Project Showcase:

Glenn O. Hawbaker, Inc.

- Best Practices and Lessons Learned at Harrisburg Airport

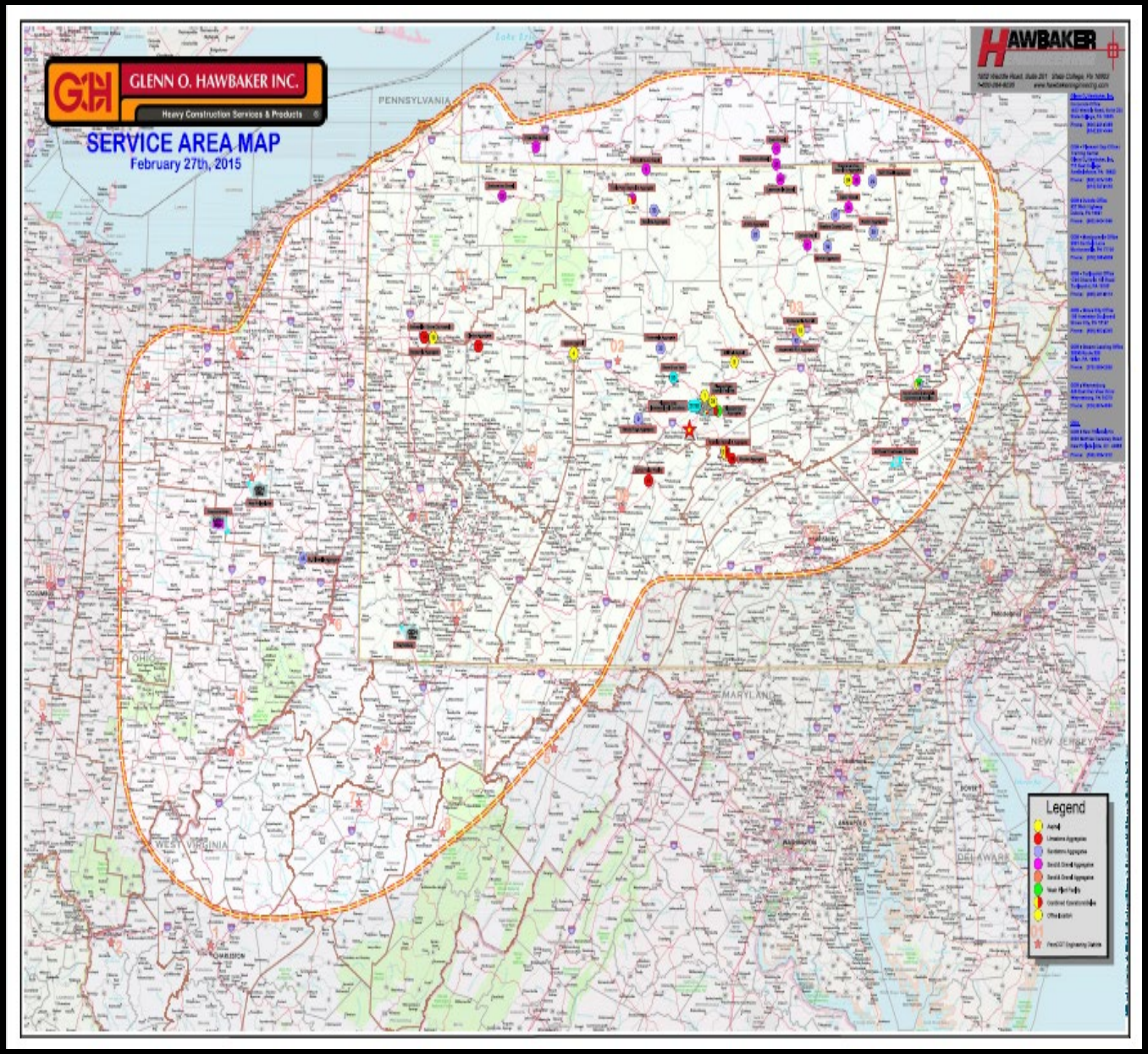
Pennsylvania Asphalt Pavement Association's

