



Clay County, Missouri

Purchasing Department

16 W. Franklin Street
Liberty, MO 64068

PURCHASING DEPARTMENT RFQ 18-23, AIRPORT ENGINEERING CONSULTANTS ADDENDUM No. 2

Dear Vendor,

The original RFQ remains in effect except as revised by the following changes, which shall take precedence over anything to the contrary in the specifications.

Except as amended by this Addendum, all terms and conditions of the RFQ remain unchanged.

Please Note: The format for this addendum will detail questions asked, answers given and clarifications and statements made. Q = Question, A = Answer, C = Clarification and S = Statement.

- Q1:** We understand that the Planning services are to be separated from the Engineering services in the RFQ process, but some Airports prefer to have the SOQ's combined into one submittal for ease of review. We just wanted to confirm that you want two separate submittals on two separate dates with the Engineering due May 16 and Planning due May 18?
- A1:** Please submit separate SOQ's for each RFQ requested date due. Per MoDOT these RFQs were to be submitted independently.
- Q2:** Could you also please share with us who is on the selection committee and how will the qualifications be scored/weighed?
- A2:** An Evaluation Committee may consist of three (3) to five (5) individuals. Evaluations will be based on the standards set forth in AC No 150/5100-15E, Chapter 2.
- Q3:** Question regarding amounts listed in Section 2.1 Specific Requirements line items No. 5 and No. 6 under the list of projects.
- A3:** This was listed on the CIP as one project and MoDOT recommended that Clay County split it into two due to the cost and the dollar amounts were divided evenly for the purposes of the RFQ.
- Q4:** Are we allowed to combine any of the required sections under Qualification Considerations? For example, could we combine Key Personnel and Project Team into a single section?
- A4:** Yes, as long as it will make sense to a reviewer on the Evaluation Committee and those sections are delineated on a table of contents and section heading.

Q5: Can we add separate sections (e.g., Project Approach) not listed under the Qualifications Considerations items, or should this content be rolled into one of the required Qualification Considerations items?

A5: Yes, as long as it will make sense to a reviewer on the Evaluation Committee and those combined sections are delineated on a table of contents and section heading.

C1: See CIP Attachments included with this Addendum:

Attachment 1: Five (5) Year Capital Improvement Plan (CIP)

Attachment 2: FAA CIP DATA SHEET – RSA Grading & Erosion Control – Study & Preliminary Design

Attachment 3: Engineers Estimated Cost of Construction – RSA Grading & Erosion Control – Study & Preliminary Design

Attachment 4: FAA CIP Data Sheet – Taxiway & Apron Pavement Sealcoat & Electrical Upgrades

Attachment 5: Engineers Estimated Cost of Construction – Taxiway & Apron Pavement Sealcoat & Electrical Upgrades

Attachment 6: FAA CIP Data Sheet – RSA Grading & Erosion Control – Final Design & Construction

Attachment 7: Engineers Estimated Cost of Construction - RSA Grading & Erosion Control – Final Design & Construction

Attachment 8: FAA CIP Data Sheet – Terminal Project with ATP BIL Funds

Attachment 9: FAA CIP Data Sheet – Connector Taxilane and Two Box Hangars

Attachment 10: Engineers Estimated Cost of Construction - Connector Taxilane to T-Hangars & Two Box Hangars

Attachment 11: Long Range needs Assessment FFY 2029 – FFY 2033

ACKNOWLEDGEMENT

Each Vendor shall acknowledge receipt of this Addendum No. 2 of RFQ 18-23; Airport Engineering Consultants by their signature affixed hereto, and shall attach this Addendum to the original RFP.

CERTIFICATION BY BIDDER

SIGNATURE _____

TITLE _____

COMPANY _____

DATE _____

Cordially,

Patrick West, Purchasing Specialist II

Attachment 1

Five - Year Capital Improvement Program (CIP)

Airport Name: MIDWEST NATIONAL AIR CENTER Telephone No. 816-407-3390

Date Prepared: December 15, 2022

Project Description	Funding Source	FY 24 OR POTENTIAL FY 23	FY 2025	FY 2026	FY 2027	FY 2028
RSA GRADING AND EROSION CONTROL- STUDY AND PRELIMINARY DESIGN	Federal	\$ 121,500.00				
	State	\$ 13,500.00				
	Local					
	Total	\$ 135,000.00	\$ -	\$ -	\$ -	\$ -
TAXIWAY AND APRON SEALCOAT AND ELECTRICAL UPDATES	Federal	\$ 900,000.00				
	State					
	Local	\$ 100,000.00				
	Total	\$ 1,000,000.00	\$ -	\$ -	\$ -	\$ -
RSA GRADING AND EROSION CONTROL W/ ALP UPDATE AFTERWARDS	Federal		\$ 2,700,000.00			
	State					
	Local		\$ 300,000.00			
	Total		\$ 3,000,000.00		\$ -	
TERMINAL PROJECT ATP BIL (PARKING LOT AND/ OR RENNOVATION)	Federal			\$ 900,000.00		
	State					
	Local			\$ 100,000.00		
	Total	\$ -	\$ -	\$ 1,000,000.00	\$ -	\$ -
CONNECTOR TAXILANE TO NEW HANGAR AREA W/ 2 BOX HANGARS	Federal			\$ -	\$ 2,731,600.00	
	State					
	Local			\$ -	\$ 303,500.00	
	Total	\$ -	\$ -	\$ -	\$ 3,035,100.00	\$ -

