



REQUEST TO EMERGENCY COMMISSION
SECRETARY OF STATE
(See SFN 02580)

Request #: 2127

Requestor Information

Department name: North Dakota Aeroanotics Commission
Department number: 412
Name of contact person: Kyle Wanner
Telephone number: (701) 328-9651

Purpose of Request

Is this request related to a state emergency? No
Purpose of request: Increase in line item spending authority

Line Item	Amount
Capital Assets	\$900,000

Funding Information

What is the source of funds for the requested increase? Federal
Is the funding source a pass-through from another agency? No
Will continued funding be required if Federal funds are no longer available? No
Does the request require a general fund match in this bienium? No
Will the request require general fund support in the next biennium? No

Background Information

Was any portion of the request presented during the previous legislative session? Yes
Provide explanation:
The ND Legislature appropriated \$2,250,000 for this project during the previous legislative session.

Is the request for a new program? No
Does the request require an FTE increase? No
Does the request conform with legislative intent? Yes
Provide explanation:
The additional funding within this request will supplement the funding that has already been approved by the legislature.

Other Information

Statutory provisions that relate to this request:
NDCC 2-05-22 provides statutory authority for the ND Aeronautics Commission to repair and maintain the International Peace Garden Airport.

Provide an explanation as to how the request supports state priorities, improves state efficiencies, and promotes effective state government:
As the owner and operator of the International Peace Garden Airport, the ND Aeronautics Commission is tasked with ensuring that the airport is maintained and safe for aircraft operations. It is also a National Plan of Integrated Systems (NPIAS) airport which makes it eligible to receive federal funding; thus, is also tied to federal grant assurances which obligates the state to ensure a safe facility. The airport is utilized for recreational/tourism opportunities as well as access to both U.S. and Canadian Customs at our border.



Provide any other relevant information:

The pavements at the International Peace Garden airport have reached the end of their usable lifespan. A rehabilitation project has been coordinated with the Federal Aviation Administration to occur in the summer of 2024 by utilizing funds from the FAA Airport Improvement Program and Bipartisan Infrastructure Law.

During the 2023 legislation session, the legislature had appropriated \$2,250,000 in the capital asset line item of the ND Aeronautics Commission for the rehabilitation of these airport pavements.

To proceed with the base bid (runway) and the project alternates (apron and access road pavements), the ND Aeronautics Commission requires an additional appropriation of \$900,000 for the capital asset line item.

- \$400,000 is requested as an increase in federal appropriation to accommodate the increase in federal funds anticipated on the project.
- \$500,000 is requested as an increase in special fund appropriation to accommodate the matching funds required.

Signature

I, the undersigned, have read this Request, know the contents, and believe the statements contained within to be true.

Kyle Wanner

05/22/2024

Sign Here

Date



May 22nd, 2024

Secretary of State
State of North Dakota
600 E Boulevard Ave Dept 108
Bismarck ND 58505-050

SUBJ: ND Aeronautics Commission Emergency Request

To the members of the State Emergency Commission,

The pavements at the International Peace Garden airport have reached the end of their usable lifespan. A rehabilitation project has been coordinated with the Federal Aviation Administration to occur in the summer of 2024 by utilizing funds from the FAA Airport Improvement Program and Bipartisan Infrastructure Law.

During the 2023 legislation session, the legislature had appropriated \$2,250,000 in the capital asset line item of the ND Aeronautics Commission for the rehabilitation of these airport pavements. The ND Aeronautics engineering team had originally estimated the budget for this project in the summer of 2022 and at that time; we did not anticipate experiencing such a large increase in construction costs. Additionally, as we moved into the design of the project and pavement cores were collected; the best rehabilitation solution was discovered to be a full depth reclamation instead of an anticipated mill and overlay. The FAA also desired to see additional dirt work completed to improve the runway safety area which also increased project costs.

On April 30th, 2024, the public project bid opening occurred, and three contractors provided project costs ranging from the low bidder at \$2,920,773 to the high bidder at \$4,274,330. These costs are for the preferred alternative of the base bid (runway) and alternate 1a (apron) and 2a (access road).

The low bid prime contractor was Mikkelsen Aggregates out of Bottineau, ND and has proposed \$2,920,773 for the full project which would provide a regrading of the runway safety area and a full depth reclamation of the runway, taxiway, apron, & access road pavements. Mayo Construction out of Cavalier, North Dakota would conduct the paving on the project and has experience paving airport projects. This bid slightly exceeds the final engineering estimate by 7%.

To proceed with the base bid (runway) and the project alternates (apron and access road pavements), the ND Aeronautics Commission requires an additional appropriation of \$900,000 for the capital asset line item.

- \$400,000 is requested as an increase in federal appropriation to accommodate the increase in federal funds anticipated on the project.
- \$500,000 is requested as an increase in special fund appropriation to accommodate the matching funds required for the federal project, assist with any potential change orders, and assist in completing the project in its entirety.

