

**DoD Education Activity  
Military Construction, Defense-Wide  
FY 2011 Budget Estimates  
(\$ in thousands)**

<u>State/Installation/Project</u>	<u>Authorization Request</u>	<u>Approp. Request</u>	<u>New/ Current Mission</u>	<u>Page No.</u>
<b>Georgia</b>				
Fort Benning Dexter Elementary School Construct Gym	2,800	2,800	C	74
<b>New York</b>				
U.S. Military Academy, West Point West Point Middle School Addition/Alteration	27,960	27,960	C	78
<b>North Carolina</b>				
Camp Lejeune Tarawa Terrace I Elementary School Replacement	16,646	16,646	C	63
Fort Bragg Murray Elementary School Replacement	22,000	22,000	C	67
McNair Elementary School Replacement	23,086	23,086	C	70
<b>Virginia</b>				
Quantico New Consolidated Elementary School	47,355	47,355	C	80
<b>Belgium</b>				
Brussels SHAPE Middle/High School Replacement	67,311	67,311	C	52
<b>Germany</b>				
Boeblingen (Panzer Kaserne) Replace Boeblingen High Scholl	48,968	48,968	C	60
<b>Puerto Rico</b>				
Fort Buchanan Antilles Elementary/Intermediate School Replacement	58,708	58,708	C	55
<b>United Kingdom</b>				
RAF Alconbury Alconbury Elementary School Replacement	30,308	30,308	C	87
<b>Total</b>	<b>345,142</b>	<b>345,142</b>		

1. COMPONENT DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>					2. Date February 2010				
3. Installation and Location SHAPE, Mons (Brussels), Belgium				4. COMMAND DoDEA		5. AREA CONSTRUCTION COST INDEX 1.01					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 2009							494				494
b. END FY 2014							791				791
7. INVENTORY DATA (\$000)											
TOTAL ACREAGE .....											0
INVENTORY TOTAL AS OF .....											0
AUTHORIZATION NOT YET IN INVENTORY.....											0
AUTHORIZATION REQUESTED IN THIS PROGRAM.....											67,311
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....											0
PLANNED IN NEXT THREE PROGRAM YEARS.....											0
REMAINING DEFICIENCY.....											0
GRAND TOTAL.....											67,311
<u>CATEGORY CODE</u> 730-46		<u>PROJECT TITLE</u> Replace Schools			<u>SCOPE</u> 172,972 SF		<u>COST (\$000)</u> 67,311		<u>DESIGN START</u> Jun 2009		<u>STATUS COMPLETE</u> Jun 2014
9. FUTURE PROJECTS											
a. INCLUDED IN FOLLOWING PROGRAM None											
b. PLANNED IN NEXT THREE YEARS None											
10. MISSION OR MAJOR FUNCTIONS Education											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: None											

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010	
3. Installation and Location  Mons (Brussels), Belgium			4. Project Title SHAPE Middle and High School Replacement		
5. Program Element		6. Category Code  730-46	7. Project Number  D9124-1		8. Project Cost (\$000)  <b>67,311</b>

**9. Cost Estimates**

	U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b> Construction	SF	172,972	252.88	<b>43,741</b> (43,741)
<b>SUPPORTING FACILITIES</b>				<b>15,891</b>
Paving and Walks, Curbs and Gutters	LS			(835)
Site Preparation & Development	LS			(1,300)
Water, Sewer & Gas	LS			(1,800)
Storm Drainage	LS			(1,300)
Electrical Service	LS			(2,000)
Communication	LS			(1,300)
Antiterrorism/Force Protection (AT/FP)	LS			(6,000)
Demolition	SF	169,250	8.01	(1,356)
<b>SUBTOTAL</b>				<b>59,632</b>
CONTINGENCY (5.0%)				<u>2,981</u>
<b>ESTIMATED CONSTRUCTION COST</b>				<b>62,613</b>
SUPERVISION & ADMINISTRATION (6.5%)				4,070
ENGINEERING DURING CONSTRUCTION (1.0%)				<u>628</u>
<b>TOTAL PROJECT COST</b>				<b>67,311</b>

**10. DESCRIPTION OF PROPOSED CONSTRUCTION:**

Construct new high school and a middle school addition to the elementary school. The project will include general purpose classrooms, host nation rooms, art room, music room, gymnasium, auxiliary gymnasium, multipurpose room, information center, specialist rooms, learning impaired, reading recovery, computer labs, JROTC, science labs, supply areas, teacher work rooms, counseling areas, storage and administrative offices. The schools are sized for a projected enrollment of 791 students in grades 6 through 12 and include an increase in the number of international students of NATO members stationed at SHAPE. These international students are enrolled on a space required, tuition free basis under the authority of the 2007 National Defense Authorization Act. This project will construct a 9-12 high school and a 6-8 middle school addition, which will include some common facilities to be shared with an elementary school. Project will provide temporary classroom facilities for DoD and other students attending the SHAPE International Schools. Project will include the demolition of buildings 703 (partial), 704, 706, 713, 715, and 722 (totaling 169,250 SF). Project includes related infrastructure such as bus loading/unloading areas, mechanical rooms, delivery areas, and exterior sport courts. Site improvements include signage, fencing, paving, landscaping, covered walkways, tennis courts, basketball courts, exterior lighting and utilities. Facilities will be designed in accordance with DoDEA Education Facilities Specifications, Americans with Disabilities Act Accessibility Guidelines, National Fire Protection Association Life Safety Code, Standards of Seismic Safety for Federally Owned Buildings, and energy conservation standards.

1. Component DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date February 2010
3. Installation and Location Mons (Brussels), Belgium			4. Project Title SHAPE Middle and High School Replacement	
5. Program Element	6. Category Code 730-46	7. Project Number D9124-1	8. Project Cost (\$000) <b>67,311</b>	

**11. REQUIREMENT:**

PROJECT: Replace the existing middle and high schools by constructing a new high school and a middle school addition to the elementary school.

REQUIREMENT: The new schools are required to provide adequate academic facilities for 791 students in grades 6 through 12.

CURRENT SITUATION: The facilities were constructed in 1967 and are in poor condition. The facilities were designed and constructed very rapidly after the relocation of SHAPE from France and have aged poorly. Most infrastructures have suffered due to a lack of required repair and maintenance and have exceeded their useful life. There are numerous NFPA Life Safety and ADA code violations and no fire suppression systems. Bathrooms and plumbing are in severe need of renovation. Indoor air quality is a growing concern due to moisture and mold. The facilities do not meet construction standards for force protection and energy efficiency. Numerous maintenance and repair problems have developed and infrastructure is becoming non-repairable. Temporary buildings are required to accommodate increasing enrollments due to the dependents of foreign military personnel assigned to SHAPE.

IMPACT IF NOT PROVIDED: The continued use of unsafe, inadequate and undersized facilities that do not accommodate the current student population will continue to impair the overall educational program for students. If new facilities are not provided, the substandard environment will continue to hamper the educational process. The condition of the school is impacting the quality of education for the students and temporary buildings are required to accommodate the increasing number of students. Common areas such as dining facilities and gymnasiums are overcrowded and inadequate.

ADDITIONAL: This project has been coordinated with the installation physical security plans and all AT/FP measures are included. The use of temporary classroom facilities will be included in the event the construction schedule is delayed as a result of unforeseen circumstances. Sustainable principles will be integrated in the design, development and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders. Energy conservation and environmentally safe measures will be incorporated in this project wherever feasible, practical or required by regulation. All known alternatives were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.

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 DoDEA requirements.

POC is Mr. Bruce McFarland, [bruce.mcfarland@hq.dodea.edu](mailto:bruce.mcfarland@hq.dodea.edu) (703) 588-3513

1. Component DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date February 2010
3. Installation and Location Mons (Brussels), Belgium			4. Project Title SHAPE Middle and High School Replacement	
5. Program Element	6. Category Code 730-46	7. Project Number D9124-1	8. Project Cost (\$000) <b>67,311</b>	

**12. SUPPLEMENTAL DATA:**

**A. Estimated Design Data:**

1. Status:

(a) Date Design Started	Jun 2009
(b) Parametric Cost Estimate Used to Develop Costs	No
(c) Percent Complete as of January 1, 2010	10%
(d) Date 35 Percent Complete	Jul 2010
(e) Date Design Complete	Mar 2011
(f) Type of Design Contract	Design/Bid/Build

2. Basis:

(a) Standard or Definitive Design	No
(b) Date Design was Most Recently Used	N/A

3. Total Cost (c) = (a) + (b) or (d) + (e)

(a) Production of Plans and Specifications	
(b) All other Design Costs	
(c) Total	4,400
(d) Contract	3,400
(e) In-house	1,000
4. Contract Award	Jun 2011
5. Construction Start	Jul 2011
6. Construction Complete	Jun 2014

**B. Equipment associated with this project which will be provided from other appropriations:**

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furnishings/Equipment	O&M	2014	600
Kitchen Equipment (Military Service Funded)	O&M	2014	350
Active Network Hardware for Local Area Network and Voice over IP Phone Systems (Passive cable plant installation priced and included as part of construction)	O&M	2014	800

