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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603239N / (U)NAVAL CONSTRUCTION FORCES
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	7.522	1.699	7.821	7.866	-	7.866	7.563	6.933	6.787	6.856	Continuing	Continuing
3444: <i>Airfield/Port Damage Repair</i>	7.522	1.699	7.821	7.866	-	7.866	7.563	6.933	6.787	6.856	Continuing	Continuing

A. Mission Description and Budget Item Justification

Project 3444 directly supports Joint Force resiliency in accordance with the National Defense Strategy (NDS) of 2022, A Design for Maintaining Maritime Superiority 2.0, and the NAVFAC Strategic Design 2.0 Guidance. Investment in EABO technologies enables Naval Construction Force (NCF) capability modernization and adaption for Naval Integration. These technologies enable capabilities such as Expeditionary Rapid Airfield Damage Repair (ExRADR), Expeditionary Port Damage Repair and Opening (ExpDRO), Advanced Naval Base Construction (ANB), Expeditionary Ordnance Re-load (ExOR), Expeditionary Fuel Distribution (ExFUEL), and Expeditionary Force Sustainment in a littoral environment. New warfighting concepts and Marine Corps organizational changes will necessitate future changes to NCF capabilities, organization, and table of allowance material. Further, mobile infrastructure capabilities are envisioned to supplement these vulnerable fixed airfield and port infrastructure assets. This program provides for investment in technologies, materials, and process solutions to improve logistics resiliency and enhance Expeditionary Navy performance in the following portfolio areas; ExRADR, ExpDRO, ANB Construction, and Advanced Manufacturing (AdvM). Project 3444 sub-project titles have been updated to align with respective NCF doctrinal reference titles as follows; airfield damage repair (ADR) is now expeditionary rapid airfield damage repair (ExRADR), port damage repair (PDR) is now expeditionary port damage repair and opening (ExpDRO), expeditionary engineering materials and equipment (EEME) is now advanced naval base (ANB) construction. Oversight, Test and Evaluation coordination effort previously conducted under the expeditionary advance base operations (EABO) sub-project has been re-aligned under the remaining sub-projects. The AdvM portfolio area has been aligned under Project 3444 beginning in FY24, complementary efforts funded under RDTE,N PE/Project 0204413N/2477.

Investments that facilitate ExRADR include; saltwater concrete, full-depth reclamation, autonomous airfield inspection and survey, and test and evaluation of Joint Capability Technology Demonstration (JCTD) products. Additional investments that facilitate ExpDRO include; expeditionary dredge research, expedient pier assessment and repair, quay wall repair technologies, expeditionary mooring and fendering systems, port assessment sensor integration of survey data for real time operational decisions, integration of metadata for 3D virtual assessments, and a floating work platform family of systems (FoS) in configurations to support dredging, pile driving, and waterfront construction. Innovative AdvM capabilities will address the operational and logistic deficiencies associated with obtaining repair parts and producing EOD training aids during distributed maritime operations (DMO) along with other predicted readiness and expeditionary operational challenges. The Expeditionary Navy will gain the capability to print parts, material, and structures in austere environments at remote sites with limited external logistical support to augment the existing supply system, and to bridge gaps and shortfalls keeping personnel and equipment actively engaged in mission execution. This effort will develop and assess technologies for Organizational-Level Maintenance (OM) usage; develop and assess modified COTS and GOTS AdvM equipment, techniques, and procedures for Intermediate-Level Maintenance (IM) usage to mitigate logistics gaps during operational events within the Expeditionary Navy. Development includes evaluation and modification of the Expeditionary Fabrication (EXFAB) concept to meet expeditionary warfighter requirements as detailed in the NECE Advanced Manufacturing Analysis of Alternatives.