FEDERAL AVIATION ADMINISTRATION

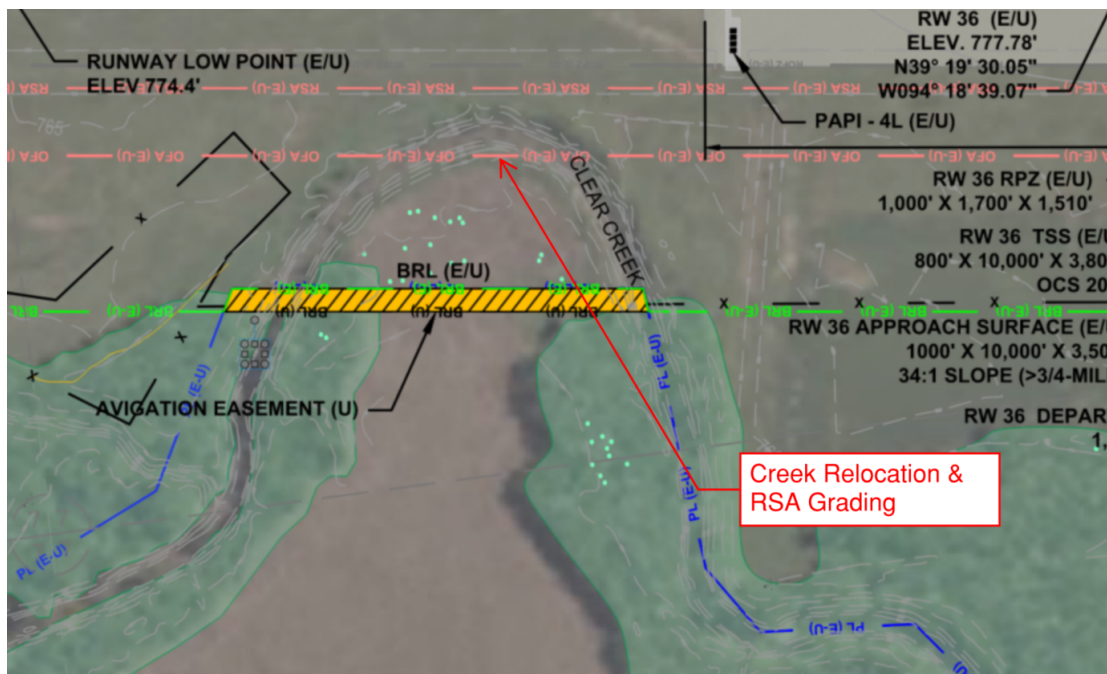
CIP DATA SHEET

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION - CENTRAL REGION

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	Midwest National Air Center, GPH, Mosby, Missouri		
AIP Project Type:	RSA Grading and Erosion Control- Study and Preliminary Design		
Local Priority:	1 - Very High	Federal Share:	\$ 121,500
FFY Requested:	2024 OR FY 23, if possible, with BIL	State Share:	\$0.00
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$15,000
		Total Project Cost:	\$ 135,000

The runway object free area (ROFA) on the west side of Runway 18-36 is being encroached upon by Clear Creek and further erosion could affect the RSA. Due to erosion of the east bank, the object area slope in the vicinity of the creek has dropped. This has been identified on MoDOT Aviation's previous airport inspections. Continued erosion may pose a safety concern for the airport and requires attention. This first phase will include a study and preliminary design to develop options to resolve the erosion concerns and initiate environmental permitting for the proposed work in the channel.



SPONSOR SIGNATURE BLOCK

Signature:		Date:	12/15/2022
Printed Name:	John Davis	Title:	Interim Airport Manager
Phone Number:	816-506-5859	Email:	jdavis@claycountymmo.gov

Attachment 3

<p style="text-align: center;">ENGINEERS ESTIMATED COST OF CONSTRUCTION MIDWEST NATIONAL AIR CENTER CLAY COUNTY, MISSOURI RSA GRADING AND EROSION CONTROL- STUDY AND PRELIMINARY DESIGN</p> <p style="text-align: center;">PROJECT NO.: Burns & McDonnell No. xxx December 15, 2022</p>							
ITEM NO.	DESCRIPTION OF WORK	UNITS	ESTIMATED QUANTITY	TOTAL PROJECT COST		AIP COST	SPONSOR SHARE
				UNIT COST	TOTAL	TOTAL	
1	TOPOGRAPHICAL SURVEY	LS	1.00	\$20,000.00	\$20,000.00	\$18,000.00	\$2,000.00
2	HYDRAULIC EVALUATION	LS	1.00	\$20,000.00	\$20,000.00	\$18,000.00	\$2,000.00
3	CREATE DESIGN OPTIONS	LS	1.00	\$25,000.00	\$25,000.00	\$22,500.00	\$2,500.00
4	PRELIMINARY DESIGN	LS	1.00	\$25,000.00	\$25,000.00	\$22,500.00	\$2,500.00
5	ENVIRONMENTAL ASSESSMENT DOCUMENTATION	LS	1.00	\$20,000.00	\$20,000.00	\$18,000.00	\$2,000.00
6	COORDINATE PERMITTING	LS	1.00	\$25,000.00	\$25,000.00	\$22,500.00	\$2,500.00
TOTAL ESTIMATED DESIGN COST					\$135,000.00	\$121,500.00	\$13,500.00
Anticipated Funding Year		2023					

