



ACI North America
Risk Management Conference
**Evolving Risks in
Construction**

Project Experience | Aviation



Wayne County Airport Authority
North Terminal Redevelopment
Romulus, MI



Wichita Airport
New Terminal Facility
Wichita, KS



Panama City-Bay County Airport
New Florida Beaches Int'l Airport
Panama City Beach, CA

Project Experience | Aviation



WACO Aircraft Corporation
Battle Creek Facility Expansion
Battle Creek, MI



Charlotte Douglas Int'l Airport
Fleet Vehicle Maintenance Facility
Charlotte, NC



Orland-Sanford Int'l Airport
Terminal Expansion
Sanford, FL

Project Experience | Large Campus Facilities



Fiat Chrysler Automobiles LLC
Assembly Plant & Supplier Buildings
Recife, Brazil



General Motors
Global Technical Ctr 2020 Transformation
Warren, MI



Ford Motor Company
Dearborn Campus Transformation
Dearborn, MI

01

**Safety
Moment**

Safety Moment | Apprenticeship Hardhat Identification

Nearly **1/3** of the non-fatal occupational injuries or illnesses that involve time away from work are suffered by workers with **less than one year** of service.

Supervisors of an apprentice shall complete the **Apprentice Identification Qualification Form** in order for them to perform the work. Once complete, each apprentice will be assigned to a journeyman as a mentor.



All apprentices will be identified with a **RED STRIPE** around their hardhat. This also includes any visitors to the jobsite.

02

**Market
Risks**



Market Risks



Pricing reflecting market activity, limited availability of subcontractors, trades, etc.



Same risks in the **supply chain**. Contractors monitoring better thru **prequalification** processes



Large **subcontractors** remain **sophisticated**

03

**People &
Culture**

People & Culture

Owner | Consultants | Constructors | Trades



Retiring of Baby Boomers & **Experience gap** due to Great Recession downturn



Business / **organization configurations** aren't often responding quickly enough



May affect project schedules, location dependent (mitigate through trade-power commitment during bidding)



Example – Safety; Initiation of the 'red stripe' program for apprentices

04

**Project
Delivery**

Project Delivery

A glowing lightbulb hanging in a dark room with other blurred lightbulbs in the background. The lightbulb is the central focus, emitting a warm, golden light. The background is dark with several other lightbulbs, some of which are also glowing, creating a bokeh effect. The overall atmosphere is one of illumination and focus.

Project Delivery Types

Specific experience is important
for most stakeholders

Project Teams

Adding layers is potential for
more complexity

05

**Evolving
Requirements,
Systems & Technology**

Evolving Requirements, Systems & Technology

Evolving TSA Requirements

can affect front & back-of-house operations mid-project

1

Reduce Waste

by improving communication on airside projects' shift-work

2

Applicable Building Codes

requirements identified early

3

New Technologies

BIM, new materials, e.g. lighting

4



06

**Tools for
Mitigation**

Tools for **MITIGATION**



Understand the project: Available trade-power & project delivery experience of your team



Utilize Experienced Teams



ACI ACC AGC's Project Delivery Guide for Airports



CII's PDRI – Project Definition Rating Index



Thank You!



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