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Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603239N I (U)NAVAL CONSTRUCTION FORCES
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Development of ANB Construction materials and equipment will maximize agility and resiliency while minimizing supply chain risk. These technologies will enable in-the-field production of parts (including original and spare parts for expeditionary equipment) and in-situ fabrication of expeditionary structures. This includes production equipment (such as advanced manufacturing systems), raw materials (such as locally sourced construction materials), inspection and quality certification equipment, as well as support methods and criteria to employ these systems in the expeditionary environment. New concepts for expeditionary engineering equipment technologies enhance expeditionary engineering operations, to include site identification, selection, and planning; site clearing and preparation; construction activities; site operations support (including local material handling, damage repair, etc.); and site deconstruction and retrograde activities. Technologies demonstrated will provide required engineer support capability while maximizing the ability to deploy (by minimizing size and weight) and enhancing operator safety (by providing direct operator protection or allowing for remote or autonomous operation).

The results of these efforts will enhance Navy force response plans, and Joint Force Commander's flexibility to deploy and employ from expeditionary airfields, as well as deliver and sustain warfighting capabilities at the point of effect. This includes "right size, just-in-time" technologies that can facilitate both conventional and autonomous rapid assessment, repair, and re-constitution of expeditionary airfields. These efforts to develop technologies supporting NCF's ExPDRO capabilities include just-in-time assessment and rapid repair of piers, quay-walls, fleet moorings, critical expeditionary waterfront facilities and infrastructure, and port facilities above, at, and below the waterline to enable the reviving, re-armament, repair, re-fueling, re-calibration and re-constitution of fleet platforms at Sea Ports of Debarkation (SPODs) available during Major Combat Operations (MCO). FYDP effort involves transitioning these capabilities into a program of record within an existing Table of Allowance (TOA) and Supports NDS requirements of Resilient and Agile Logistics and supplements the Navy's ExRADR Program of DMO 38-Operational Logistics allowing dynamic operational maneuverability with both fixed and mobile logistics.

B. Program Change Summary (\$ in Millions)	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>
Previous President's Budget	1.706	7.821	7.640	-	7.640
Current President's Budget	1.699	7.821	7.866	-	7.866
Total Adjustments	-0.007	0.000	0.226	-	0.226
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.007	0.000			
• Program Adjustments	0.000	0.000	0.200	-	0.200
• Rate/Misc Adjustments	0.000	0.000	0.026	-	0.026

Change Summary Explanation

Increase is a result of the need to mitigate deficiencies identified in the ANB Construction capability set and sub-project efforts.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy										Date: March 2024		
Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0603239N / (U)NAVAL CONSTRUCTION FORCES				Project (Number/Name) 3444 / Airfield/Port Damage Repair			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
3444: Airfield/Port Damage Repair	7.522	1.699	7.821	7.866	-	7.866	7.563	6.933	6.787	6.856	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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Investments that facilitate ExRADR include; saltwater concrete, full-depth reclamation, autonomous airfield inspection and survey, and test and evaluation of Joint Capability Technology Demonstration (JCTD) products. Additional investments that facilitate ExpDRO include; expeditionary dredge research, expedient pier assessment and repair, quay wall repair technologies, expeditionary mooring and fendering systems, port assessment sensor integration of survey data for real time operational decisions, integration of metadata for 3D virtual assessments, and a floating work platform family of systems (FoS) in configurations to support dredging, pile driving, and waterfront construction. Innovative AdvM capabilities will address the operational and logistic deficiencies associated with obtaining repair parts and producing EOD training aids during distributed maritime operations (DMO) along with other predicted readiness and expeditionary operational challenges. The Expeditionary Navy will gain the capability to print parts, material, and structures in austere environments at remote sites with limited external logistical support to augment the existing supply system, and to bridge gaps and shortfalls keeping personnel and equipment actively engaged in mission execution. This effort will develop and assess technologies for Organizational-Level Maintenance (OM) usage; develop and assess modified COTS and GOTS AdvM equipment, techniques, and procedures for Intermediate-Level Maintenance (IM) usage to mitigate logistics gaps during operational events within the Expeditionary Navy. Development includes evaluation and modification of the Expeditionary Fabrication (EXFAB) concept to meet expeditionary warfighter requirements as detailed in the NECE Advanced Manufacturing Analysis of Alternatives.

