



Division of Finance & Management

Office of Air, Rail & Transit
700 East Broadway Avenue
Pierre, SD 57501
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dot.sd.gov

TO: South Dakota Aeronautics Commission
FROM: Jack Dokken, Office of Aeronautics
DATE: October 13, 2021
SUBJECT: City of Kadoka Financial Assistance Request

The City of Kadoka requests funding from the Aeronautics Commission for two projects to improve the Kadoka Municipal Airport. The total project costs are:

10' chain link wildlife perimeter fence:	\$125,000
Airport lighting system including beacon, windcone, MIRL edge lights:	<u>\$318,000</u>
	\$443,000

The City of Kadoka is requesting 50% of the project costs - \$221,500.

Fencing Improvements

Kadoka Municipal Airport
Kadoka, South Dakota

Helms
& ASSOCIATES
CIVIL ENGINEERS & LAND SURVEYORS

—○— 4-Strand Barbed Wire
—□— 10' Chain Link



1000 ft

Google Earth

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CITY OF KADOKA
"Gateway to the Badlands"
PO BOX 58
KADOKA, SD 57543
(605) 837-2229

October 11, 2021

South Dakota Department of Transportation
Aeronautics Commission
700 East Broadway Avenue
Pierre, SD 57501

Re: Fence Improvements Funding Request
Kadoka Municipal Airport
Kadoka, South Dakota

Dear Commissioners,

I am writing on behalf of the City of Kadoka, to request funding for replacing the perimeter fencing at the Kadoka Municipal Airport. This project includes replacing the north perimeter fence with 10' Chain Link in order to keep Foreign Object Debris (FOD) from blowing onto the airport from the landfill. The estimated cost of this project is \$125,000 (see attached Engineer's Estimate). The City of Kadoka is making any and all efforts to maintain the safety and security of the airport; however, we are not part of the National Plan of Integrated Airport Systems (NPIAS) and we do not receive any federal funding for infrastructure improvements. With that being said, we are respectfully requesting the commission for funds to cover 50% of the project. With the current supply conditions around the country, this estimate is subject to change and we would like to move forward as soon as possible.

If you have any questions, comments, or need any additional information regarding this matter, please contact the City of Kadoka at (605) 837-2229. We appreciate your time and consideration for this funding request.

Sincerely,
City of Kadoka



Harry Weller, Mayor

w/Enclosures

**Fence Improvements
Kadoka Municipal Airport
Kadoka, South Dakota
Engineer's Estimate
October, 2021**

Base Bid

Item #	Item Description	Quantity	Unit	Unit Price	Total Cost
1	Mobilization	1	L.S.	\$8,600.00	\$8,600.00
2	10' Chain Link Fence	800	Ft	\$51.00	\$40,800.00
3	4-Strand Barbed Wire Fence	9,180	Ft	\$3.00	\$27,540.00
4	20' Steel Tube Swing Gate	2	Each	\$500.00	\$1,000.00
5	4' Steel Tube Swing Gate	2	Each	\$200.00	\$400.00
6	Remove and Dispose of Barbed Wire Fence	9,980	Ft	\$1.50	\$14,970.00
7	Remove and Dispose of Gates	4	Each	\$100.00	\$400.00
Estimated Base Bid Total				\$93,710.00	

Design Engineering	\$8,500.00
Bidding & Negotiations	\$2,000.00
Construction Administration	\$5,500.00
Construction Engineering	\$5,500.00
Estimated Administration (±10% Construction Costs)	\$9,790.00
Total Estimated Project Cost	\$125,000.00

*Does not include "Legal Survey" (can be completed on an hourly rate basis)

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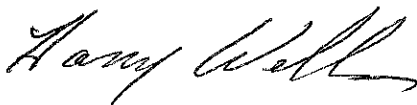
Re: Lighting Improvements Funding Request
Kadoka Municipal Airport
Kadoka, South Dakota

Dear Commissioners,

I am writing on behalf of the City of Kadoka, to request funding for replacing the Runway/Taxiway lighting for Runway 12/30 at the Kadoka Municipal Airport. This project also includes replacing the lighted wind cone and beacon. The estimated cost of this project is \$318,000 (see attached Engineer's Estimate). The City of Kadoka is making any and all efforts to maintain the safety and security of the airport; however, we are not part of the National Plan of Integrated Airport Systems (NPIAS) and we do not receive any federal funding for infrastructure improvements. With that being said, we are respectfully requesting the commission for funds to cover 50% of the project. With the current supply conditions around the country, this estimate is subject to change and we would like to move forward as soon as possible.

