

FEDERAL AVIATION ADMINISTRATION

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION - CENTRAL REGION

CIP DATA SHEET

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	SPRINGFIELD-BRANSON NATIONAL AIRPORT, SGF, SPRINGFIELD, MISSOURI		
AIP Project Type:	FAA ORDER 5100-38D, TABLE L-2, t. SECURITY ENHANCEMENTS (TERMINAL ACCESS CONTROL)		
Local Priority:	2 - High	Federal Share:	\$ 900,000
FFY Requested:	2021	State Share:	\$0
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

PROJECT DESCRIPTION: UPGRADE ACCESS CONTROL SYSTEM

JUSTIFICATION: The current system is approximately seven years old and needs to be upgraded. To meet current requirements in an emergency situation the trunk radio system will need to be updated to communicate effectively with emergency personnel. The existing software is no longer supported by the manufacture, therefore it needs to be upgrade to meet TSA security requirements.

****A SKETCH IS NOT REQUIRED FOR THIS PROJECT****

SPONSOR SIGNATURE BLOCK

Signature:		Date:	2/15/2018
Printed Name:	Brian Weiler	Title:	Director of Aviation
Phone Number:	417-868-0500	Email:	Bweiler@flyspringfield.com



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**DETAILED
CONSTRUCTION COST ESTIMATE**

REHABILITATE RUNWAY 2/20 LIGHTING

ITEM	ITEM DESCRIPTION	UNIT	QNTY	Engineer's Estimate	
				Unit \$	Item \$
	Access Control System				
	Update Access Control System	LS	1	\$ 950,000.00	\$ 950,000.00
ITEM SUBTOTAL					\$ 950,000.00
ENGINEERING					\$ 50,000.00
TOTAL					\$ 1,000,000.00

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AIP Project Type:	FAA ORDER 5100-38D, TABLE N-9, a. CONSTRUCT TERMINAL BUILDING		
Local Priority:	1 - Very High	Federal Share:	\$ 2,790,000
FFY Requested:	2021	State Share:	\$0
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$310,000
		Total Project Cost:	\$ 3,100,000

PROJECT DESCRIPTION: CONSTRUCT TERMINAL BUILDING – ENTITLEMENT REIMBURSEMENT FOR TERMINAL

JUSTIFICATION: Reimbursement for terminal building construction.



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AIP Project Type:	FAA ORDER 5100-38D, TABLE L-2, a. ACQUIRE AIRCRAFT RESCUE AND FIRE FIGHTING VEHICLE		
Local Priority:	2 - High	Federal Share:	\$ 675,000
FFY Requested:	2021	State Share:	\$0
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$75,000
		Total Project Cost:	\$ 750,000

PROJECT DESCRIPTION: REPLACE ARFF VEHICLE

JUSTIFICATION: Replace Z-5, 1994 Oshkosk water/foam pumper with high reach turret. This vehicle has exceeded its maintenance life cycle. The airport uses an EZ-5 as a back-up vehicle, in order to maintain our ARFF Index. A sketch is not required for this project.

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CAPITAL IMPROVEMENT PROGRAM (CIP)

