



November 20, 2018

Office of Aviation
Attn: ACIP Updates
2829 W. Dublin-Granville Rd.
Columbus, OH 43235

RE: Toledo Express ACIP Update – 2020-2029
Toledo Executive ACIP Update – 2020-2029

Dear Mr. Bryant:

Please find in this packet the updated ACIP plans of Toledo Express Airport (TOL) and Toledo Executive Airport (TDZ) for fiscal years 2020-2029, respectively. Please refer to the attachments provided for both airports along with the sketches that show the projects requesting funding.

Respectfully submitted,

TOLEDO-LUCAS COUNTY PORT AUTHORITY

Todd M. Audet, PE
Vice President Planning, Engineering and Operations

TMA/ama

Cc: Ms. Michelle King, Program Manager
Airports District Office
Federal Aviation Administration
11677 South Wayne Rd., Ste. 107
Romulus, MI 48174

► TOLEDO EXPRESS AIRPORT

▲ 11013 Airport Highway | Box 11 | Swanton, OH 43558
T 419 865 2351 F 419 867 8245
w toledoexpress.com

ELEVEN YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP) FY-20 TO FY-29
 "ATTACHMENT A"



AIRPORT NAME:	TOLEDO EXPRESS	STATE:	OHIO	DATE PREPARED:	November 19, 2018
ASSOCIATED CITY:	SWANTON, OHIO	NPIAS NUMBER:	390079	PREPARED BY:	TLCPA
SPONSOR:	TLCPA	LOCAL IDENTIFICATION:	TOLEDO EXPRESS	TELEPHONE NUMBER:	419.865.2351
AIRPORT ID:	KTOL	CONGRESSIONAL DISTRICT:	5th		

Item Number	Project Description	FAA Fiscal Year	Total Cost	Entitlement	Apportionment	Discretionary	State Non-FAA	Local Funds			Remarks/Item Justification
								PFC	Other		
2019-1	Rehabilitate Taxiway N - North of RW 725 - Construct	2019	\$ 2,035,000	\$ 1,631,500				\$ 203,500			
2019-2	Rehabilitate Taxiway B - West of RW 1634 and TW B6 Col	2019	\$ 2,378,000	\$ 2,140,200				\$ 237,800			
	Subtotal:		\$ 4,413,000	\$ 3,771,700				\$ 441,300			
2020-1	Remove Obstructions - Design / Construct	2020	\$ 200,000	\$ 180,000				\$ 20,000			
2020-2	Rehabilitate Taxiway D - Design	2020	\$ 419,000	\$ 377,100				\$ 41,900			
	Subtotal:		\$ 619,000	\$ 557,100				\$ 61,900			
2021-1	Rehabilitate Taxiway D Phase 1 - Construct	2021	\$ 4,485,500	\$ 2,042,900	\$ 1,994,050			\$ 448,550			
	Subtotal:		\$ 4,485,500	\$ 2,042,900	\$ 1,994,050			\$ 448,550			
2022-1	Rollover Entitlements	2022	\$ -	\$ -				\$ -			
2023-1	Rehabilitate Taxiway D Phase 2 - Construct	2023	\$ 4,485,500	\$ 2,600,000	\$ 1,436,950			\$ 448,550			
	Subtotal:		\$ 5,282,500	\$ 3,317,300	\$ 1,436,950			\$ 448,550	\$ 79,700		
2024-1	Rehabilitate GA Apron - Design	2024	\$ 160,000	\$ 144,000				\$ 10,000			
2024-2	Terminal Building Study	2024	\$ 100,000	\$ 90,000				\$ 250,000			
2024-3	Construct Aircraft Rescue and Fire Fighting Building - Desig	2024	\$ 2,500,000	\$ 2,250,000				\$ 260,000			
	Subtotal:		\$ 2,760,000	\$ 2,484,000				\$ 260,000	\$ 16,000		
2025-1	Rehabilitation of GA Apron - Construct	2025	\$ 2,450,000	\$ 2,205,000				\$ 1,800,000			
2025-2	Replace Passenger Boarding Bridge - Design / Construct	2025	\$ 1,800,000	\$ -				\$ 50,000			
2025-3	Terminal Passenger Screening Upgrades - Design	2025	\$ 500,000	\$ 450,000				\$ 1,850,000	\$ 245,000		
	Subtotal:		\$ 4,750,000	\$ 2,655,000				\$ 300,000	\$ 78,700		
2026-1	Terminal Passenger Screening Upgrades - Construct	2026	\$ 3,000,000	\$ 2,700,000				\$ 300,000			
2026-2	Rehabilitation of Cargo Apron - Design / Construct	2026	\$ 797,000	\$ 717,300				\$ 300,000			
	Subtotal:		\$ 3,797,000	\$ 3,417,300				\$ 300,000	\$ 79,700		
2027-1	Rwy 7 CAT II-SP Approach Upgrades - Design	2027	\$ 80,000	\$ 72,000				\$ 8,000			
2027-2	Rwy 7 CAT II-SP Approach Upgrades - Reimbursable Agree	2027	\$ 100,000	\$ 90,000				\$ 1,800,000			
	Subtotal:		\$ 180,000	\$ 162,000				\$ 1,808,000			
2028-1	Rwy 7 CAT II-SP Approach Upgrades - Construct	2028	\$ 1,000,000	\$ 900,000				\$ 100,000			
	Subtotal:		\$ 1,000,000	\$ 900,000				\$ 100,000			
2029-1	Construct West Perimeter Road - Design / Construct	2029	\$ 550,000	\$ 495,000				\$ 55,000			
2029-2	Construct Wildlife Fence - Part 139 - Design / Construct	2029	\$ 550,000	\$ 495,000				\$ 55,000			
2029-3	Construct Drainage Improvements - Part 139 - Design / Col	2029	\$ 550,000	\$ 495,000				\$ 55,000			
	Subtotal:		\$ 1,650,000	\$ 1,485,000				\$ 165,000			
			Total Cost for 10-Year ACIP	\$ 23,727,000	\$ 16,303,300	\$ 3,431,000		\$ 5,442,000	\$ 340,700		



Attachment "B"

Capital Improvement Plan Checklist

Airport Name: Toledo Express Airport

Location: Swanton, Ohio

Project Description: Remove Obstructions - Design / Construct

ALP Approval Date: 12/12/2007

Project Point of Contact: Stephen L. Arnold

Airport Sponsor: Toledo-Lucas County Port Authority

Project Consultant: RS&H

Total Cost of the project and anticipated funding sources

Total Cost: \$200,000

Funding Sources/Breakdown:

Entitlements	State Apportionment	Discretionary	State (non-FAA)	Local	Other
\$180,000				\$ 20,000	

Financial Plan Required? YES NO

Project on approved ALP? YES NO

Airport Design Standards

Status of RSA's as it relates to the project/Meets Standards? YES NO

Status of RPZ as it relates to the project/Meets Standards? YES NO

Modification of design standards/Any requested? YES NO

Complete and attach the following:

Preliminary environmental checklist for CIP Projects YES NO

Project Justification/Narrative YES NO

Sketch (please label project) YES NO

Stephen L. Arnold 28 NOV 18

Airport Sponsor Signature and Date

Attachment "C"

Preliminary NEPA Checklist for CIP Projects

Directions - Complete this checklist as a part of the CIP Package. This Checklist is not a Categorical Exclusion or environmental clearance to do the project. It is a planning tool to assist the airport in determining the appropriate level of documentation needed for each project. The checklist must be filled out for each proposed project for FY 2020, FY 2021, and FY 2022.