60th Annual Conference

January 20-22, 2020

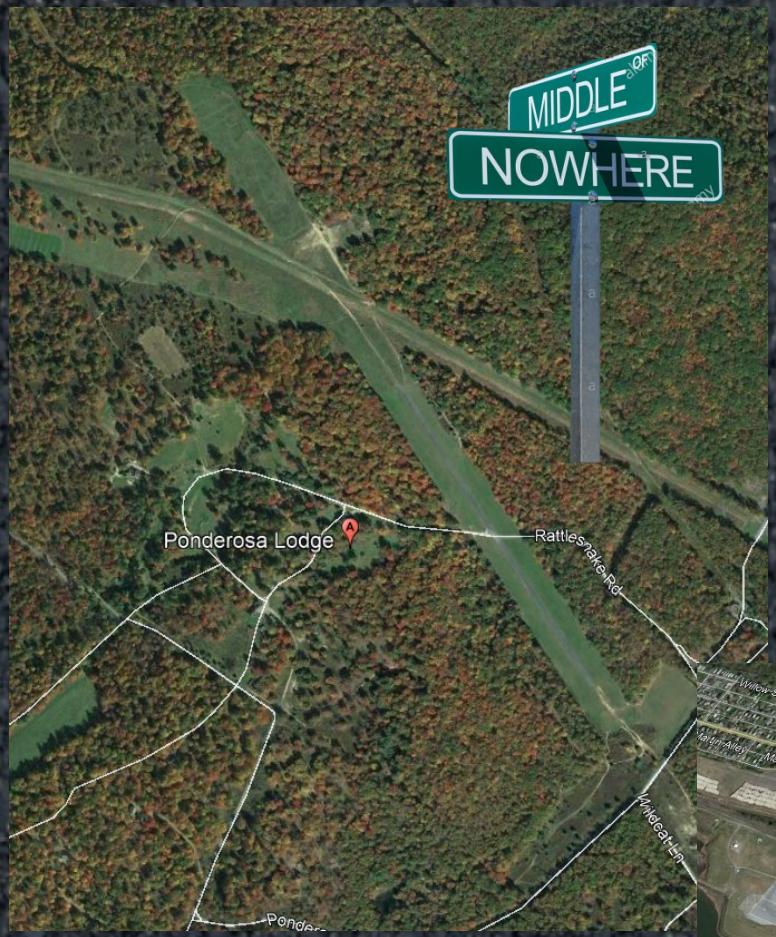
The Hotel Hershey, Hershey PA

Glenn O. Hawbaker Inc.



Founded 1952

- **19 Quarries**
- **7 Asphalt Plants**



In 2018, we paved a couple airports.

Ponderosa Lodge landing strip

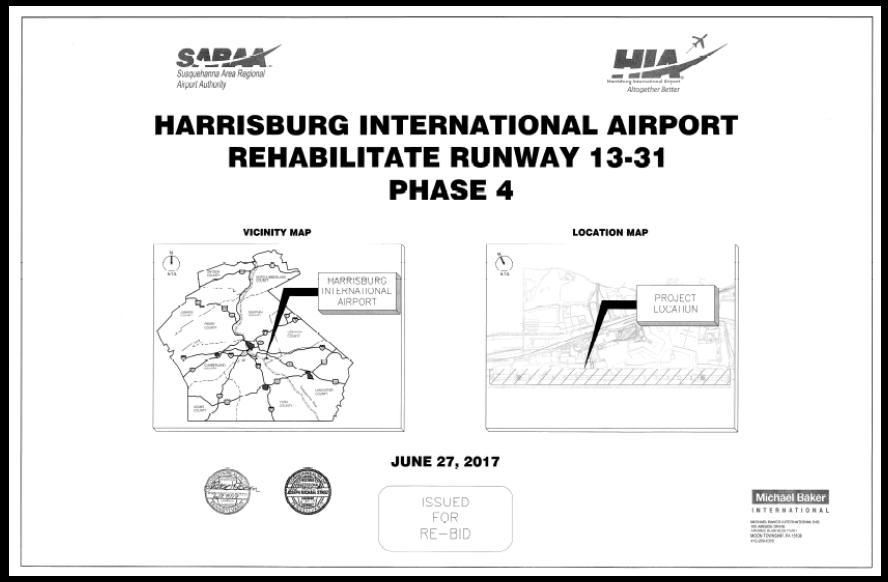
Harrisburg International Airport…

the reason we're here today.

