

AWARD/CONTRACT		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING	PAGE OF PAGES 1 30
2. CONTRACT (Proc. Inst. Ident.) NO. W911NF2030004		3. EFFECTIVE DATE 05 Jun 2020		4. REQUISITION/PURCHASE REQUEST/PROJECT NO. 0011506340	
5. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	6. ADMINISTERED BY (If other than item 5) DCM SYRACUSE 815 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-3408		CODE S3309A
7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, county, state and zip code) CORNING INCORPORATED CORNING 1 RIVERFRONT PLZ CORNING NY 14831-0001			8. DELIVERY <input type="checkbox"/> FOB ORIGIN <input checked="" type="checkbox"/> OTHER (See below)		
			9. DISCOUNT FOR PROMPT PAYMENT		
CODE 106B0			FACILITY CODE		10. SUBMIT INVOICES 0 (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN: ITEM
11. SHIP TO/MARK FOR US ARMY ACC-APG-RTP W911NF (b) (6) 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	12. PAYMENT WILL BE MADE BY DFAS COLUMB-NORTH ENTITLEMENT OPERATIONS P.O. BOX 182265 COLUMBUS OH 43218-2265		CODE HQ0337
13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)() <input type="checkbox"/> 41 U.S.C. 253(c)()			14. ACCOUNTING AND APPROPRIATION DATA See Schedule		
15A. ITEM NO.	15B. SUPPLIES/ SERVICES	15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT
SEE SCHEDULE					
15G. TOTAL AMOUNT OF CONTRACT					\$204,000,000.00
16. TABLE OF CONTENTS					
(X) SEC.	DESCRIPTION	PAGE(S)	(X) SEC.	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE			PART II - CONTRACT CLAUSES		
X	A	SOLICITATION/ CONTRACT FORM		I	CONTRACT CLAUSES
	B	SUPPLIES OR SERVICES AND PRICES/ COSTS		PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.	
	C	DESCRIPTION/ SPECS/ WORK STATEMENT		J	LIST OF ATTACHMENTS
	D	PACKAGING AND MARKING		PART IV - REPRESENTATIONS AND INSTRUCTIONS	
	E	INSPECTION AND ACCEPTANCE		K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS
	F	DELIVERIES OR PERFORMANCE		L	INSTRS., CONDS., AND NOTICES TO OFFERORS
	G	CONTRACT ADMINISTRATION DATA		M	EVALUATION FACTORS FOR AWARD
	H	SPECIAL CONTRACT REQUIREMENTS			
CONTRACTING OFFICER WILL COMPLETE ITEM 17 (SEALED-BID OR NEGOTIATED PROCUREMENT) OR 18 (SEALED-BID PROCUREMENT) AS APPLICABLE					
17. <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)			18. <input type="checkbox"/> SEALED-BID AWARD (Contractor is not required to sign this document.) Your bid on Solicitation Number _____ including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the terms listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your bid, and (b) this award/contract. No further contractual document is necessary. (Block 18 should be checked only when awarding a sealed-bid contract.)		
19A. NAME AND TITLE OF SIGNER (Type or print) (b) (6)			20A. NAME OF CONTRACTING OFFICER (b) (6) (b) (6)		
19B. NAME OF CONTRACTOR (b) (6)		19C. DATE SIGNED 6/5/2020	20B. UNITED STATES OF AMERICA (b) (6)		20C. DATE SIGNED 6/5/2020
BY (b) (6) (Signature of person authorized to sign)			BY (b) (6) (Signature of Contracting Officer)		

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STANDARD FORM 26 (REV. 5/2011)
Prescribed by GSA - FAR (48 CFR) 53.214(a)

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7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, county, state and zip code) CORN NG INCORPORATED CORN NG 1 RIVERFRONT PLZ CORN NG NY 14831-0001			8. DELIVERY [] FOB ORIGIN [X] OTHER (See below)		9. DISCOUNT FOR PROMPT PAYMENT		
CODE 1C6B0		FACILITY CODE		10. SUBMIT INVOICES 0 ITEM (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN:			
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17 [X] CONTRACTOR'S NEGOTIATED AGREEMENT Contractor is required to sign this document and return [] copies to issuing office Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein (Attachments are listed herein)				18 [] SEALED-BID AWARD (Contractor is not required to sign this document) Your bid on Solicitation Number _____ including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the terms listed above and on any continuation sheets This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your bid, and (b) this award/contract No further contractual document is necessary (Block 18 should be checked only when awarding a sealed-bid contract)			
19A. NAME AND TITLE OF SIGNER (Type or print)				20A. NAME OF CONTRACTING OFFICER (b) (6) / CONTRACTING OFFICER TEL: (b) (6) EMAIL: (b) (6)			
19B. NAME OF CONTRACTOR BY _____ (Signature of person authorized to sign)		19C. DATE SIGNED		20B. UNITED STATES OF AMERICA (b) (6) B _____ (Signature of Contracting Officer)		20C. DATE SIGNED 05-Jun-2020	

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Domestic Industrial Base ExpansionCOST Advanced manufacturing validation and domestic industrial base capacity expansion of advanced, high-quality Valor® Glass tubing and vials/cartridges to reduce supply chain risk and ensure rapid delivery of medical countermeasures (MCMs) to the Warfighter and MCMs and other supportive therapies to protect U.S. public health in response to the COVID-19 pandemic and other future public health emergencies FOB: Destination PURCHASE REQUEST NUMBER: 0011506340 PSC CD: K065	1	Job		\$204,000,000.00 NTE
	ACRN AA CIN: GFEB001150634000001			ESTIMATED COST	\$204,000,000.00 \$204,000,000.00

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000101	Low-Volume Vial/Cartridge ExpansionCOST Next-Gen Process Validation & Low-Volume Vial/Cartridge Capacity Expansion- Location: (b) (4) Estimate (Cost Proposal): (b) (4) This is an informational SUBCLIN.				NSP
				ESTIMATED COST	(b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000102	High-Volume Tubing ExpansionCOST Completion of High-Volume Tubing Capacity Expansion- Location: (b) (4) Estimate (Cost Proposal): (b) (4) This is an informational SUBCLIN.				NSP
				ESTIMATED COST	(b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT NSP
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000103
High-Volume Vial/Cartridge ExpansionCOST
Completion of High-Volume Vial/Cartridge Capacity Expansion-
Location: (b) (4)
Estimate (Cost Proposal): (b) (4)
This is an informational SUBCLIN.

ESTIMATED COST (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT NSP
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000104
Program ManagementCOST
Estimate (Cost Proposal): (b) (4)
This is an informational SUBCLIN.

ESTIMATED COST (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT NSP
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000105
Monthly Progress ReportsCOST
This is an informational SUBCLIN.

ESTIMATED COST (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT NSP
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000106
Quarterly In-Process Reviews (IPR)COST
This is an informational SUBCLIN.

ESTIMATED COST (b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT NSP
000107	Annual Financial Status Report This is an informational SUBCLIN.				
				ESTIMATED COST	(b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT NSP
000108	Final Report This is an informational SUBCLIN.				
				ESTIMATED COST	(b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT NSP
0002 OPTION	Option 1- (b) (4) (b) (4)		Each COST		
				ESTIMATED COST	(b) (4)

FOB: Destination
PSC CD: K065

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003			Each		NSP
OPTION	Option 2- (b) (4)		COST		

(b) (4)

[Redacted]

FOB: Destination
PSC CD: K065

ESTIMATED COST

(b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004			Each		NSP
OPTION	Option 3- (b) (4)		COST		

(b) (4)

[Redacted]

FOB: Destination
PSC CD: K065

ESTIMATED COST

(b) (4)

CLIN 0001:

Advanced manufacturing validation and domestic industrial base capacity expansion of advanced, high-quality Valor[®] Glass tubing and vials/cartridges to reduce supply chain risk and ensure rapid delivery of medical countermeasures (MCMs) to the Warfighter and MCMs and other supportive therapies to protect U.S. public health in response to the COVID-19 pandemic and other future public health emergencies

SUBCLIN 000101

Next-Gen Process Validation & Low-Volume Vial/Cartridge Capacity Expansion

Location: (b) (4)

SUBCLIN 000102

Completion of High-Volume Tubing Capacity Expansion

Location: (b) (4)

SUBCLIN 000103

Completion of High-Volume Vial/Cartridge Capacity Expansion

Location: (b) (4)

SUBCLIN 000104

Program Management

SUBCLIN 000105

Monthly Progress Reports

SUBCLIN 000106

Quarterly In-Process Reviews (IPR)

SUBCLIN 000107

Annual Financial Status Report

SUBCLIN 000108

Final Report

CLIN 0002:

Option 1 (b) (4)

CLIN 0003:

Option 2 (b) (4)

CLIN 0004

Option 3 (b) (4)

CLIN 0005

Option 4 (b) (4)

CLIN 0006

Option 5 (b) (4)

CLIN 0007

Option 6 (b) (4)

CLIN 0008

Option 7 (b) (4)

TECHNOLOGY INVESTMENT AGREEMENT TERMS AND CONDITIONS

ARTICLES

1. Scope of Agreement
2. Term of Agreement
3. Order of Precedence
4. Program/Administrative Management
5. Financial Management & Payment
6. Accounting & Audit
7. Purchasing & Title
8. Cost Sharing
9. (b) (4)
10. Records Retention & Government Access
11. Intellectual Property & Patent Rights
12. Data Rights
13. FDA Regulatory Requirements
14. Termination
15. Disputes
16. Reports & Distribution
17. Modification
18. Miscellaneous

(b) (4)

[Redacted]

[Redacted]

[Redacted]

[Redacted]

RECITALS

This Agreement is entered into between the United States of America, Department of Defense, represented by ACC-APG-RTP (“Government”) and Corning Incorporated (“Recipient”), collectively referred to as the “Parties,” pursuant to and under the statutory authority at 10 U.S.C. §2371 and/or 10 U.S.C. §2358.

The Recipient, a for-profit firm, submitted a basic, applied, or advanced research or development proposal to the Government in response to the publicly disseminated Medical Countermeasures System (MCS) Broad Agency Announcement (BAA) 17-01. The proposal was identified within the MCS BAA scope of: Advanced Development & Manufacturing Capabilities (ADMC), to develop a national capability and capacity to develop and produce medical countermeasures rapidly to counter known or unknown chemical, biological, radioactive, and nuclear (CBRN) threats, including novel and previously unrecognized, naturally- occurring emerging infectious diseases such as the COVID-19 virus. The specific MSC BAA Area of Interest is Mission Area 1, Medical Biological Prophylaxis.

The Government awards this Technology Investment Agreement (TIA) to fund the Recipient proposal subject to the following terms and conditions and other statutory requirements. The Parties desire to enter into this Agreement to establish said terms and conditions under which they plan to carry out the activities as described below.

THEREFORE, THE PARTIES AGREE:

1. Scope of Agreement

1.1 Governing Authority

This Technology Investment Agreement (TIA) is an assistance transaction other than a grant or cooperative agreement and is awarded pursuant to 10 USC §2371 and/or 10 USC §2358, as applicable, as implemented by 32 Code of Federal Regulations (CFR) Part 37, and Parts 22 and 34 where specifically referenced. The following are also incorporated in full, to the extent applicable: Definitions at Subpart J of 32 CFR Part 37; National Policies at Appendix B, 32 CFR Part 22; Audits at Appendix C of 32 CFR Part 37. This TIA is subject to good manufacturing practices (cGMPS) at 21 CFR 210 and 211, as applicable. The Federal Acquisition Regulation (FAR), Defense Federal Acquisition Regulation Supplement (DFARS), DoD Grant and Agreement Regulations (DoDGARs), or other regulatory and statutory requirements apply only as specifically referenced herein. If this instrument is awarded under 10 USC §2358, then the Bayh-Dole Act, 35 U.S.C. §200-212 also applies, if applicable.

1.2 Principal Purpose

The Government and the Recipient agree that the principal purpose of this Agreement is for Government investment into the expansion of Recipient’s existing capacities to support efforts in pursuit of domestic development and distribution of a vaccine in response to the worldwide COVID-19 pandemic and to utilize that expanded capacity to manufacture, produce, and sell pharmaceutical containers. (b) (4)
Corning Incorporated’s proposal titled “Advanced Manufacturing Validation and Domestic Industrial Base Capacity Expansion of Advanced, High-Quality Valor® Glass Tubing and Vials/Cartridges to Reduce Supply Chain Risk and Ensure Rapid Delivery of Medical Countermeasures (MCMs) to the Warfighter and MCMs and Other Supportive Therapies to Protect U.S. Public Health in Response to the COVID-19 Pandemic and Other Future Public Health Emergencies,” dated (b) (4), including all revisions and appendices, is fully incorporated (the “Proposal,” for the “Project”). This Agreement is not intended to be, nor shall it be construed as, by implication or otherwise, a partnership, a corporation, or other business organization.

2. Term of Agreement

This Agreement shall commence upon the effective date listed on page 1, after execution of the Agreement by both parties, for a period of (b) (4), the "term" of the Agreement or "Period of Performance." *Period of performance* means the time during which a Recipient or Subrecipient may incur new obligations to carry out the work authorized under an award or subaward, respectively. The Government shall have the right to (b) (4)

3. Order of Precedence

This Agreement is subject to the laws and regulations of the United States. In the event of a conflict or inconsistency in the terms and conditions or attachments specified in this Agreement, the conflict or inconsistency shall be resolved according to the following order of precedence: (a) the Federal statute authorizing this award, or any other Federal statutes directly affecting performance of this Agreement, including attachments where applicable; (b) Federal regulations specifically referenced; (c) the terms and conditions contained within the Agreement, including any documents incorporated; and (d) programmatic requirements.

4. Program/Administrative Management

4.1 Program Management

The Recipient has full responsibility for the Project supported by this Agreement, in accordance with the Recipient's proposal and proposal revisions/appendices, and the terms and conditions specified in this Agreement. The Government will have continuous and/or substantial involvement with the Recipient pursuant to a Collaboration Plan that will be finalized within 30 days after award. The Recipient must consult the Program Office/Technical Representative through the Agreements Officer before deviating from the objectives or overall program of the Project originally proposed. Uncured material non-compliance with any provision of this Agreement may result in the withholding of funds and or the termination of the award.