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Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603239N / (U)NAVAL CONSTRUCTIO N FORCES	Project (Number/Name) 3444 / Airfield/Port Damage Repair
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Development of ANB Construction materials and equipment will maximize agility and resiliency while minimizing supply chain risk. These technologies will enable in-the-field production of parts (including original and spare parts for expeditionary equipment) and in-situ fabrication of expeditionary structures. This includes production equipment (such as advanced manufacturing systems), raw materials (such as locally sourced construction materials), inspection and quality certification equipment, as well as support methods and criteria to employ these systems in the expeditionary environment. New concepts for expeditionary engineering equipment technologies enhance expeditionary engineering operations, to include site identification, selection, and planning; site clearing and preparation; construction activities; site operations support (including local material handling, damage repair, etc.); and site deconstruction and retrograde activities. Technologies demonstrated will provide required engineer support capability while maximizing the ability to deploy (by minimizing size and weight) and enhancing operator safety (by providing direct operator protection or allowing for remote or autonomous operation).

The results of these efforts will enhance Navy force response plans, and Joint Force Commander's flexibility to deploy and employ from expeditionary airfields, as well as deliver and sustain warfighting capabilities at the point of effect. This includes "right size, just-in-time" technologies that can facilitate both conventional and autonomous rapid assessment, repair, and re-constitution of expeditionary airfields. These efforts to develop technologies supporting NCF's ExpDRO capabilities include just-in-time assessment and rapid repair of piers, quay- walls, fleet moorings, critical expeditionary waterfront facilities and infrastructure, and port facilities above, at, and below the waterline to enable the reviving, re-armament, repair, re- fueling, re-calibration and re-constitution of fleet platforms at Sea Ports of Debarkation (SPODs) available during Major Combat Operations (MCO). FYDP effort involves transitioning these capabilities into a program of record within an existing Table of Allowance (TOA) and Supports NDS requirements of Resilient and Agile Logistics and supplements the Navy's ExRADR Program of DMO 38-Operational Logistics allowing dynamic operational maneuverability with both fixed and mobile logistics.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Expeditionary Rapid Airfield Damage Repair (ExRADR)	0.330	1.036	0.839	0.000	0.839
Articles:	-	-	-	-	-
FY 2024 Plans:					
-Provide for transition of airfield damage repair methods and civil engineering support equipment (CESE) into capability sets for the Naval Construction Forces Expeditionary Rapid Airfield Damage Repair (NCF ExRADR) table of allowance (TOA) and unified facilities criteria (UFC).					
-Conduct risk reduction efforts which prepare technology for integration into the table of allowance.					
-Conduct and Support Developmental Testing and Operational Testing (DT/OT) of material solutions identified in the NCF ADR Analysis of Alternatives (AoA).					
-Full-depth Reclamation: effort culminates with data consolidation and analysis from the full-scale test section testing. Final full-depth reclamation process criteria is then developed and readied for transition into Tri-service pavements working group supplemental criteria or unified facilities criteria (UFC).					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>-AoA Technical Gap: effort culminates with the final transition of crater damage repair methods and equipment into capability sets for the Naval Construction Forces Expeditionary Rapid Airfield Damage Repair (NCF ExRADR) table of allowance (TOA) and unified facilities criteria (UFC).</p> <p>-Initiate selected ADR projects utilizing organic resources, other DoD labs and facilities, academia, and appropriate commercial resources. \$100k realigned from previous EABO sub-project accounting for management of the ExRADR sub-project efforts.</p> <p>FY 2025 Base Plans:</p> <p>-Continue to transition airfield damage repair methods and civil engineering support equipment (CESE) into capability sets for the Naval Construction Forces Expeditionary Rapid Airfield Damage Repair (NCF ExRADR) table of allowance (TOA) and unified facilities criteria (UFC).</p> <p>-Continue risk reduction efforts which prepare technology for integration into the table of allowance</p> <p>-Continue Developmental Testing and Operational Testing (DT/OT) of material solutions identified in the NCF ADR Analysis of Alternatives (AoA)</p> <p>FY 2025 OCO Plans:</p> <p>N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement:</p> <p>Decrease of \$0.197M resulting from completion of efforts related to the applicability of crater repair methods under P-8A aircraft traffic.</p>					
<p>Title: Expeditionary Port Damage Repair and Opening (ExpDRO)</p> <p align="right">Articles:</p>	1.069	3.747	3.754	0.000	3.754
<p>FY 2024 Plans:</p> <p>- Provide for transition of port damage repair methods and civil engineering support equipment (CESE) into capability sets for the Naval Construction Forces Expeditionary Port Damage Repair and Opening (NCF ExpDRO) table of allowance (TOA) and unified facilities criteria (UFC).</p> <p>-Conduct risk reduction efforts which prepare technology for integration into the table of allowance.</p>	-	-	-	-	-