Fortunately, the Aeronautics Commission has available funds in its special fund account due to prudent fiscal management and higher-than-expected aircraft excise tax revenues over the past three years. The ND Aeronautics Commission also anticipates the availability of approximately \$2.6 million in federal funding for this project this year and recommends that the state take advantage of these grant opportunities to complete as much of the project as possible during one contractor mobilization.

At a public meeting on May 22nd, the ND Aeronautics Commission board reviewed the options on this project and voted unanimously to request this additional appropriation in order to be able to move forward with the project.

Failure to secure this additional state appropriation would necessitate rejecting the project bids, forfeiting the chance to access federal funds in FY2024. Consequently, we would need to request additional appropriation during the forthcoming legislative session and plan to rebid the project in FY2025 or FY2026. Furthermore, future federal funding opportunities may diminish as the funding for this project was scheduled for FY2024.

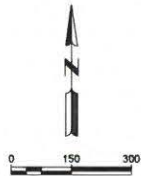
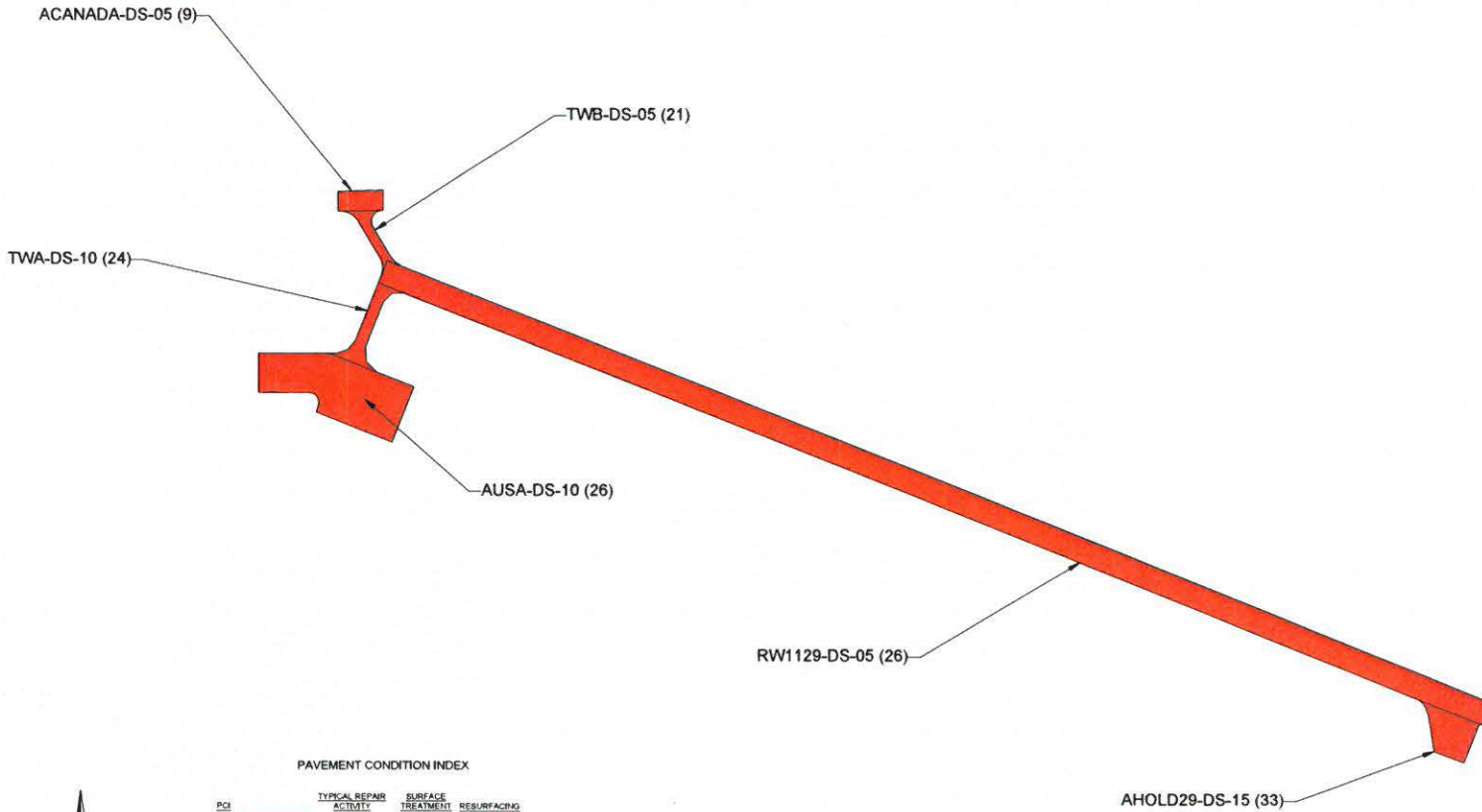
We fully appreciate your consideration of this request for an additional \$900,000 in appropriation within the capital assets line item for the ND Aeronautics Commission.

