

# Ann Arbor Municipal Airport - ARB

## Airport Capital Improvement Program

<b>2021</b>	<b>Available Federal Entitlements (NPE) \$-----</b> Environmental Assessment - Extend Rwy 24 & Txywy A (Local \$2,738) Total <b>\$109,517</b>
<b>2022</b>	<b>Available Federal Entitlements (NPE) \$-----</b> Final Design and Approach Survey (Phase II) Runway 6/24 Extension \$349,000 Final Design of Runway 6/24 & Taxiway Lighting \$95,000 Final Design of Runway 24 PAPI \$75,000 (Local \$12,975) Total <b>\$519,000</b>
<b>2023</b>	<b>Available Federal Entitlements (NPE) \$-----</b> Construction of Runway 6/24 & Taxiway Extension \$3,096,000 Construction of Runway 6/24 & Taxiway Lighting \$1,186,000 Construction of Runway 24 PAPI \$142,000 (Local \$110,600) Total <b>\$4,424,000</b>
<b>2024</b>	<b>Available Federal Entitlements (NPE) \$-----</b> Rehab Taxiways B & C - Design \$35,000 Rehab Terminal Apron (West Section) - Design \$25,000 Rehab Taxiways B & C - Construction \$224,000 Rehab Terminal Apron (West Section) - Construction \$162,000 (Local \$11,150) Total <b>\$446,000</b>
<b>2025</b>	<b>Available Federal Entitlements (NPE) \$-----</b> Reconstruct Airport Access Road (Airport Blvd.) - Design \$55,000 Reconstruct Airport Access Road (Airport Blvd.) - Construction \$679,000 (Local \$18,350) Total <b>\$734,000</b>
<b>And Beyond</b>	New Box Hangar Taxiways Terminal Parking Lot Expansion Terminal Building Renovation & Expansion NE T Hangar Taxiway Rehabilitation Airport Layout Plan Update

## CONCEPT (PROJECT) NARRATIVE AND JUSTIFICATION SHEET FOR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP)

<b>Airport and Associated City</b> Ann Arbor Municipal Airport, Ann Arbor MI	<b>Concept(s) Development Year</b> 2022-2023	
<b>Concept(s) Description</b> Runway 6-24 and Taxiway A Extension - (Design and Construction)		
<b>Concept(s) Narrative/Justification</b> (see guidance on preparing your project's justification) The project is necessary to lengthen the runway to 4,300 feet to maximize use to category B-II aircraft per FAA design standards and the MASP. The extension will be 950 feet which includes 150 foot shift of Runway 24 end to the west for a net increase of 800 feet. Taxiway A will be extended to accommodate the new runway length. Taxiway D will be modified to match the new Runway 24 end. The project also addresses local concerns related to aircraft overruns, a ATCT blind spot and the proximity of the runway to State Road.  A new approach survey will have to be performed, because the last one was in 2009 and does not contain completely accurate data.		
<b>PCI Information</b> for pavement rehabilitation (Please provide PCI rating(s) and year surveyed for proposed project)		
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<b>ALP Verification</b> (Please provide date of approved ALP and applicable sheet number(s) where proposed project is located)		
<b>Verify Project is on ALP</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<b>Date of Original FAA Approved ALP</b> 10/06/2008	<b>Sheet Number(s)</b> 4
<b>Date(s) of Approved Update(s)</b>		
<b>Comments</b>		

ALP Note: If not on Airport Layout Plan (ALP), project cannot be programmed until the proposed development, if applicable is on an approved ALP.