1. Component <b>DoDEA</b>		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date February 2010	
3. Installation and Location Fort Buchanan, Puerto Rico				4. Project Title Antilles Elementary/Intermediate School Replacement		
5. Program Element		6. Category Code 730-46	7. Project Number AM 8193 01		8. Project Cost (\$000) <b>58,708</b>	
<b>9. Cost Estimates</b>						
				U/M	QUANTITY	UNIT COST
						COST (\$000)
<b>PRIMARY FACILITY</b>						<b>34,701</b>
Construction				SF	139,250	249.2 (34,701)
<b>SUPPORTING FACILITIES</b>						<b>15,402</b>
Electrical Service				LS		(1,500)
Water, Sewer, & Gas				LS		(1,900)
Paving, Walks, Curbs, & Gutters				LS		(1,550)
Storm Drainage				LS		(1,100)
Site Improvements				LS		(1,200)
Communications				LS		(1,000)
Playgrounds				LS		(500)
Anti-Terrorism/ Force Protection (AT/FP)				LS		(5,829)
Demolition				SF	82,257	10 (823)
<b>SUBTOTAL</b>						<b>50,103</b>
CONTINGENCY (5.0%)						2,505
DESIGN AFTER AWARD (DESIGN BUILD) (4.0%)						<u>2,004</u>
<b>ESTIMATED CONSTRUCTION COST</b>						<b>54,612</b>
SUPERVISION & ADMINISTRATION (6.5%)						3,550
ENGINEERING DURING CONSTRUCTION (1.0%)						<u>546</u>
<b>TOTAL PROJECT COST</b>						<b>58,708</b>
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b>						
<p>This project is to construct a new Elementary School (ES) to serve 890 students, grades Pre-K through 5<sup>th</sup> Grade. This school will consolidate and replace two existing schools, Antilles Elementary School and Antilles Intermediate School. The reinforced concrete/steel/brick school will include general purpose classrooms, art classroom, music classroom, computer labs, gymnasium, multipurpose room with stage and kitchen, specialists' rooms, information center, administrative offices, teacher work rooms, and supply/storage rooms. Buildings at the ES to be demolished include Bldg# 1029 (4,365 GSF), Bldg# 1030 (3,103 GSF), Bldg# 1031(3,191 GSF), Bldg# 1032 (3,191 GSF), Bldg# 1033 (3,193), Bldg# 1034 (644 GSF), Bldg# 1035 (2,628 GSF), Bldg# 1036 (12,223 GSF), Bldg # 1037(5,293 GSF), Bldg# 1038 (5,233), Bldg# 1039 (6,075 GSF), Bldg# 1040 (2,628 GSF), Bldg# 1043 (12,949 GSF), Bldg# 1045 (672 GSF), Bldg# 1046 (1,734 GSF), Bldg# 1047 (431 GSF), Bldg# 1048 (1730 GSF), Bldg# 1049 (3398 GSF), Bldg# 1050 (1,675 GSF), Bldg# 1051(1,758 GSF), Bldg# 1052 (1,752 GSF), Bldg# 1054 (327 GSF), Bldg# 1055 (320 GSF), Bldg# 1056 (129 GSF), Bldg# 1057(590 GSF), Bldg# 1058 (217 GSF), Bldg# 1059 (2,510 GSF), Bldg# 01060 (77 GSF), and Bldg# 1061 (221 GSF) for a total of 82,257 SF.</p> <p>The school will incorporate advanced communication systems to support technology program requirements, as well as general communications. The project scope will also include utilities, parking, bus loading/unloading area, playground, sports facilities, signage, fencing, landscaping, and security lighting. These facilities shall be designed in accordance with DoDEA Education Facilities Specifications, AT/FP standards, Americans with Disabilities Act Accessibility Guidelines, National Fire Protection Association Life Safety Code, Standards of Seismic Safety for Federally Owned Buildings, energy conservation standards, and U.S Federal and Puerto Rico Environmental Laws and Regulations.</p>						

1. Component DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date February 2010
3. Installation and Location Fort Buchanan, Puerto Rico		4. Project Title Antilles Elementary/Intermediate School Replacement		
5. Program Element	6. Category Code 730-46	7. Project Number AM 8193 01	8. Project Cost (\$000) <b>58,708</b>	

**11. REQUIREMENT:**

PROJECT: Construct a new elementary school at Fort Buchanan, Puerto Rico to replace the existing Elementary School.

REQUIREMENT: A new elementary school is needed to accommodate 890 students Pre-K through 5<sup>th</sup> Grade and support present curriculums selected for that age group. The school would also incorporate functional areas meeting current education specifications and incorporate functional adjacencies that would simplify school administration. This school will replace Antilles Elementary School as well as temporary educational facilities that are currently in use due to lack of adequate instructional space.

CURRENT SITUATION: The Elementary School was built in 1954 and has long past its useful lives. These facilities are in very poor condition and do not adequately support DDESS education needs. The layout of this school includes multiple buildings which do not meet ATFP requirements and are expensive to maintain. The existing facilities do not meet NFPA Life Safety Code or American with Disability Act (ADA) requirements. Many of the school's programs are conducted in 7 temporary buildings which are undersized and not suitable for the programs. The school has force protection issues that will be resolved by this project. These deficiencies are costly to rectify and the consolidation of these two schools and multiple buildings into one modern facility will result in significant annual cost savings.

IMPACT IF NOT PROVIDED: The education programs will continue to be adversely affected as facilities designed to support current programs would not be available. The facility sustainment budget will continue to be stressed as requirements for this school would reduce funds available for other schools in DoDEA. If this school is not replaced educational programs will continue to be detrimentally impacted by facility limitations. The temporary buildings cannot be made adequate. Indoor air quality conditions will worsen with time. The students will not receive the same educational environment afforded to students at other DDESS school districts.

ADDITIONAL: This project will be coordinated with the installation physical security plan and all required AT/FP measures will be included. The continued use of temporary classroom facilities will be included in the event the construction schedule is delayed as a result of unforeseen circumstances. Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders. Energy conservation and environmentally safe measures will be incorporated in this project wherever feasible, practical or required by regulation

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

POC is Mr. Bruce McFarland [Bruce.McFarland@hq.dodea.edu](mailto:Bruce.McFarland@hq.dodea.edu), 703-588-3513.

1. Component DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010
3. Installation and Location Fort Buchanan, Puerto Rico		4. Project Title Antilles Elementary/Intermediate School Replacement	
5. Program Element	6. Category Code 730-46	7. Project Number AM 8193 01	8. Project Cost (\$000) <b>58,708</b>

**12. SUPPLEMENTAL DATA:**

**A. Estimated Design Data:**

1. Status:
 

(a) Date Design Started	Feb 2010
(b) Parametric Cost Estimate Used to Develop Costs	No
(c) Percent Complete as of January 1, 2010	0%
(d) Date 35 Percent Complete	Aug 2010
(e) Date Design Complete	Mar 2011
(f) Type of Design Contract	Design/Build
  
2. Basis:
 

(a) Standard or Definitive Design	No
(b) Date Design was Most Recently Used	N/A
  
3. Total Cost (c) = (a) + (b) or (d) + (e)
 

(a) Production of Plans and Specifications	2,200
(b) All other Design Costs	1,400
(c) Total	3,600
(d) Contract	
(e) In-house	
  
4. Contract Award Oct 2010
5. Construction Start Jan 2011
6. Construction Complete Jun 2013

**C. Equipment associated with this project which will be provided from other appropriations:**

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furnishings/Equipment	O&M	2011	1000
Active Network Hardware for Local Area Network and Voice over IP Phone Systems (Passive cable plant installation priced and included as part of construction)	O&M	2011	750

1. COMPONENT DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>					2. Date February 2010				
3. Installation and Location Fort Buchanan, Puerto Rico				4. COMMAND DoDEA		5. AREA CONSTRUCTION COST INDEX 1.24					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 2009							773				773
b. END OF FY 2013							890				890
7. INVENTORY DATA (\$000)											
TOTAL ACREAGE .....										0	
INVENTORY TOTAL AS OF .....										0	
AUTHORIZATION NOT YET IN INVENTORY.....										0	
AUTHORIZATION REQUESTED IN THIS PROGRAM.....										58,708	
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....										0	
PLANNED IN NEXT THREE PROGRAM YEARS.....										0	
REMAINING DEFICIENCY.....										0	
GRAND TOTAL.....										58,708	
CATEGORY CODE 730-46		PROJECT TITLE Replace Elementary School			SCOPE 139,250 SF		COST (\$000) 58,708		DESIGN START Feb 2010		STATUS COMPLETE Jun 2013
9. FUTURE PROJECTS											
a. INCLUDED IN FOLLOWING PROGRAM None											
b. PLANNED IN NEXT THREE YEARS None											
10. MISSION OR MAJOR FUNCTIONS Education											

1. COMPONENT DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>					2. Date February 2010				
3. Installation and Location Boeblingen, Germany				4. COMMAND DoDEA			5. AREA CONSTRUCTION COST INDEX 1.15				
6. PERSONNEL STRENGTH		PERMANENT		STUDENTS			SUPPORTED				
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	TOTAL
a. AS OF 30 SEP 2009							648				648
b. END FY 2013							648				648
7. INVENTORY DATA (\$000)											
TOTAL ACREAGE .....										0	
INVENTORY TOTAL AS OF .....										0	
AUTHORIZATION NOT YET IN INVENTORY .....										0	
AUTHORIZATION REQUESTED IN THIS PROGRAM.....										48,968	
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....										0	
PLANNED IN NEXT THREE PROGRAM YEARS.....										0	
REMAINING DEFICIENCY.....										0	
GRAND TOTAL.....										48,968	
<u>CATEGORY CODE</u> 730-46		<u>PROJECT TITLE</u> Replace School			<u>SCOPE</u> 151,319 SF		<u>COST (\$000)</u> 48,968		<u>DESIGN START</u> Mar 2010		<u>STATUS COMPLETE</u> Jun 2013
9. FUTURE PROJECTS											
a. INCLUDED IN FOLLOWING PROGRAM None.											
b. PLANNED IN NEXT THREE YEARS None											
10. MISSION OR MAJOR FUNCTIONS Education											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: None											

