



City Council

Agenda Item

Subject: Approval of the Bid Award for the 2024 Airport Taxiway and Ag Area Improvements, Project No. 2227, to J & J Earth Works in the amount of \$2,612,651.10.

Meeting: City Council - Jun 17 2024

From: Amanda Mack, City Manager

BACKGROUND INFORMATION:

On May 16, 2024, two (2) bids were received for the 2024 Airport Taxiway and Ag Area Improvements, Project No. 2227. J & J Earth Works, Inc. of Milbank, SD had the lowest bid of \$2,612,651.10, which was 20% lower than the Engineer's Estimate of \$3,260,000.00.

This project includes the construction of the partial parallel taxiway, and hangar taxi lanes for the ag spray area identified on the Airport Improvement Plan (AIP). This work includes grading, geotextile separator fabric, subbase course, aggregate base course, asphalt pavement, underdrain piping, storm sewer piping, pavement marking, topsoiling, seeding, mulching, sanitary sewer, water main, electrical duct and conductors, medium-intensity taxiway lighting, airfield signage, and other related construction items.

FINANCIAL CONSIDERATIONS:

The funding for this project for City share has been budgeted in account 606-43503-43905. The remainder comes from the AIP 3-46-0058-045-2024 FAA grant.

The fee is eligible under the Airport Improvement Program (AIP) & Bipartisan Infrastructure Law (BIL) Grants (90% Federal, 5% State, 5% City). The estimated local share is \$432,031.10, which includes \$297,112.00 for utilities that are not eligible for FAA funding. The utilities cost (Bid Schedules D and E) is expected to be recovered through a cost recovery model.

OVERSIGHT / PROJECT RESPONSIBILITY:

Heath VonEye, acting Airport Manager and Asst. City Manager/Public Works Director
Justin Petersen, City Engineer

STAFF RECOMMENDATION / SUGGESTED MOTION:

Staff recommends approval of this bid award through the following motion:

I move to approve a bid award for the 2024 Airport Taxiway and Ag Area Improvements, Project No. 2227 to J & J Earth Works Inc., in the amount of \$2,612,651.10.

ATTACHMENT(S):

[Watertown Taxiway and Ag Area Improvement \(Bid Tabulation\)](#)

[Watertown Taxiway and Ag Area Improvements Funding Estimate](#)

**TAXIWAY AND AG AREA IMPROVEMENTS
WATERTOWN REGIONAL AIRPORT
WATERTOWN, SOUTH DAKOTA
AIP #3-46-0058-045-2024
A-8836
BID TABULATION
5/16/2024**