Sincerely,



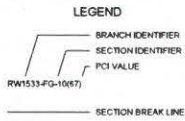
Kyle C. Wanner
Executive Director
ND Aeronautics Commission

X:\8557002017\011\TECH\A0224_FUTURE_PCI_MAP\FUTURE_PCI_MAP\FUTURE_PCI_MAP\INTERNATIONAL PEACE GARDEN 2024.DWG
3/14/2022 10:42:31 AM



PAVEMENT CONDITION INDEX

PCI	TYPICAL REPAIR ACTIVITY	SURFACE TREATMENTS	RESURFACING
85-100	PREVENTIVE MAINTENANCE	[Pattern: Green and white]	[Pattern: Green and white]
71-85	PREVENTIVE MAINTENANCE	[Pattern: Green and white]	[Pattern: Green and white]
56-70	MAJOR REHABILITATION	[Pattern: Yellow and white]	[Pattern: Yellow and white]
41-55	MAJOR REHABILITATION	[Pattern: Yellow and white]	[Pattern: Yellow and white]
0-40	RECONSTRUCTION	[Pattern: Red and white]	[Pattern: Red and white]



Mead & Hunt
600 S. 2nd Street,
Suite 120
Bismarck, ND 58504
phone: 701-566-6449
meadhunt.com