FAA Order 1050.1E and 5050.4B and PPM 5050.20 should be consulted for specific project types and a list of extraordinary circumstances that need to be reviewed. If extraordinary circumstances are present, contact your ADO representative for further guidance.

Airport Name: Toledo Express Airport

Project Description: Remove Obstructions - Design / Construct

Is the project one of the following?

- | | |
|---|--|
| <input type="checkbox"/> Planning/Environmental Documentation | <input type="checkbox"/> Equipment Acquisition |
| <input type="checkbox"/> NEM/NCP preparation | <input type="checkbox"/> Instrumentation/NAVAIDS |

Reference: FAA Order 1050.1E, paragraph

If you checked one of the projects above then STOP. The FAA-Detroit ADO will complete a Categorical Exclusion memo per Policy and Procedures Memorandum 5050.20.

Is the project one of the following?

- | |
|--|
| <input type="checkbox"/> Land Acquisition |
| <input checked="" type="checkbox"/> Repair, replacement, maintenance, upgrading of grounds, infrastructure, buildings, structures, or facilities |

Reference: FAA Order 1050.1E, paragraph 310

If you checked one of the projects above, then you will need to prepare a CATEX Long Form as provided in PPM 5050.20. It is due to the FAA-Detroit ADO by October 30 of the fiscal year requesting funding. All documentation, agency coordination, any required Federal or state laws, regulations, and policies must be adhered to.

Attachment "D"

PROGRAMMING WORK ITEM SHEET

Funding year : 2020

Item Description : Remove Obstructions - Design / Construct

(one item per sheet)

*Cost Estimate :	FAA Share	\$	180,000
	Discretionary		
	Local Share	\$	20,000
	Total Cost	\$	200,000

*(include all related costs; construction, engineering, testing, inspection, administrative, etc.)

Justification:

The existing runway 16-34 obstruction survey depicts a number of obstructions to the existing FAR Part 77 surfaces. This project will remove the existing obstructions. This portion of the project includes design and construction of the obstruction removals.

LOCATION: Toledo Express Airport

RS&H Ohio, Inc.

Date Prepared:

12/15/15

PROJECT DESCRIPTION:

Remove Obstructions - Runway 16-34

Prepared By: AMA

PRELIMINARY PROJECT COST ESTIMATE

File Name: 2011-12-07-TOL-ECC

WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<u>Remove Obstructions - Runway 16-34</u>				
Mobilization and General Conditions	LSUM	1	\$ 10,000.00	\$ 10,000.00
Safety and Security	LSUM	1	\$ 5,000.00	\$ 5,000.00
Layout and Survey Verification	LSUM	1	\$ 10,000.00	\$ 10,000.00
Remove Tree - 0-24" Dia	EACH	20	\$2,000.00	\$ 40,000.00
Remove Tree - 24- 36" Dia	EACH	10	\$3,000.00	\$ 30,000.00
Remove Tree - 36" to Larger Dia	EACH	10	\$4,000.00	\$ 40,000.00
Restoration	LSUM	1	\$10,000.00	\$ 10,000.00
Subtotal				\$ 145,000.00
10% Contingency				\$ 14,500.00
Total Preliminary Construction Cost				<u>\$ 159,500.00</u>
PROFESSIONAL SERVICES				
Design Services	LSUM	1	\$15,000.00	\$20,000.00
Construction Services	LSUM	1	\$15,000.00	\$15,000.00
TOTAL ESTIMATED PROJECT COST				\$ 200,000.00



Attachment "B"

Capital Improvement Plan Checklist

Airport Name: Toledo Express Airport

Location: Swanton, Ohio

Project Description: Rehabilitate Taxiway D - Design

ALP Approval Date: 12/12/2007

Project Point of Contact: Stephen L. Arnold

Airport Sponsor: Toledo-Lucas County Port Authority

Project Consultant: RS&H

Total Cost of the project and anticipated funding sources

Total Cost: \$419,000

Funding Sources/Breakdown:

Entitlements	State Apportionment	Discretionary	State (non-FAA)	Local	Other
\$377,100				\$41,900.00	

Financial Plan Required? YES NO

Project on approved ALP? YES NO

Airport Design Standards

Status of RSA's as it relates to the project/Meets Standards? YES NO

Status of RPZ as it relates to the project/Meets Standards? YES NO

Modification of design standards/Any requested? YES NO

Complete and attach the following:

Preliminary environmental checklist for CIP Projects YES NO

Project Justification/Narrative YES NO

Sketch (please label project) YES NO

Stephen L. Arnold 28 Nov 18

Airport Sponsor Signature and Date

Attachment "C"

Preliminary NEPA Checklist for CIP Projects

Directions - Complete this checklist as a part of the CIP Package. This Checklist is not a Categorical Exclusion or environmental clearance to do the project. It is a planning tool to assist the airport in determining the appropriate level of documentation needed for each project. The checklist must be filled out for each proposed project for FY 2020, FY 2021, and FY 2022.

FAA Order 1050.1E and 5050.4B and PPM 5050.20 should be consulted for specific project types and a list of extraordinary circumstances that need to be reviewed. If extraordinary circumstances are present, contact your ADO representative for further guidance.

Airport Name: Toledo Express Airport

Project Description: Rehabilitate Taxiway D - Design

Is the project one of the following?

- | | |
|---|--|
| <input type="checkbox"/> Planning/Environmental Documentation | <input type="checkbox"/> Equipment Acquisition |
| <input type="checkbox"/> NEM/NCP preparation | <input type="checkbox"/> Instrumentation/NAVAIDS |

Reference: FAA Order 1050.1E, paragraph

If you checked one of the projects above then STOP. The FAA-Detroit ADO will complete a Categorical Exclusion memo per Policy and Procedures Memorandum 5050.20.

Is the project one of the following?

- | |
|---|
| <input type="checkbox"/> Land Acquisition |
| <input checked="" type="checkbox"/> Repair, replacement, maintenance, upgrading of grounds, infrastructure, buildings, structures , or facilities |

Reference: FAA Order 1050.1E, paragraph 310

If you checked one of the projects above, then you will need to prepare a CATEX Long Form as provided in PPM 5050.20. It is due to the FAA-Detroit ADO by October 30 of the fiscal year requesting funding. All documentation, agency coordination, any required Federal or state laws, regulations, and policies must be adhered to.

