

FAX

Date: 03/12/2024

VENDOR NAME: BLUESTONE COMMUNICATIONS, INC.

BUYER: JOSH HAGER

SOLICITATION NO.: CRFQ 0708 ABC2400000001

BID OPENING DATE: 03/12/2024

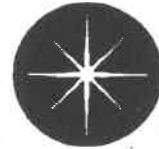
BID OPENING TIME: 1:30 PM ET

FAX NUMBER: 304-558-3970

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2024 MAR 12 PM 12:29
WV PURCHASING
DIVISION

Bluestone Communications Inc.

RELATING TECHNOLOGY TO YOU



WV ABCA

97 Independent Ave
Nitro, WV

WVABCA Warehouse Security Expansion

March 12, 2024

Quote Number: 24-02288 1.2

Bluestone Communications

- Piketon

Confidential Proposal





CAMERAS

SCOPE

Proposal is built using Hanwha brand equipment to match specifications laid out in bid documents :

Our proposal includes all materials outlined in bid documents and most recent addendum.












MATERIAL

IMAGE	QTY	DESCRIPTION	PRICE	PRICE EXT	LABOR	LABOR EXT	TOTAL
	2	Hanwha Techwin XNP-6400R Powered by WN7, 2MP @ 60FPS resolution, 4.25mm~170mm (40x) lens, Wise IR (200m), extreme WDR 150dB, Day & Night ICR, H.265, H.264, MJPEG codec support, Intelligent Analytics, Object auto tracking(Person/Vehicle), Target lock track, BLC, HLC, SDDR, lens heater for water/snow removal, IP66, IK10(Camera body only), NEMA4X, NEMA-TS 2 (2.2.8, 2.2.9), HPoE injector included, (Compatible with I/O Box SPM-4210)	\$1,658.03	\$3,316.06	\$0.00	\$0.00	\$3,316.06
	5	Hanwha Techwin QNP-6320H Wisenet Q network outdoor PTZ camera, 2MP, Full HD(1080p) 60fps, triple codec H.265/H.264/MJPEG with WiseStream II technology, 4.44~142.6mm (32x) lens, 120dB WDR, Day & Night (ICR), DIS (Built-in gyro sensor), Intelligent Analytics, Micro SD/SDHC/SDXC 1slot 256GB, Focus Save, IP66, IK10, NEMA4X, white color	\$1,151.41	\$5,757.05	\$0.00	\$0.00	\$5,757.05
	27	Hanwha Techwin XNV-8080R Wisenet X powered by Wisenet 5 network IR outdoor vandal dome camera, 5MP @30fps, motorized vari-focal lens 2.4x (3.9~9.4mm) (92.1°~38.7°), triple codec H.265/H.264/MJPEG with WiseStream II technology, 120dB WDR, USB port for easy installation, advanced video analytics and sound classification, high powered IR LEDs range of 164', true D/N, dual SD card, hallway view, HLC, defog detection, DIS, 12VDC/24VAC/PoE, IP67, IK10, Nema 4X, -40°C ~ +55°C (-40°F ~ +131°F)	\$713.88	\$19,274.76	\$0.00	\$0.00	\$19,274.76
	1	Hanwha Techwin QNV-6082R1 Wisenet Q network outdoor vandal dome camera, 2MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (109°~33°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, no audio in/out, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE/12VDC, white color	\$246.41	\$246.41	\$0.00	\$0.00	\$246.41

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IMAGE	QTY	DESCRIPTION	PRICE	PRICE EXT	LABOR	LABOR EXT	TOTAL
	1	Hanwha Techwin PNO-A9081RLP AI LPR outdoor bullet Camera	\$1,358.67	\$1,358.67	\$0.00	\$0.00	\$1,358.67
	17	Hanwha Techwin SBP-300HM6 Medium Cap Adapter (Aluminum) Accessory, (SCV-6081R, SNV-8081R, SNV-8080, SNV-7084/R, SNV-6084/R, SNV-5084/R, PNV-9080R, XNV-6080/R, XNV-8080R, XNV-6120/R, XND-6085V, XNV-6085, PNM-7000VD) Works with Mount (SBP-300WM1, SBP-300WM, SBP-300CM, SBP-300LM)	\$22.57	\$383.69	\$0.00	\$0.00	\$383.69
	1	Hanwha Techwin SBP-301HMW2 Small cap adapter (aluminum) accessory, (QNV-8080R, QNV-6082R, LNV-6072R), white color	\$22.57	\$22.57	\$0.00	\$0.00	\$22.57
	5	Hanwha Techwin SBP-300WM1 Wall Mount Accessory, All caps except SBP-329HM and all outdoor PTZs Ivory	\$36.38	\$181.90	\$0.00	\$0.00	\$181.90
	1	Hanwha Techwin SBP-156WMW Wall/Pole mount	\$68.63	\$68.63	\$0.00	\$0.00	\$68.63
	1	Hanwha Techwin SBP-302PM Pole Mount Adapter Accessory, use with SBO-100B1, PNO-9080R, SNO-8081R SBO-100B1	\$36.38	\$36.38	\$0.00	\$0.00	\$36.38
	3	Hanwha Techwin SBP-300WMW1 Wall Mount Accessory (white), Compatible with white hanging caps	\$36.38	\$109.14	\$0.00	\$0.00	\$109.14
	2	Hanwha Techwin SBP-300KMW1 Corner Mount Adapter Accessory, use with SBP-300WMW1, White color, made of aluminum	\$36.38	\$72.76	\$0.00	\$0.00	\$72.76
	12	Hanwha Techwin SBP-302CMW Telescopic pendant mount Accessory, requires a mounting plate SBP-302CMAW or SBP-302CMBW (white color)	\$141.70	\$1,700.40	\$0.00	\$0.00	\$1,700.40
	12	Hanwha Techwin SBP-302CMAW Mounting plate for the telescopic pendant mount SBP-302CMW (white color)	\$17.00	\$204.00	\$0.00	\$0.00	\$204.00
	1	Hanwha Techwin SBP-156KMW Corner mount, Material: Aluminum, Color: White, Dimensions: 276.8(W)x183.0(H)x158.5(D)mm (10.90x7.20x6.24"), Compatible with: XNP-9300RW/8300RW/6400RW, QNP-6320R/6250R/6320H/6250H	\$67.44	\$67.44	\$0.00	\$0.00	\$67.44

MATERIAL TOTAL

\$32,799.86

Equipment prices include any required accessories. Labor prices include design, engineering, installation and programming.