FEDERAL AVIATION ADMINISTRATION

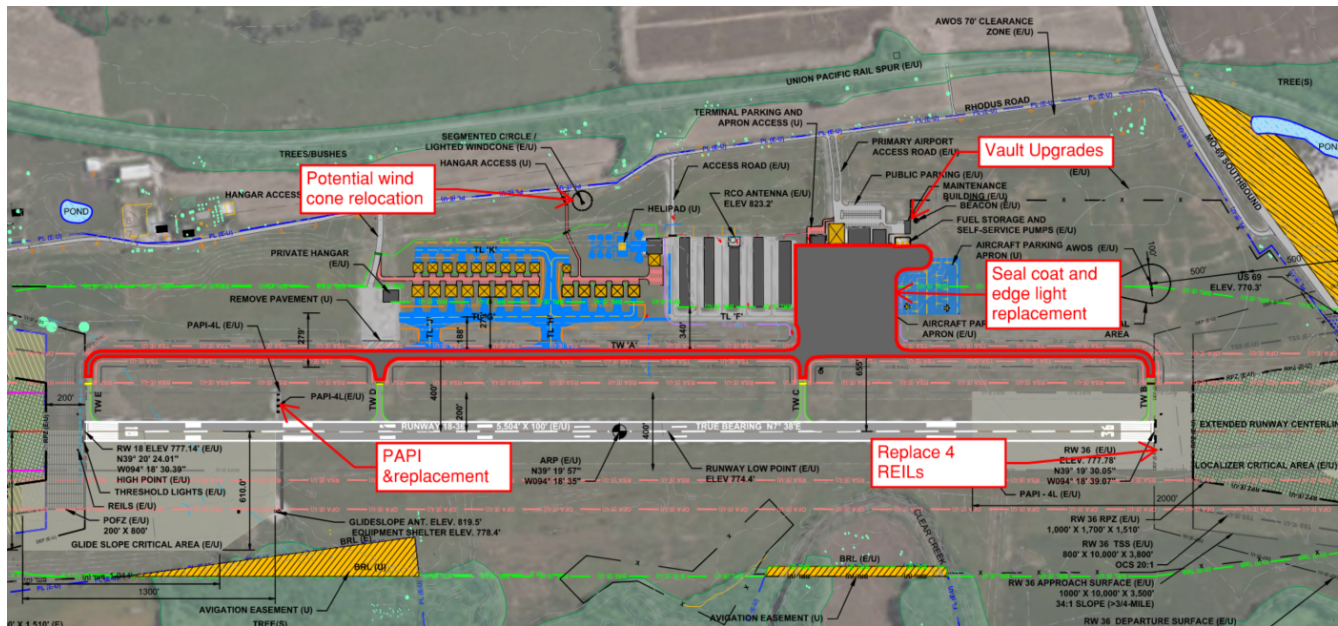
CIP DATA SHEET

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION - CENTRAL REGION

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	Midwest National Air Center, GPH, Mosby, Missouri		
AIP Project Type:	Taxiway and Apron Pavement Sealcoat and Electrical Upgrades		
Local Priority:	2 - High	Federal Share:	\$ 900,000
FFY Requested:	2024	State Share:	\$0.00
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$100,000
		Total Project Cost:	\$ 1,000,000

The existing Taxiway and Apron Sealcoat was applied in 2014. A new sealcoat will need to be installed to continue to protect the airfield pavement and help prevent FOD issues. The pavements were crack sealed with county funds in the fall of 2022, but a seal coat was not completed due to timing and funding availability. With the work in this area, the taxiway and apron edge lights are 20+ years old, very dim and non-standard, as indicated in the airport's latest 5010 inspection. Now would be a good target of opportunity to update them. Also, there is other electrical work around the airfield that would greatly benefit from replacement. Doing this work now, while having an electrical prime contractor onsite will save the airport and FAA funding and make the design and construction more efficient. The runway 18 PAPI and all 4 REILs are also 15 (PAPI) and 20+ years (REILs) old and require routine maintenance to remain operational. LED lamps would allow for greener, cheaper and less maintenance operations. The county would also like to explore relocating the primary wind cone/segmented circle. It is not visible from either runway end currently. Lastly, the electric vault could use a new airfield panel and a few other minor replacements of components that are 25 years old. A new dedicated electric vault access will be explored as well.



