

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Navy										Date: March 2019		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0605220N I (U)Ship to Shore Connector (SSC)							
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	366.118	31.583	1.444	4.909	-	4.909	5.146	0.000	0.000	0.000	0.000	409.200
3133: Ship to Shore Connectors Contract Design	8.209	8.968	1.106	2.051	-	2.051	0.000	0.000	0.000	0.000	0.000	20.334
3137: SSC Construction	357.909	12.964	0.338	2.858	-	2.858	5.146	0.000	0.000	0.000	0.000	379.215
9999: Congressional Adds	0.000	9.651	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	9.651
Program MDAP/MAIS Code: Project MDAP/MAIS Code(s): 303												
A. Mission Description and Budget Item Justification Note: This effort was previously funded under PE 0604567N under projects 3133 and 3137 (FY 2014 and prior). This PE directly funds and supports the detail design, development, construction, issue resolution, certification, integration and testing of the Ship to Shore Connector (SSC). The lead craft (Craft 100) will be maintained as a test and training platform throughout its life cycle. SSC is an air-cushioned landing craft intended to transport personnel, weapon systems, equipment, and cargo from amphibious vessels to shore in assault and non-assault operations. The SSC program provides the capability to rapidly move assault forces within the littoral operational environment to accomplish Unified Command Plan (UCP) missions and ensures the Joint Force Commander's (JFCDR's) ability to conduct amphibious operations and operate over the high water mark, including movement over ice, mud, rivers, swamps and marshes. The SSC program provides the functional replacement for the LCAC craft, including Service Life Extension Program(SLEP) which began to degrade below the Required Operational Capability/Projected Operational Environment (ROC/POE) requirement beginning in 2015. SSC addresses this capability gap.												

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PE 0605220N: (U)Ship to Shore Connector (SSC)
Navy

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy										Date: March 2019		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)				Project (Number/Name) 3133 / Ship to Shore Connectors Contract Design			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
3133: Ship to Shore Connectors Contract Design	8.209	8.968	1.106	2.051	-	2.051	0.000	0.000	0.000	0.000	0.000	20.334
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
Project MDAP/MAIS Code: 303												
A. Mission Description and Budget Item Justification Ship to Shore Connector (SSC) - This project provides the Preliminary and Contract design and Class test efforts for the SSC Program. The SSC program provides the capability to rapidly move assault forces within the littoral operational environment to accomplish Unified Command Plan (UCP) missions and ensures the Joint Force Commander's (JFCDR's) ability to conduct amphibious operations and operate over the high water mark, including movement over ice, mud, rivers, swamps and marshes. SSC provides the functional replacement for the LCAC craft, which begin reaching end of extended service life in 2015. For FY15 and beyond, this project will provide for Class Test and Evaluation of components and systems, as well as all programmatic effort and support activities necessary for the development and execution of Class T&E plans and programs.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Title: Ship to Shore Connectors Contract Design <div style="text-align: right;">Articles:</div>								8.968	1.106	2.051	0.000	2.051
								-	-	-	-	-
FY 2019 Plans: Continue Class T&E Program and preparation for PDT&T.												
FY 2020 Base Plans: Commence execution of PDT&T. PDT&T will consist of planning and execution of 27 test events to validate first of class certification and performance requirements, characterize the craft operational envelope, provide confidence to certify the craft readiness for integrated testing and IOT&E, and to verify SSC production and performance to support a Full Rate Production Decision (FRPD). PDT&T tests will support the reliability growth program by conducting 240 hours of on-cushion operations and providing craft level failure data for use with the reliability growth model.												
FY 2020 OCO Plans: N/A												
FY 2019 to FY 2020 Increase/Decrease Statement:												

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy				Date: March 2019	
Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)		Project (Number/Name) 3133 / Ship to Shore Connectors Contract Design	

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Increase supports execution of PDT&T events in FY20.					
Accomplishments/Planned Programs Subtotals	8.968	1.106	2.051	0.000	2.051