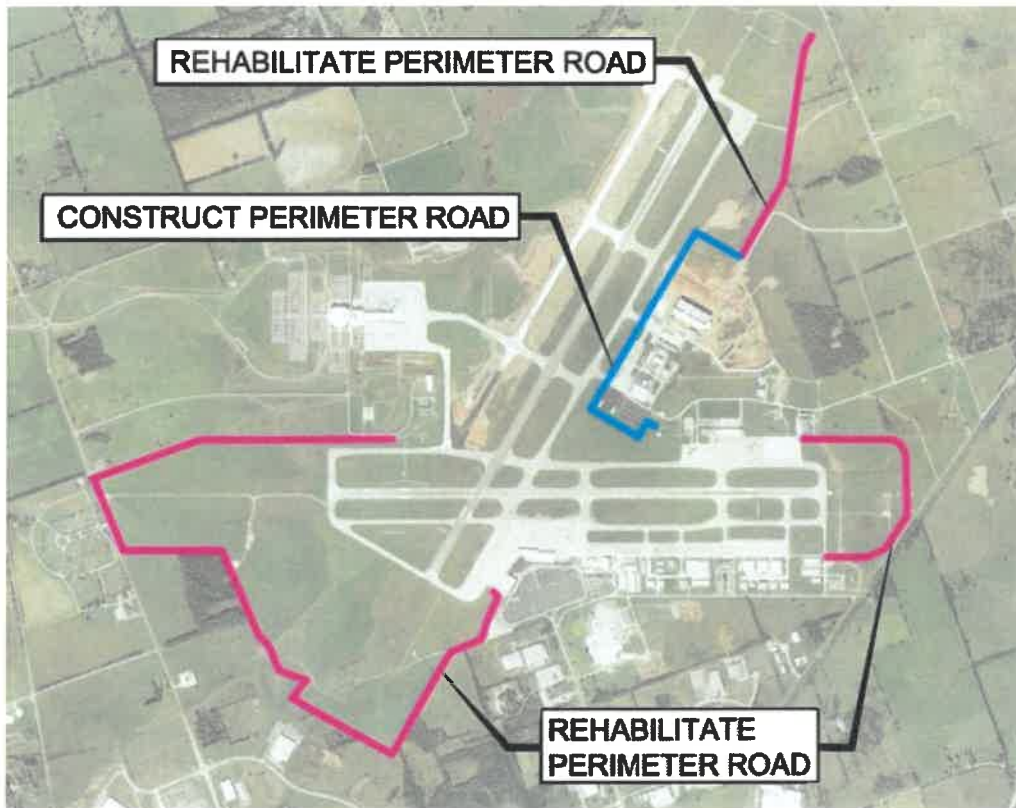
AIRPORTS DIVISION - CENTRAL REGION

CIP DATA SHEET

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	SPRINGFIELD-BRANSON NATIONAL AIRPORT, SGF, SPRINGFIELD, MISSOURI		
AIP Project Type:	FAA ORDER 5100-38D, TABLE P-3, a. ACCESS ROAD (CONSTRUCT, EXPAND, MODIFY, IMPROVE OR REHABILITATE)		
Local Priority:	2 - High	Federal Share:	\$ 1,350,000
FFY Requested:	2021	State Share:	\$0
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$150,000
		Total Project Cost:	\$ 1,500,000

PROJECT DESCRIPTION: CONSTRUCT AND REHABILITATE PERIMETER ROAD

JUSTIFICATION: The existing Perimeter Road in need of rehabilitation. Many areas of pavement are failing and deteriorating. Also a portion of the road will need to be constructed around the AVCRAD as new construction has removed the existing road and facilitated re-alignment thereof.



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ITEM	ITEM DESCRIPTION	UNIT	SCHEDULE I		
			Quantity	Engineer's Estimate	
				Unit \$	Item \$
BASE BID ITEMS					
P-102	SAFETY AND SECURITY				
P-102a	SAFETY AND SECURITY	LS	1	\$ 50,000.00	\$ 50,000.00
P-150	DEMOLITION				
P-150a	MISCELLANEOUS DEMOLITION	LS	1	\$ 20,000.00	\$ 20,000.00
P-150b	BUTT JOINT	SY	500	\$ 12.00	\$ 6,000.00
P-150c	FULL DEPTH ASPHALT REMOVAL	SY	8,200	\$ 12.00	\$ 98,400.00
P-152	EXCAVATION AND EMBANKMENT				
P-152a	SUBGRADE PREPARATION - 12 INCHES	SY	14,500	\$ 6.00	\$ 87,000.00
P-152b	UNCLASSIFIED EXCAVATION	CY	4,500	\$ 16.00	\$ 72,000.00
P-152c	ROCK EXCAVATION	CY	450	\$ 30.00	\$ 13,500.00
P-209	CRUSHED AGGREGATE BASE COURSE				
P-209a	CRUSHED AGGREGATE BASE COURSE - 6 INCHES	CY	2,410	\$ 50.00	\$ 120,500.00
P-401	BITUMINOUS ASPHALT PAVEMENTS				
P-401a	BITUMINOUS ASPHALT PAVEMENTS (BP-2)	TON	7,000	\$ 88.00	\$ 616,000.00
P-620	PAVEMENT MARKING AND SIGNS				
P-620a	TAXIWAY PAINT	SF	2,000	\$ 3.50	\$ 7,000.00
T-901	SEEDING				
T-901a	HYDROMULCH AND SEED	AC	2	\$ 2,000.00	\$ 4,000.00
ITEM TOTAL					\$ 1,094,400.00
MOBILIZATION 10%					\$ 109,440.00
CONTINGENCY 5%					\$ 60,192.00
ENGINEERING FEES 15%					\$ 189,604.80
TOTAL					\$ 1,453,636.80

Assumptions

- Assume 4 inches of P-401 on 6-Inches of P-209, on 12-Inches of Subgrade Preparation for new construction.
- Assume existing Perimeter Road will have a 2 - Inch overlay, and 25% of road full depth reconstruction.

