



**BOYNE CITY  
AIRPORT ADVISORY BOARD  
MEETING**

Thursday, February 22, 2018 at 5:30 p.m.  
Airport Terminal  
Boyne City Municipal Airport  
1040 E. Main Street

1. CALL TO ORDER & PLEDGE OF ALLEGIANCE
2. ROLL CALL
3. READING AND APPROVAL OF MINUTES  
Approval of the January 25, 2018 minutes
4. CORRESPONDENCE
5. CITIZENS COMMENTS (non-agenda items)
6. REPORTS OF OFFICERS, BOARDS AND STANDING COMMITTEES
7. UNFINISHED BUSINESS
  - A. Airport Goals
  - B. Other
8. NEW BUSINESS
  - A. Hanger A-13 is available for rent
  - B. Airport Conference Report
  - C. Other
9. GOOD OF THE ORDER
  - A. The fuel price remains at \$4.24 per gallon as of October 23, 2017.
10. ANNOUNCEMENTS
  - The next regular Airport Advisory Board meeting is scheduled for Thursday, March 22, 2018.
11. ADJOURNMENT



Approved: \_\_\_\_\_

**MEETING OF  
JANUARY 25, 2018**

**RECORD OF THE PROCEEDINGS OF THE MEETING OF THE BOYNE CITY  
AIRPORT ADVISORY BOARD HELD JANUARY 25, 2018.**

**CALL TO ORDER**

**Chair Schmidt** called the meeting to order at **5:30 p.m.** followed by the pledge of allegiance.

**ROLL CALL  
ATTENDANCE**

**Present:** Richard Bouters, Jerry Schmidt, \*Richard Wright, Brian Harrington, Oral Sutliff

**Absent:**, \* Leon Jarema,\*Bud Chipman, \*Rod Cortright, Leon Vercruysee

*\*Ex Officio Members*

**Citizens:** Ken Allen

**Staff:** Airport Manager/City Manager, Michael Cain  
Andy Kovolski – DPW Supervisor

**EXCUSED ABSENCES  
MOTION**

NONE

**APPROVAL OF MINUTES  
MOTION**

Motion by **Harrington** Seconded by **Bouters PASSED UNANIMOUSLY** to approve the **October 27, 2017** minutes as amended.

Motion by **Bouters** Seconded by **Harrington PASSED UNANIMOUSLY** to approve the **January 18, 2018** Special Meeting Minutes as written.

**CORRESPONDENCE**

The board reviewed a letter from C. S. Mott Children's Hospital to AvFuel. (see attached letter)

**CITIZENS COMMENTS  
(NON-AGENDA ITEMS)**

Ken Allen reported that he is taking a trip and will spend some time visiting airports and gathering information he finds helpful to the Boyne City Airport.

**COMMITTEES**

NONE

**UNFINISHED BUSINESS**

**A. Tree Removal – Richard Wright Report.**

1. Richard Wright reported on his research to have trees and brush removed from Airport property. He has been in contact with a tree service regarding this issue. Andy Kovolski from the DPW indicated that city crews will begin clearing brush as soon a weather permits.

2. Richard Wright reported on the Update Summary of the Action Plan regarding the Airport Inspection Plan. Compliance issues: 1. Signage: Signs on the airport property considered obstruction hazards have been removed. 2. Water spigot: The board authorized the City Manager to have the Water Department replace the above ground water spigot used by the Drag Race Committee with an underground version. (see handout)

Moved by **Harrington** Seconded by **Bouters** **PASSED**

**UNANIMOUSLY** to recommend to the Drag Race Committee that they pay for the water spigot change as well as pay for damages to the taxiway incurred during Drag Race activities.

**B. Airport Goals:** The board review its list of prospective goals for the airport and ranked these in order of priority. The information gathered will be compiled and discussed at the February 22, 2018 Advisory Board meeting.

## NEW BUSINESS

### **A. Jerry Schmidt – Resignation from Board/Re-appointment as Ex Officio Member:**

1. Motion by **Bouters** Seconded by **Harrington** **PASSED UNANIMOUSLY** to recommend to the City Commission to accept the resignation of Jerry Schmidt from the Airport Advisory Board.
2. Motion by **Harrington** Seconded by **Bouters** **PASSED UNANIMOUSLY** to recommend to the City Commission to re-appoint Jerry Schmidt to the Airport Advisory Board as an Ex Officio member.
3. Motion by **Bouters** Seconded by **Harrington** **PASSED UNANIMOUSLY** to recommend to the City Commission to appoint Richard Wright to fill Jerry Schmidt's vacancy on the Airport Advisory Board with a term ending 8/24/2018.