Attachment "D"

PROGRAMMING WORK ITEM SHEET

Funding year : 2020

Item Description : Rehabilitate Taxiway D - Design

(one item per sheet)

*Cost Estimate :	FAA Share	\$	377,100
	Discretionary		
	Local Share	\$	41,900
	Total Cost	\$	419,000

*(include all related costs; construction, engineering, testing, inspection, administrative, etc.)

Justification:

This is the construction phase of the Rehabilitation of the Phase 1 of Taxiway D. The existing pavements are exhibiting medium to high severity cracking and have PCI ratings in the 70s. This value suggests a rehabilitation is required to extend the pavement life and avoid FOD issues

LOCATION: Toledo Express Airport
PROJECT DESCRIPTION: Rehabilitate Taxiway D (RW 25 to RW 1634 / RW 1634 to D9 / D11 to RW 7)
 RS&H Ohio, Inc.
 Date Prepared: 10/24/18
 Prepared By: AMA

PRELIMINARY PROJECT COST ESTIMATE File Name: 2014-12-02- TOL ACIP

WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Rehabilitate Taxiway D (RW 25 to RW 1634 / RW 1634 to D9 / D11 to RW 7)				
Mobilization and General Conditions	LSUM	1	\$ 250,000.00	\$250,000.00
Safety and Security	LSUM	1	\$ 100,000.00	\$100,000.00
Project Survey and Stakeout	LSUM	1	\$ 75,000.00	\$75,000.00
Cold Mill Asphalt Pavement - 4" Depth	SYD	141,506	\$ 10.00	\$1,415,059.33
Unclassified Excavation	CYD	3,349	\$ 15.00	\$50,238.61
Bituminous Surface Course (4")	TON	46,213	\$ 100.00	\$4,621,336.91
Bituminous Tack Coat	GAL	198,802	\$ 2.00	\$397,603.60
Pavement Marking - Yellow	SF	40,000	\$ 1.00	\$40,000.00
Pavement Marking - Black	SF	70,000	\$ 1.00	\$70,000.00
Pavement Marking - Temporary	SF	40,000	\$ 1.50	\$60,000.00
Painted Pavement Marking - Surface Painted Hold Signs	EA	20	\$ 2,500.00	\$50,000.00
Remove and Reset Existing Edge Light	EA	400	\$ 1,000.00	\$400,000.00
Topsoil from Off the Site	CY	3,349	\$ 20.00	\$66,984.81
Restoration	AC	5.93	\$ 3,000.00	\$17,794.08
Subtotal				\$7,614,017.35
10% Contingency				\$ 761,401.73
Total Preliminary Construction Cost				\$ 8,375,419.08
PROFESSIONAL SERVICES				
Design Services	LSUM	1	\$419,000.00	\$419,000.00
Construction Services	LSUM	1	\$587,000.00	\$587,000.00
TOTAL ESTIMATED PROJECT COST				\$9,390,000.00



Attachment "B"

Capital Improvement Plan Checklist

Airport Name: Toledo Express Airport

Location: Swanton, Ohio

Project Description: Rehabilitate Taxiway D Phase 1 - Construct

ALP Approval Date: 12/12/2007

Project Point of Contact: Stephen L. Arnold

Airport Sponsor: Toledo-Lucas County Port Authority

Project Consultant: RS&H

Total Cost of the project and anticipated funding sources

Total Cost: \$4,485,500

Funding Sources/Breakdown:

Table with 6 columns: Entitlements, State Apportionment, Discretionary, State (non-FAA), Local, Other. Values: \$2,042,900, \$1,994,050, \$448,550.

Financial Plan Required? [X] YES [] NO

Project on approved ALP? [X] YES [] NO

Airport Design Standards

Status of RSA's as it relates to the project/Meets Standards? [X] YES [] NO

Status of RPZ as it relates to the project/Meets Standards? [X] YES [] NO

Modification of design standards/Any requested? [] YES [X] NO

Complete and attach the following:

Preliminary environmental checklist for CIP Projects [X] YES [] NO

Project Justification/Narrative [X] YES [] NO

Sketch (please label project) [X] YES [] NO

Handwritten signature and date: 28 NOV 18

Airport Sponsor Signature and Date

Attachment "C"

Preliminary NEPA Checklist for CIP Projects

Directions - Complete this checklist as a part of the CIP Package. This Checklist is not a Categorical Exclusion or environmental clearance to do the project. It is a planning tool to assist the airport in determining the appropriate level of documentation needed for each project. The checklist must be filled out for each proposed project for FY 2020, FY 2021, and FY 2022.

FAA Order 1050.1E and 5050.4B and PPM 5050.20 should be consulted for specific project types and a list of extraordinary circumstances that need to be reviewed. If extraordinary circumstances are present, contact your ADO representative for further guidance.

Airport Name: Toledo Express Airport

Project Description: Rehabilitate Taxiway D Phase 1 - Construct

Is the project one of the following?

- | | |
|---|--|
| <input type="checkbox"/> Planning/Environmental Documentation | <input type="checkbox"/> Equipment Acquisition |
| <input type="checkbox"/> NEM/NCP preparation | <input type="checkbox"/> Instrumentation/NAVAIDS |

Reference: FAA Order 1050.1E, paragraph

If you checked one of the projects above then STOP. The FAA-Detroit ADO will complete a Categorical Exclusion memo per Policy and Procedures Memorandum 5050.20.

Is the project one of the following?

- | |
|---|
| <input type="checkbox"/> Land Acquisition |
| <input checked="" type="checkbox"/> Repair, replacement, maintenance, upgrading of grounds, infrastructure, buildings, structures , or facilities |

Reference: FAA Order 1050.1E, paragraph 310

If you checked one of the projects above, then you will need to prepare a CATEX Long Form as provided in PPM 5050.20. It is due to the FAA-Detroit ADO by October 30 of the fiscal year requesting funding. All documentation, agency coordination, any required Federal or state laws, regulations, and policies must be adhered to.

Attachment "D"

PROGRAMMING WORK ITEM SHEET

Funding year : 2021

Item Description : Rehabilitate Taxiway D Phase 1 - Construct

(one item per sheet)

*Cost Estimate :	FAA Share	\$	4,036,950
	Discretionary		
	Local Share	\$	448,550
	Total Cost	\$	4,485,500

*(include all related costs; construction, engineering, testing, inspection, administrative, etc.)

