



REQUEST FOR COMMISSION ACTION
CITY OF INDEPENDENCE
December 12, 2019

Department Administration

Director Approval Kelly Passauer

AGENDA ITEM Consider authorizing the 5-year CIP for the Independence Municipal Airport to be submitted to the FAA.

SUMMARY RECOMMENDATION Authorize the CIP

BACKGROUND Each year the City submits an updated CIP (Capital Improvement Program) for FAA eligible projects at the Independence Municipal Airport. Staff has worked in conjunction with Matt Jacobs of Lochner to update the proposed CIP for Federal Fiscal Years 2021-2026. Please note that these are projects requested, however, there is no guarantee what projects the FAA will approve.

BUDGET IMPACT The cost would consist of the local share noted for each project which is indicated on the attachment. For larger projects additional funding can be applied for to assist with the local share through KDOT's aviation funding.

SUGGESTED MOTION(S) I move to authorize City staff to sign the proposed CIP and submit it to the FAA.

SUPPORTING DOCUMENTS Proposed CIP and attachments.

FEDERAL AVIATION ADMINISTRATION

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION – CENTRAL REGION

AIRPORT SPONSOR IDENTIFICATION SHEET

*** PLEASE ONLY SUBMIT IF YOU HAVE CHANGES FROM PREVIOUS YEAR ***

Airport Name:	Independence Municipal Airport
Airport Sponsor(s) Name:	City of Independence, Kansas
Contact Person:	Kelly Passauer
Title:	Assistant City Manager
Email Address:	KellyP@IndependenceKS.gov

Physical Mailing Address:	811 West Laurel Street
PO Box Office (if applicable):	Click here to enter text.
City:	Independence
State:	Kansas
Zip Code:	67301
Phone:	620-332-2506

U.S. Congressional District Number:	Four (4)
Tax Identification Number:	48-6042582
Dun and Bradstreet Number (DUNS):	073 031 411

You MUST have a current System for Award Management (SAM) registration to receive a grant.

Register at: <https://www.sam.gov>

Please email (pdf) your completed pre-application, CIP, Long-Range Needs Assessment, signed CIP Data Sheets, and all supporting documents to jason.knipp@faa.gov.

FEDERAL AVIATION ADMINISTRATION

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION – CENTRAL REGION

5-YEAR CIP**(Attach additional sheets if necessary)**

Airport Name, LOCID, City, State:	Independence Municipal Airport, IDP, Independence, KS		
Prepared By:	Lochner	Sponsor Email:	KellyP@IndependenceKS.gov
Date Prepared:	12/04/2019	Sponsor Signature	
Sponsor Phone:	620-332-2506	Printed Name:	Kelly Passauer

FY	Detailed Project/Scope Description	Fund Source	Amount
2021	Rehabilitate Taxiways B & D and Remark Apron to Mitigate Direct Connection to Runway 17-35	Federal	\$450,000
		State	\$
		Local	\$50,000
		Total	\$500,000
2022	Rehabilitate and Remark Terminal Apron	Federal	\$220,500
		State	\$
		Local	\$24,500
		Total	\$245,000
2022	Rehabilitate and Remark South Portion of Parallel Taxiway	Federal	\$221,400
		State	\$
		Local	\$24,600
		Total	\$246,000
2023	Seal Coat and Remark Connecting Taxiway C and North Portion of Parallel Taxiway	Federal	\$216,000
		State	\$
		Local	\$24,000
		Total	\$240,000
2024	Reconstruct Runway 17-35 (DESIGN)	Federal	\$360,000
		State	\$
		Local	\$ 40,000
		Total	\$400,000

FEDERAL AVIATION ADMINISTRATION

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION – CENTRAL REGION

LONG-RANGE NEEDS ASSESSMENT

Years 6 to 20

(Attach additional sheets if necessary)