Bid Schedule A - Taxiway and Ag Area Grading					J & J Earth Works, Inc. Milbank, SD		Duininck, Inc. Prinsburg, MN	
Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price
A1	GP-105	Mobilization	1	L.S.	\$140,000.00	\$140,000.00	\$175,000.00	\$175,000.00
A2	S-100	Construction Safety Phasing Plan	1	L.S.	\$75,000.00	\$75,000.00	\$35,000.00	\$35,000.00
A3	P-101	Asphalt Pavement Removal (4" Nominal Depth)	86	SqYd	\$12.00	\$1,032.00	\$20.00	\$1,720.00
A4	P-101	Cold Milling (2" Nominal Depth)	88	SqYd	\$16.00	\$1,408.00	\$20.00	\$1,760.00
A5	P-152	Unclassified Excavation	29,334	CuYd	\$6.35	\$186,270.90	\$10.00	\$293,340.00
A6	P-152	Borrow Excavation	3,596	CuYd	\$11.75	\$42,253.00	\$15.00	\$53,940.00
A7	P-154	Subbase Course	11,751	CuYd	\$36.00	\$423,036.00	\$38.00	\$446,538.00
A8	P-154	Geotextile Separator Fabric	17,995	SqYd	\$2.65	\$47,686.75	\$4.00	\$71,980.00
A9	P-154	Geogrid	5,000	SqYd	\$4.25	\$21,250.00	\$4.50	\$22,500.00
A10	P-208	Aggregate Base Course	2,804	CuYd	\$42.00	\$117,768.00	\$53.00	\$148,612.00
A11	P-620	Runway & Taxiway Painting	1	L.S.	\$38,000.00	\$38,000.00	\$40,000.00	\$40,000.00
A12	F-162	10' Chain Link Fence	510	Ft	\$71.00	\$36,210.00	\$70.00	\$35,700.00
A13	F-162	20' Chain Link Cantilever Roll Gate	1	Each	\$18,000.00	\$18,000.00	\$5,500.00	\$5,500.00
A14	F-162	4' Chain Link Walk Gate	1	Each	\$2,500.00	\$2,500.00	\$1,500.00	\$1,500.00
A15	D-701	18" RCP (Class III)	368	Ft	\$82.00	\$30,176.00	\$95.00	\$34,960.00
A16	D-701	18" RCP Flared End (Class III)	6	Each	\$1,050.00	\$6,300.00	\$1,200.00	\$7,200.00
A17	D-705	4" Perforated Underdrain Pipe	6,905	Ft	\$12.85	\$88,729.25	\$16.50	\$113,932.50
A18	D-705	Underdrain Cleanout	24	Each	\$775.00	\$18,600.00	\$250.00	\$6,000.00
A19	D-705	Connect Underdrain Pipe to RCP	11	Each	\$875.00	\$9,625.00	\$950.00	\$10,450.00
A20	T-901	Seeding and Fertilizing	12.0	Acre	\$1,450.00	\$17,400.00	\$1,250.00	\$15,000.00
A21	T-905	Topsoil (Removed from Stockpile)	7,925	CuYd	\$7.50	\$59,437.50	\$3.50	\$27,737.50
A22	T-908	Mulching	58,080	SqYd	\$0.75	\$43,560.00	\$0.65	\$37,752.00
A23	TL-100	Field Laboratory, Type I	1	Each	\$2,500.00	\$2,500.00	\$17,500.00	\$17,500.00
A24	Plans	Remove and Dispose of 10' Chain Link Fence	288	Ft	\$18.00	\$5,184.00	\$17.00	\$4,896.00
A25	Plans	Culvert Protection	4	Each	\$250.00	\$1,000.00	\$150.00	\$600.00
Total Bid Schedule A					\$1,432,926.40		\$1,609,118.00	

TAXIWAY AND AG AREA IMPROVEMENTS
WATERTOWN REGIONAL AIRPORT
WATERTOWN, SOUTH DAKOTA
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5/16/2024

Bid Schedule B - Taxiway and Ag Area Surfacing					J & J Earth Works, Inc.		Duininck, Inc.	
					Milbank, SD		Prinsburg, MN	
Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price
B1	GP-105	Mobilization	1	L.S.	\$70,000.00	\$70,000.00	\$25,000.00	\$25,000.00
B2	C-100	Contractor Quality Control Plan	1	L.S.	\$77,000.00	\$77,000.00	\$25,000.00	\$25,000.00
B3	P-401	Asphalt Base / Surface Course	3,490.0	Ton	\$82.00	\$286,180.00	\$119.36	\$416,566.40
B4	P-401	Asphalt Binder (PG 64-34)	228.0	Ton	\$1,100.00	\$250,800.00	\$670.74	\$152,928.72
B5	P-602	Emulsified Asphalt Prime Coat	21.0	Ton	\$1,100.00	\$23,100.00	\$1,651.29	\$34,677.09
B6	P-603	Emulsified Asphalt Tack Coat	7.0	Ton	\$1,100.00	\$7,700.00	\$809.37	\$5,665.59
Total Bid Schedule B					\$714,780.00		\$659,837.80	

**TAXIWAY AND AG AREA IMPROVEMENTS
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WATERTOWN, SOUTH DAKOTA
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5/16/2024**