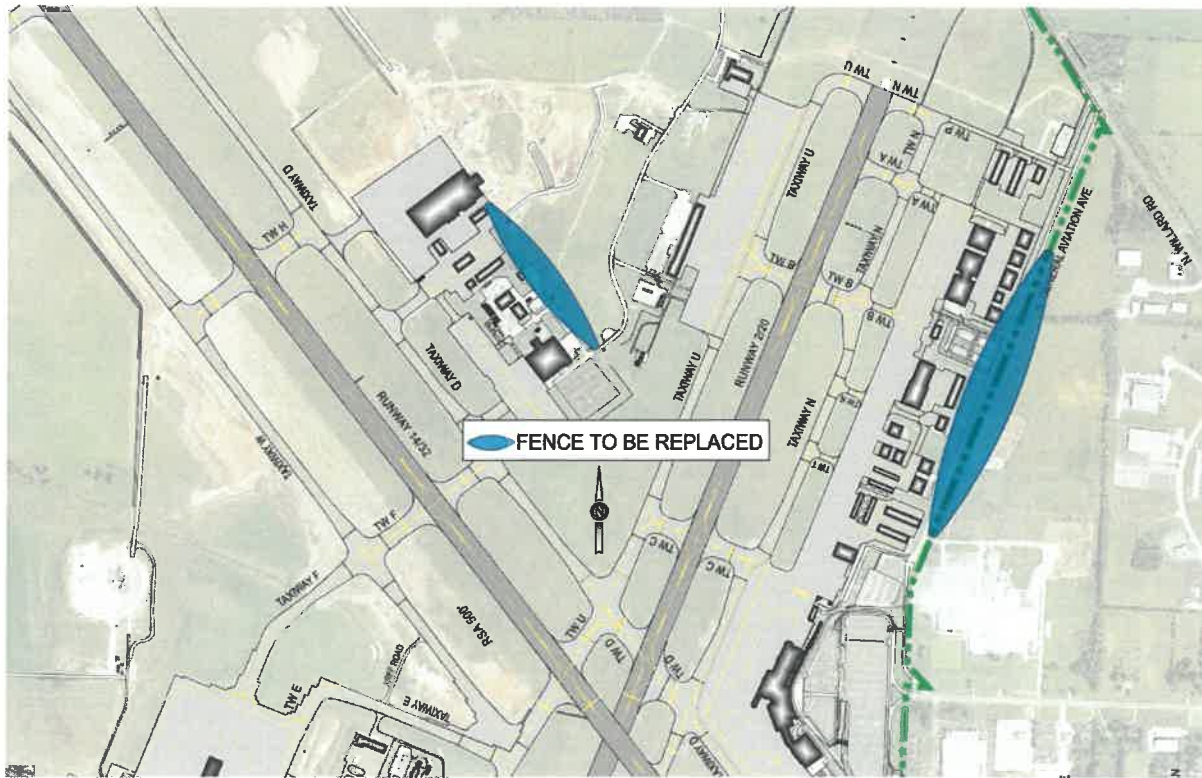
FEDERAL AVIATION ADMINISTRATION

CIP DATA SHEET

CAPITAL IMPROVEMENT PROGRAM (CIP)
AIRPORTS DIVISION - CENTRAL REGION

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	SPRINGFIELD-BRANSON NATIONAL AIRPORT, SGF, SPRINGFIELD, MISSOURI		
AIP Project Type:	FAA ORDER 5100-38D, TABLE L-2 p. INSTALL PERIMETER FENCING REQUIRED BY 49 CFR 1542		
Local Priority:	2 -High	Federal Share:	\$ 405,000
FFY Requested:	2021	State Share:	\$0
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$45,000
		Total Project Cost:	\$ 450,000

PROJECT DESCRIPTION: REPLACE FENCE – 3,500 FEET OF 6 FOOT FENCE TO BE REPLACED WITH 8 FOOT FENCE AND 3 STRANDS OF BARB WIRE
JUSTIFICATION: Replacement of approximately 3,500 feet of six foot fence with 8 foot fence and three strands of barb wire. Fencing is recommended by TSA under Part 1542.



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ITEM	ITEM DESCRIPTION	UNIT	SCHEDULE I		
			Quantity	Engineer's Estimate	
				Unit \$	Item \$
BASE BID ITEMS					
P-100	MOBILIZATION				
P-100a	MOBILIZATION	LS	1	\$ 33,800.00	\$ 33,800.00
F-162	FENCE				
F-162a	INSTALL 8' FERIMETER FENCE	LF	6,500	\$ 30.00	\$ 195,000.00
F-162b	REMOVE EXISTING 6' FENCE	LF	6,500	\$ 22.00	\$ 143,000.00
ENGINEERING (DESIGN AND CONSTRUCTION)					\$ 66,924.00
TOTAL					\$ 438,724.00

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Airport Name, LOCID, City, State:	SPRINGFIELD-BRANSON NATIONAL AIRPORT, SGF, SPRINGFIELD, MISSOURI		
AIP Project Type:	FAA ORDER 5100-38D, TABLE H-3, a. TAXIWAY (CONSTRUCT, EXTEND, WIDEN, STRENGTHEN)		
Local Priority:	2 - High	Federal Share:	\$ 3,780,000
FFY Requested:	2021	State Share:	\$0
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$420,000
		Total Project Cost:	\$ 4,200,000

PROJECT DESCRIPTION: REALIGN TAXIWAY "N" FROM RUNWAY 14/32 to RUNWAY 2/20
JUSTIFICATION: The Taxiway does not meet current FAA standards to support the critical aircraft. The current Taxiway width is 60 feet and current standards recommend a width of 75 feet. The project is shown on the 10-30-13 ALP.