**NORTH DAKOTA STATE
AERONAUTICS COMMISSION
2024 FUTURE PROJECTED PAVEMENT INDEX**

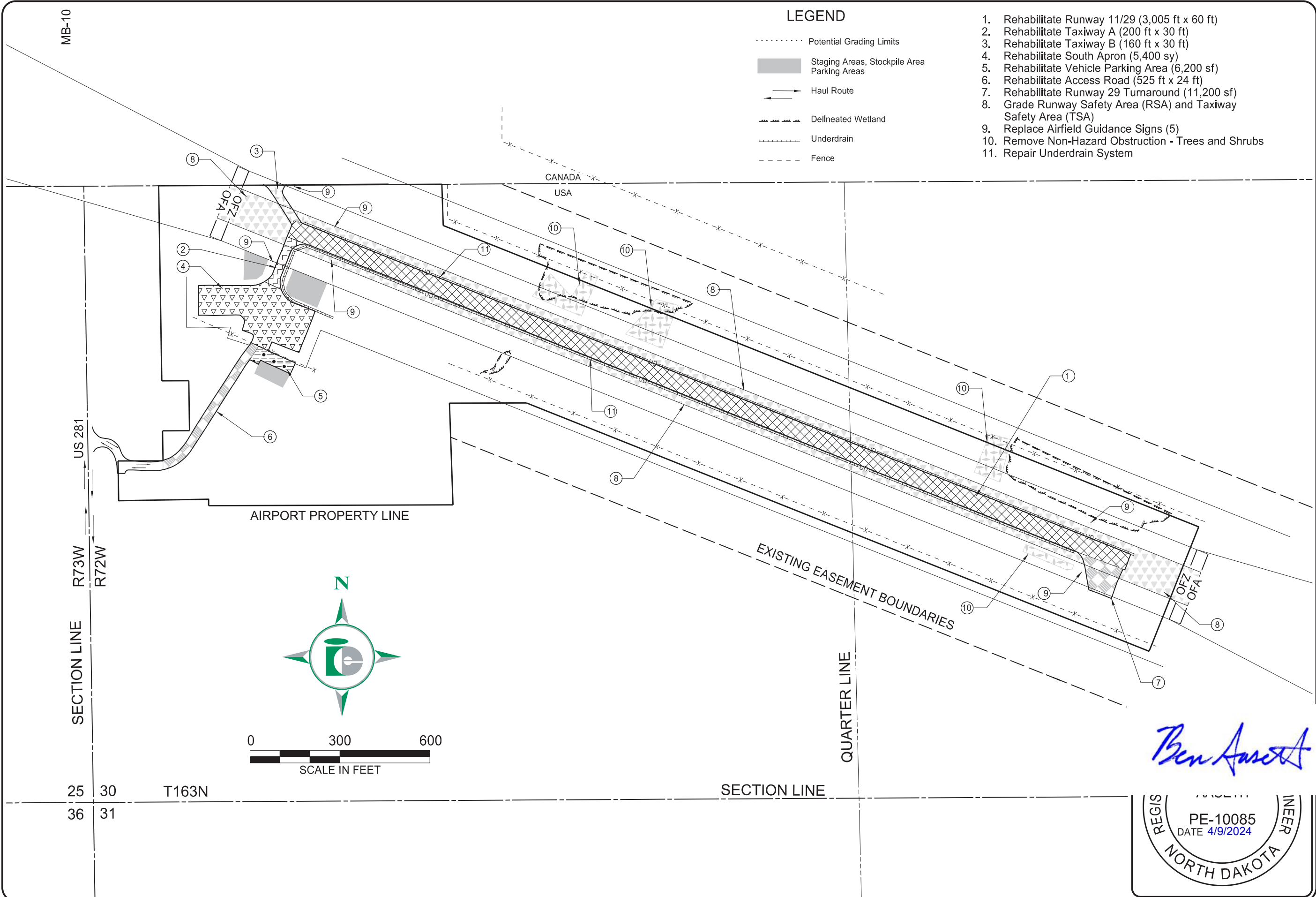
DATE: 2024

**DUNSEITH -
INTERNATIONAL
PEACE GARDEN
AIRPORT(S28)
2024 PCI
FEATURE MAP
DUNSEITH, NORTH
DAKOTA**

LEGEND

- Potential Grading Limits
- Staging Areas, Stockpile Area
Parking Areas
- Haul Route
- Delineated Wetland
- Underdrain
- - - Fence

1. Rehabilitate Runway 11/29 (3,005 ft x 60 ft)
2. Rehabilitate Taxiway A (200 ft x 30 ft)
3. Rehabilitate Taxiway B (160 ft x 30 ft)
4. Rehabilitate South Apron (5,400 sy)
5. Rehabilitate Vehicle Parking Area (6,200 sf)
6. Rehabilitate Access Road (525 ft x 24 ft)
7. Rehabilitate Runway 29 Turnaround (11,200 sf)
8. Grade Runway Safety Area (RSA) and Taxiway Safety Area (TSA)
9. Replace Airfield Guidance Signs (5)
10. Remove Non-Hazard Obstruction - Trees and Shrubs
11. Repair Underdrain System



Rev No	Date	By	Description

SCOPE OF WORK			
Drawn By:	BA	NC	Project No: EC22-00-133
Checked By:	AB	BA	Date: April, 2024

Interstate Engineering
 1903 12th Avenue SW
 P.O. Box 2035
 Jamestown, ND 58402
 (701) 252-0234
 www.interstateeng.com



Ben Ansett



SECTION	4
SHEET NO.	1



BID TABULATION
International Peace Garden Airport
Pavement Rehabilitation
EC22-00-133

April 30, 2024

Bids Opened Tuesday, April 30, 2024 @ 2:00 pm CT

Base Bid - General					<i>Mikkelsen Aggregates Bottineau, ND</i>		<i>Knife River Materials Bemidji, MN</i>		<i>Strata Corporation Grand Forks, ND</i>	
Item No.	Spec No.	ITEM	UNIT	Quantity	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
1	C-100	Contractor Quality Control Program	LS	1	\$120,000.00	\$120,000.00	\$20,000.00	\$20,000.00	\$74,500.00	\$74,500.00
2	C-102-5.1a	Temporary Seeding and Mulching	AC	11	\$3,500.00	\$38,500.00	\$2,200.00	\$24,200.00	\$2,420.00	\$26,620.00
3	C-102-5.1e	Installation and Removal of Silt Fence	LF	970	\$5.00	\$4,850.00	\$2.75	\$2,667.50	\$3.05	\$2,958.50
4	C-102-5.1f	12IN Fiber Roll	LF	7,500	\$5.00	\$37,500.00	\$2.55	\$19,125.00	\$2.80	\$21,000.00
5	C-102-5.1g	Removal of Fiber Roll	LF	2,980	\$0.60	\$1,788.00	\$0.40	\$1,192.00	\$0.45	\$1,341.00
6	C-102-5.1h	ECB - Type II	SY	510	\$5.00	\$2,550.00	\$3.20	\$1,632.00	\$3.55	\$1,810.50
7	C-105	Mobilization	LS	1	\$218,000.00	\$218,000.00	\$261,500.00	\$261,500.00	\$334,000.00	\$334,000.00
8	L-125-5.1	Remove and Replace Signs	EA	5	\$12,500.00	\$62,500.00	\$9,819.00	\$49,095.00	\$14,500.00	\$72,500.00
9	P-151-4.1	Clearing and Grubbing	LS	1	\$6,500.00	\$6,500.00	\$15,000.00	\$15,000.00	\$25,500.00	\$25,500.00
10	P-620-5.2a	Marking	SF	4,110	\$5.00	\$20,550.00	\$1.94	\$7,973.40	\$2.15	\$8,836.50
11	P-620-5.4b	Temporary Marking	SF	4,110	\$4.00	\$16,440.00	\$3.73	\$15,330.30	\$4.10	\$16,851.00
12	T-901-5.1	Seeding	AC	11	\$700.00	\$7,700.00	\$600.00	\$6,600.00	\$660.00	\$7,260.00
13	T-908-6.1	Hydraulic Mulch	AC	11	\$3,200.00	\$35,200.00	\$2,750.00	\$30,250.00	\$3,025.00	\$33,275.00
14	GSP-6	Airside Traffic Control	LS	1	\$13,500.00	\$13,500.00	\$4,350.00	\$4,350.00	\$28,500.00	\$28,500.00
15	GSP-19	Quality Assurance Material Testing	LS	1	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00
16	GSP-32	Underdrain Flushing	M Gal	16	\$500.00	\$8,000.00	\$250.00	\$4,000.00	\$850.00	\$13,600.00
TOTAL BASE BID - General						\$618,578.00		\$487,915.20		\$693,552.50



