

**DOD Education Activity  
 FY 2018 Military Construction, Defense-Wide  
 (\$ in Thousands)**

<b><u>State/Installation/Project</u></b>	<b><u>Authorization Request</u></b>	<b><u>Approp. Request</u></b>	<b><u>New/ Current Mission</u></b>	<b><u>Page No.</u></b>
<b>Puerto Rico</b>				
Punta Borinquen Ramey Unit School Replacement	61,071	61,071	C	100
<b>Germany</b>				
U.S. Army Garrison Stuttgart Robinson Barracks Elementary School Replacement	46,609	46,609	C	105
<b>Germany</b>				
Spangdahlem Air Base Spangdahlem Elementary School Replacement	79,141	79,141	C	109
<b>Italy</b>				
U.S. Army Garrison Vicenza Vicenza High School Replacement	62,406	62,406	C	113
<b>Total</b>	<b>249,227</b>	<b>249,227</b>		

1. COMPONENT DoDEA		<b>FY 2018 MILITARY CONSTRUCTION PROGRAM</b>					2. Date MAY 2017				
3. Installation and Location  USCG STATION; PUNTA BORINQUEN, PUERTO RICO				4. COMMAND  DoDEA			5. AREA CONSTRUCTION COST INDEX  1.08				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 2016							448				448
b. END FY 2021							448				448
7. INVENTORY DATA (\$000)											
TOTAL ACREAGE .....										0	
INVENTORY TOTAL AS OF .....										0	
AUTHORIZATION NOT YET IN INVENTORY.....										0	
AUTHORIZATION REQUESTED IN THIS PROGRAM.....										61,071	
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....										0	
PLANNED IN NEXT THREE PROGRAM YEARS.....										0	
REMAINING DEFICIENCY.....										0	
GRAND TOTAL.....										61,071	
8. PROJECTS REQUESTED IN THIS PROGRAM											
<u>CATEGORY CODE</u>		<u>PROJECT TITLE</u>			<u>SCOPE</u>		<u>COST (\$000)</u>		<u>DESIGN START</u>		<u>STATUS COMPLETE</u>
73046		RAMEY UNIT SCHOOL REPLACEMENT			126,706 SF		61,071		FEB 2016		JUL 2021
9. FUTURE PROJECTS											
a. INCLUDED IN FOLLOWING PROGRAM None											
b. PLANNED IN NEXT THREE YEARS None											
10. MISSION OR MAJOR FUNCTIONS Military Dependent Education											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: None											

1. COMPONENT DODEA	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. Date MAY 2017
3. INSTALLATION AND LOCATION USCG STATION; PUNTA BORINQUEN, PUERTO RICO			4. PROJECT TITLE: RAMEY UNIT SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 73046	7. PROJECT NUMBER AM00049	8. PROJECT COST (\$000) 61,071	
<b>9. COST ESTIMATES</b>				
Item	U/M	Quantity	Unit Cost	Cost (\$000)
<b>PRIMARY FACILITIES</b>				<b>41,278</b>
RAMEY UNIT SCHOOL (73046)	SF	124,730	315.02	39,292
FIELD HOUSE (44220)	SF	1,976	235.00	464
SDD AND FEDERAL ENERGY ACTS COMPLIANCE	LS			772
CYBERSECURITY MEASURES	LS			750
<b>SUPPORTING FACILITIES</b>				<b>12,827</b>
TEMPORARY FACILITIES	LS			303
SPECIAL CONSTRUCTION FEATURES (SEISMIC)	SF	124,730	3.41	425
CANOPIES	LS			289
ELECTRICAL/GAS UTILITIES	LS			631
COMMUNICATION UTILITIES	LS			542
WATER/SEWER UTILITIES	LS			2,117
SITE PREPERATION	LS			888
ROADS, SIDEWALKS AND PARKING	LS			970
SITE IMPROVEMENTS	LS			1,898
AT/FP	LS			263
DEMOLITION	LS			3,484
LOW IMPACT DEVELOPMENT (LID)	LS			255
ENVIRONMENTAL MITIGATION (ACM/LEAD)	LS			152
SPECIAL COSTS (EMERGENCY GENERATOR)	LS			234
SPECIAL COSTS (ACCESS CONTROL POINT)	EA	2	188,000.00	376
ESTIMATED CONTRACT COST				<b>54,105</b>
CONTINGENCY PERCENT (5%)				<u>2,705</u>
SUBTOTAL				<b>56,810</b>
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				3,693
ENGINEERING DURING CONSTRUCTION				<u>568</u>
TOTAL REQUEST				<b>61,071</b>
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				<b>3,313</b>
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
<p>Construct a new multi-story unit school with functional areas containing general learning neighborhoods, staff collaboration areas, career technical education spaces, computing center, science labs, art room, music suite, occupational/physical therapy rooms, shared commons, performance space, information center, physical education spaces, food service areas, administration, miscellaneous offices, guidance counseling center, special education office, health services, janitorial administration, maintenance support, school supply/storage area, technology service center, and other required areas for a fully functioning unit school. Typical construction is anticipated to consist of shallow foundations with cast in place concrete wall and floor construction, cast in place concrete and metal deck roofing, reinforced concrete and metal stud/ drywall partitions, operable partitions and storefront glazing systems.</p> <p>Construct a single story field house with functional areas containing concession, concession storage, restrooms, team equipment storage, and a covered gathering area. Typical construction is anticipated to consist of concrete beam and pile foundation, concrete and structural steel frame, concrete exterior walls, gypsum wallboard partitions, and</p>				