### **B. Election of an Airport Advisory Board Chairperson:**

1. Motion by **Harrington** Seconded by **Schmidt** **PASSED UNANIMOUSLY** to appoint Richard Bouters as the Chairperson of the Airport Advisory Board.
2. Motion by **Bouters** Seconded by **Schmidt** **PASSED UNANIMOUSLY** to appoint Richard Wright as the Secretary of the Airport Advisory Board.

### **C. Airport Hangar Leases:**

1. On February 25, 2018 the City will begin operation and leasing of 13 additional hangars at the Airport. These hangars coming to the City are based upon lease agreements at the time the hangars were built.
2. Michael Cain reported that hangar A-12 will be leased for one year by its current tenant.
3. The City has had two recent inquires regarding building hangars.

**D. MAAE 2018 Dues:**

1. Motion by **Harrington** Seconded by **Bouters PASSED UNANIMOUSLY** to recommend payment of \$200.00 for annual MAAE dues.

**E. Other:**

1. The Joint Commission Meeting will be held Thursday, February 8, 2018 at 6:00 p.m. in the City Hall Commission Chambers.
2. Richard Wright asked the City Manager to consider replacing the worn flags the fly outside the airport terminal.

**GOOD OF THE ORDER**

- A.** The Aviation Fuel price is **\$4.24 per gallon as of October 23, 2017.**
- B.** Friends of the Boyne River have reported Coyote sightings along the river along airport property.

**ANNOUNCEMENTS  
NEXT MEETING  
MOTION**

- A.** The next regular Airport Advisory Board meeting is schedule for **Thursday, February 22, 2018 at 5:30 p.m.** at the Airport Terminal.

**ADJOURNMENT**

- A.** The meeting was adjourned **7:23 p.m.** by **Chair Schmidt.**

Richard L. Bouters-Secretary \_\_\_\_\_



# QoE Quarterly

VOLUME 6 ISSUE 3

WINTER 2017/18

## 2017 Year in Review

### In this issue:

2017 Year in Review  
pages 1-4

Upcoming Events  
see page 4

Remember, QoE is a single call for all your airport needs and we want to be kept in the know with every aspect of your airport.

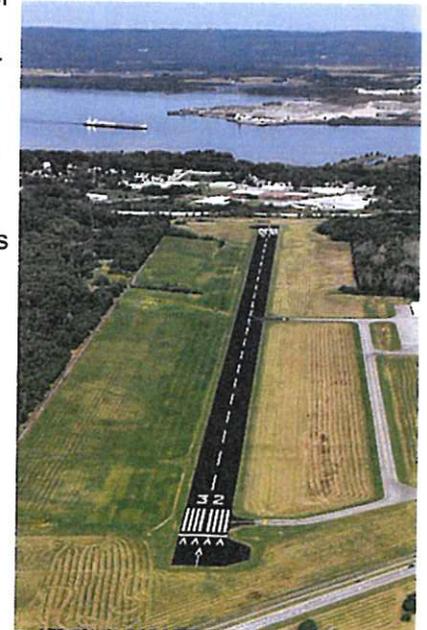
Just give us a call, that's what you hired us for; besides, we like to talk with you.

***You are our business!***

Toll free:  
1(844)QoE-Info  
1(844)763-4636  
Or  
Lansing Office-  
(517) 327-1980  
Detroit Office-  
(313) 453-5050

### SAULT STE. MARIE – SANDERSON FIELD (ANJ) – RUNWAY 14-32 (5,234' X 100') REHABILITATION WITH POROUS FRICTION COURSE (PFC) OVERLAY:

ANJ's Runway 14-32 was showing its age (2014 PCI rating of 62) and in need of rehabilitation, but not reconstruction. Overall the runway was in good shape with most of the pavement distresses being related to weather and well defined transverse cracks (11 locations). QoE designed plans that included crack sealing (P-605 Hot Applied), crack repair (full-depth cutting out and repaving selected serious cracks), and a runway surface repair to reduce ponding water areas (FAA spec. P-608, Mastic Material). Once the pavement distresses were addressed, the runway received a Porous Friction Course (PFC) overlay and new pavement markings. QoE worked with the FAA, MDOT-AERO, contractors, and other aviation consultants to develop a revised P-402 PFC specification for use on Michigan airports. The PFC will preserve and protect the existing runway pavement, create a better landing surface by increasing braking action and also extend the life of the pavement by creating a new wearing surface. QoE also provided full-time construction inspection and project management. ANJ was the first airport in Michigan to receive a PFC under the newly revised specification!