C. Other Program Funding Summary (\$ in Millions)											
			FY 2020	FY 2020	FY 2020						Cost To
Line Item	FY 2018	FY 2019	Base	OCO	Total	FY 2021	FY 2022	FY 2023	FY 2024	Complete	Total Cost
• RD TEN 3137: SSC Construction	12.964	0.338	2.858	-	2.858	5.146	0.000	0.000	0.000	0.000	379.215
• SCN 5112: Ship to Shore Connector	529.654	517.275	0.000	-	0.000	274.140	476.245	352.040	359.094	1,624.090	4,654.535

Remarks

D. Acquisition Strategy

The Test and Training craft (Craft 100) and Craft 101 have been executed on contract. Craft 100 was procured and constructed with RD TEN. LCAC 101 was awarded with RD TEN and transferred to SCN for completion. The Detail Design and Construction contract includes options for construction of an additional seven SCN craft, all of which have been awarded (LCAC 102-108). Craft authorized for FY17-19 will be awarded on a new contract.

E. Performance Metrics

Continue Operation Testing (Phases C and D)

Continue Follow on SCN Craft Production Testing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Navy												Date: March 2019			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)				Project (Number/Name) 3133 / Ship to Shore Connectors Contract Design					
Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Post Delivery Test & Trials	Various	NSWC PCD : Various	1.000	5.300	Mar 2019	0.823	May 2019	1.200	Dec 2019	-		1.200	0.000	8.323	-
Developmental Test & Evaluation	Various	SUPSHIP/ TEXTRON : Various	0.624	0.600	Apr 2018	0.000		0.000		-		0.000	0.000	1.224	-
Operational Test & Evaluation	Various	Various : Various	3.298	1.509	May 2018	0.283	Jul 2019	0.851	Jun 2020	-		0.851	0.000	5.941	-
Live Fire Test & Evaluation	Various	Various : Various	3.287	1.559	May 2018	0.000		0.000		-		0.000	0.000	4.846	-
Subtotal			8.209	8.968		1.106		2.051		-		2.051	0.000	20.334	N/A
Remarks															
FY 2020 increase supports readiness for IOT&E.															
			Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			8.209	8.968		1.106		2.051		-		2.051	0.000	20.334	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Navy