4.2 Government Representatives

Agreements Officer

(b) (6)

Administrative Agreements Officer

(b) (6)

BARDA Program Manager

(b) (6)

(b) (6)

4.3 Recipient's Representatives

(b) (6)

(b) (6)

(b) (6)

(b) (6)

5. Financial Management & Payment

5.1 Expenditure-Based

This Agreement is an expenditure type Technology Investment Agreement (TIA) as described in 32 CFR §37.1285. *Expenditure* is defined in 32 CFR §37.1290. The charges may be reported on a cash or accrual basis, as long as the methodology is disclosed and is consistently applied. In accordance with 32 CFR 37.300(a): "For an expenditure-based TIA, the amounts of interim payments or the total amount ultimately paid to the Recipient are based on the amounts the Recipient expends on project costs. If a Recipient completes the project specified at the time of award before it expends all of the agreed-upon Federal funding and Recipient cost sharing, the Federal Government may recover its share of the unexpended balance of funds or, by mutual agreement with the Recipient, amend the agreement to expand the scope of the research project. An expenditure-based TIA therefore is analogous to a cost-type procurement contract or grant." The Recipient's Labor and G&A Rates are set forth in Appendix 2

(b) (4). A non-exclusive list of expenditures agreed to be

allowable and allocable (to the extent reasonable) are set forth in Appendix 3. As set forth in the Advance Agreement attached as Attachment C, all costs, not in excess of (b) (4), incurred by the Recipient beginning on (b) (4) and before the effective date of this Agreement, shall be recognized the same as if incurred after the effective date of this Agreement and the Government will reimburse all allowable, allocable, and reasonable pre-award costs, consistent with the provisions of this Agreement.

5.2 Obligation

In no case shall the Government's financial obligation exceed the amount obligated on this Agreement or by amendment to the Agreement. The Government is not obligated to reimburse the Recipient for expenditures in excess of the amount of obligated funds allotted by the Government.

5.3 Wide Area Workflow. The following guidance is provided for invoicing processed under this Agreement through WAWF:

5.3.1. Acceptance within the WAWF system shall be performed by the Agreements Officer upon receipt of a confirmation email, or other form of transmittal, from the BARDA PM.

5.3.2. The Recipient shall send an email notice to the BARDA PM and upload the BARDA PM approval as an attachment upon submission of an invoice in WAWF (this can be done from within WAWF).

5.3.3. Payments shall be made by the Defense Finance and Accounting Services (DFAS) office indicated below within thirty (30) calendar days of an accepted invoice in WAWF:

Defense Finance and Accounting Service (DFAS)
DFAS COLUMBUS- North Entitlement Operations
1-800-756-4571

5.3.4. WAWF Provision:

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

(b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232- 7003, Electronic Submission of Payment Requests and Receiving Reports.

(c) WAWF access. To access WAWF, the Recipient shall (i) have a designated electronic business point of contact in the System for Award Management at <https://www.acquisition.gov>; and (ii) be registered to use WAWF at <https://wawf.eb mil/> following the step-by-step procedures for self-registration available at this website.

(d) WAWF training. The Recipient should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at <https://wawf.eb mil/>.

(e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.

(f) WAWF payment instructions. The Recipient must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:

(1) Document type. The Recipient shall use the following document type:

Non-Procurement Instruments (NPI) Voucher

(2) Document routing. The Recipient shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table

Pay Official DoDAAC	HQ0337
Issue By DoDAAC	W911NF
Admin DoDAAC	S3306A
Inspect By DoDAAC	W911NF
Ship To Code	W911NF
Ship From Code	N/A
Mark For Code	N/A
Service Approver DoDAAC	S3306A
Service Acceptor DoDAAC	W911NF
Accept at Other DoDAAC	N/A
LPO DoDAAC	N/A
DCAA Auditor DoDAAC	N/A
Other DoDAAC(s)	N/A

(4) Payment request and supporting documentation. The Recipient shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation in support of each payment request.

(5) WAWF email notifications. The Recipient shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.

(b) (6)

(g) WAWF point of contact.

(1) The Recipient may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

6. Accounting & Audit

6.1 Accounting System

6.1.1. The Recipient's systems must demonstrate effective control of all funds. Control systems must be adequate to ensure that costs charged to Federal funds and those counted as the Recipient's cost share or match are consistent with requirements for cost reasonableness, allowability, and allocability as set forth in 32 CFR §37.625(b) and in the terms and conditions of the award. The Recipient must be able to provide accurate, current and complete records that document for work funded wholly or in part with Federal funds the source and application of the Federal funds and the Recipient has required cost share or match.

6.1.2. The Recipient's cost accounting system shall be in compliance with Generally Accepted Accounting Principles (GAAP) in accordance with 32 CFR §37.615. The system must effectively control all Project funds, including Federal funds and any required cost share. The system must have complete, accurate, and current records that document the sources of funds and the purposes for which they are disbursed. It also must have procedures for ensuring that Project funds are used only for purposes permitted by the agreement (§ 37.625).

6.1.3. (b) (4)

Pursuant to 32 CFR §34.14(c) costs incident to the generation of program income may be deducted from gross income to determine program income, provided these costs have not been charged to the award. As contemplated by 32 CFR §34.14(b)(2), Recipient will have no obligation to the Government for program income generated after the end of the Period of Performance, and no recovery of funds is contemplated under 32 CFR §37.580.

6.2 Annual Audit Requirement

The Recipient shall have an annual audit performed by (b) (4). The Recipient shall provide a copy of the auditor's report to the Agreements Officer within 60 days after audit. Audits at Appendix C of 32 CFR Part 37 is incorporated into this Agreement. (b) (4)

7. Purchasing & (b) (4)

7.1 (b) (4)

7.2 Purchasing System. Recipient may use its existing purchasing systems, as long as applicable requirements are flowed down (37.705).

8. Cost Sharing

8.1 The Recipient has demonstrated a strong commitment to and self-interest in the success of the Project, as evidenced by, *inter alia*, its (b) (4) in (b) (4) in (b) (4) as of (b) (4). The Recipient's additional projected independent research and development (IR&D) investment in the Project is expected to exceed (b) (4). Accordingly, the Government has evaluated and determined that Recipient's investment has satisfied the cost share requirements set out in 32 CFR § 37.215.

9. (b) (4)

9.1 (b) (4)



9.2 (b) (4)



9.3 (b) (4)



9.4 Equivalent Units. For purposes of this Article 9, references in this Agreement, the Proposal, or an Appendix to (a) (b) (4), (b)

(b) (4) _____, and which shall be equivalent to (b) (4) _____, and (c) (b) (4) _____, and which shall be equivalent to (b) (4) _____.

10. Records Retention & Government Access

The DoD, Comptroller General of the United States, or any of their duly authorized representatives, have the right of timely and unrestricted access to any books, documents, papers, or other records of the Recipient that are pertinent solely to the Recipient's technical performance under this Agreement, in order to make examinations, excerpts, transcripts and copies of such documents; provided that all information disclosed shall be deemed to be and marked as the commercial confidential information of Recipient. This right also includes timely and reasonable access to the Recipient's personnel for the purpose of interview and discussion related to such records. Such access shall be performed during business hours on business days upon written notice and shall be subject to the security requirements of the audited Party to the extent such security requirements do not conflict with the rights of access otherwise granted by this paragraph. The rights of access in this paragraph shall last as long as records are retained. The rights of access in this paragraph do not extend to the Recipient's financial records or any of its affiliates, segments, or subsidiaries.

11. Intellectual Property & Patent Rights

11.1 Background IP and Materials. The Recipient and the Government each retain any intellectual property (IP) rights to their own materials, data, technology, information, documents, or know-how—or potential rights, such as issued patents, patent applications, invention disclosures, or other written documentation—that exist prior to execution of this Agreement or are developed outside the scope of this Agreement (Background IP).

11.2 Authorization and Consent for Non-commercial Products. The Government authorizes and consents to all use and manufacture, in performance of this Agreement, of any invention described in and covered by a United States patent, except for deliverables under this Agreement that are commercially available to the public by the Recipient.

11.3 Ownership. Ownership of any invention, regardless of whether it is not patentable, held as a trade secret or is patentable under U.S. patent law that is conceived or first reduced to practice under this Agreement (an "Invention") will follow inventorship in accordance with U.S. patent law. The Parties represent and warrant that each inventor will assign his or her rights in any such Inventions to his or her employing organization.

11.4 Patent Applications. Irrespective of any Disclosure of Information clauses in this Agreement the Parties will respectively have the option to file a patent application claiming any Invention made solely by their respective employees. The Parties will consult with each other regarding the options for filing a patent application claiming a joint Invention. Within two months of being notified of the discovery of an Invention or filing a patent application covering an Invention, each Party will provide notice of such discovery or filing to the other Party. The Parties will reasonably cooperate with each other in the preparation, filing, and prosecution of any patent application claiming an Invention. Any Party filing a patent application will bear expenses associated with filing and prosecuting the application, as well as maintaining any patents that issue from the application, unless otherwise agreed by the Parties.

11.5 Licenses. Upon the Recipient's request, the Government agrees to enter into good faith negotiations regarding the Recipient's receipt of a nonexclusive commercialization license covering the Government's interest in any Invention made in whole or in part by a Government employee. Any Invention made by a Recipient employee is subject to a nonexclusive, nontransferable, irrevocable, paid-up license for the Government to practice and have practiced the Invention.

11.6 Executive Order No. 9424 of 18 February 1944 requires all executive Departments and agencies of the Government to forward through appropriate channels to the Commissioner of Patents and Trademarks, for recording, all Government interests in patents or applications for patents. Should any of these provisions conflict with the Bayh-Dole Act, the statute takes precedence.

12. Data Rights

12.1 All data generated in connection with the performance of the studies under this Agreement, or that arises out of the use of any materials or enabling technology provided or used by the Recipient in the performance of this Agreement, other materials or confidential information, whether conducted by the Government or the Recipient (collectively, the "Study Data"), shall be owned by the Recipient. The Government shall have the right to use, modify, reproduce, release, perform, display, or disclose data first produced in the performance of this Agreement within the Government and otherwise including use for Government procurement of the items covered by the data. The Government may, under a separate agreement or by modification to this Agreement, obtain any rights to use or disclose the material or data to the extent that such material or data was produced outside the scope of this Agreement. Notwithstanding the above, as a result of this Agreement, the Government shall obtain "Unlimited rights," as this term is defined in DFARS 252.227-7013(a)(16) in any data generated under this Agreement.

12.2 Marking of Data: The Recipient is responsible for affixing appropriate markings indicating the rights of the Recipient on all data and technical data delivered under this Agreement. Any rights that a Party may have in data delivered under this Agreement, whether arising under this Agreement or otherwise, will not be affected by a Party's failure to mark data pursuant to this Article. Any distribution markings shall be established by the GPM and incorporated prior to distribution.

12.3 Any Software (as that term is defined in DFARS 252.227-7014) developed under this Agreement shall be owned by the Recipient subject to "Unlimited Rights" (as that term is defined in DFARS 252.227-7014) held by the Government. The Recipient shall deliver source and object code for each instance of Software developed under the Agreement in accordance with the requirements of the other deliverables under this Agreement. Use of any open source code in any Software required to be delivered to the Government shall be subject to approval of the Government.

12.4 Any Technical Data and Software (each term as defined under DFARS 252.227-7013) which shall be delivered under this Agreement with less than unlimited rights shall be identified in reasonable specificity and particular rights granted (Government Purpose, Limited or Restricted (all as defined in DFARS 252.227-7013)) prior to entering into the Agreement. All other Technical Data and Software developed under funding of this Agreement shall be delivered with unlimited rights as provided for within this Article.

13. FDA Regulatory Compliance

13.1 GMP Compliance. To the extent required under the Federal Food, Drug, and Cosmetic Act, the Recipient will ensure that the manufacturing capability established under this Agreement complies with current good manufacturing practices (cGMPs) under 21 CFR 210 and 211. The Recipient will notify the Government of any written cGMP inspection findings from the U.S. Food and Drug Administration (FDA) pertinent to the manufacturing capability established under this Agreement.

13.2 (b) (4)



14. Termination

Termination and Enforcement procedures are in accordance with 32 CFR §34.51 through §34.52.

15. Disputes

15.1 ADR. For any disagreement, claim, or dispute arising under this Agreement, the Parties shall communicate with one another in good faith and in a timely and cooperative manner. Whenever disputes, disagreements, or misunderstandings arise, the Parties shall attempt to resolve the issue by discussion and mutual agreement as soon as practicable. Failing resolution by mutual agreement, the aggrieved party shall request a resolution in writing from the Agreements Officer. Alternately, the Parties may agree to explore and establish an Alternate Disputes Resolution procedure to resolve this dispute.

15.2 Claims.

a. Recipient Claims. The Recipient shall submit claims arising out of this Agreement to the Agreements Officer. Claims shall specify the nature and basis for the relief requested and shall include all data and relevant facts in support of the claim.

b. DoD Component Claims. Claims by a DoD Component shall be the subject of a written decision by the Agreements Officer.

15.3 Agreements Officer Decisions. Within 60 calendar days after receipt of a written claim, the Agreements Officer shall:

a. Prepare a written decision, which shall include the basis for the decision, the relevant facts on which the decision is based, and the identity and address of the cognizant Appeal Authority; or

c. Notify the Recipient of a date when the decision will be rendered. The notice shall address why additional time is needed and what, if any, additional information is required from the Recipient to adjudicate the claim.

The Agreements Officer's decision is final, unless appealed. In the event of an appeal, the Parties shall endeavor to use ADR procedures to the maximum extent practicable.

15.4 Formal Administrative Appeals

15.4.1 Appeal Authority. The Agreements Officer of the ACC-APG-RTP is the Appeal Authority to decide formal, administrative appeals under this Agreement. If the Agreements Officer of the ACC-APG-RTP is unable to serve in this capacity, the Division Chief of ACC-APG-RTP Division shall so serve.

15.4.2 The Recipient may appeal an Agreements Officer's decision within 90 calendar days of receiving the decision by filing a written notice of appeal with the Appeal Authority and the Agreements Officer.

15.4.3 If the Parties elect to use ADR following the Agreement Officer's decision, the remaining portion of the 90-day period for filing notice of appeal shall be tolled during the period running from the date the Parties agree in writing to utilize ADR to the date either (1) an ADR decision is issued or (2) one Party notifies the other in writing that it is abandoning the ADR process.