### GLADWIN ZETTEL MEMORIAL AIRPORT (GDW) – CONSTRUCT 10-UNIT NESTED T-HANGAR AND SITE PREPARATION

GDW constructed a 10-unit T-hangar, in 2017, to meet demand for aircraft storage at the airport. The T-hangar also required the construction of taxilanes and associated infrastructure. Design for the project was completed in 2014, per Airplane Design Group I (ADG I) criteria. QoE provided documentation to the MDOT-AERO and the FAA showing that full width paving is actually less expensive than constructing 'grass islands' between the hangar approaches. Ultimately the FAA ruled that full width paving was still an ineligible cost. For ease of maintenance, especially snow plowing and reduction of FOD, the Gladwin Airport Commission decided to construct full width paving around the new hangar. The eligible area for each hangar approach is 25' wide and extended 27' out from the hangar door. A new storm sewer and underdrain system was installed along with a slot drain to accommodate flat grades from the existing t-hangar pavement.



### CHEBOYGAN COUNTY AIRPORT (SLH) – LAND RELEASE

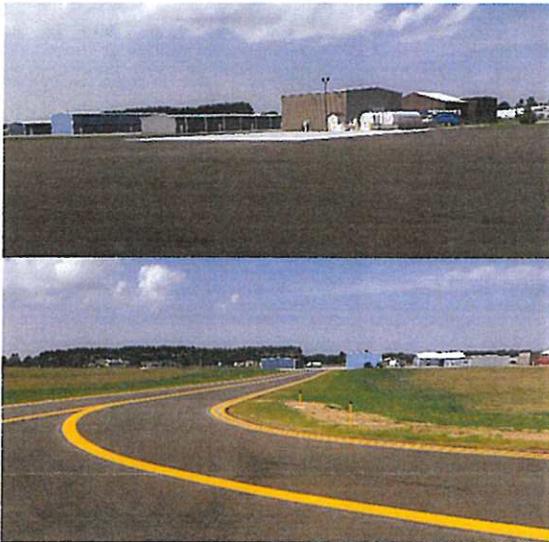
In this instance 'Land Release' is read to mean 'release from aeronautical use', not release from airport ownership. The Cheboygan County Airport is seeking approval to use a small parcel of airport hangar area land (approximately 0.25 acre), not designated for any future hangar or other aeronautical use, for a fire training facility. QoE prepared the requisite document – a 16 point Land Release Request – for review by MDOT-AERO and the FAA. After several 'back and forths', the final FAA determination is getting close (the review/comment process has been an on-going for about a year).

QoE addressed the requisite topics in a land release request, such as:

- What will be the property's disposition
- What is the appraised fair market value
- Advantage for the airport of the release
- Describe any intangible benefits
- Type of release, including longterm lease
- How is the release justified
- What property is involved
- Present use of the property



Should your airport be considering a 'nonaeronautical' use of a part of your airport, this can be a complex undertaking to prepare and process with the regulatory agencies. Contact QoE for guidance and assistance.