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date February 2010	
3. Installation and Location Boeblingen (Panzer Kaserne), Germany			4. Project Title Replace Boeblingen High School			
5. Program Element		6. Category Code 730-46	7. Project Number EUR 8268 02		8. Project Cost (\$000) <b>48,968</b>	
<b>9. Cost Estimates</b>						
		U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITY</b> Construction		SF	151,319	271.80	<b>41,129</b> (41,129)	
<b>SUPPORTING FACILITIES</b>					<b>2,254</b>	
Anti-Terrorism/Force Protection		LS			(400)	
Electrical Service		LS			(4)	
Water, Sewer, & Gas		LS			(100)	
Paving, Parking, Walks, Curbs and Gutters		LS			(500)	
Storm Drainage		LS			(0)	
Site Preparation		LS			(1,250)	
Communications		LS			(0)	
<b>SUBTOTAL</b>					<b>43,383</b>	
CONTINGENCY (5.0%)					<u>2,169</u>	
<b>ESTIMATED CONSTRUCTION COST</b>					<b>45,552</b>	
SUPERVISION & ADMINISTRATION (6.5%)					2,961	
ENGINEERING DURING CONSTRUCTION (1.0%)					<u>455</u>	
<b>TOTAL PROJECT COST</b>					<b>48,968</b>	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b>						
<p>Construct a high school including general purpose classrooms, gymnasium, multipurpose room with cafeteria and kitchen, information center, computer labs, supply areas, faculty work rooms, counseling areas, specialists' rooms, learning impaired rooms, storage and administrative offices. Supporting facilities and infrastructure will be designed for the future high school. These supporting facilities will include: High School sports fields, facilities and bleachers; student bus loading and unloading areas; staff and visitor parking; landscaping, including compensation measures for the replacement of trees and protected natural resources. Supporting structures will include site development, covered walkways, playgrounds, paving and landscaping. Facilities will be designed in accordance with DoDEA Education Facilities Specifications, Antiterrorism/Force Protection Construction standards, Americans with Disabilities Act (ADA) Accessibility Guidelines, National Fire Protection Association Life Safety Code, Standards of Seismic Safety for Federally Owned Buildings, Consumer Products Safety Commission (playgrounds) guidelines, energy conservation standards, and U.S federal environmental laws and regulations.</p>						

1. Component DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date February 2010
3. Installation and Location Boeblingen (Panzer Kaserne), Germany			4. Project Title Replace Boeblingen High School	
5. Program Element	6. Category Code 730-46	7. Project Number EUR 8268 02	8. Project Cost (\$000) <b>48,968</b>	

**11. REQUIREMENT:**

PROJECT: Replace the existing high school.

REQUIREMENT: A new high school, for grades 9-12 is required to provide adequate facilities for students in the Stuttgart area.

CURRENT SITUATION: This project provides a new high school facility in Boeblingen to replace the Patch HS in Stuttgart. The Stuttgart high school is inadequately sized for a projected 648 student population: the classrooms, science and chemistry labs, computer labs, television production studio, JROTC and gymnasium are inadequately sized: an auditorium for the school community is not available. Temporary classrooms have been erected for the increasing student population. In addition, exterior sports facilities do not exist at Patch HS and the high school students must share limited sports facilities with the military for practice and home games. Reutilizing the existing Patch HS as a middle school will provide an adequate facility that will provide a single middle school program for students in the greater Stuttgart area.

IMPACT IF NOT PROVIDED: The existing facilities are inadequate, undersized and cannot be economically modified to meet NFPA Life Safety and ADA guidelines. The high school science and technology laboratories and gymnasium have insufficient space, equipment, and functional layout to support current curriculum requirements. The lack of a sufficient number of classrooms will dictate the use of temporary structures to fill the short fall. The lack of dedicated athletic fields will continue to negatively impact the school athletic and physical education programs.

ADDITIONAL: This project will be coordinated with the installation physical security plan and all required AT/FP measures will be included. The continued use of temporary classroom facilities will be included in the event the construction schedule is delayed as a result of unforeseen circumstances. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders. Energy conservation and environmentally safe measures will be incorporated in this project wherever feasible, practical, or required by regulation.

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

POC is Mr. Bruce McFarland, [bruce.mcfarland@hq.dodea.edu](mailto:bruce.mcfarland@hq.dodea.edu) (703) 588-3513

1. Component DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date February 2010
3. Installation and Location Boeblingen (Panzer Kaserne), Germany			4. Project Title Replace Boeblingen High School	
5. Program Element	6. Category Code 730-46	7. Project Number EUR 8268 02	8. Project Cost (\$000) <b>48,968</b>	

**12. SUPPLEMENTAL DATA:**

**A. Estimated Design Data:**

1. Status:

- |  |                  |
|--|------------------|
| (a) Date Design Started                            | Mar 2010         |
| (b) Parametric Cost Estimate Used to Develop Costs | No               |
| (c) Percent Complete as of January 1, 2010         | 0%               |
| (d) Date 35 Percent Complete                       | Aug 2010         |
| (e) Date Design Complete                           | Aug 2011         |
| (f) Type of Design Contract                        | Design/Bid/Build |

2. Basis:

- |  |     |
|--|-----|
| (a) Standard or Definitive Design      | No  |
| (b) Date Design was Most Recently Used | N/A |

3. Total Cost (c) = (a) + (b) or (d) + (e)

- |  |          |
|--|----------|
| (a) Production of Plans and Specifications |          |
| (b) All other Design Costs                 |          |
| (c) Total                                  | 1,400    |
| (d) Contract                               | 1,050    |
| (e) In-house                               | 350      |
| 4. Contract Award                          | Sep 2011 |
| 5. Construction Start                      | Nov 2011 |
| 6. Construction Complete                   | Jun 2013 |

**D. Equipment associated with this project which will be provided from other appropriations:**

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furnishings/Equipment	O&M	2012	400
Kitchen Equipment (Military Service Funded)	O&M	2012	350
Active Network Hardware for Local Area Network and Voice over IP Phone Systems (Passive cable plant installation priced and included as part of construction)	O&M	2012	400

1. Component  DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date  February 2010			
3. Installation and Location  Camp Lejeune, N.C.			4. Project Title Tarawa Terrace 1 Elementary School Replacement (Addition to Tarawa Terrace II ES)					
5. Program Element		6. Category Code  730-46	7. Project Number  AM 2455207		8. Project Cost (\$000)  <b>16,646</b>			
<b>9. Cost Estimates</b>								
					U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>								<b>8,987</b>
Dependent School-Elementary (Addition to TT II)					SF	44,055	204	(8,987)
<b>SUPPORTING FACILITIES</b>								<b>5,325</b>
Antiterrorism/Force Protection (AT/FP)					LS			(850)
Electrical Service					LS			(655)
Water, Sewer, & Gas					LS			(745)
Paving, Walks, Curbs, & Gutters					LS			(595)
Storm Drainage					LS			(350)
Site Preparation					LS			(450)
Communications					LS			(575)
Playgrounds					LS			(500)
Demolition of Elementary School (TT I)					SF	40,349	15	(605)
<b>SUBTOTAL</b>								<b>14,312</b>
CONTINGENCY (5.0%)								717
DESIGN AFTER AWARD (DESIGN BUILD) (4.0%)								<u>572</u>
<b>ESTIMATED CONSTRUCTION COST</b>								<b>15,601</b>
SUPERVISION & ADMINISTRATION (5.7%)								889
ENGINEERING DURING CONSTRUCTION (1.0%)								<u>156</u>
<b>TOTAL PROJECT COST</b>								<b>16,646</b>
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b>								
<p>Construct a 44,055 SF addition to Tarawa Terrace II Elementary School on Camp Lejeune, NC. This will allow Tarawa Terrace I Primary School students (Pre-K to 1<sup>st</sup> Grade) to attend Tarawa Terrace II (Pre-K to 5<sup>th</sup> Grade). Tarawa Terrace I, which is out-dated and in poor condition, is located adjacent to Tarawa Terrace II</p> <p>The reinforced concrete/steel elementary school addition will include general purpose classrooms, gymnasium, Special Education Classrooms, and increases to support areas to accommodate the additional enrollment. The school will incorporate advanced communication systems to support technology program requirements, as well as general communications. The project scope will also include changes to utilities, additional parking, playground,, signage, fencing, landscaping, and security lighting. These facilities shall be designed in accordance with DoDEA Education Facilities Specifications, AT/FP standards, Americans with Disabilities Act Accessibility Guidelines, National Fire Protection Association Life Safety Code, Standards of Seismic Safety for Federally Owned Buildings, and energy conservation standards.</p> <p>This project includes the demolition of the following facilities: Bldg# TT60 (19,132 GSF), Bldg# TT 60A (4,183 GSF), Bldg# TT 60B (4183 GSF), Bldg# TT60C (4,193 GSF), Bldg# TT60D (4,203 GSF), Bldg# TT60E (4,203), Bldg# TT60F (126 GSF), Bldg# TT60G (63 GSF), and Bldg# TT60H (63 GSF).</p>								

1. Component  DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date  February 2010
3. Installation and Location Camp Lejeune, N.C.		Tarawa Terrace 1 Elementary School Replacement (Addition to Tarawa Terrace II ES)		
5. Program Element	6. Category Code  730-46	7. Project Number  AM 2455207	8. Project Cost (\$000)  <b>16,646</b>	

**11. REQUIREMENT:**

PROJECT: Construct an addition to the existing Tarawa Terrace II Elementary School, Camp Lejeune, North Carolina and closure and demolition of the existing Tarawa Terrace I Primary School, Camp Lejeune, North Carolina.

