

1. COMPONENT AIR FORCE RESERVE	FY 2025 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2022
3. INSTALLATION AND LOCATION YOUNGSTOWN AIR RESERVE STATION, OHIO		4. PROJECT TITLE CONSTRUCT UNPAVED ASSAULT RUNWAY		
5. PROGRAM ELEMENT 52576F	6. CATEGORY 111-411	7. PROJECT NUMBER ZQEL199004	8. PROJECT COST (\$000) 15,000	
9. COST ESTIMATES				
ITEM	UM	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				10,878
SITE EARTHWORK	CY	598,773	\$1.42	(851)
BASES & SUB-BASES	SY	151,891	\$66.02	(10,027)
SUPPORTING FACILITIES				1,778
PAVEMENT	LS	1	\$1,062,066.28	(1,062)
SITE IMPROVEMENTS	LS	1	\$278,629.50	(279)
UTILITIES	LS	1	\$437,416.22	(437)
SUBTOTAL				12,656
CONTINGENCY (5%)				<u>633</u>
TOTAL CONTRACT COST				13,289
SUPERVISION, INSPECTION, & OVERHEAD (5.7%)				757
DESIGN/BUILD – DESIGN COST (4%)				<u>506</u>
TOTAL REQUEST				14,989
TOTAL REQUEST (ROUNDED)				15,000
10. DESCRIPTION OF PROPOSED WORK: Construction to an unpaved runway will have sustainable principles for mission parameters needed to support both the C-130 and C-17 aircraft. The runway project will include both an unpaved assault runway, apron, navigation/night vision goggle (NVG) lighting as well as adequate drainage, a non-frost susceptible subgrade, a drainage layer and underdrains that will connect to the airfield storm water system to conform to life cycle cost effective practices that will be integrated into the design, development and construction of the project in accordance with EPA Act 2005 and Executive Orders 13423/13514 and other applicable laws and Executive Orders.				
11. REQUIREMENT: 52,315 ADEQUATE: 0 SM SUBSTANDARD: 52,315 SM				
PROJECT: Construct Unpaved Assault Runway (Current Mission)				
REQUIREMENT: A requirement exists for an unpaved assault runway to support mission paramters at the Ravenna Army Arsenal (30km NW of YARS), the Assault Landing Zone for training in the region. This mission has been verified to support C-130s and C-17 aircraft. A requirement exists per AFI 11-2C-130 and 11-2C-17 to comply with training requirements for air crews to be proficient at tactical landing and takeoff on unpaved assault runways. AFR 51-130 requires unpaved assault zone certification before an aircraft commander is considered to be combat ready.				

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3. **INSTALLATION AND LOCATION:**
YOUNGSTOWN AIR RESERVE STATION, OHIO

4. PROJECT TITLE: CONSTRUCT UNPAVED ASSAULT RUNWAY	5. PROJECT NUMBER ZQEL199004
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CURRENT SITUATION: The nearest unpaved assault zones are located near Pope AFB, NC, within the Fort Bragg Reservation. Availability of these training zones are severely limited by users of the reservation. Extensive delays are encountered when scheduling these zones. The three hour round trip from YARS severely limits training capabilities. This unit and other units in the region currently have a significant number of pilots whom have no NVG or unpaved assault runway training.

IMPACT IF NOT PROVIDED: The 910th AW will not be able to provide the mission requirements with the existing aircraft or new aircraft in support of our National Defense Objectives. Without a required unpaved assault runway, the aircraft within the region will be unable to train on an unpaved tactical landing zone and will cause pilots to be deficient by 40% for unpaved assault zone certification. This will result in aircraft commanders failing to be combat ready. Future mishaps during these types of operations may occur without proper training.

ADDITIONAL: All reasonable alternatives were considered during the development of this project to include status quo, add/alter, and new construction. This design shall conform to criteria established in the Air Force Corporate Facilities Standards, the Installation Facilities Standards (if applicable), and shall employ A standard facility design. Primary facility pricing based on PACES level 3 cost estimation. This project does not fall within or partly within the 100-year flood plain. This project was included in the Fiscal Year 2020 future years' defense plan in Fiscal Year 2018. Installation POC: Bryan Harris, 910 CE/CEO, Commercial: 330-847-4300. This project meets the criteria/scope specified in Air Force Reserve Command Handbook 32-1001, Standard Facility Requirements. Due to recent and ongoing communications, program and software malfunctions, the previous year's PACES estimate will be submitted and a 3% total increase to the project cost was added for inflation.

64,000 SM = 688,890 Square Feet

JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force Reserve requirements.

