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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force</i> / BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604015F / <i>Long Range Strike - Bomber</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	-	2,775.581	3,143.584	2,984.143	0.000	2,984.143	2,465.817	2,047.838	1,645.873	1,475.913	0.000	16,538.749
643308: <i>B-21 Development</i>	-	2,775.581	3,143.584	2,742.948	0.000	2,742.948	2,078.798	1,649.200	1,271.809	1,220.600	0.000	14,882.520
644044: <i>B-21 Modernization</i>	-	0.000	0.000	241.195	0.000	241.195	387.019	398.638	374.064	255.313	0.000	1,656.229

A. Mission Description and Budget Item Justification

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. Program overview provided below.

The Long Range Strike - Bomber (B-21 Raider) is crucial to the nuclear modernization plan, forming the backbone of the Nation's future bomber force, providing both conventional and nuclear capability. The B-21 platform provides range, access, and payload to go anywhere needed, with the weapons required to deter and win our nation's wars. Its open system architecture will enable rapid integration of future capabilities, keeping the platform relevant and effective as the threat environment evolves. The Air Force requires a minimum of 100 B-21s as part of the long-term bomber force. The Engineering and Manufacturing Development (EMD) contract was awarded in 2015, followed by a Critical Design Review (CDR) completed in 2018. B-21s will be delivered to operational bases in the mid-2020s.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability.

This effort is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P), because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	2,872.624	3,253.584	2,322.076	0.000	2,322.076
Current President's Budget	2,775.581	3,143.584	2,984.143	0.000	2,984.143
Total Adjustments	-97.043	-110.000	662.067	0.000	662.067
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-110.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-97.043	0.000			
• Other Adjustments	0.000	0.000	662.067	0.000	662.067

UNCLASSIFIED

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604015F / <i>Long Range Strike - Bomber</i>
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Change Summary Explanation

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force										Date: March 2023		
Appropriation/Budget Activity 3600 / 4					R-1 Program Element (Number/Name) PE 0604015F / Long Range Strike - Bomber				Project (Number/Name) 643308 / B-21 Development			
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
643308: B-21 Development	-	2,775.581	3,143.584	2,742.948	0.000	2,742.948	2,078.798	1,649.200	1,271.809	1,220.600	0.000	14,882.520
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. Program overview provided below.

The Long Range Strike - Bomber (B-21 Raider) is crucial to the nuclear modernization plan, forming the backbone of the Nation's future bomber force, providing both conventional and nuclear capability. The B-21 platform provides range, access, and payload to go anywhere needed, with the weapons required to deter and win our nation's wars. Its open system architecture will enable rapid integration of future capabilities, keeping the platform relevant and effective as the threat environment evolves. The Air Force requires a minimum of 100 B-21s as part of the long-term bomber force. The Engineering and Manufacturing Development (EMD) contract was awarded in 2015, followed by a Critical Design Review (CDR) completed in 2018. B-21s will be delivered to operational bases in the mid-2020s.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Long Range Strike Bomber (B-21) Development	2,775.581	3,143.584	2,742.948	0.000	2,742.948
Description: The B-21 Raider will be a dual-capable penetrating strike stealth bomber capable of delivering both conventional and nuclear munitions. Designed to operate in tomorrow's high-end threat environment, the B-21 will play a critical role in ensuring America's enduring airpower capability.					
FY 2023 Plans: Continue test aircraft build and scaling manufacturing infrastructure and capacity across the industrial base. This funding will keep B-21 Raider development on track in support of the program's transition toward low-rate initial production and fielding.					
FY 2024 Base Plans: Continue test aircraft build and scaling manufacturing infrastructure and capacity across the industrial base. This funding will keep B-21 Raider development on track in support of the program's transition toward low-rate initial production and fielding.					
FY 2024 OCO Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force **Date:** March 2023

Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604015F / <i>Long Range Strike - Bomber</i>	Project (Number/Name) 643308 / <i>B-21 Development</i>
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
N/A					
<i>FY 2023 to FY 2024 Increase/Decrease Statement:</i>					
FY 2024 decreased from FY 2023 by 400.636M in support of the programs transition into low rate initial production and fielding. Furthermore, Budget Program Activity Code (BPAC) 644044 was established to distinguish increments and activities outside of the Engineering and Manufacturing Development (EMD) baseline program.					
This program is reported in accordance with Title 10, USC, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.					
Accomplishments/Planned Programs Subtotals	2,775.581	3,143.584	2,742.948	0.000	2,742.948

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• MILCON PE 0604015: <i>Long Range Strike Bomber</i>	364.380	175.900	243.592	-	243.592	171.808	323.415	351.850	358.887	0.000	1,989.832
• OPAF 01 B02100: <i>B-21 Raider</i>	108.027	1,651.596	2,325.093	-	2,325.093	3,925.806	4,597.182	4,332.387	5,653.717	0.000	22,593.808
• OPAF 03 0101110F: <i>N/A (2)</i>	-	5.206	7.020	-	7.020	-	-	-	-	0.000	12.226

Remarks
This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.

D. Acquisition Strategy
The B-21 philosophy to drive success has been to actively manage the program, contract and contractor; to partner with the prime and supply chain for win-win successes; and to aggressively identify and mitigate risk early. The acquisition strategy incentivizes industry partners to achieve cost, schedule and performance objectives.