Airport Name:	Independence Municipal Airport
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Estimated FY	Project Description	Fund Source	Amount
2025	Reconstruct Runway 17-35 (PAVING CONSTRUCTION)	Federal	\$ 6,300,000
		State	\$
		Local	\$ 700,000
		Total	\$ 7,000,000
2025	Reconstruct Runway 17-35 (ELECTRICAL CONSTRUCTION)	Federal	\$ 450,000
		State	\$
		Local	\$ 50,000
		Total	\$ 500,000
		Federal	\$
		State	\$
		Local	\$
		Total	\$
		Federal	\$
		State	\$
		Local	\$
		Total	\$
		Federal	\$
		State	\$
		Local	\$
		Total	\$
		Federal	\$
		State	\$
		Local	\$
		Total	\$

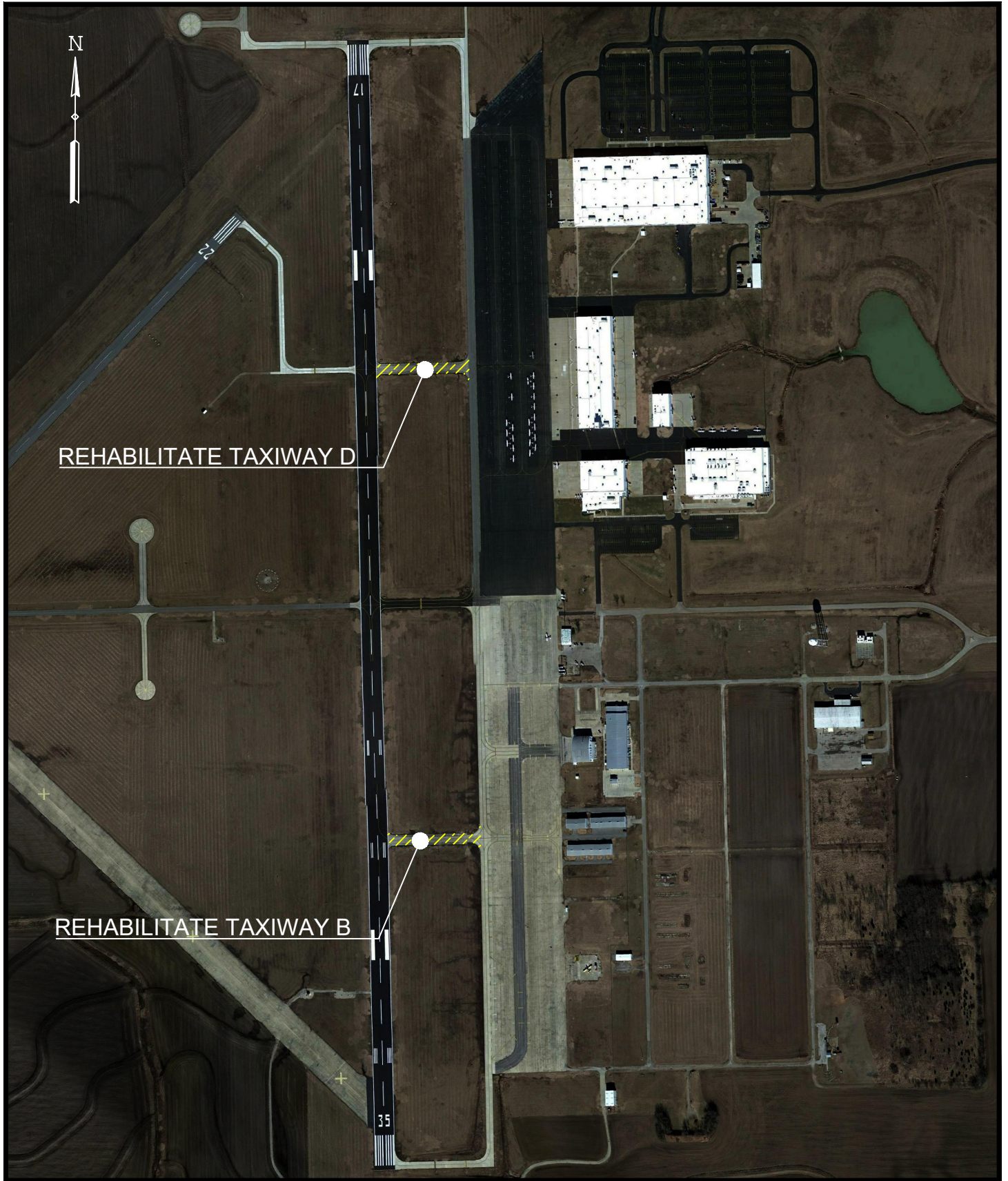
FEDERAL AVIATION ADMINISTRATION**CIP DATA SHEET**

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION - CENTRAL REGION

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	Independence Municipal Airport, IDP, Independence, KS		
AIP Project Type:	RE TW IM		
Local Priority:	1 - Very High	Federal Share:	\$ 450,000
FFY Requested:	2021	State Share:	\$
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$50,000
		Total Project Cost:	\$ 500,000
<p>This project will fund the rehabilitation of the existing Taxiways B and D needed to maintain the structural integrity of the concrete pavement. The existing sealant has deteriorated to the point where it is no longer providing adequate protection to the pavement joint. The Kansas Department of Transportation Airfield Pavement Condition Report, dated June 2019, lists the 2018 Pavement Condition Index (PCI) at an average of 56 for Taxiway B and 66 for Taxiway D. This same report also