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LABOR

IMAGE	QTY	DESCRIPTION	PRICE	PRICE EXT	LABOR	LABOR EXT	TOTAL
		Bluestone Communications -					
	55.6	Piketon Installation - Installation of cameras and supporting hardware.			\$75.00	\$4,170.00	\$4,170.00
LABOR TOTAL							\$4,170.00
EQUIPMENT TOTAL							\$32,799.86
LABOR TOTAL							\$4,170.00
CAMERAS TOTAL							\$36,969.86

Bluestone Communications
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SWITCHES & SERVER

MATERIAL

IMAGE	QTY	DESCRIPTION	PRICE	PRICE EXT	LABOR	LABOR EXT	TOTAL
	1	Hanwha Techwin XRN-6420DB4-64TB 8K NVR (Intel based), 64Ch, 64TB RAW, 16 SATA HDD bays (up to 10TB per HDD), H.265/H.264/MJPEG, SUNAPI, ONVIF, ARB (Automatic Recovery Backup) & Fallover (N+1), Up To 520 Mbps Recording / Up To 200 Mbps Playback, Dual Stream Recording, iSCSI, WiseStream Support, HDMI(x2) Dual Display, Alarm I/O, 2-Way Audio, Maximum Camera Resolution of 32MP Recording/Display, Fisheye Dewarping (Local/CMS), AI Search (Wisenet AI Cameras Only), P2P QR Code, Support for RAID 5/6 (NOTE: Requires a minimum number of HDDs per RAID type), HDD Hot Swap is available in RAID Mode, Redundant Power Supply.	\$7,369.02	\$7,369.02	\$0.00	\$0.00	\$7,369.02
	1	Hanwha Techwin SKY-SW28g-001 Switch SW28g (24 Port Gigabit PoE+ Switch with 2xUplink and 2xSFP, 802.3af (max 15.4W), 802.3at (max 30W), max power budget 370W, 10/100/1000 Mbps)	\$790.12	\$790.12	\$0.00	\$0.00	\$790.12
	4	TRENDnet TPE-TG80g 8-port Gigabit GREENnet PoE+ Switch	\$159.34	\$637.36	\$0.00	\$0.00	\$637.36

MATERIAL TOTAL	\$8,796.50
EQUIPMENT TOTAL	\$8,796.50
LABOR TOTAL	\$0.00
SWITCHES & SERVER TOTAL	\$8,796.50

**Bluestone Communications
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ELECTRICAL & OTHER COSTS

MATERIAL

IMAGE	QTY	DESCRIPTION	PRICE	PRICE EXT	LABOR	LABOR EXT	TOTAL
	10	General Cable Cat 6 Orange Plenum Category 6 Cable	\$333.33	\$3,333.30	\$0.00	\$0.00	\$3,333.30
	1	Montavue MAWB-O3P-2PK 1.86 Mile PoE In/Out Wireless Bridge - 867 Mbps (2.4GHz, 5GHz), 2-Pack	\$233.28	\$233.28	\$0.00	\$0.00	\$233.28
	1	Labor Electrical Labor Labor & Material cost for electrical	\$5,000.00	\$5,000.00	\$0.00	\$0.00	\$5,000.00
MATERIAL TOTAL							\$8,566.58

LABOR

IMAGE	QTY	DESCRIPTION	PRICE	PRICE EXT	LABOR	LABOR EXT	TOTAL
	270.9	Bluestone Communications - Piketon Installation and Testing Cable Installation and testing			\$75.00	\$20,317.50	\$20,317.50
	33.5	Bluestone Communications, Inc. Project Management Mobilization, planning, and system design.			\$80.00	\$2,680.00	\$2,680.00
LABOR TOTAL							\$22,997.50
EQUIPMENT TOTAL							\$8,566.58
LABOR TOTAL							\$22,997.50
ELECTRICAL & OTHER COSTS TOTAL							\$31,564.08

WV ABCA
97 Independent Ave
Nitro, WV

Confidential Proposal
24-02288

ACCEPTANCE

FINANCIAL

PAYMENT SCHEDULE
To be determined

EQUIPMENT TOTAL	\$50,162.94
ENGINEERING	\$0.00
INSTALLATION	\$24,487.50
MANAGEMENT	\$2,680.00
PROGRAMMING	\$0.00
LIFT RENTAL - PER WEEK	\$1,200.00
MISCELLANEOUS MATERIALS	\$15,000.00
SUBTOTAL	\$93,530.44
TOTAL SALES TAX	\$3,636.81
PROJECT TOTAL	\$97,167.25

TERMS

I accept this proposal and hereby authorize Bluestone Communications - Pikeston to proceed with the installation of the included systems at the facilities of WV ABCA constructing at 97 Independent Ave Nitro, WV 25143 as described in the totality of this document. I further authorize Bluestone Communications - Pikeston to be granted the facility access that will be required to complete this project in a workmanlike and timely manner and for payment to be made to Bluestone Communications - Pikeston. In keeping with the Terms of Payment listed below. It has been made clear to me that there exist no understandings regarding this project with any relevant party unless and until WV ABCA and Bluestone Communications - Pikeston agree to such additional or alternate understandings in writing. Project cost and pricing are dependent upon a continual flow of work without interruption or delays imposed by WV ABCA or their staff, construction, other building trades or any other party, and additional costs may be incurred by WV ABCA from Bluestone Communications - Pikeston. If such delays result in additional costs that are not covered by the pricing in this proposal. I agree that any additions to and/or deletions from the materials and labor to be provided by my acceptance of this proposal and any resulting change(s) in cost of this project shall only be by way of written change order(s) and shall be valid only after being signed by WV ABCA and Bluestone Communications - Pikeston.

