1. COMPONENT 2. DATE **FY 2013 MILITARY CONSTRUCTION PROJECT DATA** Mar 13 4. PROJECT TITLE 3. INSTALLATION AND LOCATION Charlotte USARC AMSA 122 Addition Charlotte, NC 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 5. PROGRAM ELEMENT 214 CAR 13-NC100

0.0007 5071				
9. COST ESTIN	MATES			-
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES:				
Maintenance Building	SF	7,247		(
SUPPORTING FACILITIES:				
Site Improvement	LS	-		(
MEP/Aprons	SY	7 , 567		(
Bi-Level Loading Ramp	EΑ	1		(
POV Parking	SY	1,500		(
Information Systems	LS	-		(
Antiterrorism/Force Protection	LS	-		
TOTAL CONSTRUCTION COST				
Contingencies (5.0%)				
Supervision and Administration (5.7%)				
TOTAL PROJECT COST				
Equipment Provided By Exchange Partner			(Non-Add)	

10. DESCRIPTION OF PROPOSED CONSTRUCTION

0532292A

Construct a new drive-thru maintenance facility to support Area Maintenance Support Activity (AMSA) 122. Building will be permanent construction with reinforced concrete foundations; concrete floor slabs; reinforced concrete or masonry walls; low-slope or sloped roof; Heating, Ventilation and Air Conditioning (HVAC); and plumbing, mechanical, security and electrical systems. Supporting facilities include land clearing, demolition of existing loading ramp, paving, fencing, general site improvements and utility connections to include tying in storm water system to exit property. Additional requirements include; bi-level equipment loading ramp, Privately Owned Vehicle (POV) and Military Equipment Parking (MEP), arms vault, and a 10-ton overhead crane. Accessibility for the disabled will be provided. Anti-Terrorism/Force Protection (AT/FP) and physical security measures will be incorporated into the design including maximum standoff distances from roads, parking areas and vehicle unloading areas. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 50 years. Energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance.

DD FORM 1391

1. COMPONENT
AR

FY 2013 MILITARY CONSTRUCTION PROJECT DATA

Mar 13

3. INSTALLATION AND LOCATION
Charlotte USARC
Charlotte, NC

4. PROJECT TITLE
AMSA 122 Addition

5. PROJECT NUMBER
CAR 13-NC100

10. DESCRIPTION OF PROPOSED CONSTRUCTION (CONT)

MISSION: Existing A/C Tonnage: 0

11. REQUIREMENT: 7,247 SF Adequate: 0 SF Substandard: 7,809 SF

PROJECT:

Construct a new stand alone drive-thru maintenance facility including an arms vault, 10-ton overhead crane, bi-level loading ramp, and MEP/POV parking to support AMSA 122. (Current Mission) REOUIREMENT:

The maintenance shop addition will provide work bays and maintenance administrative support. An arms vault, 10-ton overhead crane, bi-level loading ramp and MEP/POV will also be provided. Installed equipment includes; fluid distribution system, compressed air system, hose bib, hot water heater, shelving/parts/storage, bench, outlets for trouble lights, and overhead vehicle exhaust system.

CURRENT SITUATION:

Currently the armorer has no space to perform work. There is no space available inside current maintenance facility. IMPACT IF NOT PROVIDED:

If this project is not provided, AMSA 122 will be forced to operate and train in facilities not properly configured to allow the most effective training to complete mission requirements. This will continue to have a negative impact on training and retention objectives. ADDITIONAL:

A parametric cost estimate based upon project engineering design was used to develop this budget estimate. 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. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required anti-terrorism/force protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. The facility will be available for use by other components.

12. SUPPLEMENTAL DATA

- a. Estimated design data:
 - (1) Status:

1 DEC 76

- (a) Date Design Started.....
- (b) Percent Complete As Of
- (c) Date Design 35% Complete.....
- (d) Date Design Complete.....

DD FORM **1391c** Page 2 of 3

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1. COMPONENT				2. DATE
AR	FY 2013 N	MILITARY CONST	RUCTION PROJECT DATA	Mar 13
3. INSTALLATION AND Charlotte US	SARC			
4. PROJECT TITLE AMSA 122 Add	dition			5. PROJECT NUMBER CAR 13-NC100
(f) Type (g) An endocumented documented doc	of Design nergy stud uring the : dard or De e Design W Cost (c) uction of Other Desi l ract uruction Aw ruction St ruction Co	dy and life cyc final design. efinitive Designas Most Recent = (a) + (b) or Plans and Specton Costs	sed to Develop Cost le cost analysis will be n	Design - Bid - Build No N/A
Equipmer Nomenclat		Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
IT Equipment Collateral Furniture		OMAR OMAR OMAR	2014 2014 2014	
			Total	:
Point of Co	ntact: Mr.	. Gregory, 703-	806-6779	