1. COMPONENT DODEA	<b>FY 2018 MILITARY CONSTRUCTION PROJECT DATA</b>			2. Date MAY 2017
3. INSTALLATION AND LOCATION USCG STATION; PUNTA BORINQUEN, PUERTO RICO			4. PROJECT TITLE: RAMEY UNIT SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 73046	7. PROJECT NUMBER AM00049	8. PROJECT COST (\$000) 61,071	
<p>reinforced concrete walls.</p> <p>Department of Defense (DoD) and Department of Defense Education Activity (DoDEA) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to provide cyber security engineering and validation as specified in DoD Unified Facility Criteria.</p> <p>The building will require special construction to meet the seismic design requirements for the school's location.</p> <p>The project includes site work such as signage, fencing, paving, landscaping, canopies, exterior lighting, utilities, athletic fields, water storage, and playgrounds.</p> <p>The project includes related infrastructure such as water, sewer, electrical, staff, student, bus and visitor parking areas, parent drop off lane, mechanical rooms, emergency access lanes, bus loading/unloading areas, lightning protection, chiller yard and delivery areas.</p> <p>The project will require demolition of 24 buildings for approximately 123,000 SF. Hazardous materials abatement will be required for asbestos containing materials and lead in the buildings to be demolished.</p> <p>This project will require the addition of an emergency power generator in order to provide a back-up power source to information technology and other critical infrastructure during power outages.</p> <p>The project will require the construction of two access control points which will include a guard house, canopy, automated drop arm and automated entry gate.</p> <p>Facilities will be designed in accordance with DoDEA Education Facilities Specifications.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. REQUIREMENT: 126,706 SF ADQT: 00,000 SF SUBSTD: 122,792 SF</p> <p><u>PROJECT:</u></p> <p>This project replaces the existing unit school by constructing a new unit school.</p> <p><u>REQUIREMENT:</u></p> <p>The new school is required to provide adequate academic facilities for 448 students in grades PK – 12.</p> <p><u>CURRENT SITUATION:</u></p> <p>The current Ramey School is a facility that was constructed in 1969. Minor additions include a new guard house which was constructed in 2001 and a cart storage building completed in 2009. The facility is failing. The following systems are expired or are failing; branch circuits, electrical service distribution, exterior doors, exterior windows, fire alarm system, air conditioning equipment, distribution, hydronic system, intercom system, PA system, LAN, lighting, roof</p>				

1. COMPONENT DODEA	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. Date MAY 2017
3. INSTALLATION AND LOCATION USCG STATION; PUNTA BORINQUEN, PUERTO RICO			4. PROJECT TITLE: RAMEY UNIT SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 73046	7. PROJECT NUMBER AM00049	8. PROJECT COST (\$000) 61,071	
coverings, wall finishes, casework, ceiling finishes, exit lights, exterior finishes, floor finishes, plumbing fixtures & piping, security system, elevator and toilet partitions. The current Ramey School and the proposed site for the new school are located on Department of Homeland Security land that is leased to the Department of the Army; DoDEA has a land use agreement with the Department of the Army to operate the school on this location. The school supports a student population mixture from the Department of Defense, the Department of Homeland Security and other federal agencies.				
<b>IMPACT IF NOT PROVIDED:</b>				
If a new facility is not provided, the substandard environment will continue to hamper the educational process and the school will not be able to support the curriculum and provide for a safe facility. The required maintenance and repair of expired and failing systems will continue to strain maintenance capabilities and budgets if the facility is the not replaced.				
12. Supplemental Data:				
A. Design Data (Estimated):				
(1) Status:				
(a) Design Start Date			FEB 2016	
(b) Parametric Cost Estimate Used to Develop Costs			YES	
(c) Percent of Design Completed as of 1 JAN 2017			15%	
(d) Expected 35% Design Date			AUG 2017	
(e) 100% Design Completion Date			MAR 2018	
(f) Type of Design Contract:			Design/Bid/Build	
(2) Basis:				
(a) Standard or Definitive Design - (YES/NO)			NO	
(b) Date Design was Most Recently Used			N/A	
(3) Total Design Cost (c)=(a)+(b) OR (d)+(e):				
(a) Production of Plans and Specifications				
(b) All Other Design Costs				
(c) Total Design Cost			6,107	
(d) Contract			3,664	
(e) In-house			2,442	
(4) Construction Contract Award Date			JUL 2018	
(5) Construction Start Date			AUG 2018	
(6) Construction Completion Date			JUL 2021	
B. Equipment associated with this project which will be provided from other appropriations:				
Equipment	Procuring	Fiscal Year	Cost	
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>(\$000)</u>	
Furnishings	O&M	2020	515	
Kitchen	O&M	2020	336	
IT	O&M	2020	1,180	
Education Supplies	O&M	2020	1,226	
Safety & Security	O&M	2020	56	
Equipment				

