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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2024 Army **Date:** March 2023

<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	21.424	29.481	30.985	-	30.985	30.320	30.764	14.397	8.990	0.000	166.361
361: <i>Intelligence Simulation Systems</i>	-	5.323	6.934	7.873	-	7.873	7.897	7.863	8.150	8.751	0.000	52.791
362: <i>Jnt Land Component Constructive Trng</i>	-	16.101	22.547	23.112	-	23.112	22.423	22.901	6.247	0.239	0.000	113.570

**A. Mission Description and Budget Item Justification**

This Program Element funds the development of constructive and wargame simulations used to realistically train commanders and their battle staffs on today's complex battlefield conditions.

Project 361, Intelligence Simulation Systems, funds the development of the Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT). IEWTPT is a Non-System Training Device (NSTD) which supports home-station training by simulating and stimulating Military Intelligence (MI) organic or surrogate equipment. It enables sustainment of critical individual and collective MI tasks/skills and is the core of the U.S. Army Intelligence Center of Excellence (USAICoE) Military Intelligence (MI) holistic training strategy supporting mission command, targeting, and MI Soldier readiness. IEWTPT provides a realistic simulation intelligence target environment for multi-intelligence disciplines such as All Source Analysis, Signals Intelligence (SIGINT), Imagery Intelligence (IMINT), Human Intelligence (HUMINT), Geospatial Intelligence (GEOINT) and emerging electronic warfare (EW) systems. IEWTPT provides training for analyst and system operators to exploit intelligence data during training, just as they would in "Real World" operations. The IEWTPT Technical Control Cell (TCC) is composed of two components: the Lower Enclave (LE) which supports exercise planning and development and drives the All Source and GEOINT (and emerging EW) training tasks and the Upper Enclave (UE) which supports all SIGINT related training and operates at the Top Secret / Sensitive Compartmented Information (TS/SCI) classification level.

Project 362, Joint Land Component Constructive Training Capability (JLCCTC) supports Army Title X training worldwide for Army Commanders and their staff at Mission Training Complexes (MTCs), Training and Doctrine Command (TRADOC) facilities, and other customer locations. JLCCTC trains Commanders and their staff in Decisive Actions to include offensive, defensive, stability, and civil support operations. JLCCTC is a software modeling and simulation capability that contributes to Army Training Mission Area by providing appropriate levels of modeling and simulation resolution and fidelity to support unit collective and combined arms training. JLCCTC provides a composable federation configurable to any combination of models and simulations, as required by training exercise intent/design. JLCCTC provides accurate representations of tactically and operationally relevant land warfare operations executed in a contemporary Joint operating environment/context and in support of Army Training and Readiness.

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification: PB 2024 Army</b>					<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 5: System Development &amp; Demonstration (SDD)</i>		<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>			
<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Previous President's Budget	22.240	29.570	30.848	-	30.848
Current President's Budget	21.424	29.481	30.985	-	30.985
Total Adjustments	-0.816	-0.089	0.137	-	0.137
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.816	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	0.137	-	0.137
• FFRDC Transfer	-	-0.089	-	-	-
<b>Change Summary Explanation</b>					
Increased funding due to revised economic assumptions.					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>				<b>Project (Number/Name)</b> 361 / <i>Intelligence Simulation Systems</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
361: <i>Intelligence Simulation Systems</i>	-	5.323	6.934	7.873	-	7.873	7.897	7.863	8.150	8.751	0.000	52.791
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

Project 361 funds the development, integration and testing of the Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT). IEWTPT is a Non-System Training Device (NSTD) which supports home-station training by simulating and stimulating Military Intelligence (MI) and Electronic Warfare (EW) organic or surrogate equipment. It enables training of critical individual, crew and collective MI tasks/skills and is the core of the U.S. Army Intelligence Center of Excellence (USAICoE) Military Intelligence (MI) holistic training strategy supporting mission command, targeting, and MI/EW Soldier readiness. IEWTPT provides a realistic simulation intelligence target environment for multi-intelligence disciplines such as All Source Analysis, Signals Intelligence (SIGINT), Imagery Intelligence (IMINT), Human Intelligence (HUMINT), Geospatial Intelligence (GEOINT) and emerging EW. IEWTPT provides training for analyst and system operators to exploit intelligence data during training, just as they would in "Real World" operations. The IEWTPT Technical Control Cell (TCC) is composed of two components: the Lower Enclave (LE) which supports exercise planning and development and drives the All Source and GEOINT (and emerging EW) training tasks and the Upper Enclave (UE) which supports all SIGINT related training and operates at the Top Secret / Sensitive Compartmented Information (TS/SCI) classification level.