15.4.4 Appeal File. Within 30 calendar days after receipt of the notice of appeal, the Agreements Officer shall forward to the Appeal Authority and the Recipient the appeal file, which shall include copies of all documents relevant to the appeal. The Recipient may supplement the file with additional documents it deems relevant. Either Party may supplement the file with a memorandum in support of its position, or the Appeal Authority may request additional information from the Parties.

15.4.5 Decision. The appeal shall be decided solely on the basis of the written record, unless the Appeal Authority decides to conduct fact-finding or an oral hearing on the appeal. Any fact-finding or hearing shall be conducted using procedures that the Appeal Authority deems appropriate. The decision of the Appeal Authority

shall be final.

15.5 Non-exclusivity of remedies. Either party may pursue any right or remedy provided by law in a court of competent jurisdiction as authorized by 28 U.S.C. 1491.

16. Reports & Distribution

16.1 Monthly Progress Reports. Submitted monthly no later than the 10th of the month. The Recipient's format is acceptable. Electronic submission is acceptable in MS Office or PDF format. Financial information shall be in MS Excel format. Monthly reports shall NOT be marked proprietary and shall have Distribution Statement B (U.S. Government Agencies). Each monthly report shall, at a minimum, contain the following:

- a. Summary of monthly progress for the Recipient's facilities/capabilities associated with this effort
- b. Summary of progress towards established milestones for each facility/capability
- c. Identification of any milestone that is slipping or missed, and discussion of path forward to bring milestone back to schedule, and impact on other milestones
- d. Summary of risks, discussion of potential impacts and efforts to mitigate
- e. Summary of overall schedule and changes from previous month
- f. Financial summary of Recipient costs incurred by month to date, vouchers submitted, and Government payments made

16.2 Quarterly-In-Process Reviews. Scheduled as needed, generally not more frequently than quarterly, at the Recipient's facilities. Duration: 8 hrs max. Face to face review of previous quarter's activities. Informative in nature to keep BARDA apprised of Project progress and to discuss issues that may require joint resolution, such as milestone changes, political impacts on objectives, schedule, funding.

16.3 Annual Financial Status Report. Annual financial status report containing the mandatory elements of 32 CFR § 37.880(b)(1) and (2).

16.4 Final Report. Final Report shall not be marked proprietary, and shall have Distribution Statement B. Final report summarizing stated objectives and the progress that was achieved in meeting those objectives; summary of risks incurred, impacts and mitigation; quantitative discussion of vial production throughput improvements achieved; financial summary of Project; schedule summary for Project, comparing original schedule to final schedule; recommendations for path forward as applicable.

17. Modification of the Agreement

17.1 Limitation. In no event shall any understanding or agreement, modification, change order, or other matter in deviation from the terms of this Agreement between the Recipient and a person other than the Agreements Officer be effective or binding upon the Government. All such actions must be formalized by a proper contractual document executed by the Agreements Officer. The only method by which this Agreement can be modified is by a formal, written modification signed by the Agreements Officer. No other communications, whether oral or in writing, shall modify this Agreement.

17.2 Recommendation. Modifications to this Agreement may be proposed by either Party. Recipient recommendations for any modifications to this Agreement, including justifications to support any changes to the proposal (inclusive of proposal revisions, proposal appendices, and the collaboration plan), as incorporated by reference, shall be submitted in writing to the Government Program Manager with a copy to the Agreements Officer. The Recipient shall detail the technical, chronological, and financial impact of the proposed modification to the program. Changes are effective only after this Agreement has been modified. The Agreements Officer is responsible for the review and verification of any recommendations.

17.3 Unilateral or Minor. The Agreements Officer may unilaterally issue administrative Agreement modifications (e.g., changes in the paying office or appropriation data, or changes to Government personnel

identified in this Agreement, etc.). All other modifications shall be the result of bilateral agreement of the Parties. The Government may make minor or administrative Agreement modifications unilaterally.

18. Miscellaneous

18.1 Security. The Recipient shall not develop and/or handle classified information in the performance of this Agreement. No DD254 is currently required for this Agreement.

18.2 Entire Agreement. This Agreement, inclusive of the proposal, proposal revision, proposal appendices, and collaboration plan(s), constitutes the entire Agreement between the Parties concerning the subject matter hereof and supersedes any prior understandings or written or oral Agreement relative to said matter. In the event of a conflict between the terms of this Agreement, the terms of this Agreement shall govern.

18.3 Waiver of Rights. Any waiver of any requirement contained in this Agreement shall be by mutual agreement of the Parties hereto. Any waiver shall be reduced to a signed writing and a copy of the waiver shall be provided to each Party. Failure to insist upon strict performance of any of the terms and conditions hereof, or failure or delay to exercise any rights provided herein or by law, shall not be deemed a waiver of any rights of any Party hereto.

18.4 Liability. No Party to this Agreement shall be liable to the other Party for any property consumed, damaged, or destroyed in the performance of this Agreement, unless it is due to the negligence or willful misconduct of the Party or an employee or agent of the Party. In no event shall either Party be liable for special, incidental, or consequential damages arising from or connected with this Agreement.

18.5 Non-Assignment. This Agreement may not be assigned by any Party except by operation of law resulting from the merger of a Party into or with another corporate entity, sale of substantially all of the assets of a Party, or other similar change of control transaction.

18.6 Severability. If any clause, provision or section of this Agreement shall be held illegal or invalid by any court, the invalidity of such clause, provision, or section shall not affect any of the remaining clauses, provisions, or sections herein, and this Agreement shall be construed and enforced as if such illegal or invalid clause, provision, or section had not been contained herein.

18.7 Force Majeure. Neither Party shall be in breach of this Agreement for any failure of performance caused by any event beyond its reasonable control and not caused by the fault or negligence of that Party. If such a force majeure event occurs, the Party unable to perform shall promptly notify the other Party and shall in good faith maintain such partial performance as is reasonably possible and shall resume full performance as soon as is reasonably possible.

18.8 Foreign Access to Technology & Domestic Manufacturing.

18.8.1 Activities Abroad. The Recipient shall assure that Project activities carried on outside the United States are coordinated as necessary with appropriate Government authorities and that appropriate licenses, permits, or approvals are obtained prior to undertaking proposed activities. The awarding agency does not assume responsibility for Recipient compliance with the laws and regulations of the country in which the activities are to be conducted.

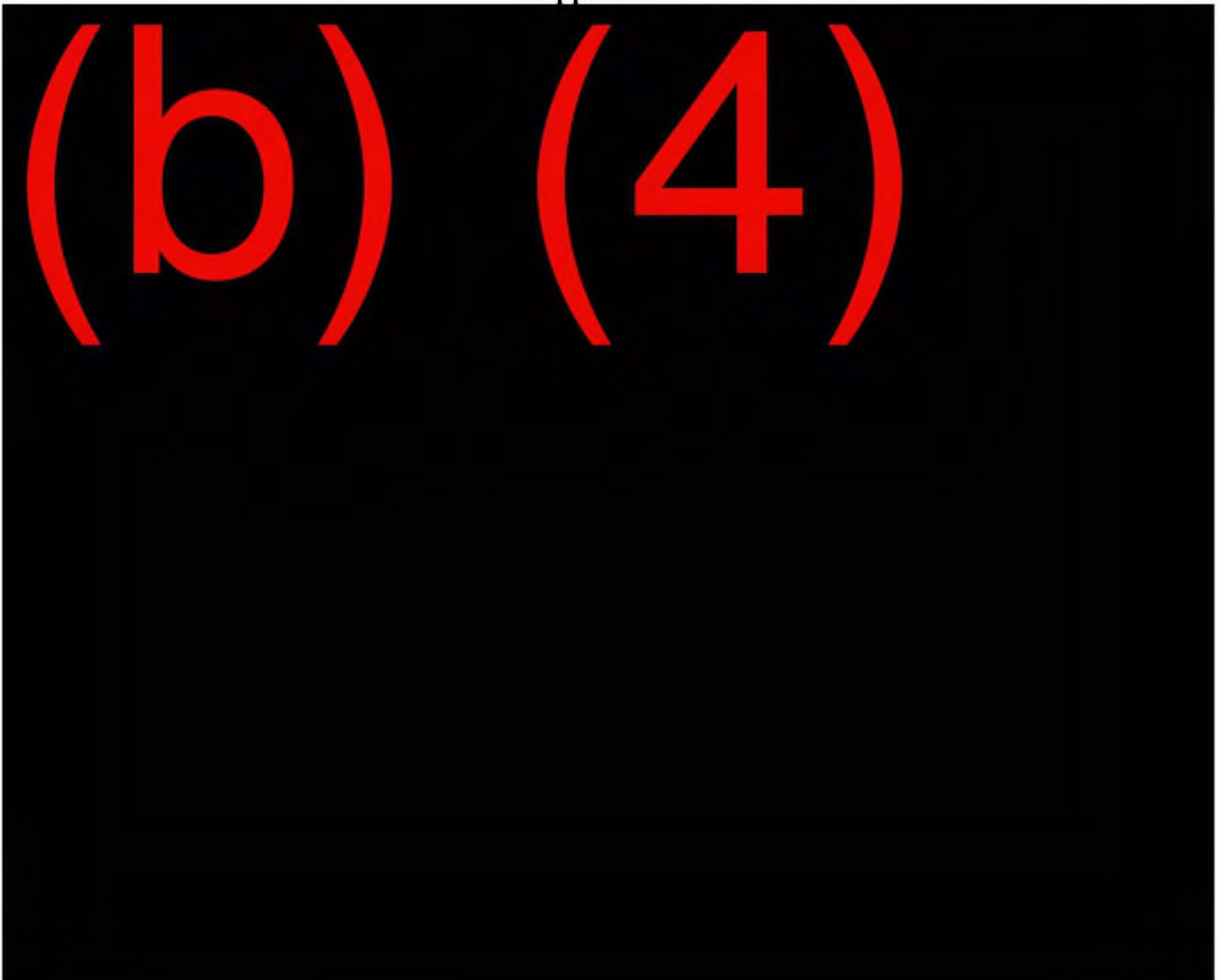
18.8.2 Export. The Parties understand that information and materials provided pursuant to or resulting from this Agreement may be export controlled, sensitive, for official use only, or otherwise protected by law, executive order, or regulation. The Recipient is responsible for compliance with all applicable laws and regulations. Nothing in this Agreement shall be construed to permit any disclosure in violation of those restrictions.

18.8.3. Exclusive right to use or sell the technology in the United States must, unless the Government grants a waiver, require that products embodying the technology or produced through the use of the technology will be manufactured substantially in the United States (37.875).

18.9 Publicity. During the term of this Agreement, each Party will obtain the consent of the other Parties and the Government Program Manager before making any press releases or public statement pertaining to the Program or to this Agreement; provided, however, that each of the Parties may make statements that reiterate statements made in previously approved press releases or public statements. This consent will not be unreasonably withheld. Notwithstanding the foregoing, either Party may, without the prior consent of the other Party (but after prior consultation with the other Party to the extent practicable under the circumstances), issue or cause the publication of any disclosure to the extent required by applicable law or securities exchange listing requirement. In addition, each Party will provide the other Parties (60) days in which to review and comment on proposed scholarly publications or presentations pertaining to the Program or to this Agreement. The publishing Party shall take into account any comments received, and shall comply with the other Party's request to remove the other Party's confidential information from the proposed scholarly publication or presentation prior to publication.

APPENDIX 2

Appendix 2



APPENDIX 3

Appendix 3

(b) (4)

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
000103	N/A	N/A	N/A	N/A
000104	N/A	N/A	N/A	N/A
000105	N/A	N/A	N/A	N/A
000106	N/A	N/A	N/A	N/A
000107	N/A	N/A	N/A	N/A
000108	N/A	N/A	N/A	N/A
0002	Destination	Government	Destination	Government
0003	Destination	Government	Destination	Government
0004	Destination	Government	Destination	Government
0005	Destination	Government	Destination	Government
0006	Destination	Government	Destination	Government
0007	Destination	Government	Destination	Government
0008	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP (b) (4) TO (b) (4)	N/A	US ARMY ACC-APG-RTP W911NF [REDACTED] 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709 [REDACTED] FOB: Destination	W911NF
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
000103	N/A	N/A	N/A	N/A
000104	N/A	N/A	N/A	N/A
000105	N/A	N/A	N/A	N/A
000106	N/A	N/A	N/A	N/A
000107	N/A	N/A	N/A	N/A
000108	N/A	N/A	N/A	N/A
0002	POP (b) (4) TO (b) (4)	N/A	US ARMY ACC-APG-RTP W911NF [REDACTED] 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709 [REDACTED] FOB: Destination	W911NF
0003	POP (b) (4) TO (b) (4)	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	W911NF
0004	POP (b) (4) TO (b) (4)	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	W911NF
0005	POP (b) (4) TO (b) (4)	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	W911NF
0006	POP (b) (4) TO (b) (4)	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	W911NF

0007	POF (b) (4) (b) (4)	TO	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	W911NF
0008	POP (b) (4) (b) (4)	TO	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	W911NF