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ITEM	ITEM DESCRIPTION	UNIT	SCHEDULE I		
			Quantity	Engineer's Estimate	
				Unit \$	Item \$
BASE BID ITEMS					
P-102	SAFETY AND SECURITY				
P-102a	SAFETY AND SECURITY	LS	1	\$ 50,000.00	\$ 50,000.00
P-150	DEMOLITION				
P-150a	REMOVE EXISTING CONCRETE	SY	11,750	\$ 20.00	\$ 235,000.00
P-150b	REMOVE EXISTING UNDERDRAINS	LF	3,530	\$ 5.00	\$ 17,650.00
P-150c	MISCELLANEOUS DEMOLITION	LS	1	\$ 5,000.00	\$ 5,000.00
P-152	EXCAVATION AND EMBANKMENT				
P-152a	SUBGRADE PREPARATION - 12 INCHES	SY	16,320	\$ 5.00	\$ 81,600.00
P-152b	UNCLASSIFIED EXCAVATION	CY	3,000	\$ 18.00	\$ 54,000.00
P-152c	ROCK EXCAVATION	CY	300	\$ 30.00	\$ 9,000.00
P-155	LIME TREATED SUBGRADE				
P-155a	LIME TREATD SUBGRADE - 12 INCHES	SY	16,320	\$ 6.00	\$ 97,920.00
P-155b	LIME	TON	915	\$ 100.00	\$ 91,500.00
P-156	EROSION CONTROL				
P-156a	TEMPORARY EROSION CONTROL	LS	1	\$ 10,000.00	\$ 10,000.00
P-203	BITUMINOUS DRAINABLE BASE				
P-203a	BITUMINOUS DRAINABLE BASE - 6 INCHES	SY	16,320	\$ 22.00	\$ 359,040.00
P-310	GEOTEXTILE FABRIC				
P-310a	NON-WOVEN GEOTEXTILE FABRIC	SY	16,320	\$ 3.00	\$ 48,960.00
P-501	PORTLAND CONCRETE CEMENT PAVEMENTS				
P-501a	NON-REINFORCED PORTLAND CEMENT CONCRETE - 15 INCHES	SY	14,700	\$ 100.00	\$ 1,470,000.00
P-501b	REINFORCED PORTLAND CEMENT CONCRETE - 15 INCHES	SY	1,630	\$ 110.00	\$ 179,300.00
P-620	PAVEMENT MARKING AND SIGNS				
P-620a	TAXIWAY PAINT	SF	5,500	\$ 3.50	\$ 19,250.00
P-620a	OBLITERATE EXISTING PAINT	SF	5,500	\$ 5.00	\$ 27,500.00
D-705	PIPE UNDERDRAINS FOR AIRPORTS				
D-705a	INSTALL PERFORATED POLYETHYLENE PIPE - 6 INCH	LF	3,530	\$ 20.00	\$ 70,600.00
D-705b	INSTALL NON-PERFORATED POLYETHYLENE PIPE - 6 INCH	LF	3,500	\$ 20.00	\$ 70,000.00
D-751	MANHOLES, CATCH BASINS INLETS, AND INSPECTION HOLES				
D-751a	INSTALL UNDERDRAIN CLEAN OUT	EA	8	\$ 1,500.00	\$ 12,000.00
D-751b	INSTALL INSPECTION PIT	EA	2	\$ 7,500.00	\$ 15,000.00
D-751c	INSTALL INLET, AIRCRAFT RATED	EA	2	\$ 10,000.00	\$ 20,000.00
T-901	SEEDING				
T-901a	SEEDING WITH HYDROMULCH	AC	4	\$ 2,000.00	\$ 8,000.00
L-108	UNDERGROUND POWER CABLES FOR AIRPORTS				
L-108a	#8 AWG, L-824, TYPE C, 5000 VOLT	LF	4,000	\$ 3.00	\$ 12,000.00
L-108b	#6 BARE COUNTERPOIS WIRE	LF	4,000	\$ 5.00	\$ 20,000.00
L-108c	#6 AWG XHHW, GREEN 600V, INSTALLED IN CONDUIT	LF	4,000	\$ 3.00	\$ 12,000.00
L-110	AIRPORT UNDERGROUND ELECTRICAL DUCT BANKS AND CONDUITS				
L-110a	1-2" PVC CONDUIT, DIRECT EARTH BURIED	LF	3,530	\$ 25.00	\$ 88,250.00
L-110b	EXTEND EXISTING DUCT BANK	LF	400	\$ 50.00	\$ 20,000.00
L-125	AIRFIELD LIGHTING				
L-125a	RELOCATE TAXIWAY EDGE LIGHT	EA	39	\$ 1,200.00	\$ 46,800.00
L-125b	RELOCATE GUIDANCE SIGN	EA	4	\$ 3,500.00	\$ 14,000.00
L-125c	RELOCATE ELEVATED RGL'S	EA	2	\$ 1,500.00	\$ 3,000.00

ITEM	ITEM DESCRIPTION	UNIT	SCHEDULE I		
			Quantity	Engineer's Estimate	
				Unit \$	Item \$
ITEM TOTAL				\$	3,167,370.00
MOBILIZATION 10%				\$	316,737.00
CONTINGENCY 5%				\$	174,205.35
ENGINEERING FEES 15%				\$	548,746.85
TOTAL				\$	4,207,059.20

Assumptions

- ASSUME 15 INCHES OF P-501, ON 6 INCHES OF P-203, ON 12 INCHES SUBGRADE PREPARATION.
- ASSUME TAXIWAY ELECTRICAL WILL NEED TO BE RELOCATED.

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AIP Project Type:	FAA ORDER 5100-38D, TABLE J-2, c. REHABILITATE RUNWAY LIGHTING		
Local Priority:	1 - Very High	Federal Share:	\$ 360,000
FFY Requested:	2021	State Share:	\$0
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$40,000
		Total Project Cost:	\$ 400,000

PROJECT DESCRIPTION: REHABILITATE RUNWAY 2/20 LIGHTING SYSTEM

JUSTIFICATION: The existing runway lighting system is in need of rehabilitating. The cabling, lighting and signage is at the end of its usable life and in need of constant maintenance by Airport Personnel.