Overview

Harrisburg International Airport
Write a description for your map.
Legend
Harrisburg International Airport
Terminal Dr
Jednota
Terminal Dr
Lisa Lake
Phase 4 Mill & Pave 8100 FT of Runway 13-31
Google earth

Meat & Potatoes


SARAA
Susquehanna Area Regional Airport Authority
HIA
Harrisburg International Airport
Altogether Better
HARRISBURG INTERNATIONAL AIRPORT
REHABILITATE RUNWAY 13-31
PHASE 4
VICINITY MAP
HARRISBURG INTERNATIONAL AIRPORT
LOCATION MAP
PROJECT LOCATION
JUNE 27, 2017
ISSUED FOR RE-BID
Michael Baker
INTERNATIONAL

Phase 4 Mill & Pave 8100 FT of Runway 13-31

Runway 13-31 Phase 4

- $15 Million Project
- Mill & Pave 8,100 Feet of Runway x 200 Feet wide
- Variable Depth milling & paving 2 to 6+ inch depth
- 6 month duration
- Working Hours: Midnight to 5:30 a.m.

- May 29 through August 24, 2018– 45 work shifts…
- 200,000 SY of milling
  - Limited to 700 LF of milled surface
- 45,000 Tons FAA P-401 HMA placed (similar to 19mm mix)
  - Supplied by GOH Milroy Plant
    - ✓ 2 lifts
- Safety wedges & tapers required each shift to maintain runway use during day

Milling and Paving Equipment

- 2 Automated Wirtgen W210 7.5 Foot mills
- 1 Wirtgen non-automated mill
- 2 Automated CAT Pavers with 25 FT screeds
- 1 CAT paver on hand for backup
- 3 Roadtec Shuttle Buggies
- Nine CAT rollers
- And well over 100 people!

Ever heard of weather delays at an Airport?

Search Harrisburg IntAir 17 & 18 (Ctrl+E)

Arrange By: From | A on top

Troy W Franks weather	8/21/2018
Troy W Franks	8/19/2018
Troy W Franks Re: RE:	8/17/2018
Troy W Franks	8/17/2018
Troy W Franks Weather	8/13/2018
Troy W Franks Weather	8/11/2018
Troy W Franks We have canceled and paving at the airport for tonight please reschedule the trucks for Sat...	8/10/2018
Troy W Franks Weather	8/3/2018
Troy W Franks weather	7/31/2018
Troy W Franks Weather	7/30/2018
Troy W Franks Weather	7/27/2018
Troy W Franks Weather	7/25/2018
Troy W Franks Weather	7/24/2018
Troy W Franks Fwd: Weather	7/22/2018
Troy W Franks Weather	7/5/2018
Troy W Franks weather	6/27/2018
Troy W Franks Weather	6/18/2018
Troy W Franks Re: HIA P-401 Lot #1	6/7/2018
Troy W Franks Re: 2nite	6/4/2018
Troy W Franks Re: HIA P-209 Material - Hempt 5/31/18 sample - fail on 200 sieve	6/4/2018
Troy W Franks Weather	6/3/2018

SECOND WETTEST YEAR — THRU AUG. 15, 2018

	PRECIPITATION SO FAR	RECORD WETTEST
Baltimore	43.30"	1889, 46.32"
Charleston, WV	40.37"	1958, 43.38"
Elkins, WV	46.07"	1996, 54.46"
Harrisburg, PA	38.93"	1972, 41.45"
Pittsburgh	33.87"	1956, 35.74"
Williamsport, PA	43.62"	1972, 44.00"