BID TABULATION
International Peace Garden Airport
Pavement Rehabilitation
EC22-00-133

April 30, 2024

Base Bid - Section 1					<i>Mikkelsen Aggregates Bottineau, ND</i>		<i>Knife River Materials Bemidji, MN</i>		<i>Strata Corporation Grand Forks, ND</i>	
Item No.	Spec No.	ITEM	UNIT	Quantity	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
1	P-152-4.1	Unclassified Excavation (P)	CY	1,993	\$25.00	\$49,825.00	\$25.00	\$49,825.00	\$35.00	\$69,755.00
2	P-152-4.2	Borrow Excavation	CY	8,797	\$45.00	\$395,865.00	\$35.00	\$307,895.00	\$44.00	\$387,068.00
3	P-152-4.3	Excavation - Undercutting	CY	1,005	\$25.00	\$25,125.00	\$25.00	\$25,125.00	\$22.00	\$22,110.00
4	SP-152	Remove and Relay Reclaimed Material	CY	600	\$42.00	\$25,200.00	\$30.00	\$18,000.00	\$42.00	\$25,200.00
5	P-154-5.1	Subbase Course	CY	1,005	\$65.00	\$65,325.00	\$75.00	\$75,375.00	\$120.00	\$120,600.00
6	P-154-5.2	Seperation Geotextile	SY	2,010	\$5.00	\$10,050.00	\$5.00	\$10,050.00	\$5.00	\$10,050.00
7	P-207-5.1	Full Depth Recycled (FDR)	SY	20,100	\$9.00	\$180,900.00	\$5.00	\$100,500.00	\$27.00	\$542,700.00
8	P-2070-5.2	Corrective Aggregate Material	Ton	280	\$45.00	\$12,600.00	\$55.00	\$15,400.00	\$48.00	\$13,440.00
9	P-403-8.1	Asphalt Surface Mixture Course	Ton	8,350	\$100.00	\$835,000.00	\$150.00	\$1,252,500.00	\$140.00	\$1,169,000.00
10	P-603-5.1	Emulsified Asphalt Tack Coat	Gal	6,029	\$3.30	\$19,895.70	\$3.00	\$18,087.00	\$5.00	\$30,145.00
11	T-905-5.1	Topsoil (Obtained on Site) (P)	CY	4,815	\$6.00	\$28,890.00	\$15.00	\$72,225.00	\$16.00	\$77,040.00
12	GSP-30	Adjust Cleanout	EA	17	\$350.00	\$5,950.00	\$350.00	\$5,950.00	\$1,200.00	\$20,400.00
13	GSP-31	Cleanout Cover	EA	8	\$650.00	\$5,200.00	\$350.00	\$2,800.00	\$1,000.00	\$8,000.00
TOTAL BASE BID - Section 1						\$1,659,825.70		\$1,953,732.00		\$2,495,508.00



BID TABULATION
International Peace Garden Airport
Pavement Rehabilitation
EC22-00-133

April 30, 2024

Base Bid - Section 2					<i>Mikkelsen Aggregates Bottineau, ND</i>		<i>Knife River Materials Bemidji, MN</i>		<i>Strata Corporation Grand Forks, ND</i>	
Item No.	Spec No.	ITEM	UNIT	Quantity	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
1	P-101-5.1	Pavement Removal	SY	468	\$35.00	\$16,380.00	\$25.00	\$11,700.00	\$40.00	\$18,720.00
2	P-101-5.2	Joint and Crack Repair	LF	800	\$12.00	\$9,600.00	\$7.00	\$5,600.00	\$12.00	\$9,600.00
3	P-101-5.4	Cold Milling	SY	782	\$10.00	\$7,820.00	\$10.00	\$7,820.00	\$15.00	\$11,730.00
4	P-152-4.1	Unclassified Excavation (P)	CY	167	\$25.00	\$4,175.00	\$25.00	\$4,175.00	\$50.00	\$8,350.00
5	P-154-5.1	Subbase Course	CY	106	\$65.00	\$6,890.00	\$75.00	\$7,950.00	\$140.00	\$14,840.00
6	P-403-8.1	Asphalt Surface Mixture Course	Ton	250	\$117.07	\$29,267.50	\$150.00	\$37,500.00	\$198.00	\$49,500.00
7	P-603-5.1	Emulsified Asphalt Tack Coat	Gal	115	\$4.40	\$506.00	\$3.00	\$345.00	\$5.00	\$575.00
8	P-610-6.1	Concrete Valley Gutter	SY	105	\$250.00	\$26,250.00	\$188.25	\$19,766.25	\$310.00	\$32,550.00
9	GSP-23-7	Major Crack Repair	LF	300	\$55.00	\$16,500.00	\$120.00	\$36,000.00	\$185.00	\$55,500.00
10	T-905-5.1	Topsoil (Obtained on Site) (P)	CY	94	\$15.00	\$1,410.00	\$15.00	\$1,410.00	\$31.00	\$2,914.00
TOTAL BASE BID - Section 2						\$118,798.50		\$132,266.25		\$204,279.00



