

# **Addendum Number 1**

**Malden Regional Airport**

**Apron/Taxiways Project**

**AIRE No. 13-079A-1**

**March 19, 2014**

**Malden Regional Airport  
Apron/Taxiways Project  
AIRE No. 13-079A-1  
Addendum Number 1  
March 19, 2014**

This Addendum is herewith made a part of the Contract Documents of the above issued project, and is issued to amend and supplement the February 23, 2014 drawings and specifications as follows:

The contractor shall acknowledge receipt of the addendum in the proposal form. Failure to acknowledge receipt of the addendum on the Proposal Form on page 101 may disqualify a bid.

**PRE-BID ATTENDEES & MINUTES**

See attached list of attendees and meeting minutes.

**PROPOSAL FORM**

Replace: Proposal Form, page 99, attached to the addendum. Staple the replacement bid schedule form into the ***Proposal, Contract Documents, and Specifications*** Booklet on page 99.

Revise: on Proposal Form to following plan quantities:

BASE BID			
BID ITEM	FAA or MoDOT SPEC.	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS
2	MO-125-5.1	Taxiway RetroReflective Markers	62 EA
9	SP-2	Butt-Joint	1,150 LF

**SPECIFICATION REVISIONS/ CLARIFICATIONS**

**Section L-125-2.3**

Add: The Elevated Taxiway Edge Retroreflective markers shall be mounted on the pavement surface with four hot dipped galvanized lag or adhesive anchor bolts. For the adhesive anchors, the bonding agent must be epoxy meeting the requirements of MoDOT Standard Specification for Highway Construction, Section 1039.40.2. Anchor bolt minimum embedment depth into the existing pavement surface is 3 inches. The minimum anchor bolt diameter is ½ inch.

The mounting system for the Elevated Taxiway Edge Retroreflective markers must feature a quick release mechanism with a locking metal pin allowing any damaged part of the Elevated Taxiway Edge Reflective marker to be replaced without dismounting the base from the pavement surface. The marker post length must be between 14" and 24".

Delete: All references to Mounting in Turf.

## PLANS REVISIONS/CLARIFICATIONS

### Sheet 4, Construction Activity Plan

Add: During Phase 2 Runway 18/36 must be closed. During Phase 2 prior to runway closure, the contractor shall install Runway Closure X's at both ends of Runway 18/36 according to the Closure Marker detail on plan sheet 4. When the work at the intersection of Runway 18/36 and Taxiway T-6 is completed, the contractor shall remove the Runway Closure X's prior to the airport re-opening the runway. The Runway Closure X's must be furnished by the contractor.

### Sheet 5 of 9 Typical Sections

Revise: the width of 2 inch asphalt overlay on Taxiway T-6 to 35 feet. Delete dimensional references to an overlay width of 50 feet.

### Sheet 6 of 9 Overlay and Marking Plan Sheet 1 of 2

Revise: the width of 2 inch asphalt overlay on Taxiway T-6 to 35 feet. Delete dimensional references to an overlay width of 50 feet.

Add: All edges of the new 2 inch thick asphalt overlay except butt joint locations must be tapered.

### Sheet 7 of 9 Overlay and Marking Plan Sheet 2 of 2

Add: Inside the footprint of the open hangar the following applies: 1.) The Paving fabric will be omitted, 2.) The contractor may substitute an approved MoDOT BP-2 asphalt mix design contingent upon the engineers review and approval of the mix. If the contractors substitutes the BP-2 for a BP-1 mix design within the footprint of the open hangar, no distinction for mix type will be made for measurement & payment purposes.

Add: All edges of the new 2 inch thick asphalt overlay except butt joint locations must be tapered.

### Sheet 9 of 9 Edge Reflectors Plan Sheet

Delete: Delete nineteen new Elevated Taxiway Edge Reflectors shown on the southeast side of the 2 inch Apron/Taxiway asphalt overlay between Taxiways T-6 & T-8. Elevated Taxiway Edge Retroreflective Markers will only be installed on the northwest side of the 2 inch Apron/Taxiway asphalt overlay between Taxiways T-6 & T-8.

Revise: the Apron/Taxiway Elevated Edge Reflector (L-853) detail per the descriptive information specified under addendum Section L-125 herein.

Add: Elevated Taxiway Edge Retroreflective Markers shall be located as shown on the drawing or as revised by the resident engineer during the construction phase however the contractor is responsible for installing the Elevated Taxiway Edge Reflective Markers at the specified location including all necessary surveying.