PRECIPITATION TOTALS — JAN 1 - AUG. 15, 2018

Milling

CONSTRUCTION VEHICLE
KEEP ALERT FOR
SUDDEN STOPS AND TURNS
WIRTGEN
WIRTGEN

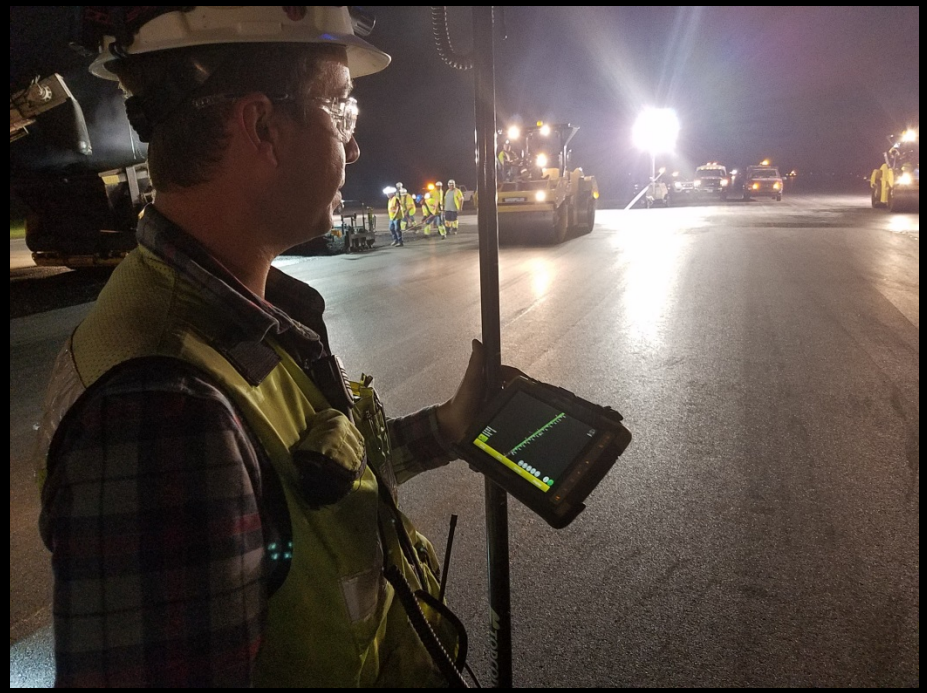
Milling

Milling

Mobilization

How do you spell Team…

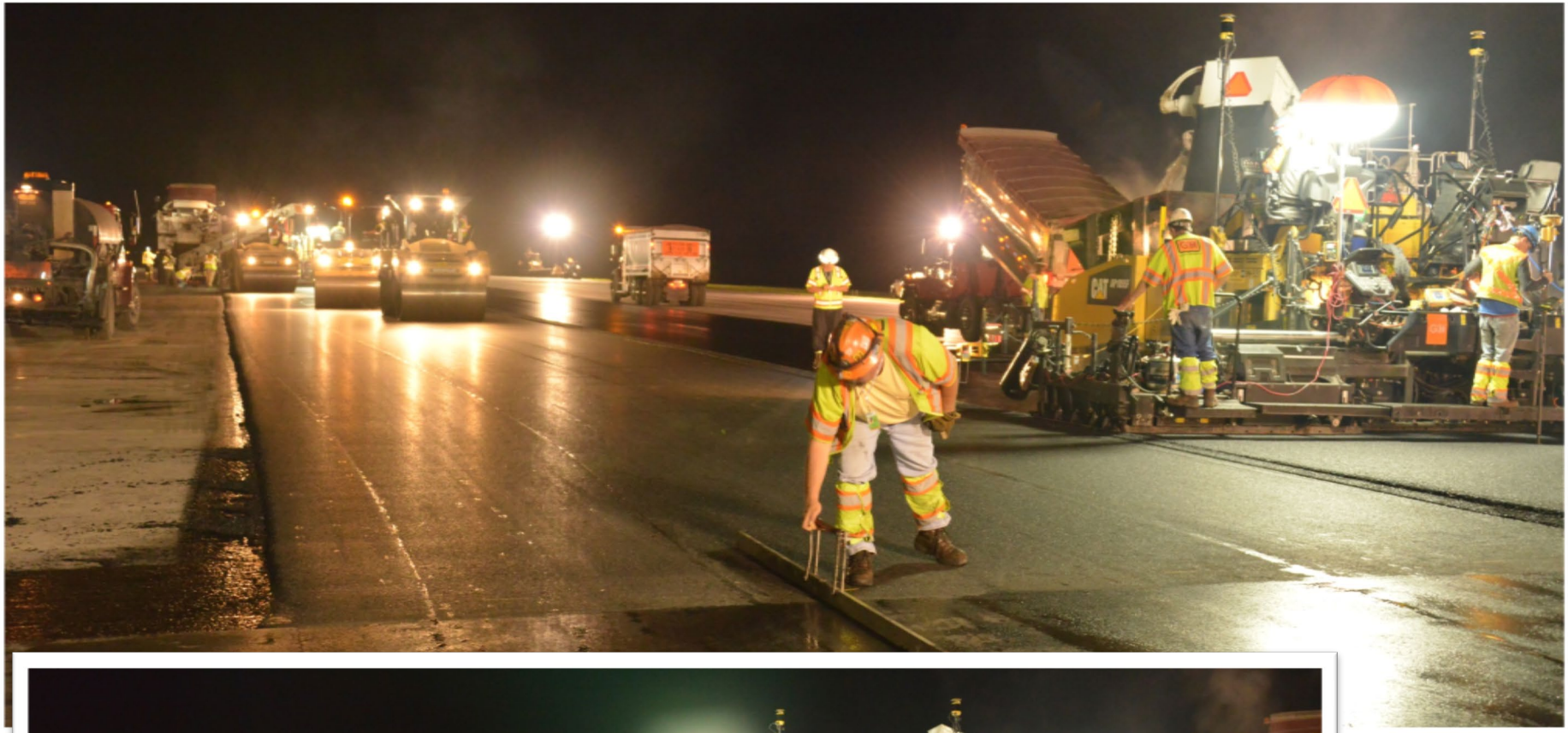
Survey is still important!