Date: March 2019

Appropriation/Budget Activity

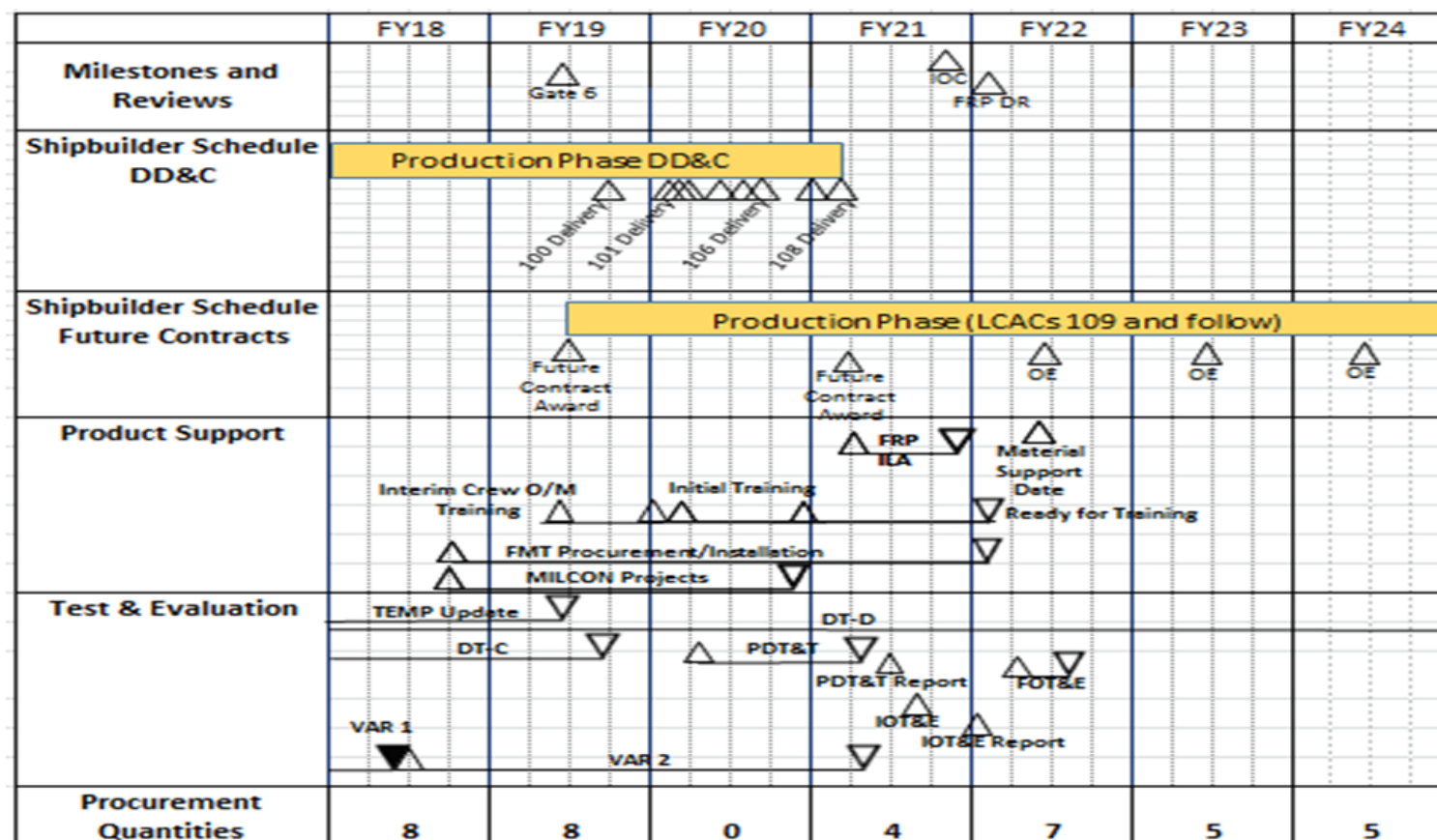
1319 / 5

R-1 Program Element (Number/Name)

PE 0605220N / (U)Ship to Shore Connector (SSC)

Project (Number/Name)

3133 / Ship to Shore Connectors Contract Design



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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)	Project (Number/Name) 3133 / Ship to Shore Connectors Contract Design

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3133				
Post Delivery Test & Trials (PDT&T)	2	2020	2	2021
Initial Operational Test and Evaluation (IOT&E)	3	2021	4	2021
Full Rate Production (FRP) Program Review (PR)	1	2022	2	2022

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy										Date: March 2019		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0605220N I (U)Ship to Shore Connector (SSC)				Project (Number/Name) 3137 I SSC Construction			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
3137: SSC Construction	357.909	12.964	0.338	2.858	-	2.858	5.146	0.000	0.000	0.000	0.000	379.215
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
Project MDAP/MAIS Code: 303												
A. Mission Description and Budget Item Justification												
This project funds the Ship to Shore Connector (SSC) Engineering & Manufacturing Development phase which includes Detail Design and Construction, Product Support, Government Furnished Equipment (GFE), Program support, and Outfitting and Post Delivery. The lead craft will be maintained as a test and training platform throughout its life cycle. The SSC program provides the capability to rapidly move assault forces within the littoral operational environment to accomplish Unified Command Plan (UCP) missions, and ensures the Joint Force Commander's (JFCDR's) ability to conduct amphibious operations and operate over the high water mark, including movement over ice, mud, rivers, swamps and marshes. The SSC program provides the functional replacement for the LCAC craft, which began reaching end of extended service life in 2015. Funding for this effort was previously executed under PE 0604567N.												
TEST AND TRAINING CRAFT 100 (in \$ million):												
Plans/Basic Construction:.....255.031 - (FY20 0.000)												
Change Orders:.....13.618 - (FY20 0.000)												
Electronic:.....8.407 - (FY20 0.000)												
HM&E:.....29.823 - (FY20 0.000)												
Other Support:.....36.623 - (FY20 0.000)												
Ordnance:.....0.008 - (FY20 0.000)												
Post Delivery/Outfitting:.....4.000 - (FY20 0.000)												
Total:.....347.510 -(FY20 0.000)												
NOTE - The SSC Construction project unit prior year column (FY11-17) total funding is \$357.909 million for the SSC program. In the prior years FY11-14, the program was funded in PE 0604567N Ship Contract Design/Live Fire T&E. Funds breakout is as follows:												
LCAC 100												
PE 0604567N 279.863 million FY11-14												
PE 0605220N 39.715 million FY15												
LCAC 101												
PE 0604567N 23.700 million FY13-14												

