION AND ALL BASEROCK, BITUMINOUS PAVING AND PREPARATION AND PAVEMENT MARKING.
6. PHASE 3A WORK SHALL BE ACCOMPLISHED WITHIN THE PHASE 3 CALENDAR DAYS. PHASE 3A WORK INCLUDES ALL WORK WITHIN THE TAXILANE 4 SAFETY AREA. THIS AREA EXTENDS 39.5 FEET ON BOTH SIDES OF THE TAXILANE 4 CENTERLINE. EARTHWORK IN THIS AREA SHALL HAVE A MAXIMUM SLOPE OF 5%. THERE SHALL BE NO DROPOFFS GREATER THAN 3" FROM EXISTING PAVEMENT TO DIRT AT ALL TIMES UNLESS SPECIALLY COORDINATED. CONTRACTOR SHALL COORDINATE TIE INS WITH THE ENGINEER AND AIRPORT AT LEAST 48 HOURS IN ADVANCE.
7. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING PIPES AND INLETS. THE CONTRACTOR SHALL AVOID DRIVING ABOVE THESE STRUCTURES

ADDENDUM NO. 1 - 6/28/13

LEGEND

- PHASE 2 WORK
- PHASE 3 WORK
- PHASE 3A WORK
- WORK AREA
- PROPERTY LINE
- PROPOSED LOW PROFILE BARRICADES
- EXISTING BUILDING
- CONTRACTOR ACCESS
- CONTRACTOR STAGING AND STORAGE
- FLAG MAN

SCALE
0 100 200 300



BARRICADE NOTES:

1. FLASHER OR STEADY BURN LIGHTS SHALL BE BATTERY OR SOLAR POWER OPERATED. LENS SHALL BE RED AND BE ABLE TO ROTATE 90°.
2. FACING OF BARRICADE SHALL BE COVERED WITH REFLECTIVE TAPE OR PAINT.
3. BARRICADES TO BE PLACED WITH A MAXIMUM OF 20' SPACING CENTER TO CENTER ALONG OPERATIONAL PAVEMENT ADJACENT TO CONSTRUCTION AS DIRECTED BY THE RESIDENT ENGINEER. ALTERNATE FLASHER OR STEADY BURN LENSES SO THAT EVERY OTHER LENS IS ROTATED 90°.
4. FLASHER OR STEADY BURN LIGHTS SHALL BE SECURED TO THE BARRICADES, AS APPROVED BY THE RESIDENT ENGINEER.
5. BARRICADES SHALL BE OF LOW MASS, EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT OR ANY OF IT COMPONENTS, AND WEIGHTED TO AVOID BEING BLOWN OVER.
6. BARRICADES SHALL BE OF A COMMERCIAL DESIGN AND SHALL MEET CURRENT FAA REQUIREMENTS.

LOW PROFILE LIGHTED BARRICADE
N.T.S.

REVISIONS		
NUMBER	BY	DATE
1	TWM	6/28/13

0 1 2
THIS BAR IS EQUAL TO 2'
AT FULL SCALE (34X22).
PLOT 1

CAPE GIRARDEAU REGIONAL
AIRPORT
CAPE GIRARDEAU, MISSOURI
CONSTRUCT 10-UNIT T-HANGAR AND
ASSOCIATED PAVEMENTS

STATE PROJECT NO. 12-077A-1

ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63103
CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
© Copyright CMT, Inc.
PROFESSIONAL ENGINEERING - 000851

FILE:
DESIGN BY: TWM
DRAWN BY: TWM
CHECKED BY: TCS
APPROVED BY: TCS
DATE: JUNE 12, 2013
JOB No: 13405-01
CONSTRUCTION
ACTIVITY PLAN
SHEET 5 OF 23 SHEETS

Agenda
Pre-Bid Meeting
Cape Girardeau Regional Airport
Construct 10-Unit T-Hangar and Associated Pavements
Project No. 12-077A-1
June 26, 2013 – 10:00 AM

Italics Denote Pre-Construction Meeting Discussions

→ **Introductions / Sign-in sheet**

→ **Bids**

- Due Tuesday 7/9/13 at The Office of the City Engineer – **10:00 AM CDT**
- DBE Goal is **4%**
- Submit as part of the bid the following:
 - Entire Bound Project Manual (Spec Book)
 - Bid Bond
 - Proper Signatures on last page of Proposal Form
- The City of Cape Girardeau reserves the right to reject any or all bids, as determined to be in the best interest of the City.