**B. Accomplishments/Planned Programs (\$ in Millions)**

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> Software Engineering, Development, Integration and Testing	5.323	6.699	7.873
<b>FY 2023 Plans:</b>			
Supports validated requirements for multi-intelligence discipline and electronic warfare individual, crew, and collective training for military intelligence unit certification and Soldier readiness. The Information Systems-Capability Development Document (IS-CDD) sets the conditions for program execution as a software intensive system facilitating rapid and iterative delivery of intelligence training capabilities. Supports priorities of work established by the General Officer led Requirements and Configuration Control Board (RC2B) for development, engineering, integration, and testing. Supports intelligence modernization training development for emerging systems such as the Terrestrial Layer System (TLS) for integrated Signals Intelligence Electronic Warfare (SIGINT/ EW) home-station training. Funding supports training mission analysis and development for the Tactical Intelligence Targeting Access Node (TITAN) multi-domain ground station. Supports cloud ready baseline architecture development for point of need intelligence critical task training and constructive simulation interface. Improves All Source intelligence messaging development and Electronic Warfare Program Management Tool (EWPMT) integration into the Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT) in support of multi-domain capable training requirements. Expands SIGINT scenario development tools for cloud employment, sensor emulation effects, threat systems modeling, and Theater/National level intelligence replication for the simulation/user environment. Will execute development and integration supporting product deliverables needed to meet Intelligence Center of Excellence (ICoE) and Army G2 training and modernization strategies. IEWTPT simulation and stimulation			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>	<b>Project (Number/Name)</b> 361 / <i>Intelligence Simulation Systems</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>capabilities will support integration of test and training systems for Multi Domain Operation (MDO) events and the Regionally Aligned Readiness and Modernization Model (ReARMM).</p> <p><b>FY 2024 Plans:</b> IEWTPT will continue to support Information Systems-Capabilities Development Document (IS-CDD) requirements and simulation interface capabilities for Intelligence, Surveillance, Reconnaissance (ISR) platform system in the PEO Intelligence Electronic Warfare &amp; Sensors (PEO IEW &amp; S) portfolio to support home-station intelligence training for multi-domain operations (MDO). Funding will develop and advance the Army Military Intelligence (MI) cloud-ready baseline for point of need training execution across all components (Active, Guard, Reserve). Funding will improve multi-intelligence and Electronic Warfare (EW) scenario development tools for cloud employment; mature sensor emulation effects; enhance threat modeling capabilities and replicate theater and national level intelligence. The program will deliver multi-intelligence training improvements to the distributed/federated constructive simulation environment, expand the All Source and Signals Intelligence (SIGINT) baselines, and continued detailed electronic warfare key critical task analysis and training development. Funding will expand EW/SIGINT integration to reduce risk for the Terrestrial Layer System (TLS) training strategy and support training mission analysis and development for the Tactical Intelligence Targeting Access Node (TITAN) multi-domain ground station. Expands SIGINT scenario development tools for cloud employment; sensor emulation effects modeling as well as theater and National level intelligence replication for the simulation/user environment. Will execute technology development and integration supporting product deliverables needed to meet Intelligence Center of Excellence (ICoE) and Army G2 training and modernization strategies. IEWTPT simulation and simulation capabilities will support integration of test and training systems for MDO events and the Regionally Aligned Readiness and Modernization Model (ReARMM).</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY2023 to FY2024 funding increase provides the software development environment, processes, automated tools, designs, architectures to rapidly deliver multi-intelligence and EW training software and accounts for minor increase due to economic assumptions.</p>				
<p><b>Title:</b> SBIR/STTR Transfer</p> <p><b>FY 2023 Plans:</b> Funding transferred in accordance with Title 15 USC §638</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC §638</p>		-	0.235	-
<b>Accomplishments/Planned Programs Subtotals</b>		5.323	6.934	7.873

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>	<b>Project (Number/Name)</b> 361 / <i>Intelligence Simulation Systems</i>
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A		
<b>Remarks</b>		
<b>D. Acquisition Strategy</b> The program will leverage the Software Acquisition Pathway (SWP) Execution Phase to release Minimum Viable Products (MVPs) and Minimum Viable Capability Releases (MVCR), at least annually, in support of intelligence modernization priorities. The IEWTPT Increment 2 contract will provide multi-intelligence and electronic warfare training support to the intelligence warfighting function. Funds support development, integration and testing in an agile acquisition environment using active user engagements, value assessments and continuous improvement to meet the Information Systems-Capability Development Document (IS-CDD), Military Intelligence Corps requirements and the Requirements and Configuration Control Board (RC2B) General Officer Steering Committee (GOSC) priorities. FY2024 funding supports home-station training, Military Intelligence/Electronic Warfare Soldier readiness and ensures alignment with Army and Military Intelligence modernization priorities.		