Runway 6-24 and Taxiway A  
Extension and Lighting



PROBABLE PROJECT COST

ANN ARBOR MUNICIPAL AIRPORT  
 CITY OF ANN ARBOR  
 EXTEND RUNWAY AND TAXIWAY A

N75.MKT.CRM

9/1/2020

ITEM NO	FAA SPEC	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL
1	P-101	PARTIAL DEPTH AC PAVEMENT REPAIR	1	LS	\$40,000.00	\$40,000.00
2	P-101	MISC. REMOVAL OF PAVEMENT	6,500	SY	\$30.00	\$195,000.00
3	P-152	UNCLASSIFIED EXCAVATION	12,000	CY	\$15.00	\$180,000.00
4	P-154	SUBBASE COURSE	5,500	CY	\$25.00	\$137,500.00
5	P-156	PERMITS	5,000	DLR	\$1.00	\$5,000.00
6	P-156	COMPLIANCE W/POLLUTION, EROSION & SILTATION CTRL.	1	LS	\$20,000.00	\$20,000.00
7	P-156	SILT FENCE	3,000	LF	\$5.00	\$15,000.00
8	P-209	CRUSHED AGGREGATE BASE COURSE	3,000	CY	\$50.00	\$150,000.00
9	P-501	PORTLAND CEMENT CONCRETE PAVEMENT, 8 INCH THICK	16,000	SY	\$65.00	\$1,040,000.00
10	P-601	JOINT SEALING	500	LF	\$8.00	\$4,000.00
11	P-620	RUNWAY & TAXIWAY MARKINGS	50,000	SF	\$1.50	\$75,000.00
12	P-620	INTERIM MARKINGS	50,000	SF	\$1.50	\$75,000.00
13	P-621	SAW-CUT GROOVING	8,000	SY	\$3.00	\$24,000.00
14	D-701	MISC. DRAINAGE	1	LS	\$100,000.00	\$100,000.00
15	D-705	6-INCH PERF. CORRUGATED PE DRAINAGE TUBING UD (TYPE CP)	4,000	LF	\$15.00	\$60,000.00
16	D-705	CLEANOUTS	12	EACH	\$1,500.00	\$18,000.00
17	T-902	TOPSOIL, SEED AND MULCH	1	AC	\$5,000.00	\$5,000.00
18	MDOT	RUNWAY CENTERLINE MONUMENT	2	EACH	\$1,000.00	\$2,000.00
19	M-100	MAINTENANCE AND PROTECTION OF TRAFFIC	1	LS	\$210,000.00	\$210,000.00
20	M-150	PROJECT SURVEY & STAKEOUT	1	LS	\$15,000.00	\$15,000.00
21	M-200	MOBILIZATION (10% MINIMUM)	1	LS	\$237,000.00	\$237,000.00
TOTAL CONSTRUCTION COST						\$2,608,000.00
COST ESCALATION FOR WORK IN 2023 (2%+/- PER YEAR)						\$156,000.00
DESIGN ENGINEERING & ADMINISTRATION						\$249,000.00
APPROACH SURVEY						\$100,000.00
CONSTRUCTION INSPECTION & ADMINISTRATION						\$332,000.00
<b>TOTAL PROJECT COST</b>						<b>\$3,445,000.00</b>

## CONCEPT (PROJECT) NARRATIVE AND JUSTIFICATION SHEET FOR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP)

<b>Airport and Associated City</b> Ann Arbor Municipal Airport, Ann Arbor MI	<b>Concept(s) Development Year</b> 2022-2023	
<b>Concept(s) Description</b> Lighting for Runway 6-24 and Taxiway A Extension - (Design and Construction)		
<b>Concept(s) Narrative/Justification</b> (see guidance on preparing your project's justification) The project is necessary to lengthen the runway to 4,300 feet to maximize use to category B-II aircraft per FAA design standards and the MASP. When the runway and taxiway are extended, the runway and taxiway edge lights, PAPI, and REIL systems will have to be moved/added.		
<b>PCI Information</b> for pavement rehabilitation (Please provide PCI rating(s) and year surveyed for proposed project)		
<b>Section</b>	<b>Date of PCI Survey</b>	<b>PCI Rating</b>
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<b>ALP Verification</b> (Please provide date of approved ALP and applicable sheet number(s) where proposed project is located)		
<b>Verify Project is on ALP</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<b>Date of Original FAA Approved ALP</b> 10/06/2008	<b>Sheet Number(s)</b> 4
<b>Date(s) of Approved Update(s)</b>		
<b>Comments</b>		

ALP Note: If not on Airport Layout Plan (ALP), project cannot be programmed until the proposed development, if applicable is on an approved ALP.