Section G - Contract Administration Data

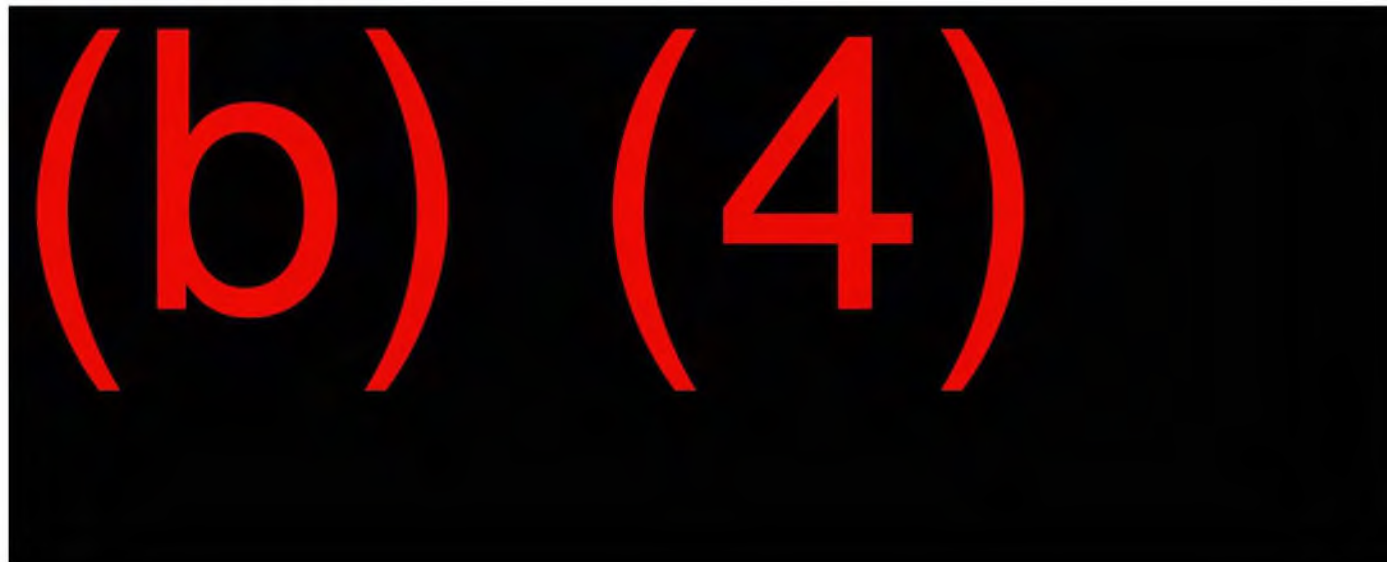
ACCOUNTING AND APPROPRIATION DATA

AA: 0212020202120400000664643255 S.0074658.5.1 6100.9000021001
COST CODE: A5XAH
AMOUNT: \$204,000,000.00

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	0001	GFEB001150634000001	\$204,000,000.00

Section J - List of Documents, Exhibits and Other Attachments

ATTACHMENTS



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE 20-Jul-2020	4. REQUISITION/PURCHASE REQ. NO. 0011506340	1 2
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408	5. PROJECT NO.(If applicable) S3306A SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004	
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020	
CODE 1C6B0		FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
X D. OTHER (Specify type of modification and authority) Unilateral; IAW DCMA ACO Assignment				
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6)				
The purpose of this modification is to change the DCMA Administrative Agreements Officer from (b) (6)				
SEE CONTINUATION PAGES FOR SUMMARY OF CHANGES				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			(b) (6)	
			TEL: (b) (6) EMAIL: (b) (6)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	
(Signature of person authorized to sign)			(b) (6)	
			B (Signature of Contracting Officer)	
			20-Jul-2020	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

MODIFICATION P00001

The contact information for (b) (6) is as follows:

(b) (6)

DCMA SYRACUSE

615 ERIE BLVD., WEST

SUITE 300

SYRACUSE, NY 13204-2408

(b) (6)

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. P00002	3. EFFECTIVE DATE 23-Jul-2020	4. REQUISITION/PURCHASE REQ. NO. 0011506340		5. PROJECT NO.(If applicable) 1 4
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709	CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408		CODE S3306A SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004	
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020	
CODE 1C6B0	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
X D. OTHER (Specify type of modification and authority) Bilateral; IAW Negotiated Terms & Conditions				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6)				
The purpose of this modification is to (1) approve and incorporate newly proposed labor rates, (2) approve overtime for 'salary non-exempt employees,' and (3) approve use of the Corning privately owned and/or chartered aircraft shuttle for air travel.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			TEL: (b) (6) EMAIL: (b) (6)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)		BY (b) (6)		23-Jul-2020
		(Signature of Contracting Officer)		

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

MODIFICATION P00002

- (1) The Recipient proposed additional labor categories and rates for (b) (4), (b) (4), and a proposed (b) (4). The proposed labor rates are approved and incorporated into the Technology Investment Agreement as additions to Appendix 2, Recipient Labor and G&A Rates. Appendix 2 will be maintained as one Excel Workbook and provided to the Agreements Officer and Administrative Agreements Officer. Labor rates for externally contracted work will (b) (4). The Recipient shall attach copies of all such invoices with voucher submissions in WAWF, or provide via e-mail if requested by the AAO.
- (2) Overtime is approved for 'salary non-exempt employees', reimbursable at a rate of (b) (4), as consistent with the Federal Labor Standards Act (FLSA), the Contract Work Hours and Safety Standards Act, and labor laws applicable to the respective U.S. states or territories where overtime is worked, as reported by the U.S. Department of Labor.
- (3) Use of the Corning, Incorporated privately owned and/or chartered aircraft shuttle is approved for air travel under this Agreement. The Recipient shall be reimbursed for air travel up to the amount that is determined as most advantageous to the Government by the Administrative Agreements Officer (AAO). The determination of whether or not use of the privately owned and/or chartered aircraft shuttle is more advantageous to the Government than commercial air travel or other modes of travel will be determined by the AAO on a case-by-case basis. Factors that will be considered by the AAO in making this determination are cited in the Joint Travel Regulations (JTR), 020203 Transportation Types Most Advantageous to the Government, and 020210 Privately Owned Vehicles (POV).

(b) (4) [Redacted]

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(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. P00003		3. EFFECTIVE DATE 25-Jul-2020	4. REQUISITION/PURCHASE REQ. NO. 0011506340	1 3
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408	
			CODE S3306A	SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004	
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020	
CODE 1C6B0		FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
X D. OTHER (Specify type of modification and authority) IAW Dept. of Commerce Authorization to Dept. of Defense dated 8 July 2020				
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6)				
<p>The purpose of this modification is to add the Defense Priorities and Allocations System (DPAS) rating of "DO-H5" to this Agreement in accordance with 15 CFR 700 and the rating authorization from the Department of Commerce to the Department of Defense dated 8 July 2020.</p> <p>SEE CONTINUATION PAGES FOR SUMMARY OF CHANGES</p>				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			TEL: (b) (6) EMAIL: (b) (6)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	
(Signature of person authorized to sign)			BY (b) (6)	
			(Signature of Contracting Officer)	
			16C. DATE SIGNED 25-Jul-2020	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

MODIFICATION P00003

On July 8, 2020, the Department of Commerce (DoC) authorized the Department of Defense (DoD) to use the "DO-H5" priority rating on Joint Acquisition Task Force (JATF) and Operation Warp Speed (OWS) contracts or orders to support private domestic production through 31 July 2022. JATF and OWS projects are designed to ramp up and expand domestic production capacity of critical health and medical resources in response to the coronavirus (COVID-19) pandemic, and are funded through the Defense Production Act of 1950 (DPA) Title III authority, Coronavirus Aid, Relief, and Economic Security (CARES) Act, and/or other Health & Human Services (HHS) funding sources.

The "DO-H5" code is authorized in the rating of Industrial Resources-Services (defined below). The use of flow-down rating is limited to only Industrial Resources-Services as defined. The "DO-H5" code is NOT authorized in the rating of Health Resources (defined below).

a. The elements required for all rated orders are as follows:

- i. Appropriate Priority Rating and Program Identification Symbol: DO-H5**
- ii. Required Delivery Dates/Period of Performance: (b) (4)**
- iii. Written signature: provided in the original Agreement**
- iv. Statement: This is a rated order certified for national defense use and you are required to follow all the provisions of the Defense Priorities and Allocations System regulations (15 CFR part 700).**
- v. Additional element for emergency preparedness: This rated order is placed for the purpose of emergency preparedness. It must be accepted or rejected within 15 working days of receipt of order. This language shall flow down to subawards for Industrial Resources-Services only.**

b. Definitions:

"Industrial Resources" means materials, services, processes, or manufacturing equipment (including the processes, technologies, and ancillary services for the use of such equipment) needed to establish or maintain an efficient and modern national defense industrial base.

"Materials" includes –

(A) any raw materials (including minerals, metals, and advanced processed materials), commodities, articles, components (including critical components), products, and items of supply; and

(B) any technical information or services ancillary to the use of any such materials, commodities, articles, components, products, or items.

“Services” includes any effort that is needed for or incidental to –

(A) the development, production, processing, distribution, delivery, or use of an industrial resource or a critical technology item;

(B) the construction of facilities;

(C) the movement of individuals and property by all modes of civil transportation; Or

(D) other national defense programs and activities.

“Health resources” means drugs, biological products, medical devices, materials, facilities, health supplies, services and equipment required to diagnose, mitigate or prevent the impairment of, improve, treat, cure, or restore the physical or mental health conditions of the population.

- c. **The DPAS rating is to be used only for Industrial Resources – Services and not for Health Resources as defined above.**

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. P00004		3. EFFECTIVE DATE 10-Aug-2020	4. REQUISITION/PURCHASE REQ. NO. 0011506340	1 3
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408	
			CODE S3306A	SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004	
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020	
CODE 1C6B0		FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
X D. OTHER (Specify type of modification and authority) IAW Department of Commerce authorization to Dept. of Defense dated 8 JUL 2020				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6)				
The purpose of this modification is to add the Defense Priorities and Allocations System (DPAS) rating of "DO-H5" to this Agreement in accordance with 15 CFR 700 and the rating authorization from the Department of Commerce to the Department of Defense dated 8 July 2020. This modification includes revised language to Modification P00003. The "DO-H5" code is authorized in the rating of Industrial Resources-Materials and Industrial Resources-Services. SEE CONTINUATION PAGES FOR SUMMARY OF CHANGES				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			(b) (6) / CONTRACTING OFFICER	
			TEL: (b) (6) EMAIL: (b) (6)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. (b) (6)	16C. DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Officer)	09-Aug-2020

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

MODIFICATION P00004

The language in Modification P00003 is hereby revised as follows:

On July 8, 2020, the Department of Commerce (DoC) authorized the Department of Defense (DoD) to use the "DO-H5" priority rating on Joint Acquisition Task Force (JATF) and Operation Warp Speed (OWS) contracts or orders to support private domestic production through 31 July 2022. JATF and OWS projects are designed to ramp up and expand domestic production capacity of critical health and medical resources in response to the coronavirus (COVID-19) pandemic, and are funded through the Defense Production Act of 1950 (DPA) Title III authority, Coronavirus Aid, Relief, and Economic Security (CARES) Act, and/or other Health & Human Services (HHS) funding sources.

The "DO-H5" code is authorized in the rating of Industrial Resources-Materials and Industrial Resources-Services (each as defined below). The use of flow-down rating is limited to Industrial Resources-Materials and Industrial Resources-Services (each as defined below). The "DO-H5" code is NOT authorized in the rating of Health Resources (as defined below).

a. The elements required for all rated orders are as follows:

- i. Appropriate Priority Rating and Program Identification Symbol: DO-H5**
- ii. Required Delivery Dates/Period of Performance: (b) (4)**
- iii. Written signature: provided in the original Agreement**
- iv. Statement: This is a rated order certified for national defense use and you are required to follow all the provisions of the Defense Priorities and Allocations System regulations (15 CFR part 700).**
- v. Additional element for emergency preparedness: This rated order is placed for the purpose of emergency preparedness. It must be accepted or rejected within 15 working days of receipt of order. This language shall flow down to subawards for Industrial Resources-Materials and Industrial Resources-Services only.**

b. Definitions:

"Industrial Resources" means materials, services, processes, or manufacturing equipment (including the processes, technologies, and ancillary services for the use of such equipment) needed to establish or maintain an efficient and modern national defense industrial base.

"Materials" includes –

(A) any raw materials (including minerals, metals, and advanced processed materials), commodities, articles, components (including critical components), products, and items of supply; and

(B) any technical information or services ancillary to the use of any such materials, commodities, articles, components, products, or items.

“Services” includes any effort that is needed for or incidental to –

(A) the development, production, processing, distribution, delivery, or use of an industrial resource or a critical technology item;

(B) the construction of facilities;

(C) the movement of individuals and property by all modes of civil transportation; Or

(D) other national defense programs and activities.

“Health resources” means drugs, biological products, medical devices, materials, facilities, health supplies, services and equipment required to diagnose, mitigate or prevent the impairment of, improve, treat, cure, or restore the physical or mental health conditions of the population.

- c. The DPAS rating is to be used only for Industrial Resources – Materials and Industrial Resources – Services and not for Health Resources (each as defined above).**

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. P00005		3. EFFECTIVE DATE 08-Sep-2020	4. REQUISITION/PURCHASE REQ. NO. 0011506340	1 2
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408	5. PROJECT NO.(If applicable) S3306A SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004	
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020	
CODE 1C6B0		FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6)				
The purpose of this modification is to change the primary BARDA Program Manager for this Technology Investment Agreement from Mr. Joseph Figlio to Ms. Aminata Alharazim. Joseph Figlio will remain on this Technology Investment Agreement as the alternate BARDA Program Manager.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			(b) (6) / CONTRACTING OFFICER	
			TEL: (b) (6) EMAIL: (b) (6)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	
_____ (Signature of person authorized to sign)			BY (b) (6)	
			(Signature of Contracting Officer)	
			16C. DATE SIGNED 08-Sep-2020	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:
MODIFICATION P00005

The contact information for Ms. (b) (6) is as follows:

BARDA Program Manager (Primary):

(b) (6)

Project Officer

Pharmaceutical Countermeasures Infrastructure (PCI)

Biomedical Advanced Research and Development Authority (BARDA)

Office of the Assistant Secretary for Preparedness and Response (ASPR)

U.S. Department of Health and Human Services (HHS)

330 Independence Avenue, SW, Room G644

Washington, D.C. 20201

(b) (6)

(b) (6)

(b) (6)

BARDA Program Manager (Alternate):

(b) (6)

Biomedical Advanced Research and Development Authority (BARDA)

Office of the Assistant Secretary for Preparedness and Response (ASPR)

U.S. Department of Health and Human Services (HHS)

Washington, D.C.

