

WORK ORDER/PROPOSAL FOR PROFESSIONAL SERVICES

TO:	Hughes County	BROSZ PROPOSAL #:	N/A
CONTACT:	Trent Arbach, Highway Superintendent	BROSZ PROJECT #:	2302XXX
ADDRESS:	Hughes County Highway Department 2401 293 rd Avenue Pierre, SD 57501	JOB TITLE:	Hughes County – North Bend Road Use Inspection Services
OFFICE:	(605) 773-7486	JOB DESCRIPTION:	Inspection Services
CELL:	(605) 220-4080	JOB LOCATION:	Hughes County, South Dakota
EMAIL:	Trent.Arbach@co.hughes.sd.us		

BROSZ ENGINEERING WILL PROVIDE ENGINEERING SERVICES TO THE CLIENT AS SET FORTH BELOW:

Scope of Services

The complete scope of services listed on Exhibit A is included with this transmittal. The overall completion date for the **Haul Route Inspection Services** shall be **December 31, 2025**.

Compensation

The services as outlined in Exhibit A will be provided as needed throughout the duration of the project. Fees for this work will be as detailed below for **Haul Route Inspection Services**.

2.4 Evaluation of Designated Roads Prior to Construction

- \$5,350.00/Mile x 7.2 Miles = **\$38,520**

2.4a Evaluation of Designated Roads During Construction

- \$5,350.00/Mile

2.4b Evaluation of Designated Roads After Construction

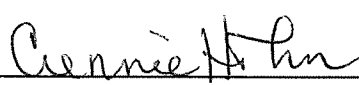
- \$5,350.00/Mile x 7.2 Miles = **\$38,520**

This proposal also references the North Bend Road Use Agreement between Hughes County & North Bend Wind Project, LLC.

This work order/proposal incorporates and includes the attached General Conditions.

ACCEPTANCE & AUTHORITY:

ACCEPTED: Hughes County


SIGNATURE: 

PRINTED: Connie Hohn

TITLE: Hughes County Commission, Chairperson

DATE: 4/17/23

ACCEPTED: Brosz Engineering, Inc.

SIGNATURE: 

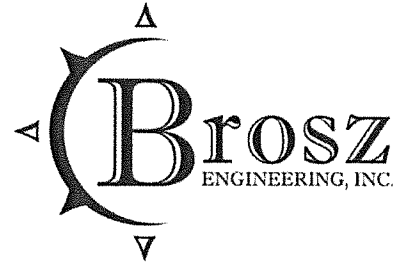
PRINTED: Kyle Kurth, PE

TITLE: Project Manager

DATE: 04/14/2023

Please sign, retain one copy for your records and return one copy to Brosz Engineering, Inc. for authorization to proceed.

EXHIBIT A
SCOPE OF SERVICES FOR CONSULTANT SERVICES



Date: 04/17/2023

PROJECT INFORMATION

North Bend Wind Project, LLC is developing a wind-powered electric generating facility with a planned nameplate capacity of up to approximately 200 MW, located in Hyde and Hughes Counties, South Dakota.

Hughes County is responsible for the maintenance of certain roads within Hughes County. The County has limited resources and cannot afford to repair damage to the highway system caused by large-scale industrial development. The increased frequency of heavy roads associated with large-scale industrial development will shorten the lifespan of the highway system whether or not there are visible signs of damage.

In connection with the development, construction, operation, maintenance, and decommissioning of the Project, it will be necessary for Developer and its contractors and subcontractors or designees to:

- Transport heavy equipment and materials over designated haul routes located in the County, which may in certain cases be in excess of the design limits of such roads;
- Transport personnel, equipment, and materials on such roads using vehicles weighing 5 tons or more in gross vehicle weight;
- Widen such roads and make certain modifications and improvements (both temporary and permanent) to such roads to permit such equipment and materials to pass;
- Place certain electrical cables for the Project adjacent to, or under, or across certain roads for the purposes of the collection, distribution, and transmission of electricity to and from, and between and among various parts of the project.

The County and Developer have entered into an agreement for the use, repair and improvement of the Designated Roads.