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

Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604015F / Long Range Strike - Bomber	Project (Number/Name) 643308 / B-21 Development
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Product Development (\$ in Millions)				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			
Actual breakout provided in Special Access Program Annual Report to Congress	Various	Not specified. : CA	-	2,775.581		3,143.584		2,742.948		0.000		2,742.948	Continuing	Continuing	-
Subtotal			-	2,775.581		3,143.584		2,742.948		0.000		2,742.948	Continuing	Continuing	N/A
Project Cost Totals			-	2,775.581		3,143.584		2,742.948		0.000		2,742.948	Continuing	Continuing	N/A

Remarks
 This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Air Force **Date:** March 2023

Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604015F / <i>Long Range Strike - Bomber</i>	Project (Number/Name) 643308 / <i>B-21 Development</i>
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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

<i>Long Range Strike Bomber</i>	
Actual schedule provided in Special Access Program Annual Report to Congress	

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Air Force **Date:** March 2023

Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604015F / <i>Long Range Strike - Bomber</i>	Project (Number/Name) 643308 / <i>B-21 Development</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Long Range Strike Bomber</i>				
Actual schedule provided in Special Access Program Annual Report to Congress	1	2022	4	2028

Note

This program is reported in accordance with Title 10, USC, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force										Date: March 2023		
Appropriation/Budget Activity 3600 / 4					R-1 Program Element (Number/Name) PE 0604015F / Long Range Strike - Bomber				Project (Number/Name) 644044 / B-21 Modernization			
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
644044: B-21 Modernization	-	0.000	0.000	241.195	0.000	241.195	387.019	398.638	374.064	255.313	0.000	1,656.229
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. Program overview provided below.

The Long Range Strike - Bomber (B-21 Raider) is crucial to the nuclear modernization plan, forming the backbone of the Nation's future bomber force, providing both conventional and nuclear capability. The B-21 platform provides range, access, and payload to go anywhere needed, with the weapons required to deter and win our nation's wars. Its open system architecture will enable rapid integration of future capabilities, keeping the platform relevant and effective as the threat environment evolves. The Air Force requires a minimum of 100 B-21s as part of the long-term bomber force. The Engineering and Manufacturing Development (EMD) contract was awarded in 2015, followed by a Critical Design Review (CDR) completed in 2018. B-21s will be delivered to operational bases in the mid-2020s.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Long Range Strike Bomber (B-21) Modernization	-	-	241.195	-	241.195
Description: B-21 Raider will be a dual-capable penetrating strike stealth bomber capable of delivering both conventional and nuclear munitions. Designed to operate in tomorrow's high-end threat environment, the B-21 will play a critical role in ensuring America's enduring airpower capability.					
FY 2024 Base Plans: FY 2024 includes funding for the continuation of modernization studies/ technical risk reduction activities. In addition, modernization activities will be supported, which includes but is not limited to, LRSO integration, modernization infrastructure support, development of enhanced technologies, incorporating modifications as required and nuclear certification.					
FY 2023 to FY 2024 Increase/Decrease Statement: FY 2024 Modernization Budget Program Activity Code (BPAC) 644044 established to distinguish increments and activities outside of the baseline Engineering and Manufacturing Development (EMD) program.					
Accomplishments/Planned Programs Subtotals	-	-	241.195	-	241.195

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force	Date: March 2023
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Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604015F / <i>Long Range Strike - Bomber</i>	Project (Number/Name) 644044 / <i>B-21 Modernization</i>
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C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u> <u>Base</u>	<u>FY 2024</u> <u>OCO</u>	<u>FY 2024</u> <u>Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• MILCON 0604015: <i>Long Range Strike Bomber</i>	364.380	175.900	243.592	-	243.592	171.808	323.415	351.850	358.887	Continuing	Continuing
• APAF 01 B02100: <i>B-21 Raider</i>	108.027	1,651.596	2,325.093	-	2,325.093	3,925.806	4,597.182	4,332.387	5,653.717	Continuing	Continuing
• OPAF 03 0101110F: <i>N/A (2)</i>	-	5.206	7.020	-	7.020	-	-	-	-	Continuing	Continuing

Remarks

RDT&E funding increase includes Modernization funding for years 2024-2028.

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(AT&L)/DSP.

D. Acquisition Strategy

The B-21 philosophy to drive success has been to actively manage the program, contract and contractor; to partner with the prime and supply chain for win-win successes; and to aggressively identify and mitigate risk early. The acquisition strategy incentivizes industry partners to achieve cost, schedule and performance objectives.

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

Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604015F / <i>Long Range Strike - Bomber</i>	Project (Number/Name) 644044 / <i>B-21 Modernization</i>
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Product Development (\$ in Millions)				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			
Actual breakout provided in Special Access Program Annual Report to Congress	Various	Not specified. : FL	-	-		-		241.195		-		241.195	Continuing	Continuing	-
Subtotal			-	-		-		241.195		-		241.195	Continuing	Continuing	N/A
Project Cost Totals			-	-		-		241.195		-		241.195	Continuing	Continuing	N/A

Remarks
 This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Air Force **Date:** March 2023

Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604015F / <i>Long Range Strike - Bomber</i>	Project (Number/Name) 644044 / <i>B-21 Modernization</i>
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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

<i>Long Range Strike Bomber</i>	
Actual schedule provided in Special Access Program Annual Report to Congress	[REDACTED]

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Air Force	Date: March 2023
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Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604015F / <i>Long Range Strike - Bomber</i>	Project (Number/Name) 644044 / <i>B-21 Modernization</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Long Range Strike Bomber</i>				
Actual schedule provided in Special Access Program Annual Report to Congress	1	2024	4	2028

Note
 This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.