



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

Aeronautical Study No.
2023-ACE-7155-OE

Issued Date: 04/24/2024

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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 Temp Crane Work Area
Location:	Kansas City, MO
Latitude:	39-06-36.39N NAD 83
Longitude:	94-34-52.06W
Heights:	800 feet site elevation (SE) 170 feet above ground level (AGL) 970 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, 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) 222-4559, or luke.w.wray@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-ACE-7155-OE

Signature Control No: 601185599-619718991

(TMP)

Luke Wray

Specialist

Additional Condition(s) or Information for ASN 2023-ACE-7155-OE

Proposal: To construct and/or operate a(n) Tower Crane to a height of 170 feet above ground level, 970 feet above mean sea level.

Location: The structure will be located 0.94 nautical miles southeast of MKC 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 Air Missions (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

It is required that the manager of CHARLES B WHEELER DOWNTOWN, (816) 859-7610 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 Kansas City Downtown Air Traffic Control Tower at 816-329-2885 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 10/24/2025 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.

Additional information for ASN 2023-ACE-7155-OE

AGL, Above Ground Level,
AMSL, Above Mean Sea Level
ARP, Airport Reference Point
CFR, Code of Federal Regulations
MKC, Charles B. Wheeler Downtown Airport
RWY, Runway
TKX, Kennett Memorial Airport
TPA, Traffic Pattern Airspace

Part 77 - Title 14 CFR Part 77, Safe, Efficient Use and Preservation of the Navigable Airspace

The four (4) crane studies would be located approximately 0.87 - 0.98 NM southeast of the ARP for the Charles B. Wheeler Downtown Airport (MKC), Kansas City, MO.

The crane studies are identified as exceeding the obstruction standards of 14 CFR Part 77 as applied to MKC:

77.17 (a)(2) 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 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. All four (4) crane studies exceed by 64 feet.

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:

Section 77.19 (a): Horizontal surface. A horizontal plane 150 feet above the established airport elevation. All four (4) crane studies exceed by 64 feet.

The crane operating area would lie within climb and descent area of the TPA for all category aircraft operating at MKC. The cranes exceed by 64 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.

*****MANDATORY COORDINATION*****

It is REQUIRED that Rod DeWinkler, MKC Airport Manager, at 816-859-7610 be notified at least 3 FULL BUSINESS days prior to the temporary structure being erected and again when the structure is removed from the site. It is REQUIRED that Paul Apel, Air Traffic Manager, Kansas City Downtown Air Traffic Control Tower at 816-329-2885 be notified at least 3 FULL BUSINESS days prior to the temporary structure being erected and again when the structure is removed from the site. If Mr. Apel is not available, please contact Mike Emms, Front Line Manager at 816-329-2826.