**End of Addendum 1**

**PROPOSAL FORM (Addendum No 1.)**  
**MALDEN REGIONAL AIRPORT**  
**State Block Grant Project No. 13-079A-1**

TO: Barbara Crayne, Airport Manager

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

**Apron/Taxiways Project**

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:

<b>BASE BID</b>							
BID ITEM	FAA or MoDOT SPEC.	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		EXTENSION	
				DOLLARS	CTS	DOLLARS	CTS
1	MO-100-5.1	Mobilization	1 LS				
2	MO-125-5.1	Taxiway RetroReflective Markers	62 EA				
3	MO-401-5.1	Bituminous Surface Course (BP-1 MIX)	4,310 Ton				
4	MO-603-5.1	Bituminous Tack Coat	5,202 Gal				
5	MO-620-5.1	Airport Marking - Yellow	3,272 SF				
6	MO-620-5.2	Airport Marking - Black	400 SF				
7	MO-622-5.1	Crack and Joint Sealing	1,000 LF				
8	SP-1	Non-Woven Fiberglass/Polyester Interlayer Paving Mat	34,681 SY				
9	SP-2	Butt-Joint	1,055 LF				
10	SP-3	Mooring Eye Installation	18 EA				
<b>TOTAL BID (Base Bid)</b>							

**Insert Pre-bid Minutes**

**Pre-Bid Meeting Minutes**

**Malden Regional Airport  
Apron/Taxiways Project  
Project No. 13-079A-1  
Meeting Date: March 12, 2014 @ 2 p.m.**

**→ The following points were noted regarding bidding:**

- Bids are due **Tuesday 3/25/14** at Malden Regional Airport Conference Room, 3075 Mitchell Drive, Malden MO – **2:00 PM CDT**.
- The DBE Goal for the contractors bid proposal is **0%**.
- The contractor must submit the Bid Proposal Form within the entire bound project manual. Do not disassemble the booklet for the purpose of bidding. The bid must include a bid bond for 5% of the contract cost. Make sure the proposal forms include the proper signatures.
- The engineer confirmed the City of Malden, MO reserves the right to reject any or all bids, as determined to be in the best interest of the City.

**→ The following points were noted regarding the Contractor's Operational Requirements**

- For Working on the airport the Contractor must follow the operational safety requirements presented in FAA AC150/5370-2F – Operational Safety on Airports During Construction.
- For Working on the airport the Contractor must follow FAA AC150/5210-2D – Painting, Marking and lighting of Vehicles used on airports.
- The contractor will have to submit a Safety Plan Compliance Document (SPCD) in accordance with FAA AC 150/5370-2F.
- All Vehicles and Equipment Shall Have Airport Orange and White Flags or Flashing mounted light.
- Key Contractor personnel must have radios.

**→ The following points were noted regarding the Plans and Specifications**

- The site access and contractors staging and storage location is shown on Plan Sheet 2.
- The project consist of 5 construction phases. The phases and restrictions regarding the phases and barricade placement is shown on Plan Sheet 4.
- The project is funded with federal money and therefore must conform to all the federal EEO requirements included Bacon Davis Wage Rates and submission of certified payrolls.
- The project is Buy American. Do not overlook this fact as all materials will have to be confirmed as Buy American in writing.

**→ The following items were noted regarding the project proposed improvements:**

- The work will consist of a 2" Bituminous Overlay over existing asphalt similar to the project done in 2005.
- A paving fabric as specified must be placed before the asphalt overlay.
- Crack Repairs will be done on Taxiway T-6 prior to fabric and overlay.
- The project will include Mooring Eye installation at the locations shown.
- The project will include Butt Joints. It was decided at the meeting to reduce the quantity of Butt Joints.
- The project will include Pavement Marking.

- The project will include Elevated Taxiway Edge Retroreflective markers.

**→ The following points were noted regarding the Specifications**

- The asphalt specifications is a FAA/MoDOT Aviation specifications. There are references to the MSSHC for materials, however all construction methods are based upon FAA standards.

**→ The following points were noted regarding the Bidding Schedule:**

- Pre-Bid Meeting March 12, 2014.
- The bids will be opened March 25, 2014.
- Anticipate if an award is made, the NTP for Construction will be issued approximately at the end of May.

**→ The following points were noted regarding the construction time frame and liquidated damages:**

- The project duration is 26 Calendar Days from the date of the Notice-to-Proceed.
- Work will start after a pre-construction meeting is conducted.
- Liquidated Damages of \$750 per day for each day over time allowed and \$750 for every 4 hours Runway 18/36 is closed over time allowed.
- Calendar Days will be suspended during the curing period prior to the application of Pavement Marking.
- No work allowed while calendar days are suspended.

**→ The following points were noted regarding questions & comments**

1. At the meeting it was confirmed an approved MoDOT BP-2 mix may be substituted for paving within the footprint of the open hangar only.
2. At the meeting it was confirmed the quantity of butt joints would be reduced by the addendum.
3. At the meeting confusion was noted regarding the paving fabric and if installation by a qualified sub was required. In the addendum it was confirmed a qualified sub was used at Piedmont and will be required by the project for the GlasPave 25 fabric and the Tru-Pave fabric.
4. The contractor will have to furnish & install closure X's on Runway 18/36 for Phase 2.
5. The method of attaching the Elevated Taxiway Edge Retroreflective markers to the pavement surface will be confirmed by the engineer. The addendum confirms the method of attachment will be with adhesive anchors with epoxy as the anchor bolt bonding agent. Taxiway reflectors must be solid blue.

