

# **Snow Removal Equipment (SRE) Justification Guide**

## **Michigan State Block Grant Program**

This guidance is provided to assist eligible airport sponsors when planning for snow removal equipment acquired under FAA's Airport Improvement Program. This guidance is in accordance with FAA Advisory Circulars 150/5220-20 "Airport Snow and Ice Control Equipment" and 150/5200-30 "Airport Winter Safety Operations". These advisory circulars are available on FAA's website:

[http://www.faa.gov/regulations\\_policies/advisory\\_circulars](http://www.faa.gov/regulations_policies/advisory_circulars).

The amount and size of SRE must be reviewed for each individual airport as many factors need to be considered. Variables used to determine what's allowed using federal funding for snow removal equipment include:

- Airport Type – Commercial Service or Non-Commercial (General Aviation). In general, commercial service airports justify more snow removal equipment than non-commercial general aviation airports.
- Average Annual Snowfall – Average annual snowfall above 30 inches receives a higher priority than those below 30 inches. The airport sponsor may use any reputable source available to determine the average annual snowfall.
- Aircraft Operations – More snow removal equipment is justified for airports having more activity. The number of operations can be obtained from the airport's 5010 Master Record. This information can be found on the Internet at <http://www.gcr1.com/5010web/>.
- Size of Runways, Taxiways, and Apron (Priority 1 Areas) – The runways, taxiways, and apron area that are critical for aircraft operations are used to justify SRE. Typically, crosswind runways, supporting taxiways, and paved shoulders are not considered critical, and are not included for SRE justification. For simplicity reasons, 2/3 of the primary apron can be considered as critical to aircraft operations. Emergency vehicle routes should also be considered as Priority 1 (critical) area.

Refer to FAA Order 5100.38 (AIP Handbook) for factors to consider for justification and eligibility for Snow Removal Equipment acquisition.

A request to acquire SRE should include the following documentation.

- A narrative of the proposed equipment and estimated cost. If the new equipment is to replace existing equipment, a reason for the replacement should be provided.
- A completed "Snow Removal Equipment Calculations" worksheet. This worksheet can be obtained on MDOT AERO's website: [http://www.michigan.gov/aero/0,4533,7-352-79377\\_79414---,00.html](http://www.michigan.gov/aero/0,4533,7-352-79377_79414---,00.html)  
Please select the appropriate worksheet based on whether your airport has commercial service or not. Include support documentation (e.g. source of avg. annual snowfall).

- A completed & signed “Airport Snow Removal Equipment Inventory” sheet. This worksheet can be obtained on MDOT AERO’s website: [http://www.michigan.gov/documents/aero/Snow\\_Removal\\_Inventory\\_Worksheet\\_304136\\_7.pdf](http://www.michigan.gov/documents/aero/Snow_Removal_Inventory_Worksheet_304136_7.pdf).
- A drawing that shows the Priority 1 (Critical) areas. You can use an Airport Layout Plan sheet, 5010 sketch, Michigan Airport Directory sketch, etc. to show these areas.

This information should be provided as an attachment for the proposed concept in AERO PM. The information will be evaluated for eligibility and a written determination will be provided to the Sponsor.

Updated: 1/10/18