Bid Schedule C - Taxiway and Ag Area Electrical					J & J Earth Works, Inc. Milbank, SD		Duininck, Inc. Prinsburg, MN	
Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price
C1	GP-105	Mobilization	1	L.S.	\$16,000.00	\$16,000.00	\$25,000.00	\$25,000.00
C2	01 51 26	Temporary Phasing Work, Electrical	1	L.S.	\$8,600.00	\$8,600.00	\$600.00	\$600.00
C3	26 05 05	Demolition Work, Electrical	1	L.S.	\$2,000.00	\$2,000.00	\$1,200.00	\$1,200.00
C4	L-108	1/C No. 8 AWG, 5kV, L-824, Type C Cable, Installed in Conduit	2,224	Ft	\$1.80	\$4,003.20	\$2.00	\$4,448.00
C5	L-108	1/C No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Including Trenching or Plowing, Including Ground Rods & Connections & Terminations	521	Ft	\$7.00	\$3,647.00	\$7.00	\$3,647.00
C6	L-110	Remove & Dispose of Existing Conduit	613	Ft	\$4.00	\$2,452.00	\$4.00	\$2,452.00
C7	L-110	Remove & Salvage Cable	919	Ft	\$0.50	\$459.50	\$0.50	\$459.50
C8	L-110	Trenching & Backfilling or Plowing for Conduit	1,636	Ft	\$5.35	\$8,752.60	\$6.00	\$9,816.00
C9	L-110	Non-Encased, Electrical Conduit, 1-Way, 2-Inch, Type I, Sch. 40 PVC in Trench or SDR 13 HDPE Plowed	1,227	Ft	\$4.20	\$5,153.40	\$4.00	\$4,908.00
C10	L-110	Sand-Encased, Electrical Conduit, 2-Way, 2-Inch, Type III, Sch. 80 PVC in Trench	409	Ft	\$6.00	\$2,454.00	\$6.00	\$2,454.00
C11	L-110	Cable Markers	18	Each	\$95.00	\$1,710.00	\$100.00	\$1,800.00
C12	L-125	Remove & Salvage for Reinstallation Existing L-861T LED Medium Intensity Taxiway Light, & Base Can	4	Each	\$230.00	\$920.00	\$200.00	\$800.00
C13	L-125	Reinstall L-861T, LED, Medium Intensity Taxiway Light & Base Can	4	Each	\$925.00	\$3,700.00	\$825.00	\$3,300.00
C14	L-125	L-861T, 30-Inch Elevated, Mode 1, LED, Medium Intensity Taxiway Light, Blue, Including Base Can	24	Each	\$1,730.00	\$41,520.00	\$1,600.00	\$38,400.00
C15	L-125	L-853, Type II, Style I, Retroreflective Marker	95	Each	\$243.00	\$23,085.00	\$235.00	\$22,325.00
C16	L-125	L-858L/R Location/Mandatory Lighted Airfield Sign, LED, Size 2, Style 2, Class 2, Mode 2, 2-Module, Including Site Pad & Junction Box	1	Each	\$5,600.00	\$5,600.00	\$5,000.00	\$5,000.00
C17	L-125	L-858Y Directional Lighted Airfield Sign, LED, Size 2, Style 2, Class 2, Mode 2, 2-Module, Including Site Pad & Junction Box	1	Each	\$5,450.00	\$5,450.00	\$4,900.00	\$4,900.00
C18	L-125	L-858Y/L Directional/Location Lighted Airfield Sign, LED, Size 2, Style 2, Class 2, Mode 2, 2-Module, Including Site Pad & Junction Box	2	Each	\$5,700.00	\$11,400.00	\$5,200.00	\$10,400.00
C19	L-125	L-858Y/L Directional/Location Lighted Airfield Sign, LED, Size 2, Style 2, Class 2, Mode 2, 3 Module, Including Site Pad & Junction Box	1	Each	\$6,200.00	\$6,200.00	\$5,400.00	\$5,400.00
C20	L-125	L-858Y/L Directional/Location Unlighted Airfield Sign, Size 2, Style 4, Mode 1, 4 Module, Including Site Pad	2	Each	\$3,400.00	\$6,800.00	\$3,100.00	\$6,200.00
C21	L-125	L-858Y Directional Unlighted Airfield Sign, Size 2, Style 4, Mode 1, 2 Module, Including Site Pad	2	Each	\$2,350.00	\$4,700.00	\$2,200.00	\$4,400.00
C22	L-125	Spare Parts	1	L.S.	\$3,200.00	\$3,200.00	\$2,600.00	\$2,600.00
Total Bid Schedule C					\$167,806.70		\$160,509.50	