Due to the instability of the current commodities market and in an effort to keep our pricing competitive, Bluestone Communications, Inc. has factored our material costs on current day pricing. We would require procurement of all materials at the award of the job and billed using AIA percentage of completion billing, billed monthly, NET30

Pricing is valid for 30 days from date of this proposal.

WV ABCA
97 Independent Ave
Nitro, WV

Confidential Proposal
24-02288

ACCEPTANCE

WV ABCA

SIGNED

DATE

PRINT NAME

TITLE

BLUESTONE COMMUNICATIONS - PIKETON

SIGNED

DATE

PRINT NAME

TITLE



WISENET WAVE

Video Management System



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PAGE 10/25

Wisenet WAVE Video Management System

Simple. Reliable. Customizable.

Wisenet WAVE VMS features a very unique adaptive scaling technology that dynamically switches between the high resolution and low resolution images depending on the CPU usage of the client PC resulting in an endlessly customizable IP video management platform for users and platforms of all sizes and devices.



Intuitive and Easy to Use

- ✔ Design and create your own custom live and recorded camera viewing workspaces with an intuitive drag and drop tool.
- ✔ Quick access to on demand zoom windows to see close up details of live and recorded activity.
- ✔ Generate alerts and alarm notifications when specific motion detection or analytic triggered incidents occur.
- ✔ Locate important video with ease with interactive flex timeline and powerful range of analytic based search tools for recorded video.
- ✔ Nested search based navigation menu to identify connected cameras and layouts.
- ✔ Bird's eye view of all cameras using built in background map imagery.
- ✔ Consolidated notification panel for dedicated alarm management.

Hanwha Vision Specific Features

Deep camera integrations and NVR monitoring, search & playback

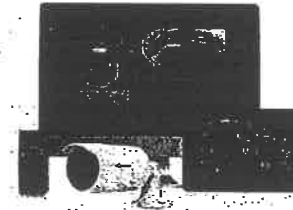
- H.265
- WiseStream
- All triggering events including sound classification and filtering
- Simple Focus / Initialize Focus / Lens Control settings
- Multi-directional camera support
- Hallway view
- Camera profile / Image configuration
- PTZ preset Sync
- Imagery Settings
- Auto & HTTP discovery
- Digital I/O



SUNAPI 2.0 Native Integration

WAVE utilizes the latest SUNAPI 2.0 driver for seamless interaction with Wisenet cameras and recorders. Rigorously tested with Wisenet P, X and Q series and supports:

- Video/Audio streaming
- PTZ
- Event - advanced analytics, MD, alarm
- Device configurations



Optimized for the operating system of your choice

Wisenet WAVE has applications for all major operating systems so users are not limited by what device or operating system they choose to use on their desktops, mobile devices, rack mount servers, or even low-powered embedded devices. (For embedded devices, please contact Hanwha Vision support)



Server

A cloud-based service that enables simple, centralized remote access and insight into any Wisenet WAVE system. Merge systems, transfer ownership and view cameras on demand included.



Desktop

A lightweight rich media player with enterprise level features to view and manage a single Wisenet WAVE system from desktop or laptop PC.



WAVE Sync

A media server responsible for discovering, connecting to, and managing system devices and data.



Mobile

A mobile app designed for viewing Wisenet WAVE system video and archives while on-the-go.

Server OS Support	Desktop OS Support	Supported Browsers	Mobile OS Support
Microsoft Windows	Microsoft Windows	Google Chrome	Google Android
Ubuntu Linux	Ubuntu Linux	Mozilla Firefox	Apple iOS
	Apple macOS	Opera / Opera Neon	
		Microsoft Edge	
		Apple Safari	



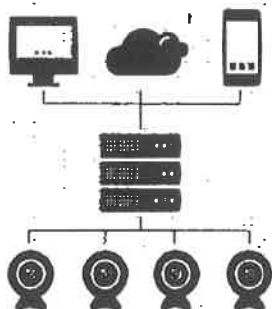
Server

Lightweight. Powerful. Server Hive.

The Wisenet WAVE server application is the foundation of the entire platform - with the ability to operate independently or as one part of a Hive.

It's available as a downloadable software application from the Hanwha Vision website which enables installers to quickly download, install and configure the full solution in minutes.

The server application also provides a detail user audit trail including viewing and exporting as well as real-time health and storage monitoring and camera failover support. The supporting web-based application enables each Wisenet WAVE platform to be managed as a stand alone system or as part of a large, scalable video management solution.



Server Hive

Connect to any server with any client.