Runway 6-24 and Taxiway A  
Extension and Lighting



PROBABLE PROJECT COST

ANN ARBOR MUNICIPAL AIRPORT  
 CITY OF ANN ARBOR  
 EXTEND RUNWAY AND TAXIWAY A - LIGHTING AND SIGNAGE

N75.MKT.CRM

09/01/20

ITEM NO	FAA SPEC	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL
1	L-102	UTILITY COORDINATION	1	LS	\$20,000.00	\$20,000.00
2	L-108	NO. 8 AWG, 5KV, 1/C AIRFIELD LIGHTING CABLE	31,000	LF	\$3.00	\$93,000.00
3	L-108	COUNTERPOISE WIRE AND TRENCH	18,000	LF	\$5.00	\$90,000.00
4	L-109	AIRPORT ELECTRIC BUILDING EQUIPMENT	1	LS	\$45,000.00	\$45,000.00
5	L-110	4-WAY CONCRETE DUCT BANK	100	LF	\$100.00	\$10,000.00
6	L-110	2-INCH DIA. PVC CONDUIT IN TURF	7,000	LF	\$15.00	\$105,000.00
7	L-115	JUNCTION CAN (LOAD BEARING)	30	EACH	\$1,500.00	\$45,000.00
8	L-125	MEDIUM INTENSITY R/W LIGHT, BASE MOUNTED	65	EACH	\$2,500.00	\$162,500.00
9	L-125	MEDIUM INTENSITY R/W LIGHT (LED), ON EXISTING CAN	70	EACH	\$1,000.00	\$70,000.00
10	L-125	TAXIWAY GUIDANCE SIGN, 3 CHARACTER	5	EACH	\$6,000.00	\$30,000.00
11	L-125	RUNWAY END IDENTIFIER LIGHT (REIL) SYSTEM	1	SET	\$35,000.00	\$35,000.00
12	L-125	SUPPORT FOR FOLLOW-UP FAA FLIGHT CHECK	1	TRIP	\$5,000.00	\$5,000.00
13	L-125	MISC. FAA REIMBURSEABLE AGREEMENT COST FOR RELOCATION OF REILS	1	LS	\$100,000.00	\$100,000.00
14	M-100	MAINTENANCE AND PROTECTION OF TRAFFIC	1	LS	\$82,000.00	\$82,000.00
15	M-150	PROJECT SURVEY & STAKEOUT	1	LS	\$15,000.00	\$15,000.00
16	M-200	MOBILIZATION (10% MAXIMUM)	1	LS	\$91,000.00	\$91,000.00
TOTAL CONSTRUCTION COST						\$999,000.00
COST ESCALATION FOR WORK IN 2023 (2%+/- PER YEAR)						\$60,000.00
DESIGN ENGINEERING & ADMINISTRATION						\$95,000.00
CONSTRUCTION INSPECTION & ADMINISTRATION						\$127,000.00
<b>TOTAL PROJECT COST</b>						<b>\$1,281,000.00</b>

## CONCEPT (PROJECT) NARRATIVE AND JUSTIFICATION SHEET FOR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP)

<b>Airport and Associated City</b> Ann Arbor Municipal Airport, Ann Arbor MI		<b>Concept(s) Development Year</b> 2022-2023
<b>Concept(s) Description</b> PAPI Installation - 24 End		
<b>Concept(s) Narrative/Justification</b> (see guidance on preparing your project's justification) Currently there is a VASI at the 24 end of Runway 6-24 that was originally installed in the 1970s. This equipment is well past its useful life, and it is difficult to find parts for it. A PAPI will replace the VASI to provide visual guidance to help pilots maintain the correct approach for landing. An AGIS Survey will be required to ensure proper installation.		
<b>PCI Information</b> for pavement rehabilitation (Please provide PCI rating(s) and year surveyed for proposed project)		
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ANN ARBOR MUNICIPAL AIRPORT  
CITY OF ANN ARBOR  
PAPI INSTALLATION - 24 END

N75.MKT.CRM

09/01/20

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1	L-108	AIRFIELD LIGHTING CABLE	3,000	LF	\$3.00	\$9,000.00
2	L-108	COUNTERPOISE WIRE IN TRENCH	1,500	LF	\$5.00	\$7,500.00
3	L-110	2-INCH DIA. PVC CONDUIT IN TURF	1,500	LF	\$15.00	\$22,500.00
4	L-125	PRECISION APPROACH PATH INDICATOR (PAPI) SYSTEM	1	SET	\$60,000.00	\$60,000.00
5	L-125	SUPPORT FOR FAA FLIGHT CHECK	1	LS	\$5,000.00	\$5,000.00
6	M-200	MOBILIZATION (10% MAXIMUM)	1	LS	\$6,000.00	\$6,000.00
TOTAL CONSTRUCTION COST						\$110,000.00
COST ESCALATION FOR WORK IN 2023 (2%+/- PER YEAR)						\$7,000.00
DESIGN ENGINEERING & ADMINISTRATION						\$25,000.00
AGIS SURVEY AND SUBMISSION						\$50,000.00
CONSTRUCTION INSPECTION & ADMINISTRATION						\$25,000.00
TOTAL PROJECT COST						\$217,000.00

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Runway 6-24 and Taxiway A  
Extension and Lighting