**Insert Pre-bid Attendees List**



MALDEN Regional Airport

MARCH 12, 2014 ; 2:00 pm

APRON / TAXIWAY Project

13-079A-1

LIST OF Attendee's

	<u>NAME</u>	<u>Company</u>	<u>Phone # + EMAIL</u>
1.	DAVE NAUMAN Project Engineer	CMT	636-728-8778 DNAUMAN@CMTENGR.COM
2	Kenneth Lambert ASA Asphalt Inc	Advance MD	573-722-3111 ASAAsphalt@SBGGlobal.net <del>ASAS</del>
3	John Reeson Chester Bross Const, Hannibal MO		573-221-5955 FAX 573-221-1892
4	Darrell B. GoTH Mo DOT Aviation		573-526-7913 Darrell.GoTH@modot.mo.gov
5	Barbara Crayne Malden		573-276-2279 airport@maldenmo.com
6			

**Insert Plan Holder List**

**MALDEN REGIONAL AIRPORT  
APRON/TAXIWAYS PROJECT  
PLAN HOLDERS LIST**

CMT Job No. 13488-01-00

**Fee = \$15**

STATE PROJECT NO. 13-079A-1

Last Updated: 3/10/2014

	Company	Contact Name	Qty Plans & Specs	Date Sent
1	Malden Regional Airport 3077 Mitchell Drive Malden, MO 63863		1	2/26/2014
2	Missouri ISqFt Plan Room 135 Weldon Parkway, Suite A Maryland Heights, MO 63043 (P) 800-364-2059 (F) 866-570-8187	Rachel Sabourin	1	2/27/2014
3	MoDOT Multimodal Operations -Aviation 830 MoDOT Drive Jefferson City, MO 65102 (P) 573-526-3619 (F) 573-526-4709	Elizabeth Duvall	1	2/27/2014
4	Missouri AGC Construction News (ePlan) 4115 S. Providence Road Columbia, MO 65203 (P) 573-634-5574 (F) 573-634-3510	Plan Room	1	2/27/2014
5	McGraw-Hill Construction Dodge 3315 Central Avenue Hot Springs, AR 71913 <a href="http://www.construction.com/projectcenter/">www.construction.com/projectcenter/</a>	Plan Room	1	2/27/2014
6	The Builders' Association 1907 Pennsylvania Drive Columbia, MO 65202 (P) 573-214-2470 (F) 573-214-2472	Plan Room	1	2/27/2014
7	Reed Construcion Data 30 Technology Parkway South Norcross, GA 30092 (P) 800-424-3996	Document Processing	1	2/27/2014
8	McConnell & Associates 2646 Creve Coeur Drive St. Louis, MO 63144 (P) 314-962-1920 (F) 314-962-6831	Greg	1	2/27/2014
9	Apex Paving Company 1208 S. Kingshighway Cape Girardeau, MO 63702 (P) 573-331-7561 (F) 573-331-7566	Cecilia Walker	1	2/27/2014
10	Pace Construction Company, LLC 1620 Woodson Rd. St. Louis, MO 63114 (P) 314-524-7223 (F) 314-991-5183	Ellen Sims	1	2/27/2014
11	ASA Asphalt, Inc. P.O. Box 557 Cape Girardeau, MO 63702 (P) 573--722-3111 (F) 573-335-5311	Roger	1	2/27/2014
12	Control Line, Inc. 11805 Benham Rd. St. Louis, MO 63138 (P) 314-741-1637 (F) 314-355-3642	Roberta	1	3/5/2014

**MALDEN REGIONAL AIRPORT  
APRON/TAXIWAYS PROJECT  
PLAN HOLDERS LIST  
Fee = \$15**

CMT Job No. 13488-01-00

STATE PROJECT NO. 13-079A-1

Last Updated: 3/10/2014

	Company	Contact Name	Qty Plans & Specs	Date Sent
13	Zoellner Construction, Co., Inc. 875 PCR 500 Perryville, MO 63775 (F) 573-547-8030 (F) 573-547-8034	Gail	1	3/6/2014
14	Chester Bross Construction Company P.O. Box 43 Hannibal, MO 63401 (P) 573-221-5958 (F) 573-221-1892	Nancy	1	3/10/2014
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

**MALDEN REGIONAL AIRPORT  
APRON/TAXIWAYS PROJECT  
PLAN HOLDERS LIST  
Fee = \$15**

CMT Job No. 13488-01-00

STATE PROJECT NO. 13-079A-1

Last Updated: 3/10/2014

	Company	Contact Name	Qty Plans & Specs	Date Sent
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				