1. COMPONENT DODEA	<b>FY 2018 MILITARY CONSTRUCTION PROJECT DATA</b>			2. Date MAY 2017
3. INSTALLATION AND LOCATION USCG STATION; PUNTA BORINQUEN, PUERTO RICO			4. PROJECT TITLE: RAMEY UNIT SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 73046	7. PROJECT NUMBER AM00049	8. PROJECT COST (\$000) 61,071	
<p><u>JOINT USE CERTIFICATION:</u></p> <p>This facility will be used by Department of Defense and Department of Homeland Security, and other components on an "as available" basis. The scope of the project is based on DoDEA and Department of Homeland Security requirements.</p> <p>DoDEA POC (571) 372-1405</p>				

1. COMPONENT DoDEA		<b>FY 2018 MILITARY CONSTRUCTION PROGRAM</b>					2. Date MAY 2017				
3. Installation and Location  US ARMY GARRISON STUTTGART, GERMANY				4. COMMAND  DoDEA			5. AREA CONSTRUCTION COST INDEX  1.05				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN		
a. AS OF 30 SEP 2016						315			7	322	
b. END FY 2024						315			7	322	
7. INVENTORY DATA (\$000)											
TOTAL ACREAGE ..... 0											
INVENTORY TOTAL AS OF ..... 0											
AUTHORIZATION NOT YET IN INVENTORY..... 0											
AUTHORIZATION REQUESTED IN THIS PROGRAM..... 46,609											
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..... 0											
PLANNED IN NEXT THREE PROGRAM YEARS..... 0											
REMAINING DEFICIENCY..... 0											
GRAND TOTAL..... 46,609											
8. PROJECTS REQUESTED IN THIS PROGRAM											
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>				<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN START</u>	<u>STATUS COMPLETE</u>			
73046	ROBINSON BARRACKS ELEMENTARY SCHOOL REPLACEMENT				80,906 SF	46,609	MAR 2016	APR 2023			
9. FUTURE PROJECTS											
a. INCLUDED IN FOLLOWING PROGRAM None											
b. PLANNED IN NEXT THREE YEARS None											
10. MISSION OR MAJOR FUNCTIONS Military Dependent Education											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: None											

1. COMPONENT DODEA	<b>FY 2018 MILITARY CONSTRUCTION PROJECT DATA</b>			2. Date MAY 2017	
3. INSTALLATION AND LOCATION US ARMY GARRISON STUTT GART, GERMANY			4. PROJECT TITLE: ROBINSON BARRACKS ELEMENTARY SCHOOL REPLACEMENT		
5. PROGRAM ELEMENT	6. CATEGORY CODE 73046	7. PROJECT NUMBER EU00070	8. PROJECT COST (\$000) 46,609		
<b>9. COST ESTIMATES</b>					
Item		U/M	Quantity	Unit Cost	Cost (\$000)
<b>PRIMARY FACILITIES</b>					<b>26,906</b>
ROBINSON BARRACKS ELEMENTARY SCHOOL (73046)		SF	80,906	314.59	25,452
SDD AND FEDERAL ENERGY ACTS COMPLIANCE		LS			475
CYBERSECURITY MEASURES		LS			741
SPECIAL COSTS (TEMP FACILITIES)		LS			238
<b>SUPPORTING FACILITIES</b>					<b>14,386</b>
CANOPIES		LS			279
ELECTRICAL/GAS UTILITIES		LS			559
COMMUNICATION UTILITIES		LS			353
WATER/SEWER UTILITIES		LS			666
MECHANICAL UTILITIES		LS			82
SITE PREPARATION		LS			2,380
ROADS, SIDEWALKS AND PARKING		LS			2,086
SITE IMPROVEMENTS		LS			3,672
AT/FP		LS			531
DEMOLITION		LS			3,155
LOW IMPACT DEVELOPMENT		LS			74
ENVIRONMENTAL MITIGATION		LS			549
ESTIMATED CONTRACT COST (sum of primary and supporting)					<b>41,292</b>
CONTINGENCY PERCENT (5%)					<u>2,065</u>
SUBTOTAL					<b>43,357</b>
SUPERVISION, INSPECTION & OVERHEAD (6.5%)					2,818
ENGINEERING DURING CONSTRUCTION					<u>434</u>
TOTAL REQUEST					<b>46,609</b>
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)					<b>2,316</b>
10. DESCRIPTION OF PROPOSED CONSTRUCTION:					
<p>Construct a multi-story elementary school with functional areas containing neighborhoods, learning studios, learning hubs, staff collaboration areas, computing center, art room, music room, learning impaired mild moderate, a commons area, multi-purpose room, information center, a physical education area with gymnasium, food service, administrative offices, guidance counseling center, a special education office, parents' center, health services area, maintenance support, central storage area, technology service center, and other required areas for a fully functioning elementary school. A district superintendent's office will be included within the school building. Typical construction is anticipated to consist of concrete beam and pile foundation, concrete and structural steel frame, concrete exterior walls, gypsum wallboard partitions, operable/movable partition walls, and reinforced concrete walls.</p> <p>Department of Defense (DoD) and Department of Defense Education Activity (DoDEA) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to provide cyber security engineering and validation as specified in DoD Unified Facility Criteria.</p>					