(b) (6)

(b) (6)

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. P00006		3. EFFECTIVE DATE 21-Sep-2020	4. REQUISITION/PURCHASE REQ. NO. 0011506340		1 16
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408		5. PROJECT NO.(If applicable) S3306A SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004		
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020		
CODE 1C6B0		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) Unilateral; IAW DPAS Rating Approval dated 2 SEP 2020 & Additional Requirements					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6)					
<p>The purpose of this modification is to apply the approved DPAS rating of "DO-H5" to the Technology Investment Agreement (TIA), and incorporate additional requirements. This TIA was previously granted a DPAS priority rating by DoD, but DoD did not follow the formal DPA approval process, and consequently, the previously approved rating was removed.</p> <p>SEE CONTINUATION PAGES FOR SUMMARY OF CHANGES</p>					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			TEL: (b) (6) EMAIL: (b) (6)		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. BY (b) (6)		16C. DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Officer)		21-Sep-2020

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

MODIFICATION P00006

- (1) The purpose of this modification is to apply the approved DPAS rating of “DO-H5” to the Technology Investment Agreement (TIA), and incorporate additional requirements as cited below. The approved DPAS rating memorandum dated 2 September 2020 is incorporated as Attachment 1 to this modification.
- (2) Corning, Inc. and the Government will negotiate and finalize the specific plan and costs for these additional requirements as applicable to the TIA no later than (b) (4).
- (3) The pending TIA Collaboration Plan between Corning, Inc. and the Government will also be finalized no later than (b) (4). The Government collaboration partners include the Department of Health and Human Services (HHS), the Department of Defense (DoD), ACC (APG) RTP, JPEO, BARDA, DCMA, the USACE, and the Operation Warp Speed Committee directed by General Perna. Additional Government partners may be added later, and will be incorporated into the Collaboration Plan at that time.

DPAS Rating:

The “DO-H5” code is authorized in the rating of Industrial Resources-Materials and Industrial Resources-Services (each as defined below). The use of flow-down rating is limited to Industrial Resources-Materials and Industrial Resources-Services (each as defined below). The “DO-H5” code is NOT authorized in the rating of Health Resources (as defined below).

a. The elements required for all rated orders are as follows:

- i. Appropriate Priority Rating and Program Identification Symbol: DO-H5**
- ii. Required Delivery Dates/Period of Performance: (b) (4)**
- iii. Written signature: provided in the original Agreement**
- iv. Statement: This is a rated order certified for national defense use and you are required to follow all the provisions of the Defense Priorities and Allocations System regulations (15 CFR part 700).**
- v. Additional element for emergency preparedness: This rated order is placed for the purpose of emergency preparedness. It must be accepted or rejected within two (2) working days of receipt of order. This language shall flow down to subawards for Industrial Resources-Materials and Industrial Resources-Services only.**

b. Definitions:

“Industrial Resources” means materials, services, processes, or manufacturing equipment (including the processes, technologies, and ancillary services for the use of such equipment) needed to establish or maintain an efficient and modern national defense industrial base.

“Materials” includes –

(A) any raw materials (including minerals, metals, and advanced processed materials), commodities, articles, components (including critical components), products, and items of supply; and

(B) any technical information or services ancillary to the use of any such materials, commodities, articles, components, products, or items.

“Services” includes any effort that is needed for or incidental to –

(A) the development, production, processing, distribution, delivery, or use of an industrial resource or a critical technology item;

(B) the construction of facilities;

(C) the movement of individuals and property by all modes of civil transportation; Or

(D) other national defense programs and activities.

“Health resources” means drugs, biological products, medical devices, materials, facilities, health supplies, services and equipment required to diagnose, mitigate or prevent the impairment of, improve, treat, cure, or restore the physical or mental health conditions of the population.

- c. The DPAS rating is to be used only for Industrial Resources – Materials and Industrial Resources – Services and not for Health Resources (each as defined above).**

Additional Requirements:

Supply Chain Resiliency Plan

Manufacturing Data Requirements

Product Development Source Material and Manufacturing Reports and Projections

Contractor Locations

Security Requirements

Key Personnel Requirements

Information Assurance (Disclosure, Publications, Confidentiality)

Organizational Conflicts of Interest

Supply Chain Resiliency Plan

The contractor shall develop and submit within 30 calendar days of contract award, a comprehensive Supply Chain Resiliency Program that provides identification and reporting of critical components associated with the secure supply of drug substance, drug product, and work-in-process through to finished goods.

- a) A critical component is defined as any material that is essential to the product or the manufacturing process associated with that product. Included in the definition are consumables and disposables associated with manufacturing. NOT included in the definition are facility and capital equipment.

Consideration of critical components includes the evaluation and potential impact of raw materials, excipients, active ingredients, substances, pieces, parts, software, firmware, labeling, assembly, testing, analytical and environmental componentry, reagents, or utility materials which are used in the manufacturing of a drug, cell banks,

seed stocks, devices and key processing components and equipment. A clear example of a critical component is one where a sole supplier is utilized.

The contractor shall identify key equipment suppliers, their locations, local resources, and the associated control processes at the time of award. This document shall address planning and scheduling for active pharmaceutical ingredients, upstream, downstream, component assembly, finished drug product and delivery events as necessary for the delivery of product.

- a) Communication for these requirements shall be updated as part of an annual review, or as necessary, as part of regular contractual communications.
- b) For upstream and downstream processing, both single-use and re-usable in-place processing equipment, and manufacturing disposables also shall be addressed. For finished goods, the inspection, labeling, packaging, and associated machinery shall be addressed taking into account capacity capabilities.
- c) The focus on the aspects of resiliency shall be on critical components and aspects of complying with the contractual delivery schedule. Delivery methods shall be addressed, inclusive of items that are foreign-sourced, both high and low volume, which would significantly affect throughput and adherence to the contractually agreed deliveries.

The contractor shall articulate in the plan, the methodology for inventory control, production planning, scheduling processes and ordering mechanisms, as part of those agreed deliveries.

- a) Production rates and lead times shall be understood and communicated to the Contracting Officer or the Contracting Officer's Representative as necessary.
- b) Production throughput critical constraints should be well understood by activity and by design, and communicated to contractual personnel. As necessary, communication should focus on identification, exploitation, elevation, and secondary constraints of throughput, as appropriate.

Reports for critical items should include the following information:

- a) Critical Material
- b) Vendor
- c) Supplier, Manufacturing / Distribution Location
- d) Supplier Lead Time
- e) Shelf Life
- f) Transportation / Shipping restrictions

The CO and COR reserve the right to request un-redacted copies of technical documents, during the period of performance, for distribution within the Government. Documents shall be provided within ten (10) days after CO issues the request. The Contractor may arrange for additional time if deemed necessary, and agreed to by the CO.

Manufacturing Data Requirements

The Contractor shall submit within 30 calendar days of contract award detailed data regarding project materials, sources, and manufacturing sites, including but not limited to: physical locations of sources of raw and processed material by type of material; location and nature of work performed at manufacturing, processing, and fill/finish sites; and location and nature of non-clinical and clinical studies sites. The Government may provide a table in tabular format for Contractor to be used to submit such data which would include but not be limited to the following:

- Storage/inventory of ancillary materials (vials, needles, syringes, etc.)
- Shipment of ancillary materials (vials, needles, syringes, etc.)
- Disposal of ancillary materials (vials, needles, syringes, etc.)
- Seed development or other starting material manufacturing
- Bulk drug substance and/or adjuvant production

- Fill, finish, and release of product or adjuvant
- Storage/inventory of starting materials, bulk substance, or filled/final product or adjuvant
- Stability information of bulk substance and/or finished product
- Shipment of bulk substance of final product
- Disposal of bulk substance or final product

Product Development Source Material and Manufacturing Reports and Projections

The Contractor shall submit a detailed spreadsheet regarding critical project materials that are sourced from a location other than the United States, sources, and manufacturing sites, including but not limited to: physical locations of sources of raw and processed material by type of material; location and nature of work performed at manufacturing sites; and location and nature of non-clinical and clinical study sites.

The Contractor will provide manufacturing reports and manufacturing dose tracking projections/actuals utilizing the “COVID-19 Dose Tracking Templates”, on any contract/agreement that is manufacturing product

- Contractor will submit Product Development Source Material Report
 - Within month of contract award
 - Within 30 days of substantive changes are made to sources and/or materials
 - Or on the 6th month contract anniversary.
- Contractor will update the Dose Tracking Template weekly, during manufacturing campaigns and COVID response, with the first deliverable submission within 15 days of award/modification
- The Government will provide written comments to the Product Development Source Material and Manufacturing Report within 15 business days after the submission
- If corrective action is recommended, Contractor must address all concerns raised by the Government in writing

Contractor Locations

The contractor shall submit detailed data regarding locations where work will be performed under this contract, including addresses, points of contact, and work performed per location, to include sub-contractors.

Contractor will submit Work Locations Report:

- Within 5 business days of contract award
- Within 30 business days after a substantive location or capabilities change
- Within 2 business days of a substantive change if the work performed supports medical countermeasure development that addresses a threat that has been declared a Public Health Emergency by the HHS Secretary or a Public Health Emergency of International Concern (PHEIC) by the WHO

Access and General Protection/Security Policy and Procedures

This standard language text is applicable to ALL employees working on critical information related to Operation Warp Speed (OWS), and to those with an area of performance within a Government controlled installation, facility or area. Employees shall comply with applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative). The performer also shall provide all information required for background checks necessary to access critical information related to OWS, and to meet Government installation access requirements to be accomplished by installation Director of Emergency Services or Security Office. The workforce must comply with all personnel identity verification requirements as directed by the Government and/or local policy. In addition to the changes otherwise authorized by the changes clause of this agreement, should the security status of OWS change the Government may require changes in performer security matters or processes. In addition to the industry standards for employment background checks, The Contractor must be willing to have key individuals, in exceptionally sensitive positions, identified for additional vetting by the United States Government.

Operational Security (OPSEC)

The performer shall develop an OPSEC Standard Operating Procedure (SOP)/Plan within ninety (90)-calendar-days of project award to be reviewed and approved by the responsible Government OPSEC officer. This plan will be submitted to the COR for coordination of approvals. This SOP/Plan will include identifying the critical information related to this contract, why it needs to be protected, where it is located, who is responsible for it, and how to protect it.

Security Plan

The contractor shall develop a comprehensive security program that provides overall protection of personnel, information, data, and facilities associated with fulfilling the Government requirement. This plan shall establish security practices and procedures that demonstrate how the contractor will meet and adhere to the security requirements outlined below prior to the commencement of product manufacturing, and shall be delivered to the Government within 30 calendar days of award. The contractor shall also ensure all subcontractors, consultants, researchers, etc. performing work on behalf of this effort, comply with all Government security requirements and prime contractor security plans.

- a) The Government will review in detail and submit comments within ten (10) business days to the Contracting Officer (CO) to be forwarded to the Contractor. The Contractor shall review the Draft Security Plan comments, and, submit a Final Security Plan to the U.S. Government within thirty (10) calendar days after receipt of the comments.
- b) The Security Plan shall include a timeline for compliance of all the required security measures outlined by the Government.
- c) Upon completion of initiating all security measures, the Contractor shall supply to the Contracting Officer a letter certifying compliance to the elements outlined in the Final Security Plan.

At a minimum, the Final Security Plan shall address the following items:

Security Requirements:

1. Facility Security Plan	
Description: As part of the partner facility's overall security program, the contractor shall submit a written security plan with their proposal to the Government for review and approval by Government security subject matter experts. The performance of work under the contract will be in accordance with the approved security plan. The security plan will include the following processes and procedures at a minimum:	
Security Administration	<ul style="list-style-type: none"> • organization chart and responsibilities • written security risk assessment for site • threat levels with identification matrix (High, Medium, or Low) • enhanced security procedures during elevated threats • liaison procedures with law enforcement • annual employee security education and training program
Personnel Security	<ul style="list-style-type: none"> • policies and procedures • candidate recruitment process • background investigations process • employment suitability policy • employee access determination • rules of behavior/ conduct • termination procedures • non-disclosure agreements
Physical Security Policies and Procedures	<ul style="list-style-type: none"> • internal/external access control • protective services • identification/badging • employee and visitor access controls

	<ul style="list-style-type: none"> • parking areas and access control • perimeter fencing/barriers • product shipping, receiving and transport security procedures • facility security lighting • restricted areas • signage • intrusion detection systems • alarm monitoring/response • closed circuit television • product storage security • other control measures as identified
Information Security	<ul style="list-style-type: none"> • identification and marking of sensitive information • access control • storage of information • document control procedures • retention/ destruction requirements
Information Technology/Cyber Security Policies and Procedures	<ul style="list-style-type: none"> • intrusion detection and prevention systems • threat identification • employee training (initial and annual) • encryption systems • identification of sensitive information/media • password policy (max days 90) • lock screen time out policy (minimum time 20 minutes) • removable media policy • laptop policy • removal of IT assets for domestic/foreign travel • access control and determination • VPN procedures • WiFi and Bluetooth disabled when not in use • system document control • system backup • system disaster recovery • incident response • system audit procedures • property accountability
<p>2. Site Security Master Plan Description: The partner facility shall provide a site schematic for security systems which includes: main access points; security cameras; electronic access points; IT Server Room; Product Storage Freezer/Room; and bio-containment laboratories.</p>	
<p>3. Site Threat / Vulnerability / Risk Assessment Description: The partner facility shall provide a written risk assessment for the facility addressing: criminal threat, including crime data; foreign/domestic terrorist threat; industrial espionage; insider threats; natural disasters; and potential loss of critical infrastructure (power/water/natural gas, etc.) This assessment shall include recent data obtained from local law enforcement agencies. The assessment should be updated annually.</p>	
<p>4. Physical Security Description:</p>	
Closed Circuit Television (CCTV) Monitoring	<p>a) Layered (internal/external) CCTV coverage with time-lapse video recording for buildings and areas where critical assets are processed or stored.</p>

	<ul style="list-style-type: none"> b) CCTV coverage must include entry and exits to critical facilities, perimeters, and areas within the facility deemed critical to the execution of the contract. c) Video recordings must be maintained for a minimum of 30 days. d) CCTV surveillance system must be on emergency power backup. e) CCTV coverage must include entry and exits to critical facilities, perimeters, and areas within the facility deemed critical to the execution of the contract. f) Video recordings must be maintained for a minimum of 30 days. g) CCTV surveillance system must be on emergency power backup.
Facility Lighting	<ul style="list-style-type: none"> a) Lighting must cover facility perimeter, parking areas, critical infrastructure, and entrances and exits to buildings. b) Lighting must have emergency power backup. c) Lighting must be sufficient for the effective operation of the CCTV surveillance system during hours of darkness.
Shipping and Receiving	<ul style="list-style-type: none"> a) Must have CCTV coverage and an electronic access control system. b) Must have procedures in place to control access and movement of drivers picking up or delivering shipments. c) Must identify drivers picking up Government products by government issued photo identification.
Access Control	<ul style="list-style-type: none"> a) Must have an electronic intrusion detection system with centralized monitoring. b) Responses to alarms must be immediate and documented in writing. c) Employ an electronic system (i.e., card key) to control access to areas where assets critical to the contract are located (facilities, laboratories, clean rooms, production facilities, warehouses, server rooms, records storage, etc.). d) The electronic access control should signal an alarm notification of unauthorized attempts to access restricted areas. e) Must have a system that provides a historical log of all key access transactions and kept on record for a minimum of 12 months. f) Must have procedures in place to track issuance of access cards to employees and the ability to deactivate cards when they are lost or an employee leaves the company. g) Response to electronic access control alarms must be immediate and documented in writing and kept on record for a minimum of 12 months. h) Should have written procedures to prevent employee piggybacking access i) to critical infrastructure (generators, air handlers, fuel storage, etc.) should be controlled and limited to those with a legitimate need for access. j) Must have a written manual key accountability and inventory process. k) Physical access controls should present a layered approach to critical assets within the facility.
Employee/Visitor Identification	<ul style="list-style-type: none"> a) Should issue company photo identification to all employees. b) Photo identification should be displayed above the waist anytime the employee is on company property. c) Visitors should be sponsored by an employee and must present government issued photo identification to enter the property. d) Visitors should be logged in and out of the facility and should be escorted by an employee while on the premises at all times.
Security Fencing	Requirements for security fencing will be determined by the criticality of the program, review of the security plan, threat assessment, and onsite security assessment.