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>-Conduct and Support Developmental Testing and Operational Testing (DT/OT) of material solutions identified in the NCF Port Damage Repair (PDR) AoA.</p> <p>- AoA Technical Gap: effort continues with the initiation of selected project proposals. Specific projects include expedient port assessment and analysis tools, e.g. magnetic sensor technology identified to improve the current LIDAR capability which is limited to Level One (superficial) assessments, real-time engineering assessment methodologies that support expeditionary timelines, and additional repair technologies for PDR necessary to meet expedient PDR timeline requirements.</p> <p>-Expedient Construction Barge: effort begins with the identification of modular construction barge platforms/ systems, evaluation of alternatives, procurement of prototype platforms, and limited user evaluation of prototype systems in an expeditionary environment.</p> <p>-PDR Technology Test and Evaluation: effort begins with the development of PDR test and evaluation master plan (TEMP) to include development of Critical Operational Issues (COIs), Measures of Effectiveness (MOEs), Measures of Suitability (MOSs), and Measures of Performance (MOPs). The TEMP will be used to evaluate capability set alterations, improvements, and progress towards meeting required operational capability (ROC) in the projected operational environment (POE).</p> <p>-Expedient Pier Assessment and Repair: effort continues with additional full-scale destructive testing of PIER JCTD class IV materials and components to validate working load limits and ability to meet pier side logistics/seaport-of- debarkation offload requirements. Logistics support and provisioning of components is also completed and transitioned to the program for ongoing support.</p> <p>-Initiate selected PDR projects utilizing organic resources, other DoD labs and facilities, academia, and appropriate commercial resources. \$100k realigned from previous EABO sub-project accounting for management of the ExPDRO sub-project efforts.</p> <p>FY 2025 Base Plans:</p> <p>- Continue to transition port damage repair methods and civil engineering support equipment (CESE) into capability sets for the Naval Construction Forces Expeditionary Port Damage Repair and Opening (NCF ExPDRO) table of allowance (TOA) and unified facilities criteria (UFC).</p>					

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603239N / (U)NAVAL CONSTRUCTIO N FORCES	Project (Number/Name) 3444 / Airfield/Port Damage Repair

