



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

Aeronautical Study No.
2023-ACE-1867-OE

Issued Date: 05/30/2023

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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 Saint Luke's Lee's Summit
Location:	Lee's Summit,, MO
Latitude:	38-56-32.99N NAD 83
Longitude:	94-22-47.23W
Heights:	984 feet site elevation (SE) 111 feet above ground level (AGL) 1095 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 Air Missions (NOTAM).

If you have any questions, please contact our office at (817) 222-5933, or andrew.hollie@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-ACE-1867-OE

Signature Control No: 577949844-588383580

(TMP)

Andrew Hollie

Specialist

Additional Condition(s) or Information for ASN 2023-ACE-1867-OE

Proposal: To construct and/or operate a(n) Tower Crane to a height of 111 feet above ground level, 1095 feet above mean sea level.

Location: The structure will be located 1.06 nautical miles south of LXT Airport reference point.

Case Description for ASN 2023-ACE-1867-OE

Temporary Tower Crane to support an addition to the existing Saint Luke's Hospital in Lee's Summit, MO. The existing structure is 96ft tall. This attached wing addition will be 70ft Tall needing the 110ft Tower Crane for support.

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

Section 77.17 (a) (3) by 19 feet - a height that increases a minimum instrument flight altitude within a terminal area (TERPS Criteria). The proposal would necessitate At 1095 AMSL 4D, Lee's Summit Muni (LXT), Lee's Summit, MO. Obstacle penetrates RWY 18 40:1 departure surface 19 feet, Qualifies as low, close in penetration with climb gradient termination altitude 200 feet or less above DER, requiring Take-Off Minimum and (Obstacle) Departure Procedures Amdt 1, NOTE: RWY 18, Crane 3617 feet from departure end of runway, 1278 feet right of centerline, 111 AGL, 1095 AMSL, NEH 1076 AMSL.

Preliminary FAA study indicates that the above mentioned structure would:

have no effect on any existing or proposed arrival, departure, or en route visual flight rules (VFR) operations.
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 Air Missions (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 AIR MISSIONS (NOTAM) CANCELLATION.

It is required that the manager of LEE'S SUMMIT MUNI, (816) 969-1186 be notified at least 3 business days prior to the temporary structure being erected and again when the structure is removed from the site.

This determination expires on 11/30/2024 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.

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

At 1095 AMSL 4D, Lee's Summit Muni (LXT), Lee's Summit, MO. Obstacle penetrates RWY 18 40:1 departure surface 19 feet, Qualifies as low, close in penetration with climb gradient termination altitude 200 feet or less above DER, requiring Take-Off Minimum and (Obstacle) Departure Procedures Amdt 1, NOTE: RWY 18, Crane 3617 feet from departure end of runway, 1278 feet right of centerline, 111 AGL, 1095 AMSL, NEH 1076 AMSL.

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.