SCOPE OF WORK

Brosz Engineering, Inc. will complete the following tasks on behalf of Hughes County:

2.4 Evaluation of Designated Roads Prior to Construction

- Within 60 days prior to commencement the Developer will provide County reasonable notice, not less than 45 days, of the commencement of construction.
- The evaluation **SHALL** include the existing condition of the roadways, bridges and culverts along the Designated Roads.
 - See Appendix B (North Bend Road Use Agreement) for Designated Roads
 - See Appendix C (North Bend Road Use Agreement) for Bridges
 - Culverts will be located during Investigation
- The evaluation **MAY** include, but is not limited to the following:
 - Profilometer, video, pictures, roadway borings, level and tape measurements, calculations, etc. and/or
 - Services of Civil, Structural and Geotechnical consultants
- Task List for Inspection Includes:

A: 3030 Airport Road, Suite A, PO Box 23, Pierre, SD 57501

P: (605) 224-1123

W: broszeng.com

- Geotechnical Investigation to Determine Existing Gravel Surfacing Thickness
 - Location of Geotechnical Exploration & Samples to be Captured via Survey Equipment
 - Bridge Inspections will consist of compiling most recent inspection data & pictures and complete and on-site verification.
 - Culvert Inspections will consist of locating culverts along Designated Roads & Completing Inspection to Document Diameter, Length, Material Type, Condition, Pictures and obvious defects.
 - Rut Measurements via straight edge & tape measure at all Geotechnical Investigation Locations & mid-way point between Geotechnical Investigation Locations.
 - Video & Pictures of Each Designated Road Segment.
- Provide a copy to the Developer not less than 10 day before commencement of construction OR as soon as the report is available.

2.4a Evaluation of Designated Roads During Construction

- If, pursuant to Section 2.1 in the North Bend Road Use Agreement, Developer submits to the County an updated version of Appendix B that designates an additional road as a Designated Road, the County shall perform an Evaluation with respect to such additional Designated Road in accordance with Section 2.4 in the North Bend Road Use Agreement. County is not required to perform evaluations when the ground is frozen. The developer will be charged the actual cost for the inspection and report for any additional inspections completed.

2.4b Evaluation of Designated Roads After Construction

The Developer shall provide the County with not less than 30 days' written notice before construction is completed. The County shall then perform an inspection of the Designated Roads, similar to the Initial Evaluation of Designated Roads described above (*2.4 Evaluation of Designated Roads Prior to Construction*), as soon as reasonably possible and in any event not more than 60 days after construction is completed.

- The evaluation **SHALL** include the existing condition of the roadways, bridges and culverts along the Designated Roads.
 - See Appendix B (North Bend Road Use Agreement) for Designated Roads
 - See Appendix C (North Bend Road Use Agreement) for Bridges
 - Culverts will be located during Investigation
- The evaluation **MAY** include, but is not limited to the following:
 - Profilometer, video, pictures, roadway borings, level and tape measurements, calculations, etc. and/or
 - Services of Civil, Structural and Geotechnical consultants
- Task List for Inspection Includes:
 - Geotechnical Investigation to Determine Existing Gravel Surfacing Thickness
 - Location of Geotechnical Exploration & Samples to be Captured via Survey Equipment
 - Bridge Inspections will consist of compiling most recent inspection data & pictures and complete and on-site verification.
 - Culvert Inspections will consist of locating culverts along Designated Roads & Completing Inspection to Document Diameter, Length, Material Type, Condition, Pictures and obvious defects.
 - Rut Measurements via straight edge & tape measure at all Geotechnical Investigation Locations & mid-way point between Geotechnical Investigation Locations.
 - Video & Pictures of Each Designated Road Segment.
- Results of this inspection shall be documented in the After Construction Evaluation of Designated Roads. The After Construction Evaluation report shall report on:

- The then-existing conditions of the Designated Roads and include the results of the post-construction evaluation.
 - Itemization of any restoration needed.
 - Estimated Costs to bring the roadways, bridges and culverts along the Designated Roads back to the condition recorded in the Initial Evaluation of Designated Roads.
- Provide a copy to the Developer not more than 15 days after the completion of the evaluation.

Owner will provide the following work items for the project:

Notification of Construction Commencement

Notification of Construction Completion

Any Updates as per Section 1.2 to Appendix B (North Bend Road Use Agreement) before Construction (Segments)

Any Updates as per section 1.2 to Appendix B (North Bend Road Use Agreement) during Construction (Segments)

Any Updates as per Section 1.2 to Appendix F (North Bend Road Use Agreement) before Construction (Electrical)

Any Updates as per Section 1.2 to Appendix F (North Bend Road Use Agreement) during Construction (Electrical)