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>- Continue risk reduction efforts which prepare technology for integration into the table of allowance</p> <p>- Continue Developmental Testing and Operational Testing (DT/OT) of material solutions identified in the NCF PDR Analysis of Alternatives (AoA)</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: No significant changes from FY24 to FY25.</p>					
<p>Title: Advanced Naval Base (ANB) Construction</p> <p align="right">Articles:</p> <p>FY 2024 Plans:</p> <p>- Provide for transition of Advanced Naval Base Construction methods and civil engineering support equipment (CESE) into capability sets for the Naval Construction Forces Advanced Naval Base (ANB) Construction table of allowance (TOA) and unified facilities criteria (UFC).</p> <p>-Conduct risk reduction efforts which prepare technology for integration into the table of allowance.</p> <p>- Conduct and Support Developmental Testing and Operational Testing (DT/OT)</p> <p>-Autonomous Construction Equipment: effort begins with the identification of relevant commercial remote/ autonomous construction equipment, e.g. excavators, compact track loaders, bulldozers, scrapers, graders; evaluation of alternative systems and assessment of technology readiness levels necessary for integration into the ADR and PDR capability sets. Autonomous construction equipment is a potential force multiplier necessary to mitigate current NCF active/reserve component manpower trends.</p> <p>-Initiate selected ANB projects utilizing organic resources, other DoD labs and facilities, academia, and appropriate commercial resources. \$106k realigned from previous EABO sub-project accounting for management of the ANB sub-project efforts.</p> <p>FY 2025 Base Plans:</p>	0.300	0.632	0.760	0.000	0.760
	-	-	-	-	-

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Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603239N / (U)NAVAL CONSTRUCTIO N FORCES	Project (Number/Name) 3444 / Airfield/Port Damage Repair

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<ul style="list-style-type: none"> - Continue to transition Advanced Naval Base Construction methods and civil engineering support equipment (CESE) into capability sets for the Naval Construction Forces Advanced Naval Base (ANB) Construction table of allowance (TOA) and unified facilities criteria (UFC). - Continue risk reduction efforts which prepare technology for integration into the table of allowance - Continue Developmental Testing and Operational Testing (DT/OT) <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Increase of \$0.128M provided to accomplish testing of selected COTS technologies in an expeditionary ANB environment.</p>					
<p>Title: Advanced Manufacturing (AdvM)</p> <p align="right">Articles:</p> <p>FY 2024 Plans:</p> <ul style="list-style-type: none"> - Develop and assess modified COTS and GOTS AdvM equipment, techniques, and procedures for NECF maintenance usage to mitigate logistics gaps during military operations within the Expeditionary Navy. - Intermediate-Level Maintenance System: effort begins with a solicitation of proposals for the mitigation of identified I-Level maintenance capability gaps and down selection of proposals to produce a prototype in Year 2 informed by operational risk assessments. <p>FY 2025 Base Plans:</p> <ul style="list-style-type: none"> - Continue to develop and assess modified COTS and GOTS AdvM equipment, techniques, and procedures for NECF maintenance usage to mitigate logistics gaps during operational events within the Expeditionary Navy. - Intermediate-Level Maintenance System: develop prototype I-Level maintenance capability from Year 1 I-Level maintenance capability gap analytics and prepare for operational risk reduction assessments. <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement:</p>	0.000 -	2.406 -	2.513 -	0.000 -	2.513 -

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603239N / (U)NAVAL CONSTRUCTIO N FORCES	Project (Number/Name) 3444 / Airfield/Port Damage Repair

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Increase of \$0.107M in accordance with planned program milestones and development of AdvM capabilities					
Accomplishments/Planned Programs Subtotals	1.699	7.821	7.866	0.000	7.866