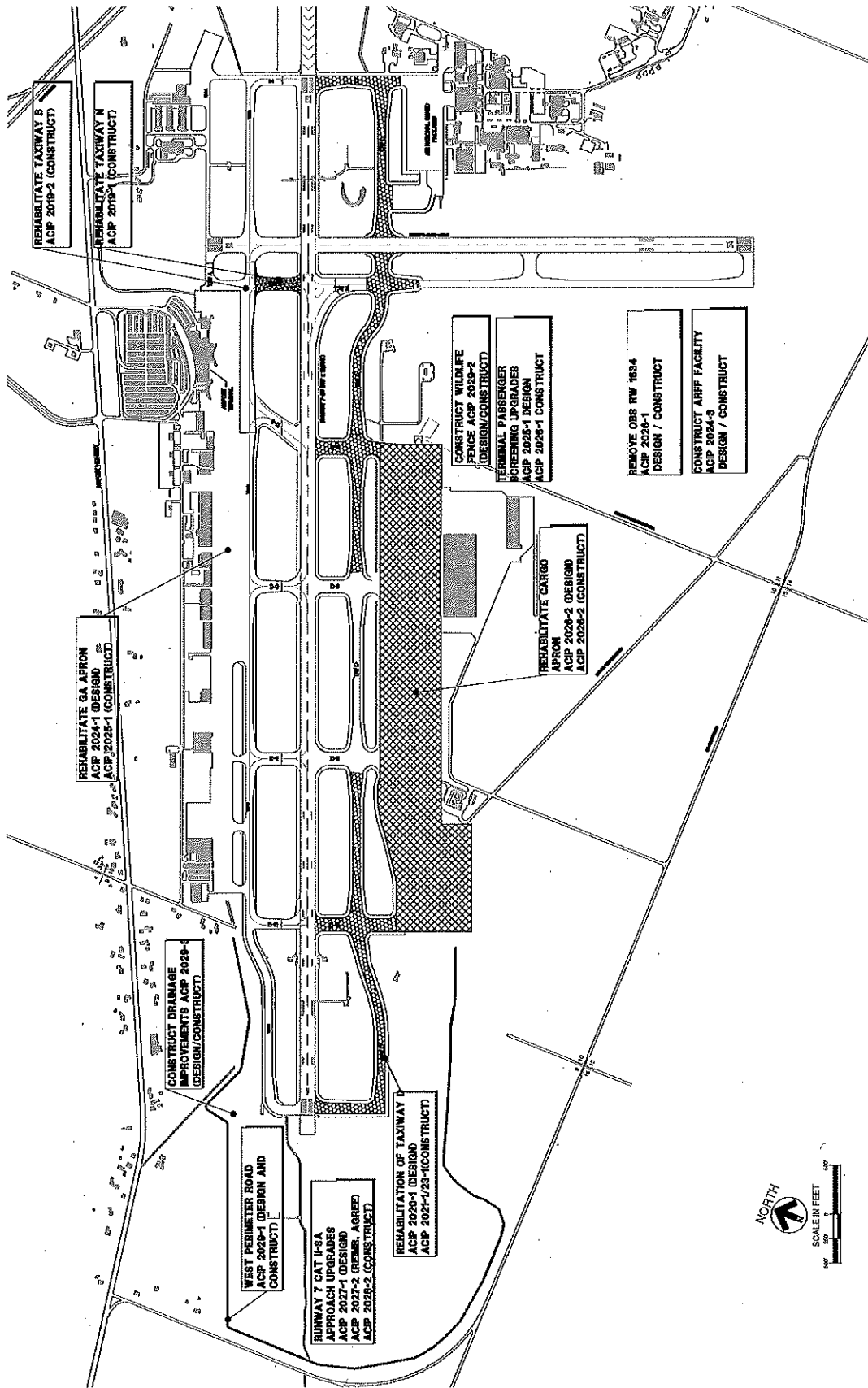
Justification:

This is the construction phase of the Rehabilitation of the Phase 1 of Taxiway D. The existing pavements are exhibiting medium to high severity cracking and have PCI ratings in the 70s. This value suggests a rehabilitation is required to extend the pavement life and avoid FOD issues

LOCATION: Toledo Express Airport
PROJECT DESCRIPTION: Rehabilitate Taxiway D (RW 25 to RW 1634 / RW 1634 to D9 / D11 to RW 7)
 RS&H Ohio, Inc.
 Date Prepared: 10/24/18
 Prepared By: AMA

PRELIMINARY PROJECT COST ESTIMATE File Name: 2014-12-02- TOL ACIP

WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Rehabilitate Taxiway D (RW 25 to RW 1634 / RW 1634 to D9 / D11 to RW 7)				
Mobilization and General Conditions	LSUM	1	\$ 250,000.00	\$250,000.00
Safety and Security	LSUM	1	\$ 100,000.00	\$100,000.00
Project Survey and Stakeout	LSUM	1	\$ 75,000.00	\$75,000.00
Cold Mill Asphalt Pavement - 4" Depth	SYD	141,506	\$ 10.00	\$1,415,059.33
Unclassified Excavation	CYD	3,349	\$ 15.00	\$50,238.61
Bituminous Surface Course (4")	TON	46,213	\$ 100.00	\$4,621,336.91
Bituminous Tack Coat	GAL	198,802	\$ 2.00	\$397,603.60
Pavement Marking - Yellow	SF	40,000	\$ 1.00	\$40,000.00
Pavement Marking - Black	SF	70,000	\$ 1.00	\$70,000.00
Pavement Marking - Temporary	SF	40,000	\$ 1.50	\$60,000.00
Painted Pavement Marking - Surface Painted Hold Signs	EA	20	\$ 2,500.00	\$50,000.00
Remove and Reset Existing Edge Light	EA	400	\$ 1,000.00	\$400,000.00
Topsoil from Off the Site	CY	3,349	\$ 20.00	\$66,984.81
Restoration	AC	5.93	\$ 3,000.00	\$17,794.08
Subtotal				\$7,614,017.35
10% Contingency				\$ 761,401.73
Total Preliminary Construction Cost				\$ 8,375,419.08
PROFESSIONAL SERVICES				
Design Services	LSUM	1	\$419,000.00	\$419,000.00
Construction Services	LSUM	1	\$587,000.00	\$587,000.00
TOTAL ESTIMATED PROJECT COST				\$9,390,000.00



AMA
AMA
AMA

DEVELOPMENT PLAN
ACIP
FY 2020-2029

EXHIBIT 1

REHABILITATE GA APRON
ACIP 2024-1 (DESIGN)
ACIP 2023-1 (CONSTRUCT)

CONSTRUCT DRAINAGE
IMPROVEMENTS ACIP 2023-4
(DESIGN/CONSTRUCT)

WEST PERIMETER ROAD
ACIP 2023-1 (DESIGN AND
CONSTRUCT)

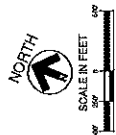
RUNWAY 7 CAT B-SA
APPROACH UPGRADES
ACIP 2027-1 (DESIGN)
ACIP 2027-2 (REME. AGREED)
ACIP 2029-2 (CONSTRUCT)

REHABILITATION OF TAXIWAY
ACIP 2020-1 (DESIGN)
ACIP 2021-1/23-1 (CONSTRUCT)


REHABILITATE CARGO
APRON
ACIP 2023-2 (DESIGN)
ACIP 2024-2 (CONSTRUCT)

CONSTRUCT WILDLIFE
FENCE ACIP 2023-2
(DESIGN/CONSTRUCT)
TERMINAL PASSENGER
SCREENING UPGRADES
ACIP 2023-1 DESIGN
ACIP 2023-1 CONSTRUCT

