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Obstruction Evaluation Group
10101 Hillwood Parkway
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Aeronautical Study No.
2022-ACE-8279-OE

Issued Date: 11/24/2022

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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:	Mobile Crane Manitowoc MLC300 S3
Location:	Lee's Summit, MO
Latitude:	38-57-54.83N NAD 83
Longitude:	94-21-37.45W
Heights:	992 feet site elevation (SE) 200 feet above ground level (AGL) 1192 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 (816) 329-2508, or vee.stewart@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-ACE-8279-OE

Signature Control No: 560662269-562549385 (TMP)
Vee Stewart
Specialist

Proposal: To construct and/or operate a(n) Mobile Crane to a height of 200 feet above ground level, 1192 feet above mean sea level.

Location: The structure will be located 0.65 nautical miles northeast of LXT Airport reference point.

Part 77 Obstruction Standard(s) Exceeded and Aeronautical Impacts, if any:
Section 77.17 (a) (3) by 86 feet - a height that increases a minimum instrument flight altitude within a terminal area (TERPS Criteria). The proposal would necessitate increasing the RNAV (GPS) RWY 18, AMDT 3 LNAV MDA from 1360 to 144; increasing the RNAV (GPS) RWY 18, AMDT 3 CAT A Circling MDA from 1440 to 1500; increasing the RNAV (GPS) RWY 29, AMDT 3, LNAV/VNAV DA from 1254 to 1353; increasing the RNAV (GPS) RWY 29, AMDT 3 LNAV MDA from 1360 to 1460; increasing the RNAV (GPS) RWY 29, AMDT 3 CAT A Circling MDA from 1440 to 1500; increasing the VOR-A, AMDT 1 CAT A Circling MDA from 1440 to 1500.

Section 77.17 (a) (5) a height that affects an Airport Surface by penetrating:
Section 77.19 (a) Horizontal Surface by 38 feet as applied to LXT.

As defined in FAA JO 7400.2M, 6-3-8, Evaluating Effect on VFR Operations, the structure would lie within the TPA for all runways for all categories of aircraft. It would exceed the horizontal surface as applied to a visual approach runway by 38 feet.

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, marked-Chapters 3(Marked),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.

As a condition to this determination, the temporary structure must be lowered to 114 feet above ground level (1106 feet above mean sea level) , when not in use and during the hours between sunset and sunrise.

If the crane cannot be lowered to this height, then the following condition must also be met for nighttime conspicuity:

The structure must be lighted in accordance with FAA Advisory Circular 70/7460-1M , Obstruction Marking and Lighting, red lights – Chapters 4, 5(Red),&12.

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.