1. COMPONENT DODEA	<b>FY 2018 MILITARY CONSTRUCTION PROJECT DATA</b>			2. Date MAY 2017
3. INSTALLATION AND LOCATION  US ARMY GARRISON STUTTGART, GERMANY			4. PROJECT TITLE:  ROBINSON BARRACKS ELEMENTARY SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE  73046	7. PROJECT NUMBER  EU00070	8. PROJECT COST (\$000)  46,609	
<p>The project will require the construction of temporary classroom facilities to operate the elementary school functions while the new school is under construction.</p> <p>The project includes related infrastructure such as water, sewer, electrical, communication lines, staff and visitor parking areas, parent drop off lane, mechanical rooms, emergency access lanes, bus loading/unloading areas, and delivery areas.</p> <p>The project includes site improvements such as signage, fencing, paving, landscaping, covered walkways, exterior lighting, utilities, and playground area.</p> <p>The project will require demolition of four buildings for approximately 139,000 SF.</p> <p>Facilities will be designed in accordance with DoDEA Education Facilities Specifications and German standards and codes.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. REQUIREMENT: 80,906 SF      ADQT: 0 SF      SUBSTD: 138,267 SF</p> <p><u>PROJECT:</u></p> <p>This project replaces an existing elementary-middle school by constructing a new elementary school and district superintendent's office.</p> <p><u>REQUIREMENT:</u></p> <p>The new school is required to provide adequate academic facilities for 315 students in grades Pre-Kindergarten through Fifth grade. The district superintendent area office has seven staff.</p> <p><u>CURRENT SITUATION:</u></p> <p>The current main building for Robinson Barracks Elementary School was constructed in 1944. Additional classroom space, a cafeteria and the gymnasium were constructed from 1952 to 1953. The facility was operated as a combined elementary-middle school facility until 2015. The capacity of the current facility is 750 students and is oversized for the current elementary school requirement. The facility is failing. The following systems are expired or are failing; electrical service distribution, exterior doors, exterior windows, fire alarm system, hydronic system, lighting, casework, ceiling finishes, exterior finishes, floor finishes, plumbing fixtures, and piping. The following life safety violations include: missing exit lighting, aging fire alarm systems, doors without closers leading to corridors, and missing visual alarms.</p> <p><u>IMPACT IF NOT PROVIDED:</u></p> <p>If a new facility is not provided, the substandard environment will continue to hamper the educational process and the school will not be able to support the curriculum and provide for a safe facility. The required maintenance and repair of expired and failing systems will continue to strain maintenance capabilities and budgets if the facility is the not replaced.</p>				