**TAXIWAY AND AG AREA IMPROVEMENTS
WATERTOWN REGIONAL AIRPORT
WATERTOWN, SOUTH DAKOTA
AIP #3-46-0058-045-2024
A-8836
BID TABULATION
5/16/2024**

Bid Schedule D - Water Improvements					J & J Earth Works, Inc. Milbank, SD		Duininck, Inc. Prinsburg, MN	
Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price
D1	GP-105	Mobilization	1	L.S.	\$7,500.00	\$7,500.00	\$10,000.00	\$10,000.00
D2	SP-33 11 00	6" Watermain	552	Ft	\$74.00	\$40,848.00	\$75.00	\$41,400.00
D3	SP-33 11 00	6" PVC Hydrant Lead	9	Ft	\$90.00	\$810.00	\$115.00	\$1,035.00
D4	SP-33 11 00	Connect to Existing Watermain	1	Each	\$3,200.00	\$3,200.00	\$1,600.00	\$1,600.00
D5	SP-33 12 13	1-1/2" Service Pipe	80	Ft	\$56.00	\$4,480.00	\$60.00	\$4,800.00
D6	SP-33 12 13	6" Saddle w/ 1-1/2" Corp	4	Each	\$650.00	\$2,600.00	\$950.00	\$3,800.00
D7	SP-33 12 13	1-1/2" Curb Stop w/ Box	4	Each	\$775.00	\$3,100.00	\$850.00	\$3,400.00
D8	SP-33 12 16	6" MJ Gate Valve w/ Box	2	Each	\$2,800.00	\$5,600.00	\$2,875.00	\$5,750.00
D9	SP-33 12 19	Fire Hydrant	1	Each	\$6,950.00	\$6,950.00	\$7,750.00	\$7,750.00
D10	SP-33 05 19	6" MJ DI Tee	2	Each	\$1,050.00	\$2,100.00	\$1,500.00	\$3,000.00
D11	SP-33 05 19	6" 90° MJ DI Bend	1	Each	\$760.00	\$760.00	\$1,100.00	\$1,100.00
D12	SP-33 05 19	6" Cap	1	Each	\$450.00	\$450.00	\$575.00	\$575.00
Total Bid Schedule D					\$78,398.00		\$84,210.00	

Bid Schedule E - Sewer Improvements					J & J Earth Works, Inc. Milbank, SD		Duininck, Inc. Prinsburg, MN	
Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price
E1	GP-105	Mobilization	1	L.S.	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00
E2	SP-33 31 00	8" Sewermain	1,860	Ft	\$84.00	\$156,240.00	\$75.00	\$139,500.00
E3	SP-33 39 13	48" Sanitary Sewer Manhole	5	Each	\$7,200.00	\$36,000.00	\$6,750.00	\$33,750.00
E4	SP-33 39 13	Connect to Existing Manhole	1	Each	\$6,500.00	\$6,500.00	\$1,850.00	\$1,850.00
Total Bid Schedule E					\$218,740.00		\$190,100.00	

Total Bid Schedule A, Bid Schedule B, Bid Schedule C, Bid Schedule D, and Bid Schedule E	\$2,612,651.10	\$2,703,775.30
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I HEREBY CERTIFY THAT THE FOREGOING IS AN ACCURATE REPRESENTATION AND TABULATION OF ALL BIDS RECEIVED AND THAT THE MATHEMATICS HAVE BEEN CHECKED AND IS TO THE BEST OF MY KNOWLEDGE CORRECT:

PROJECT ENGINEER: Michael A. Schmitz DATE: 5-16-2024

**TAXIWAY AND AG AREA IMPROVEMENTS
WATERTOWN REGIONAL AIRPORT
WATERTOWN, SOUTH DAKOTA
AIP #3-46-0058-045-2024
HELMS #A-8836
REVISED ENGINEER'S ESTIMATE
MAY, 2024**

Bid Schedule A - Taxiway and Ag Area Grading

Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Price
A1	GP-105	Mobilization	1	L.S.	\$140,000.00	\$140,000.00
A2	S-100	Construction Safety Phasing Plan	1	L.S.	\$75,000.00	\$75,000.00
A3	P-101	Asphalt Pavement Removal (4" Nominal Depth)	86	SqYd	\$12.00	\$1,032.00
A4	P-101	Cold Milling (2" Nominal Depth)	88	SqYd	\$16.00	\$1,408.00
A5	P-152	Unclassified Excavation	29,334	CuYd	\$6.35	\$186,270.90
A6	P-152	Borrow Excavation	3,596	CuYd	\$11.75	\$42,253.00
A7	P-154	Subbase Course	11,751	CuYd	\$36.00	\$423,036.00
A8	P-154	Geotextile Separator Fabric	17,995	SqYd	\$2.65	\$47,686.75
A9	P-154	Geogrid	5,000	SqYd	\$4.25	\$21,250.00
A10	P-208	Aggregate Base Course	2,804	CuYd	\$42.00	\$117,768.00
A11	P-620	Runway & Taxiway Painting	1	L.S.	\$38,000.00	\$38,000.00
A12	F-162	10' Chain Link Fence	510	Ft	\$71.00	\$36,210.00
A13	F-162	20' Chain Link Cantilever Roll Gate	1	Each	\$18,000.00	\$18,000.00
A14	F-162	4' Chain Link Walk Gate	1	Each	\$2,500.00	\$2,500.00
A15	D-701	18" RCP (Class III)	368	Ft	\$82.00	\$30,176.00
A16	D-701	18" RCP Flared End (Class III)	6	Each	\$1,050.00	\$6,300.00
A17	D-705	4" Perforated Underdrain Pipe	6,905	Ft	\$12.85	\$88,729.25
A18	D-705	Underdrain Cleanout	24	Each	\$775.00	\$18,600.00
A19	D-705	Connect Underdrain Pipe to RCP	11	Each	\$875.00	\$9,625.00
A20	T-901	Seeding and Fertilizing	12.0	Acre	\$1,450.00	\$17,400.00
A21	T-905	Topsoil (Removed from Stockpile)	7,925	CuYd	\$7.50	\$59,437.50
A22	T-908	Mulching	58,080	SqYd	\$0.75	\$43,560.00
A23	TL-100	Field Laboratory, Type I	1	Each	\$2,500.00	\$2,500.00
A24	Plans	Remove and Dispose of 10' Chain Link Fence	288	Ft	\$18.00	\$5,184.00
A25	Plans	Culvert Protection	4	Each	\$250.00	\$1,000.00
Estimated Bid Schedule A Total					\$1,432,926.40	

Bid Schedule B - Taxiway and Ag Area Surfacing

Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Price
B1	GP-105	Mobilization	1	L.S.	\$70,000.00	\$70,000.00
B2	C-100	Contractor Quality Control Plan	1	L.S.	\$77,000.00	\$77,000.00
B3	P-401	Asphalt Base / Surface Course	3,490.0	Ton	\$82.00	\$286,180.00
B4	P-401	Asphalt Binder (PG 64-34)	228.0	Ton	\$1,100.00	\$250,800.00
B5	P-602	Emulsified Asphalt Prime Coat	21.0	Ton	\$1,100.00	\$23,100.00
B6	P-603	Emulsified Asphalt Tack Coat	7.0	Ton	\$1,100.00	\$7,700.00
Estimated Bid Schedule B Total					\$714,780.00	