- ✔ Instant synchronization
- ✔ No single point of failure
- ✔ Automatic failover
- ✔ One-click upgrades

Features

Discover	Manage	View	Integrate
IP Cameras (ONVIF, Custom)	IP Cameras / NVRs / DVRs	Live Video (adaptive)	HTTP Generic Events
RTSP/HTTP Streams	Advanced Routing	Recorded Video (adaptive)	HTTP Request as an Action
VO Devices	Storage (HDD/NAS/DAS)	Server Health	Server API
Servers / Systems	Events & Rules Engine	Log Files	Storage SDK
SAMBA NAS	Failover	Audit Trail	Video Source SDK
	Transcoding	Storage Status	Any Device as System
	HTTPS & Encrypted video traffic		Metadata SDK & Plugins
	Server optimized system data, real time		

Supported Operating Systems

- Windows 8, Windows 8.1, Windows 10, Windows 11, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016 (Long-term Service Channel) 1607, Windows Server 2019, Windows Server 2022
- Ubuntu Linux 16.04 LTS, Ubuntu Linux 18.04 LTS, Ubuntu Linux 20.04 LTS

Specifications

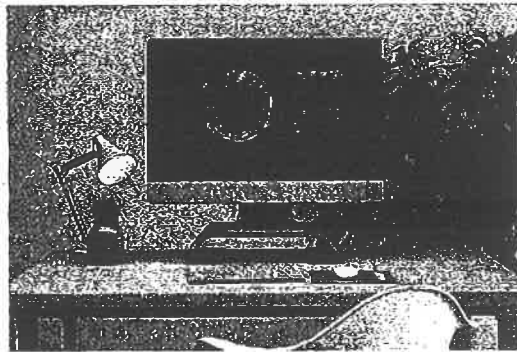
Supported Media Streaming																					
Live Streams	Video: H.265, H.264, MPEG Audio: AAC PCM (Mid-Low, A-Low) g726 MP3																				
Live Streams (Available to pull from Server to 3rd Party)	Video: H.265, H.264, MPEG, WebM Audio: AAC PCM (Mid-Low, A-Low) g726 MP3 Protocol: RTSP, MPEG, WebM, HLS																				
Other																					
Automatic Camera Failover	~1 Min. Configurable																				
Transcoding	Supported (For Web Client, Mobile, API)																				
Database	SQLite + Proprietary Archive Index																				
Single Sign On	LDAP / Active Directory																				
Security	Open SSL Salbed MD5 Hash TLS/SSL HTTPS																				
Dev Tools	Server API (HTTP) / Video source SDK / Storage SDK / Metadata SDK																				
NAS	SAMBA (Authenticated, Unauthenticated)																				
Scalability																					
# of Resources per System	10,000																				
# of Clients per System	Unlimited																				
# of Streams per Server	128																				
# of Servers in a Server Hive	100 (100 is a recommended maximum. Contact technical support for more info.)																				
# of Users in a System	1,000																				
Hardware Recommendations																					
Recommended based on # of Streams	<table border="1"> <thead> <tr> <th>Streams</th> <th>RAM</th> <th>NIC</th> <th>CPU</th> </tr> </thead> <tbody> <tr> <td>Up to 16</td> <td>2 GB</td> <td>1 GB</td> <td>Dual Core Atom</td> </tr> <tr> <td>Up to 32</td> <td>4 GB</td> <td>1 GB</td> <td>Dual Core Atom</td> </tr> <tr> <td>Up to 64</td> <td>8 GB</td> <td>1 GB</td> <td>Core i3</td> </tr> <tr> <td>Up to 128</td> <td>16 GB</td> <td>1 GB</td> <td>Core i3</td> </tr> </tbody> </table> <p>*CPU's data correct at time of print.</p>	Streams	RAM	NIC	CPU	Up to 16	2 GB	1 GB	Dual Core Atom	Up to 32	4 GB	1 GB	Dual Core Atom	Up to 64	8 GB	1 GB	Core i3	Up to 128	16 GB	1 GB	Core i3
Streams	RAM	NIC	CPU																		
Up to 16	2 GB	1 GB	Dual Core Atom																		
Up to 32	4 GB	1 GB	Dual Core Atom																		
Up to 64	8 GB	1 GB	Core i3																		
Up to 128	16 GB	1 GB	Core i3																		



Desktop

Feature-rich flexibility

Wisenet WAVE Desktop is a cross-platform lightweight app capable of running seamlessly on a variety of devices, ranging from Atom-based tablets to Xeon-based servers. Designed exclusively for video-centric and investigative users, it offers a rich feature set that caters to their specific needs. With its user-friendly interface, reliability, and impressive performance, Wisenet WAVE Desktop provides an optimal solution for efficient and effective video management.



Features

Usability	Media	Configuration	Search
Drag & Drop Everything	IP Cameras / Encoders / DVRs	Events & Rules Engine	Motion Search
Consolidated Notifications	RTSP/HTTP Streams	User Management	Keyword Search
Flex Timeline	VO Devices	IP Cameras / Encoders	Calendar Search
Customizable Layouts	Web Pages	Server Management	Time-Slice Search
Digital Maps	Videos	VO Device Management	Bookmarks
Adaptive Scaling	Images	Storage Management	Audit Trail
Synchronized recorded playback across systems		Easy Camera Replacement	Thumbnail Scrub Searching
Quick video exporting to AVI, MP4 or embedded EXE formats		Remote Log Retrieval	

Supported Operating Systems

- Windows 8, Windows 8.1, Windows 10, Windows 11, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016 (Long-term Service Channel) 1607, Windows Server 2019, Windows Server 2022
- Ubuntu Linux 16.04 LTS, Ubuntu Linux 18.04 LTS, Ubuntu Linux 20.04 LTS
- macOS Mojave 10.14, macOS Catalina 10.15, macOS Big Sur 11, macOS Monterey 12