REQUIREMENT: An addition is needed to existing school, Tarawa Terrace II to accommodate students from Tarawa Terrace I. In addition to General purpose classrooms, this addition will include a new Gymnasium, and additional specialized instructional classrooms, special education classrooms, administrative, storage, mechanical spaces and common areas. Additional parking, playgrounds, and recreational areas will also be built at the consolidated school. Tarawa Terrace I Primary School will be demolished as part of this project.

CURRENT SITUATION: Tarawa Terrace I, which was built in 1967 is outdated, in poor condition, and does not meet the latest standards. Tarawa Terrace I has passed its intended life expectancy. Tarawa Terrace II, which was built in 2001 and is in good condition and is located adjacent to Tarawa Terrace I. In lieu of replacing the existing Tarawa Terrace I with a new school an addition to the existing Tarawa Terrace II school is required to accommodate the 300 students from Tarawa Terrace I. This addition will save both construction and Operation and Maintenance funds through consolidation of these two school and meet DDESS facility requirements for the latest educational services.

IMPACT IF NOT PROVIDED: Students will continue to be educated in a substandard facility that cannot provide an environment conducive to acceptable standards. Due to the age of Tarawa Terrace I, the facility will continue to deteriorate and the costs of operating and maintaining will continue to increase. Many of the building systems have reached the end of their useful life, resulting in system failures which will affect the educational function of the facility.

ADDITIONAL: This project will be coordinated with the installation physical security plan and all required AT/FP measures will be included. Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders. Energy conservation and environmentally safe measures will be incorporated in this project wherever feasible, practical or required by regulation. All known alternatives were considered during the development of this project. This option is more cost effective than replacing Tarawa Terrace I with a new school since this addition will allow consolidation of functions. Utilization of temporary facilities is authorized to support this project.

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

POC is Mr. Bruce McFarland, [Bruce.McFarland@hq.dodea.edu](mailto:Bruce.McFarland@hq.dodea.edu) (703)-588-3513

1. Component  DoDEA	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date  February 2010
3. Installation and Location Camp Lejeune, N.C.		4. Project Title Tarawa Terrace 1 Elementary School Replacement (Addition to Tarawa Terrace II ES)		
5. Program Element	6. Category Code  730-46	7. Project Number  AM 2455207	8. Project Cost (\$000)  <b>16,646</b>	

**12. SUPPLEMENTAL DATA:**

A. Estimated Design Data:

1. Status:

- (a) Date Design Started Feb 2010
- (b) Parametric Cost Estimate Used to Develop Costs No
- (c) Percent Complete as of January 1, 2010 0%
- (d) Date 35 Percent Complete Aug 2010
- (e) Date Design Complete Jun 2011
- (f) Type of Design Contract Design/Build

2. Basis:

- (a) Standard or Definitive Design No
- (b) Date Design was Most Recently Used N/A

3. Total Cost (c) = (a) + (b) or (d) + (e)

- (a) Production of Plans and Specifications
- (b) All other Design Costs
- (c) Total 1000
- (d) Contract 800
- (e) In-house 200
- 4. Contract Award Feb 2011
- 5. Construction Start Apr 2011
- 6. Construction Complete May 2013

E. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furnishings/Equipment	O&M	2011	800
Active Network Hardware for Local Area Network and Voice over IP Phone Systems (Passive cable plant installation priced and included as part of construction)	O&M	2011	720

1. COMPONENT DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>					2. Date February 2010				
3. Installation and Location Camp Lejeune, North Carolina				4. COMMAND DoDEA			5. AREA CONSTRUCTION COST INDEX 1.06				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN
a. AS OF 30 SEP 2009							239				239
b. END OF FY 2013							300				300
7. INVENTORY DATA (\$000)											
TOTAL ACREAGE .....										0	
INVENTORY TOTAL AS OF .....										0	
AUTHORIZATION NOT YET IN INVENTORY .....										0	
AUTHORIZATION REQUESTED IN THIS PROGRAM.....										16,646	
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....										0	
PLANNED IN NEXT THREE PROGRAM YEARS.....										0	
REMAINING DEFICIENCY.....										0	
GRAND TOTAL.....										16,646	
CATEGORY CODE 730-46		PROJECT TITLE Replace School: Addition to Tarawa Terrace II			SCOPE 44,055 SF		COST (\$000) 16.646	DESIGN START Feb 2010		STATUS COMPLETE May 2013	
9. FUTURE PROJECTS											
a. INCLUDED IN FOLLOWING PROGRAM None.											
b. PLANNED IN NEXT THREE YEARS None											
10. MISSION OR MAJOR FUNCTIONS Education											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: None											

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010
3. Installation and Location Fort Bragg, North Carolina			4. Project Title Murray Elementary School Replacement	
5. Program Element	6. Category Code 730-46	7. Project Number AM 1008-01	8. Project Cost (\$000) <b>22,000</b>	

9. Cost Estimates				
	U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>				<b>13,821</b>
Construct New School	SF	67,748	204	(13,821)
<b>SUPPORTING FACILITIES</b>				<b>5,095</b>
Antiterrorism/Force Protection (AT/FP)	LS			(736)
Electrical Service	LS			(628)
Water, Sewer, & Gas	LS			(825)
Paving, Walks, Curbs, & Gutters	LS			(587)
Storm Drainage	LS			(313)
Site Preparation	LS			(537)
Communications	LS			(413)
Playgrounds	LS			(275)
Demolish Existing School (Murray ES)	SF	55,798	14	(781)
<b>SUBTOTAL</b>				<b>18,916</b>
CONTINGENCY (5.0%)				946
DESIGN AFTER AWARD (DESIGN BUILD) (4.0%)				<u>757</u>
<b>ESTIMATED CONSTRUCTION COST</b>				<b>20,619</b>
SUPERVISION & ADMINISTRATION (5.7%)				1,175
Engineering During Construction (1.0%)				<u>206</u>
<b>TOTAL REQUEST</b>				<b>22,000</b>

**10. DESCRIPTION OF PROPOSED CONSTRUCTION:**

Construct a consolidated elementary school to serve Pre-Kindergarten (PK) through 4<sup>th</sup> grade students. The reinforced concrete/steel elementary school will include general purpose classrooms, art classroom, music classroom, computer labs, gymnasium, multipurpose room with stage and kitchen, information center, administrative offices, teacher work rooms, and supply/storage rooms. The school will incorporate advanced communication systems to support technology program requirements, as well as general communications. The project scope will also include utilities, parking, bus loading/unloading area, playground, sports facilities, signage, fencing, landscaping, and security lighting. These facilities shall be designed in accordance with DoDEA Education Facilities Specifications, AT/FP standards, Americans with Disabilities Act Accessibility Guidelines, National Fire Protection Association Life Safety Code, Standards of Seismic Safety for Federally Owned Buildings, and energy conservation standards.

This project includes the demolition of the following facilities:  
Murray ES - Bldg# B5636 (1,120 GSF), Bldg# B-5737 (1,120 GSF), Bldg# B-5738 (1,120 GSF), Bldg# B-5735 (1,800 GSF), Bldg# B-6036 (50,638 GSF).

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010
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3. Installation and Location Fort Bragg, North Carolina		4. Project Title Murray Elementary School Replacement	
5. Program Element	6. Category Code 730-46	7. Project Number AM 1008-01	8. Project Cost (\$000) <b>22,000</b>

**11. REQUIREMENT:**

PROJECT: Construct a new elementary school to replace the existing Murray Elementary School at Fort Bragg, North Carolina. This project is part of a consolidation of Murray Elementary School and McNair Elementary School.

REQUIREMENT: This new elementary school is required at Fort Bragg to replace the outdated and aged Murray Elementary School. Murray Elementary is 50 years old and has many problems that can only be resolved by replacement. The poor condition of the school has resulted in excessive sustainment costs for systemic problems.

CURRENT SITUATION: There are currently 8 elementary schools at Fort Bragg with an enrollment of 3252 students. Fort Bragg is experiencing growth, which will be accommodated by other projects, with no expectation of a decrease of student enrollment in the future. To ensure that all schools at Fort Bragg meet today's DoDEA educational program requirements; a new school to replace Murray Elementary School is required.

IMPACT IF NOT PROVIDED: Students will continue to be educated in an inadequate, aged facility that does not meet the latest DoDEA standards for a quality education for U. S. Army Dependents. Costly renovations will be necessary to permit continued, long-term utilization of the buildings. Although renovations will improve appearance and reliability, some aspects of the educational program will continue to be detrimentally impacted by the limitations of the facility. The temporary buildings cannot be made adequate and will have to be replaced with new temporary buildings in the near future. IAQ concerns will worsen with time.

ADDITIONAL: This project will be coordinated with the installation physical security plan and all required AT/FP measures will be included. The use of temporary classroom facilities will be included in the event the construction schedule is delayed as a result of unforeseen circumstances. Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders. Energy efficient and sustainable design and construction shall be equivalent to a LEED Silver Certification. All known alternatives were considered during the development of this project. Utilization of temporary facilities may be used to accommodate this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.

