

11-6-19 SDCL REVIEW
AIP 3-46-0048-030
REHABILITATE AND CORRECT LINE OF SIGHT
RUNWAY 5-23 AND TAXIWAY B
RAPID CITY REGIONAL AIRPORT

DESCRIPTION OF REQUEST

The Rapid City Regional Airport requests approval from the Planning Commission in regards to the 11-6-19 SDCL review for the *Rehabilitate and Correct Line of Sight – Runway 5-23 and Taxiway B Project*. Project development has been coordinated with the Federal Aviation Administration and the South Dakota Department of Transportation Office of Aeronautics and meets their design criteria.

The general purpose of the project was as follows:

- To rehabilitate the existing bituminous pavement surfaces which had exceeded their design life and had become rough to the point of becoming a hazard to the small aircraft which use the facility. The horizontal footprint of Runway 5-23 and Taxiway B remains unchanged. Pavement rehabilitation ranged from areas of complete removal and replacement at the existing gradeline, complete removal and replacement at revised gradeline and areas of mill and overlay.
- To correct a line of sight issue which presented a safety hazard to aircraft. The FAA design criteria contain parameters for a pilot's line of sight which were not being met prior to the project. The profile of Runway 5-23 and Taxiway B were redefined to meet these criteria.
- To correct a safety issue where a portion of the perimeter security fence was located within what is known as the Object Free Area (OFA) of Runway 5-23. The object free area is an area on the ground centered on a runway, taxiway or taxilane centerline provided to enhance the safety of aircraft operations by having the area free of objects, except for objects that need to be located in the OFA for air navigation or aircraft ground maneuvering purposes. A portion of the fence was realigned to be located outside of the OFA. Other portions of the fence were offset from the existing fence line by seven feet to facilitate construction and maintain the integrity of security during construction activities.
- Electrical fixtures and cable were upgraded primarily utilizing the existing foundations and conduits.