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**REHABILITATE RUNWAY 2/20 LIGHTING
 SYSTEM**

ITEM	ITEM DESCRIPTION	UNIT	QNTY	Engineer's Estimate	
				Unit \$	Item \$
P-100	Mobilization				
P-100a	Mobilization	LS	1	\$ 33,300.00	\$ 33,300.00
L-108	Underground Power Cable for Airports				
L-108a	L-824C #8 AWG 5000V Cable	LF	40,000	\$ 2.00	\$ 80,000.00
L-110	Airport Underground Electrical for Duct Banks				
L-110a	Install 2" PVC Conduit - Direct Earth Buried	LF	400	\$ 25.00	\$ 10,000.00
L-125	Airport Lighting Systems				
L-125a	Remove Existing Fixture and Install New L-862 Runway Edge Light	EA	58	\$ 1,000.00	\$ 58,000.00
L-125b	Remove Existing Fixture and Install New L-850C Semi-Flush Runway Edge Light	EA	12	\$ 750.00	\$ 9,000.00
L-125c	Remove Existing Fixture and Install New L-862E Runway End Light	EA	16	\$ 650.00	\$ 10,400.00
L-125d	Remove Existing & Install New Sign on Existing Concrete Base	EA	17	\$ 5,000.00	\$ 85,000.00
L-125e	Install New Constant Current Regulator	EA	1	\$ 25,000.00	\$ 25,000.00
ITEM SUBTOTAL					\$ 310,700.00
CONTINGENCY (10%)					\$ 31,070.00
ENGINEERING - DESIGN + CONSTRUCTION MANAGEMENT (18%)					\$ 55,926.00
TOTAL					\$ 397,696.00

Assumptions:

- Mobilization is 10%.
- Existing concrete sign pads will be re-used.
- Replace existing constant current regulator.

FEDERAL AVIATION ADMINISTRATION

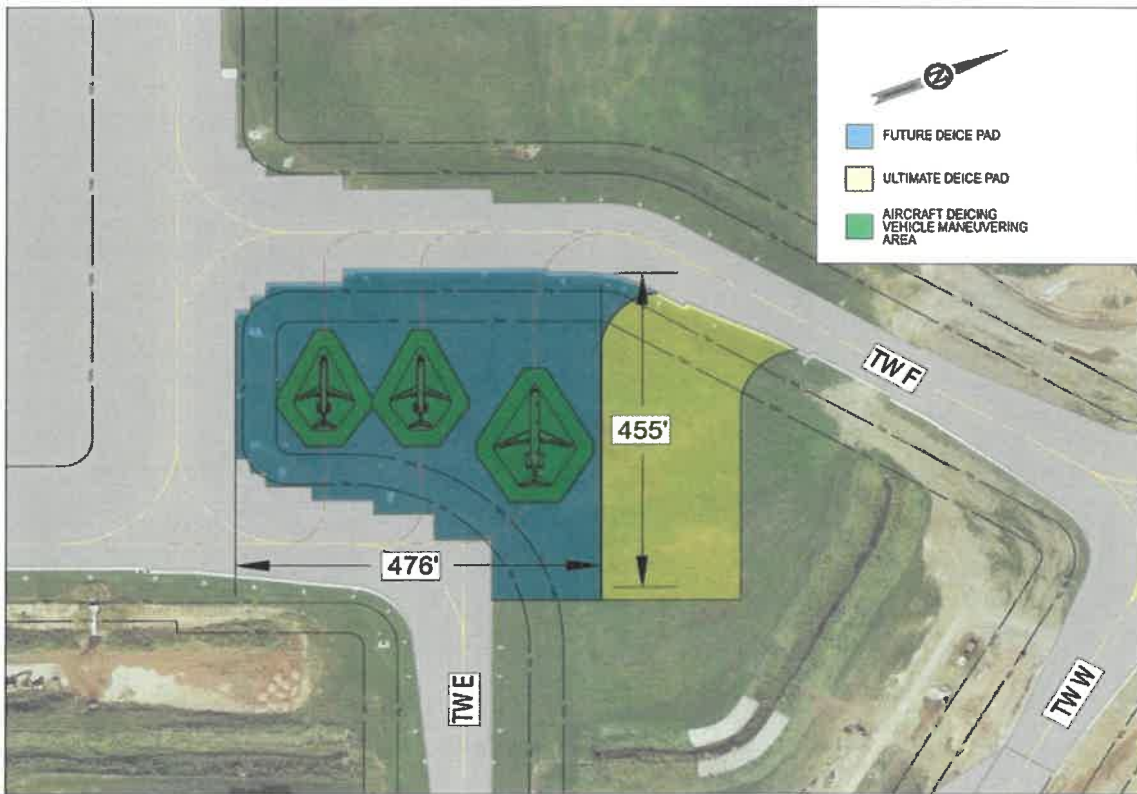
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AIP Project Type:	FAA ORDER 5100-38D, TABLE I-3, a. APRON (CONSTRUCT, EXPAND, STRENGTHEN)		
Local Priority:	2 - High	Federal Share:	\$ 5,040,000
FFY Requested:	2021	State Share:	\$0
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$560,000
		Total Project Cost:	\$ 5,600,000

PROJECT DESCRIPTION: CONSTRUCT APRON FOR GLYCOL COLLECTION – COMMERCIAL SERVICE APRON
JUSTIFICATION: A dedicated apron area allows for deice containment to be minimized to one area and runoff can be collected and kept away from storm drainage areas. The apron needs to comply with the National Pollution Discharge Elimination System (NPDES) permits. The project is shown on the 10-30-13 ALP.