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

POC is Mr. Bruce McFarland, [Bruce.McFarland@hq.dodea.edu](mailto:Bruce.McFarland@hq.dodea.edu) (703)-588-3513

1. Component DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date February 2010
3. Installation and Location Fort Bragg, North Carolina			4. Project Title Murray Elementary School Replacement	
5. Program Element	6. Category Code 730-46	7. Project Number AM 1008-01	8. Project Cost (\$000) <b>22,000</b>	

**12. SUPPLEMENTAL DATA:**

A. Estimated Design Data:

1. Status:

- |  |              |
|--|--------------|
| (a) Date Design Started                            | Feb 2010     |
| (b) Parametric Cost Estimate Used to Develop Costs | No           |
| (c) Percent Complete as of January 1, 2010         | 0%           |
| (d) Date 35 Percent Complete                       | Aug 2010     |
| (e) Date Design Complete                           | Jun 2011     |
| (f) Type of Design Contract                        | Design/Build |

2. Basis:

- |  |     |
|--|-----|
| (a) Standard or Definitive Design      | No  |
| (b) Date Design was Most Recently Used | N/A |

3. Total Cost (c) = (a) + (b) or (d) + (e)

- |  |          |
|--|----------|
| (a) Production of Plans and Specifications |          |
| (b) All other Design Costs                 |          |
| (c) Total                                  | 1180     |
| (d) Contract                               | 990      |
| (e) In-house                               | 190      |
| 4. Contract Award                          | Jan 2011 |
| 5. Construction Start                      | Apr 2011 |
| 6. Construction Complete                   | Jun 2013 |

F. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furnishings/Equipment	O&M	2011	900
Active Network Hardware for Local Area Network and Voice over IP Phone Systems (Passive cable plant installation priced and included as part of construction)	O&M	2011	720

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010	
3. Installation and Location Fort Bragg, North Carolina			4. Project Title McNair Elementary School Replacement		
5. Program Element		6. Category Code 730-46	7. Project Number AM D02051		8. Project Cost (\$000) <b>23,086</b>
<b>9. Cost Estimates</b>					
		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					<b>14,472</b>
Construct New School		SF	71,290	203	(14,472)
<b>SUPPORTING FACILITIES</b>					<b>5,378</b>
Antiterrorism/Force Protection (AT/FP)		LS			(1,240)
Electrical Service		LS			(744)
Water, Sewer, & Gas		LS			(695)
Paving, Walks, Curbs, & Gutters		LS			(495)
Storm Drainage		LS			(301)
Site Preparation		LS			(486)
Communications		LS			(354)
Playgrounds		LS			(300)
Demolish Existing School (McNair ES)		SF	54,526	14	(763)
<b>SUBTOTAL</b>					<b>19,850</b>
CONTINGENCY (5.0%)					993
DESIGN AFTER AWARD (DESIGN BUILD) (4.0%)					<u>794</u>
<b>ESTIMATED CONSTRUCTION COST</b>					<b>21,637</b>
SUPERVISION & ADMINISTRATION (5.7%)					1,233
Engineering During Construction (1.0%)					<u>216</u>
<b>TOTAL REQUEST</b>					<b>23,086</b>
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b>					
<p>Construct an elementary school to serve Pre-Kindergarten (PK) through 4<sup>th</sup> grade students. The reinforced concrete/steel elementary school will include general purpose classrooms, art classroom, music classroom, computer labs, gymnasium, multipurpose room with stage and kitchen, information center, administrative offices, teacher work rooms, and supply/storage rooms. The school will incorporate advanced communication systems to support technology program requirements, as well as general communications. The project scope will also include utilities, parking, bus loading/unloading area, playground, sports facilities, signage, fencing, landscaping, and security lighting. These facilities shall be designed in accordance with DoDEA Education Facilities Specifications, AT/FP standards, Americans with Disabilities Act Accessibility Guidelines, National Fire Protection Association Life Safety Code, Standards of Seismic Safety for Federally Owned Buildings, and energy conservation standards. This project includes the demolition of the following facilities: McNair ES – Bldg# 7456 (852 GSF), Bldg# 7557 (852 GSF), Bldg# 7657 (852 GSF), Bldg# 7658 (1,440 GSF), Bldg# (50,530 GSF)</p>					

1. Component DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date February 2010
3. Installation and Location Fort Bragg, North Carolina		4. Project Title McNair Elementary School Replacement		
5. Program Element	6. Category Code 730-46	7. Project Number AM D02051	8. Project Cost (\$000) <b>23,086</b>	

**11. REQUIREMENT:**

PROJECT: Construct a new elementary school to replace the existing McNair Elementary School at Fort Bragg, North Carolina. This project is part of a consolidation of Murray Elementary School and McNair Elementary School.

REQUIREMENT: This new elementary school is required at Fort Bragg to replace the outdated and aged Murray Elementary School. McNair Elementary is 48 years old and has many problems that can only be resolved by replacement. The school is in very poor condition.

CURRENT SITUATION: There are currently 8 elementary schools at Fort Bragg with an enrollment of 3252 students. Fort Bragg is experiencing growth, which will be accommodated by other projects, with no expectation of a decrease of student enrollment in the future. To ensure that all schools at Fort Bragg meet today's DoDEA educational program requirements; a new school to replace McNair Elementary School is required.

IMPACT IF NOT PROVIDED: Students will continue to be educated in an inadequate, aged facility that does not meet the latest DoDEA standards for a quality education for U. S. Army Dependents. Costly renovations will be necessary to permit continued, long-term utilization of the buildings. Although renovations will improve appearance and reliability, some aspects of the educational program will continue to be detrimentally impacted by the limitations of the facility. The temporary buildings cannot be made adequate and will have to be replaced with new temporary buildings in the near future. IAQ concerns will worsen with time.

ADDITIONAL: This project will be coordinated with the installation physical security plan and all required AT/FP measures will be included. The use of temporary classroom facilities will be included in the event the construction schedule is delayed as a result of unforeseen circumstances. Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders. Energy efficient and sustainable design and construction shall be equivalent to a LEED Silver Certification. All known alternatives were considered during the development of this project. Utilization of temporary facilities may be used to accommodate this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.

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

POC is Mr. Bruce McFarland, [Bruce.McFarland@hq.dodea.edu](mailto:Bruce.McFarland@hq.dodea.edu) (703)-588-3513

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010	
3. Installation and Location Fort Bragg, North Carolina			4. Project Title McNair Elementary School Replacement		
5. Program Element		6. Category Code 730-46	7. Project Number AM D02051		8. Project Cost (\$000) <b>23,086</b>

**12. SUPPLEMENTAL DATA:**

A. Estimated Design Data:

1. Status:

(a) Date Design Started	Feb 2010
(b) Parametric Cost Estimate Used to Develop Costs	No
(c) Percent Complete as of January 1, 2010	0%
(d) Date 35 Percent Complete	Aug 2010
(e) Date Design Complete	Jun 2011
(f) Type of Design Contract	Design/Build

2. Basis:

(a) Standard or Definitive Design	No
(b) Date Design was Most Recently Used	N/A

3. Total Cost (c) = (a) + (b) or (d) + (e)

(a) Production of Plans and Specifications	
(b) All other Design Costs	
(c) Total	1238
(d) Contract	1038
(e) In-house	200
4. Contract Award	Jan 2011
5. Construction Start	Apr 2011
6. Construction Complete	Jun 2013

G. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furnishings/Equipment	O&M	2011	900
Active Network Hardware for Local Area Network and Voice over IP Phone Systems (Passive cable plant installation priced and included as part of construction)	O&M	2011	720

1. COMPONENT DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>						2. Date February 2010			
3. Installation and Location Fort Bragg, North Carolina				4. COMMAND DoDEA		5. AREA CONSTRUCTION COST INDEX 0.93				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 2009						807				807
b. END OF FY 2013						830				830
7. INVENTORY DATA (\$000)										
TOTAL ACREAGE .....						0				
INVENTORY TOTAL AS OF .....						0				
AUTHORIZATION NOT YET IN INVENTORY .....						0				
AUTHORIZATION REQUESTED IN THIS PROGRAM.....						45,086				
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....						0				
PLANNED IN NEXT THREE PROGRAM YEARS.....						0				
REMAINING DEFICIENCY.....						0				
GRAND TOTAL.....						45,086				
CATEGORY CODE 730-46	PROJECT TITLE Replace McNair ES School			SCOPE 71,290 SF	COST (\$000) 23,086	DESIGN START Feb 2010	STATUS COMPLETE Jun 2013			
730-46	Replace Murray ES School			67,748 SF	22,000	Feb 2010	Jun 2013			
9. FUTURE PROJECTS										
a. INCLUDED IN FOLLOWING PROGRAM None										
b. PLANNED IN NEXT THREE YEARS None										
10. MISSION OR MAJOR FUNCTIONS Education										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (\$000) None										

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010	
3. Installation and Location Fort Benning, Georgia			4. Project Title Dexter Elementary School Construct Gym		
5. Program Element		6. Category Code 730-46	7. Project Number AM 2455204		8. Project Cost (\$000) <b>2,800</b>
<b>9. Cost Estimates</b>					
		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					
New Gymnasium		SF	8,155	215	<b>1,753</b> (1,753)
<b>SUPPORTING FACILITIES</b>					<b>655</b>
Antiterrorism/Force Protection (AT/FP)		LS			(220)
Electrical Service		LS			(87)
Water, Sewer, & Gas		LS			(70)
Paving, Walks, Curbs, & Gutters		LS			(75)
Storm Drainage		LS			(59)
Site Preparation		LS			(75)
Communications		LS			(69)
<b>SUBTOTAL</b>					<b>2,408</b>
CONTINGENCY (5.0%)					120
DESIGN AFTER AWARD (DESIGN BUILD) (4.0%)					<u>96</u>
<b>ESTIMATED CONSTRUCTION COST</b>					<b>2,624</b>
SUPERVISION & ADMINISTRATION (5.7%)					150
Engineering During Construction (1.0%)					<u>26</u>
<b>TOTAL REQUEST</b>					<b>2,800</b>
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b>					
<p>Construct a new gymnasium to support an elementary school enrollment of 315 students. The project scope will also include utilities, signage, landscaping, and security lighting. These facilities shall be designed in accordance with DoDEA Education Facilities Specifications, AT/FP standards, Americans with Disabilities Act Accessibility Guidelines, National Fire Protection Association Life Safety Code, Standards of Seismic Safety for Federally Owned Buildings, and energy conservation standards.</p>					

1. Component DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date February 2010
3. Installation and Location  Fort Benning, Georgia		4. Project Title  Dexter Elementary School Construct Gym		
5. Program Element	6. Category Code  730-46	7. Project Number  AM 2455204	8. Project Cost (\$000)  <b>2,800</b>	

**11. REQUIREMENT:**

PROJECT: Construct a new gymnasium at Dexter Elementary School, Fort Benning, Georgia

REQUIREMENT: A purpose-built gymnasium is required at Dexter Elementary School Fort Benning to bring the school into compliance with current facility educational specifications and allow implementation of current curriculums in physical fitness.