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WATERTOWN, SOUTH DAKOTA
AIP #3-46-0058-045-2024
HELMS #A-8836
REVISED ENGINEER'S ESTIMATE
MAY, 2024**

Bid Schedule C - Taxiway and Ag Area Electrical

Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Price
C1	GP-105	Mobilization	1	L.S.	\$16,000.00	\$16,000.00
C2	01 51 26	Temporary Phasing Work, Electrical	1	L.S.	\$8,600.00	\$8,600.00
C3	26 05 05	Demolition Work, Electrical	1	L.S.	\$2,000.00	\$2,000.00
C4	L-108	1/C No. 8 AWG, 5kV, L-824, Type C Cable, Installed in Conduit	2,224	Ft	\$1.80	\$4,003.20
C5	L-108	1/C No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Including Trenching or Plowing, Including Ground Rods & Connections & Terminations	521	Ft	\$7.00	\$3,647.00
C6	L-110	Remove & Dispose of Existing Conduit	613	Ft	\$4.00	\$2,452.00
C7	L-110	Remove & Salvage Cable	919	Ft	\$0.50	\$459.50
C8	L-110	Trenching & Backfilling or Plowing for Conduit	1,636	Ft	\$5.35	\$8,752.60
C9	L-110	Non-Encased, Electrical Conduit, 1-Way, 2-Inch, Type I, Sch. 40 PVC in Trench or SDR 13 HDPE Plowed	1,227	Ft	\$4.20	\$5,153.40
C10	L-110	Sand-Encased, Electrical Conduit, 2-Way, 2-Inch, Type III, Sch. 80 PVC in Trench	409	Ft	\$6.00	\$2,454.00
C11	L-110	Cable Markers	18	Each	\$95.00	\$1,710.00
C12	L-125	Remove & Salvage for Reinstallation Existing L-861T LED Medium Intensity Taxiway Light, & Base Can	4	Each	\$230.00	\$920.00
C13	L-125	Reinstall L-861T, LED, Medium Intensity Taxiway Light & Base Can	4	Each	\$925.00	\$3,700.00
C14	L-125	L-861T, 30-Inch Elevated, Mode 1, LED, Medium Intensity Taxiway Light, Blue, Including Base Can	24	Each	\$1,730.00	\$41,520.00
C15	L-125	L-853, Type II, Style I, Retroreflective Marker	95	Each	\$243.00	\$23,085.00
C16	L-125	L-858L/R Location/Mandatory Lighted Airfield Sign, LED, Size 2, Style 2, Class 2, Mode 2, 2-Module, Including Site Pad & Junction Box	1	Each	\$5,600.00	\$5,600.00
C17	L-125	L-858Y Directional Lighted Airfield Sign, LED, Size 2, Style 2, Class 2, Mode 2, 2-Module, Including Site Pad & Junction Box	1	Each	\$5,450.00	\$5,450.00
C18	L-125	L-858Y/L Directional/Location Lighted Airfield Sign, LED, Size 2, Style 2, Class 2, Mode 2, 2-Module, Including Site Pad & Junction Box	2	Each	\$5,700.00	\$11,400.00
C19	L-125	L-858Y/L Directional/Location Lighted Airfield Sign, LED, Size 2, Style 2, Class 2, Mode 2, 3 Module, Including Site Pad & Junction Box	1	Each	\$6,200.00	\$6,200.00
C20	L-125	L-858Y/L Directional/Location Unlighted Airfield Sign, Size 2, Style 4, Mode 1, 4 Module, Including Site Pad	2	Each	\$3,400.00	\$6,800.00
C21	L-125	L-858Y Directional Unlighted Airfield Sign, Size 2, Style 4, Mode 1, 2 Module, Including Site Pad	2	Each	\$2,350.00	\$4,700.00
C22	L-125	Spare Parts	1	L.S.	\$3,200.00	\$3,200.00
Estimated Bid Schedule C Total						\$167,806.70

