



Department of Transportation  
Division of Secretariat  
Office of Air, Rail & Transit  
700 East Broadway Avenue  
Pierre, South Dakota 57501-2586  
OFFICE: 605/773-3574  
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TO: South Dakota Aeronautics Commission

FROM: Jack Dokken, Program Manager  
Office of Air, Rail & Transit

DATE: April 18, 2017

SUBJECT: Aeronautical Hazard Application

**Permit #'s 2017-680-688 Vermillion, SD**  
FAA Aeronautical Study 2017-AGL-680- 688-OE

The City of Vermillion will be constructing a new transmission line along 465<sup>th</sup> Ave utilizing 9 new steel structures approximately 2.75 miles north and east of the Vermillion airport.

FAA has determined:

- ◆ This proposal does not exceed FAA obstruction standards and would not be a hazard to air navigation.
- ◆ Aeronautical studies are not required to be marked or lighted.

The department is recommending Commission approval.

SD EForm - 0941 V2

APPLICATION FOR LOCATION OF AERONAUTICAL HAZARD

State Permit #:

South Dakota Aeronautics Commission
Becker-Hansen Building, 700 E Broadway Avenue
Pierre, South Dakota 57501-9989
Air, Rail and Transit (605)773-3574

2017-AGL-680-OE to
2017-AGL-688-OE

FAA Airspace #:

A. APPLICANT

Proponent:

Proponent's Representative:

Company: City of Vermillion
Address: 25 Center Street
Vermillion SD 57069
Phone: (605) 677-7084
Fax:
Attention: Shane Griese

Company: DGR Engineering
Address: 1302 South Union St
Rock Rapids IA 51246
Phone: (712) 472-2531
Fax: (712) 472-2710
Attention: Troy Metzger

B. TYPE OF STRUCTURE

Type:

- New Construction
Alteration
Existing

Work Schedule Dates:

Begin Date: 07/01/2017
End Date: 12/31/2017

Nature and Complete Description of Structure

(Type of material, obstruction lighting and painting and any special marking):

New steel structures (Str #'s 348, 1-31, Sub DE N, and Sub DE S) for a double circuit 115 kV electric transmission line that is being built to source the City's proposed NE Substation. No special lighting, painting, or markings are included.

C. LOCATION INFORMATION

Latitude: See attached

Longitude: See attached

Nearest City:

Vermillion

Dist & Direction to City: ~0.25 mile south to the City

Nearest Public Use Airport:

Location Description:

Airport/City: ,

Distance & Directions to Airport:

Harold Davidson Field; Airport is SW of Str's-see attached for distance.

The structures listed in the attached will be located in northeast of the City of Vermillion, along University Rd, 316th St, and 465th Ave - see attached map.

Height of Structure:

- a. Site Elev: ft. (MSL)..... See attached
b. Structure Height: ft. (AGL).. See attached
c. Overall Height: ft. (MSL)..... See attached

Nearest State Hwy & Distance to Hwy Centerline:

State Hwy 50 is approximately 2,400' from the closest structure.

THE UNDERSIGNED HEREBY AGREES TO SUCH FURTHER REQUIREMENTS AS THE STATE AERONAUTICS COMMISSION MAY PRESCRIBE RELATING TO MARKING, LIGHTING AND SAFETY TO THE FLYING PUBLIC AS MAY FROM TIME TO TIME BE ADOPTED BY THE COMMISSION FOR TOWERS 499' AND TALLER.

CERTIFICATION: I hereby certify that all of the above statements made by me are true, complete and correct to the best of my knowledge and belief.

Date:

Name and Title:

Signature:

1-13-17

Shane Griese
Utilities Manager

[Handwritten Signature]

Structure Number	Structure Name	Longitude (DMS)	Latitude (DMS)	Distance from runway edge (ft)	Closest Runway	Elevation		Structure Height	
						MSL (ft)	MSL (ft)	AGL (ft)	MSL (ft)
25	Transmission Pole	96d54'18.914"W	42d48'5.438"N	15,250	12/30	1224.50	1224.50	65.5	1290.00
26	Transmission Pole	96d54'18.915"W	42d48'2.327"N	14,980	12/30	1226.50	1226.50	65.5	1292.00
27	Transmission Pole	96d54'18.918"W	42d47'59.117"N	14,707	12/30	1226.20	1226.20	65.5	1291.70
28	Transmission Pole	96d54'18.92"W	42d47'55.949"N	14,444	12/30	1228.50	1228.50	65.5	1294.00
29	Transmission Pole	96d54'18.922"W	42d47'52.788"N	14,177	12/30	1230.30	1230.30	65.5	1295.80
30	Transmission Pole	96d54'19.045"W	42d47'49.64"N	13,917	12/30	1230.00	1230.00	71.0	1301.00
31	Transmission Pole	96d54'19.005"W	42d47'49.028"N	13,857	12/30	1230.30	1230.30	71.0	1301.30
Sub DE South	Transmission Pole	96d54'21.195"W	42d47'49.031"N	13,753	12/30	1231.00	1231.00	51.0	1282.00
Sub DE North	Transmission Pole	96d54'21.193"W	42d47'49.643"N	13,808	12/30	1231.00	1231.00	51.0	1282.00