If you have any questions, comments, or need any additional information regarding this matter, please contact the City of Kadoka at (605) 837-2229. We appreciate your time and consideration for this funding request.

Sincerely,
City of Kadoka



Harry Weller, Mayor
w/Enclosures

**Lighting Improvements
Kadoka Municipal Airport
Kadoka, South Dakota
Engineer's Estimate
October, 2021**

Base Bid

Item #	Item Description	Quantity	Unit	Unit Price	Total Cost
1	Site Demolition, Electrical	1	L.S.	\$5,000.00	\$5,000.00
2	Mobilization	1	L.S.	\$15,000.00	\$15,000.00
3	Site Restoration	1	L.S.	\$8,000.00	\$8,000.00
4	L-807 LED, Primary WindCone & Footing	1	Each	\$10,000.00	\$10,000.00
5	L-801A LED, Airport Rotating Beacon	1	Each	\$12,500.00	\$12,500.00
6	Trenching and Backfilling for Duct	7,054	Ft	\$2.00	\$14,108.00
7	1/C #8 AWG, 5 kV, L-824, Type C Cable, Installed in Conduit	6,053	Ft	\$1.80	\$10,895.40
8	1/C Low-Voltage, L-824, Type C Cable, Installed in Conduit	2,418	Ft	\$1.50	\$3,627.00
9	1/C #6 AWG, 600V, L-824, Type C Cable, Installed in Conduit (GND)	1,209	Ft	\$1.50	\$1,813.50
10	#6 AWG, Solid, Bare Copper Counterpoise Wire, Installed in Trench or Plowed, Including Connections Terminations, and Ground Rods	6,471	Ft	\$2.25	\$14,559.75
11	Cable Markers	5	Each	\$250.00	\$1,250.00
12	Primary Power, Incoming	1	L.S.	\$5,000.00	\$5,000.00
13	L-828, Constant Current Regulator	1	Each	\$10,000.00	\$10,000.00
14	L-854 Radio Controls and Existing Vault Work	1	L.S.	\$5,000.00	\$5,000.00
15	Non-encased, Electrical Conduit, 2-inch, Sch. 40 PVC or HDPE	6,101	Ft	\$2.30	\$14,032.30
16	Non-encased, Electrical Conduit, 2-inch, Sch. 80 PVC or HDPE, Bored	381	Ft	\$18.00	\$6,858.00
17	L-867, Electrical Junction Box, L-867, Size B (12")	7	Each	\$800.00	\$5,600.00
18	L-861 LED, Medium Intensity Runway Threshold Light, Stake Mounted, Red/Green Lens, Complete	12	Each	\$650.00	\$7,800.00
19	L-861 LED, Medium Intensity Runway Edge Light, LED, Stake Mounted, White Lens, Complete	26	Each	\$650.00	\$16,900.00
20	L-861 LED, Medium Intensity Taxiway Light, LED, Stake Mounted, Blue Lens, Complete	10	Each	\$600.00	\$6,000.00
21	Airfield Marking Cone, Yellow, Complete	28	Each	\$250.00	\$7,000.00
22	Spare Parts	1	L.S.	\$2,556.05	\$2,556.05
Estimated Base Bid Total				\$183,500.00	

Alternate Bid 1

Item #	Item Description	Quantity	Unit	Unit Price	Total Cost
A1	Price Adjustment per each Medium Intensity Runway Threshold Light, LED, Base Mounted, Red/Green Lens, Complete	12	Each	\$500.00	\$6,000.00
A2	Price Adjustment per each Medium Intensity Runway Edge Light, LED, Base Mounted, White Lens, Complete	26	Each	\$500.00	\$13,000.00
A3	Price Adjustment per each Medium Intensity Taxiway Light, LED, Base Mounted, Blue Lens, Complete	10	Each	\$400.00	\$4,000.00
A4	Complete Installation of Vault Building Equipment (if new Vault by others)	1	L.S.	\$10,000.00	\$10,000.00
Estimated Alternate Bid 1 Total				\$33,000.00	

Design Engineering	\$30,000.00
Bidding & Negotiations	\$10,500.00
Construction Administration	\$20,500.00
Construction Engineering	\$18,500.00
Estimated Administration (±10% Construction Costs)	\$22,000.00
Total Estimated Project Cost	\$318,000.00