→ **Contractor's Operational Requirements**

- FAA AC150/5370-2F – Operational Safety on Airports During Construction
- Contractor's Safety Plan Submittal
- All Vehicles and Equipment Shall Have Airport Orange and White Flags
- Contractor to provide Airport Radios for key personnel
 - Personnel with Airport Radios should have a way to communicate with all personnel
- All work shall stay clear of the Runway
- *Flagmen are required as shown on the Construction Activity Plan*
- *Bruce Loy mentions that the contractor's access point may change. He will look at the current proposed access point and talk with tenants in the area.*

→ **Plans/Specifications**

- Site Access
- Phasing
 - The work shall be completed as part of three phases
 - Phase 1 -
 - 45 consecutive Calendar Days after First Notice to Proceed is issued
 - Phase 1 is for procurement only. If the contractor chooses to begin construction before the conclusion of Phase 1 calendar days, the remaining Phase 1 calendar days will be forfeited and the construction calendar days will begin.
 - *It is repeated during the meeting that no construction work will be allowed during Phase 1.*
 - Phase 2 –
 - 100 consecutive Calendar Days after the Second Notice to Proceed is issued
 - Includes all work not specifically included in Phase 3.
 - Liquidated damages = \$750 per day for each day that extends beyond the allowable consecutive calendar days.
 - Phase 3 –

- 28 consecutive Calendar Days simultaneous with Phase 2.
- Phase 3 shall consist of all items of work that require full time inspection from the construction management team: installation of the storm sewer, earthwork, soil preparation, baserock, bituminous paving and pavement marking
- The separate Phase 3 work items do not have to be completed simultaneously or consecutively and the contractor may request suspension of the Phase 3 calendar days between different work items. However, once the calendar days are initiated for a specific work item in a specific area, the days may not be suspended until that specific work item is completed.
- Liquidated damages = \$750 per day for each day that extends beyond the allowable consecutive calendar days.
- *Phase 3A includes work inside the 39.5' Taxilane safety area.*

➔ Proposed Improvements

- Pre-Engineered 10 Unit T-Hangar Building
 - Base Bid #1
 - Approximately 11,800 square feet
 - Base Bid #2
 - Approximately 14,850 square feet
 - Requires a firewall as shown on Sheet 18
 - Extra pavement required to the west and east
 - Marking re-location required on existing taxilane to the north
 - Additive Alternate
 - Pave existing infield areas south of Taxilane #2
- Erosion Control
 - Silt Fence with Wire Support.
 - Seeding & Mulching within 14 days for each disturbed area.
 - SWPPP Inspections until final acceptance of project.
- Storm Drainage
 - Series of inlets and pipes to drain the areas north and south of the proposed hangar to an existing drainage system.
- Bituminous Pavement
 - 4" Bituminous Pavement (MO-401) on new 6" Crushed Aggregate Base Course (MO-209-5.1) on 12" Liquid Lime (MO-155)
 - The building foundation will be MO-610 Structural Portland Cement Concrete on aggregate base and will be considered incidental to the T-Hangar pay item.
 - The 12" Liquid Lime under the building will be paid for under item P-155.

➔ Paving may be tweaked based on building manufacturer. Some building manufacturer layouts may be a foot or so wider than what is shown in plans. Any adjustments will be made before construction begins.

➔ If Base Bid #2 is awarded, a new Grading plan and Staking plan will be issued. Inlet locations will also change because of the larger footprint of the Base Bid #2 building.

➔ If the Additive Alternate is awarded, Grading and Staking plans will be issued for that area.