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ITEM	ITEM DESCRIPTION	UNIT	SCHEDULE I		
			Quantity	Engineer's Estimate	
				Unit \$	Item \$
BASE BID ITEMS					
P-102 SAFETY AND SECURITY					
P-102a	SAFETY AND SECURITY	LS	1	\$ 5,000.00	\$ 5,000.00
P-150 DEMOLITION					
P-150a	MISCELLANEOUS DEMOLITION	LS	1	\$ 100,000.00	\$ 100,000.00
P-152 EXCAVATION AND EMBANKMENT					
P-152a	SUBGRADE PREPARATION	SY	21,600	\$ 5.00	\$ 108,000.00
P-152b	UNCLASSIFIED EXCAVATION	CY	14,400	\$ 7.00	\$ 100,800.00
P-152c	ROCK EXCAVATION	CY	500	\$ 20.00	\$ 10,000.00
P-155 LIME TREATED SUBGRADE					
P-155a	12" LIME TREATED SUBGRADE	SY	21,600	\$ 6.00	\$ 129,600.00
P-155b	LIME	TON	950	\$ 100.00	\$ 95,000.00
P-156 EROSION CONTROL					
P-156a	TEMPORARY EROSION CONTROL	LS	1	\$ 5,000.00	\$ 5,000.00
P-203 BITUMINOUS DRAINABLE BASE					
P-203a	6" BITUMINOUS DRAINABLE BASE	SY	21,600	\$ 25.00	\$ 540,000.00
P-310 FILTER FABRIC					
P-310a	FILTER FABRIC	SY	21,600	\$ 2.00	\$ 43,200.00
P-501 PORTLAND CEMENT CONCRETE PAVEMENT					
P-501a	15' NON-REINFORCED PORTLAND CEMENT CONCRETE	SY	18,360	\$ 100.00	\$ 1,836,000.00
P-501b	15' REINFORCED PORTLAND CEMENT CONCRETE	SY	3,240	\$ 120.00	\$ 388,800.00
P-620 PAVEMENT MARKING AND SIGNS					
P-620a	TAXIWAY PAINT	SF	5,000	\$ 2.50	\$ 12,500.00
P-620c	OBLITERATE TAXIWAY MARKING	SF	1,500	\$ 4.50	\$ 6,750.00
D-701 REINFORCED CONCRETE PIPE					
D-701a	INSTALL 30" RCP	LF	500	\$ 100.00	\$ 50,000.00
D-705 PIPE UNDERDRAINS FOR AIRPORTS					
D-705a	INSTALL 6" PERFORATED POLYETHYLENE PIPE	LF	1,050	\$ 25.00	\$ 26,250.00
D-705b	INSTALL 6" NON-PERFORATED POLYETHYLENE PIPE	LF	150	\$ 25.00	\$ 3,750.00
D-751 INLETS AND MANHOLES					
D-751a	INSTALL UNDERRAIN CLEANOUT	EA	6	\$ 1,200.00	\$ 7,200.00
D-751b	INSTALL INSPECTION PIT	EA	3	\$ 2,500.00	\$ 7,500.00
D-751c	INSTALL INLET, AIRCRAFT RATED	EA	1	\$ 15,000.00	\$ 15,000.00
D-751d	INSTALL MANHOLE, AIRCRAFT RATED	EA	1	\$ 15,000.00	\$ 15,000.00
D-751e	ADJUST STORM MANHOLE	EA	1	\$ 8,000.00	\$ 8,000.00

