



Mail Processing Center
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Obstruction Evaluation Group
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Aeronautical Study No.
2016-AWP-8648-OE

Issued Date: 09/23/2016

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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 Derby Tower Crane
Location:	Phoenix, AZ
Latitude:	33-27-25.00N NAD 83
Longitude:	112-04-16.98W
Heights:	1085 feet site elevation (SE) 325 feet above ground level (AGL) 1410 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 following condition(s), if any, is (are) met:

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

See attachment for additional condition(s) or information.

It is required that the manager of the 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 Airport Traffic Control Tower, at (602) 306-2518, 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 03/23/2018 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.

This determination is based, in part, on the foregoing description which includes specific coordinates and heights. Any changes in coordinates and/or heights will void this determination. Any future construction or alteration, including increase to heights, requires separate notice to the FAA.

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 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.

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.

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 (425) 227-2625. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2016-AWP-8648-OE

Signature Control No: 303552015-305481672

(TMP)

Paul Holmquist
Specialist

Attachment(s)
Additional Information
Map(s)

Aeronautical Study Number 2016-AWP-8648-OE

Abbreviations

AGL - above ground level

AMSL - above mean sea level

RWY - runway

VFR - visual flight rules

IFR - instrument flight rules

NM - nautical mile

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

This temporary 325-foot AGL (1410 foot above AMSL) crane will located at 800 North 2nd Street, Phoenix, AZ and will be approximately 13,971 feet (2.30 NM) west, northwest of the RWY 08 threshold at Phoenix Sky Harbor International Airport (PHX). The PHX airport elevation is 1135 feet MSL.

This proposed crane will impact the following Part 77 airspace surfaces:

Section 77.17(a)(2): A height that is 200 feet above ground level or above the established airport elevation, whichever is higher, within three nautical miles of the established reference point of an airport, excluding heliports, with its longest runway more than 3,200 feet in actual length, and that height increases in the proportion of 100 feet for each additional nautical mile of distance from the airport up to a maximum of 500 feet. This temporary crane would exceed the PHX Part 77.17(a)(2) surface by 46 feet.

There are no effects on any existing or proposed arrival, departure, or en route IFR operations or procedures.

For a tower crane three (3) red lights are required: one over the cab, one near the tip of the horizontal jib, and one over the counter weight.

TOPO Map for ASN 2016-AWP-8648-OE