1. COMPONENT AR		JARD AND F Y CONSTRU	_		2.DATE Mar 1	
3. INSTALLATION A						CONSTR
Charlotte U	SARC, Charlotte, NC				COST IN	DEX 0.8
						U.O
5. FREQUENCY ANI	O TYPE UTILIZATION					
Reservist		0 weekend	s/month	0 ni	.ghts/w	reek
Full-Time P	ersonnel -	0 days/we			J 1	
Tull lime I	CISOINICI	o days, we	CK			
6. OTHER ACTIVE/G	GUARD/RESERVE INSTALLATIONS	WITHIN 15 MILE RAI	DIUS			
7. PROJECTS REQU	JESTED IN THIS PROGRAM					
CATEGORY				COST	(DESIGI	N STATUS)
CODE	PROJECT TITLE		SCOPE	(\$000)	START	COMPLETE
214	AMSA 122 Additi	on	7,247 SF		N/A	N/A
8. STATE RESERVE	FORCES FACILITIES BOARD RECO	OMMENDATION				
	identified in item					2012
	ce Reserve Componen					
Joint use/e	expansion. The board	recommends	unilateral	CONSTR	JCLION.	•
9. LAND ACQUISITI						
None	JN REQUIRED				0 /	AC
					(Number	of Acres)
10. PROJECTS PLAI	NNED IN NEXT FOUR YEARS	FISCAL YEAR	CO: (\$00			
None						
None						

1. COMPONENT				ND RESERV	E	2. DAT	
AR 3. INSTALLATION AN		WIILIIA	KT CONS	STRUCTION		Mar 4. ARE	A CONSTR
Charlotte US		lo++o NC				COST	NDEX
							0.8
11. PERSONNEL STR	RENGTH AS OF	26 Mar 2	013				
		DEDM			CIII DD	/DE 355	
	TOTAL	PERMA OFFICER	ANENT ENLISTED	CIVILIAN		/RESERV Officer	/ E ENLISTED
AUTHORIZED	16	0	0	16	0	0	
ACTUAL	16	0	0	16	0	0	(
12. RESERVE UNIT D	NATA						
12. RESERVE UNIT L		D/AUTH () %	STR	RENGTH		
UNIT DESIG	GNATION			AUTHORIZED	A	CTUAL	
Totals				0		0	
13. MAJOR EQUIPME	ENT AND AIRCF	RAFT					
TYPE				AUTHORIZED	A	CTUAL	
Wheeled Veh	icles			0		0	
Trailers				0		0	
Tracked Veh:	icles			0		0	
Totals				0		0	
14. OUTSTANDING P	OLLUTION AND	SAFETY DEFIC	CIENCIES				
					(\$000)		
Air Pollutio					0		
Water Pollut			- la		0		
Safety and (Jecupatio	nai heait	in		0		

Project Title : AMSA 122 Addition

FACID : NC100

Project Validation

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve units in the area in which this facility is to be located has been reviewed in accordance with DOD Directive 1225.7. It has been determined, in coordination with all other Services having Reserve units in the area, that the number of units of the Reserve components of the Armed Forces presently located in the area and those which have been allocated to the area for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength.

RSC/Installation Commander

REF: E-3 f(2), 140-483

Project Title: AMSA 122 Addition

Date: Mar 26, 2013

Description	Information S Authorized	ystems Approved	Criteria
1. Administrative Area:			
Full Time:	0	0	1 per full time employee
Unit Exclusive:	0	0	1 per auth excl space
Unit Common:	0	0	1 per 6 on largest drill
Retention:	1	1	1 per center
2. Supply Areas:			
Supply Offices:	0	0	1 per supply office
3. Maintenance Shop Areas:			
OMS Shop Office:	0	0	1 per 2 desks
AMSA Shop Office:	2	2	1 per desk
AMSA Classrooms:	1	1	1 per AMSA
AMSA Commo/Elec Shop:	0	0	1 per shop
AMSA Instrument Repair:	0	0	1 per shop
AMSA Small Arms Repair:	1	1	1 per shop
OMS/AMSA Shop/Workbay Area:	: 1	1	1 per shop
AMSA Supply Room:	1	1	1 per shop
AMSA Tool Room:	1	1	1 per shop
4. Support Areas:			
Fire Alarm:	1	1	1 per center
IDS/JSIDS:	1	1	1 per center
Special:	0	0	as justified on encl.
Total Instruments:	10	10	