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy						Date: March 2019					
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)			Project (Number/Name) 3137 / SSC Construction				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)											
				FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total			
Title: SSC Construction				12.964	0.338	2.858	0.000	2.858			
Articles:				-	-	-	-	-			
FY 2019 Plans: Deliver Craft 100. Continue Production Support and Test & Evaluation efforts.											
FY 2020 Base Plans: Commence Post Delivery Test and Trials (PDT&T) and associated tasking for Craft 100. Funding provides for the operating crew and maintenance support of SSC test platform at Naval Surface Warfare Center (NSWC) Panama City. This craft is used to test proposed craft changes, Research and Development efforts for LCAC, and the identification and resolution of maintenance issues.											
FY 2020 OCO Plans: N/A											
FY 2019 to FY 2020 Increase/Decrease Statement: Funding increase in FY 2020 supports Craft 100 sustainment requirements.											
Accomplishments/Planned Programs Subtotals				12.964	0.338	2.858	0.000	2.858			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• RDTEN 3133: Ship to Shore Connectors Contract Design	8.968	1.106	2.051	-	2.051	0.000	0.000	0.000	0.000	0.000	20.334
• SCN 5112: Ship to Shore Connector	529.654	517.275	0.000	-	0.000	274.140	476.245	352.040	359.094	1,624.090	4,654.535
Remarks											
D. Acquisition Strategy The Test and Training craft (Craft 100) and Craft 101 have been executed on contract. Craft 100 will be procured and constructed with RDTEN. LCAC 101 was awarded with RDTEN and transferred to SCN for completion. The Detail Design and Construction contract includes options for construction of an additional seven SCN craft, all of which have been awarded (LCAC 102-108). Craft authorized for FY17-19 will be awarded on a new contract.											
E. Performance Metrics Deliver Test and Training Craft 100.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Navy **Date:** March 2019

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)	Project (Number/Name) 3137 / SSC Construction
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Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test & Trng Craft Ship Design	C/CPFF	Various : Various	3.804	0.000		0.000		0.000		-		0.000	0.000	3.804	-
Test & Trng Craft Detail Design/Construction	C/FPIF	Textron : New Orleans, LA	30.712	5.050	Apr 2018	0.000		0.000		-		0.000	0.000	35.762	-
Test & Trng Craft Government Furnished Equipment (GFE)	Various	Various : Various	0.260	0.000		0.000		0.000		-		0.000	0.000	0.260	-
Test & Trng Craft Change Orders	C/FPIF	Textron : New Orleans, LA	7.822	0.000		0.000		0.000		-		0.000	0.000	7.822	-
Prior Year - PE 0604567N	Various	Not Specified : Not Specified	272.356	0.000		0.000		0.000		-		0.000	0.000	272.356	-
Test & Trng Craft Detail Design/Construction	C/FPIF	NSWC/PCD : Panama City, FL	0.000	0.000		0.000		2.858	Jan 2020	-		2.858	5.183	8.041	-
Subtotal			314.954	5.050		0.000		2.858		-		2.858	5.183	328.045	N/A

Remarks

Change Order total is \$13.069. \$5.776 is prior to FY15 and is included in Prior Year PE 0604567N total of \$272.356. Funding prior to FY15 for GFE, BASIC, and Other are also included in Prior Year PE 0604567N total of \$272.356