details a scenario where no airport pavements are maintained and how this affects PCIs. No pavement maintenance on the taxiways would lead to a projected PCI average of 46 and 59, respectively, in 2023. Performing the proposed pavement maintenance will maintain the PCI from deteriorating rapidly and will extend the useful life of the pavement. Additionally, the adjacent apron area must include applicable pavement markings as needed to eliminate a direct taxi connection to Runway 17-35. Adding these additional markings will increase airport safety by mitigating potential pilot error and increasing situational awareness while navigating the airport. Finally, new taxiway exit signs and apron designation signs will be installed on the taxiways to improve ground direction on the airfield, helping airport users understand better their location.</p>			
SPONSOR SIGNATURE BLOCK			
Signature:		Date:	
Printed Name:	Kelly Passauer	Title:	Assistant City Manager
Phone Number:	620-332-2506	Email:	KellyP@IndependenceKS.gov

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REHABILITATE TAXIWAYS B AND D

DESIGNED BY
IJW

CHECKED BY
MJJ

SCALE
NOT TO SCALE

DRAWING NAME
INDEPENDENCE MUNICIPAL AIRPORT

INDEPENDENCE MUNICIPAL AIRPORT INDEPENDENCE, KANSAS

ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST

December 4, 2019

Rehabilitate and Remark Taxiways B & D and Remark Adjacent Apron to Mitigate Direct Connection to Runway

I:\AVI\GENAIRPORTS\KANSAS\Independence (IDP)\ACIP DATA SHEET\FY2021\ACIP DOCS\CIP_Estimates_Independence.xlsx\Taxiway B and D