CURRENT SITUATION: The school has a multipurpose room that is used every day for lunch service and frequently used for special events as well as physical education. Lunch service requires set-up and take-down of the benches, tables and chairs on a daily basis if the facility is to be used for physical fitness. Special events take up auditorium space and may not allow removal of associated props, furniture, or equipment. The result is no or limited time slots available for physical fitness in the multipurpose room. As a work-around the school has converted a temporary facility into a physical fitness area.

IMPACT IF NOT PROVIDED: The physical fitness program will continue to be adversely affected by their facilities, not allowing implementation of modern curriculums enjoyed by other students within DoDEA. This is well below the functional space allowed by our modern education specifications.

ADDITIONAL: This project will be coordinated with the installation physical security plan and all required AT/FP measures will be included. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders. Energy conservation and environmentally safe measures will be incorporated in this project wherever feasible, practical or required by regulation.

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

POC is Mr. Bruce McFarland, [bruce.mcfarland@hq.dodea.edu](mailto:bruce.mcfarland@hq.dodea.edu) (703) 588-3510.

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010
3. Installation and Location Fort Benning, Georgia			4. Project Title Dexter Elementary School Construct Gym	
5. Program Element	6. Category Code 730-46	7. Project Number AM 2455204	8. Project Cost (\$000) <b>2,800</b>	

**12. SUPPLEMENTAL DATA:**

A. Estimated Design Data:

1. Status:

- |  |              |
|--|--------------|
| (a) Date Design Started                            | Feb 2010     |
| (b) Parametric Cost Estimate Used to Develop Costs | No           |
| (c) Percent Complete as of January 1, 2010         | 0%           |
| (d) Date 35 Percent Complete                       | Aug 2010     |
| (e) Date Design Complete                           | Apr 2011     |
| (f) Type of Design Contract                        | Design/Build |

2. Basis:

- |  |     |
|--|-----|
| (a) Standard or Definitive Design      | No  |
| (b) Date Design was Most Recently Used | N/A |

3. Total Cost (c) = (a) + (b) or (d) + (e)

- |  |          |
|--|----------|
| (a) Production of Plans and Specifications |          |
| (b) All other Design Costs                 |          |
| (c) Total                                  | 280      |
| (d) Contract                               | 218      |
| (e) In-house                               | 62       |
| 4. Contract Award                          | Jan 2011 |
| 5. Construction Start                      | Feb 2011 |
| 6. Construction Complete                   | Mar 2012 |

H. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furnishings/Equipment	O&M	2011	300
Active Network Hardware for Local Area Network and Voice over IP Phone Systems (Passive cable plant installation priced and included as part of construction)	O&M	2011	200

1. COMPONENT DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>						2. Date February 2010				
3. Installation and Location Fort Benning, Georgia				4. COMMAND DoDEA		5. AREA CONSTRUCTION COST INDEX 1.03					
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN		
a. AS OF 30 SEP 2009						228				228	
b. END OF FY 2012						315				315	
7. INVENTORY DATA (\$000)											
TOTAL ACREAGE .....							0				
INVENTORY TOTAL AS OF .....							0				
AUTHORIZATION NOT YET IN INVENTORY.....							0				
AUTHORIZATION REQUESTED IN THIS PROGRAM.....							2,800				
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....							0				
PLANNED IN NEXT THREE PROGRAM YEARS.....							0				
REMAINING DEFICIENCY.....							0				
GRAND TOTAL.....							2,800				
CATEGORY CODE 730-46	PROJECT TITLE Construct Elementary School Gym			SCOPE 8,155 SF	COST (\$000) 2,800	DESIGN START Feb 2010	STATUS COMPLETE Mar 2012				
9. FUTURE PROJECTS											
a. INCLUDED IN FOLLOWING PROGRAM None											
b. PLANNED IN NEXT THREE YEARS None											
10. MISSION OR MAJOR FUNCTIONS Education											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (\$000 ) None											

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010	
3. Installation and Location United States Military Academy, West Point, New York			4. Project Title West Point Middle School Addition/Alteration		
5. Program Element	6. Category Code 730-46	7. Project Number AM 2455205		8. Project Cost (\$000) <b>27,960</b>	
<b>9. Cost Estimates</b>					
		U/M	QUANTITY	UNIT COST \$/SF	COST (\$000)
<b>PRIMARY FACILITY</b>					<b>17,265</b>
Construct Dependent School-Middle		SF	31,388	286	(8,977)
Renovate Dependent School - Middle		SF	31,632	262	(8,288)
<b>SUPPORTING FACILITIES</b>					<b>7,691</b>
Antiterrorism/Force Protection (AT/FP)		LS			(2,496)
Electrical Service		LS			(891)
Water, Sewer, & Gas		LS			(1070)
Paving, Walks, Curbs, & Gutters		LS			(891)
Storm Drainage		LS			(534)
Site Preparation, Sport Fields		LS			(713)
Communications		LS			(535)
Demolition of Middle School		SF	12,203	46	(561)
<b>SUBTOTAL</b>					<b>24,956</b>
CONTINGENCY (5.0%)					<u>1,248</u>
<b>ESTIMATED CONSTRUCTION COST</b>					<b>26,204</b>
SUPERVISION & ADMINISTRATION (5.7%)					1,494
ENGINEERING DURING CONSTRUCTION (1.0 %)					<u>262</u>
<b>TOTAL PROJECT COST</b>					<b>27,960</b>
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b>					
<p>This project is to construct a new Middle School Addition and Renovate the Existing Middle School in order to serve 325 students, grades 5 through 8. The reinforced concrete/steel/brick new school addition will include general purpose classrooms, science classrooms, a multipurpose room with stage and full service kitchen, information center, administrative offices, boys and girls restrooms, and supply/storage rooms. The existing school classrooms and educational areas to remain shall be renovated and upgraded to include the electrical wiring and plumbing networks, the HVAC system, lighting and fixtures, restrooms, ceilings, walls, exterior windows and doors, and architectural millwork. All construction work will incorporate advanced communication systems to support technology program requirements, as well as general communications. The project scope will also include exterior utilities, parking, pedestrian walkways, vehicle access, bus loading/unloading area, playgrounds, sports facilities, signage, fencing, drainage, landscaping, and security lighting. These facilities shall be designed in accordance with DoDEA Education Facilities Specifications, AT/FP standards, Americans with Disabilities Act Accessibility Guidelines, National Fire Protection Association Life Safety Code, Standards of Seismic Safety for Federally Owned Buildings, and energy conservation standards.</p> <p>This project will also include the demolition of the 1954 wing of the existing building 705 (12,203 SF).</p>					

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010	
3. Installation and Location United States Military Academy, West Point, New York			4. Project Title West Point Middle School Addition/Alteration		
5. Program Element		6. Category Code 730-46	7. Project Number AM 2455205		8. Project Cost (\$000) <b>27,960</b>

**11. REQUIREMENT:**

PROJECT: Construct a new 31,388 SF middle school addition and renovate 31,632 SF at West Point, New York.

REQUIREMENT: A new middle school addition and current school renovation is needed to accommodate 325 students and support present curriculum selected for that age group. The school would also incorporate functional areas meeting current education specifications and incorporate functional adjacencies that would simplify school administration.

CURRENT SITUATION: The major portion of this school is 75 years old, and has many problems that can only be resolved by replacement. The school's poor condition justifies this to be a project that needs to be done as soon as possible. The 1934 constructed section of the main building is historic, protected by SHPO guidelines, and is in serious need of a major renovation. The classrooms are cramped at 700 square feet. The administration area is in an undersized location situated in the center of the building away from the main entrance, which does not allow proper access control for visitors. The existing steam heating system is deteriorated, unreliable and not insulated sufficiently. Plumbing and fixtures are noted to be beyond their useful life and all restrooms need fittings, fixtures, and partitions replaced. Most electrical wiring and panel boards are original, and lights and light fixtures do not produce adequate lighting for a learning environment. The existing A/C system consists of window units mounted in classrooms, which does not prevent mold and indoor air quality problems. Most portions of the building are multi-story and do not have adequately sized entrances, doorways, and ramps to allow ADA access to the school. The elevator is undersized and needs to be replaced for ADA compliance. The school does not meet AT/FP requirements and has congested traffic patterns that make bus movement, vehicle parking, and pedestrian access dangerous. The cafeteria and kitchen are very small compared to DoDEA Ed Spec standards and do not allow for a proper food service program. The information center is much smaller than the requirement for a middle school of this size population. The 1954 construction wing is in deteriorated condition and needs to be demolished in order to provide proper AT/FP setbacks, bus drop-off area, and vehicle parking for the campus. The 1985 addition should be retained and renovated to meet current DoDEA educational standards.