Specifications

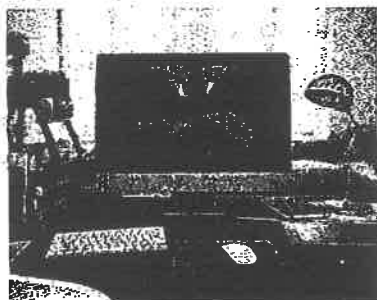
Supported Media Playback On-Grid	
Live Streams	Codecs H.265 H.264 MPEG
Offline Media	Videos: AVI MKV MP4 MOV TS M2TS MPEG MPG FLV WMV SOF
	Images: JPG PNG GIF BMP TIFF
Connected Devices	VO Devices Status and Triggers
	Servers: Server Health Monitoring
Browser	Web Pages: Responsive Websites / Progressive Web Apps
Viewing Modes	
Media Player	View, edit, and export offline videos and images
Connected	Authorized and connected WAVE System
VideoWall	Put Desktop into VideoWall mode to control remotely
Showreal	Cycle through camera view or layout in a fully customizable timed viewing
Maximum Grid Items	
64 HDOS	64 Items (e.g. 64 live streams)
Hardware Requirements	
Minimum Supported Specs	Hard Drive: HDD/SSD/mSATA, RAM: 2GB, CPU: Quad Core Intel Celeron CPU or higher Graphics: Intel HD Graphics 3000 w/ Open GL2.1 support, Networking: 1GB NIC
Performance Specs	Hard Drive: Performance SSD, RAM: 16GB RAM, CPU: Intel Core i5 Graphics: NVIDIA GeForce GTX 1050 (OpenGL2.1 support is required) Networking: 10 GB NIC
Multi-Language Support	Languages Supported: English (US), English (UK), French, Czech, German, Finnish, Russian, Spanish, Italian, Japanese, Korean, Turkish, Chinese (Simplified), Chinese (Traditional), Hebrew, Hungarian, Dutch (Belgium or Flemish), Dutch (Netherlands), Norwegian, Polish, Portuguese (Brazil), Portuguese (Portugal), Ukrainian, Vietnamese, Thai, Swedish



Simply connect, view, manage and scale.

WAVE Sync makes it easy to connect and view cameras across systems, merge sites, transfer ownership and configure Systems for easy to use enterprise level management. It is a public cloud-based application hosted by Amazon AWS which enables remote access by an unlimited number of authorized users from anywhere in the world.

Wisenet WAVE Sync Browser & Devices Interface



- ☑ **Cloud Connect**
 - Connect any Wisenet WAVE System for simple remote connectivity from anywhere using NAT Traversal and Cloud Data Proxy technology.
- ☑ **User Management**
 - Add an unlimited number of users to a single Wisenet WAVE Sync System.
 - Share access to your Wisenet WAVE system in seconds using only email addresses.
 - Create custom user groups and permission to quickly assign access to multiple Wisenet WAVE Sync connected systems.

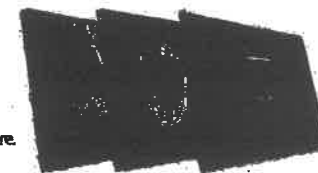
Features

View	Manage	Scalability / Integration	Licensing
Live Video (adaptive)	System Settings	Unlimited # of Systems	Online activation for any license type
Recorded Video (adaptive)	User Permissions	Unlimited # of Users	
Camera Details	Cloud Connections	Unlimited # of Devices	
Keyword Search	Email Notifications	Cloud API	
Calendar Search	Cloud System Merge		
Flex Timeline			
Full Screen Functionality			

The technical framework. How it all works.

Wisenet WAVE applications (Server, Desktop, Mobile) connect via an active Internet connection to the Wisenet WAVE Sync (Cloud) and are automatically connected together using a combination of NAT Traversal (direct connection) and data proxy technologies (connected via Wisenet WAVE Sync).

- step 1 Create Wisenet WAVE Sync Account
- step 2 Follow the on screen prompts to connect your account to an existing Wisenet WAVE System.
- step 3 View & Manage all connected system from anywhere.



Supported Web Browsers



Specifications

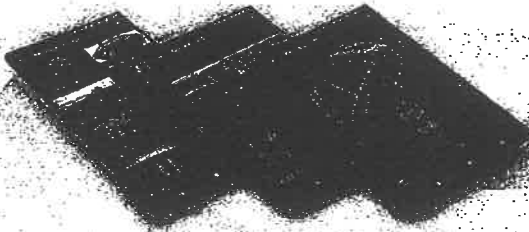
SPECS	
Connectivity:	NAT Traversal: Connect directly to provided Wisenet WAVE servers Cloud Data Proxy: Connect via AWS cloud proxy service
Interface Tabs:	Systems: View connected system files Settings: View users / rename system / merge system / disconnect system View: Use Wisenet WAVE sync client to view live or recorded video Monitoring: Active monitoring of CPU, RAM, Storage and network resource activity Information: View system health alerts including server statistics, camera connectivity, recording status, event availability, storage status and network traffic
Security	
Secure Password Recovery:	Via email
HTTPS:	Open SSL encrypted server / client / cloud connections
Encrypt:	TLS (Transport Layer Security)
Passwords:	Complex multi-level hash
Developer Tools	
Cloud API:	Available upon request
Scalability	
# of Connected Systems	Unlimited
# of Users	Unlimited



Mobile

Smart Phone. Smart Video.