REMOVE OBS RW 1634
ACIP 2023-1
DESIGN / CONSTRUCT
CONSTRUCT AIRFF FACILITY
ACIP 2024-3
DESIGN / CONSTRUCT



**ELEVEN YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP) FY-20 TO FY-29
"ATTACHMENT A"**

		AIRPORT NAME:	TOLEDO EXECUTIVE	STATE:	OHIO	DATE PREPARED:	November 19, 2018			
		ASSOCIATED CITY:	MILLBURY, OHIO	NPIAS NUMBER:	380078	PREPARED BY:	TLCPA			
		SPONSOR:	TLCPA	LOCAL IDENTIFICATION:	TOLEDO EXECUTIVE	TELEPHONE NUMBER:	419.865.2351			
		AIRPORT ID:	KTDZ	CONGRESSIONAL DISTRICT:	9th					
Item Number	Project Description	FAA Fiscal Year	Total Cost	Entitlement	Apportionment	Discretionary	State Non-FAA	PFC	Other	Remarks/Item Justification
2019-1	Rehabilitate Taxiways - Design	2019	\$ 50,000	\$ 45,000			\$ 2,500		\$ 2,500	
2019-2	Construct Taxiway - Construct	2019	\$ 270,909	\$ 243,818			\$ 13,545		\$ 13,545	
	Subtotal:		\$ 320,909	\$ 288,818			\$ 16,045		\$ 16,045	
2020-1	RSA Improvements - Design / Construct	2020	\$ 2,860,000	\$ 150,000	\$ 2,424,000		\$ 143,000		\$ 143,000	
2021-1	Rehabilitate Taxiways - Construct	2021	\$ 460,000	\$ 414,000	\$ 2,424,000		\$ 23,000		\$ 23,000	
2022-1	Roll Over Entitlements	2022	\$ -	\$ -			\$ -		\$ -	
2023-1	Roll Over Entitlements	2023	\$ -	\$ -			\$ -		\$ -	
2024-1	Rehabilitate Runway 14-32 - Design	2024	\$ 150,000	\$ 135,000			\$ 7,500		\$ 7,500	
2025-1	Roll Over Entitlements	2025	\$ -	\$ -			\$ -		\$ -	
2026-1	Rehabilitate Runway 14-32 - Construction	2026	\$ 2,500,000	\$ 485,000	\$ 1,785,000		\$ 125,000		\$ 125,000	
2027-1	Wildlife Fencing - Design	2027	\$ 81,000	\$ 72,900	\$ 1,785,000		\$ 4,050		\$ 4,050	
2028-1	Wildlife Fencing - Construction - Phase 1	2028	\$ -	\$ -			\$ -		\$ -	
2029-1	Wildlife Fencing - Construction - Phase 2	2029	\$ 500,000	\$ 450,000			\$ 25,000		\$ 25,000	
	Subtotal:		\$ 500,000	\$ 450,000			\$ 25,000		\$ 25,000	
Total Cost for 10-Year ACIP			\$ 6,551,000	\$ 1,686,900	\$ 4,209,000		\$ 327,550		\$ 327,550	



Attachment "B"

Capital Improvement Plan Checklist

Airport Name: TOLEDO EXECUTIVE

Location: MILLBURY, OHIO

Project Description: RSA Improvements - Design / Construct

ALP Approval Date: Nov-11

Project Point of Contact: Steve Arnold

Airport Sponsor: TLCPA

Project Consultant: RS&H

Total Cost of the project and anticipated funding sources

Total Cost: \$ 2,860,000

Funding Sources/Breakdown:

Entitlements	State Apportionment	Discretionary	State (non-FAA)	Local	Other
\$ 150,000	\$ 2,424,000		\$ 143,000	\$ 143,000	

Financial Plan Required? YES NO

Project on approved ALP? YES NO

Airport Design Standards

Status of RSA's as it relates to the project/Meets Standards? YES NO

Status of RPZ as it relates to the project/Meets Standards? YES NO

Modification of design standards/Any requested? YES NO

Complete and attach the following:

Preliminary environmental checklist for CIP Projects YES NO

Project Justification/Narrative YES NO

Sketch (please label project) YES NO

Steve Arnold 28 NOV 11

Airport Sponsor Signature and Date

Attachment "C"

Preliminary NEPA Checklist for CIP Projects

Directions - Complete this checklist as a part of the CIP Package. This Checklist is not a Categorical Exclusion or environmental clearance to do the project. It is a planning tool to assist the airport in determining the appropriate level of documentation needed for each project. The checklist must be filled out for each proposed project for FY 2020, FY 2021, and FY 2022.

FAA Order 1050.1E and 5050.4B and PPM 5050.20 should be consulted for specific project types and a list of extraordinary circumstances that need to be reviewed. If extraordinary circumstances are present, contact your ADO representative for further guidance.

Airport Name: TOLEDO EXECUTIVE

Project Description: RSA Improvements - Design / Construct

Is the project one of the following?

- | | |
|---|--|
| <input type="checkbox"/> Planning/Environmental Documentation | <input type="checkbox"/> Equipment Acquisition |
| <input type="checkbox"/> NEM/NCP preparation | <input type="checkbox"/> Instrumentation/NAVAIDS |

Reference: FAA Order 1050.1E, paragraph

If you checked one of the projects above then STOP. The FAA-Detroit ADO will complete a Categorical Exclusion memo per Policy and Procedures Memorandum 5050.20.

Is the project one of the following?

- | |
|---|
| <input type="checkbox"/> Land Acquisition |
| <input checked="" type="checkbox"/> Repair, replacement, maintenance, upgrading of grounds, infrastructure, buildings, structures , or facilities |

Reference: FAA Order 1050.1E, paragraph 310

If you checked one of the projects above, then you will need to prepare a CATEX Long Form as provided in PPM 5050.20. It is due to the FAA-Detroit ADO by October 30 of the fiscal year requesting funding. All documentation, agency coordination, any required Federal or state laws, regulations, and policies must be adhered to.

Attachment "D"

PROGRAMMING WORK ITEM SHEET

Funding year : 2020

Item Description : RSA Improvements - Design / Construct

(one item per sheet)

*Cost Estimate :	FAA Share	\$	2,574,000
	Local Share	\$	286,000
	Total Cost	\$	<u>2,860,000</u>

*(include all related costs; construction, engineering, testing, inspection, administrative, etc.)

Justification:

This project includes the design and construction for RSA Improvements at the airport. The project includes removal of abandoned pavements in the runway safety area, rehabilitation of the terminal apron and taxiway. The project will improve safety at the airport.