SPONSOR SIGNATURE BLOCK

Signature:		Date:	12/15/2022
Printed Name:	John Davis	Title:	Interim Airport Manager
Phone Number:	816-506-5859	Email:	jdavis@claycountymmo.gov

Attachment 5

<p style="text-align: center;">ENGINEERS ESTIMATED COST OF CONSTRUCTION MIDWEST NATIONAL AIR CENTER CLAY COUNTY, MISSOURI TAXIWAY AND APRON SEALCOAT AND ELECTRIC UPGRADES</p> <p style="text-align: center;">PROJECT NO.: Burns & McDonnell No. xxx December 14, 2022</p>								
				TOTAL PROJECT COST		AIP SHARE		SPONSOR SHARE
ITEM NO.	DESCRIPTION OF WORK	UNITS	ESTIMATED QUANTITY	UNIT COST	TOTAL	UNITS	TOTAL	TOTAL
1	MOBILIZATION	LS	1.00	\$51,000.00	\$51,000.00	1.00	\$45,900.00	\$5,100.00
2	TRAFFIC CONTROL	LS	1.00	\$25,000.00	\$25,000.00	1.00	\$22,500.00	\$2,500.00
	SEAL COAT							
3	PAVEMENT FRICTION SEALCOAT SURFACE TREATMENT	SY	65,000.00	\$2.50	\$162,500.00	65,000.00	\$146,250.00	\$16,250.00
4	AIRPORT TAXIWAY AND APRON PAVEMENT MARKING (YELLOW)	SF	6,600.00	\$1.00	\$6,600.00	6,600.00	\$5,940.00	\$660.00
5	AIRPORT TAXIWAY AND APRON PAVEMENT MARKING (BLACK)	SF	6,600.00	\$1.00	\$6,600.00	6,600.00	\$5,940.00	\$660.00
	TAXIWAY EDGE LIGHTS							
6	TAXIWAY EDGE LIGHTS, FIXTURES ONLY	EA	165.00	\$1,100.00	\$181,500.00	165.00	\$163,350.00	\$18,150.00
7	REPLACE CABLE, IN EXISTING CONDUIT	LF	14,100.00	\$3.00	\$42,300.00	14,100.00	\$38,070.00	\$4,230.00
8	15% CONTINGENCY FOR LIMITED CAN AND CONDUIT REPLACEMENT	LS	1.00	\$33,000.00	\$33,000.00	1.00	\$29,700.00	\$3,300.00
9	REGULATOR	EA	1.00	\$15,000.00	\$15,000.00	1.00	\$13,500.00	\$1,500.00
	REILs							
10	REPLACE REIL (FIXTURE AND POWER RACK ONLY)	EA	4.00	\$20,000.00	\$80,000.00	4.00	\$72,000.00	\$8,000.00
11	REPLACE CABLE, IN EXISTING CONDUIT	LF	200.00	\$3.00	\$600.00	200.00	\$540.00	\$60.00
	RWY 18 PAPIs							
12	REPLACE 4 BOX PAPI (FIXTURE AND POWER RACK ONLY)	EA	1.00	\$80,000.00	\$80,000.00	1.00	\$72,000.00	\$8,000.00
13	REPLACE CABLE, IN EXISTING CONDUIT, INCLUDING HOMERUN TO VAULT AND TO BOTH PAPIs AND REILs	LF	10,000.00	\$3.00	\$30,000.00	10,000.00	\$27,000.00	\$3,000.00
14	FLIGHT CHECK	LS	1.00	\$15,000.00	\$15,000.00	1.00	\$13,500.00	\$1,500.00
	RELOCATE PRIMARY WIND CONE AND SEGMENTED CIRCLE							
15	NEW PRIMARY WIND CONE AND FOUNDATION	LS	1.00	\$15,000.00	\$15,000.00	1.00	\$13,500.00	\$1,500.00
16	RELOCATE SEGMENTED CIRCLE MARKERS	LS	1.00	\$2,000.00	\$2,000.00	1.00	\$1,800.00	\$200.00
17	REMOVE OLD WIND CONE FOUNDATION, RE-GRADE AND RE-SEED	LS	1.00	\$5,000.00	\$5,000.00	1.00	\$4,500.00	\$500.00
18	CONSTRUCT CABLE AND CONDUIT TO NEW LOCATION	LF	1,500.00	\$5.00	\$7,500.00	1,500.00	\$6,750.00	\$750.00
	VAULT UPGRADES							
19	UPGRADE PANEL AND OTHER APPURTENANCES AS NEEDED	LS	1.00	\$45,000.00	\$45,000.00	1.00	\$40,500.00	\$4,500.00
	TOTAL ESTIMATED CONSTRUCTION COST OF BASE BID				\$803,600.00		\$723,240.00	\$80,360.00
	ESTIMATED DESIGN, CONSTRUCTION SERVICES & ADMINISTRATION COST				\$196,882.00		\$177,193.80	\$19,688.20
	TOTAL COST				\$1,000,000.00		\$900,000.00	\$100,000.00