Protective Security Forces	Requirements for security officers will be determined by the criticality of the program, review of the security plan, threat assessment, and onsite security assessment.
Protective Security Forces Operations	<ul style="list-style-type: none"> a) Must have in-service training program. b) Must have Use of Force Continuum. c) Must have communication systems available (i.e., landline on post, cell phones, handheld radio, and desktop computer). d) Must have Standing Post Orders. e) Must wear distinct uniform identifying them as security officers.
5. Security Operations	
Description:	
Information Sharing	<ul style="list-style-type: none"> a) Establish formal liaison with law enforcement. b) Meet in person at a minimum annually. Document meeting notes and keep them on file for a, minimum of 12 months. POC information for LE Officer that attended the meeting must be documented. c) Implement procedures for receiving and disseminating threat information.
Training	<ul style="list-style-type: none"> a) Conduct new employee security awareness training. b) Conduct and maintain records of annual security awareness training.
Security Management	<ul style="list-style-type: none"> a) Designate a knowledgeable security professional to manage the security of the facility. b) Ensure subcontractor compliance with all Government security requirements.
6. Personnel Security	
Description:	
Records Checks	Verification of social security number, date of birth, citizenship, education credentials, five-year previous employment history, five-year previous residence history, FDA disbarment, sex offender registry, credit check based upon position within the company; motor vehicle records check as appropriate; and local/national criminal history search.
Hiring and Retention Standards	<ul style="list-style-type: none"> a) Detailed policies and procedures concerning hiring and retention of employees, employee conduct, and off boarding procedures. b) Off Boarding procedures should be accomplished within 24 hour of employee leaving the company. This includes termination of all network access.
7. Information Security	
Description:	
Physical Document Control	<ul style="list-style-type: none"> a) Applicable documents shall be identified and marked as procurement sensitive, proprietary, or with appropriate government markings. b) Sensitive, proprietary, and government documents should be maintained in a lockable filing cabinet/desk or other storage device and not be left unattended. c) Access to sensitive information should be restricted to those with a need to know.
Document Destruction	Documents must be destroyed using approved destruction measures (i.e, shredders/approved third party vendors / pulverizing / incinerating).
8. Information Technology & Cybersecurity	
Description:	
Identity Management	<ul style="list-style-type: none"> a) Physical devices and systems within the organization are inventoried and accounted for annually. b) Organizational cybersecurity policy is established and communicated. c) Asset vulnerabilities are identified and documented.

	<ul style="list-style-type: none"> d) Cyber threat intelligence is received from information sharing forums and sources. e) Threats, vulnerabilities, likelihoods, and impacts are used to determine risk. f) Identities and credentials are issued, managed, verified, revoked, and audited for authorized devices, users and processes. g) Users, devices, and other assets are authenticated (e.g., single-factor, multifactor) commensurate with the risk of the transaction (e.g., individuals' security and privacy risks and other organizational risks)
Access Control	<ul style="list-style-type: none"> a) Limit information system access to authorized users. b) Identify information system users, processes acting on behalf of users, or devices and authenticate identities before allowing access. c) Limit physical access to information systems, equipment, and server rooms with electronic access controls. d) Limit access to/ verify access to use of external information systems.
Training	<ul style="list-style-type: none"> a) Ensure that personnel are trained and are made aware of the security risks associated with their activities and of the applicable laws, policies, standards, regulations, or procedures related to information technology systems.
Audit and Accountability	<ul style="list-style-type: none"> a) Create, protect, and retain information system audit records to the extent needed to enable the monitoring, analysis, investigation, and reporting of unlawful, unauthorized, or inappropriate system activity. Records must be kept for minimum must be kept for 12 months. b) Ensure the actions of individual information system users can be uniquely traced to those users. c) Update malicious code mechanisms when new releases are available. d) Perform periodic scans of the information system and real time scans of files from external sources as files are downloaded, opened, or executed.
Configuration Management	<ul style="list-style-type: none"> a) Establish and enforce security configuration settings. b) Implement sub networks for publically accessible system components that are physically or logically separated from internal networks.
Contingency Planning	<ul style="list-style-type: none"> a) Establish, implement, and maintain plans for emergency response, backup operations, and post-disaster recovery for information systems to ensure the availability of critical information resources at all times.
Incident Response	<ul style="list-style-type: none"> a) Establish an operational incident handling capability for information systems that includes adequate preparation, detection, analysis, containment, and recovery of cybersecurity incidents. Exercise this capability annually.
Media and Information Protection	<ul style="list-style-type: none"> a) Protect information system media, both paper and digital. b) Limit access to information on information systems media to authorized users. c) Sanitize and destroy media no longer in use. d) Control the use of removable media through technology or policy.
Physical and Environmental Protection	<ul style="list-style-type: none"> a) Limit access to information systems, equipment, and the respective operating environments to authorized individuals. b) Intrusion detection and prevention system employed on IT networks. c) Protect the physical and support infrastructure for all information systems. d) Protect information systems against environmental hazards. e) Escort visitors and monitor visitor activity.
Network Protection	Employ intrusion prevention and detection technology with immediate analysis capabilities.

9. Transportation Security	
Description: Adequate security controls must be implemented to protect materials while in transit from theft, destruction, manipulation, or damage.	
Drivers	<ul style="list-style-type: none"> a) Drivers must be vetted in accordance with Government Personnel Security Requirements. b) Drivers must be trained on specific security and emergency procedures. c) Drivers must be equipped with backup communications. d) Driver identity must be 100 percent confirmed before the pick-up of any Government product. e) Drivers must never leave Government products unattended, and two drivers may be required for longer transport routes or critical products during times of emergency. f) Truck pickup and deliveries must be logged and kept on record for a minimum of 12 months.
Transport Routes	<ul style="list-style-type: none"> a) Transport routes should be pre-planned and never deviated from except when approved or in the event of an emergency. b) Transport routes should be continuously evaluated based upon new threats, significant planned events, weather, and other situations that may delay or disrupt transport.
Product Security	<ul style="list-style-type: none"> a) Government products must be secured with tamper resistant seals during transport, and the transport trailer must be locked and sealed. <ul style="list-style-type: none"> • Tamper resistant seals must be verified as “secure” after the product is placed in the transport vehicle. b) Government products should be continually monitored by GPS technology while in transport, and any deviations from planned routes should be investigated and documented. c) Contingency plans should be in place to keep the product secure during emergencies such as accidents and transport vehicle breakdowns.
10. Security Reporting Requirements	
Description: The partner facility shall notify the Government Security Team within 24 hours of any activity or incident that is in violation of established security standards or indicates the loss or theft of government products. The facts and circumstances associated with these incidents will be documented in writing for government review.	
11. Security Audits	
Description: The partner facility agrees to formal security audits conducted at the discretion of the government. Security audits may include both prime and subcontractor.	

Key Personnel

Any key personnel specified in this contract are considered to be essential to work performance. At least thirty (30) calendar days prior to the Contractor voluntarily diverting any of the specified individuals to other programs or contracts the Contractor shall notify the Contracting Officer and shall submit a justification for the diversion or replacement and a request to replace the individual. The request must identify the proposed replacement and provide an explanation of how the replacement's skills, experience, and credentials meet or exceed the requirements of the contract (including, when applicable, Human Subjects Testing requirements). If the employee of the Contractor is terminated for cause or separates from the Contractor voluntarily with less than thirty (30) calendar-day notice, the Contractor shall provide the maximum notice practicable under the circumstances. The Contractor shall not divert, replace, or announce any such change to key personnel without the written consent of the Contracting Officer. The contract will be modified to add or delete key personnel as necessary to reflect the agreement of the parties. The following individuals are determined to be key personnel:

Substitution of Key Personnel

The Contractor agrees to assign to the contract those persons whose resumes/CVs were submitted with the proposal who are necessary to fill the requirements of the contract. No substitutions shall be made except in accordance with this clause.

All requests for substitution must provide a detailed explanation of the circumstance necessitating the proposed substitution, a complete resume for the proposed substitute and any other information requested by the contracting officer to approve or disapprove the proposed substitution. All proposed substitutes must have qualifications that are equal to or higher than the qualifications of the person to be replaced. The contracting officer or authorized representative will evaluate such requests and promptly notify the contractor of his approval or disapproval thereof. The contractor further agrees to include the substance of this clause in any subcontract, which may be awarded under this contract.

Disclosure of Information

Performance under this contract may require the Contractor to access non-public data and information proprietary to a Government agency, another Government Contractor or of such nature that its dissemination or use other than as specified in the work statement would be adverse to the interests of the Government or others. Neither the Contractor, nor Contractor personnel, shall divulge nor release data nor information developed or obtained under performance of this contract, except authorized by Government personnel or upon written approval of the CO in accordance with OWS or other Government policies and/or guidance. The Contractor shall not use, disclose, or reproduce proprietary data that bears a restrictive legend, other than as specified in this contract, or any information at all regarding this agency.

The Contractor shall comply with all Government requirements for protection of non-public information. Unauthorized disclosure of nonpublic information is prohibited by the Government's rules. Unauthorized disclosure may result in termination of the contract, replacement of a Contractor employee, or other appropriate redress. Neither the Contractor nor the Contractor's employees shall disclose or cause to be disseminated, any information concerning the operations of the activity, which could result in, or increase the likelihood of, the possibility of a breach of the activity's security or interrupt the continuity of its operations.

No information related to data obtained under this contract shall be released or publicized without the prior written consent of the COR, whose approval shall not be unreasonably withheld, conditioned, or delayed, provided that no such consent is required to comply with any law, rule, regulation, court ruling or similar order; for submission to any government entity' for submission to any securities exchange on which the Contractor's (or its parent corporation's) securities may be listed for trading; or to third parties relating to securing, seeking, establishing or maintaining regulatory or other legal approvals or compliance, financing and capital raising activities, or mergers, acquisitions, or other business transactions.

Publications and Publicity

The contractor shall not release any reports, manuscripts, press releases, or abstracts about the work being performed under this contract without written notice in advance to the Government.

(a) Unless otherwise specified in this contract, the contractor may publish the results of its work under this contract. The contractor shall promptly send a copy of each submission to the COR for security review prior to submission. The contractor shall also inform the COR when the abstract article or other publication is published, and furnish a copy of it as finally published.

(b) Unless authorized in writing by the CO, the contractor shall not display Government logos including Operating Division or Staff Division logos on any publications.

(c) The contractor shall not reference the products(s) or services(s) awarded under this contract in commercial advertising, as defined in FAR 31.205-1, in any manner which states or implies Government approval or endorsement of the product(s) or service(s) provided.

(d) The contractor shall include this clause, including this section (d) in all subcontracts where the subcontractor may propose publishing the results of its work under the subcontract. The contractor shall acknowledge the support of the Government whenever publicizing the work under this contract in any media by including an acknowledgement substantially as follows:

"This project has been funded in whole or in part by the U.S. Government under W911NF-20-3-0004. The US Government is authorized to reproduce and distribute reprints for Governmental purposes notwithstanding any copyright notation thereon."

Confidentiality of Information

a. Confidential information, as used in this article, means information or data of a personal nature about an individual, or proprietary information or data submitted by or pertaining to an institution or organization.

b. The Contracting Officer and the Contractor may, by mutual consent, identify elsewhere in this contract specific information and/or categories of information which the Government will furnish to the Contractor or that the Contractor is expected to generate which is confidential. Similarly, the Contracting Officer and the Contractor may, by mutual consent, identify such confidential information from time to time during the performance of the contract. Failure to agree will be settled pursuant to the "Disputes" clause.

c. If it is established elsewhere in this contract that information to be utilized under this contract, or a portion thereof, is subject to the Privacy Act, the Contractor will follow the rules and procedures of disclosure set forth in the Privacy Act of 1974, 5 U.S.C. 552a, and implementing regulations and policies, with respect to systems of records determined to be subject to the Privacy Act.

d. Confidential information, as defined in paragraph (a) of this article, shall not be disclosed without the prior written consent of the individual, institution, or organization.

e. Whenever the Contractor is uncertain with regard to the proper handling of material under the contract, or if the material in question is subject to the Privacy Act or is confidential information subject to the provisions of this article, the Contractor shall obtain a written determination from the Contracting Officer prior to any release, disclosure, dissemination, or publication.

f. Contracting Officer Determinations will reflect the result of internal coordination with appropriate program and legal officials.

g. The provisions of paragraph (d) of this article shall not apply to conflicting or overlapping provisions in other Federal, State or local laws.

All above requirements MUST be passed to all Sub-contractors.