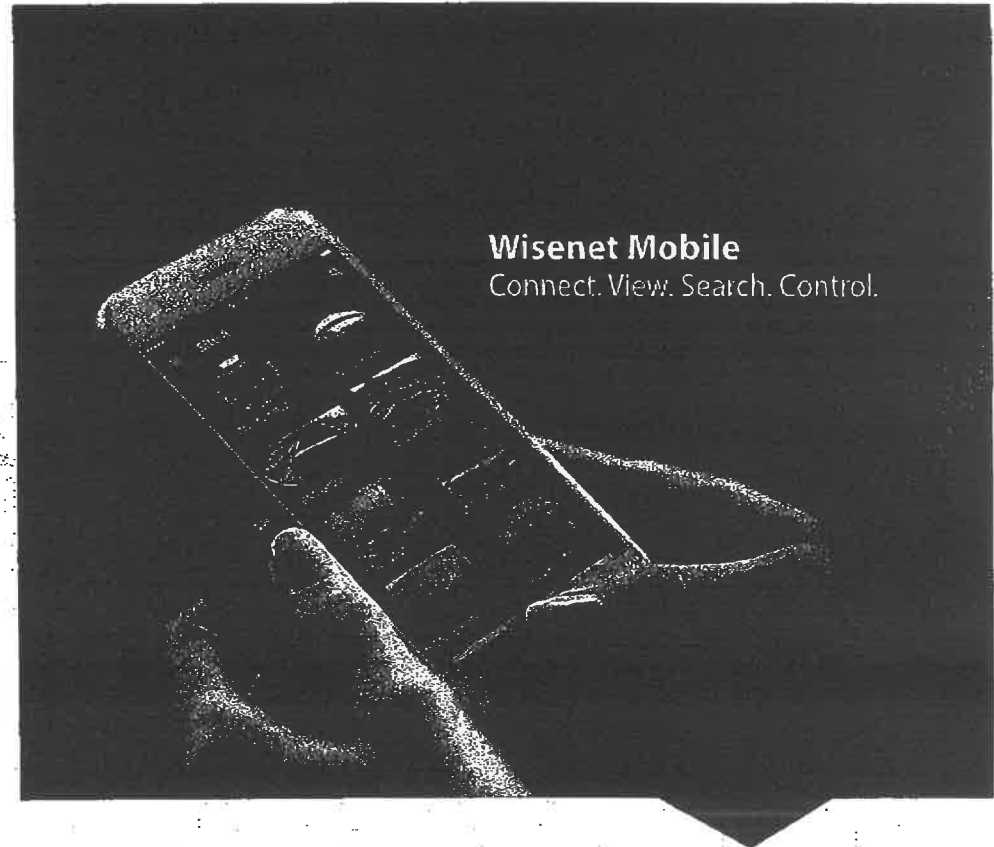
Wisenet WAVE Mobile is a user-friendly mobile application available for both iOS and Android devices. With a custom-developed media player, this low-latency app allows users to seamlessly connect to, view, search, and control IP cameras over Wi-Fi or data networks. Whether you're on-site or on the move, Wisenet WAVE Mobile provides the convenience of remotely accessing key functions of Wisenet WAVE from your smart device. Stay informed and take prompt action by viewing and responding to incidents captured by Wisenet cameras, empowering you to effectively manage surveillance operations while on the go.



Features

Connect	View	Search	Control
WiFi	Live Video (adaptive)	Keyword	Advanced PTZ / Standard PTZ
4G/LTE	Recorded Video (adaptive)	Calendar	Fisheye Dewarping
NAS Traversal	Layouts	Flex Timeline	2 Way Audio
Data Proxy Via Cloud	Available Systems	Motion Search	Push Notifications
Encrypted Connections	Camera Status		
Encrypted Video	Adjustable Resolutions		
	Portrait & Landscape Viewing Modes		

Features	
Remote Connect	Login using local or Wisenet WAVE Sync credentials
Live Thumbnails	Thumbnail refresh in real time
Keyword Search	Search for cameras or layouts by name
Calendar Search	Search by date and time
Motion Search	Search motion events within the entire video or specific region
Advanced PTZ	Point pan, zoom, IR controls, PTZ presets
Fisheye Dewarping	Dewarp fisheye images
Adaptive Scaling	Hi / Low resolution switching transcoding
Layouts	View thumbnails of System Layouts
Quick System Switch	Quickly switch between multiple Wisenet WAVE systems
Push Notification	Receive customizable push notifications using WAVEVMS rules
Bookmarks	View existing bookmarks from WAVE VMS



Wisenet Mobile
Connect. View. Search. Control.

Supported Operating Systems

Oreo	8.0 - 8.1	iOS 12	12.0
Pie	9.0	iOS 13	13.0
Android 10	10.0	iOS 14	14.0
Android 11	11.0	iOS 15	
Android 12		iPadOS 15	



Specifications

Supported File Via Playback	
Streams	Codecs: H.265, H.264, H.263

Wisenet WAVE: Video Management System | 10

For more information visit us at
HanwhaVisionAmerica.com



Hanwha Vision America
500 Frank W. Burr Blvd, Suite 43 Tenneck, NJ 07166
Toll Free: +1 877 213 1222
Direct: +1 201 325 6920
Fax: +1 201 373 0124
www.hanwha.com/usa

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* Wisenet is the proprietary brand of Hanwha Vision, formerly known as Hanwha Techwin.

Subcontractor List Submission (Construction Contracts Only)

Bidder's Name: Bluestone Communications, Inc.

Check this box if no subcontractors will perform more than \$25,000.00 of work to complete the project.

Subcontractor Name	License Number if Required by W. Va. Code § 21-11-1 et. seq.

Attach additional pages if necessary

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Justin Donley, Project Manager

(Address) 51 Manufacturing Center Drive, Piketon, OH 45661

(Phone Number) / (Fax Number) 740-420-3088 / none

(email address) j.donley@bluestonecomm.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation; unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Bluestone Communications, Inc.