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	LOCAL COST (10%)	FAA COST (90%)	TOTAL
1	Mobilization	L.S.	1	\$ 47,750.00	\$ 4,775.00	\$ 42,975.00	\$ 47,750.00
2	Temporary Marking, Lighting and Barricades	L.S.	1	\$ 20,000.00	\$ 2,000.00	\$ 18,000.00	\$ 20,000.00
3	Cleaning, Widening, and Resealing of Existing Concrete Pavement Joints	L.F.	7,500	\$ 2.00	\$ 1,500.00	\$ 13,500.00	\$ 15,000.00
4	Full Depth Concrete Pavement Repair	S.Y.	700	\$ 300.00	\$ 21,000.00	\$ 189,000.00	\$ 210,000.00
5	Concrete Pavement Joint Spall Repair	S.F.	200	\$ 200.00	\$ 4,000.00	\$ 36,000.00	\$ 40,000.00
6	Pavement Marking Removal	S.F.	12,000	\$ 1.00	\$ 1,200.00	\$ 10,800.00	\$ 12,000.00
7	Reflectorized Pavement Markings	S.F.	6,500	\$ 1.50	\$ 975.00	\$ 8,775.00	\$ 9,750.00
8	Non-Reflectorized Pavement Markings	S.F.	5,500	\$ 1.00	\$ 550.00	\$ 4,950.00	\$ 5,500.00
9	Lighted Directional Signs	L.S.	1	\$ 20,000.00	\$ 2,000.00	\$ 18,000.00	\$ 20,000.00
TOTAL CONSTRUCTION COSTS (EST.)					\$ 38,000.00	\$ 342,000.00	\$ 380,000.00
ENGINEERING DESIGN AND CONSTRUCTION SERVICES (EST.)					\$ 12,000.00	\$ 108,000.00	\$ 120,000.00
TOTAL PROJECT COSTS (EST.)					\$ 50,000	\$ 450,000	\$ 500,000

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:	Independence Municipal Airport, IDP, Independence, KS		
AIP Project Type:	RE AP IM		
Local Priority:	1 - Very High	Federal Share:	\$ 220,500
FFY Requested:	2022	State Share:	\$
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$24,500
		Total Project Cost:	\$ 245,000
<p>This project will fund the rehabilitation of the existing terminal apron that was constructed in 1998 to maintain the structural integrity of the concrete pavement. The existing sealant has deteriorated to the point where it is no longer providing adequate protection to the pavement joint. The Kansas Department of Transportation Airfield Pavement Condition Report, dated June 2019, lists the 2018 Pavement Condition Index (PCI) at an average of 93 for the terminal apron. This same report also details a scenario where no airport pavements are maintained and how this affects PCIs. No pavement maintenance on the apron would lead to a projected average PCI of 86 in 2023. Performing the proposed pavement maintenance will maintain the PCI from deteriorating rapidly and will extend the useful life of the pavement.</p>			
SPONSOR SIGNATURE BLOCK			
Signature:		Date:	
Printed Name:	Kelly Passauer	Title:	Assistant City Manager
Phone Number:	620-332-2506	Email:	KellyP@IndependenceKS.gov

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REHABILITATE AND REMARK TERMINAL APRON

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IJW

CHECKED BY
MJJ

SCALE
NOT TO SCALE

DRAWING NAME
INDEPENDENCE MUNICIPAL AIRPORT

**INDEPENDENCE MUNICIPAL AIRPORT
INDEPENDENCE, KANSAS**

ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST

December 4, 2019

Rehabilitate and Remark Terminal Apron

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	LOCAL COST (10%)	FAA COST (90%)	TOTAL
1	Mobilization	L.S.	1	\$ 21,500.00	\$ 2,150.00	\$ 19,350.00	\$ 21,500.00
2	Temporary Marking, Lighting and Barricades	L.S.	1	\$ 15,000.00	\$ 1,500.00	\$ 13,500.00	\$ 15,000.00
3	Cleaning, Widening, and Resealing of Existing Concrete Pavement Joints	L.F.	30,000	\$ 2.00	\$ 6,000.00	\$ 54,000.00	\$ 60,000.00
4	Full Depth Concrete Pavement Repair	S.Y.	100	\$ 400.00	\$ 4,000.00	\$ 36,000.00	\$ 40,000.00
5	Concrete Pavement Joint Spall Repair	S.F.	100	\$ 200.00	\$ 2,000.00	\$ 18,000.00	\$ 20,000.00
6	Pavement Marking Removal	S.F.	2,500	\$ 1.00	\$ 250.00	\$ 2,250.00	\$ 2,500.00
7	Reflectorized Pavement Markings	S.F.	1,000	\$ 3.00	\$ 300.00	\$ 2,700.00	\$ 3,000.00
8	Non-Reflectorized Pavement Markings	S.F.	1,500	\$ 2.00	\$ 300.00	\$ 2,700.00	\$ 3,000.00
TOTAL CONSTRUCTION COSTS (EST.)					\$ 16,500.00	\$ 148,500.00	\$ 165,000.00
ENGINEERING DESIGN AND CONSTRUCTION SERVICES (EST.)					\$ 8,000.00	\$ 72,000.00	\$ 80,000.00
TOTAL PROJECT COSTS (EST.)					\$ 24,500	\$ 220,500	\$ 245,000