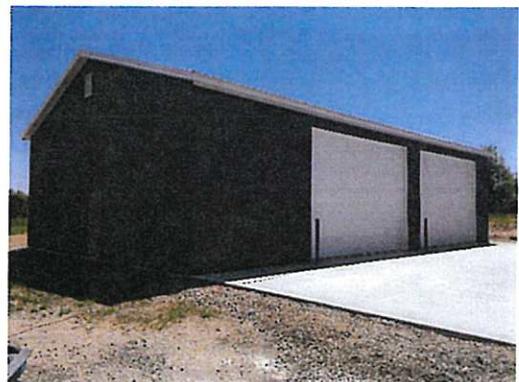


### WEXFORD COUNTY AIRPORT (CAD) - APRON RECONSTRUCTION (10,850 S.Y.) & TAXIWAY CONSTRUCTION (35' X 670')

The terminal apron, constructed in 1983, had a PCI of 42 per the 2013 Pavement Condition Survey. In addition to severe cracking and weathering a section near the fuel farm had been damaged by a fuel spill and patched with concrete, which was also severely cracked. Design considerations utilized by QoE included 1) replacing a section of the bituminous apron with Portland Cement concrete (900 S.Y.) adjacent to the fuel farm to eliminate pavement degradation due to fuel spills; 2) replacing the P-208 aggregate base course with P-209 crushed aggregate base course to increase pavement strength from 30,000 lbs. to 60,000 lbs.; and 3) add a "bypass" taxiway to the T-hangar area, providing a second access since the existing access is blocked when planes are parked at the fuel farm. The design was completed in late 2016 with construction accomplished in June –July, 2017.

### IOSCO COUNTY AIRPORT (6D9) – CONSTRUCT SNOW REMOVAL EQUIPMENT (SRE) BUILDING

In 2016, QoE designed a 2-bay, 64' x 40' SRE Building to house 6D9's snow equipment and supplies. The project was State and Locally funded and constructed in 2017 and completed on time and under budget. Today this essential snow removal equipment is protected from the elements inside the new 2 bay storage building conveniently situated near the terminal building on the main parking lot.



### GRAYLING ARMY AIRFIELD – ELECTRICAL UPGRADES FOR MILITARY USE

Working with Eng., QoE undertook the design of a multipoint, \$750,000 electrical program at this military/civilian use airport, including an Avionics Building, AGL Electrical Vault, 150kw Standby Engine/Generator and a Rotating Beacon on a 80' Pole.

The program components were laid out to 'fit' in close proximity to a new ATCT, with the beacon being located far enough away and high enough to avoid 'glare' to the tower operators. The two buildings were both designed as 'prefabricated' concrete buildings sized to handle current, as well as future, airport radio equipment and airfield electrical needs. The avionics building is 14' x 26', with the Airport Ground Lighting Vault being 10' x 24'.



The standby eng/gen was sized to accommodate both buildings, beacon, all airfield lightning, the ATCT, and a future (as yet undetermined) airport operations building.

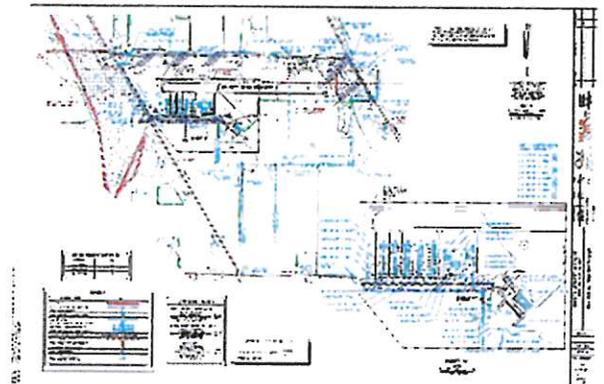
The rotating beacon is a military spec 'green-white-white' signal mounted on an 80' tubular tower. Beacon access is achieved by lowering the beacon platform to ground level -NO BEACON POLE CLIMBING!



### MASON-JEWETT AIRPORT (TEW) – EXHIBIT A AND AIRPORT LAYOUT PLAN UPDATE

In 2017, the Capital Region Airport Authority (CRAA) was notified that the TEW Exhibit "A" (dated March, 1999), did not portray accurate property information. QoE was tasked with updating the Exhibit "A" in accordance with the "Guidelines for Developing Airport Exhibit "A" Property Maps". As a result of the Exhibit "A" update, QoE also updated the Airport Layout Plan (ALP) to include the Exhibit "A" as an Airport Property Map sheet. The following updates were made to the Exhibit "A" and ALP:

- Added land acquired by CRAA
- Added buildings and other infrastructure
- Added airfield pavements
- Added new utility easements and land leases
- Added Exhibit "A" to the ALP as a new Airport Property Map sheet in accordance with SOP 3.0, Appendix B, Section 8.
- Other ALP sheets were updated to show recently completed airport projects (pavement markings, parking lot expansion (Lansing Community College), tree removal, etc.)