Project Title: AMSA 122 Addition

Date: Mar 26, 2013

Information Systems

••••	ommanom oyoto		
Description	Authorized Ap	pproved	Criteria
Construction Primary Funded (\$000)	\$		
Construction Support Funded (\$000)	\$		
Equipment Funded (\$000)	\$		
ISCE Last Modified Date	26/0	03/2013	

ISCE Last Modified Date

Basic Project Data - Analysis/ English

Project Number: NC100

Project Title: AMSA 122 Addition
Date: Mar 26, 2013

All Dates are in (DD/MM/YYYY) Format

Basic Information

RSC/Arcom: 81ST RSC FACID NC100

Facility Name: Charlotte Usarc

Street: Bld. 1324,1330 Westover St

City: Charlotte State: NC Zip: 28205-5124

Preparation Date of Documents: 26/03/2013

* Pattern of Facility Usage

Full Time Personnel 0 Days/Week
Reservist 0 Nights/Week
Reservist 0 Weekend/Month

* State Facility Review Board Recommendation
Date of Recommendation 24/10/2012
Recommendation is Modernization Construction

* Existing Sizes

0 Administrative 0 Assembly 0 Kitchen Weapons 0 0 Education 0 Storage 0 Special Training 0 Support

Total Facility (existing/avail): 0 / 0

Total Shop (existing/avail): 7,809 / 7,809

Unheated Storage (existing/avail): 0 / 0

* Land Acquisition and Additional Projects

Acres Required For Land Acquisition: 0 AC
Type Interest/ Acquisition Method: None
Acres Available: 0 AC

* Additional Project Planned in Next Years

Project 1) Project 2)

* Nearest Six Military Installations

Component Activity City STATE Milt Act Dist Size U/M Year Built

Basic Project Data - Analysis/ English

Project Number: NC100

Project Title: AMSA 122 Addition
Date: Mar 26, 2013

All Dates are in (DD/MM/YYYY) Format

* Unit Information

Unit Name AMSA 122(G)(CHARLOTTE, NC)

 $\begin{array}{ll} \text{UIC} & \text{W6KF21} \\ \text{Drill Weekend} & 0 \end{array}$

Type of Unit TDA AMSA OR ECS

* AMSA

Number of Supported Vehicles: 450

Recognized Personnel

Administrative 2
Automotive/Engineers 12
Commo/Elec Techs 0
Instrument Repair Techs 0
Small Arms Repair Techs 1
Other 1

This is an Existing Mission

 $\begin{array}{ll} \text{Modernization} & Y \\ \text{Replacement} & N \\ \text{New Construction} & N \end{array}$

0

^{*} Mission Information

Basic Project Data - Analysis/ English Project Number: NC100

NC100

Project Title: AMSA 122 Addition Date: Mar 26, 2013

All Dates are in (DD/MM/YYYY) Format

^{*} Unit Information

		Res S	Strength		Full 7	Time Strengt	h	
UIC	Unit Name	OFF	WO	ENL	OFF	ENL	CIV	Drill Weekend
W6KF21	AMSA 122(G)(CHARLOT	0	0	0	0	0	16	0
	Totals	0	0	0	0	0	16	

Basic Project Data - Analysis/ English Project Number: NC100

NC100

Project Title: AMSA 122 Addition Date: Mar 26, 2013

All Dates are in (DD/MM/YYYY) Format

Project Totals - Analysis/ English

	Authorized Size	Approved Size	Existing Size for Alteration	Size of Addition	Size of New Building
Maintenance - Tank and Automotive	11,129	12,836	7,809	5,027	0
- Total	11,129	12,836	7,809	5,027	0

