PART IV – PROGRAM NARRATIVE

(Suggested Format)

PROJECT: AIP #3-46-0005-032-2020

AIRPORT: Brookings Regional Airport

1. Objective:

This project shall include the reconstruction of a Hangar Taxilane (±350' x 35'). This work includes Full Depth Reclamation, Grading, Subbase Course, Aggregate Base Course, Asphalt Paving, Underdrain Piping, Pavement Marking, Topsoiling, Seeding, and Erosion Control.

This project will also reimburse the City of Brookings for the Alternate Bid No. 1 Access Road Reconstruction from the 2019 Apron and Taxilane Improvements project.

2. Benefits Anticipated:

The new taxilane will replace the old taxilane with a PCI of 0.

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

Complete Geotechnical Subgrade Exploration
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:

Brookings Regional Airport, Brookings, Brookings County, South Dakota

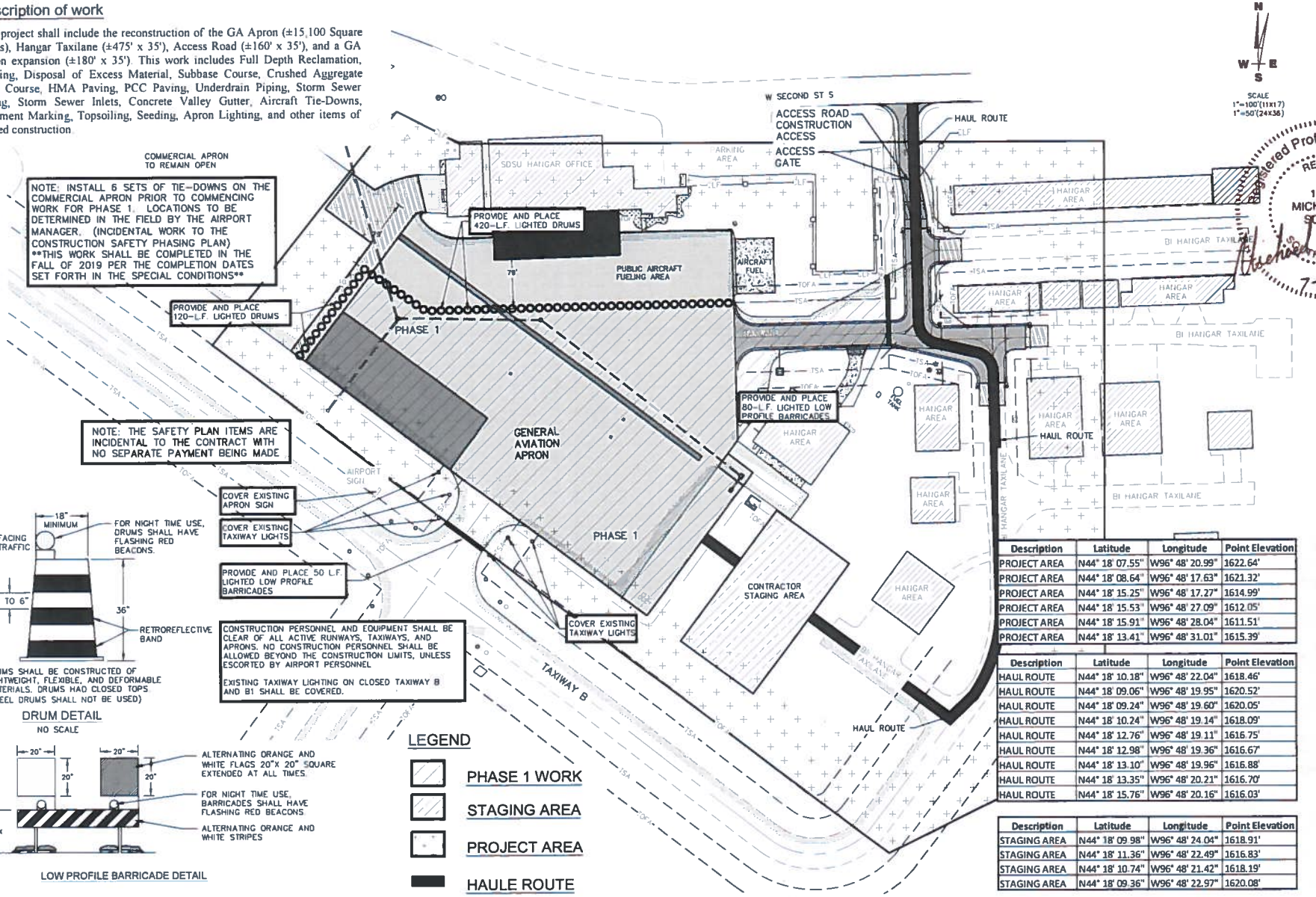
5. If Applicable, Provide Additional Information:

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

Jackie Lanning, City Engineer 605-692-6629
PO Box 270
Brookings, SD 57006

Description of work

This project shall include the reconstruction of the GA Apron (±15,100 Square Yards), Hangar Taxilane (±475' x 35'), Access Road (±160' x 35'), and a GA Apron expansion (±180' x 35'). This work includes Full Depth Reclamation, Grading, Disposal of Excess Material, Subbase Course, Crushed Aggregate Base Course, HMA Paving, PCC Paving, Underdrain Piping, Storm Sewer Piping, Storm Sewer Inlets, Concrete Valley Gutter, Aircraft Tie-Downs, Pavement Marking, Topsoiling, Seeding, Apron Lighting, and other items of related construction.



Description	Latitude	Longitude	Point Elevation
PROJECT AREA	N44° 18' 07.55"	W96° 48' 20.99"	1622.64'
PROJECT AREA	N44° 18' 08.64"	W96° 48' 17.63"	1621.32'
PROJECT AREA	N44° 18' 15.25"	W96° 48' 17.27"	1614.99'
PROJECT AREA	N44° 18' 15.53"	W96° 48' 27.09"	1612.05'
PROJECT AREA	N44° 18' 15.91"	W96° 48' 28.04"	1611.51'
PROJECT AREA	N44° 18' 13.41"	W96° 48' 31.01"	1615.39'

Description	Latitude	Longitude	Point Elevation
HAUL ROUTE	N44° 18' 10.18"	W96° 48' 22.04"	1618.46'
HAUL ROUTE	N44° 18' 09.06"	W96° 48' 19.95"	1620.52'
HAUL ROUTE	N44° 18' 09.24"	W96° 48' 19.60"	1620.05'
HAUL ROUTE	N44° 18' 10.24"	W96° 48' 19.14"	1618.09'
HAUL ROUTE	N44° 18' 12.76"	W96° 48' 19.11"	1616.75'
HAUL ROUTE	N44° 18' 12.98"	W96° 48' 19.36"	1616.67'
HAUL ROUTE	N44° 18' 13.10"	W96° 48' 19.96"	1616.88'
HAUL ROUTE	N44° 18' 13.35"	W96° 48' 20.21"	1616.70'
HAUL ROUTE	N44° 18' 15.76"	W96° 48' 20.16"	1616.03'

Description	Latitude	Longitude	Point Elevation
STAGING AREA	N44° 18' 09.98"	W96° 48' 24.04"	1618.91'
STAGING AREA	N44° 18' 11.36"	W96° 48' 22.49"	1616.83'
STAGING AREA	N44° 18' 10.74"	W96° 48' 21.42"	1618.19'
STAGING AREA	N44° 18' 09.36"	W96° 48' 22.97"	1620.08'

Registered Professional Engineer REG. No. 11520 MICHAEL S. SCHAFFER SOUTH DAKOTA 7-10-2019

Helms & ASSOCIATES
CIVIL ENGINEERS & LAND SURVEYORS
221 Bryson County Highway 19
P.O. Box 111
Aberdeen, S.D. 57401
Phone: 605.225.1112
Fax: 605.225.1119
Email: service@helmsengineering.com

Drawn By: TMO
Calc By: MAS
Prj No: A-4805
Dwg No: GS01-01
VP No: SAFE
Date: 11/16/18

CONSTRUCTION SAFETY PHASING PLAN LAYOUT-PHASE I
APRON AND TAXILANE IMPROVEMENTS
BROOKINGS REGIONAL AIRPORT
BROOKINGS, SOUTH DAKOTA