Projected Enrollment: 325

IMPACT IF NOT PROVIDED: The education programs will continue to be affected as facilities designed to support current programs would not be available. The facility sustainment budget will continue to be stressed as requirements for this one school would reduce funds available for other schools in DoDEA. Costly renovations will be necessary to permit continued, long-term utilization of the buildings. Although SRM renovations will improve appearance and reliability, some aspects of the educational program will continue to be detrimentally impacted by the limitations of the facility. IAQ concerns will worsen with time. Safety and AT/FP concerns with the layout of the campus will continue.

ADDITIONAL: This project will be coordinated with the installation physical security plan and all required AT/FP measures will be included. The use of temporary classroom facilities will be included in the event the construction schedule is delayed as a result of unforeseen circumstances. Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders. Energy efficient and sustainable design and construction shall be equivalent to a LEED Silver Certification. Energy conservation and environmentally safe measures will be incorporated in this project wherever feasible, practical or required by regulation.

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

POC is Mr. Bruce McFarland, [bruce.mcfarland@hq.dodea.edu](mailto:bruce.mcfarland@hq.dodea.edu) or (703) 588-3513.

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010	
3. Installation and Location United States Military Academy, West Point, New York			4. Project Title West Point Middle School Addition/Alteration		
5. Program Element		6. Category Code 730-46	7. Project Number AM 2455205		8. Project Cost (\$000) <b>27,960</b>

**12. SUPPLEMENTAL DATA:**

**A. Estimated Design Data:**

1. Status:
 

(a) Date Design Started	Feb 2010
(b) Parametric Cost Estimate Used to Develop Costs	No
(c) Percent Complete as of January 1, 2010	0%
(d) Date 35 Percent Complete	Aug 2010
(e) Date Design Complete	Feb 2011
(f) Type of Design Contract	Design/Bid/Build
  
2. Basis:
 

(a) Standard or Definitive Design	No
(b) Date Design was Most Recently Used	N/A
  
3. Total Cost (c) = (a) + (b) or (d) + (e)
 

(a) Production of Plans and Specifications	
(b) All other Design Costs	
(c) Total	2,800
(d) Contract	2,400
(e) In-house	400
  
4. Contract Award April 2011
5. Construction Start May 2011
6. Construction Complete June 2013

I. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furnishings/Equipment	O&M	2011	450
Active Network Hardware for Local Area Network and Voice over IP Phone Systems (Passive cable plant installation priced and included as part of construction)	O&M	2011	350

1. COMPONENT DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>						2. Date February 2010			
3. Installation and Location United States Military Academy, West Point, NY				4. COMMAND DoDEA		5. AREA CONSTRUCTION COST INDEX 1.34				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 2009						235				235
b. END OF FY 2013						325				325
7. INVENTORY DATA (\$000)										
TOTAL ACREAGE .....						0				
INVENTORY TOTAL AS OF .....						0				
AUTHORIZATION NOT YET IN INVENTORY .....						0				
AUTHORIZATION REQUESTED IN THIS PROGRAM.....						27,960				
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....						0				
PLANNED IN NEXT THREE PROGRAM YEARS.....						0				
REMAINING DEFICIENCY.....						0				
GRAND TOTAL.....						27,960				
CATEGORY CODE 730-46	PROJECT TITLE Construct Addition to and Renovate Middle School			SCOPE 63,020 SF	COST (\$000) 27,960	DESIGN START Feb 2010	STATUS COMPLETE Jun 2013			
9. FUTURE PROJECTS										
a. INCLUDED IN FOLLOWING PROGRAM None										
b. PLANNED IN NEXT THREE YEARS None										
10. MISSION OR MAJOR FUNCTIONS Education										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (\$000 ) None										

1. Component <b>DoDEA</b>		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010	
3. Installation and Location Quantico Marine Corps Base, Quantico, VA			4. Project Title New Consolidated Elementary School		
5. Program Element		6. Category Code 730-55	7. Project Number AM 2455206		8. Project Cost (\$000) <b>47,355</b>
<b>9. Cost Estimates</b>					
		U/M	QUANTITY	UNIT COST \$/SF	COST (\$000)
<b>PRIMARY FACILITY</b>					
Dependent School-Elementary		SF	129,577	223	<b>28,896</b> (28,896)
<b>SUPPORTING FACILITIES</b>					<b>11,820</b>
Antiterrorism/Force Protection (AT/FP)		LS			(2,810)
Electrical Service		LS			(1,275)
Water, Sewer, & Gas		LS			(1,400)
Paving, Walks, Curbs, & Gutters		LS			(1,295)
Storm Drainage		LS			(854)
Site Preparation		LS			(810)
Communications		LS			(800)
Playgrounds		LS			(1,200)
Demolition of Elementary Schools		LS	91,766	15	(1,376)
<b>SUBTOTAL</b>					<b>40,716</b>
CONTINGENCY (5.0%)					2,036
DESIGN AFTER AWARD (DESIGN BUILD) (4.0%)					<u>1629</u>
<b>ESTIMATED CONSTRUCTION COST</b>					<b>44,381</b>
SUPERVISION & ADMINISTRATION (5.7%)					2,530
ENGINEERING DURING CONSTRUCTION (1.0 %)					<u>444</u>
<b>TOTAL PROJECT COST</b>					<b>47,355</b>
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b>					
<p>Construct a new 129,577 SF Consolidated Elementary School on Quantico Marine Corps Base, VA to serve 750 Pre-K through 5th Grade students and a Virtual School. Russell Elementary and Ashurst Elementary schools shall be demolished. The new reinforced concrete/steel elementary school will include general purpose classrooms, art classroom, music classroom, computer labs, gymnasium, multipurpose room with stage and kitchen, specialists' rooms, information center, administrative offices, teacher work rooms, and supply/storage rooms. The school will incorporate advanced communication systems to support technology program requirements, as well as general communications. The project scope will also include utilities, parking, bus loading/unloading area, playground, sports facilities, signage, fencing, landscaping, and security lighting. These facilities shall be designed in accordance with DoDEA Education Facilities Specifications, AT/FP standards, Americans with Disabilities Act Accessibility Guidelines, National Fire Protection Association Life Safety Code, Standards of Seismic Safety for Federally Owned Buildings, and energy conservation standards.</p> <p>This project includes the demolition of the following facilities: Russell Elementary Bldg 3301- 42,723 GSF and Ashurst Elementary Bldg 4320 – 49,043 GSF, for a total of 91,766 GSF.</p>					

1. Component  DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date  February 2010
3. Installation and Location  Quantico Marine Corps Base, Quantico, VA			4. Project Title  New Consolidated Elementary School	
5. Program Element	6. Category Code  730-55	7. Project Number  AM 2455206	8. Project Cost (\$000)  <b>47,355</b>	

**11. REQUIREMENT:**

**PROJECT:** Demolish the existing Russell Elementary School and Ashurst Elementary School at MCB Quantico, VA, and construct a single consolidated Elementary School at MCB Quantico, VA.

**REQUIREMENT:** A new elementary school is needed to accommodate 750 students in Pre-K through 5<sup>th</sup> grades and support present curriculums selected for that age group. The DoDEA America Virtual School will also occupy space in the new elementary school. The school would also incorporate functional areas meeting current education specifications and incorporate functional adjacencies that would simplify school administration.

**CURRENT SITUATION:** Russell ES is in poor condition warranting immediate replacement. Russell ES is 57 years old and has almost every force protection, infrastructure, safety and space problem possible. Window AC units are the norm in all classrooms with many units sagging due to failing metal window frames. Most windows are metal single pane resulting in significant energy loss and severe deterioration due to rusting. Concrete and brick work is damaged and crumbling around the entire facility. The roof has major leaks and cause damage to interior finishes and systems. The walls show signs of water infiltration. Water intrusion and moisture effects pose potential threats of mold and poor indoor air quality. Affecting education functionality, most classrooms are less than 800 square feet and many are less than 700 square feet. The media center, at 1,310 square feet barely qualifies as a kindergarten classroom in a modern facility. This replacement project will result in a modern, energy efficient school facility capable of meeting the students' educational needs, plus providing a safe and healthy facility that meets IAQ and force protection concerns. Ashurst ES is 47 years old. Major infrastructure items such and plumbing and electrical panels in the majority of the original building are past their useful life and require replacement. The entry drive to the school is restricted and parking cannot be expanded due to steep topography. Projected Enrollment: 750 students.

**IMPACT IF NOT PROVIDED:** Students will continue to be educated in substandard facilities that cannot provide an environment conducive to acceptable standards. Due to the age of Russell ES, the facility will continue to deteriorate and the costs of operating and maintaining will continue to increase. Many of the building systems at both Russell ES and Ashurst ES have reached the end of their useful life, resulting in system failures which will affect the educational function of the facility. Indoor air quality concerns will worsen with time.

**ADDITIONAL:** This project will be coordinated with the installation physical security plan and all required AT/FP measures will be included. The use of temporary classroom facilities will be included in the event the construction schedule is delayed as a result of unforeseen circumstances. Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders. Energy efficient and sustainable design and construction shall be equivalent to a LEED Silver Certification. Energy conservation and environmentally safe measures will be incorporated in this project wherever feasible, practical or required by regulation. All known alternatives were considered during the development of this project.

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

POC is Mr. Bruce McFarland, [bruce.mcfarland@hq.dodea.edu](mailto:bruce.mcfarland@hq.dodea.edu) (703) 588-3513.