FEDERAL AVIATION ADMINISTRATION

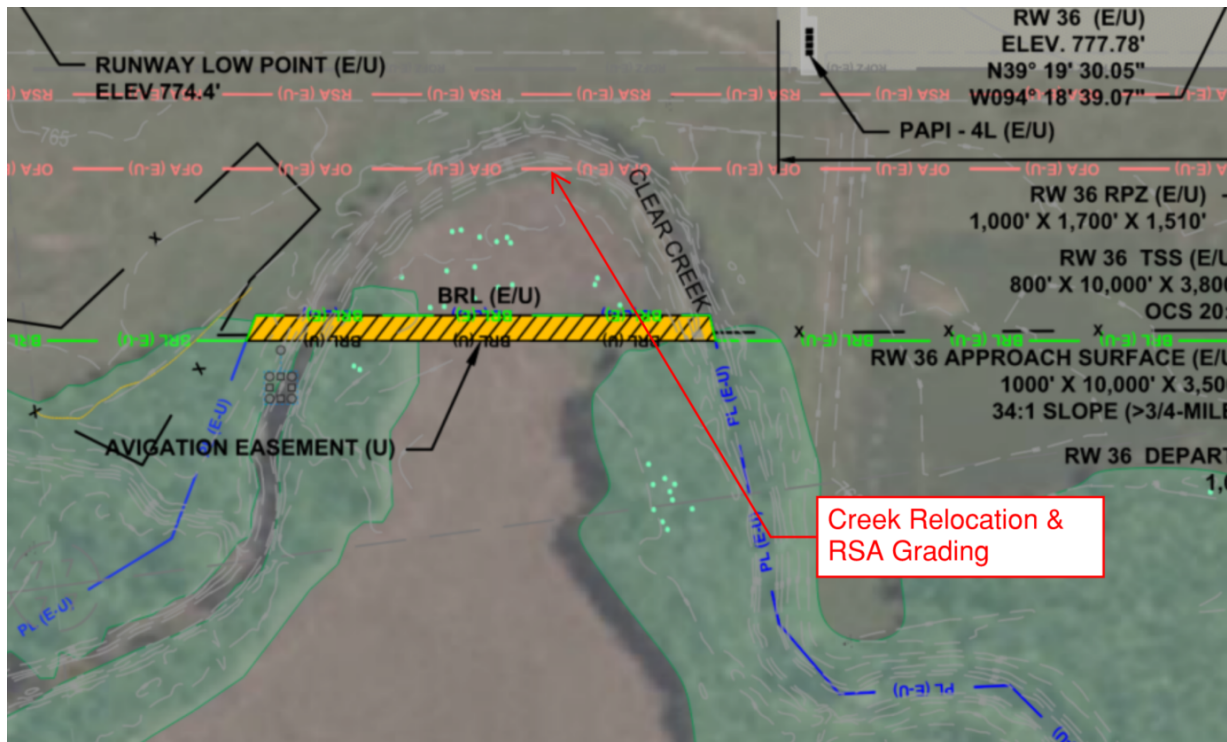
CIP DATA SHEET

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION - CENTRAL REGION

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	Midwest National Air Center, GPH, Mosby, Missouri		
AIP Project Type:	RSA Grading and Erosion Control- Final Design and Construction		
Local Priority:	3 - Medium	Federal Share:	\$ 2,700,000.00
FFY Requested:	2025	State Share:	\$0.00
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$300,000.00
		Total Project Cost:	\$ 3,000,000

The runway object free area (ROFA) on the west side of Runway 18-36 is being encroached upon by Clear Creek and further erosion could affect the RSA. Due to erosion of the east bank, the object area slope in the vicinity of the creek has dropped. This has been identified on MoDOT Aviation's previous airport inspections. Continued erosion may pose a safety concern for the airport and requires attention. This first phase will include a study and preliminary design to develop options to resolve the erosion concerns and initiate environmental permitting for the proposed work in the channel. The second phase will include final design and construction.



Creek Relocation &
RSA Grading

SPONSOR SIGNATURE BLOCK

Signature:		Date:	12/15/2022
Printed Name:	John Davis	Title:	Interim Airport Manager
Phone Number:	816-506-5859	Email:	jdavis@claycountymmo.gov

Attachment 7

ENGINEERS ESTIMATED COST OF CONSTRUCTION
MIDWEST NATIONAL AIR CENTER
CLAY COUNTY, MISSOURI
RSA GRADING AND EROSION CONTROL- FINAL DESIGN AND CONSTRUCTION

PROJECT NO.:
Burns & McDonnell No. xxx
December 15, 2022

ITEM NO.	FAA ITEM NO.	DESCRIPTION OF WORK	UNITS	ESTIMATED QUANTITY	Initial unit price	TOTAL PROJECT COST		AIP ELIGIBLE COST		TOTAL SPONSOR COST
						UNIT COST	TOTAL	UNITS	TOTAL	
1		CHANNEL RECONSTRUCTION (1,000 LF)	CY	67,000.00	\$31.84	\$39.80	\$2,666,600.00	67,000.00	\$2,399,940.00	\$266,660.00
		TOTAL ESTIMATED CONSTRUCTION COST OF BASE BID					\$2,666,600.00		\$2,399,940.00	\$266,660.00
		ESTIMATED DESIGN, CONSTRUCTION SERVICES & ADMINISTRATION COST					\$333,325.00		\$299,992.50	\$33,332.50
		TOTAL COST (ROUNDED)					\$3,000,000.00		\$2,700,000.00	\$300,000.00
		Anticlpated Design & Construction	2025							