G:H

CAT SE60

Very productive 5.5 hour shifts

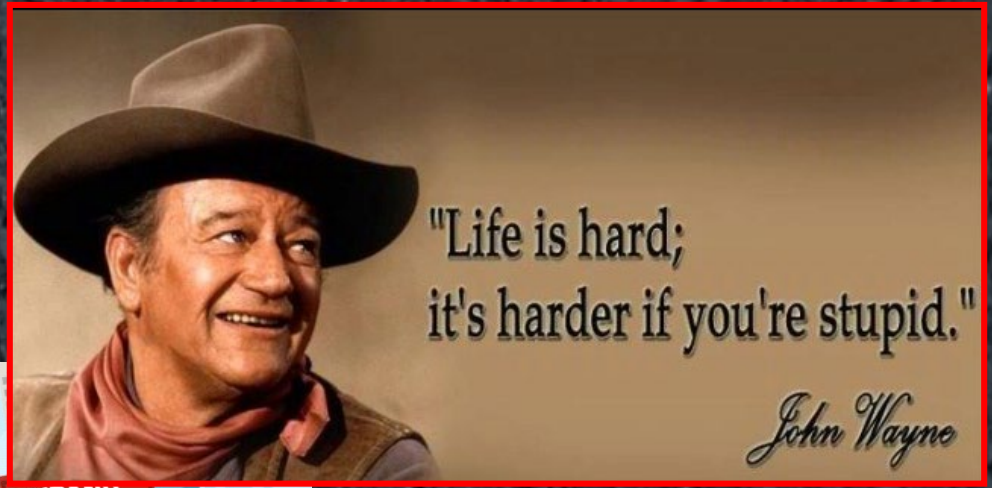


G:H

CAUTION
LOOK OU
CONS
FedEx

AP1000D
CAT

TRAINING →


"Life is hard;
it's harder if you're stupid."
John Wayne

NEC/AAAE AIRPORTS CONFERENCE
MARCH 11 – 14, 2018 | HERSHEY, PA
EXPAND YOUR REACH
NORTHEAST CHAPTER
NEC
PROGRAM
SPONSORS
EXHIBITORS
REGISTRATION
SPEAKERS
CONTACT

PHOTOGRAPHER MARK KWIATKOWSKI - AIRLINERS.NET
Airport Pavement Technical Workshop
Asphalt Pavement Design,
Construction and Maintenance (22 PDHs)
asphalt institute
This workshop provides the most current information for those designing, constructing, and managing asphalt airport pavements. Focus is on current FAA and other applicable industry standards, including specifications, advisory circulars, criteria and policy. Topics covered include pavement design and evaluation, materials, mix design, construction, preservation and rehabilitation practices, along with innovative pavement technologies for airports.
NOV. 14 - 16, 2017
Baltimore, Maryland

INFORMATION
SKILL
100 %
LEARNING
PERFORMANCE
EMPLOYEE TRAINING
TEAM
EDUCATION
KNOWLEDGE
MOTIVATION
QUALIFICATION

GOH Achieved recognition for an AASHTO Certified Lab

AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

Glenn O. Hawbaker, Inc.

in

Milroy, Pennsylvania, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).

Bud Wright,
AASHTO Executive Director

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 04/24/2018 at 1:02 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Harrisburg International Airport

Harrisburg International Airport Numbers		
Tons	More than 45,000 produced & placed	
Truck loads	over 2,090	
Joint Cores	160	93.32% density
Mat Cores	168	95.89% density

Lab plugs	540	3.5% avg. Air Voids
All Cores =	7,241 pounds (3.62 tons)	
Stacked up =	271 feet high	
Taller than:	I-80 Emlenton Bridge (270')	
	SR 15 CSVT Bridge (180')	
	Niagara Falls (176')	