Organizational Conflicts of Interest

Performance under this contract may create an actual or potential organizational conflict of interest such as are contemplated by FAR Part 9.505-General Rules. The Contractor shall not engage in any other contractual or other activities which could create an organizational conflict of interest (OCI). This provision shall apply to the prime Contractor and all sub-Contractors. This provision shall have effect throughout the period of performance of this contract, any extensions thereto by change order or supplemental agreement, and for two (2) years thereafter. The Government may pursue such remedies as may be permitted by law or this contract, upon determination that an OCI has occurred.

The work performed under this contract may create a significant potential for certain conflicts of interest, as set forth in FAR Parts 9.505-1, 9.505-2, 9.505-3, and 9.505-4. It is the intention of the parties hereto to prevent both the potential for bias in connection with the Contractor's performance of this contract, as well as the creation of any unfair competitive advantage as a result of knowledge gained through access to any non-public data or third party proprietary information.

The Contractor shall notify the Contracting Officer immediately whenever it becomes aware that such access or participation may result in any actual or potential OCI. Furthermore, the Contractor shall promptly submit a plan to the Contracting Officer to either avoid or mitigate any such OCI. The Contracting Officer will have sole discretion in accepting the Contractor's mitigation plan. In the event the Contracting Officer unilaterally determines that any such OCI cannot be satisfactorily avoided or mitigated, other remedies may be taken to prohibit the Contractor from participating in contract requirements related to OCI.

Whenever performance of this contract provides access to another Contractor's proprietary information, the Contractor shall enter into a written agreement with the other entities involved, as appropriate, in order to protect such proprietary information from unauthorized use or disclosure for as long as it remains proprietary; and refrain from using such proprietary information other than as agreed to, for example to provide assistance during technical evaluation of other Contractors' offers or products under this contract. An executed copy of all proprietary information agreements by individual personnel or on a corporate basis shall be furnished to the CO within fifteen (15) calendar days of execution.

Institutional Responsibility Regarding Investigator Conflicts of Interest

The Institution (includes any Contractor, public or private, excluding a Federal agency) shall comply with the requirements of 45 CFR Part 94, Responsible Prospective Contractors, which promotes objectivity in research by establishing standards to ensure that Investigators (defined as the project director or principal Investigator and any other person, regardless of title or position, who is responsible for the design, conduct, or reporting of research funded under Government contracts, or proposed for such funding, which may include, for example, collaborators or consultants) will not be biased by any Investigator financial conflicts of interest. 45 CFR Part 94 is available at the following Web site: <http://www.ecfr.gov/cgi-bin/textidx?c=ecfr&SID=0af84ca649a74846f102aaf664da1623&rgn=div5&view=text&node=45:1.0.1.1.51&idno=>

As required by 45 CFR Part 94, the Institution shall, at a minimum:

a. Maintain an up-to-date, written, enforceable policy on financial conflicts of interest that complies with 45 CFR Part 94, inform each Investigator of the policy, the Investigator's reporting responsibilities regarding disclosure of significant financial interests, and the applicable regulation, and make such policy available via a publicly accessible Web site, or if none currently exist, available to any requestor within five business days of a request. A significant financial interest means a financial interest consisting of one or more of the following interests of the Investigator (and those of the Investigator's spouse and dependent children) that reasonably appears to be related to the Investigator's institutional responsibilities:

1. With regard to any publicly traded entity, a significant financial interest exists if the value of any remuneration received from the entity in the twelve months preceding the disclosure and the value of any equity interest in the entity as of the date of disclosure, when aggregated, exceeds \$5,000. Included are payments and equity interests;

2. With regard to any non-publicly traded entity, a significant financial interest exists if the value of any remuneration received from the entity in the twelve months preceding the disclosure, when aggregated, exceeds \$5,000, or when the Investigator (or the Investigator's spouse or dependent children) holds any equity interest; or

3. Intellectual property rights and interests, upon receipt of income related to such rights and interest.

Significant financial interests do not include the following:

1. Income from seminars, lectures, or teaching, and service on advisory or review panels for Government agencies, Institutions of higher education, academic teaching hospitals, medical centers, or research institutes with an Institution of higher learning; and
 2. Income from investment vehicles, such as mutual funds and retirement accounts, as long as the Investigator does not directly control the investment decisions made in these vehicles.
- b. Require each Investigator to complete training regarding the Institution's financial conflicts of interest policy prior to engaging in research related to any Government funded contract and at least every four years. The Institution must take reasonable steps [see Part 94.4(c)] to ensure that investigators working as collaborators, consultants or subcontractors comply with the regulations.
 - c. Designate an official(s) to solicit and review disclosures of significant financial interests from each Investigator who is planning to participate in, or is participating in, the Government funded research.
 - d. Require that each Investigator who is planning to participate in the Government funded research disclose to the Institution's designated official(s) the Investigator's significant financial interest (and those of the Investigator's spouse and dependent children) no later than the date of submission of the Institution's proposal for Government funded research. Require that each Investigator who is participating in the Government funded research to submit an updated disclosure of significant financial interests at least annually, in accordance with the specific time period prescribed by the Institution during the period of the award as well as within thirty days of discovering or acquiring a new significant financial interest.
 - e. Provide guidelines consistent with the regulations for the designated official(s) to determine whether an Investigator's significant financial interest is related to Government funded research and, if so related, whether the significant financial interest is a financial conflict of interest. An Investigator's significant financial interest is related to Government funded research when the Institution, through its designated official(s), reasonably determines that the significant financial interest: Could be affected by the Government funded research; or is in an entity whose financial interest could be affected by the research. A financial conflict of interest exists when the Institution, through its designated official(s), reasonably determines that the significant financial interest could directly and significantly affect the design, conduct, or reporting of the Government funded research.
 - f. Take such actions as necessary to manage financial conflicts of interest, including any financial conflicts of a subcontractor Investigator. Management of an identified financial conflict of interest requires development and implementation of a management plan and, if necessary, a retrospective review and mitigation report pursuant to Part 94.5(a).
 - g. Provide initial and ongoing FCOI reports to the Contracting Officer pursuant to Part 94.5(b).
 - h. Maintain records relating to all Investigator disclosures of financial interests and the Institution's review of, and response to, such disclosures, and all actions under the Institution's policy or retrospective review, if applicable, for at least 3 years from the date of final payment or, where applicable, for the other time periods specified in 48 CFR Part 4, subpart 4.7, Contract Records Retention.
 - i. Establish adequate enforcement mechanisms and provide for employee sanctions or other administrative actions to ensure Investigator compliance as appropriate.
 - j. Complete the certification in Section K - Representations, Certifications, and Other Statements of Contractors titled "Certification of Institutional Policy on Financial Conflicts of Interest".

If the failure of an Institution to comply with an Institution's financial conflicts of interest policy or a financial conflict of interest management plan appears to have biased the design, conduct, or reporting of the Government funded research, the Institution must promptly notify the Contracting Officer of the corrective action taken or to be taken. The Contracting Officer will consider the situation and, as necessary, take appropriate action or refer the

matter to the Institution for further action, which may include directions to the Institution on how to maintain appropriate objectivity in the Government funded research project.

The Contracting Officer and/or Government may inquire at any time before, during, or after award into any Investigator disclosure of financial interests, and the Institution's review of, and response to, such disclosure, regardless of whether the disclosure resulted in the Institution's determination of a financial conflict of interests. The Contracting Officer may require submission of the records or review them on site. On the basis of this review of records or other information that may be available, the Contracting Officer may decide that a particular financial conflict of interest will bias the objectivity of the Government funded research to such an extent that further corrective action is needed or that the Institution has not managed the financial conflict of interest in accordance with Part 94.6(b). The issuance of a Stop Work Order by the Contracting Officer may be necessary until the matter is resolved.

If the Contracting Officer determines that Government funded clinical research, whose purpose is to evaluate the safety or effectiveness of a drug, medical device, or treatment, has been designed, conducted, or reported by an Investigator with a financial conflict of interest that was not managed or reported by the Institution, the Institution shall require the Investigator involved to disclose the financial conflict of interest in each public presentation of the results of the research and to request an addendum to previously published presentations.

Attachment 1- DPAS Rating Approval Memorandum (2 September 2020)

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. P00007		3. EFFECTIVE DATE 06-Oct-2020	4. REQUISITION/PURCHASE REQ. NO. 0011506340		5. PROJECT NO.(If applicable) 1 2
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408		CODE S3306A SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004		
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020		
CODE 1C6B0		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6) The purpose of this modification is to add an alternate Agreements Officer Representative (AOR) for the Department of Defense and incorporate a toolkit for Operation Warp Speed vendors. SEE CONTINUATION PAGES FOR SUMMARY OF CHANGES					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b) (6) / CONTRACTING OFFICER TEL: (b) (6) EMAIL: (b) (6)		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. (b) (6) B (Signature of Contracting Officer)	
				16C. DATE SIGNED 06-Oct-2020	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

MODIFICATION P00007

██████████ is hereby added as the alternate Agreements Officer Representative for the Department of Defense (DoD). His contact information is as follows:

(b) (6)

Alternate Agreements Officer Representative (Alternate AOR), DoD

Futures Projects

Joint Product Lead

Radiological & Nuclear Defense (JPdL RND)

(b) (6)

The Center for Development of Security Excellence (CDSE) has developed the Operation Warp Speed (OWS) Toolkit for Industry Partners designed for cleared and unclassified industry partners associated with OWS. It provides OWS partners with the resources they need to better protect the important work they are doing. While some of these resources were developed with cleared contractors participating in the National Industrial Security Program in mind, the guidance and information provided apply to any industry partner working on sensitive information that is sought after by an adversary, regardless of classification level or designation.

You do not have to have an account or sign in to CDSE to use the toolkit. The direct link on the cdse.edu public website is: <https://www.cdse.edu/toolkits/ows/index.html>.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. P00008		3. EFFECTIVE DATE 14-Dec-2020	4. REQUISITION/PURCHASE REQ. NO. 0011506340		5. PROJECT NO.(If applicable) 1 2
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408		CODE S3306A SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004		
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020		
CODE 1C6B0		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) Bilateral; IAW Corning, Inc. Request dated 06 NOV 2020 and Government Review					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6)					
The purpose of this modification is to approve a single fully burdened hourly rate for work completed by contractors external to Corning Incorporated in support of W911NF-20-3-0004 for the time period (b) (4).					
SEE CONTINUATION PAGES FOR SUMMARY OF CHANGES					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			TEL: (b) (6) EMAIL: (b) (6)		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)			BY (b) (6)		13-Dec-2020

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:
MODIFICATION P00008

1. The purpose of this modification is to approve a single fully burdened hourly rate for work completed by contractors external to Corning Incorporated in support of W911NF-20-3-0004. This

(b) (4)
W911NF-20-3-0004.

2. Based on the foregoing, the following (b) (4) during the period set forth below is hereby agreed upon and approved for submission:

(b) (4)

3. (b) (4)

4. (b) (4)

5. The supporting data spreadsheet for the initial calculation submitted by Corning is retained in the preaward file and incorporated into this modification as Attachment 1.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. P00009		3. EFFECTIVE DATE 14-Dec-2020	4. REQUISITION/PURCHASE REQ. NO. 0011506340		5. PROJECT NO.(If applicable) 1 2
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408		CODE S3306A SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004		
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020		
CODE 1C6B0		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) Bilateral; IAW Corning, Inc. Request dated 06 NOV 2020 and Government Review					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6)					
The purpose of this modification is to approve a single fully burdened hourly rate for work completed by contractors external to Corning Incorporated in support of W911NF-20-3-0004 for the (b) (4)					
SEE CONTINUATION PAGES FOR SUMMARY OF CHANGES					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			(b) (6)		
15B. CONTRACTOR/OFFEROR			16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)			BY (b) (6)		13-Dec-2020
15C. DATE SIGNED			16C. DATE SIGNED		

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

MODIFICATION P00009

1. The purpose of this modification is to approve a single fully burdened hourly rate for work completed by contractors external to Corning Incorporated in support of W911NF-20-3-0004. (b) (4)

[REDACTED]

[REDACTED]

[REDACTED]

(b) (4)

[REDACTED]

(b) (4)

[REDACTED]

5. The supporting data spreadsheet for the initial calculation submitted by Corning is retained in the preaward file and incorporated into this modification as Attachment 1.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. P00010		3. EFFECTIVE DATE 21-Dec-2020	4. REQUISITION/PURCHASE REQ. NO. 0011506340	1 4
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408	5. PROJECT NO.(If applicable) S3306A SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004	
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020	
CODE 1C6B0		FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
X D. OTHER (Specify type of modification and authority) Bilateral; IAW 32 CFR Part 37				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6)				
The purpose of this modification is to incorporate additional costs for a utilities connection and extension agreement necessary for the completion of the work proposed for the Durham, NC facility.				
SEE CONTINUATION PAGES FOR SUMMARY OF CHANGES				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			TEL: (b) (6) EMAIL (b) (6)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. BY (b) (6)	16C. DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Officer)	21-Dec-2020

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$565,294.00 from \$204,000,000.00 to \$204,565,294.00.

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0001

The estimated/max cost has increased by \$565,294.00 from \$204,000,000.00 to \$204,565,294.00.

The total cost of this line item has increased by \$565,294.00 from \$204,000,000.00 to \$204,565,294.00.

SUBCLIN 000109 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000109	UTILITIES CONNECTION & AGREEMENT				\$0.00
	OTHER DIRECT COST (Utilities Connection & Extension Agreement)				
	Completion of High-Volume Vial/Cartridge Capacity Expansion-				
	Location: Corning Life Sciences Production Facility (Durham, NC)				
	Estimate (Cost Proposal): \$565,294.00.00 (Not to Exceed)				
	This is an informational SUBCLIN.				
				ESTIMATED COST	\$0.00

The following have been added by reference:

252.232-7007	Limitation Of Government's Obligation	APR 2014
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The following have been added by full text:

Note: DFARS 252.232-7007 has been added to this modification to clear an error in the Procurement Desktop Defense contract writing system that cannot be cleared any other way. This clause does not apply to this modification.

(b) (4)

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

PROPOSED COSTS:

The proposed total costs (\$565,294.00 NTE) include (b) (4) :

\$(b) (4)	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
\$ 565,294.00	Total

FUNDING: Funding for the additional costs cited under SUBCLIN 000109 will be made available at a later date. Corning shall use its current TIA funding to bill for costs under SUBCLIN 000109 until the additional \$565,294.00 of funding is added to the TIA.