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<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">1. Status:</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">(a) Type Of Design</td> <td style="text-align: right;">Design-Build</td> </tr> <tr> <td style="padding-left: 40px;">(b) Date Design Started</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">(c) Parametric Cost Estimate use to develop costs</td> <td style="text-align: right;">YES</td> </tr> <tr> <td style="padding-left: 40px;">(d) Percent Complete as of 01 JAN 2021</td> <td style="text-align: right;">0%</td> </tr> <tr> <td style="padding-left: 40px;">(e) Date 35% Designed</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">(f) Date Design Complete</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">YES</td> </tr> </table> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">2. Basis</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">(a) Standard or Definitive Design</td> <td style="text-align: right;">Standard</td> </tr> <tr> <td style="padding-left: 40px;">(b) Where Design Was Most Recently Used</td> <td></td> </tr> </table> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">3. Total Cost = (c) = (a) + (b) or (d) + (e)</td> <td style="text-align: right;">(\$14,989)</td> </tr> <tr> <td style="padding-left: 40px;">(a) Construction Award</td> <td style="text-align: right;">(\$14,483)</td> </tr> <tr> <td style="padding-left: 40px;">(b) All Other Design Costs</td> <td style="text-align: right;">(\$506)</td> </tr> <tr> <td style="padding-left: 40px;">(c) Total</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">(d) Contract</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">(e) In-House</td> <td></td> </tr> </table> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">4. Construction Contact Award</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">5. Construction Start</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">6. Construction Completion</td> <td></td> </tr> </table> <p>B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:</p> <table border="0" style="width: 100%; margin-left: 40px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated Or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> </table>			1. Status:		(a) Type Of Design	Design-Build	(b) Date Design Started		(c) Parametric Cost Estimate use to develop costs	YES	(d) Percent Complete as of 01 JAN 2021	0%	(e) Date 35% Designed		(f) Date Design Complete		(g) Energy Study/Life-Cycle analysis was/will be performed	YES	2. Basis		(a) Standard or Definitive Design	Standard	(b) Where Design Was Most Recently Used		3. Total Cost = (c) = (a) + (b) or (d) + (e)	(\$14,989)	(a) Construction Award	(\$14,483)	(b) All Other Design Costs	(\$506)	(c) Total		(d) Contract		(e) In-House		4. Construction Contact Award		5. Construction Start		6. Construction Completion		<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
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5. FREQUENCY AND TYPE UTILIZATION Daily use by technician and AGR force. One unit training assembly per month, 15 days annual field training per year.																		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None																		
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST (\$000)</u></th> <th style="text-align: left;"><u>DESIGN START</u></th> <th style="text-align: left;"><u>DESIGN COMPLETE</u></th> </tr> </thead> <tbody> <tr> <td>111-411</td> <td>CONSTRUCT UNPAVED ASSAULT RUNWAY</td> <td>52,315</td> <td>15,000</td> <td></td> <td></td> </tr> </tbody> </table>							<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN START</u>	<u>DESIGN COMPLETE</u>	111-411	CONSTRUCT UNPAVED ASSAULT RUNWAY	52,315	15,000		
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111-411	CONSTRUCT UNPAVED ASSAULT RUNWAY	52,315	15,000															
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION																		
9. LAND ACQUISITION REQUIRED					<i>(Number of Acres)</i>													
<div style="text-align: center;">NO</div>																		
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST (\$000)</u></th> <th style="text-align: left;"><u>YEAR</u></th> </tr> </thead> <tbody> </tbody> </table>							<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>YEAR</u>							
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RPM BACKLOG AT THIS INSTALLATION (\$000):

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11. PERSONNEL STRENGTH AS OF JAN 20120							
	<u>PERMANENT (ARTs, AGRs, Non-ART Civilians)</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	403	34	166	203	1,087	156	931
ACTUAL	403	34	166	203	1,123	121	1,002
12. RESERVE UNIT DATA							
	<u>STRENGTH</u>						
<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>				
910 Airlift Wing Staff	58		68				
910 Operations Group	14		17				
910 Operations Support Squadron	49		57				
757 Airlift Squadron	132		116				
910 Maintenance Group	45		42				
910 Maintenance Squadron	174		150				
910 Aircraft Maintenance Squadron	138		123				
910 Mission Support Group	20		23				
910 Civil Engineer Squadron	127		118				
910 Security Forces Squadron	146		166				
910 Force Support Squadron	63		85				
910 Logistics Readiness Squadron	85		93				
910 Communications Squadron	39		62				
76 Aerial Port Squadron	123		121				
910 Medical Squadron	155		145				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>		<u>AUTHORIZED</u>		<u>ASSIGNED</u>		
	C-130H		8		8		