### MASON-JEWETT AIRPORT (TEW) – HANGAR TAXILANES AND PERIMETER ROAD REHABILITATION

Hangar taxilanes 3 and 5 were constructed in 1991 and the perimeter road constructed in 1990 and both exceeded their design life and were rehabbed in 2017. The pavements were pulverized, blended with the underlying aggregate base, regraded and compacted prior to paving. The pulverized bituminous aggregate base was submitted to the FAA as a Modification of Standard (MOS) and approved as a new P-207 specification. The material strength was confirmed, via static plate load test, in the field and exceeded the assumed design strength. In addition to the pavement rehab a heaving 12" storm sewer pipe and structure was removed and replaced. The new pipe was lowered to increase cover over the pipe and underdrain added to reduce water accumulating around the pipe.



## CAPITAL REGION INTERNATIONAL AIRPORT (LAN) – PARKING REVENUE MANAGEMENT SYSTEM UTILITY COORDINATION

QoE performed utility coordination and consolidation services for the Capital Region International Airport Authority (CRAA) for a directional bore project to install electrical and communication services to upgraded entrances at 4 locations in the long and short term parking lots.

QoE reviewed Record Drawings from previous parking lot construction projects, scanned and overlaid them into the LAN base file in AutoCAD. All utilities were added to the base file to determine a directional bore line that would have minimal impact to existing utilities. QoE recorded Miss Dig locations and also corrected several Record Drawing discrepancies.

## COLEMAN A. YOUNG INTERNATIONAL AIRPORT (DET)-STUDIES

During 2016 and 2017, QoE undertook preparation of several studies in advance of preparing an updated Airport Layout Plan for DET, whose last approved ALP is from 1996. The studies resulted as follows:

**Users' Survey** which provided the determination that the airport's critical aircraft was a C-II (specifically the Hawker 800SP). This is a key component needed before undertaking any ALP update.

The **Runway Safety Area** study evaluated several alternatives to determine whether/how the airport can meet C-II aircraft RSA standards (notably 500'w x 1,000' beyond the runway end). Because DET is tightly constrained at both ends of its primary runway (cemeteries), the runway cannot meet the requisite RSA standards. The recommendation? Use EMAS (Engineered Material Arresting System) to compensate for the shortened RSA.

Also due to its constrained site, DET has operated for many years with FAA waivers of certain requirements. The **Modification of Standards** study evaluated numerous longstanding waivers, including the preparation of MOS requests. The MOS requests are currently in the review process at the regulatory agencies.

The three in-depth studies will provide a foundation for the eventual update of the airport's 20+ year old ALP.



## MAAE Winter 2017 Conference

Remember to stop by our booth at the MAAE Conference Feb. 21-22 at the Kellogg Center in East Lansing and say hello!

We will have some handy take away items and can't wait to see you.

As always, MDOT-Office of Aeronautics and the MAAE have put together an agenda with something for everyone. Find out more about the conference at [www.michairports.org](http://www.michairports.org).



## Upcoming

**Dawn Patrol: Plymouth Mettetal Airport (1D2) EAA Chapter 113 Frostbite Chili Fly-In**

**Date:** February 03, 2018 **Time:** 11:00 AM - 02:00 PM **Description:** Bring a port of your favorite chili or dessert or try one of ours. Hot dogs and beverages will be available for a donation. Held in the comfort of the EAA Chapter 113's Aviation Center rain, snow, or shine. Contact Joe Kirik, (248)872-3220, or email at [president@eaa113.org](mailto:president@eaa113.org).

**2018 Michigan Airport Conference**

**Date:** February 21, 2015 - February 22, 2016 **Time:** 07:30 AM - 03:00 PM Kellogg Hotel and Conference Center, East Lansing, MI.

**Description:** Save the Date! 2018 Michigan Airport Conference, co-sponsored by MAAE and Office of Aeronautics



[www.QoEConsulting.com](http://www.QoEConsulting.com)

E-mail: [info@goeconsulting.com](mailto:info@goeconsulting.com)



Quality of Experience

Quality of Engineering

Quality of Everything

The QoE Team is providing exceptional customer service while acting as an extension of airport staff. We are exceeding client expectations, strengthening relationships and acquiring new clients by taking personal ownership of each project, enlisting the experience of our Senior Project Managers, and deploying the technological insight of our Engineers.

Lansing Office

4100 Capital City Blvd., Floor 2, Lansing, MI 48906  
Phone: 517-327-1980, Fax: 517-327-1982

Detroit Office

11499 Conner Ave.  
Detroit, MI 48213, 313-453-5050