## Stantec

SANFORD SEACOAST REGIONAL AIRPORT SANFORD, MAINE

## AIRPORT MASTER PLAN UPDATE












DECLARED DISTANCES RUNWAY 14-32


DECLARED DISTANCES RUNWAY 14-32

| Existing and Ultimate Runway Data |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rumayy ldentifation |  |  |  |  |  |  |  |
| Runway Design Code (RDC) Approach Reference Code (APRC |  | Runway 7/25 C-II-4000 |  |  |  | (ex |  |
|  |  | oivtueo Co | Divs500 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Paement Stenats Surfae Treament |  | $\xrightarrow{\text { Gioved }}$ |  | none |  |  |  |
| Percent (\%) Wind CoverageRunway Dimensions ( $\times$ W) |  |  |  |  |  | $\xrightarrow{95.09 \%}$ |  |
|  |  | Runway 7 | Runway 25 |  |  |  |  |
|  |  |  | ${ }^{2323282850}$ |  |  |  |  |
|  |  | $\mathrm{N}_{43^{5} 23^{2312}}$ |  |  |  | $4714 \times 150$$\mathrm{~N} 43^{\circ} 24^{1} 01.24^{\prime \prime}$$\mathrm{W} 070^{\circ} 42^{\prime} 51.51^{\prime \prime}$ |  |
| Rummy End Cordines | Sonate |  |  | Noro ${ }^{242}$ |  |  |  |
| Odinates |  | NA | N438 ${ }^{22^{3} 4^{43^{4}}}$ | N448235 ${ }^{2} 5$ | NA | $\mathrm{N} 43^{\circ} 23^{\prime} 57.00^{\prime \prime}$ <br> $\mathrm{W} 070^{\circ} 42^{\prime} 41.00^{\prime \prime}$ <br> 241.8 |  |
|  |  | NA |  |  |  |  |  |
|  |  |  | NA | ${ }_{\text {cose }}^{\substack{\text { a38 }}}$ | ${ }_{885}^{2485}$ |  | NA | ${ }_{\text {NA }}$ |
|  |  |  |  |  |  |  | $\xrightarrow{1000 \times 550 \times 700}$ |  |
|  |  |  | ${ }^{\frac{1}{4} 700 \times 5000 \times 1000}$ | ${ }_{\text {ITOOX }}$ | ${ }^{1.700 \times 500 \times 1.000}$ | ${ }^{\frac{1}{1000} \times 5000 \times 700}$ |  |
| Runway Marking Type <br> 14 CFR Part 77 Approach Category |  |  | Norareasision |  |  | $\underbrace{\substack{\text { 20, }}}_{\text {Rasic }}$ | Norfoesion |
| Aparoen Trpe |  |  | Nonfreed | Vsasal | Nor. Preed |  |  |
|  |  | Vericaraly | Vertraty Sowised | Vsad | Soss | Usasal | $\xrightarrow{\text { sosom }}$ |
|  |  | Yes | Yes | Yes | No | Yes |  |
|  |  |  |  |  |  |  |  |
|  |  | 30.1. Wh Tiss Peenerations | ${ }^{30.150}$ |  | 20.1 Wo TSSP Penentataions |  |  |
|  |  |  |  |  | Stion | 40:1 No Porenera |  |
|  |  | ${ }^{240,6}$ | , | ${ }_{24.1}{ }^{\text {a }}$ |  | ${ }_{24.1}$ |  |
|  |  | ${ }_{\text {coser }}$ | ${ }_{79}{ }_{7}$ |  | ${ }_{\substack{39 \\ 79}}$ |  |  |
| Taxiway and Taxilane Safety Area DimensionTaxiway and Taxilane Object Free Area |  | ${ }_{\substack{196 \\ 98 \\ \hline 3^{\circ}}}$ | ${ }_{\substack{318115}}^{185}$ |  | ${ }_{85}^{8115}$ | Stis |  |
| Taxiway / Taxilane Lighting Vertical and Horizontal Datum |  | ${ }^{\text {min }}$ | ${ }_{\text {min }}$ |  |  | NAD 83 / NAVD 88NAD 83 |  |
|  | $\frac{\text { Heirorat }}{\text { Verital }}$ | NuTO 88 |  | $\begin{gathered} \text { NAD } 83 \text { / NAVD } 88 \\ \hline \text { NAD } 83 \\ \hline \text { NAVD } 88 \\ \hline \end{gathered}$ |  |  |  |  |






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SANFORD SEACOAST REGIONAL AIRPORT

