PART IV – PROGRAM NARRATIVE

(Suggested Format)

PROJECT: AIP #3-46-0041-012-2020

AIRPORT: Onida Municipal Airport

1. Objective:

This project shall consist of the Design of Runway 13/31 (±3,800' x 60') Reconstruction/Rehabilitation and turnaround construction on the 13 end. A wetland delineation will also be performed to determine if wetlands are present within the project area and make plans for mitigation measures. A Geotechnical Exploration will also be performed to identify materials beneath the Runway to aid in design of the pavement section.

2. Benefits Anticipated:

Results from the 2018 Pavement Condition Index Surveys presented a value of 63 for the majority of the runway and 80 for the extension in 2007. The minimum PCI requirement for Runways is 60. The pavement is approaching the end of its useful life and 3,100' of the runway is in need of reconstruction.

3. Approach: (See approved Scope of Work in Final Application)

Complete Geotechnical Exploration
Complete Wetland Delineation
Complete Cultural Survey
Complete Topographic Survey
Begin Design
Develop Preliminary Design Report
Develop Construction Safety Plan
Complete Design for FAA Review
Advertise the Project and Open Bids
Award the Construction Contract

4. Geographic Location:

Onida Municipal Airport, Onida, Sully County, South Dakota

5. If Applicable, Provide Additional Information:

The 700' section of Runway 31 will suffice with a mill and overlay. A wetland delineation and geotechnical exploration of the site are necessary to aide in practical design of the project.

6. Sponsor's Representative: (include address & telephone number)

Gary Wickersham, Mayor 605-258-2441
PO Box 72
Onida, SD 57564-0072

ONIDA MUNICIPAL AIRPORT

Description of Work
This project shall include Runway 13/31 (±3,800' x 60') Reconstruction and Turnaround Construction on the 13 End.

N E W S

11" X 17" 1" = 400'
24" X 36" 1" = 200'

SECTION LINE
CROP LINE
GATE
GRAVEL ACCESS ROAD
FLAG POLE
GATE
CONSTRUCTION HAUL ROUTE
4' HIGH BARBED WIRE
GATE
CONSTRUCTION STAGING AREA
FUEL SYSTEM
FLAG POLE BEACON
GATE
GATE 4' HIGH BARBED WIRE FENCING
25' WIDE HANGAR TAXILANE
PROPOSED CONSTRUCTION LIMITS
HANGAR
GRAVEL
GRAVEL
HANGAR
175'X200' APRON
25' WIDE HANGAR TAXILANE 25'
HANGAR
4' HIGH BARBED WIRE FENCING (TYPICAL)
RUNWAY END 13 TURNAROUND CONSTRUCTION
TWY SIGN
HOLD LINE
TAXIWAY LIGHTS
RUNWAY 13/31 RECONSTRUCTION
PAPI'S
RUNWAY END 13 ELEV. 1861.32
NON-PRECISION RUNWAY MARKINGS
60' X 3800' 13/31 ASPHALT RUNWAY
RUNWAY PROTECTION ZONE
LIGHTED WINDCONE
4' HIGH BARBED WIRE FENCING (TYPICAL)
120' X 2179' 8/26 TURF RUNWAY
120'
RUNWAY END 8
GRAVEL ROAD
GRAVEL ROAD
4' HIGH BARBED WIRE FENCING PROPERTY LINE
RUNWAY PROTECTION ZONE
RUNWAY PROTECTION ZONE
RUNWAY END 26
CROP LINE
LIGHTED WINDCONE
75' WIDE TURN AROUND HOLD LINE
TAXIWAY LIGHTS
THRESHOLD LIGHTS
RUNWAY END 31
PAPI'S
RUNWAY 13/31 REHABILITATION (MILL & OVERLAY)
LOW INTENSITY RUNWAY LIGHT (TYPICAL)
GRAVEL ROAD
PROPERTY LINE

LEGEND

- PROPOSED CONSTRUCTION LIMITS
- STAGING AREA
- HAUL ROUTE

No.	Revisions	By	App.	Date

I Hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the law of the State of South Dakota.
Registration No.

221 Brown County Highway 19
P.O. Box 111,
Aberdeen, S.D. 57401
Phone: 605.225.1212,
Fax: 605.225.3189
Email: terryh@helmsengineering.com

Helms & ASSOCIATES
CIVIL ENGINEERS & LAND SURVEYORS

Drawn By: HELMS
Chk' By:
Proj. No: A-7538
Dwg. No: AIRPORT LAYOUT
V.P. No: LAYOUT
Date: 11-2019

PROJECT SKETCH/DESCRIPTION

AIRPORT LAYOUT PLAN
ONIDA MUNICIPAL AIRPORT
ONIDA, SOUTH DAKOTA