LOCATION: TOLEDO EXECUTIVE AIRPORT



PROJECT DESCRIPTION:

Rehabilitate Apron

RS&H

Date Prepared: 03/26/2018

Prepared By: AMA

Preliminary Engineer's Estimate of Probable Construction Cost

	Work Area Description	AMOUNT
Federal Eligible Costs		
	Remove Runway Pavements	\$ 800,000.00
	Rehabilitate Terminal Taxiway	\$ 1,800,000.00
	Estimated Construction Cost:	\$ 2,600,000.00
Federal ineligible Costs		
	Rehabilitate Apron - Ineligible AIP	\$ 260,000.00
	Estimated Construction Cost:	\$ 260,000.00
	Total Estimated Construction Cost:	\$ 2,860,000.00
Breakdown of costs by Source		
	Federal Share	\$ 2,340,000.00
	Port Share	\$ 390,000.00
	ODOT Share	\$ 130,000.00
		\$ 2,860,000.00

LOCATION: TOLEDO EXECUTIVE AIRPORT

RS&H

Date Prepared: 11/19/18

PROJECT DESCRIPTION:
Remove Runway Pavements

Prepared By: AMA

Engineer's Estimate of Probable Construction Cost

ITEM NO.	WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	BASE BID				
GP-105-5.1	Mobilization and General Conditions	LSUM	1	\$ 100,000.00	\$ 100,000.00
M-102-10.1	Safety and Security	LSUM	1	\$ 25,000.00	\$ 25,000.00
M-102-10.2	Safety Plan Compliance Document	LSUM	1	\$ 2,000.00	\$ 2,000.00
M-104-5.1	Survey and Stakeout	LSUM	1	\$ 15,000.00	\$ 15,000.00
P-101-5.1	Pavement Removal, PCC 12-18"	SYD	14,583	\$ 10.00	\$ 145,833.33
P-156-5.1	Silt Fence	LFT	5,000	\$ 2.00	\$ 10,000.00
P-156-5.2	Inlet Protection	EACH	20	\$ 75.00	\$ 1,500.00
P-219-5.1	Crush Concrete	CYD	7,000	\$ 20.00	\$ 140,000.00
D-751-5.1	Catch Basin, with Frame and Cover	EACH	20	\$ 1,600.00	\$ 32,000.00
T-901-5.1	Seeding	ACRE	5.00	\$ 3,000.00	\$ 15,000.00
T-905-5.1	Topsoil Material From Onsite Source	CYD	7,000	\$ 12.00	\$ 84,000.00
T-908-5.1	Mulching	ACRE	5.00	\$ 3,000.00	\$ 15,000.00
Total					\$ 585,333.33
Contingency (10%)					\$ 58,533.33
Engineer's Estimate of Probable Construction Cost					\$ 644,000.00
PROFESSIONAL SERVICES					
	Design Services	LSUM	1	\$50,000.00	\$50,000.00
	Construction Services	LSUM	1	\$60,000.00	\$60,000.00
TOTAL ESTIMATED PROJECT COST					\$ 800,000.00

LOCATION: TOLEDO EXECUTIVE AIRPORT

RS&H

Date Prepared: 04/16/2018

PROJECT DESCRIPTION:
Rehabilitate Terminal Taxiway

Prepared By: AMA

Engineer's Estimate of Probable Construction Cost

ITEM NO.	WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	BASE BID				
GP-105-5.1	Mobilization and General Conditions	LSUM	1	\$ 100,000.00	\$ 100,000.00
M-102-10.1	Safety and Security	LSUM	1	\$ 25,000.00	\$ 25,000.00
M-102-10.2	Safety Plan Compliance Document	LSUM	1	\$ 2,000.00	\$ 2,000.00
M-104-5.1	Survey and Stakeout	LSUM	1	\$ 15,000.00	\$ 15,000.00
P-101-5.1	Pavement Removal, PCC 12-18"	SYD	8,447	\$ 10.00	\$ 84,473.67
P-101-5.2	Coldmilling Concrete Pavement 4" Depth	SYD	7,104	\$ 20.00	\$ 142,081.33
P-152-4.1	Unclassified Excavation	CYD	1,928	\$ 10.00	\$ 19,283.06
P-156-5.1	Silt Fence	LFT	900	\$ 2.00	\$ 1,800.00
P-156-5.2	Inlet Protection	EACH	20	\$ 75.00	\$ 1,500.00
P-209-5.1	Crushed Aggregate Base Course	CYD	964	\$ 46.00	\$ 44,351.03
P-219-5.1	Crush, Grade and Compact Crushed Concrete	SYD	7,104	\$ 20.00	\$ 142,081.33
P-219-5.2	Recycled Crushed Aggregate	CYD	2,250	\$ 20.00	\$ 44,993.80
P-401-8.1	Bituminous Surface Course	TON	3,690	\$ 95.00	\$ 350,552.22
P-603-5.1	Bituminous Tack Coat	GAL	1,228	\$ 1.90	\$ 2,332.29
P-620-5.1	Pavement Marking, Yellow, Waterborne, With Glass Beads	LSUM	1	\$ 10,000.00	\$ 10,000.00
D-701-5.1	12" RCP, CL IV	LFT	1,000	\$ 50.00	\$ 50,000.00
D-705-5.1	6" Underdrain, With Fabric Pipe Wrap, Porous Backfill and Cleanouts	LFT	4,000	\$ 12.25	\$ 49,000.00
D-751-5.1	Catch Basin, with Frame and Cover	EACH	20	\$ 1,600.00	\$ 32,000.00
T-901-5.1	Seeding	ACRE	1.00	\$ 3,000.00	\$ 3,000.00
T-905.5.1	Topsoil Material From Onsite Source	CYD	200	\$ 12.00	\$ 2,400.00
T-908-5.1	Mulching	ACRE	1.00	\$ 3,000.00	\$ 3,000.00
L-108-5.1	1/C, L-824C Underground Cable, No. 8 AWG 5kV (In New Conduit or New Duct	LF	3,000.00	\$ 2.00	\$ 6,000.00
L-108-5.2	Underground Cable, 1/C #6 Bare Stranded Counterpoise w/ Ground Rods	LF	3,000.00	\$ 2.50	\$ 7,500.00
L-110-5.1	1-Way, 2-Inch, Sch. 40 PVC Conduit in Turf	LF	3,000.00	\$ 10.00	\$ 30,000.00
L-110-5.2	4-Way, 4-Inch Sch. 40 PVC Duct Bank	LF	160.00	\$ 50.00	\$ 8,000.00
L-115-5.1	Remove Existing Electrical Handhole	EA	4.00	\$ 5,000.00	\$ 20,000.00
L-115-5.2	New Aircraft Rated Handhole	EA	4.00	\$ 10,000.00	\$ 40,000.00
L-125-5.1	Remove Existing Edge Light	EA	20.00	\$ 150.00	\$ 3,000.00
L-125-5.2	New Edge Light, Reuse Existing Light	EA	20.00	\$ 1,500.00	\$ 30,000.00
L-125-5.3	Remove Guidance Sign	EA	8.00	\$ 500.00	\$ 4,000.00
L-125-5.4	New Guidance Sign	EA	8.00	\$ 8,000.00	\$ 64,000.00
Total					\$ 1,337,348.73
Contingency (10%)					\$ 133,734.87
Engineer's Estimate of Probable Construction Cost					\$ 1,472,000.00
PROFESSIONAL SERVICES					
	Design Services	LSUM	1	\$110,000.00	\$110,000.00
	Construction Services	LSUM	1	\$140,000.00	\$140,000.00
TOTAL ESTIMATED PROJECT COST					\$ 1,800,000.00