PROBABLE PROJECT COST

ANN ARBOR MUNICIPAL AIRPORT  
 CITY OF ANN ARBOR  
 EXTEND RUNWAY AND TAXIWAY A

N75.MKT.CRM

9/1/2020

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21	M-200	MOBILIZATION (10% MINIMUM)	1	LS	\$237,000.00	\$237,000.00
TOTAL CONSTRUCTION COST						\$2,608,000.00
COST ESCALATION FOR WORK IN 2023 (2%+/- PER YEAR)						\$156,000.00
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<b>Airport and Associated City</b> Ann Arbor Municipal Airport, Ann Arbor MI	<b>Concept(s) Development Year</b> 2022-2023	
<b>Concept(s) Description</b> Lighting for Runway 6-24 and Taxiway A Extension - (Design and Construction)		
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Runway 6-24 and Taxiway A  
Extension and Lighting



PROBABLE PROJECT COST

ANN ARBOR MUNICIPAL AIRPORT  
 CITY OF ANN ARBOR  
 EXTEND RUNWAY AND TAXIWAY A - LIGHTING AND SIGNAGE

N75.MKT.CRM

09/01/20

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<b>Airport and Associated City</b> Ann Arbor Municipal Airport, Ann Arbor MI	<b>Concept(s) Development Year</b> 2022-2023	
<b>Concept(s) Description</b> PAPI Installation - 24 End		
<b>Concept(s) Narrative/Justification</b> (see guidance on preparing your project's justification) Currently there is a VASI at the 24 end of Runway 6-24 that was originally installed in the 1970s. This equipment is well past its useful life, and it is difficult to find parts for it. A PAPI will replace the VASI to provide visual guidance to help pilots maintain the correct approach for landing. An AGIS Survey will be required to ensure proper installation.		
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PROBABLE PROJECT COST

ANN ARBOR MUNICIPAL AIRPORT  
CITY OF ANN ARBOR  
PAPI INSTALLATION - 24 END

N75.MKT.CRM

09/01/20

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3	L-110	2-INCH DIA. PVC CONDUIT IN TURF	1,500	LF	\$15.00	\$22,500.00
4	L-125	PRECISION APPROACH PATH INDICATOR (PAPI) SYSTEM	1	SET	\$60,000.00	\$60,000.00
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COST ESCALATION FOR WORK IN 2023 (2%+/- PER YEAR)						\$7,000.00
DESIGN ENGINEERING & ADMINISTRATION						\$25,000.00
AGIS SURVEY AND SUBMISSION						\$50,000.00
CONSTRUCTION INSPECTION & ADMINISTRATION						\$25,000.00
TOTAL PROJECT COST						\$217,000.00

## CONCEPT (PROJECT) NARRATIVE AND JUSTIFICATION SHEET FOR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP)

<b>Airport and Associated City</b> Ann Arbor Municipal Airport, Ann Arbor MI		<b>Concept(s) Development Year</b> 2024
<b>Concept(s) Description</b> Rehabilitate Taxiway B, C (Crack Repair and Sealcoat) - (Design and Construction)		
<b>Concept(s) Narrative/Justification</b> (see guidance on preparing your project's justification) The current pavement condition index (PCI) for the project area is 57-58 as of 2017. The proposed surface treatment for Taxiway C, Taxiway B will maintain the current PCI values and extend the life of the pavement. Taxiway C is 35' wide by 1750' long, Taxiway B is 35' wide by 280' long. It is believed that full depth patching will be needed in several areas, dependent upon inspection.		
<b>PCI Information</b> for pavement rehabilitation (Please provide PCI rating(s) and year surveyed for proposed project)		
<b>Section</b> TWCAA-10	<b>Date of PCI Survey</b> 2017	<b>PCI Rating</b> 57
<b>Section</b>	<b>Date of PCI Survey</b>	<b>PCI Rating</b>
<b>Section</b>	<b>Date of PCI Survey</b>	<b>PCI Rating</b>
<b>ALP Verification</b> (Please provide date of approved ALP and applicable sheet number(s) where proposed project is located)		
<b>Verify Project is on ALP</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<b>Date of Original FAA Approved ALP</b> 10/06/2008	<b>Sheet Number(s)</b> 4
<b>Date(s) of Approved Update(s)</b>		
<b>Comments</b>		

ALP Note: If not on Airport Layout Plan (ALP), project cannot be programmed until the proposed development, if applicable is on an approved ALP.