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:	Independence Municipal Airport, IDP, Independence, KS		
AIP Project Type:	RE TW IM		
Local Priority:	1 - Very High	Federal Share:	\$ 221,400
FFY Requested:	2022	State Share:	\$
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$24,600
		Total Project Cost:	\$ 246,000
<p>This project will fund the rehabilitation of the south portion of the parallel taxiway that was constructed in 2008 to maintain the structural integrity of the concrete pavement. The existing sealant is reaching a point where it is no longer providing adequate protection to the pavement joint. The Kansas Department of Transportation Airfield Pavement Condition Report, dated June 2019, lists the 2018 Pavement Condition Index (PCI) at an average of 100 for the south portion of the parallel taxiway. This same report also details a scenario where no airport pavement are maintained and how this affects PCIs. No pavement maintenance on the south portion of the parallel taxiway would lead to a projected average PCI of 96 in 2023. Performing the proposed pavement maintenance will maintain the PCI from deteriorating rapidly and will extend the useful life of the pavement.</p>			
SPONSOR SIGNATURE BLOCK			
Signature:		Date:	
Printed Name:	Kelly Passauer	Title:	Assistant City Manager
Phone Number:	620-332-2506	Email:	KellyP@IndependenceKS.gov

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REHABILITATE AND REMARK PARALLEL TAXIWAY

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MJJ

SCALE
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DRAWING NAME
INDEPENDENCE MUNICIPAL AIRPORT

INDEPENDENCE MUNICIPAL AIRPORT INDEPENDENCE, KANSAS

ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST

December 4, 2019

Rehabilitate and Remark South Portion of Parallel Taxiway

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	LOCAL COST (10%)	FAA COST (90%)	TOTAL
1	Mobilization	L.S.	1	\$ 21,000.00	\$ 2,100.00	\$ 18,900.00	\$ 21,000.00
2	Temporary Marking, Lighting and Barricades	L.S.	1	\$ 20,000.00	\$ 2,000.00	\$ 18,000.00	\$ 20,000.00
3	Cleaning, Widening, and Resealing of Existing Concrete Pavement Joints	L.F.	22,000	\$ 2.00	\$ 4,400.00	\$ 39,600.00	\$ 44,000.00
4	Full Depth Concrete Pavement Repair	S.Y.	100	\$ 400.00	\$ 4,000.00	\$ 36,000.00	\$ 40,000.00
5	Concrete Pavement Joint Spall Repair	S.F.	100	\$ 200.00	\$ 2,000.00	\$ 18,000.00	\$ 20,000.00
6	Pavement Marking Removal	S.F.	7,000	\$ 1.00	\$ 700.00	\$ 6,300.00	\$ 7,000.00
7	Reflectorized Pavement Markings	S.F.	2,500	\$ 2.00	\$ 500.00	\$ 4,500.00	\$ 5,000.00
8	Non-Reflectorized Pavement Markings	S.F.	4,500	\$ 2.00	\$ 900.00	\$ 8,100.00	\$ 9,000.00
TOTAL CONSTRUCTION COSTS (EST.)					\$ 16,600.00	\$ 149,400.00	\$ 166,000.00
ENGINEERING DESIGN AND CONSTRUCTION SERVICES (EST.)					\$ 8,000.00	\$ 72,000.00	\$ 80,000.00
TOTAL PROJECT COSTS (EST.)					\$ 24,600	\$ 221,400	\$ 246,000