Support (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test & Trng Craft Studies and Analysis	Various	Various : Various	0.322	0.835	Apr 2018	0.338	May 2019	0.000		-		0.000	0.000	1.495	-
Test & Trng Craft Integrated Logistics Support	WR	NSWC : Various	3.908	0.000		0.000		0.000		-		0.000	0.000	3.908	-
T&T Post Delivery/ Outfitting	Various	SupShip Gulf Coast/ Textron : Various	0.375	3.625	May 2019	0.000		0.000		-		0.000	0.000	4.000	-
Prior Year - PE 0604567N	Various	Not Specified : Not Specified	6.149	0.000		0.000		0.000		-		0.000	0.000	6.149	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Navy												Date: March 2019			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)				Project (Number/Name) 3137 / SSC Construction					
Support (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			10.754	4.460		0.338		0.000		-		0.000	0.000	15.552	N/A
Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test & Trng Craft Construction Test Program	Various	Various : Various	1.578	3.154	Apr 2018	0.000		0.000		-		0.000	0.000	4.732	-
Prior Year - PE 0604567N	Various	Not Specified : Not Specified	2.268	0.000		0.000		0.000		-		0.000	0.000	2.268	-
Subtotal			3.846	3.154		0.000		0.000		-		0.000	0.000	7.000	N/A
Management Services (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test & Trng Craft Contractor Engineering Support	C/CPFF	CSC/Alion : Washington, DC	2.891	0.000		0.000		0.000		-		0.000	0.000	2.891	-
Travel	Various	Various : Various	0.269	0.045	Sep 2018	0.000		0.000		-		0.000	0.000	0.314	-
Test & Trng Craft Government Engineering Support	WR	Various : Various	2.407	0.255	Apr 2018	0.000		0.000		-		0.000	0.000	2.662	-
Prior Year - PE 0604567N	Various	Not Specified : Not Specified	22.788	0.000		0.000		0.000		-		0.000	0.000	22.788	-
Subtotal			28.355	0.300		0.000		0.000		-		0.000	0.000	28.655	N/A
			Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			357.909	12.964		0.338		2.858		-		2.858	5.183	379.252	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Navy							Date: March 2019			
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)			Project (Number/Name) 3137 / SSC Construction			
	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Navy