1. COMPONENT DODEA	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. Date MAY 2017
3. INSTALLATION AND LOCATION US ARMY GARRISON STUTTGART, GERMANY			4. PROJECT TITLE: ROBINSON BARRACKS ELEMENTARY SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 73046	7. PROJECT NUMBER EU00070	8. PROJECT COST (\$000) 46,609	
12. Supplemental Data:				
A. Design Data (Estimated):				
(1) Status:				
(a) Design Start Date				Mar 2016
(b) Parametric Cost Estimate Used to Develop Costs				YES
(c) Percent of Design Completed as of 1 JAN 2017				15%
(d) Expected 35% Design Date				Dec 2017
(e) 100% Design Completion Date				Aug 2018
(f) Type of Design Contract:				Design/Bid/Build
(2) Basis:				
(a) Standard or Definitive Design - (YES/NO)				NO
(b) Date Design was Most Recently Used				N/A
(3) Total Design Cost (c)=(a)+(b) OR (d)+(e):				
(a) Production of Plans and Specifications				
(b) All Other Design Costs				
(c) Total Design Cost				4,661
(d) Contract				2,797
(e) In-house				1,864
(4) Tree Cutting and Utilities Contract Award Date				Jan 2018
(5) Construction Contract Award Date				Sep 2018
(6) Construction Start Date				Dec 2018
(7) Construction Completion Date				Apr 2023
B. Equipment associated with this project which will be provided from other appropriations:				
Equipment	Procuring	Fiscal Year	Cost	
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>(\$000)</u>	
		<u>Or Requested</u>		
Furnishings	O&M	2020	362	
Kitchen	O&M	2020	237	
IT	O&M	2020	949	
Education Supplies	O&M	2020	602	
Safety Equipment	O&M	2020	5	
Security Equipment	O&M	2020	36	
Uninterruptible Power Supply	O&M	2020	125	
<u>JOINT USE CERTIFICATION:</u>				
This facility can be used by other components on an "as available" basis; however, the scope of the project is based on DoDEA requirements.				
DoDEA POC (571) 372-1405				

1. COMPONENT DoDEA		<b>FY 2018 MILITARY CONSTRUCTION PROGRAM</b>					2. Date MAY 2017				
3. Installation and Location  SPANGDAHLEM AIR BASE, GERMANY				4. COMMAND  DoDEA			5. AREA CONSTRUCTION COST INDEX  1.05				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN		
a. AS OF 30 SEP 2016						674				674	
b. END FY 2024						880				880	
7. INVENTORY DATA (\$000)											
TOTAL ACREAGE .....										0	
INVENTORY TOTAL AS OF .....										0	
AUTHORIZATION NOT YET IN INVENTORY.....										0	
AUTHORIZATION REQUESTED IN THIS PROGRAM.....										79,141	
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....										0	
PLANNED IN NEXT THREE PROGRAM YEARS.....										0	
REMAINING DEFICIENCY.....										0	
GRAND TOTAL.....										79,141	
8. PROJECTS REQUESTED IN THIS PROGRAM											
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN START</u>	<u>STATUS COMPLETE</u>						
730787	SPANGDAHLEM ELEMENTARY SCHOOL REPLACEMENT	159,947 SF	79,141	MAR 2016	JUN 2023						
9. FUTURE PROJECTS											
a. INCLUDED IN FOLLOWING PROGRAM None											
b. PLANNED IN NEXT THREE YEARS None											
10. MISSION OR MAJOR FUNCTIONS Military Dependent Education											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: None											

1. COMPONENT DoDEA	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. Date MAY 2017
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY			4. PROJECT TITLE: SPANGDAHLEM ELEMENTARY SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 730787	7. PROJECT NUMBER EU00116	8. PROJECT COST (\$000) 79,141	
<b>9. COST ESTIMATES</b>				
Item	U/M	Quantity	Unit Cost	Cost (\$000)
<b>PRIMARY FACILITIES</b>				
SPANGDAHLEM ELEMENTARY SCHOOL (730787)	SF	159,947	341.18	<b>56,025</b>
SDD AND FEDERAL ENERGY ACTS COMPLIANCE	LS			54,571
CYBERSECURITY MEASURES	LS			538
SPECIAL COST – TEMP BUS PARKING	LS			741
				175
<b>SUPPORTING FACILITIES</b>				
SPECIAL CONSTRUCTION (Foundation and Seismic)	LS			<b>14,088</b>
CANOPIES	LS			1,131
ELECTRICAL/GAS UTILITIES	LS			367
COMMUNICATION UTILITIES	LS			442
WATER/SEWER UTILITIES	LS			560
MECHANICAL UTILITIES	LS			999
SITE PREPARATION	LS			149
ROADS, SIDEWALKS AND PARKING	LS			732
SITE IMPROVEMENTS	LS			1,796
AT/FP	LS			1,610
DEMOLITION	LS			2,598
LOW IMPACT DEVELOPMENT(LID)	LS			2,865
ENVIRONMENTAL MITIGATION	LS			350
				489
ESTIMATED CONTRACT COST (sum of primary and supporting)				<b>70,113</b>
CONTINGENCY PERCENT (5%)				3,507
SUBTOTAL				<b>73,620</b>
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				4,785
ENGINEERING DURING CONSTRUCTION				736
TOTAL REQUEST				<b>79,141</b>
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				<b>5,187</b>
10. DESCRIPTION OF PROPOSED CONSTRUCTION:				
<p>Construct a multi-story elementary school with functional areas containing general learning neighborhoods, learning studios, learning hubs, staff collaboration areas, art room, music suite, occupational therapy/physical therapy, a commons area, a multipurpose space, information center, computing center, a physical education area with gymnasium, food service, administrative offices, guidance counseling center, a special education office, health services area, maintenance support, transportation support office, central storage area, and a technology service center, and other required areas for a fully functioning elementary school. Typical construction is anticipated to consist of concrete beam and pile foundation, concrete and structural steel frame, concrete exterior walls, gypsum wallboard partitions, operable/movable partition walls, and reinforced concrete walls.</p> <p>Department of Defense (DoD) and Department of Defense Education Activity (DoDEA) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to provide cyber security engineering and validation as specified in DoD Unified Facility Criteria.</p>				