LOCATION: TOLEDO EXECUTIVE AIRPORT

RS&H

Date Prepared: 03/26/2018

PROJECT DESCRIPTION:
Rehabilitate Apron - Ineligible AIP

Prepared By: AMA

Engineer's Estimate of Probable Construction Cost

ITEM NO.	WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	BASE BID				
GP-105-5.1	Mobilization and General Conditions	LSUM	1	\$ 35,000.00	\$ 35,000.00
M-102-10.1	Safety and Security	LSUM	1	\$ 15,000.00	\$ 15,000.00
M-102-10.2	Safety Plan Compliance Document	LSUM	1	\$ 2,000.00	\$ 2,000.00
M-104-5.1	Survey and Stakeout	LSUM	1	\$ 5,000.00	\$ 5,000.00
P-101-5.1	Pavement Removal, PGC 12-18"	CYD	0	\$ 10.00	\$ -
P-152-4.1	Unclassified Excavation	CYD	524	\$ 10.00	\$ 5,243.58
P-156-5.1	Silt Fence	LFT	100	\$ 2.00	\$ 200.00
P-156-5.2	Inlet Protection	EACH	0	\$ 75.00	\$ -
P-219-5.1	Crush, Grada and Compact Crushed Concrete	SYD	3,146	\$ 20.00	\$ 62,923.00
P-401-8.1	Bituminous Surface Course	TON	779	\$ 95.00	\$ 73,973.85
P-603-5.1	Bituminous Tack Coat	GAL	300	\$ 1.90	\$ 569.30
P-620-5.1	Pavement Marking, Yellow, Waterborne, With Glass Beads	LSUM	0	\$ 10,000.00	\$ -
D-701-5.1	12" RCP, CL IV	LFT	0	\$ 50.00	\$ -
D-705-5.1	6" Underdrain, With Fabric Pipe Wrap, Porous Backfill and Cleanouts	LFT	0	\$ 12.25	\$ -
D-751-5.1	Catch Basin, with Frame and Cover	EACH	0	\$ 1,600.00	\$ -
T-901-5.1	Seeding	ACRE	0.00	\$ 3,000.00	\$ -
T-905-5.1	Topsoil Material From Onsite Source	CYD	0.00	\$ 12.00	\$ -
T-908-5.1	Mulching	ACRE	0.00	\$ 3,000.00	\$ -
				Total	\$ 199,909.74
				Contingency (10%)	\$ 19,990.97
				Engineer's Estimate of Probable Construction Cost	\$ 220,000.00
	PROFESSIONAL SERVICES				
	Design Services	LSUM	1	\$20,000.00	\$20,000.00
	Construction Services	LSUM	1	\$20,000.00	\$20,000.00
	TOTAL ESTIMATED PROJECT COST				\$ 260,000.00



Attachment "B"

Capital Improvement Plan Checklist

Airport Name: TOLEDO EXECUTIVE

Location: MILLBURY, OHIO

Project Description: Rehabilitate Taxiways - Construct

ALP Approval Date: Nov-11

Project Point of Contact: Steve Arnold

Airport Sponsor: TLCPA

Project Consultant: RS&H

Total Cost of the project and anticipated funding sources

Total Cost: \$ 460,000

Funding Sources/Breakdown:

Entitlements	State Apportionment	Discretionary	State (non-FAA)	Local	Other
\$ 414,000	\$ -		\$ 23,000	\$ 23,000	

Financial Plan Required? YES NO

Project on approved ALP? YES NO

Airport Design Standards

Status of RSA's as it relates to the project/Meets Standards? YES NO

Status of RPZ as it relates to the project/Meets Standards? YES NO

Modification of design standards/Any requested? YES NO

Complete and attach the following:

Preliminary environmental checklist for CIP Projects YES NO

Project Justification/Narrative YES NO

Sketch (please label project) YES NO

Steve Arnold

28 NOV 18

Airport Sponsor Signature and Date

Attachment "C"

Preliminary NEPA Checklist for CIP Projects

Directions - Complete this checklist as a part of the CIP Package. This Checklist is not a Categorical Exclusion or environmental clearance to do the project. It is a planning tool to assist the airport in determining the appropriate level of documentation needed for each project. The checklist must be filled out for each proposed project for FY 2020, FY 2021, and FY 2022.

FAA Order 1050.1E and 5050.4B and PPM 5050.20 should be consulted for specific project types and a list of extraordinary circumstances that need to be reviewed. If extraordinary circumstances are present, contact your ADO representative for further guidance.

Airport Name: TOLEDO EXECUTIVE

Project Description: Rehabilitate Taxiways - Construct

Is the project one of the following?

- | | |
|---|--|
| <input type="checkbox"/> Planning/Environmental Documentation | <input type="checkbox"/> Equipment Acquisition |
| <input type="checkbox"/> NEM/NCP preparation | <input type="checkbox"/> Instrumentation/NAVAIDS |

Reference: FAA Order 1050.1E, paragraph

If you checked one of the projects above then STOP. The FAA-Detroit ADO will complete a Categorical Exclusion memo per Policy and Procedures Memorandum 5050.20.

Is the project one of the following?

- | |
|---|
| <input type="checkbox"/> Land Acquisition |
| <input checked="" type="checkbox"/> Repair, replacement, maintenance, upgrading of grounds, infrastructure, buildings, structures , or facilities |

Reference: FAA Order 1050.1E, paragraph 310

If you checked one of the projects above, then you will need to prepare a CATEX Long Form as provided in PPM 5050.20. It is due to the FAA-Detroit ADO by October 30 of the fiscal year requesting funding. All documentation, agency coordination, any required Federal or state laws, regulations, and policies must be adhered to.

Attachment "D"

PROGRAMMING WORK ITEM SHEET

Funding year : 2021

Item Description : Rehabilitate Taxilanes - Construct

(one item per sheet)

*Cost Estimate :	FAA Share	\$	414,000
	Local Share	\$	46,000
	Total Cost	\$	<u>460,000</u>

*(include all related costs; construction, engineering, testing, inspection, administrative, etc.)

Justification:

This project is the construction phase of the rehabilitation of the T-Hangar taxilanes. The existing pavements have significant conditions issues and require rehabilitation.