Date: March 2019

Appropriation/Budget Activity

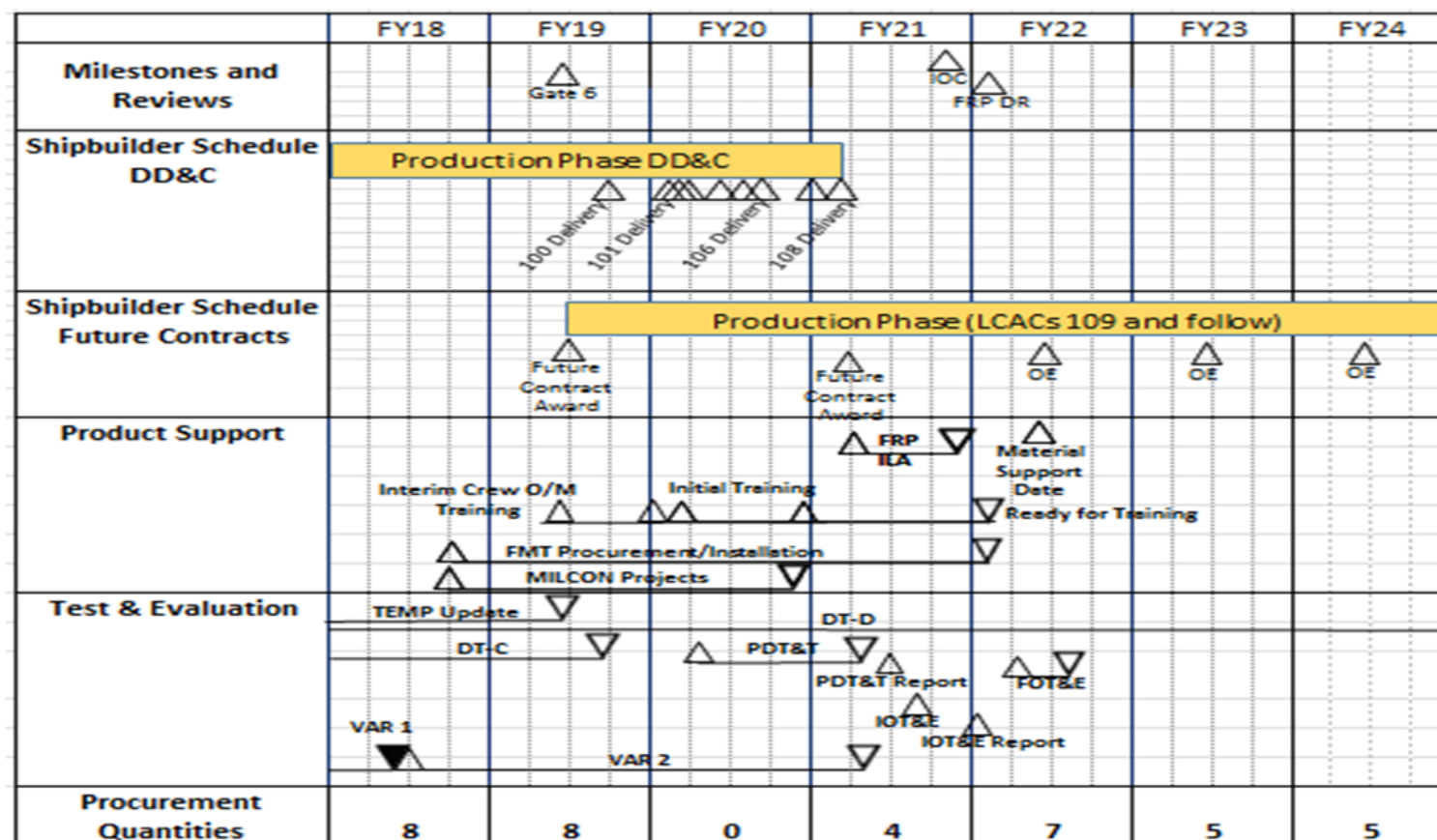
1319 / 5

R-1 Program Element (Number/Name)

PE 0605220N / (U)Ship to Shore Connector (SSC)

Project (Number/Name)

3137 / SSC Construction



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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Navy			Date: March 2019
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)	Project (Number/Name) 3137 / SSC Construction	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3137				
LCAC 100 - Test and Training Craft Delivery	3	2019	3	2019
Post Delivery Test and Trials (PDT&T)	2	2020	2	2021
Craft 100 Sustainment	2	2021	4	2021

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy										Date: March 2019		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)				Project (Number/Name) 9999 / Congressional Adds			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	0.000	9.651	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	9.651
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification
Funds for expanded use of composites on SSC Program.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2018	FY 2019
<i>Congressional Add:</i> Composites Research	9.651	0.000
<i>FY 2018 Accomplishments:</i> Initiate detail design and fabrication of SSC composite components.		
<i>FY 2019 Plans:</i> Continue fabrication and testing of SSC composite components.		
Congressional Adds Subtotals	9.651	0.000

C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020 Base</u>	<u>FY 2020 OCO</u>	<u>FY 2020 Total</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• RDTEN 0605220N C410: <i>Composite Research</i>	9.651	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	9.651

Remarks

D. Acquisition Strategy
N/A

E. Performance Metrics
Successful prototype testing of SSC composite components.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Navy													Date: March 2019		
Appropriation/Budget Activity 1319 / 5							R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)				Project (Number/Name) 9999 / Congressional Adds				

Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	Various	NAWC AD : LAKEHURST	0.000	2.000	Mar 2019	0.000		0.000		-		0.000	0.000	2.000	-
Low Rate Initial Production and Techniques Development	Various	NSWC PCD : VARIOUS	0.000	7.400	Mar 2019	0.000		0.000		-		0.000	0.000	7.400	-
Development of Composite Repair Procedure and Techniques for Field Repair	Various	NAWC AD : LAKEHURST	0.000	0.251	Oct 2018	0.000		0.000		-		0.000	0.000	0.251	-
Subtotal			0.000	9.651		0.000		0.000		-		0.000	0.000	9.651	N/A

	Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	9.651		0.000		0.000		-		0.000	0.000	9.651	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Navy