ITEM	ITEM DESCRIPTION	UNIT	SCHEDULE I		
			Quantity	Engineer's Estimate	
				Unit \$	Item \$
T-901	SEEDING				
T-901a	HYDROMULCH AND SEED	AC	1	\$ 2,500.00	\$ 2,500.00
L-108	ELECTRICAL CABLE				
L-108a	#8 AWG, L-824, TYPE C, 5000 VOLT	LF	1,250	\$ 2.00	\$ 2,500.00
L-108b	#6 BARE COUNTERPOISE WIRE	LF	625	\$ 5.00	\$ 3,125.00
L-110	ELECTRICAL CONDUIT				
L-110a	1-2" PVC CONDUIT, DIRECT EARTH BURIED	LF	625	\$ 25.00	\$ 15,625.00
L-125	AIRPORT LIGHTING				
L-125a	REMOVE T/W EDGE LIGHT	EA	15	\$ 400.00	\$ 6,000.00
L-125b	REMOVE GUIDANCE SIGN	EA	2	\$ 2,500.00	\$ 5,000.00
L-125c	INSTALL FLUSH MOUNTED T/W EDGE LIGHT	EA	-	\$ 1,500.00	\$ -
L-125d	INSTALL APRON EDGE LIGHT	EA	6	\$ 750.00	\$ 4,500.00
L-125e	INSTALL GUIDANCE SIGN	EA	2	\$ 4,500.00	\$ 9,000.00
L-125f	ADJUST ELECTRICAL JUNCTION BOX	EA	-	\$ 2,500.00	\$ -
	GLYCOL HOLDING TANKS SYSTEM				
	300,000 GALLON, GLYCOL HOLDING TANK	LS	1	\$ 500,000.00	\$ 500,000.00
	DIVERSION STRUCTURE	EA	2	\$ 65,000.00	\$ 130,000.00
ITEM TOTAL					\$ 4,191,600.00
MOBILIZATION 10%					\$ 419,160.00
CONTINGENCY 5%					\$ 230,538.00
ENGINEERING FEES 15%					\$ 726,194.70
TOTAL					\$ 5,567,492.70

Assumptions

- Assume 15 " paving section on 6" Bituminous Drainable Base on 12" Lime Treated Subgrade.
- Assume Glycol holding tank includes foundation design, lightning protection system and excavation.
- Assume secondary containment pond to meet Environmental regulations. Liners, bedding materials, etc.
- Assume diversion structures for storm events which will divert runoff to drainage system.
- Assume underdrain pipe length to be removed.
- Assume number of underdrain cleanout and inspection pits to be removed.
- Assume number of Taxiway edge light to removed and replaced.
- Assume storm drain pipe size and length.
- Assume storm drain F.E.S. size and number.

FEDERAL AVIATION ADMINISTRATION

CAPITAL IMPROVEMENT PROGRAM (CIP)

AIRPORTS DIVISION - CENTRAL REGION

CIP DATA SHEET

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	SPRINGFIELD-BRANSON NATIONAL AIRPORT, SGF, SPRINGFIELD, MISSOURI		
AIP Project Type:	FAA ORDER 5100-38D, TABLE I-3, a. APRON (CONSTRUCT, EXPAND, STRENGTHEN)		
Local Priority:	2 - High	Federal Share:	\$ 4,950,000
FFY Requested:	2021	State Share:	\$0
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$550,000
		Total Project Cost:	\$ 5,500,000

PROJECT DESCRIPTION: CONSTRUC DEICING CONTAINMENT FACILITY GLYCOL CONTAINMENT – CARGO APRON

JUSTIFICATION: Construct deicing trench drain at cargo apron. The trench drain will provide a dedicated apron area that allows for deice containment to be minimized to one area and runoff can be collected and kept away from storm drainage areas. The apron needs to comply with National Pollution Discharge Elimination System (NPDES) permits.



SPONSOR SIGNATURE BLOCK

Signature:	<i>Brian Weiler</i>	Date:	2/15/2018
Printed Name:	Brian Weiler	Title:	Director of Aviation
Phone Number:	417-868-0500	Email:	Bweiler@flyspringfield.com

