



Mail Processing Center
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Obstruction Evaluation Group
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Aeronautical Study No.
2022-ASO-21615-OE

Issued Date: 08/04/2022

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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:	Tower Crane East TC 420 (22192.00.00) 134 Lakeview Ave
Location:	West Palm Beach, FL
Latitude:	26-42-21.39N NAD 83
Longitude:	80-02-59.62W
Heights:	3 feet site elevation (SE) 440 feet above ground level (AGL) 443 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 (404) 305-6462, or mike.blaich@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-ASO-21615-OE

Signature Control No: 534623604-546617036

(TMP)

Michael Blaich
Specialist

Additional Condition(s) or Information for ASN 2022-ASO-21615-OE

Proposal: To construct and/or operate a(n) Tower Crane to a height of 440 feet above ground level, 443 feet above mean sea level.

Location: The structure will be located 2.81 nautical miles northeast of PBI Airport reference point.

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

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 PALM BEACH INTL, (561) 471-7420 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 Palm Beach Int'l ATCT at 561-275-1404 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 02/04/2024 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.

AGL = Above Ground Level
AMSL = Above Mean Sea Level
NM = Nautical Miles
ARP = Airport Reference Point
RWY = Runway
IFR = Instrument Flight Rule
CAT = Category
MDA = Minimum Descent Altitude
VFR = Visual Flight Rule
ATIS = Automated Terminal Information Service

To use a Temporary Crane to a height of 440 feet AGL, 443 feet AMSL, would be located approximately 2.81 NM northeast of the Palm Beach International Airport (PBI) ARP, West Palm Beach, FL. The proposed temporary crane (used for building construction) has been identified as an obstruction under the standards of Title 14, Code of Federal Regulations (CFR), Part 77 as follows:

Section 77.17(a)(3) - a height that increases minimum instrument flight altitudes within a terminal area (TERPS criteria).

Section 77.17 (a) (2) PBI: A height that is 200 feet AGL, or above the established airport elevation, whichever is higher, within 3 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 from the airport up to a maximum of 499 feet. The proposal exceeds by 224 feet.

*Increases CAT C Circling MDA, All Procedures, from 740 to 760.

Section 77.17 (a) (5): The surface of a takeoff and landing area of an airport or any imaginary surface established under 77.19, 77.21, or 77.23. However, no part of the takeoff or landing area itself will be considered an obstruction.

Section 77.19 (b) PBI: Conical surface. A surface, extending outward and upward, from the periphery of the horizontal surface at a slope of 20 to 1 for a horizontal distance of 4,000 feet. The temporary crane exceeds by 149 feet.

The temporary crane does not constitute substantial adverse effect because the equipment would be temporary and would not be a hazard to air navigation provided the conditions are strictly met.

Additional conditions:

1. The temporary crane operator shall contact the PBI Airport Manager at 561-471-7420 a minimum of 3-business days prior to the temporary crane being raised, and when operations are complete.
2. The temporary crane operator shall contact PBI Air Traffic Control Tower (ATCT) Manager at 561-275-1404 a minimum of 3-business days prior to the temporary crane being raised, daily when the crane is raised, and when operations are complete and the crane is lowered each day.

3. The temporary crane operator shall maintain a form of direct two-way communications at all times by providing his phone number on initial contact.
4. Hours of operation shall be determined by the Airport Manager and ATCT.
5. Information to pilots regarding the location and height of the crane, and any runway related actions via local Notice to Airmen (NOTAM) and ATIS shall be at the discretion of the Airport Manager/ATCT.
6. The temporary crane shall be lowered to the ground when not in use, between the hours determined by the Airport Manager and the ATCT, in conditions less than VFR (contact the ATCT for updated weather before raising the crane), during inclement weather, or when instructed to do so by the ATCT.
7. The sponsor shall ensure the crane, 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), and 15. The advisory circular is available for viewing at the following website: <https://oeaaa.faa.gov>.
8. The method for "e-filing" a NOTAM request to mitigate the IFR impacts must be followed as outlined below at least 5-business days in advance by the Sponsor or Representative to ensure the safety of air navigation and to personnel and property on the ground. The Sponsor is responsible for requesting extension of NOTAM. The NOTAM must also be cancelled in the same manner when operations are complete. The sponsor is responsible for ensuring the NOTAM is e-filed accordingly through the OE/AAA system.

Login to: oeaaa.faa.gov web site

Click-Temporary Structure Notification

Enter the aeronautical study number (ASN) & click search

Click - Add 7460-2

Click- Request a NOTAM

Enter all information & save

9. Notify mike.blaich@faa.gov, and luke.w.wray@faa.gov when crane operations are complete and the equipment removed from the work site.