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>	<b>Project (Number/Name)</b> 361 / <i>Intelligence Simulation Systems</i>
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<b>Management Services (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
SBIR/STTR Transfer	TBD	Various : Various	-	-		0.253		-		-		-	0.000	0.253	-
<b>Subtotal</b>			-	-		0.253		-		-		-	0.000	0.253	N/A

<b>Product Development (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Increment 2 Software Eng, Development, Integration and Test Dev Sec Ops Tools/Agile Ready Architect.	C/CPFF	TBD : Orlando, FL	-	5.323	Feb 2022	4.470	Feb 2023	7.873	Feb 2024	-		7.873	Continuing	Continuing	Continuing
Tools/Agile	C/CPFF	TBD : Orlando, Florida	-	-		2.211	May 2023	-		-		-	0.000	2.211	-
<b>Subtotal</b>			-	5.323		6.681		7.873		-		7.873	Continuing	Continuing	N/A

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract	
<b>Project Cost Totals</b>		-	5.323	6.934	7.873	-	7.873	Continuing	Continuing	N/A

**Remarks**  
 3QTR FY 2023 marks the closeout of the Increment 1 Bridge contract period of performance and the transition to the Increment 2 contract and Execution Phase of the software acquisition pathway. The IEWTPT Increment 2 contract is actively proceeding as a full and open competitive acquisition.

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>	<b>Project (Number/Name)</b> 361 / <i>Intelligence Simulation Systems</i>

Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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
Increment 1 Bridge	▲ 1																											
Increment 2 Contract Award																												
Min. Viable Capability Release 2									▲ 2																			
Min. Viable Capability Release 3													▲ 3															
Min. Viable Capability Release 4																	▲ 4											
Min. Viable Capability Release 5																					▲ 5							
Min. Viable Capability Release 6																									▲ 6			

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>	<b>Project (Number/Name)</b> 361 / <i>Intelligence Simulation Systems</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Increment 1 Bridge	2	2022	2	2022
Increment 2 Contract Award	2	2023	2	2028
Min. Viable Capability Release 2	4	2024	4	2024
Min. Viable Capability Release 3	4	2025	4	2025
Min. Viable Capability Release 4	4	2026	4	2026
Min. Viable Capability Release 5	4	2027	4	2027
Min. Viable Capability Release 6	4	2028	4	2028
Min. Viable Capability Release 7	4	2029	4	2029

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>				<b>Project (Number/Name)</b> 362 / <i>Jnt Land Component Constructive Trng</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
362: <i>Jnt Land Component Constructive Trng</i>	-	16.101	22.547	23.112	-	23.112	22.423	22.901	6.247	0.239	0.000	113.570
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

The Joint Land Component Constructive Training Capability (JLCCTC) supports Army Title X training worldwide for Army Commanders and their staff at Mission Training Complexes (MTCs), Training and Doctrine Command (TRADOC) facilities, and other customer locations. JLCCTC trains Commanders and their staff in Decisive Actions to include offensive, defensive, stability, and civil support operations. JLCCTC is a software modeling and simulation capability that contributes to Army Training Mission Area by providing appropriate levels of modeling and simulation resolution and fidelity to support unit collective and combined arms training. JLCCTC provides a composable federation configurable to any combination of models and simulations, as required by training exercise intent/design. JLCCTC provides accurate representations of tactically and operationally relevant land warfare operations executed in a contemporary Joint operating environment/context and in support of Army Training and Readiness.

FY 2024 base funding in the amount of \$23.112 million will be used for the development, integration and test, and verification activities for JLCCTC Version 9.x to train Commanders and their Staff. JLCCTC will continue to support emerging Common Operating Environment / Computing Environment (COE/CE), Mission Command (MC), Cyber Security/Risk Management Framework (RMF), Concurrency warfighter requirements, Synthetic Environment (SE) Core No Fail activities, and One World Terrain (OWT) Data to JLCCTC Runtime Translation Tool development. In addition, JLCCTC will continue to support the integration activities with Live, Virtual, Constructive-Integrated Architecture (LVC-IA), Combat Training Center Instrumentation System (CTC- IS), Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT), and to begin interfacing the Army ground model with the Joint simulation capability.

