



Bismarck Airport

DATE: April 19, 2022
FROM: Gregory Haug, Airport Director
ITEM: Consider additional actions related to Wetland Phase 7 project.

REQUEST:

Consider additional actions related to Wetland Phase 7 project.

Please place this item on the April 26, 2022, City Commission meeting agenda.

BACKGROUND INFORMATION:

Bismarck Airport has been working on successive projects to remove wetlands to reduce wildlife attractants for more than 15 years. Previous phases have eliminated wetlands on the north end of the airport (approach end of Runway 13) and the north east corner of the airport (approach end of Runway 21). The Board approved the design agreement with Kadrmas, Lee & Jackson (KLJ) for Phase 5/6 on February 19, 2019 and approved the construction contract for Wetland Phase 5/6 on September 8, 2020. The project Phase 5/6 is underway.

The Board approved an agreement with KLJ for design and engineering services for Wetland Phase 7 on May 11, 2021 (Enclosure 1). The project was originally advertised and bids were opened at 4 PM on June 28, 2021. Four bids were received. On September 14, 2021 based on Staff recommendation, the bids were rejected by the Board. Subsequent to that action Bismarck Airport worked with Federal Aviation Administration (FAA) and updated the Disadvantage Business Enterprise (DBE) program procedures to have a sponsor official make the good faith effort determination. Airport staff also worked with the Finance department to include written bid protest procedures in the bid specification. On September 22, 2021 the City accepted a \$9,511,181 grant based on estimates that required the project be rebid within 180 days of grant issuance. On January 25, 2022 the Board approved Amendment 3 to KLJ's Phase 7 agreement that moved construction survey to KLJ. FAA approved a Modification to Standards allowing the change.

Staff adjusted the bid specifications and readvertised the project. Bids were opened on March 14, 2022. Three bids were received (Enclosure 2). Weisz & Sons, Inc. (Weisz) was the apparent low bidder for Schedule 1 base bids and alternates with a total bid of \$10,656,306.15. Weisz and Son's bid was corrected for a math error. Weisz's total bid was 13.3% higher than the engineers opinion of probable cost. Weisz met the DBE contract goal and met specification requirements. Staff recommends award of all Schedule 1 Base bids and alternates for a total amount of \$10,656,306.15.

With engineering and other costs added the total project cost is \$12,543,324.40. The funding shortfall is \$2,609,829.40 (Enclosure 3). After visiting with the FAA, Airport staff plans to close the shortfall by requesting that the FAA dedicate the Airports remaining \$1,000,000 in FY 2023 primary entitlement towards the project and applying for \$1,498,718.28 of existing Cares Act funds to fill the remaining gap in funding. See Enclosure 4 for the funding package described above. Staff also plans include 100% of the Sponsor Share for recovery in Passenger Facility Charge #8 which will include collecting any funding deficit. The project budget is at Enclosure 5.

RECOMMENDED CITY COMMISSION ACTION:

1. Receive bids and award Schedule 1 Base bids and Alternates to Wiesz & Sons for \$10,656,306.15.
2. Approve receiving additional FAA grant funds for Wetland Phase 7.
3. Approve the project budget.

STAFF CONTACT INFORMATION:

Greg Haug | Airport Director | 355-1808 | ghaug@bismarcknd.gov

Enclosure

1. Project Diagram
2. Bid Tab
3. Project Cost Sheet (Funding Shortfall)
4. Project Cost Sheet (Proposed Funding Package)
5. Project budget



WETLAND MITIGATION PHASE 7+
 BISMARCK AIRPORT - CITY OF BISMARCK
 BISMARCK, NORTH DAKOTA

**LAYOUT OF REMAINING
 WETLAND REMOVAL
 ALTERNATIVES**

DATE	05/04/2021
PROJECT NUMBER	TJN
PROJECT NAME	BISMARCK AIRPORT
LAST REVISION DATE	05/04/2021

SHEET
 1

PHASE 7 (2021 FUNDING, 2022 CONSTRUCTION)

- DIVISION 1**
 CABLE CONCRETE SYSTEM AND UNDERDRAINS FROM RUNWAY 3-21 TO TEBER ROAD
- DIVISION 2**
 GRADING, CABLE CONCRETE SYSTEM, AND UNDERDRAINS FROM RUNWAY 13-31 TO RUNWAY 3-21
- DIVISION 3, 4**
 INSTALL DEEP STORM DRAIN, UNDERDRAINS, GRADING, AND SURFACE IMPROVEMENTS FROM RUNWAY 13-31 NORTH TO TAXIWAY C
- DIVISION 5**
 INSTALL DEEP STORM DRAIN IMPROVEMENTS AND UNDERDRAINS FROM TAXIWAY C TO TAXIWAY E
- DIVISION 6**
 CONCRETE SYSTEM, UNDERDRAINS, GRADING AND SURFACE IMPROVEMENTS FROM FROM CONTROL TOWER DITCH TO RUNWAY 13-31

PHASE 8 (2022 FUNDING, 2023 CONSTRUCTION)