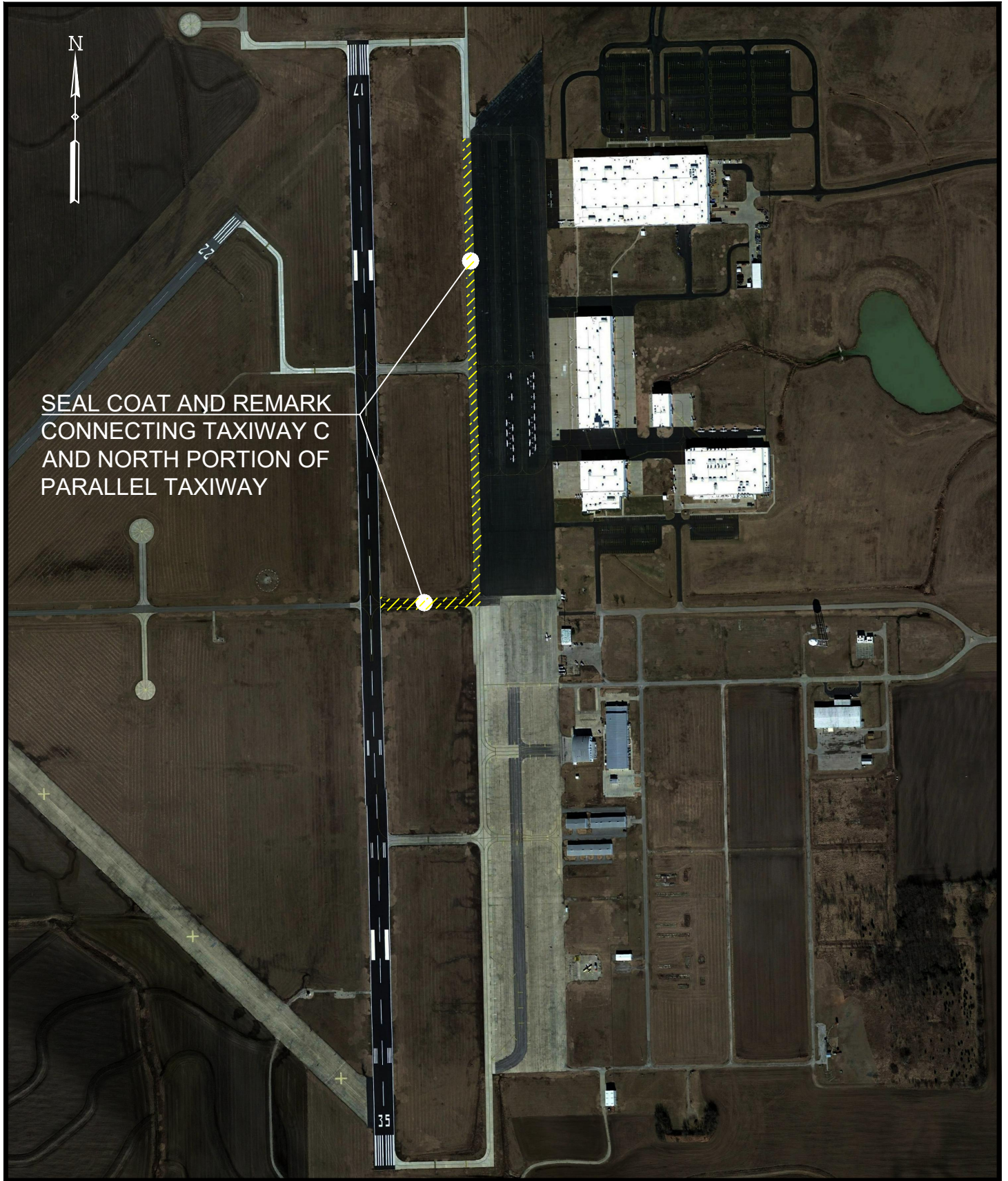
FEDERAL AVIATION ADMINISTRATION**CIP DATA SHEET**

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION - CENTRAL REGION

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	Independence Municipal Airport, IDP, Independence, KS		
AIP Project Type:	RE TW IM		
Local Priority:	1 - Very High	Federal Share:	\$ 216,000
FFY Requested:	2023	State Share:	\$
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$24,000
		Total Project Cost:	\$ 240,000
<p>This project will fund the rehabilitation, seal coat, and remark of connecting Taxiway C between Runway 17-35 and the parallel taxiway, as well as the northern portion of the parallel taxiway. The pavement was last overlaid in 2015 and is now in need of maintenance to maintain the structural integrity of the pavement. The Kansas Department of Transportation Airfield Pavement Condition Report, dated June 2019, lists the 2018 Pavement Condition Index (PCI) at an average of 85 for the identified portion of pavement. This same report also details a scenario where no airport pavement are maintained and how this affects PCIs. No pavement maintenance on the identified portion of pavement would lead to a projected average PCI of 73 in 2023. Performing the proposed pavement maintenance will maintain the PCI from deteriorating rapidly and will extend the useful life of the pavement.</p>			
SPONSOR SIGNATURE BLOCK			
Signature:		Date:	
Printed Name:	Kelly Passauer	Title:	Assistant City Manager
Phone Number:	620-332-2506	Email:	KellyP@IndependenceKS.gov