FEDERAL AVIATION ADMINISTRATION

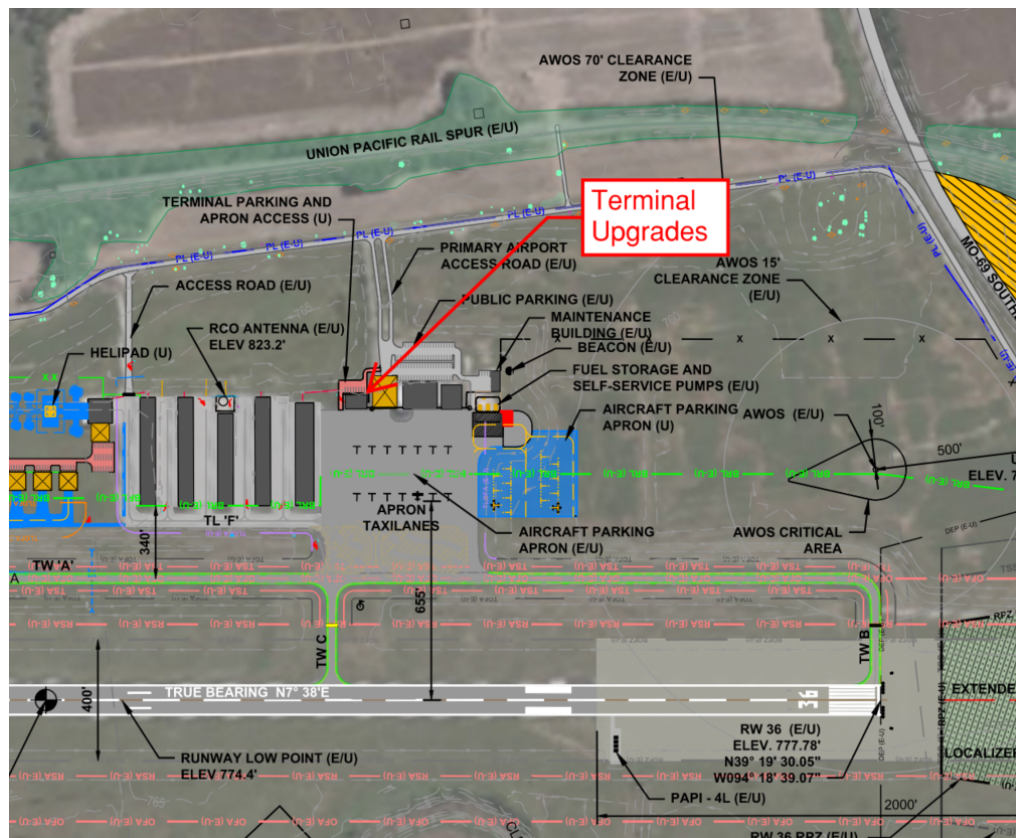
CIP DATA SHEET

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION - CENTRAL REGION

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	Midwest National Air Center, GPH, Mosby, Missouri		
AIP Project Type:	Terminal Project with ATP BIL funds		
Local Priority:	3 - Medium	Federal Share:	\$ 900,000
FFY Requested:	2026	State Share:	\$0.00
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$100,000
		Total Project Cost:	\$ 1,000,000

Midwest National Air Center's terminal facility was built in 2002 and could use some upgrades. Opportunities for upgrades include a renovation to allow for more public and/or leasing space. Potential HVAC, solar panels, or parking lot improvements are also possibilities. We're working with the airport and county to solidify the airport's greatest need and see what competes well for the new ATP BIL funding.



SPONSOR SIGNATURE BLOCK

Signature:		Date:	12/15/2022
Printed Name:	John Davis	Title:	Interim Airport Manager
Phone Number:	816-506-5859	Email:	jdavis@claycountymmo.gov