(Company) David L.A. Lindamood Digitally signed by David L.A. Lindamood
DN: cn=David L.A. Lindamood, email=DLindamood@bluestonecomm.com, o=Bluestone Communications, ou=Bluestone

(Signature of Authorized Representative)

David L. A. Lindamood, Assistant Estimator

(Printed Name and Title of Authorized Representative) (Date)

Phone: 740-420-3088

(Phone Number) (Fax Number)

a.lindamood@bluestonecomm.com

(Email Address)

**ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:**

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|--|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Bluestone Communications, Inc.

Company

David L.A. Lindamood

Digitally signed by David L.A. Lindamood
DN: cn=US, E=a.lindamood@hntzelandbuehler.com,
ou=Hntzel & Buehler, CN=David L.A. Lindamood
Date: 2024.03.12 11:59:48-0400

Authorized Signature

03/12/2024

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.



Processing Date: **February 29, 2024**

Bid Date: **March 5, 2024**

Bluestone Communications, Inc.
51 Manufacturing Center Drive
Piketon, OH 45661

Owner: State of West Virginia Department of Administration

E.C.P.: \$110,000.00

B. B. Amt.: Five Percent Of The Total Amount Bid

Surety: Travelers Casualty and Surety Company of America

Project: Solicitation No. CRFQ 0708 ABC2400000001: Camera System for the Warehouse

Gentlemen:

Enclosed you will find a bid bond in the required amount covering the above captioned project. As a precaution please check all dates, descriptions, names, seals, surety signatures and remember that the appropriate required contractor's signature as indicated below is necessary.

Please notify us of these bid results at your earliest convenience.

Thank you,
American Global, LLC

BID BOND PREPARATION INSTRUCTIONS.

AGENCY (A) _____
RFQ/RFP# (B) _____

- (A) WV State Agency (Stated on Page 1 "Spending Unit")
- (B) Request for Quotation Number (upper right corner of page #1)
- (C) Your Business Entity Name (or Individual Name if Sole Proprietor)
- (D) City, Location of your Company
- (E) State, Location of your Company
- (F) Surety Corporate Name
- (G) City, Location of Surety
- (H) State, Location of Surety
- (I) State of Surety Incorporation
- (J) City of Surety's Principal Office
- (K) Minimum amount of acceptable bid bond is 5% of total bid. You may state "5% of bid" or a specific amount on this line in words.
- (L) Amount of bond in numbers
- (M) Brief Description of scope of work
- (N) Day of the month
- (O) Month
- (P) Year
- (Q) Name of Business Entity (or Individual Name if Sole Proprietor)
- (R) Seal of Principal
- (S) Signature of President, Vice President, or Authorized Agent
- (T) Title of Person Signing for Principal
- (U) Seal of Surety
- (V) Name of Surety
- (W) Signature of Attorney in Fact of the Surety

Bid Bond

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, _____ (C) of _____ (D) _____ (E) as Principal, and _____ (F) of _____ (G) _____ (H) a corporation organized and existing under the laws of the State of _____ (I) with its principal office in the City of _____ (J) as Surety, are held and firmly bound unto The State of West Virginia, as Obligees, in the penal sum of _____ (K) (\$ _____ (L)) for the payment of which, well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the Department of Administration a certain bid or proposal, attached hereto and made a part hereof to enter into a contract in writing for _____ (M)

NOW THEREFORE

(a) If said bid shall be rejected, or
 (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the agreement created by the acceptance of said bid then this obligation shall be null and void, otherwise this obligation shall remain in full force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated

The Surety for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of time within which the Obligees may accept such bid; and said Surety does hereby waive notice of any such extension.

WITNESS, the following signatures and seals of Principal and Surety, executed and sealed by a proper officer of Principal and Surety, or by Principal individually if Principal is an individual, the _____ (N) day of _____ (O) _____, 20 _____ (P).

Principal Seal

(R)

(Name of Principal)

By _____ (S)
(Must be President, Vice President, or Duly Authorized Agent)

Title

Surety Seal

(U)

(Name of Surety)

Attorney-in-Fact

IMPORTANT - Surety executing bonds must be licensed in West Virginia to transact surety insurance, must affix its seal, and must attach a power of attorney with its seal affixed.

NOTE 1: Dated Power of Attorney with Surety Seal must accompany this bid bond.

Agency _____
REQ.P.O# _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Bluestone Communications, Inc.
of Piketon Ohio as Principal, and Travelers Casualty and Surety Company of America
of Hartford Connecticut, a corporation organized and existing under the laws of the State of
Connecticut with its principal office in the City of Hartford as Surety, are held and firmly bound unto the State
of West Virginia, as Oblgee, in the penal sum of Five Percent Of The Total Amount Bid (\$ 5% of total amount bid) for the payment of which,
well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for
Solicitation No. CRFQ 0708 ABC2400000001: Camera System for the Warehouse

NOW THEREFORE,

- (a) If said bid shall be rejected, or
- (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in full force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Oblgee may accept such bid, and said Surety does hereby waive notice of any such extension.

WITNESS, the following signatures and seals of Principal and Surety, executed and sealed by a proper officer of Principal and Surety, or by Principal individually if Principal is an individual, this 5th day of March, 2024

Principal Seal

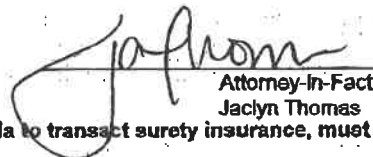
Bluestone Communications, Inc.
(Name of Principal)

By _____
(Must be President, Vice President, or Duly Authorized Agent)

(Title)

Surety Seal

Travelers Casualty and Surety Company of America
(Name of Surety)


Attorney-In-Fact
Jaelyn Thomas

IMPORTANT - Surety executing bonds must be licensed in West Virginia to transact surety insurance, must affix its seal, and must attach a power of attorney with its seal affixed.