**B. Accomplishments/Planned Programs (\$ in Millions)**

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> Improve JLCCTC software models to comply with emerging Common Operating Environment (COE)/Computing Environment (CE) requirements.	0.650	0.650	0.650
<b>Description:</b> Improve JLCCTC software models to comply with emerging COE/CE requirements.			
<b>FY 2023 Plans:</b> Will continue improvements of JLCCTC software models to include common overlay development/modifications in support of COE compliance/standards.			
<b>FY 2024 Plans:</b> Will continue improvements of JLCCTC software models to include common overlay development/modifications in support of COE compliance/standards.			
<b>Title:</b> Improve JLCCTC software models to meet emerging Mission Command (MC) stimulation and Cyber Security requirements.	0.800	0.800	0.800

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>	<b>Project (Number/Name)</b> 362 / <i>Jnt Land Component Constructive Trng</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Description:</b> Improve JLCCTC software models to meet emerging Mission Command (MC) stimulation and Risk Management Framework (RMF)/Cyber Security requirements.</p> <p><b>FY 2023 Plans:</b> Continue to evolve JLCCTC to support emerging Mission Command requirements and fully comply with the Cyber Security/Risk Management Framework (RMF) requirement.</p> <p><b>FY 2024 Plans:</b> Continue to evolve JLCCTC to support emerging Mission Command requirements and fully comply with the Cyber Security RMF requirement.</p>				
<p><b>Title:</b> Improve JLCCTC software models to meet emerging warfighter requirements for Concurrency of Commander and staff training (Battalion thru Theater Level).</p> <p><b>Description:</b> Improve JLCCTC software models to meet emerging warfighter requirements for Concurrency of Commander and staff training (Brigade through Theater Level).</p> <p><b>FY 2023 Plans:</b> Continue to evolve JLCCTC software models to support additional emerging requirements in support of Commander and staff warfighter training exercises through Theater level</p> <p><b>FY 2024 Plans:</b> Continue to evolve JLCCTC software models to support additional emerging requirements in support of Commander and staff warfighter training exercises through Theater level</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Minimal increase from FY 2023 to FY 2024 for Recovery of Concurrency Warfighter Requirements.</p>		1.707	6.161	6.428
<p><b>Title:</b> Government System Test and Evaluation for the Joint Land Component Constructive Training Capability (JLCCTC) Program.</p> <p><b>Description:</b> Government System Test and Evaluation for the Joint Land Component Constructive Training Capability (JLCCTC).</p> <p><b>FY 2023 Plans:</b> Continue conducting system test events (Integration and Testing) in support of the JLCCTC v10.0 validation event (VE).</p> <p><b>FY 2024 Plans:</b></p>		1.701	1.750	1.848

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Continue conducting system test events (Integration and Testing) in support of the JLCCTC v9.x validation event (VE). <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Minimal increase from FY 2023 to FY 2024 due to continuing integration and testing in support of JLCCTC v9.x validation events.				
<b>Title:</b> Conduct Army Ground Model Analysis of Alternative <b>FY 2023 Plans:</b> Continue development to interface the Army ground model with the Joint simulation capability. <b>FY 2024 Plans:</b> Continue development to interface the Army ground model with the Joint simulation capability. <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Minimal increase from FY 2023 to FY 2024 for continuing development to interface the Army ground model with the Joint simulation capability.		6.306	6.837	7.760
<b>Title:</b> Constructive Terrain and Tools Development <b>FY 2023 Plans:</b> Continue execution of the SE Core No Fail Activities and development of tools to transform One World Terrain (OWT) data into JLCCTC compliant runtime formats. <b>FY 2024 Plans:</b> Continue execution of the SE Core No Fail Activities and development of tools to transform OWT data into JLCCTC compliant runtime formats. <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Minimal increase in funding from FY 2023 to FY 2024 to continue development of tools to transform OWT data into JLCCTC compliant runtime formats.		4.937	5.526	5.626
<b>Title:</b> SBIR/STTR Transfer <b>FY 2023 Plans:</b> Funding transferred in accordance with Title 15 USC §638 <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC §638		-	0.823	-
<b>Accomplishments/Planned Programs Subtotals</b>		16.101	22.547	23.112

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>	<b>Project (Number/Name)</b> 362 / <i>Jnt Land Component Constructive Trng</i>

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

Line Item	FY 2022	FY 2023	FY 2024	FY 2024	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Cost To	
			Base	OCO	Total					Complete	Total Cost
• NA0103: <i>NSTD</i> <i>COMMAND &amp; CONTROL</i>	37.147	35.470	33.047	-	33.047	32.279	32.717	33.064	35.160	Continuing	Continuing

**Remarks**

**D. Acquisition Strategy**

The JLCCTC contract (with Base contract of 4 years and two-three year options) was awarded to Phoenix Logistics Inc. (PLI) on 17 March 2020.