FEDERAL AVIATION ADMINISTRATION

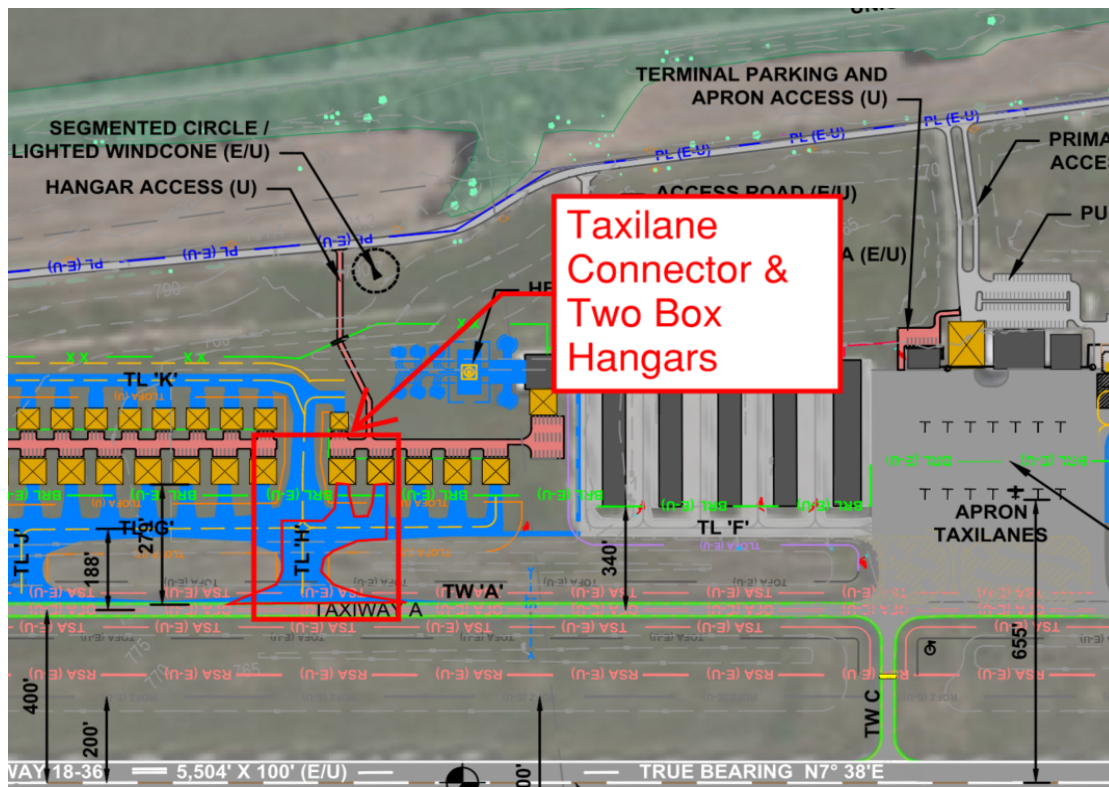
CIP DATA SHEET

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION - CENTRAL REGION

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	Midwest National Air Center, GPH, Mosby, Missouri		
AIP Project Type:	Connector Taxilane and Two Box Hangars		
Local Priority:	3 - Medium	Federal Share:	\$ 2,731,600
FFY Requested:	2027	State Share:	\$0.00
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$303,500
		Total Project Cost:	\$ 3,035,100

The county requests an additional connector taxilane and two box hangars to provide additional hangar space and provide access to a future hangar development area planned on their ALP and master plan. The additional connector is necessary to aide in traffic flow for the existing hangars and the planned future hangars in this area. The airport currently has a hangar wait list and frequent requests for corporate hangars.



SPONSOR SIGNATURE BLOCK

Signature:		Date:	12/15/2022
Printed Name:	John Davis	Title:	Interim Airport Manager
Phone Number:	816-506-5859	Email:	jdavis@claycountymmo.gov

Attachment 10

ENGINEERS ESTIMATED COST OF CONSTRUCTION MIDWEST NATIONAL AIR CENTER CLAY COUNTY, MISSOURI CONNECTOR TAXILANE TO T-HANGARS AND TWO BOX HANGARS