➔ **Bidding Schedule / Grant Process**

June 26, 2013 Pre-Bid Meeting

July 9, 2013 Open Bids

Project Award

First Notice to Proceed for building procurement

Second Notice to Proceed for start of construction. (45 days after the First NTP)

→ Construction Time Frame

- 145 Calendar Days.
- This timeline includes a forty-five (45) calendar day period for shop drawing review and ordering of materials that shall begin when the first Notice to Proceed is issued. At the conclusion of this forty-five (45) calendar day period a second Notice-to-Proceed will be issued that will begin the final one hundred (100) calendar day period for the actual construction of the Building, Pavement and all associated project construction incidentals.
- If seeding is not established upon completion of work, calendar days will be suspended until seeding is established.
- No work allowed while calendar days are suspended.
- Removal of silt fence and straw bales to occur after establishment of seeding.
- Liquidated Damages of \$750 per day for each day over time allowed. This is to cover the extra construction inspection cost.
- Work will start after the pre-construction meeting has been held.

→ Questions / Comments

- *Darrell Goth with MoDOT asks that we go over the FAA 7460 airspace submittal. Ty Sander with CMT states that as soon as the contract is awarded the contractor needs to submit a FAA 7460 for any equipment over 25 feet that is to be used at the project site. Ty mentions that CMT can help the contractor obtain latitudes and longitudes for this submittal.*
- *What exactly does the CSPP submittal entail? The contractor must draft a document stating that they will be in compliance with the CSPP notes and Construction Activity Plan. The guidelines for writing this document can be found in FAA AC 150/5370-2F. A copy of this document is provided in the Project Manual/Specifications.*
- *The DBE goal is 4% and the contractor must subcontract 4% of the work or make good faith efforts to meet the DBE goal with documentation to support this. The goals for Minority and Female Participation that are listed on page 3 of the Project Manual are the workforce diversity goals which are outlined in Section 4.*
- *Flagmen will only be required when construction traffic is crossing active airfield pavement.*
- *Where are the locations of the barricades? The barricades are located across Taxilanes #2 and #3 as shown on the Construction Activity Plan sheet.*
- *Will any permits be required? A building permit from the City of Cape Girardeau will need to be obtained. The City is currently reviewing the plans from CMT and will need the structural building and foundation plans when they become available.*
- *It is repeated that the concrete and aggregate for the building foundation will be paid for as part of the building pay item. The lime under the building will be paid for under the P-155 pay item.*
- *A question was asked if the 45 calendar days for Phase 1 could be extended. Building manufacturers were consulted when determining calendar days. The calendar days for Phase 1 will remain at 45 days.*

Cape Girardeau Regional Airport
Construct 10-Unit T-Hangar and Associated Pavements
State Project # 12-077A-1

Pre-Bid Meeting - June 26, 2013 - 10:00 AM

Sign-In Sheet

Name	Company	Phone	Fax	E-mail (for minutes and addenda)
Jennifer Heimbunger	Heimbunger Const	573 431-4387	573 431 4369	jeh@heimburgerconstruction.com
Steve Chapman	Shawnee Electric	573-335-1758	573-335-0140	Steve@shawneeelectric.com
Gabe Wunderlich	ZOEHLNER CONST	573-547-8030	573-547-6671	gabew@zcco.biz
ROGER POTTHRESS	ASA ASPHALT	573-243-1310	573-335-5311	RPOTHRESS@GMAIL.COM
COOY WATERS	Same as above	573-321-0698	↑	cooywaters126@hotmail.com
Jake Garrard	City of Cape	339-6377		Mgarrard@cityofcape.org
Ryan Pense	Gregory Construction	573-243-7655	573-243-6468	rpense@gregoryconstructioninc.com
Northen Ross	Nip Valley	573-334-0553	573-334-2025	nresse@nipvalleyco.com
Tan Morris	CNT	314-436-5500	—	tmorris@cntengr.com
Bruce Loy	Cape Airport	573-334-6230	573-334-0449	blooy@cityofcape.org
Ty Gaudin	CNT	314-436-5500		tsanda@cmTengr.com

* Donnell Gartin phoned in