



Mail Processing Center
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Obstruction Evaluation Group
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Aeronautical Study No.
2020-AWP-2538-OE

Issued Date: 04/02/2020

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****DETERMINATION OF NO HAZARD TO AIR NAVIGATION FOR TEMPORARY STRUCTURE****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Crane 100 Mill Office building
Location:	tempe, AZ
Latitude:	33-25-44.00N NAD 83
Longitude:	111-56-27.00W
Heights:	1162 feet site elevation (SE) 300 feet above ground level (AGL) 1462 feet above mean sea level (AMSL)

This aeronautical study revealed that the temporary structure does exceed obstruction standards but would not be a hazard to air navigation provided the condition(s), if any, in this letter is (are) met:

****SEE ATTACHMENT FOR ADDITIONAL CONDITION(S) OR INFORMATION****

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of a structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination did not include an evaluation of the permanent structure associated with the use of this temporary structure. If the permanent structure will exceed Title 14 of the Code of Federal Regulations, part 77.9, a separate aeronautical study and FAA determination is required.

This determination concerns the effect of this temporary structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Aviation Administration Flight Procedures Office if the structure is subject to the issuance of a Notice To Airman (NOTAM).

If you have any questions, please contact our office at (206) 231-2990, or paul.holmquist@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-AWP-2538-OE

Signature Control No: 432450890-435382800

(TMP)

Paul Holmquist

Specialist

Additional Condition(s) or Information for ASN 2020-AWP-2538-OE

Proposal: To construct and/or operate a(n) Crane to a height of 300 feet above ground level, 1462 feet above mean sea level.

Location: The structure will be located 3.57 nautical miles east of PHX Airport reference point.

Part 77 Obstruction Standard(s) Exceeded and Aeronautical Impacts, if any:

Section 77.17 (a) (2) by 44 feet - a height that exceeds 1418 feet above mean sea level within 3.57 nautical miles of PHX.

Preliminary FAA study indicates that the above mentioned structure would:

not exceed traffic pattern airspace

have no physical or electromagnetic effect on the operation of air navigation and communications facilities.

have no effect on any airspace and routes used by the military.

Based on this aeronautical study, the structure would not constitute a substantial adverse effect on aeronautical operations or procedures because it will be temporary. The temporary structure would not be considered a hazard to air navigation provided all of the conditions specified in this determination are strictly met.

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 L Change 2, Obstruction Marking and Lighting, flags/red lights - Chapters 3(Marked),4,5(Red),&12.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

It is required that the FAA be notified at least 3 business days prior to the temporary structure being erected and again when the structure is removed from the site. Notification should be made to this office during our core business hours (Monday through Friday, 9:00 a.m. to 3:00 p.m.) via telephone at Paul Holmquist (206-231-2990/paul.holmquist@faa.gov) or Luke Wray (817 222 4559 luke.ctr.wray@faa.gov. Notification is necessary so that aeronautical procedures can be temporarily modified to accommodate the structure. Voicemail messages are not acceptable notice.

NOTIFICATION IS REQUIRED AGAIN VIA TELEPHONE AT Paul Holmquist (206-231-2990/paul.holmquist@faa.gov) or Luke Wray (817 222 4559 luke.ctr.wray@faa.gov WHEN THE TEMPORARY STRUCTURE IS REMOVED FROM THE SITE FOR NOTICE TO AIRMAN (NOTAM) CANCELLATION.

It is required that the manager of Phoenix Sky Harbor International Airport construction coordination office, at (602) 768-3996 be notified at least 3 business days prior to the temporary structure being erected and again when the structure is removed from the site.

It is required that the manager of Phoenix Terminal Radar Approach Control Facilities (TRACON), Phoenix AZ at (602) 306-2520 be notified at least 3 business days prior to the temporary structure being erected and again

when the structure is removed from the site. Additionally, please provide contact information for the onsite operator in the event that Air Traffic Control requires the temporary structure to be lowered immediately.

This determination expires on 10/02/2021 unless extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

Additional information for ASN 2020-AWP-2538-OE

Phoenix Sky Harbor International Airport (PHX) and FAA Required Coordination

Abbreviations

AGL - above ground level

AMSL - above mean sea level

RWY - runway

VFR - visual flight rules

IFR - instrument flight rules

NM - nautical mile

ASN- Aeronautical Study Number

CAT - category aircraft

NEH - no effect height

MDA - minimum descent altitude

Part 77 - Title 14 Code of Federal Regulations (CFR) Part 77, Safe, Efficient Use and Preservation of the Navigable Airspace

It is REQUIRED that the Phoenix Sky Harbor International Airport construction coordination office, at (602) 768-3996 be notified at least 3 FULL BUSINESS days prior to the temporary structure being erected and again when the structure is removed from the site.

It is REQUIRED that Phoenix Terminal Radar Approach Control Facilities (TRACON), Phoenix AZ at (602) 306-2520 be notified at least 3 FULL BUSINESS days prior to the temporary structure being erected and again when the structure is removed from the site.

You must contact the FAA as specified to request a Flight Data Center (FDC) Notice to Airman (NOTAM) in order to coordinate the following:

At 1462 AMSL, Phoenix Sky Harbor INTL (PHX), Phoenix, AZ.

ILS or LOC RWY 25L, increase S-LOC 25L MDA from 1520 to 1780, NEH 1261 AMSL,

The proponent MUST notify the OE Specialist (listed below) and the Alternate (listed below) 3 FULL BUSINESS days prior to initially raising the temporary crane so a NOTAM (Notice to Airmen) can be issued modifying the instrument flight procedures. The preferred method of notification is e-mail. This message must be sent to ALL of the following:

Paul Holmquist (206-231-2990/paul.holmquist@faa.gov) or Luke Wray (817 222 4559 luke.ctr.wray@faa.gov

Please provide the following information:

1. In the subject line, please enter "NOTAM ALERT 2020-AWP-2538-OE",
2. Start date for use of the crane,
3. End date for use of the crane,
4. Time crane will go up on the first day, and
5. On-site contact name and phone number.

If notification is provided via e-mail, you must request a return receipt, and if you don't receive notification that your message was received, you will be required to call the number listed above for the OE Specialist or the OE Alternate.

If notification is provided via e-mail, you must request a return receipt, and if you don't receive notification that your message was received, you will be required to call the number listed above for the OE Specialist or the OE Alternate.

It will be your responsibility to ensure that the message is retrieved in compliance with this determination.

The backup FAA contact for NOTAM activation is
Luke Wray (817 222 4559 luke.ctr.wray@faa.gov or
Tim Waychoff 817 222 5954 timothy.m-ctr.waychoff@faa.gov

Leaving a voice message is not considered adequate FAA notification for initiating the safety of flight NOTAM.