Taxiway B, Taxiway C, and Apron  
Surface Treatment



PROBABLE PROJECT COST

CITY OF ANN ARBOR  
ANN ARBOR, MI

N75.001.001

(2024) Rehabilitate Taxiway B, C (Crack Repair and Sealcoat)

09/04/20

ITEM NO	MDOT ITEM NO	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL
1	1000400	MOBILIZATION AND GENERAL CONDITIONS	1	LS	\$25,000.00	\$25,000.00
2	1000410	MAINTENANCE AND PROTECTION OF TRAFFIC	1	LS	\$15,000.00	\$15,000.00
3		P-608 BITUMINOUS SURFACE TREATMENT	12,000	SY	\$5.00	\$60,000.00
4		FULL DEPTH PAVEMENT PATCH	1	LS	\$75,000.00	\$75,000.00
TOTAL CONSTRUCTION COST						\$175,000.00
COST ESCALATION FOR WORK DONE IN 2024 (2%+/- PER YEAR)						\$14,000.00
DESIGN ENGINEERING						\$35,000.00
CONSTRUCTION INSPECTION AND ADMINISTRATION						\$35,000.00
TOTAL PROJECT COST						\$259,000.00

## CONCEPT (PROJECT) NARRATIVE AND JUSTIFICATION SHEET FOR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP)

<b>Airport and Associated City</b> Ann Arbor Municipal Airport, Ann Arbor MI		<b>Concept(s) Development Year</b> 2024
<b>Concept(s) Description</b> Rehabilitate Apron (Crack Repair and Sealcoat) - (Design and Construction)		
<b>Concept(s) Narrative/Justification</b> (see guidance on preparing your project's justification) The current pavement condition index (PCI) for the project area is 62 as of 2017. The proposed surface treatment for apron area will maintain the current PCI values and extend the life of the pavement. Apron is 175' by 500'. It is believed that full depth patching will be needed in several areas, dependent upon inspection.		
<b>PCI Information</b> for pavement rehabilitation (Please provide PCI rating(s) and year surveyed for proposed project)		
<b>Section</b>	<b>Date of PCI Survey</b>	<b>PCI Rating</b>
Section ATERMAA-10	Date of PCI Survey 2017	PCI Rating 62
<b>Section</b>	<b>Date of PCI Survey</b>	<b>PCI Rating</b>
<b>ALP Verification</b> (Please provide date of approved ALP and applicable sheet number(s) where proposed project is located)		
<b>Verify Project is on ALP</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<b>Date of Original FAA Approved ALP</b> 10/06/2008	<b>Sheet Number(s)</b> 4
<b>Date(s) of Approved Update(s)</b>		
<b>Comments</b>		

ALP Note: If not on Airport Layout Plan (ALP), project cannot be programmed until the proposed development, if applicable is on an approved ALP.



**Taxiway B, Taxiway C, and Apron  
Surface Treatment**





PROBABLE PROJECT COST

CITY OF ANN ARBOR  
ANN ARBOR, MI  
(2023) Rehabilitate Apron (Crack Repair and Sealcoat)

N75.001.001  
09/01/20

ITEM NO	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL
1	MOBILIZATION AND GENERAL CONDITIONS	1	LS	\$25,000.00	\$25,000.00
2	MAINTENANCE AND PROTECTION OF TRAFFIC	1	LS	\$15,000.00	\$15,000.00
3	P-608 BITUMINOUS SURFACE TREATMENT	10,694	SY	\$5.00	\$53,472.22
4	FULL DEPTH PAVEMENT PATCH	1	LS	\$25,000.00	\$25,000.00
TOTAL CONSTRUCTION COST					\$118,000.00
COST ESCALATION FOR WORK DONE IN 2024 (2%+/- PER YEAR)					\$9,000.00
DESIGN ENGINEERING					\$25,000.00
CONSTRUCTION INSPECTION AND ADMINISTRATION					\$35,000.00
<hr/> TOTAL PROJECT COST					<hr/> \$187,000.00