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HELMS #A-8836
REVISED ENGINEER'S ESTIMATE
MAY, 2024**

Bid Schedule D - Water Improvements

Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Price
D1	GP-105	Mobilization	1	L.S.	\$7,500.00	\$7,500.00
D2	SP-33 11 00	6" Watermain	552	Ft	\$74.00	\$40,848.00
D3	SP-33 11 00	6" PVC Hydrant Lead	9	Ft	\$90.00	\$810.00
D4	SP-33 11 00	Connect to Existing Watermain	1	Each	\$3,200.00	\$3,200.00
D5	SP-33 12 13	1-1/2" Service Pipe	80	Ft	\$56.00	\$4,480.00
D6	SP-33 12 13	6" Saddle w/ 1-1/2" Corp	4	Each	\$650.00	\$2,600.00
D7	SP-33 12 13	1-1/2" Curb Stop w/ Box	4	Each	\$775.00	\$3,100.00
D8	SP-33 12 16	6" MJ Gate Valve w/ Box	2	Each	\$2,800.00	\$5,600.00
D9	SP-33 12 19	Fire Hydrant	1	Each	\$6,950.00	\$6,950.00
D10	SP-33 05 19	6" MJ DI Tee	2	Each	\$1,050.00	\$2,100.00
D11	SP-33 05 19	6" 90° MJ DI Bend	1	Each	\$760.00	\$760.00
D12	SP-33 05 19	6" Cap	1	Each	\$450.00	\$450.00
Estimated Bid Schedule D Total						\$78,398.00

Bid Schedule E - Sewer Improvements

Item #	Spec #	Item Description	Quantity	Unit	Unit Price	Total Price
E1	GP-105	Mobilization	1	L.S.	\$20,000.00	\$20,000.00
E2	SP-33 31 00	8" Sewermain	1,860	Ft	\$84.00	\$156,240.00
E3	SP-33 39 13	48" Sanitary Sewer Manhole	5	Each	\$7,200.00	\$36,000.00
E4	SP-33 39 13	Connect to Existing Manhole	1	Each	\$6,500.00	\$6,500.00
Estimated Bid Schedule E Total						\$218,740.00

Bidding & Negotiations	\$10,681.26
Construction Administration	\$82,032.82
Construction Engineering	\$241,716.92
Independent Fee Evaluation	\$5,000.00
Estimated Asphalt Testing	\$20,000.00
Estimated Administration	\$22,917.90
Estimated Total Project Cost	\$2,995,000.00

*Bid Schedule D and Bid Schedule E are Ineligible and will be 100% Local Share

**TAXIWAY AND AG AREA IMPROVEMENTS
WATERTOWN REGIONAL AIRPORT
WATERTOWN, SOUTH DAKOTA
AIP #3-46-0058-045-2024
HELMS #A-8836
REVISED ENGINEER'S ESTIMATE
MAY, 2024**

2024 AIP Grant Summary

Bid Schedule A	\$1,432,926.40
Engineering (Bidding)	\$10,681.26
Estimated Asphalt Testing	\$20,000.00
Independent Fee Evaluation	\$5,000.00
Estimated Administration Costs	\$11,917.90
Total Project Cost	\$1,480,525.56
Federal Share	\$1,332,473.00
State Share	\$74,026.28
Local Share	\$74,026.28

2024 BIL Grant Summary

Bid Schedule B	\$714,780.00
Bid Schedule C	\$167,806.70
Engineering (Construction Administration, Construction Engineering)	\$323,749.74
Estimated Administration Costs	\$11,000.00
Total Project Cost	\$1,217,336.44
Federal Share	\$1,095,602.80
State Share	\$60,866.82
Local Share	\$60,866.82