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

N/A

Remarks

D. Acquisition Strategy

Analysis of Alternatives (AoA) studies and or alternative system reviews (ASRs) are always conducted prior to the initiation of new sub-projects. The AoA/ASR processes address and emphasize acquisition strategies of the most cost-effective solution over the sub-projects life-cycle. The acquisition strategies observe the following hierarchy of alternatives: commercial item (including modification), non-developmental item (including modification), and lastly, developmental programs. Maximum use of innovative contracting mechanisms will be assessed and pursued where applicable and in the best interest of the Navy. The Projects identified in this budget are carefully selected to respond to resiliency considerations of evolving and aging airfields, ports, expeditionary operations, and to facilitate rational risk-based decisions and solutions to protect and decrease risk levels for Department of the Navy-critical expeditionary waterfront facilities and infrastructure. The results of these projects will be the development of design and construction criteria and/or components that directly influence Navy-critical expeditionary and waterfront facilities and infrastructure.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603239N / (U)NAVAL CONSTRUCTIO N FORCES	Project (Number/Name) 3444 / Airfield/Port Damage Repair
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Airfield Damage Repair	Various	NAVFAC EXWC : Pt Hueneme, CA	1.501	0.330	Dec 2022	0.936	Jan 2024	0.739	Jan 2025	-		0.739	Continuing	Continuing	Continuing
Port Damage Repair	Various	Various : Various	5.246	1.069	Dec 2022	3.647	Jan 2024	3.654	Jan 2025	-		3.654	Continuing	Continuing	Continuing
Advanced Naval Base Construction	Various	Various : Various	0.000	0.300	Dec 2022	0.526	Jan 2024	0.640	Feb 2025	-		0.640	Continuing	Continuing	Continuing
Advanced Manufacturing	Various	Various : Various	0.000	0.000		2.406	Feb 2024	2.513	Feb 2025	-		2.513	Continuing	Continuing	Continuing
Prior Years, Not funded FYDP	Various	NAVFAC EXWC : Pt Hueneme, CA	0.775	0.000		0.000		0.000		-		0.000	0.000	0.775	-
Subtotal			7.522	1.699		7.515		7.546		-		7.546	Continuing	Continuing	N/A

Remarks
The increase of \$0.031M is a result of planned program requirements and sub-project development under project 3444.

Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Oversight	WR	NAVFAC EXWC : Pt Hueneme, CA	0.000	0.000		0.306	Dec 2023	0.320	Dec 2024	-		0.320	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.306		0.320		-		0.320	Continuing	Continuing	N/A

Remarks
The increase of \$0.014M is a result of increased labor costs and program portfolio management requirements for project 3444.

Project Cost Totals	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
	7.522	1.699	7.821	7.866	-	7.866	Continuing	Continuing	N/A

Remarks
Overall total increase of \$0.045M, derived from the increase of \$0.031M in Product Development and the increase of \$0.014M for Management Services.

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
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FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Expeditionary Rapid Airfield Damage Repair (ExRADR) Group

ExRADR Capability Set Technology Transition	
ExRADR Developmental Testing and Operational Testing	

Expeditionary Port Damage Repair and Opening (ExPDRO) Group

ExPDRO Capability Set Technology Transition	
ExPDRO Developmental Testing and Operational Testing	

Advanced Naval Base (ANB) Construction Group

ANB Construction Capability Set Technology Transition	
ANB Construction Developmental Testing and Operational Testing	

Advanced Manufacturing (AdvM) Group

Analysis of Alternatives - Organization Level Maintenance Technical Gap	
Analysis of Alternatives - Intermediate Level Maintenance Technical Gap	

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Expeditionary Rapid Airfield Damage Repair (ExRADR) Group</i>				
ExRADR Capability Set Technology Transition	1	2023	4	2027
ExRADR Developmental Testing and Operational Testing	1	2023	4	2029
<i>Expeditionary Port Damage Repair and Opening (ExPDRO) Group</i>				
ExPDRO Capability Set Technology Transition	1	2023	4	2027
ExPDRO Developmental Testing and Operational Testing	1	2023	4	2029
<i>Advanced Naval Base (ANB) Construction Group</i>				
ANB Construction Capability Set Technology Transition	2	2023	4	2029
ANB Construction Developmental Testing and Operational Testing	2	2025	4	2029
<i>Advanced Manufacturing (AdvM) Group</i>				
Analysis of Alternatives - Organization Level Maintenance Technical Gap	1	2024	1	2028
Analysis of Alternatives - Intermediate Level Maintenance Technical Gap	1	2024	1	2028