SANFORD, MAIN
${ }^{\text {THile }}$ AIRPORT DATA SHEE
$\underset{\substack{\text { Project No. } \\ 195210 \_}}{\text {Sclale }}$ AS NOTE
Drawing No.
$10 \quad 10$ of 12

| 10 |
| :--- |
| Drawing No. |

0 of 12



August 14, 2017

TO:
Sanford Regional Airport
Attn: M. Allison Rogers
167 Airport Rd, Suite D
Sanford, ME 04073
marogers@sanfordmaine.org

CC:
CITY OF SANFORD
919 MAIN STREET
SANFORD, ME 04073
marogers@sanfordmaine.org

RE: (See attached Table 1 for referenced case(s))
ALP 7460 No Objection Letter
**FINAL DETERMINATION**
Table 1 - Letter Referenced Case(s)

| ASN | Prior ASN | Location | Latitude <br> (NAD83) | Longitude <br> (NAD83) | AGL <br> (Feet) | AMSL <br> (Feet) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2017-ANE-399-NRA |  | SANFORD, ME | $43-23-37.70 \mathrm{~N}$ | $70-42-28.80 \mathrm{~W}$ | 1 | 245 |

Description: ALP Update
The proposed change to your currently approved Airport Layout Plan (ALP) submitted, has been reviewed under the authority of Part 77 and under the requirements of the Terms and Conditions of Accepting Airport Improvement Program Grants dated September 1, 1999. This review has considered the safety and utility of aircraft operations and planned navigational aids as related to this proposal.

The proposal does not exceed any federal obstruction standard, however the following conditions need to be met for the Federal Aviation Administration (FAA) to have no objections to the proposed development. Airport Layout Plans (ALPs) are long term planning initiatives and limited in scope, therefore conceptual in nature. ALP approval does not constitute blanket approval of new structures given the absence of detailed structure information required for comprehensive review.

All new structures require separate aeronautical study submissions with detailed building plans for independent study. Ensure appropriate Notice of Construction/Alteration, FAA 7460-1, is filed for review of all permanent and temporary structures.

VISAIDS: Missing Runway Data Table: Provide full Runway Data Table with appropriate listing of existing and proposed runways along with their respective VISAIDS, physical dimensions, lat/long coordinates \& elevations for the runway ends and displaced thresholds.

Ultimate RWY 14-32 Width Reduction from $100^{\prime}$ to $75^{\prime}$ : Potential Impact on RWY 14-32 PAPIs If RWY 14-32 width will be reduced from the published $100^{\prime}$ to $75^{\prime}$, then a determination will need to be made as to whether or not the RWY 14-32 PAPIs will remain compliant with the FAA mandated LHA1-to runway edge distance requirement, in accordance with FAA Order JO6850.2B, par 505a or AC 150/5340-30H, par 7.5d(7).

Future Fence in ODALS approach light plane: ALP drawing shows part of the future fence crossing the ODALS approach light plane. Please ensure that the fence does not penetrate the approach light plane.

Future Solar Farm Future Non-Aeronautical Development: Potential VISAIDS Impact ALP drawing shows future solar farm and other non-aeronautical development in the RW 25 approach area. The proposed solar farm boundaries must be verified and accurately captured on the SFM ALP. Future solar farm will need to be evaluated for potential impact. Future submission of the 7460 Form will be required.

Proposed Buildings \& Hangars: Line-of-sight restriction to airfield VISAIDS and antennae Please ensure that there is no line-of-sight restriction to airfield VISAIDS and antennae from their controlling point.

KW 25 ODALS Approach Line Plane Clearance: Please ensure that no object penetrates the approach light plane for the ODALS. Route 109 is shown crossing the ODALS' approach light plane. Please ensure that vehicles on Route 109 remain below the light plane and do not obstruct the visibility to the ODALS lights from approaching aircraft.

It should be noted that this study did not consider the height of construction equipment. This information needs to be coordinated with this office via an "Airspace Study Checklist" before construction begins.

This study did not evaluate the plans for operational safety during construction. Those plans should be submitted to this office for coordination and review prior to construction.

This determination does not include any environmental analysis or environmental approval for this proposal. All local and state requirements and/or permits must be obtained to prior to construction of this proposal.

This determination does not include approval of any lease, does not release any surplus or grant agreement acquired airport property, nor does it relieve the airport owner or the proponent of compliance with Part 155, or any other law, ordinance, or regulation of federal, state, or local government body or organization. Furthermore, the design and location of any stormwater retention/detention facilities on or near the airport must comply with FAA Advisory Circular 150/5200-33 "Hazardous Wildlife Attractants on or Near Airports", and must be approved on the ALP prior to construction.

We look forward to working with you in the continued development of your airport. If you have any questions, please contact me at (781)238-7631 michelle.ricci@faa.gov.

Michelle Ricci
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