



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2021-AWP-16768-OE

Issued Date: 01/12/2022

Patrick Stafford
Stafford Crane Group
3620 S. 40th St
Phoenix, AZ 85040

****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 21-263 Crane
Location:	Phoenix, AZ
Latitude:	33-27-07.56N NAD 83
Longitude:	112-04-03.80W
Heights:	1089 feet site elevation (SE) 383 feet above ground level (AGL) 1472 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 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 2021-AWP-16768-OE

Signature Control No: 499017073-507664327

(TMP)

Paul Holmquist
Specialist

Proposal: To construct and/or operate a(n) Crane to a height of 383 feet above ground level, 1472 feet above mean sea level.

Location: The structure will be located 3.01 nautical miles west of PHX Airport reference point.

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

Section 77.17 (a) (2) by 137 feet - a height that exceeds 1335 feet above mean sea level within 3.01 nautical miles of PHX.

Section 77.17 (a) (5) a height that affects an Airport Surface by penetrating:

Section 77.19 (b) Conical Surface by 83 feet as applied to PHX.

You must request a Notice to Air Mission (NOTAM) via website <https://oeaaa.faa.gov> 3 business days prior to the operation of this crane. Please refer to this link for NOTAM filing directions: https://oeaaa.faa.gov/oeaaa/downloads/external/content/deskReferenceGuides/NOTAM%20Efile%20-%20Desk%20Reference%20Guide%20V_2018.2.0.pdf

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 M, Obstruction Marking and Lighting, flags/red lights-Chapters 3(Marked),4,5(Red),14(Temporary),&15.

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 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 through your registered e-filing account. Notification is necessary so that aeronautical procedures can be temporarily modified to accommodate the structure.

NOTIFICATION IS REQUIRED AGAIN THROUGH YOUR REGISTERED E-FILING ACCOUNT 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 602-306-2569 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 07/12/2023 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.

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

At 1472 AMSL, 4D, Phoenix Sky Harbor INTL (PHX) Phoenix, AZ. Obstacle penetrates RWY 26 40:1 departure surface 46 feet requiring TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, RWY 26, 600-2 3/4 with a minimum climb gradient increase from 200 to 244 feet per NM to 1600 or STD with a minimum climb gradient of 326 feet per NM to 1900, NEH 1426 AMSL (4D/2C).

You must also contact the FAA as specified above when the temporary structure has been removed from the site to cancel the NOTAM(s). If it specifies above that you must contact the FAA via e-filing, please visit the instructions link at oeaaa.faa.gov and review the NOTAM Efile Desk Reference Guide for assistance.