1. COMPONENT DoDEA	<b>FY 2018 MILITARY CONSTRUCTION PROJECT DATA</b>			2. Date MAY 2017
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY			4. PROJECT TITLE: SPANGDAHLEM ELEMENTARY SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 730787	7. PROJECT NUMBER EU00116	8. PROJECT COST (\$000) 79,141	
<p>The project will require the construction of temporary bus parking facilities to operate the bus parking functions while the new school is under construction.</p> <p>The project includes related infrastructure such as water, sewer, electrical, communications, staff and visitor parking areas, parent drop off lane, mechanical rooms, emergency access lanes, bus and van loading/unloading and parking areas, and delivery areas.</p> <p>The project includes site improvements such as signage, fencing, paving, landscaping, covered walkways, exterior lighting, utilities, and playground areas.</p> <p>The project will require demolition of 10 buildings for approximately 95,000 SF.</p> <p>The project will require mitigation and removal of an existing forested area on the site as well as mitigation of endangered species within the forested area.</p> <p>Facilities will be designed in accordance with DoDEA Education Facilities Specifications and German standards and codes.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. REQUIREMENT: 159,947 SF                      ADQT: 0 SF                      SUBSTD: 94,552 SF</p> <p><u>PROJECT:</u></p> <p>This project replaces the existing elementary school by constructing a new elementary school.</p> <p><u>REQUIREMENT:</u></p> <p>The new school is required to provide adequate academic facilities for 880 students in grades Pre-k through 5<sup>th</sup> grade.</p> <p>The current student population is 632 students. A net increase of approximately 1,000 service personnel is expected on Spangdahlem Air Base by 2024. The projected student population of 880 students accounts for the expected personnel increase.</p> <p><u>CURRENT SITUATION:</u></p> <p>The current Spangdahlem Elementary School was constructed in 1954. A minor addition was constructed on the campus in 1987. The facility is in poor condition. The following systems are expired or are failing; branch circuits, electrical service distribution, exterior doors, exterior windows, fire alarm system, air conditioning equipment, hydronic system, intercom system, public announcement system, local area network, lighting, roof coverings, wall finishes, casework, ceiling finishes, exit lights, exterior finishes, floor finishes, plumbing fixtures &amp; piping, security system, and toilet partitions.</p> <p><u>IMPACT IF NOT PROVIDED:</u></p> <p>If a new facility is not provided, the substandard environment will continue to hamper the educational process and the school will not be able to support the curriculum and provide for a safe facility. The required maintenance and repair of</p>				

1. COMPONENT DoDEA	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. Date MAY 2017
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY			4. PROJECT TITLE: SPANGDAHLEM ELEMENTARY SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 730787	7. PROJECT NUMBER EU00116	8. PROJECT COST (\$000) 79,141	
expired and failing systems will continue to strain maintenance capabilities and budgets if the facility is the not replaced.				
12. Supplemental Data:				
A. Design Data (Estimated):				
(1) Status:				
(a) Design Start Date				Mar 2016
(b) Parametric Cost Estimate Used to Develop Costs				YES
(c) Percent of Design Completed as of 1 JAN 2017				15%
(d) Expected 35% Design Date				Dec 2017
(e) 100% Design Completion Date				Aug 2018
(f) Type of Design Contract:				Design/Bid/Build
(2) Basis:				
(a) Standard or Definitive Design - (YES/NO)				NO
(b) Date Design was Most Recently Used				N/A
(3) Total Design Cost (c)=(a)+(b) OR (d)+(e):				
(a) Production of Plans and Specifications				
(b) All Other Design Costs				
(c) Total Design Cost				7,914
(d) Contract				4,748
(e) In-house				3,166
(4) Tree Cutting and Utilities Contract Award Date				Jan 2018
(5) Construction Contract Award Date				Sep 2018
(6) Construction Start Date				Dec 2018
(7) Construction Completion Date				Jun 2023
B. Equipment associated with this project which will be provided from other appropriations:				
Equipment	Procuring	Fiscal Year	Appropriated	Cost
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Or Requested</u>		<u>(\$000)</u>
Furnishings	O&M	2020		1,050
Kitchen	O&M	2020		686
IT	O&M	2020		1,597
Education Supplies	O&M	2020		1,745
Safety Equipment	O&M	2020		5
Security Equipment	O&M	2020		104
<u>JOINT USE CERTIFICATION:</u>				
This facility can be used by other components on an "as available" basis; however, the scope of the project is based on DoDEA requirements.				
DoDEA POC (571) 372-1405				