New (used???) Naginey Facilities

Before

After

CINTAS

CINTAS
GH

WINNER

Quality in Construction Airport Pavement Award

FOR EXEMPLARY QUALITY IN AIRPORT PAVEMENTS

NAPA
NATIONAL ASPHALT PAVEMENT ASSOCIATION

November 20, 2018

Thomas Abbey
Glenn O. Hawbaker Inc.
1952 Waddle Rd.
State College, PA 16803

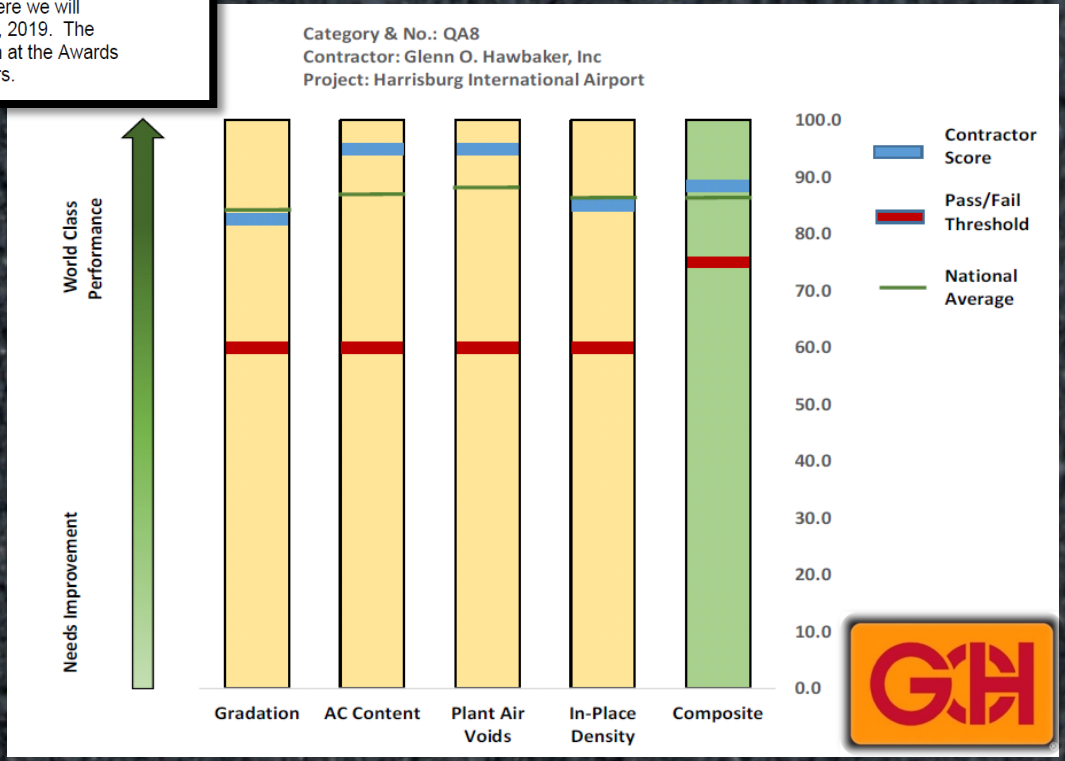
Dear Thomas:

Congratulations! NAPA will honor your project, Harrisburg International Airport Runway 13-31, as a winner of a 2018 Quality in Construction (QIC) Award. This award recognizes your company's commitment to building high-quality, smooth, durable pavements for the driving public.

Join us at NAPA's 64th Annual Meeting at ***JW Marriott Marco Island Beach Resort*** where we will celebrate your accomplishment during the Awards Breakfast on Wednesday, January 23, 2019. The Annual Meeting takes place January 20-23 in Marco Island, Fla. In addition to recognition at the Awards Breakfast, photos of QIC Award-winning projects will be prominently displayed on banners.

WINNER

Winner Winner Chicken Dinner



Lessons Learned

What did we do well?

What could we improve?

Mistakes to avoid

Problems we could have avoided

Lessons learned:

- Know what the estimators bid
  - Know what the contract specifications are.
    - Any Amendments???
- Establish a project leadership list
  - Leaders know their responsibilities and be held accountable
- Not only use your best people, but help everyone “be the best”.
- Equipment
  - Have enough and spares
  - Support (mechanics, fuel…simple things, right?)
- Sources of Supply
  - HAVE THEM!

A lesson to learn - (*continuously*)

- **Communication**
  - Have it!!!!!!!!!!!!!!!!
    - **Use it**!!!

Looking to the east or looking to the west…however you look at it -

Happy Owner plus Happy Contractor equal “Good Job”!

Thank you…

- Jeff Laninger, P.E.
  Project Manager
- Troy Franks Paving
  Superintendent
- Tom Abbey Helper