Runway and Taxiway Construction Safety

FAA Airport Construction Advisory Council (ACAC)

Presented to: Hershey Airports Conference
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“Field Managers working with Field Managers”
Linking symptoms and initiatives

1. Incomplete/ineffective ATIS broadcasts
2. “Full length” confusion
3. Missed NOTAMs
4. Airport Diagrams
5. Visual Cues

1. New ATIS requirements
2. “Full length” prohibited
3. New takeoff and landing clearances
4. Construction Notice Diagrams
5. Orange Signs
We have conducted evaluation of orange construction warning signs at 5 airports.

**RWY 4L TAKEOFF RUN AVAILABLE 9,780 FT**

**CONSTRUCTION AHEAD**

ISP
ORD
PDX
PVD
SFB

New signage for shortened runways.
New signage to alert pilots about airport construction

New signage when illuminated by aircraft/vehicle lights at night
Air Traffic Management:

1. Notify ACAC
   - ConstructionCouncil@faa.gov
2. Train controllers prior to construction
3. Onsite Support for Managers by ACAC Managers
4. Use ACAC tools (Best Practices, Checklist)

Best Practices

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<tr>
<th>No.</th>
<th>Best Practice / Lesson Learned</th>
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<td>8</td>
<td>Refine operating concept, and break projects down into phases. Integrating projects into single plan ensures that the cumulative effect of projects is considered, rather than projects being evaluated as stand alone. Matrix/Timelines provide a good visual reference of project overlap and/or influence on other projects. Identify critical stages needing completion prior to next phase: i.e. a taxi route needed for completion of one phase might be eliminated by the next phase; always look into each construction phase carefully to identify critical events that could ripple into the next phase(s).</td>
<td>ORD  JFK</td>
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<td>Once the phases and timeline have been broken down, involve Sys Ops. Start to develop impact statement.</td>
<td>ORD</td>
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<td>Airlines and airport operator work together on publicity campaign; start of the communications campaign is driven by the ability to get the information out to the aircraft operators; typically, information is published about 1 month prior to actual work; make sure to involve air carrier Certificate Management Offices (CMO); Begin outreach with customers at least one year in advance, sooner if possible. They also have a tremendous amount of planning to do, especially if they are planning to adjust schedules and marketing plans for the construction period. This involves major airlines, dispatchers, chief pilots, scheduling, marketing, and user groups such as ALPA, NBAA and AOPA.</td>
<td>ORD  MSP</td>
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Runway and Taxiway Construction Initiatives
FAA Airport Construction Advisory Council

Runway Construction checklist

Partial Runway Construction Closure Checklist

Reachout

ICAO
CDG Interaction
AAAE Workshops/Webinars
NBAA Workshops/Convention
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Federal Aviation Administration