BID TABULATION
International Peace Garden Airport
Pavement Rehabilitation
EC22-00-133

April 30, 2024

Base Bid - Section 3					<i>Mikkelsen Aggregates Bottineau, ND</i>	<i>Knife River Materials Bemidji, MN</i>	<i>Strata Corporation Grand Forks, ND</i>			
Item No.	Spec No.	ITEM	UNIT	Quantity	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
1	P-152-4.1	Unclassified Excavation (P)	CY	98	\$25.00	\$2,450.00	\$25.00	\$2,450.00	\$50.00	\$4,900.00
2	SP-152	Remove and Relay Reclaimed Material	CY	230	\$45.00	\$10,350.00	\$30.00	\$6,900.00	\$42.00	\$9,660.00
3	P-207-5.1	Full Depth Recycled (FDR)	SY	970	\$9.00	\$8,730.00	\$5.00	\$4,850.00	\$27.00	\$26,190.00
4	P-403-8.1	Asphalt Surface Mixture Course	Ton	405	\$117.07	\$47,413.35	\$150.00	\$60,750.00	\$198.00	\$80,190.00
5	P-603-5.1	Emulsified Asphalt Tack Coat	Gal	291	\$4.40	\$1,280.40	\$3.00	\$873.00	\$5.00	\$1,455.00
6	T-905-5.1	Topsoil (Obtained on Site) (P)	CY	67	\$9.00	\$603.00	\$15.00	\$1,005.00	\$31.00	\$2,077.00
TOTAL BASE BID - Section 3						\$70,826.75		\$76,828.00		\$124,472.00

Base Bid - Section 4					<i>Mikkelsen Aggregates Bottineau, ND</i>	<i>Knife River Materials Bemidji, MN</i>	<i>Strata Corporation Grand Forks, ND</i>			
Item No.	Spec No.	ITEM	UNIT	Quantity	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
1	P-101-5.4	Cold Milling	SY	465	\$9.00	\$4,185.00	\$10.00	\$4,650.00	\$15.00	\$6,975.00
2	P-403-8.1	Asphalt Surface Mixture Course	Ton	60	\$117.07	\$7,024.20	\$150.00	\$9,000.00	\$198.00	\$11,880.00
3	P-603-5.1	Emulsified Asphalt Tack Coat	Gal	50	\$4.40	\$220.00	\$3.00	\$150.00	\$5.00	\$250.00
4	T-905-5.1	Topsoil (Obtained on Site) (P)	CY	10	\$25.00	\$250.00	\$15.00	\$150.00	\$31.00	\$310.00
TOTAL BASE BID - Section 4						\$11,679.20		\$13,950.00		\$19,415.00

TOTAL BASE BID (General & Sections 1 - 4)	\$2,479,708.15	\$2,664,691.45	\$3,537,226.50
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BID TABULATION
International Peace Garden Airport
Pavement Rehabilitation
EC22-00-133

April 30, 2024

ALTERNATE #1a					<i>Mikkelsen Aggregates Bottineau, ND</i>		<i>Knife River Materials Bemidji, MN</i>		<i>Strata Corporation Grand Forks, ND</i>	
Item No.	Spec No.	ITEM	UNIT	Quantity	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
1	P-101-5.1	Pavement Removal	SY	162	\$9.00	\$1,458.00	\$25.00	\$4,050.00	\$40.00	\$6,480.00
2	P-101-5.4	Cold Milling	SY	545	\$12.00	\$6,540.00	\$10.00	\$5,450.00	\$13.00	\$7,085.00
3	P-152-4.1	Unclassified Excavation (P)	CY	97	\$25.00	\$2,425.00	\$25.00	\$2,425.00	\$50.00	\$4,850.00
4	P-152-4.2	Borrow Excavation	CY	426	\$42.00	\$17,892.00	\$35.00	\$14,910.00	\$44.00	\$18,744.00
7	P-207-5.1	Full Depth Recycled (FDR)	SY	4,790	\$9.00	\$43,110.00	\$5.00	\$23,950.00	\$27.00	\$129,330.00
8	P-403-8.1	Asphalt Surface Mixture Course	Ton	2,215	\$117.07	\$259,310.05	\$150.00	\$332,250.00	\$140.00	\$310,100.00
9	P-603-5.1	Emulsified Asphalt Tack Coat	Gal	1,440	\$4.40	\$6,336.00	\$3.00	\$4,320.00	\$5.00	\$7,200.00
10	T-905-5.1	Topsoil (Obtained on Site) (P)	CY	209	\$9.00	\$1,881.00	\$15.00	\$3,135.00	\$31.00	\$6,479.00
11	T-905-5.2	Topsoil (Furnished from off the Site)	CY	20	\$45.00	\$900.00	\$65.00	\$1,300.00	\$68.00	\$1,360.00
12	GSP-23-7	Major Crack Repair	LF	100	\$52.00	\$5,200.00	\$120.00	\$12,000.00	\$185.00	\$18,500.00
13	GSP-29	Aircraft Tie Down	EA	9	\$2,500.00	\$22,500.00	\$1,000.00	\$9,000.00	\$2,750.00	\$24,750.00
TOTAL ALTERNATE #1a						\$367,552.05		\$412,790.00		\$534,878.00