1. Component  DoDEA	FY 2011 MILITARY CONSTRUCTION PROGRAM			2. Date  February 2010
3. Installation and Location  Quantico Marine Corps Base, Quantico, VA		4. Project Title  New Consolidated Elementary School		
5. Program Element	6. Category Code  730-55	7. Project Number  AM 2455206	8. Project Cost (\$000)  <b>47,355</b>	

**12. SUPPLEMENTAL DATA:**

A. Estimated Design Data:

1. Status:

(a) Date Design Started	Feb 2010
(b) Parametric Cost Estimate Used to Develop Costs	No
(c) Percent Complete as of January 1, 2009	0%
(d) Date 35 Percent Complete	Aug 2010
(e) Date Design Complete	May 2011
(f) Type of Design Contract	Design/Build

2. Basis:

(a) Standard or Definitive Design	No
(b) Date Design was Most Recently Used	N/A

3. Total Cost (c) = (a) + (b) or (d) + (e)

(a) Production of Plans and Specifications	
(b) All other Design Costs	
(c) Total	1600
(d) Contract	1400
(e) In-house	200
4. Contract Award	Dec 2010
5. Construction Start	Feb 2011
6. Construction Complete	May 2013

J. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furnishings/Equipment	O&M	2011	750
Active Network Hardware for Local Area Network and Voice over IP Phone Systems (Passive cable plant installation priced and included as part of construction)	O&M	2011	650

1. COMPONENT  DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>					2. Date  February 2010				
3. Installation and Location Quantico Marine Corps Base, Quantico, VA				4. COMMAND DoDEA		5. AREA CONSTRUCTION COST INDEX 0.99					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 2009							625				625
b. END FY 2013							750				750
7. INVENTORY DATA (\$000)											
TOTAL ACREAGE .....							0				
INVENTORY TOTAL AS OF .....							0				
AUTHORIZATION NOT YET IN INVENTORY .....							0				
AUTHORIZATION REQUESTED IN THIS PROGRAM.....							47,355				
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....							0				
PLANNED IN NEXT THREE PROGRAM YEARS.....							0				
REMAINING DEFICIENCY.....							0				
GRAND TOTAL.....							47,355				
CATEGORY CODE 730-55		PROJECT TITLE Construct New Consolidated ES			SCOPE 129,577 SF		COST (\$000) 47,355		DESIGN START Feb 2010		STATUS COMPLETE May 2013
9. FUTURE PROJECTS											
a. INCLUDED IN FOLLOWING PROGRAM None											
b. PLANNED IN NEXT THREE YEARS Quantico M/HS \$39.5M											
10. MISSION OR MAJOR FUNCTIONS Education											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (\$000 ) None											

1. COMPONENT DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>					2. Date February 2010				
3. Installation and Location Alconbury, United Kingdom				4. COMMAND DoDEA		5. AREA CONSTRUCTION COST INDEX 1.10					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 2009							215				215
b. END FY 2013							226				226
7. INVENTORY DATA (\$000)											
TOTAL ACREAGE .....										0	
INVENTORY TOTAL AS OF .....										0	
AUTHORIZATION NOT YET IN INVENTORY.....										0	
AUTHORIZATION REQUESTED IN THIS PROGRAM.....										30,308	
AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....										0	
PLANNED IN NEXT THREE PROGRAM YEARS.....										0	
REMAINING DEFICIENCY.....										0	
GRAND TOTAL.....										30,308	
<u>CATEGORY CODE</u> 730-46		<u>PROJECT TITLE</u> Replace School			<u>SCOPE</u> 69,815 SF		<u>COST (\$000)</u> 30,308		<u>DESIGN START</u> Mar 2010		<u>STATUS COMPLETE</u> Jun 2013
9. FUTURE PROJECTS											
a. INCLUDED IN FOLLOWING PROGRAM None											
b. PLANNED IN NEXT THREE YEARS Alconbury HS, \$32,000,000											
10. MISSION OR MAJOR FUNCTIONS Education											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: None											

1. Component DoDEA		<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>		2. Date February 2010	
3. Installation and Location Alconbury, United Kingdom			4. Project Title Alconbury Elementary School Replacement		
5. Program Element		6. Category Code 730-46	7. Project Number EUR D02041	8. Project Cost (\$000) <b>30,308</b>	

9. Cost Estimates				
	U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b> Construction	SF	69,815	276.75	<b>19,321</b> (19,321)
<b>SUPPORTING FACILITIES</b>				<b>6,905</b>
Paving and Walks, Curbs and Gutters	LS			(1,048)
Site Preparation & Development	LS			(662)
Water, Sewer & Gas	LS			(1,003)
Storm Drainage	LS			(775)
Electrical Service	LS			(1,100)
Communication	LS			(522)
Antiterrorism/Force Protection (AT/FP)	LS			(1,095)
Demolition	LS			(700)
<b>SUBTOTAL</b>				<b>26,226</b>
CONTINGENCY (5.0%)				1,311
DESIGN AFTER AWARD (DESIGN BUILD) (2.5%)				<u>656</u>
<b>ESTIMATED CONSTRUCTION COST</b>				<b>28,193</b>
SUPERVISION & ADMINISTRATION (6.5%)				1,833
ENGINEERING DURING CONSTRUCTION (1.0%)				<u>282</u>
<b>TOTAL PROJECT COST</b>				<b>30,308</b>

**10. DESCRIPTION OF PROPOSED CONSTRUCTION:**

This project will construct a new elementary school. The project will include kindergartens, general purpose classrooms, multipurpose room with cafeteria and kitchen, information center, computer lab, supply areas, specialist rooms, music room, art room, learning impaired room, teacher work rooms, counseling areas, storage and administrative offices. Project includes related infrastructure such as parking areas, mechanical rooms, delivery areas, and playgrounds. Site improvements include signage, fencing, paving, landscaping, covered walkways, exterior lighting and utilities. The project development will require the demolition of buildings 677, 682, and 694. Phased building demolition will be required to accommodate new construction without interrupting school operations. Provide temporary classroom facilities. Facilities will be designed in accordance with DoDEA Education Facilities Specifications, Americans with Disabilities Act Accessibility Guidelines, National Fire Protection Association Life Safety Code, Standards of Seismic Safety for Federally Owned Buildings, and energy conservation standards. Sustainable design will be integrated into the design in accordance with Silver Leadership in Energy and Environmental Design (LEED) criteria.

1. Component DoDEA	<b>FY 2011 MILITARY CONSTRUCTION PROGRAM</b>			2. Date February 2010
3. Installation and Location  Alconbury, United Kingdom			4. Project Title Alconbury Elementary School Replacement	
5. Program Element	6. Category Code  730-46	7. Project Number  EUR D02041	8. Project Cost (\$000)  <b>30,308</b>	
<p><b>11. REQUIREMENT:</b></p> <p><u>PROJECT:</u> Replace the existing elementary by constructing a new elementary school.</p> <p><u>REQUIREMENT:</u> The new school is required to provide adequate academic facilities for students in grades Kindergarten through 5.</p> <p><u>CURRENT SITUATION:</u> The existing facilities are in failing condition. Many of the buildings being replaced are 30 to 50 years old. Existing classroom and education spaces are dispersed across the school grounds. Inefficiencies due to travel times to these dispersed locations can be observed as students travel between classrooms, the dining facility and other activities. Additionally, undersized classrooms, inadequate facilities, and poorly configured buildings further reduce efficiency and fail to meet the standards of the DoDEA Educational Facilities Specifications. Aging utility infrastructure systems result in excessive maintenance costs. Most infrastructure has suffered due to a lack of required repair and maintenance and has exceeded its useful life. There are numerous NFPA Life Safety and ADA code violations and no fire suppression systems. Bathrooms and plumbing are in severe need of renovation. Indoor air quality is a growing concern due to moisture and mold. The facilities do not meet construction standards for force protection and energy efficiency. Numerous maintenance and repair problems have developed and are becoming non-repairable. The existing facilities do not meet many of the AT/FP requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The continued use of unsafe, inadequate, and undersized facilities that do not accommodate the current student population will continue to impair the overall educational program for students. If new facilities are not provided, the substandard environment will continue to hamper the educational process. The condition of the school is impacting the quality of education for the students. Yearly maintenance and utility costs will continue to run high and the school will continue to struggle performing their mission in a limited capacity due to the inadequate and undersized facilities.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plans and all AT/FP measures are included. The use of temporary classroom facilities will be included in the event the construction schedule is delayed as a result of unforeseen circumstances and to accommodate the phased demolition of buildings. Sustainable principles will be integrated in the design, development and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders. Energy conservation and environmentally safe measures will be incorporated in this project wherever feasible, practical or required by regulation. All known alternatives were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p> <p><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.</p> <p>POC is Mr. Bruce McFarland, <a href="mailto:bruce.mcfarland@hq.dodea.edu">bruce.mcfarland@hq.dodea.edu</a> (703) 588-3513</p>				

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**12. SUPPLEMENTAL DATA:**

A. Estimated Design Data:

1. Status:

(a) Date Design Started	Mar 2010
(b) Parametric Cost Estimate Used to Develop Costs	No
(c) Percent Complete as of January 1, 2010	0%
(d) Date 35 Percent Complete	Sep 2010
(e) Date Design Complete	May 2011
(f) Type of Design Contract	Design/Build

2. Basis:

(a) Standard or Definitive Design	No
(b) Date Design was Most Recently Used	N/A

3. Total Cost (c) = (a) + (b) or (d) + (e)

(a) Production of Plans and Specifications	
(b) All other Design Costs	
(c) Total	0
(d) Contract	1,425
(e) In-house	570
4. Contract Award	Dec 2010
5. Construction Start	May 2011
6. Construction Complete	Jun 2013

K. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furnishings/Equipment	O&M	2013	300
Kitchen Equipment (Military Service Funded)	O&M	2013	350
Active Network Hardware for Local Area Network and Voice over IP Phone Systems (Passive cable plant installation priced and included as part of construction)	O&M	2013	400