ATTACHMENTS:

- 1- Cost Proposal (City of Durham) (b) (4)
- 2- Cost Proposal (Corning) (b) (4)
- 3- Pumps Quote (City of Durham) (b) (4)
- 4- USACE Memo (b) (4)
- 5- USACE Memo (b) (4)

SECTION E - INSPECTION AND ACCEPTANCE

The following Acceptance/Inspection Schedule was added for SUBCLIN 000109:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	N/A

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. P00011		3. EFFECTIVE DATE 30-Dec-2020	4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE	1 6
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408	5. PROJECT NO.(If applicable) S3306A SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004	
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020	
CODE 1C6B0		FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
X D. OTHER (Specify type of modification and authority) Unilateral; IAW Modification P00010				
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6) The purpose of this modification is to delete SUBCL N 000109 (informational SUBCL N), replace with CL N 0009 (priced CL N), and provide funding for CL N 0009. The \$565,294.00 previously awarded under CL N 0001 (SUBCL N 000109) on Modification P00010 has been deleted and awarded on CL N 0009 under this modification. SEE CONTINUATION PAGES FOR SUMMARY OF CHANGES				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			(b) (6) TEL: (b) (6) EMAIL: (b) (6)	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (b) (6) (Signature of Contracting Officer)	
			16C. DATE SIGNED 29-Dec-2020	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0001

The estimated/max cost has decreased by \$565,294.00 from \$204,565,294.00 to \$204,000,000.00.

The PROG code has changed from S10 to C9E.

The total cost of this line item has decreased by \$565,294.00 from \$204,565,294.00 to \$204,000,000.00.

SUBCLIN 000109

The CLIN description has changed from UTILITIES CONNECTION & AGREEMENT to DELETED SUBCLIN.

The CLIN extended description has changed from:

	OTHER DIRECT
COST (Utilities Connection & Extension Agreement)	
Completion of High-Volume Vial/Cartridge Capacity Expansion- Life Sciences Production Facility (Durham, NC)	Location: Corning
\$565,294.00.00 (Not to Exceed)	Estimate (Cost Proposal):
	This is an informational SUBCLIN.

To:

DELETED SUBCLIN

CLIN 0002

The PROG code has changed from S10 to C9E.

CLIN 0003

The PROG code has changed from S10 to C9E.

CLIN 0004

The PROG code has changed from S10 to C9E.

CLIN 0005

The PROG code has changed from S10 to C9E.

CLIN 0006

The PROG code has changed from S10 to C9E.

CLIN 0007

The PROG code has changed from S10 to C9E.

CLIN 0008

The PROG code has changed from S10 to C9E.

CLIN 0009 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009	Utilities Connection & Agreement	1	Job		\$565,294.00 NTE
	OTHER DIRECT COST (Utilities Connection & Extension Agreement)				
	Completion of High-Volume Vial/Cartridge Capacity Expansion-				
	Location: Corning Life Sciences Production Facility (Durham, NC)				
	Estimate (Cost Proposal): \$565,294.00.00 (Not to Exceed)				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 0011506340-0001				
	PSC CD: K065				
				ESTIMATED COST	\$565,294.00
	ACRN AB				\$565,294.00
	CIN: GFEB001150634000002				

The following have been added by full text:

MODIFICATION P00011

(b) (4) [Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

PROPOSED COSTS:

The proposed total costs (\$565,294.00 NTE) include the following for (b) (4) :

(b) (4)	[Redacted]
[Redacted]	[Redacted]
[Redacted]	[Redacted]
[Redacted]	[Redacted]
[Redacted]	[Redacted]
[Redacted]	[Redacted]
[Redacted]	[Redacted]
\$ 565,294.00	Total

ATTACHMENTS:

- 1- Cost Proposal (City of Durham) (b) (4)
- 2- Cost Proposal (Corning) (b) (4)
- 3- Pumps Quote (City of Durham) (b) (4)
- 4- USACE Memo (b) (4)
- 5- USACE Memo (b) (4)

SECTION E - INSPECTION AND ACCEPTANCE

The following Acceptance/Inspection Schedule was added for CLIN 0009:

INSPECT AT Destination	INSPECT BY Government	ACCEPT AT Destination	ACCEPT BY Government
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SECTION F - DELIVERIES OR PERFORMANCE

The following Delivery Schedule for CLIN 0009 has been added:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
(b) (4)	N/A	US ARMY ACC-APG-RTP W911NF (b) (6) 800 PARK OFFICE DRIVE (b) (6) RESEARCH TRIANGLE PARK NC 27709 (b) (6)	W911NF

FOB: Destination

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by \$565,294.00 from \$204,000,000.00 to \$204,565,294.00.

CLIN 0009:

Funding on CLIN 0009 is initiated as follows:

ACRN: AB

CIN: GFEB001150634000002

Acctng Data: 0212021202220400000665654255 S.0074658.5.37 6100.9000021001

Increase: \$565,294.00

Total: \$565,294.00

Cost Code: A5XAH

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1 CONTRACT ID CODE	PAGE OF PAGES	
2 AMENDMENT/MODIFICATION NO P00012		3 EFFECTIVE DATE 01-Feb-2021	4 REQUISITION/PURCHASE REQ NO SEE SCHEDULE		5 PROJECT NO (If applicable) 1 2
6 ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7 ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408		CODE S3306A SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORN NG INCORPORATED CORN NG ONE RIVERFRONT PLZ CORN NG NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X	10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004	
			X	10B. DATED (SEE ITEM 13) 05-Jun-2020	
CODE 1C6B0		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) Unilateral; IAW BARDA Approval of Supply Chain Resiliency Plan					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6)					
1. The purpose of this modification is to approve and incorporate the Supply Chain Resiliency Plan as required by the Biomedical Advanced Research and Development Authority (BARDA).					
2. The Supply Chain Resiliency Plan is hereby incorporated into the TIA, W911NF-20-3-0004, as Attachment 'D.'					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			(b) (6)		
			TEL: (b) (6)		EMAIL: (b) (6)
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. (b) (6)		16C. DATE SIGNED
(Signature of person authorized to sign)			BY (b) (6)		01-Feb-2021
			(Signature of Contracting Officer)		

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been added by full text:

ATTACHMENTS

D. Supply Chain Resiliency Plan

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. P00013		3. EFFECTIVE DATE 04-Feb-2021	4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable) S3306A
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408		CODE SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004		
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020		
CODE 1C6B0		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) Bilateral; IAW Corning & Government Approval of Collaboration Plan					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6)					
1. The purpose of this modification is to approve and incorporate the Collaboration Plan between Corning, Inc. and the Government partners for W911NF-20-3-0004.					
2. The Collaboration Plan is hereby incorporated into W911NF-20-3-0004 as Attachment 'B.'					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			TEL: (b) (6) EMAIL: (b) (6)		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)			BY (b) (6)		04-Feb-2021

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been added by full text:

ATTACHMENTS

B. Collaboration Plan (b) (6)

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. P00014		3. EFFECTIVE DATE 23-Mar-2021	4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE	1 6
6. ISSUED BY US ARMY ACC-APG-RTP W911NF 800 PARK OFFICE DRIVE SUITE 4229 RESEARCH TRIANGLE PARK NC 27709		CODE W911NF	7. ADMINISTERED BY (If other than item 6) DCM SYRACUSE 615 ERIE BLVD., WEST SUITE 300 SYRACUSE NY 13204-2408	5. PROJECT NO. (If applicable) S3306A SCD: C
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CORNING INCORPORATED CORNING ONE RIVERFRONT PLZ CORNING NY 14831-0001			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			X 10A. MOD. OF CONTRACT/ORDER NO. W911NF2030004	
			X 10B. DATED (SEE ITEM 13) 05-Jun-2020	
CODE 1C6B0		FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
X D. OTHER (Specify type of modification and authority) Bilateral; IAW 32 CFR Part 37				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6) The purpose of this modification is to award a within-scope supplemental effort to (1) resolve a converting bottleneck at the Big Flats, NY facility, (2) enable capacity production expansion for borosilicate glass tubing at the Vineland, NJ facility, and (3) approve a move of converting lines originally planned for the Big Flats, NY facility to the Durham, NC facility. SEE CONTINUATION PAGES FOR SUMMARY OF CHANGES				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			(b) (6)	
			TEL: (b) (6) EMAIL: (b) (6)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. BY	16C. DATE SIGNED
(Signature of person authorized to sign)			(b) (6)	23-Mar-2021
			(Signature of Contracting Officer)	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$57,058,249.00 from \$204,565,294.00 to \$261,623,543.00.

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0010 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010	Domestic Industrial Base Expansion	1	Job	COST	\$57,058,249.00 NTE

Advanced manufacturing validation and domestic industrial base capacity expansion of advanced, high-quality glass tubing and vials/cartridges to reduce supply chain risk and ensure rapid delivery of medical countermeasures (MCMs) to the Warfighter and MCMs and other supportive therapies to protect U.S. public health in response to the COVID-19 pandemic and other future public health emergencies

Supplemental Effort (Within-Scope):

This is a within-scope supplemental effort modification to enable (1) resolution of a converting bottleneck and (2) capacity production expansion for borosilicate glass tubing.

Converting Capacity Expansion:

Address critical capacity bottlenecks (tubing, vials and fill/finish capacity) by expanding converting capacity to produce (b) (4)

Estimate (Cost Proposal): \$21,952,458.00

Tubing Supply Expansion:

Modify Vineland, NJ tubing furnace to provide an additional (b) (4)

Estimate (Cost Proposal): \$35,105,791.00

FOB: Destination

PURCHASE REQUEST NUMBER: 0011506340-0002

PSC CD: K065

ESTIMATED COST

\$57,058,249.00

SUBCLIN 001001 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
001001	Funding- CLIN 0010COST Funding- CLIN 0010 PURCHASE REQUEST NUMBER: 0011506340-0002				\$0.00
	ACRN AC CIN: GFEB001150634000003			ESTIMATED COST	\$0.00 \$52,000,000.00

SUBCLIN 001002 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
001002	Funding- CLIN 0010COST Funding- CLIN 0010 PURCHASE REQUEST NUMBER: 0011506340-0002				\$0.00
	ACRN AD CIN: GFEB001150634000004			ESTIMATED COST	\$0.00 \$5,058,249.00

The following have been added by full text:
MODIFICATION P00014

BACKGROUND:

The U.S. Government (USG) has taken action to secure the domestic supply chain for high-quality vials needed to support the U.S. pandemic response. Corning is successfully fulfilling its commitment to the USG on Valor Glass – delivering all capacity milestones ahead of contractual commitments. However, several USG MCM Partners are relying solely on foreign vial and tubing suppliers for their COVID-19 MCMs. Even with prior USG actions, critical vulnerabilities still exist for COVID-19 medical countermeasures (MCMs) and other essential medicines as the borosilicate vial and tubing shortage is reaching critical levels due to 1) rapidly increasing demand, 2) production problems across the industry, and 3) over-reliance on tubing and vial imports. Left unresolved, the supply situation may encounter vulnerabilities that could lead to a critical shortage of essential medicines in the US and in the delay the availability of COVID-19 vaccines. (b) (4)

[REDACTED]

[REDACTED]

[REDACTED]

well as to create a resilient domestic U.S. supply chain that reduces reliance on foreign manufacturers for both essential medicines and MCMs. (b) (4)

MODIFICATION AGREEMENT:

(b) (4)

- (b) (4)

- (b) (4)

(b) (4)

- (b) (4)

PROPOSED COSTS:

Borosilicate Glass/Tubing: \$35,105,791.00
Converting Bottleneck: \$21,952,458.00

COST SHARING (\$307M): At the time of initial award, the Recipient proposed cost sharing in the amount of (b) (4) (b) (4)

(b) (4). For the within-scope modification P00014, the USG is providing **\$57,058,249.00 in additional funding, which brings the cost sharing ratio between the USG and Corning to (b) (4) (b) (4)**

In addition to (and not as a cost share contribution), Corning will commit to (b) (4) (b) (4)

(b) (4). This investment would be completed prior to the expiration period of the option periods.

VOUCHERS: Costs incurred under CLIN 0010 must be billed under CLIN 0010. Additionally, the following previously submitted and vouchered costs shall be transferred from CLIN 0001 to CLIN 0010:

SUBCLIN 000103 - Initial deposit for (b) (4) converters (b) (4)

ATTACHMENTS:

- 1- Supplemental Effort (Technical Proposal) (b) (4)
- 2- Supplemental Effort (Cost Proposal) (b) (4)
- 3- Cost Sharing Proposal (TIA) (Revised) (b) (4)
- 4- Revised ALIN Tables (b) (4)
- 5- Integrated Master Schedule (TIA) (Revised) (b) (4)
- 6- Preaward Costs Authorization Letter (Revised) (b) (4)

SECTION E - INSPECTION AND ACCEPTANCE

The following Acceptance/Inspection Schedule was added for CLIN 0010:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
Destination	Government	Destination	Government

The following Acceptance/Inspection Schedule was added for SUBCLIN 001001:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	N/A

The following Acceptance/Inspection Schedule was added for SUBCLIN 001002:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	N/A

SECTION F - DELIVERIES OR PERFORMANCE

The following Delivery Schedule for CLIN 0010 has been added:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
(b) (6)	N/A	US ARMY ACC-APG-RTP W911NF (b) (6) 800 PARK OFFICE DRIVE (b) (6) RESEARCH TRIANGLE PARK NC 27709 (b) (6) FOB: Destination	W911NF

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by \$57,058,249.00 from \$204,565,294.00 to \$261,623,543.00.

SUBCLIN 001001:

Funding on SUBCLIN 001001 is initiated as follows:

ACRN: AC

CIN: GFEB001150634000003

Acctng Data: 0212021202220400000665654255 S.0074658.5.46 6100.9000021001

Increase: \$52,000,000.00

Total: \$52,000,000.00

Cost Code: A5XAH

SUBCLIN 001002:

Funding on SUBCLIN 001002 is initiated as follows:

ACRN: AD

CIN: GFEB001150634000004

Acctng Data: 0212021202220400000665654255 S.0074658.5.49 6100.9000021001

Increase: \$5,058,249.00

Total: \$5,058,249.00

Cost Code: A5XAH

(End of Summary of Changes)