ALTERNATE #1b					<i>Mikkelsen Aggregates Bottineau, ND</i>		<i>Knife River Materials Bemidji, MN</i>		<i>Strata Corporation Grand Forks, ND</i>	
Item No.	Spec No.	ITEM	UNIT	Quantity	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
1	P-101-5.2	Joint and Crack Repair	LF	1,000	\$3.00	\$3,000.00	\$8.60	\$8,600.00	\$12.00	\$12,000.00
2	P-626-6.1	Emulsified Asphalt for Slurry Coat	SY	5,330	\$8.00	\$42,640.00	\$6.80	\$36,244.00	\$7.50	\$39,975.00
3	GSP-33	Large Crack Repairs - Mastic	LF	3,000	\$20.00	\$60,000.00	\$21.65	\$64,950.00	\$68.00	\$204,000.00
TOTAL ALTERNATE #1b						\$105,640.00		\$109,794.00		\$255,975.00



BID TABULATION
International Peace Garden Airport
Pavement Rehabilitation
EC22-00-133

April 30, 2024

ALTERNATE #2a					<i>Mikkelsen Aggregates Bottineau, ND</i>	<i>Knife River Materials Bemidji, MN</i>	<i>Strata Corporation Grand Forks, ND</i>			
Item No.	Spec No.	ITEM	UNIT	Quantity	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
1	P-101-5.2	Joint and Crack Repairs	LF	1,400	\$6.00	\$8,400.00	\$8.80	\$12,320.00	\$12.00	\$16,800.00
2	P-101-5.4	Cold Milling	SY	185	\$9.00	\$1,665.00	\$10.00	\$1,850.00	\$13.00	\$2,405.00
3	P-403-8.1	Asphalt Surface Mixture Course	Ton	265	\$117.07	\$31,023.55	\$150.00	\$39,750.00	\$198.00	\$52,470.00
4	P-603-5.1	Emulsified Asphalt Tack Coat	Gal	210	\$4.40	\$924.00	\$3.00	\$630.00	\$5.00	\$1,050.00
5	GSP-23-7	Major Crack Repairs	LF	700	\$45.00	\$31,500.00	\$120.00	\$84,000.00	\$185.00	\$129,500.00
TOTAL ALTERNATE #2a						\$73,512.55		\$138,550.00		\$202,225.00

ALTERNATE #2b					<i>Mikkelsen Aggregates Bottineau, ND</i>	<i>Knife River Materials Bemidji, MN</i>	<i>Strata Corporation Grand Forks, ND</i>			
Item No.	Spec No.	ITEM	UNIT	Quantity	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
1	P-101-5.2	Joint and Crack Repair	LF	1,400	\$3.00	\$4,200.00	\$8.80	\$12,320.00	\$12.00	\$16,800.00
2	P-626-6.1	Emulsified Asphalt for Slurry Coat	SY	2,100	\$8.00	\$16,800.00	\$6.80	\$14,280.00	\$7.50	\$15,750.00
3	GSP-23-7	Major Crack Repairs	LF	700	\$45.00	\$31,500.00	\$120.00	\$84,000.00	\$185.00	\$129,500.00
TOTAL ALTERNATE #2b						\$52,500.00		\$110,600.00		\$162,050.00

Sub total Alternates 1a + 2a	\$441,064.60		\$551,340.00	\$737,103.00
Sub total Alternates 1b + 2b	\$158,140.00		\$220,394.00	\$418,025.00

Total Base Bids + 1a + 2a	\$2,920,772.75	\$3,216,031.45	\$4,274,329.50
Total Base Bids + 1b + 2b	\$2,637,848.15	\$2,885,085.45	\$3,955,251.50

**PROJECT JUSTIFICATION / NARRATIVE
AIRPORT PAVEMENT REHABILITATION
INTERNATIONAL PEACE GARDEN AIRPORT
DUNSEITH, NORTH DAKOTA**

AIRPORT PAVEMENT REHABILITATION (CONSTRUCTION)

The project will rehabilitate Runway 11/29, Runway 29 turnaround, Taxiways A and B, south apron, vehicle parking area, and access road; replace airfield guidance signs; repair the underdrain system; remove non-hazard obstructions (trees and shrubs); and grade the Runway Safety Area (RSA) and Taxiway Safety Area (TSA).