Activities under the current contract and follow-on contracts include System Engineering, Software Development, Integration and Test, support to validation events and Post Deployment Software Support (PDSS) and Pre-Planned Product Improvements (P3I) support.

JLCCTC produces a major software release/version which is then distributed/fielded to 46 sites worldwide in support of Army Command and Staff Training.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army												Date: March 2023			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
2040 / 5				PE 0604742A / Constructive Simulation Systems Development				362 / Jnt Land Component Constructive Trng							
Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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
SBIR/STTR Transfer	TBD	PEO STRI : Orlando, FL	0.843	-		0.823		-		-		-	0.000	1.666	-
<b>Subtotal</b>			0.843	-		0.823		-		-		-	0.000	1.666	N/A
Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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
Improve JLCCTC to meet emerging warfighter requirements.	C/CPFF	Phoenix Logistics, Inc. : Orlando, FL	14.252	1.707	Dec 2021	6.161	Dec 2022	6.428	Dec 2023	-		6.428	Continuing	Continuing	Continuing
MC Systems Stimulation and Cyber Security	C/CPFF	Phoenix Logistics, Inc. : Orlando, FL	9.132	0.800	Dec 2021	0.800	Dec 2022	0.800	Dec 2023	-		0.800	Continuing	Continuing	Continuing
COE Compliance	C/CPFF	Phoenix Logistics, Inc. : Orlando, FL	6.390	0.650	Dec 2021	0.650	Dec 2022	0.650	Dec 2023	-		0.650	Continuing	Continuing	Continuing
Conduct Army ground Model AoA	C/CPFF	Phoenix Logistics, Inc. : Orlando, FL	1.894	6.306	Dec 2021	6.837	Dec 2022	7.760	Dec 2023	-		7.760	Continuing	Continuing	Continuing
Constructive Terrain and Tools Development	C/CPFF	Phoenix Logistics, Inc. : Orlando, FL	-	4.937	Dec 2021	5.526	Dec 2022	5.626	Dec 2023	-		5.626	Continuing	Continuing	Continuing
<b>Subtotal</b>			31.668	14.400		19.974		21.264		-		21.264	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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
System T&E (I&T, VE, ORE)	Various	Various : Various	28.241	1.701	Dec 2021	1.750	Dec 2022	1.848	Dec 2023	-		1.848	Continuing	Continuing	Continuing
<b>Subtotal</b>			28.241	1.701		1.750		1.848		-		1.848	Continuing	Continuing	N/A



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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>	<b>Project (Number/Name)</b> 362 / <i>Jnt Land Component Constructive Trng</i>

Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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
JLCCTC Version 9.0 System Engr / Develop / I&T / Validation	Version 9.0																											
JLCCTC Version 9.0 Release					1 ▲ JLCCTC V9.0 Release																							
JLCCTC Version 9.x System Engr / Develop / I&T / Validation									Version 9.x																			
JLCCTC Version 9.x Release									2 ▲ JLCCTC V9.x Release																			
JLCCTC Integration into LVC-IA / CTC-IS	LVC-IA Integration																											
JLCCTC Version 9.x 2027 Sys Engr/ Develop/I&T/ Validation													Version 9.x 2027															
JLCCTC Version 9.x 2027 Release																	3 ▲ JLCCTC V9.x 2027 Release											
JLCCTC Transition to Sustainment																					4 ▲ JLCCTC Transition to Sustainment							

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604742A / <i>Constructive Simulation Systems Development</i>	<b>Project (Number/Name)</b> 362 / <i>Jnt Land Component Constructive Trng</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
JLCCTC Version 9.0 System Engr / Develop / I&T / Validation	1	2018	3	2023
JLCCTC Version 9.0 Release	3	2023	3	2023
JLCCTC Version 9.x System Engr / Develop / I&T / Validation	3	2023	3	2024
JLCCTC Version 9.x Release	4	2024	4	2024
JLCCTC Integration into LVC-IA / CTC-IS	1	2014	3	2027
JLCCTC Version 9.x 2027 Sys Engr/ Develop/ I&T/ Validation	3	2024	3	2027
JLCCTC Version 9.x 2027 Release	3	2027	3	2027
JLCCTC Transition to Sustainment	1	2028	1	2028