LOCATION: TOLEDO EXECUTIVE AIRPORT

RS&H

Date Prepared: 10/05/2018

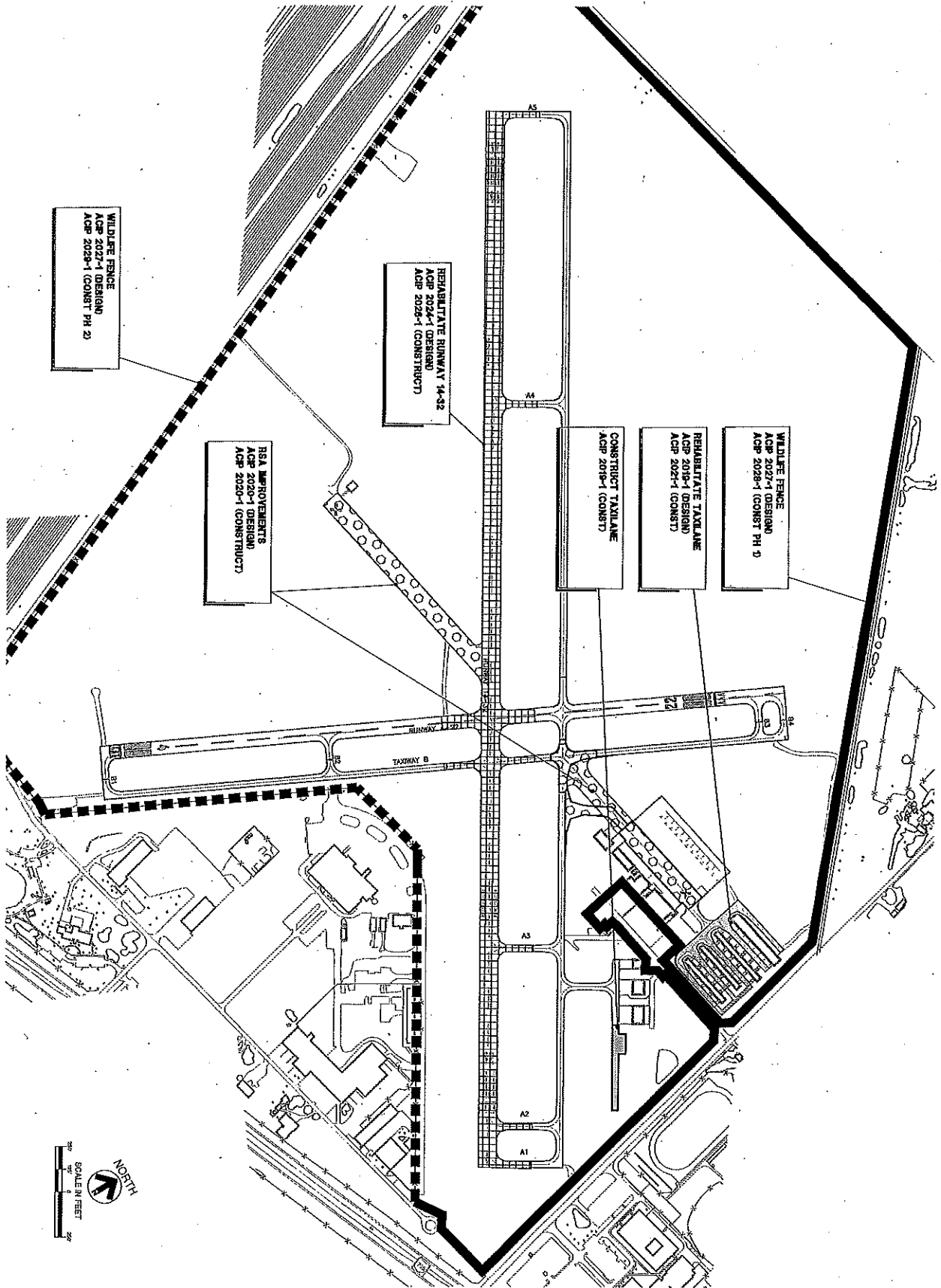
PROJECT DESCRIPTION:

Prepared By: CCB

T-Hangar Taxilanes Rehabilitation

Engineer's Estimate of Probable Construction Cost - Taxilanes Rehabilitation (Eligible)

ITEM NO.	WORK ITEM DESCRIPTION	UNIT	QUANTIT	UNIT PRICE	AMOUNT
	<u>BASE BID</u>				
GP-105-5.1	Mobilization and General Conditions	LSUM	1	\$40,000.00	\$ 40,000.00
M-102-10.1	Safety and Security	LSUM	1	\$10,000.00	\$ 10,000.00
M-102-10.2	Safety Plan Compliance Document	LSUM	1	\$ 5,000.00	\$ 5,000.00
M-104-5.1	Survey and Stakeout	LSUM	1	\$ 5,000.00	\$ 5,000.00
P-101	Bituminous Pavement Removal - Full Depth	SY	5,616	\$ 8.00	\$ 44,925.40
P-152-4.1	Unclassified Excavation	CYD	1,872	\$ 10.00	\$ 18,718.92
P-156-5.1	Silt Fence	LFT	200	\$ 2.00	\$ 400.00
P-156-5.2	Inlet Protection	EACH	5	\$ 75.00	\$ 375.00
P-209-5.1	Crushed Aggregate Base Course	CYD	1,872	\$ 40.00	\$ 74,875.67
P-401-8.1	Bituminous Surface Course	TON	1,390	\$ 95.00	\$ 132,038.57
P-603-5.1	Bituminous Tack Coat	GAL	842	\$ 1.90	\$ 1,600.47
P-620-5.1	Pavement Marking, Yellow, Waterborne, With Glass Beads	SF	1,290	\$ 2.00	\$ 2,580.00
D-705-5.1	Drainage Improvements	ALLOW	1	\$25,000.00	\$ 25,000.00
T-901-5.1	Seeding	ACRE	1.00	\$ 3,000.00	\$ 3,000.00
T-905-5.1	Topsoil Material From Onsite Source	CYD	500	\$ 12.00	\$ 6,000.00
T-908-5.1	Mulching	ACRE	1.00	\$ 3,000.00	\$ 3,000.00
Total					\$ 372,514.03
Contingency (10%)					\$ 37,251.40
Engineer's Estimate of Probable Construction Cost					\$ 410,000.00
PROFESSIONAL SERVICES					
	Design Services	LSUM	1	\$50,000.00	\$50,000.00
	Construction Services	LSUM	1	\$50,000.00	\$50,000.00
TOTAL ESTIMATED PROJECT COST					\$ 510,000.00



WILDLIFE FENCE
ACIP 2027-1 DESIGN
ACIP 2029-1 CONSTRUCT PH 2

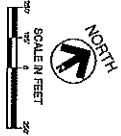
REHABILITATE RUNWAY 14-32
ACIP 2024-1 DESIGN
ACIP 2026-1 CONSTRUCT

RSA IMPROVEMENTS
ACIP 2020-1 DESIGN
ACIP 2020-1 CONSTRUCT

CONSTRUCT TAXIWAY A
ACIP 2026-1 CONSTRUCT

REHABILITATE TAXIWAY A
ACIP 2024-1 DESIGN
ACIP 2026-1 CONSTRUCT

WILDLIFE FENCE
ACIP 2024-1 DESIGN
ACIP 2026-1 CONSTRUCT PH 0



AAA
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DEVELOPMENT PLAN
ACIP
FY 2020-2029
EXHIBIT 1