ACKNOWLEDGEMENT OF CONTRACTOR - IF A CORPORATION

STATE OF _____

COUNTY OF _____

ON THE 5th DAY OF March, 2024 BEFORE ME PERSONALLY APPEARED _____ TO BE KNOWN, WHO, BEING BY ME DULY SWORN, DID DEPOSE AND SAY; THAT (S)HE IS THE _____ OF Bluestone Communications, Inc. THE CORPORATION THAT EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT SUCH CORPORATION EXECUTED THE SAME.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL, AT MY OFFICE IN THE ABOVE COUNTY, THE DAY AND YEAR WRITTEN ABOVE.

Notary Public

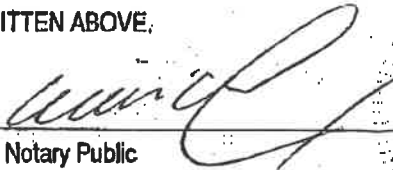
ACKNOWLEDGEMENT OF SURETY COMPANY

STATE OF New Jersey

COUNTY OF Morris

ON THE 5th DAY OF March, 2024 BEFORE ME PERSONALLY APPEARED Jaclyn Thomas TO ME KNOWN, WHO BEING BY ME DULY SWORN, DID DEPOSE AND SAY; THAT (S)HE IS THE ATTORNEY-IN-FACT OF Travelers Casualty and Surety Company of America, THE CORPORATION THAT EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT SUCH CORPORATION EXECUTED THE SAME.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL, AT MY OFFICE IN THE ABOVE COUNTY, THE DAY AND YEAR WRITTEN ABOVE.



Notary Public

William A. Drayton Jr.
Notary Public
State of New Jersey
My commission expires April 9, 2026



Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint Jaclyn Thomas of New Jersey as their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, supervising the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereunto affixed, this 21st day of April, 2024.



State of Connecticut

City of Hartford as:

By:

Robert L. Raney
Robert L. Raney, Senior Vice President

On this the 21st day of April, 2024, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2026



Anna P. Nowik
Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointees such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal, bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers of the Board of Directors of any firm may remove any such appointees and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed under seal, if required by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or the certificate of authority of by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or undertaking to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 5th day of March, 2024



Kevin E. Hughes
Kevin E. Hughes, Assistant Secretary

To verify the AUTHORITY of this Power of Attorney, please call us at 1-800-421-3880. Please refer to the ABOVE-NAMED AGENT(S)-IN-FACT and the details of the bond to which this Power of Attorney is attached.

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

HARTFORD, CONNECTICUT 06183

FINANCIAL STATEMENT AS OF JUNE 30, 2023

AS FILED IN THE STATE OF NEW JERSEY

CAPITAL STOCK \$ 8,480,000

ASSETS		LIABILITIES & SURPLUS	
BONDS	\$ 5,150,881,833	LOSSES	\$ 1,538,742,240
STOCKS	115,780,494	LOSS ADJUSTMENT EXPENSES	156,032,224
CASH AND INVESTED CASH	83,310,288	COMMISSIONS	88,888,447
OTHER INVESTED ASSETS	8,681,822	OTHER EXPENSES	38,588,082
SECURITIES LENDING REINVESTED COLLATERAL ASSETS	25,883,585	TAXES, LICENSES AND FEES	11,728,720
INVESTMENT INCOME DUE AND ACCRUED	43,343,088	UNEARNED PREMIUMS	1,483,378,860
PREMIUM BALANCES	847,718,528	ADVANCE PREMIUM	2,456,053
REINSURANCE RECOVERABLE	43,281,738	POLICYHOLDER DIVIDENDS	18,980,838
NET DEFERRED TAX ASSET	70,783,312	DEDUCTIBLE REINSURANCE NET PREMIUMS PAYABLE	87,785,163
CURRENT FEDERAL AND FOREIGN INCOME TAXES RECOVERABLE	4,318,805	AMOUNTS WITHHELD / RETAINED BY COMPANY FOR OTHERS	21,267,988
GUARANTY FUNDS RECEIVABLE OR ON DEPOSIT	1,388,083	REMITTANCES AND ITEMS NOT ALLOCATED	5,162,800
RECEIVABLE FROM PARENTS, SUBSIDIARIES AND AFFILIATES	28,883,847	PROVISION FOR REINSURANCE	5,984,384
OTHER ASSETS	1,680,021	PAYABLE FOR SECURITIES LENDING	25,883,585
		OTHER ACCRUED EXPENSES AND LIABILITIES	317,888
		TOTAL LIABILITIES	\$ 3,361,771,891
		CAPITAL STOCK	\$ 8,480,000
		PAID IN SURPLUS	433,803,780
		OTHER SURPLUS	2,089,072,233
		TOTAL SURPLUS TO POLICYHOLDERS	\$ 2,600,356,013
TOTAL ASSETS	\$ 5,921,827,924	TOTAL LIABILITIES & SURPLUS	\$ 5,921,827,924

STATE OF CONNECTICUT)
COUNTY OF HARTFORD) ss.
CITY OF HARTFORD)

MICHAEL J. DOODY, BEING DULY SWORN, SAYS THAT HE IS VICE PRESIDENT - FINANCE, OF TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, AND THAT TO THE BEST OF HIS KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT STATEMENT OF THE FINANCIAL CONDITION OF SAID COMPANY AS OF THE 30TH DAY OF JUNE, 2023.

Michael J. Doody
VICE PRESIDENT - FINANCE

NOTARY PUBLIC

SUSAN M. WEISSEBDER
Notary Public
My Commission Expires November 30, 2027

SUBSCRIBED AND SWORN TO BEFORE ME THIS
18TH DAY OF AUGUST, 2023