- DIVISION 1**
 RECONSTRUCT DRAINAGE DITCH AND STORM DRAIN IMPROVEMENTS FROM RUNWAY 13-31 SOUTH TO RUNWAY 3-21
- DIVISION 2**
 CABLE CONCRETE SYSTEM, UNDERDRAINS, GRADING AND SURFACE IMPROVEMENTS FROM RUNWAY 13-31 SOUTH TO RUNWAY 3-21



PRELIMINARY
 NOT FOR
 CONSTRUCTION

July 04, 2021 - 10:42am - K:\Projects\Airport\Bismarck_1887000_0160_WetPkg\CAD\SupplementalData\1887-02200_Pref\Bismarck.dwg (ALTERNATES)



Bismarck Airport

Wetland Removal to Reduce Wildlife Attractants (Phase 7)

AIP #3-38-0003-065-2021; KLJ #2005-01828

Monday, March 14, 2022; 4:00 P.M. CT

Bidder	Total Bid Schedule 1, Division 1, Base Bid	Total Bid Schedule 1, Division 2, Base Bid	Total Bid Schedule 1, Division 3, Alternate	Total Bid Schedule 1, Division 4, Alternate	Total Bid Schedule 1, Division 5, Alternate	Total Bid Schedules 1-5
Bluestone Construction Inc. Sawyer, ND	\$ 2,955,449.20	\$ 1,138,510.50	\$ 887,176.10	\$ 5,385,847.90	\$ 1,618,066.00	\$ 11,985,049.70
Strata Corporation Grand Forks, ND	\$ 3,142,186.75	\$ 1,162,539.20	\$ 673,184.00	\$ 4,316,801.40	\$ 1,525,887.50	\$ 10,820,598.85
Weisz & Sons, Inc. Bismarck, ND	\$ 2,420,147.85	\$ 997,158.60	\$ 867,235.00	\$ 5,081,776.70	\$ 1,289,988.00	\$ 10,656,306.15
Engineer's Opinion of Construction Cost	\$ 2,578,520.00	\$ 1,077,091.00	\$ 785,669.00	\$ 3,461,953.00	\$ 1,501,551.00	\$ 9,404,784.00

Corrections made due to mathematical errors in calculating costs.

Opinion of Probable Costs - Based on Welsz Construction's Bid
Bismarck Airport
Bismarck, North Dakota
KLJ #2005-01828, AIP #3-38-0003-065-2021



Wetland Removal to Reduce Wildlife Attractants (Phase 7)

Total Estimated Construction Costs	
Schedule 1, Division 1, Base Bid - Cable Concrete System and Underdrains from Runway 3-21 to Yegen Road	\$ 2,420,147.85
Schedule 1, Division 2, Base Bid - Grading, Cable Concrete System, and Underdrains from Runway 13-31 to Runway 3-21	\$ 997,158.60
Schedule 1, Division 3, Alternate - Install Deep Storm Drain and Grading North from Runway 13-31 North to Taxiway C	\$ 867,235.00
Schedule 1, Division 4, Alternate - Reconstruct drainage ditch and storm drain improvements from Taxiway C to Taxiway E; including Microtunneling, and Pilot Tube Auger Boring	\$ 5,081,776.70
Schedule 1, Division 5, Alternate - Cable Concrete System, Underdrains and Surface Improvements from Runway 13-31 to Taxiway E	\$ 1,289,988.00

Summary of Construction Costs	
Schedule 1, Division 1, Base Bid + Schedule 1, Division 2, Base Bid + Schedule 1, Division 3, Alternate + Schedule 1, Division 4, Alternate + Schedule 1, Division 5, Alternate	\$ 10,656,306.15

Other Costs	
Administration (Added - not part of Engineering Contract)	\$ 10,000.00
Preliminary and Design Services	312,507.97
Rebidding Services *	36,659.54
Construction Observation, Records, and Testing	1,448,037.44
FAA Project Closeout Report	49,813.30
Utility Relocation (if required)	30,000.00
Total Estimated Other Costs	\$ 1,887,018.25

Summary of Project Costs	
Schedule 1, Division 1, Base Bid + Schedule 1, Division 2, Base Bid + Schedule 1, Division 3, Alternate + Schedule 1, Division 4, Alternate + Schedule 1, Division 5, Alternate	\$ 12,543,324.40

Funding Breakdown	
Federal Funds - Discretionary (100%)	\$ 5,000,000.00
Federal Funds - 2019 Primary Entitlements (100%)	\$ 1,933.00
Federal Funds - Primary Entitlements 2021 (100%)	\$ 137,385.00
Total AIP	\$ 5,139,318.00

Total AIP	\$ 5,139,318.00
ARPA Match Amount	\$ 571,035.00
Federal Funds - Primary Entitlements 2022 (90%)	\$ 2,400,414.00
Federal Funds - Primary Entitlements 2023 (90%)	\$ 1,400,414.00
Total - Federal Funds	\$ 9,511,181.00
Local Funds for Primary Entitlements 2022, Primary Entitlements 2023, PNR 2019 (5%)	\$ 211,157.00
State Funds for Primary Entitlements 2022, Primary Entitlements 2023, PNR 2019 (5%)	\$ 211,157.00
Total - Federal, Local, and State Funds	\$ 9,933,495.00
Funding Shortfall	\$ 2,609,829.40

* FAA has determined that Rebidding Services are not eligible for federal funding participation.