PROJECT NO.:
Burns & McDonnell No. xxx
December 15, 2022

ITEM NO.	FAA ITEM NO.	DESCRIPTION OF WORK	UNITS	ESTIMATED QUANTITY	TOTAL PROJECT COST		AIP ELIGIBLE COST		TOTAL SPONSOR COST
					UNIT COST	TOTAL	UNITS	TOTAL	
1		MOBILIZATION	LS	1	\$310,438.71	\$310,438.71	1.00	\$279,394.84	\$31,043.87
2		PAINT REMOVAL	SF	1,800	\$4.20	\$7,560.00	1,800.00	\$6,804.00	\$756.00
3		SAW CUT FULL DEPTH	LF	1,850	\$8.40	\$15,540.00	1,850.00	\$13,986.00	\$1,554.00
4		TRAFFIC CONTROL	LS	1	\$152,803.27	\$152,803.27	1.00	\$137,522.94	\$15,280.33
5		EMBANKMENT IN PLACE	CY	3,225	\$30.80	\$99,330.00	3,225.00	\$89,397.00	\$9,933.00
6		UNSUITABLE EXCAVATION	CY	1,705	\$28.00	\$47,740.00	1,705.00	\$42,966.00	\$4,774.00
7		INSTALLATION AND REMOVAL OF SILT FENCE	LF	1,100	\$4.20	\$4,620.00	1,100.00	\$4,158.00	\$462.00
8		ROCK REVETMENT	TONS	200	\$105.00	\$21,000.00	200.00	\$18,900.00	\$2,100.00
9		12 INCH FLY ASH TREATED SUBGRADE	SY	4,700	\$16.80	\$78,960.00	4,700.00	\$71,064.00	\$7,896.00
10		FLY ASH	TON	381	\$84.00	\$31,978.80	380.70	\$28,780.92	\$3,197.88
11		12 INCH CRUSHED AGGREGATE BASE COURSE	SY	4,700	\$30.80	\$144,760.00	4,700.00	\$130,284.00	\$14,476.00
12		4 INCH BITUMINOUS SURFACE COURSE (2 - 2 INCH LIFTS)	TON	1,058	\$126.00	\$133,245.00	1,057.50	\$119,920.50	\$13,324.50
13		BITUMINOUS PRIME COAT	GAL	1,175	\$11.20	\$13,160.00	1,175.00	\$11,844.00	\$1,316.00
14		BITUMINOUS TACK COAT	GAL	705	\$3.85	\$2,714.25	705.00	\$2,442.83	\$271.43
15		REFLECTORIZED PAVEMENT MARKING (YELLOW)	SF	1,000	\$5.60	\$5,600.00	1,000.00	\$5,040.00	\$560.00
16		NON-REFLECTORIZED PAVEMENT MARKING	SF	1,800	\$3.85	\$6,930.00	1,800.00	\$6,237.00	\$693.00
17		30" CLASS IV REINFORCED CONCRETE PIPE	LF	200	\$91.00	\$18,200.00	200.00	\$16,380.00	\$1,820.00
18		30" RCP FLARED END SECTION	EA	2	\$1,680.00	\$3,360.00	2.00	\$3,024.00	\$336.00
19		MODULAR POLYMER CONCRETE GRATED TRENCH	LF	150	\$280.00	\$42,000.00	150.00	\$37,800.00	\$4,200.00
20		4" PERFORATED PVC UNDERDRAIN (COMPLETE)	LF	1,750	\$32.20	\$56,350.00	1,750.00	\$50,715.00	\$5,635.00
21		4" NON-PERFORATED PVC OUTLET PIPE	LF	300	\$40.60	\$12,180.00	300.00	\$10,962.00	\$1,218.00
22		UNDERDRAIN CLEANOUTS	EA	8	\$1,400.00	\$11,200.00	8.00	\$10,080.00	\$1,120.00
23		PRECAST CONCRETE SPLASH PADS	EA	4	\$2,100.00	\$8,400.00	4.00	\$7,560.00	\$840.00
24		SEEDING	AC	5.00	\$3,500.00	\$17,500.00	5.00	\$15,750.00	\$1,750.00
25		MULCHING	AC	5.00	\$1,960.00	\$9,800.00	5.00	\$8,820.00	\$980.00
26		CORPORATE BOX HANGAR	LS	2	\$550,000.00	\$1,100,000.00	2.00	\$990,000.00	\$110,000.00
27		TAXIWAY EDGE LIGHT REMOVAL AND SALVAGE	EA	10	\$560.00	\$5,600.00	10.00	\$5,040.00	\$560.00
28		SALVAGED TAXIWAY EDGE LIGHT INSTALLATION	EA	10	\$560.00	\$5,600.00	10.00	\$5,040.00	\$560.00
29		NEW TAXIWAY EDGE LIGHT INSTALLATION	EA	20	\$1,540.00	\$30,800.00	20.00	\$27,720.00	\$3,080.00
30		UNDERGROUND CABLE L-824C 1/C, #8 AWG, 5KV, INSTALLED IN TRENCH, DUCT BANK, OR CONDUIT	LF	3,500	\$3.50	\$12,250.00	3,500.00	\$11,025.00	\$1,225.00
31		UNDERGROUND #6 COUNTERPOISE	LF	1,600	\$2.80	\$4,480.00	1,600.00	\$4,032.00	\$448.00
32		2" CONDUIT, DIRECT BURIED	LF	1,600	\$21.00	\$33,600.00	1,600.00	\$30,240.00	\$3,360.00
		TOTAL ESTIMATED CONSTRUCTION COST OF BASE BID				\$2,447,700.03		\$2,202,930.03	\$244,770.00
		ESTIMATED DESIGN, CONSTRUCTION SERVICES & ADMINISTRATION COST				\$587,448.01		\$528,703.21	\$58,744.80
		TOTAL COST				\$3,035,100.00		\$2,731,600.00	\$303,500.00

Attachment 11

**Long Range Needs Assessment
FFY 2029 - FFY 2033**

Airport Name: MIDWEST NATIONAL AIR Telephone No. 816-407-3390
 Date Prepared: December 15, 2022

Project Description	Funding Source	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
Obstruction Removals	Federal	\$ 67,500.00				
	State	\$ -				
	Local	\$ 7,500.00				
	Total	\$ 75,000.00	\$ -	\$ -	\$ -	\$ -
Helicopter Parking (32 SY)	Federal		\$ 144,000.00			
	State		\$ -			
	Local		\$ 16,000.00			
	Total		\$ 160,000.00	\$ -	\$ -	\$ -
Apron Lighting	Federal			\$ 90,000.00		
	State			\$ -		
	Local			\$ 10,000.00		
	Total			\$ 100,000.00	\$ -	\$ -
Terminal Building Parking/Apron Access (629 SY)	Federal				\$ 270,000.00	
	State				\$ -	
	Local				\$ 30,000.00	
	Total				\$ 300,000.00	\$ -
Aircraft Parking Apron P1 (4,231 SY)	Federal					\$ 1,440,000.00
	State					\$ -
	Local					\$ 160,000.00
	Total					\$ 1,600,000.00
TOTALS	Federal	\$ 67,500.00	\$ 144,000.00	\$ 90,000.00	\$ 270,000.00	\$ 1,440,000.00
	State	\$ -	\$ -	\$ -	\$ -	\$ -
	Local	\$ 7,500.00	\$ 16,000.00	\$ 10,000.00	\$ 30,000.00	\$ 160,000.00
	Total	\$ 75,000.00	\$ 160,000.00	\$ 100,000.00	\$ 300,000.00	\$ 1,600,000.00