1. COMPONENT DoDEA		<b>FY 2018 MILITARY CONSTRUCTION PROGRAM</b>					2. Date MAY 2017				
3. Installation and Location  US ARMY GARRISON VICENZA, ITALY				4. COMMAND  DoDEA			5. AREA CONSTRUCTION COST INDEX  1.28				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN		
a. AS OF 30 SEP 2016						1426				1426	
b. END FY 2020						1460				1460	
7. INVENTORY DATA (\$000)											
TOTAL ACREAGE .....										0	
INVENTORY TOTAL AS OF .....										0	
AUTHORIZATION NOT YET IN INVENTORY.....										0	
AUTHORIZATION REQUESTED IN THIS PROGRAM.....										62,406	
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....										0	
PLANNED IN NEXT THREE PROGRAM YEARS.....										0	
REMAINING DEFICIENCY.....										0	
GRAND TOTAL.....										62,406	
8. PROJECTS REQUESTED IN THIS PROGRAM											
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN START</u>	<u>STATUS COMPLETE</u>				
73046	VICENZA HIGH SCHOOL REPLACEMENT			116,870 SF	62,406	MAR 2016	SEP 2020				
9. FUTURE PROJECTS											
a. INCLUDED IN FOLLOWING PROGRAM None											
b. PLANNED IN NEXT THREE YEARS None											
10. MISSION OR MAJOR FUNCTIONS Military Dependent Education											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: None											

1. COMPONENT DoDEA	<b>FY 2018 MILITARY CONSTRUCTION PROJECT DATA</b>			2. Date MAY 2017	
3. INSTALLATION AND LOCATION US ARMY GARRISON VICENZA, ITALY			4. PROJECT TITLE: VICENZA HIGH SCHOOL REPLACEMENT		
5. PROGRAM ELEMENT	6. CATEGORY CODE 73046	7. PROJECT NUMBER EU00117	8. PROJECT COST (\$000) 62,406		
<b>9. COST ESTIMATES</b>					
Item		U/M	Quantity	Unit Cost	Cost (\$000)
<b>PRIMARY FACILITIES</b>					<b>43,687</b>
VICENZA HIGH SCHOOL (73046)		SF	114,114	358.27	40,884
FIELD HOUSE (44220)		SF	2,756	305.52	842
SDD AND FEDERAL ENERGY ACTS COMPLIANCE		LS			1,220
CYBERSECURITY MEASURES		LS			741
<b>SUPPORTING FACILITIES</b>					<b>10,591</b>
CANOPIES		LS			147
ELECTRICAL/GAS UTILITIES		LS			1,086
COMMUNICATION UTILITIES		LS			272
WATER/SEWER UTILITIES		LS			873
MECHANICAL UTILITIES		LS			1,338
SITE PREPARATION		LS			604
ROADS, SIDEWALKS AND PARKING		LS			429
SITE IMPROVEMENTS		LS			3,242
AT/FP		LS			317
DEMOLITION		LS			2,268
LOW IMPACT DEVELOPMENT		LS			15
ESTIMATED CONTRACT COST (sum of primary and supporting)					<b>54,278</b>
CONTINGENCY PERCENT (5%)					<u>2,714</u>
SUBTOTAL					<b>56,992</b>
SUPERVISION, INSPECTION & OVERHEAD (6.5%)					3,704
ENGINEERING DURING CONSTRUCTION					570
POST CONSTRUCTION AWARD SERVICES					<u>1,140</u>
TOTAL REQUEST					<b>62,406</b>
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)					2,750
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b>					
<p>Construct a multi-story high school with functional areas containing neighborhoods, learning studios, learning hubs, staff collaboration areas, career technical education areas, computing center, science labs, art room, music suites, junior reserve officer training corps firing range/classrooms, occupational therapy/physical therapy, learning impaired mild moderate severe, a commons area, performance space, information center, a physical education area with gymnasium, food service, administrative offices, guidance counseling center, a special education office, health services area, maintenance support, central storage area, technology service center, and other required areas for a fully functioning high school. Typical construction is anticipated to consist of shallow spread footings, reinforced concrete structural frame and plastered reinforced concrete exterior walls, interior concrete, masonry and drywall partitions, and operable/movable partition walls.</p> <p>Construct a single story field house with functional areas containing concession, concession storage, restrooms, team equipment storage, and a covered gathering area. Typical construction is anticipated to consist of concrete beam and pile foundation, concrete and structural steel frame, concrete exterior walls, gypsum wallboard partitions, and reinforced concrete walls.</p> <p>Department of Defense (DoD) and Department of Defense Education Activity (DoDEA) principles for high performance</p>					