Updated March 16, 2022 TJN

Enclosure 3

Opinion of Probable Costs - Based on Welsz Construction's Bid

Bismarck Airport

Bismarck, North Dakota

KLJ #2005-01828, AIP #3-38-0003-065-2021

Wetland Removal to Reduce Wildlife Attractants (Phase 7)



Total Estimated Construction Costs	
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Schedule 1, Division 4, Alternate - Reconstruct drainage ditch and storm drain improvements from Taxiway C to Taxiway E; including Microtunneling, and Pilot Tube Auger Boring	\$ 5,081,776.70
Schedule 1, Division 5, Alternate - Cable Concrete System, Underdrains and Surface Improvements from Runway 13-31 to Taxiway E	\$ 1,289,988.00

Summary of Construction Costs	
Schedule 1, Division 1, Base Bid + Schedule 1, Division 2, Base Bid + Schedule 1, Division 3, Alternate + Schedule 1, Division 4, Alternate + Schedule 1, Division 5, Alternate	\$ 10,656,306.15

Other Costs	
Administration (Added - not part of Engineering Contract)	\$ 10,000.00
Preliminary and Design Services	312,507.97
Rebidding Services *	36,659.54
Construction Observation, Records, and Testing	1,448,037.44
FAA Project Closeout Report	49,813.30
Utility Relocation (if required)	30,000.00
Total Estimated Other Costs	\$ 1,887,018.25

Summary of Project Costs	
Schedule 1, Division 1, Base Bid + Schedule 1, Division 2, Base Bid + Schedule 1, Division 3, Alternate + Schedule 1, Division 4, Alternate + Schedule 1, Division 5, Alternate	\$ 12,543,324.40

Funding Breakdown	
Federal Funds - Discretionary (100%)	\$ 5,000,000.00
Federal Funds - 2019 Primary Entitlements (100%)	\$ 1,933.00
Federal Funds - Primary Entitlements 2021 (100%)	\$ 137,385.00
Total AIP	\$ 5,139,318.00

Total AIP	\$ 5,139,318.00
ARPA Match Amount	\$ 571,035.00
Federal Funds - Primary Entitlements 2022 (90%)	\$ 2,400,414.00
Federal Funds - Primary Entitlements 2023 (90%)	\$ 1,400,414.00
Federal Funds - Primary Entitlements 2023 Future Amendment (90%)	\$ 1,000,000.00
CARES Act Funds (100%)	\$ 1,498,718.28
Total - Federal Funds	\$ 12,009,899.28
Local Funds for Primary Entitlements 2022, Primary Entitlements 2023, PNR 2019 (5%)	\$ 211,157.00
State Funds for Primary Entitlements 2022, Primary Entitlements 2023, PNR 2019 (5%)	\$ 211,157.00
Local Funds for Primary Entitlements 2023 Future Amendment (5%)	\$ 55,555.56
State Funds for Primary Entitlements 2023 Future Amendment (5%)	\$ 55,555.56
Total - Federal, Local, and State Funds	\$ 12,543,324.40

Total - State Funds	\$ 266,712.56
Total - Local Funds	\$ 266,712.56

* FAA has determined that Rebidding Services are not eligible for federal funding participation.

Updated April 12, 2022 TJN

Enclosure 4

AIRPORT PROJECT BUDGET

Date: April 26, 2022

Number	AIP 65	Description	Wetland Removal to Reduce Attractants (Phase 7)
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Scheduled Start	NTP	Scheduled End	Sept 30, 2023
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Project Construction Contracts

Project Construction Contracts	Amount
1. Weisz Construction (General Phase 7)	\$ 10,656,306.15
Total Construction Contracts	\$ 10,656,306.15

Engineer, Testing and Misc. Contracts	Amount
1. KLJ - Construction Observance, Administration, Close Out, and Testing (Phase 7)	\$ 1,877,018.25
Total Engineer, Testing and Misc. Contracts	\$ 1,877,018.25

Administration	\$ 10,000.00
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Sub Total	\$ 12,543,324.40
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Project Funding		Amount
FAA Grant:	AIP 65	\$5,139,318.00
	ARPA Match	\$571,035.00
	Entitlements 2022 (90%)	\$2,400,414.00
	Entitlements 2023 (90%)	\$1,400,414.00
	Entitlements 2023 Amendment (90%)	\$1,000,000.00
	Cares Act Funds	\$1,498,718.28
State Grant:	\$ 266,712.56	
Airport Funds (5%):	\$ 266,712.56	
Total Funding (without contingencies)		\$ 12,543,324.40

CONTINGENCIES	10%	\$1,254,332.44
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OTHER COSTS	
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TOTAL PROJECT COST	\$13,797,656.84
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