The existing airfield pavement has the following PCI values as outlined in the 2021 North Dakota Aeronautics Commission PCI Study and rehabilitation is warranted:

- Runway 11/29 – 32
- Runway 29 Turnaround - 39
- Taxiway A – 31
- Taxiway B – 28
- Apron – 32

Rehabilitate Runway 11-29

Runway 11-29 was constructed in 1967 with overlays occurring in 1981 and 2006. Preventative maintenance practices such as surface treatments and crack sealing have been continuously performed to date. The 2023 NDAC predicted a PCI value of 28 for Runway 11-29. A PCI value of this nature is considered poor, reaching a point of unserviceability, and at a minimum, requires rehabilitation. This project will full depth reclaim the existing pavement section and pave new asphalt on top of that section. As a result, this project will increase safety for aircraft performing operations, increase pavement life and PCI values, and improve access to airport facilities.

Rehabilitate Runway 29 Turnaround

The Turnaround area was constructed in 1967 with overlays occurring in 1981 and 2006. Preventative maintenance practices such as surface treatments and crack sealing have been continuously performed to date. The 2023 NDAC predicted a PCI value of 36 for the turnaround. A PCI value of this nature is considered poor, reaching a point of unserviceability, and at a minimum, requires rehabilitation. Due to the nature of the project and limited funding this turnaround will make minor improvements and improve Safety Areas. As a result, this project will increase safety for aircraft performing operations on the runway and increase pavement life and PCI values.

Rehabilitate Taxiway A

Taxiway A was constructed in 1967 with overlays occurring in 1981 and 2006. Preventative maintenance practices such as surface treatments and crack sealing have been continuously performed to date. The 2023 NDAC predicted a PCI value of 27 for Taxiway A. A PCI value of this nature is considered poor, reaching a point of unserviceability, and at a minimum, requires rehabilitation. As a result, this project will increase safety for aircraft moving between the runway and apron and increase pavement life and PCI values.

Rehabilitate Taxiway B

Taxiway B was constructed in 1967 with overlays occurring in 1981 and 2006. Preventative maintenance practices such as surface treatments and crack sealing have been continuously performed to date. The 2023 NDAC predicted a PCI value of 24 for Taxiway B. A PCI value of this nature is considered poor, reaching a point of unserviceability, and at a minimum, requires rehabilitation. As a result, this project will increase safety for aircraft moving between the runway and Canadian apron and increase pavement life and PCI values.

Rehabilitate Southern Apron

The southern apron was constructed in 1967 with overlays occurring in 1981 and 2006. Preventative maintenance practices such as surface treatments and crack sealing have been continuously performed to date. The 2023 NDAC predicted a PCI value of 29 for the southern apron. A PCI value of this nature is considered poor, reaching a point of unserviceability, and at a minimum, requires rehabilitation. The existing southern apron will be rehabilitated in the same geometry as it is now. As a result, this project will increase safety for aircraft operating on the apron and increase pavement life and PCI values.

Rehabilitate Vehicle Parking Area

The parking area is not covered in the NDAC's PCI study, but rehabilitation is warranted as the pavement is weathered and cracked. As a result, this project will increase pavement life and maintain an accepted level of service for the vehicle parking area.

Rehabilitate Access Road

The access road is not covered in the NDAC's PCI study, but rehabilitation is warranted as the pavement is weathered and cracked. As a result, this project will increase pavement life and maintain an accepted level of service for the access road.

Replace Airfield Guidance Signage

This project will replace the existing non-lighted airfield guidance signage with new non-lighted FAA compliant signs on frangible bases. The existing signs are separated from the frangible bases and are wired to fence posts adjacent to the concrete sign bases.

Remove Non-Hazard Obstructions (Trees and Shrubs)

This project will consist of removing existing trees or shrubs within the Runway Object Free Area (ROFA). This will improve the safety of the airfield.

Repair Underdrain System

This project will replace the damaged cleanout caps on the existing underdrain system and set new covers that align with the corrected RSA grades. The underdrains will also be flushed to clean out any debris or sedimentation.

Grade RSA and TSA

This project will grade the existing Runway Safety Area (RSA) and Taxiway Safety Area (TSA) and increase the overall level of safety for aircraft operating on the runway.

Reported By
INTERSTATE ENGINEERING, INC.



Ben Aaseth, PE