1. COMPONENT DoDEA	<b>FY 2018 MILITARY CONSTRUCTION PROJECT DATA</b>			2. Date MAY 2017
3. INSTALLATION AND LOCATION US ARMY GARRISON VICENZA, ITALY			4. PROJECT TITLE: VICENZA HIGH SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 73046	7. PROJECT NUMBER EU00117	8. PROJECT COST (\$000) 62,406	
<p>and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate. The project will include host nation renewable energy requirements.</p> <p>Facilities will be designed to provide cyber security engineering and validation as specified in DoD Unified Facility Criteria.</p> <p>The project includes related infrastructure such as heating, ventilation and cooling central plant equipment expansion, water, sewer, electrical, gas, telecommunications and storm water utilities, reconfiguration of bus parking areas to increase available parking, mechanical rooms, emergency access lanes and delivery areas.</p> <p>The project includes site improvements including athletic fields, athletic courts, service drive, signage, fencing, paving, landscaping, exterior lighting, utilities, and electrical equipment enclosure, as well as outdoor learning areas.</p> <p>The project will require the demolition of eight buildings for approximately 114,000 SF.</p> <p>Facilities will be designed in accordance with DoDEA Education Facilities Specifications and Italian standards and codes.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. REQUIREMENT: 116,870 SF ADQT: 00,000 SF SUBSTD: 113,675 SF</p> <p><u>PROJECT:</u></p> <p>This project replaces the existing high school by constructing a new high school.</p> <p><u>REQUIREMENT:</u></p> <p>The new high school is required to provide adequate academic facilities for 354 students in grades 9 through 12.</p> <p>The new high school will complete the master plan vision for the Villagio campus set forth in 2007 as a quality of life issue for the families. It will provide co-located PK-12 schools within the confines of a controlled perimeter and will allow collaborative education between the facilities.</p> <p><u>CURRENT SITUATION:</u></p> <p>The current Vicenza High School is a facility that was constructed in 1958. The information center, music room and junior reserve officer training corps annex was constructed in 1983. The facility is in poor condition. The following systems are expired or are failing; exterior doors, roofing, air conditioning system, fire alarm and fire protection systems, intercom and public address system, elevator, and the plumbing system.</p>				

1. COMPONENT DoDEA	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. Date MAY 2017
3. INSTALLATION AND LOCATION US ARMY GARRISON VICENZA, ITALY			4. PROJECT TITLE: VICENZA HIGH SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 73046	7. PROJECT NUMBER EU00117	8. PROJECT COST (\$000) 62,406	
<b>IMPACT IF NOT PROVIDED:</b> If a new facility is not provided, the substandard environment will continue to hamper the educational process and the school will not be able to support the curriculum and provide a safe facility. The required maintenance and repair of expired and failing systems will continue to strain maintenance capabilities and budgets if the facility is not replaced.				
12. Supplemental Data:				
A. Design Data (Estimated):				
(1) Status:				
(a) Design Start Date				MAR 2016
(b) Parametric Cost Estimate Used to Develop Costs				YES
(c) Percent of Design Completed as of 1 JAN 2017				15%
(d) Expected 35% Design Date				SEP 2017
(e) 100% Design Completion Date				APR 2018
(f) Type of Design Contract:				Design/Bid/Build
(2) Basis:				
(a) Standard or Definitive Design - (YES/NO)				NO
(b) Date Design was Most Recently Used				N/A
(3) Total Design Cost (c)=(a)+(b) OR (d)+(e):				
(a) Production of Plans and Specifications				
(b) All Other Design Costs				
(c) Total Design Cost				6,241
(d) Contract				3,745
(e) In-house				2,496
(4) Construction Contract Award Date				AUG 2018
(5) Construction Start Date				SEP 2018
(6) Construction Completion Date				SEP 2020
B. Equipment associated with this project which will be provided from other appropriations:				
Equipment	Procuring	Fiscal Year	Appropriated	Cost
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Or Requested</u>		<u>(\$000)</u>
Furnishings	O&M	2020		407
Kitchen	O&M	2020		266
IT	O&M	2020		1,063
Education Supplies	O&M	2020		969
Safety Equipment	O&M	2020		5
Security Equipment	O&M	2020		40
<b>JOINT USE CERTIFICATION:</b>				
This facility can be used by other components on an "as available" basis; however, the scope of the project is based on DoDEA requirements.				
DoDEA POC (571) 372-1405				