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SEAL COAT AND REMARK CONNECTING
TAXIWAY C AND NORTH PORTION
OF PARALLEL TAXIWAY

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IJW

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MJJ

SCALE
NOT TO SCALE

DRAWING NAME
INDEPENDENCE MUNICIPAL AIRPORT

INDEPENDENCE MUNICIPAL AIRPORT INDEPENDENCE, KANSAS

ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST

December 4, 2019

Seal Coat and Remark Connecting Taxiway C and North Portion of Parallel Taxiway

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	LOCAL COST (10%)	FAA COST (90%)	TOTAL
1	Mobilization	L.S.	1	\$ 32,500.00	\$ 3,250.00	\$ 29,250.00	\$ 32,500.00
2	Temporary Marking, Lighting and Barricades	L.S.	1	\$ 20,000.00	\$ 2,000.00	\$ 18,000.00	\$ 20,000.00
3	Pavement Marking Removal	S.F.	15,000	\$ 1.00	\$ 1,500.00	\$ 13,500.00	\$ 15,000.00
4	Temporary Pavement Marking	S.F.	5,500	\$ 2.00	\$ 1,100.00	\$ 9,900.00	\$ 11,000.00
5	Reflectorized Pavement Marking	S.F.	5,500	\$ 2.50	\$ 1,375.00	\$ 12,375.00	\$ 13,750.00
6	Non-Reflectorized Pavement Marking	S.F.	9,500	\$ 2.00	\$ 1,900.00	\$ 17,100.00	\$ 19,000.00
7	Clean and Seal Joints and Cracks	L.F.	7,500	\$ 2.00	\$ 1,500.00	\$ 13,500.00	\$ 15,000.00
8	Pavement Friction Seal Coat and Surface Treatment	S.Y.	13,500	\$ 2.50	\$ 3,375.00	\$ 30,375.00	\$ 33,750.00
TOTAL CONSTRUCTION COSTS (EST.)					\$ 16,000.00	\$ 144,000.00	\$ 160,000.00
ENGINEERING DESIGN AND CONSTRUCTION SERVICES (EST.)					\$ 8,000.00	\$ 72,000.00	\$ 80,000.00
TOTAL PROJECT COSTS (EST.)					\$ 24,000	\$ 216,000	\$ 240,000