

Department of Transportation
 Division of Secretariat
 Office of Air, Rail & Transit
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 Pierre, South Dakota 57501-2586
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TO: South Dakota Aeronautics Commission

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

DATE: May 16, 2018

SUBJECT: Financial Assistance Agreements

The Office of Aeronautics is requesting funding from the State Aeronautics Fund for the AIP projects below.

Eureka 3-46-0079-009-2018

Design and construction of a new tilt-down beacon pole.

Federal Share	\$ 64,800.00
State Share	\$ 3,600.00
Local Share	\$ 3,600.00
 Total	 \$ 72,000.00

The Department recommends approval of state assistance in the amount of \$3,600.00.

**TILT DOWN BEACON POLE
EUREKA MUNICIPAL AIRPORT
EUREKA, SOUTH DAKOTA**

PROJECT JUSTIFICATION

The existing pole is over 20 years old and has not been previously funded by the FAA. The pole has signs of deterioration and rotting. See attached photos. The pole was inspected from 0 to 6 feet with a hammer to sound the pole structurally. There were many areas that had dull soundings, indicating internal rotting.


The existing pole does not have a tilt down mechanism. When maintenance is needed, special equipment is needed to be able to access the existing pole. The new pole with a tilt down mechanism will save the airport time and money when maintenance is needed.







Surveyed By: _____ Date: _____
 Drawn By: BA Date: 11/2017
 Checked By: _____ Date: _____
 Project Number: P17-00-114


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Project Location
 Tilt Down Beacon Pole
 Eureka Municipal Airport
 City of Eureka
 Eureka, South Dakota

1
Sheet Number



QUOTE TABULATION
Tilt Down Beacon Pole
Eureka Municipal Airport
Eureka, SD
P17-00-114

Bids Opened Friday, April 6, 2018 @ 5:00 pm CT

Base Bid				<i>Efraimson Electric Bryant, SD</i>	<i>Muth Electric Mitchell, SD</i>		<i>Edling Electric Bismarck, ND</i>		<i>Strata Corporation Grand Forks, ND</i>		<i>ENGINEER ESTIMATE</i>		
Item No.	ITEM	UNIT	Quantity	NON RESPONSIVE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	
1	Beacon Tower and Foundation	LS	1			\$44,313.00	\$44,313.00	\$54,700.00	\$54,700.00	\$58,200.00	\$58,200.00	\$45,000.00	\$45,000.00
TOTAL BASE BID							\$ 44,313.00		\$ 54,700.00		\$58,200.00		\$45,000.00

Opinion of Probable Project Costs
Tilt Down Beacon Pole
Eureka Municipal Airport
Eureka, North Dakota
J16-00-115
October 2017

ITEM NO.	ITEM	UNIT	NO. OF UNITS	UNIT PRICE L & M	EXTENDED PRICE L & M
Base Bid					
1	Beacon w/Tilt Down Pole	LS	1	\$45,000.00	\$45,000.00
SUBTOTAL CONSTRUCTION					\$45,000.00
Other Costs					
	Basic Engineering Services - All Phases				\$17,500.00
	Construction Engineering Services				\$5,500.00
	Legal & Administrative				\$4,000.00
SUBTOTAL OTHER COSTS					\$27,000.00
TOTAL OPINION OF PROBABLE PROJECT COST					\$72,000.00