Project Title: AMSA 122 Addition

Date: Mar 26, 2013

Functional Space Details - Analysis/ English

214 - Maintenance - Tank and Automotive

	Authorized	Approved	Existing	Memo
214 - Maintenance - Tank and Automotive				
A. Organizational Maintenance Shop (OMS)	0	0	0	
(1) Shop Office	0	0	0	
(2) Tool & Parts Room	0	0	0	
(3) Storage Room	0	0	0	
(4) Flammable Storage	0	0	0	
(5) Controlled Waste Storage	0	0	0	
(6)	0	0	0	
(7)	0	0	0	
3. Area Maintenance Support (AMSA)	2,914	2,757	2,427	
(1) Shop Office	276	1,120	638	
(2) Locker Room	160	0	100	
(3) Class Room/Break Area	200	0	458	
(4) Tool Room	576	576	344	
(5) Parts Room	576	237	551	
(6) Library	150	0	0	
(7) Battery Room	50	53	157	
(8) Commo/Electronics Shop	0	0	0	
(9) Instrument Repair	0	0	0	
(10) Small Arms Repair	100	100	0	
(11) Small Arms Vault	100	100	0	
(12) Flammable Storage	150	70	80	
(13) Controlled Waste Storage	576	330	99	
(14) Fluid Distribution	0	171	0	
(15)	0	0	0	
C. DS/GS Maintenance Shop Special Areas	0	0	0	
Maximum Authorized = 5,250 SF/4	188 m2			
(1)	0	0	0	
(2)	0	0	0	
(3)	0	0	0	
(4)	0	0	0	
(5)	0	0	0	
(6)	0	0	0	
D. Joint Maintenance Areas (OMS/AMSA)	6,730	8,303	3,720	

Project Title: AMSA 122 Addition

Date: Mar 26, 2013

Functional Space Details - Analysis/ English

214 - Maintenance - Tank and Automotive

	Authorized	Approved	Existing	Memo
(1) Work Bays	5,440	6,144	3,620	
(2) Mechanical/Custodial	460	371	0	
(3) ARNET/IT Closet	280	79	0	
(4) Equipment Alcove	200	542	0	
(5) Mens Toilets & Showers	200	178	100	
(6) Womens Toilets & Showers	150	71	0	
(7) Electrical Room	0	150	0	
(8) Bay Safety Aisle	0	768	0	
Total Shop Net Area	9,644	11,060	6,147	
Circulation Allowance (15% of Net SF)	520	670	0	
Structural Allowance (10% of Net SF)	965	1,106	0	
Total Shop Gross Area	11,129	12,836	7,809	
Outgranted Area			0	
Total Shop Available Gross Area			7,809	

Project Title: AMSA 122 Addition

Date: Mar 26, 2013

Functional Space Details - Analysis/ English

SPRT - Support Facilities

	Authorized	Approved	Existing	Memo
X. Supporting Facilities				
A. Privately Owned Vehicle Parking (POV) (SY)	520	520	0	
B. Military Equipment Parking (MEP)	2,250	2,250	7,007	
(1) OMS (SY)	0	0	0	
(2) AMSA (SY)	2,250	2,250	7,007	
(3) ECS	0	0	0	
Number of Vehicles at the ECS	0	0	0	
ECS (SY)	0	0	0	
C. Wash Platforms (EA)	0	0	0	
D. MEP Fencing (LF)	572	572	0	
E. MEP Lighting (EA)	2	2	0	
F. Access Roads (SY)	225	5,000	0	
G. Sidewalks (SY)	0	0	0	
H. Service/Access Apron (SY)	640	5,317	0	
(1) Maintenance Shop (SY)	480	5,317	0	
(2) Unheated Storage (SY)	160	0	0	
I. Fuel Storage and Dispensing (EA)	0	0	0	
J. Equipment Loading Ramp (EA)	0	0	0	
K. Marine Pier/Dock (EA)	0	0	0	
L. Flagpole (EA)	1	1	0	
M. Occupational Safety and Health Equipment (EA)	0	0	0	
(1)	0	0	0	
(2)	0	0	0	
N. Provide one 10-ton overhead crane	0	1	0	
O. MKT Concrete Pad (EA)	0	0	0	

Project Title: AMSA 122 Addition

Date: Mar 26, 2013

Functional Space Details - Analysis/ English

STAT - Statistics

Description	Center	Shop	UNH Strg	WHS Strg
Total Square Footage For:				
Authorized Size	0	11,129	0	0
Approved Size	0	12,836	0	0
Existing Size for Alteration	0	7,809	0	0
Size of Addition	0	5,027	0	0
Size of New Building	0	0	0	0
Center Statistics	Total Personnel	Weekend		
Rated Capacity	0			
Largest Drill Weekend	0	0		
Largest Admin Weekend	0	0		
Largest Maintenance Weekend	0	0		
Weekends Per Month	0			

Project Title: AMSA 122 Addition

Date: Mar 26, 2013

Functional Space Details - Analysis/ English

Project Totals - Analysis/ English

	Authorized Size	Approved Size	Existing Size for Alteration	Size of Addition	Size of New Building
214-Maintenance-Tank/Automotive	11,129	12,836	7,809	5,027	0
Totals (SF)	11,129	12,836	7,809	5,027	0

Project Number : NC100 Project Title : AMSA 1 : AMSA 122 Addition Date : Mar 26, 2013

Functional Space Details - Analysis/ English