Date: March 2019

Appropriation/Budget Activity

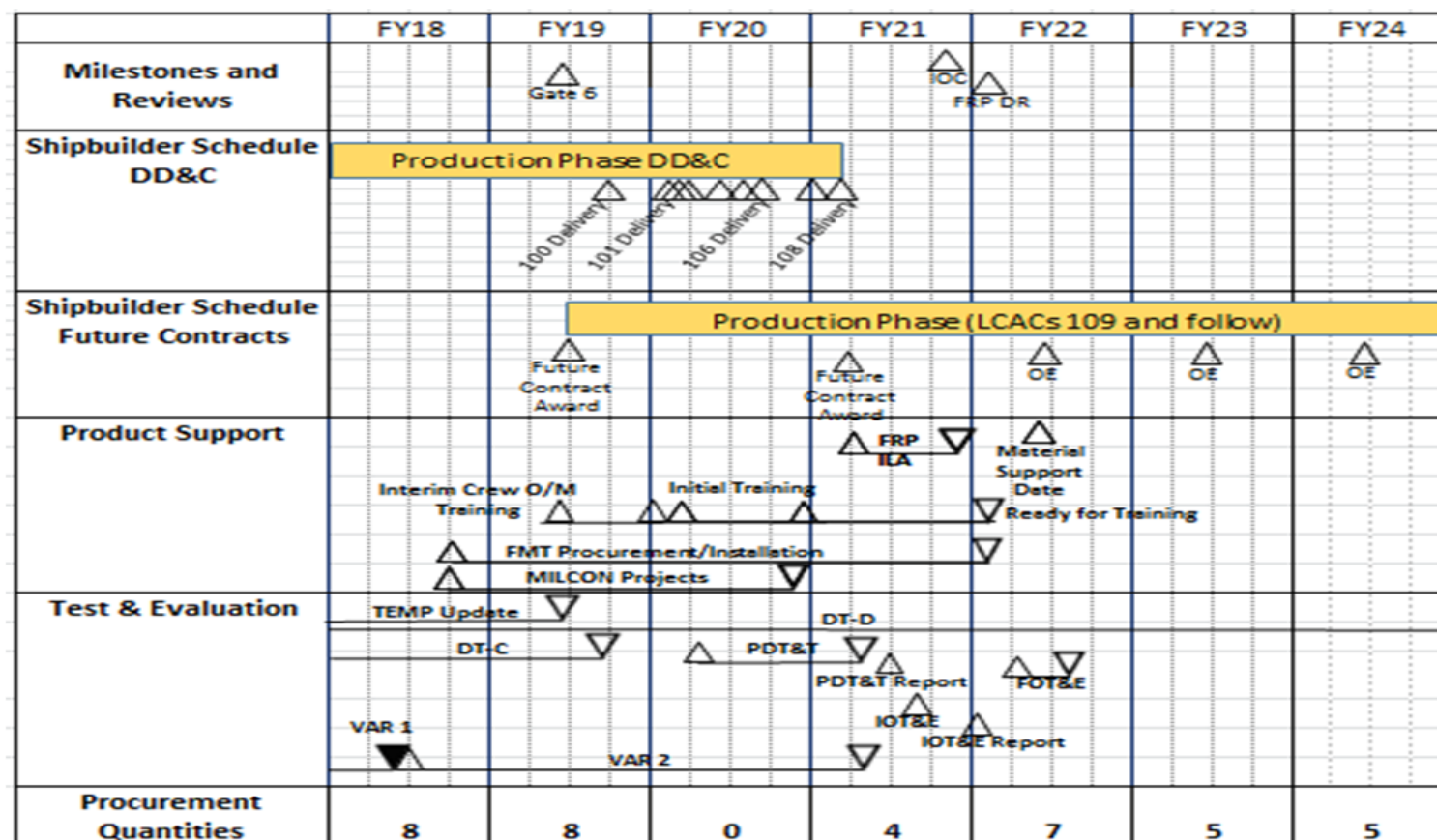
1319 / 5

R-1 Program Element (Number/Name)

PE 0605220N / (U)Ship to Shore Connector (SSC)

Project (Number/Name)

9999 / Congressional Adds



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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605220N / (U)Ship to Shore Connector (SSC)	Project (Number/Name) 9999 / Congressional Adds

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 9999				
Proj C410 Congressional Add: Developmental Test and Evaluation	4	2018	2	2019
Proj C410 Congressional Add: Low Rate Initial Production and Techniques Development	1	2019	2	2020
Proj C410 Congressional Add: Development of Composite Repair Procedure and Techniques for Field Repair	1	2019	4	2020