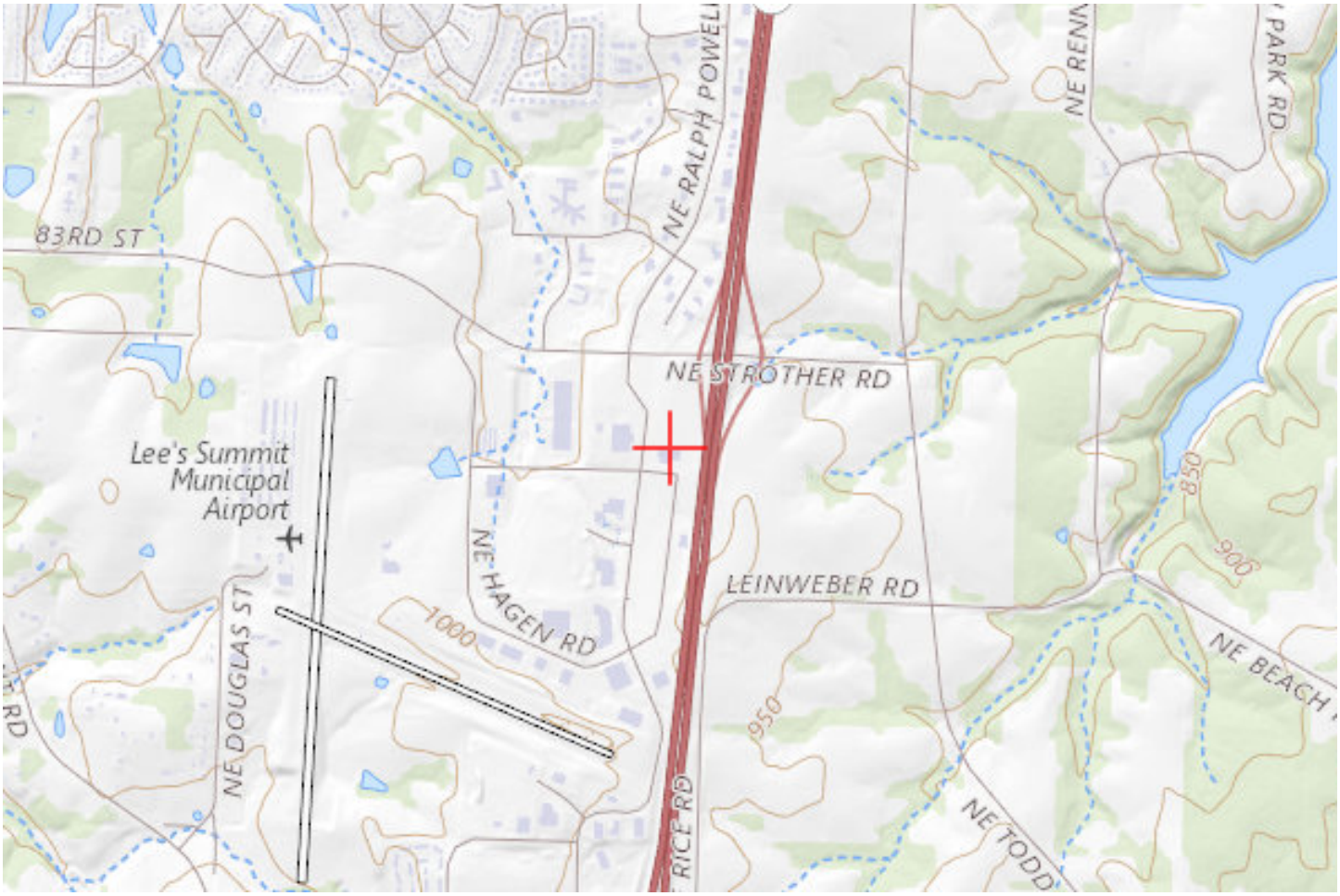
This determination expires on 12/23/2023 unless extended, revised, or terminated by the issuing office.

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.

It is REQUIRED that Joel Arrington, Manager, Lee's Summit Municipal Airport (LXT), at 816-969-1181, 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 Marissa McQueen, Kansas City ATCT/TRACON, Kansas City, MO Support Specialist (marissa.mcqueen@faa.gov) and Ryan Bailey, Kansas City ATCT/TRACON, Kansas City, MO Support Specialist (ryan.bailey@faa.gov) be notified via email at least 3 FULL BUSINESS days prior to the temporary structure being erected and again when the structure is removed from the site. As stated above, please make notification (using your e-filing account) to the FAA at least 3 FULL BUSINESS days before your crane is erected and again when lowered/removed. To complete this condition, under "Off Airport Construction", select "Temporary Structure Notification", enter your ASN (aeronautical study number) and select search, select "Add 7460-2", select "Request a NOTAM" then complete the information, select save then confirm to submit. If you receive a voice mail when you call any required phone number(s) to provide notification or are required to send an email notification, please leave the following information: The ASN, the start date for the construction of the equipment, the down date for the equipment, the time the equipment will be raised on the first day (whether the equipment is being raised to start the project or just being set up), the on-site contact name and phone number, your name and phone number.

Abbreviations:
AMDT, Amendment
ATCT, Air Traffic Control Tower
CAT, Category
DA, Decision Altitude
GPS, Global Positioning System
LNAV, Lateral Navigation
MDA, Minimum Descent Altitude
NOTAM, Notice to Air Missions
RNAV, Area Navigation
RWY, Runway
TPA, Traffic Pattern Airspace
TRACON, Terminal Radar Approach Control
VFR, Visual Approach Runway
VHF, Very High Frequency
VNAV, Vertical Navigation
VOR, VHF Omnidirectional Radio Range System

TOPO Map for ASN 2022-ACE-8279-OE



Sectional Map for ASN 2022-ACE-8279-OE