ITEM	ITEM DESCRIPTION	UNIT	SCHEDULE I		
			Quantity	Engineer's Estimate	
				Unit \$	Item \$
BASE BID ITEMS					
P-102	SAFETY AND SECURITY				
P-102a	SAFETY AND SECURITY	LS	1	\$ 5,000.00	\$ 5,000.00
P-150	DEMOLITION				
P-150a	REMOVE EXISTING UNDERDRAIN	LF	850	\$ 10.00	\$ 8,500.00
P-150b	REMOVE EXISTING UNDERDRAIN CLEANOUT	EA	5	\$ 475.00	\$ 2,375.00
P-150c	REMOVE EXISTING UNDERDRAIN INSPECTION PIT	EA	2	\$ 500.00	\$ 1,000.00
P-150d	REMOVE EXISTING CONCRETE	SY	300	\$ 15.00	\$ 4,500.00
P-150e	REMOVE EXISTING F.E.S.	EA	-	\$ 250.00	\$ -
P-152	EXCAVATION AND EMBANKMENT				
P-152a	SUBGRADE PREPARATION	SY	16,150	\$ 5.00	\$ 80,750.00
P-152b	UNCLASSIFIED EXCAVATION	CY	5,000	\$ 7.00	\$ 35,000.00
P-152c	ROCK EXCAVATION	CY	500	\$ 20.00	\$ 10,000.00
P-155	LIME TREATED SUBGRADE				
P-155a	12" LIME TREATED SUBGRADE	SY	16,150	\$ 4.25	\$ 68,637.50
P-155b	LIME	TON	650	\$ 1.00	\$ 650.00
P-156	EROSION CONTROL				
P-156a	TEMPORARY EROSION CONTROL	LS	1	\$ 5,000.00	\$ 5,000.00
P-203	BITUMINOUS DRAINABLE BASE				
P-203a	6" BITUMINOUS DRAINABLE BASE	SY	16,150	\$ 22.00	\$ 355,300.00
P-310	FILTER FABRIC				
P-310a	FILTER FABRIC	SY	16,150	\$ 2.00	\$ 32,300.00
P-501	PORTLAND CEMENT CONCRETE PAVEMENT				
P-501a	15' NON-REINFORCED PORTLAND CEMENT CONCRETE	SY	13,725	\$ 100.00	\$ 1,372,500.00
P-501b	15' REINFORCED PORTLAND CEMENT CONCRETE	SY	2,425	\$ 120.00	\$ 291,000.00
P-620	PAVEMENT MARKING AND SIGNS				
P-620a	TAXIWAY PAINT	SF	-	\$ 2.50	\$ -
P-620c	OBLITERATE TAXIWAY MARKING	SF	-	\$ 3.00	\$ -
D-701	REINFORCED CONCRETE PIPE				
D-701a	INSTALL 24" RCP	LF	1,000	\$ 85.00	\$ 85,000.00
D-701b	INSTALL 30" RCP	LF	0	\$ 90.00	\$ -
D-701c	INSTALL 24" F.E.S.	EA	0	\$ 1,750.00	\$ -
D-701d	INSTALL 30" F.E.S.	EA	0	\$ 2,000.00	\$ -
D-705	PIPE UNDERDRAINS FOR AIRPORTS				
D-705a	INSTALL 6" PERFORATED POLYETHYLENE PIPE	LF	625	\$ 24.00	\$ 15,000.00
D-705b	INSTALL 6" NON-PERFORATED POLYETHYLENE PIPE	LF	65	\$ 17.00	\$ 1,105.00
D-710	RIPRAP				
D-710a	INSTALL TYPE M RIPRAP	SY	0	\$ 400.00	\$ -
D-750	TRENCHDRAIN				
D-750a	INSTALL 12" MODULAR TRENCHDRAIN	LF	0	\$ 400.00	\$ -
D-751	INLETS AND MANHOLES				
D-751a	INSTALL UNDERDRAIN CLEANOUT	EA	2	\$ 700.00	\$ 1,400.00
D-751b	INSTALL INSPECTION PIT	EA	1	\$ 2,500.00	\$ 2,500.00
D-751c	INSTALL INLET, AIRCRAFT RATED	EA	1	\$ 15,000.00	\$ 15,000.00
D-751d	INSTALL MANHOLE, AIRCRAFT RATED	EA	1	\$ 15,000.00	\$ 15,000.00
D-751e	ADJUST STORM MANHOLE	EA	0	\$ 8,000.00	\$ -

ITEM	ITEM DESCRIPTION	UNIT	SCHEDULE I		
			Quantity	Engineer's Estimate	
				Unit \$	Item \$
T-901	SEEDING				
T-901a	HYDROMULCH AND SEED	AC	1	\$ 1,500.00	\$ 1,500.00
L-108	ELECTRICAL CABLE				
L-108a	#8 AWG, L-824, TYPE C, 5000 VOLT	LF	1,250	\$ 2.00	\$ 2,500.00
L-108b	#6 BARE COUNTERPOISE WIRE	LF	625	\$ 5.00	\$ 3,125.00
L-110	ELECTRICAL CONDUIT				
L-110a	1-2" PVC CONDUIT, DIRECT EARTH BURIED	LF	625	\$ 10.00	\$ 6,250.00
L-125	AIRPORT LIGHTING				
L-125a	REMOVE T/W EDGE LIGHT	EA	15	\$ 400.00	\$ 6,000.00
L-125b	REMOVE GUIDANCE SIGN	EA	2	\$ 2,500.00	\$ 5,000.00
L-125c	INSTALL FLUSH MOUNTED T/W EDGE LIGHT	EA	-	\$ 1,500.00	\$ -
L-125d	INSTALL APRON EDGE LIGHT	EA	6	\$ 750.00	\$ 4,500.00
L-125e	INSTALL GUIDANCE SIGN	EA	2	\$ 4,500.00	\$ 9,000.00
L-125f	ADJUST ELECTRICAL JUNCTION BOX	EA	-	\$ 2,500.00	\$ -
	GLYCOL HOLDING TANKS SYSTEM				
	300,000 GALLON, GLYCOL HOLDING TANK	LS	1	\$ 500,000.00	\$ 500,000.00
	DIVERSION STRUCTURE	EA	2	\$ 65,000.00	\$ 130,000.00
	SECONDARY CONTAINMENT POND	LS	1	\$ 1,000,000.00	\$ 1,000,000.00
ITEM TOTAL					\$ 4,075,392.50
MOBILIZATION 10%					\$ 407,539.25
CONTINGENCY 5%					\$ 224,146.59
ENGINEERING FEES 15%					\$ 706,061.75
TOTAL					\$ 5,413,140.09

Assumptions

- Assume 15 " paving section on 6" Bituminous Drainable Base on 12" Lime Treated Subgrade.
- Assume Glycol holding tank includes foundation design, lightning protection system and excavation.
- Assume secondary containment pond to meet Environmental regulations. Liners, bedding materials, etc.
- Assume diversion structures for storm events which will divert runoff to drainage system.
- Assume underdrain pipe length to be removed.
- Assume number of underdrain cleanout and inspection pits to be removed.
- Assume number of Taxiway edge light to removed and replaced.
- Assume storm drain pipe size and length.
- Assume storm drain F.E.S. size and number.