## CONCEPT (PROJECT) NARRATIVE AND JUSTIFICATION SHEET FOR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP)

<b>Airport and Associated City</b> Ann Arbor Municipal Airport	<b>Concept(s) Development Year</b> 2025	
<b>Concept(s) Description</b> Rehabilitation of Access Road - Design and Construction		
<b>Concept(s) Narrative/Justification</b> (see guidance on preparing your project's justification) This project will encompass the rehabilitation of the existing two lane airport access road (Airport Blvd) from Ellsworth Road to Airport Drive. It will also include a new boulevard entrance at Ellsworth Road, sidewalk, and drainage. Airport Boulevard is the only public access road into the airport and serves the terminal, air traffic control tower, car rentals, corporate hangars and other airport businesses. The existing road is over 20 years old. The Airport is pro-actively trying to maintain the pavement condition until the rehabilitation project by placing 1.5" lift of top coat with local funds.  The new boulevard entrance is planned to increase the visibility of the airport off Ellsworth Road. A sidewalk on one side of the road will provide safe access for all pedestrians: pilots going to Ellsworth Road for restaurants, shopping, or public transportation; student pilots coming to the airport for training that use public transportation; and customers coming to the airport for the rental car agencies located in the terminal building.		
<b>PCI Information</b> for pavement rehabilitation (Please provide PCI rating(s) and year surveyed for proposed project)		
<b>Section</b>	<b>Date of PCI Survey</b>	<b>PCI Rating</b>
<b>Section</b>	<b>Date of PCI Survey</b>	<b>PCI Rating</b>
<b>Section</b>	<b>Date of PCI Survey</b>	<b>PCI Rating</b>
<b>ALP Verification</b> (Please provide date of approved ALP and applicable sheet number(s) where proposed project is located)		
<b>Verify Project is on ALP</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<b>Date of Original FAA Approved ALP</b> 10/06/2008	<b>Sheet Number(s)</b> 4
<b>Date(s) of Approved Update(s)</b>		
<b>Comments</b>		

ALP Note: If not on Airport Layout Plan (ALP), project cannot be programmed until the proposed development, if applicable is on an approved ALP.



Airport Access Road  
Rehabilitation



PROBABLE PROJECT COST

ANN ARBOR MUNICIPAL AIRPORT  
 CITY OF ANN ARBOR  
 REHABILITATE EXISTING AIRPORT ACCESS ROAD

N75.MKT.CRM

9/11/2020

ITEM NO	FAA SPEC	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL
1	P-101	COLD MILLING EXISTING PAVEMENT	3500	SY	\$10.00	\$35,000.00
2	P-101	PREPARATION OF EXISTING PAVEMENT	1	LS	\$30,000.00	\$30,000.00
3	P-152	BORROW EXCAVATION	1,600	CY	\$15.00	\$24,000.00
4	P-156	PERMITS	1	DLR	\$10,000.00	\$10,000.00
5	P-156	COMPLIANCE W/POLLUTION, EROSION & SILTATION CTRL.	1	LS	\$15,000.00	\$15,000.00
6	P-156	SILT FENCE	2,750	LF	\$5.00	\$13,750.00
7	P-401	BITUMINOUS SURFACE COURSE, GRADATION 1	860	TON	\$100.00	\$86,000.00
8	P-510	CONCRETE CURB	2,530	LF	\$25.00	\$63,250.00
9	P-603	BITUMINOUS TACK COAT	385	GAL	\$3.50	\$1,347.50
10	P-620	HIGHWAY PAINTING	1	LS	\$5,000.00	\$5,000.00
11	P-645	ASPHALT SIDEWALK	7,600	SF	\$5.00	\$38,000.00
12	D-701	MISC. DRAINAGE STRUCTURES	5	EACH	\$5,000.00	\$25,000.00
13	D-701	12-INCH DIA. RCP, CLASS IV	1,265	LF	\$80.00	\$101,200.00
14	D-701	12-INCH DIA. RCP END SECTION	2	EACH	\$800.00	\$1,600.00
15	T-902	TOPSOIL, SEED AND MULCH	1	AC	\$5,000.00	\$5,000.00
16	M-100	MAINTENANCE AND PROTECTION OF TRAFFIC	1	LS	\$25,000.00	\$25,000.00
17	M-100	MISC. TRAFFIC SIGNS	2	EACH	\$1,000.00	\$2,000.00
18	M-150	PROJECT SURVEY & STAKEOUT	1	LS	\$20,000.00	\$20,000.00
19	M-200	MOBILIZATION (10% MAXIMUM)	1	LS	\$50,000.00	\$50,000.00
TOTAL CONSTRUCTION COST						\$551,000.00
COST ESCALATION FOR WORK IN 2025 (2%+/- PER YEAR)						\$55,000.00
DESIGN ENGINEERING & ADMINISTRATION						\$55,000.00
CONSTRUCTION INSPECTION & ADMINISTRATION						\$73,000.00
<b>TOTAL PROJECT COST</b>						<b>\$734,000.00</b>