



**INCREASING PHYSICAL SAFETY  
FOR MEMBERS OF CONGRESS,  
STAFF, POLICE AND VISITORS**

# AGENDA

- Welcome
  - **Representative Dave Joyce**
- Four Types of Physical Protection
  - **Regina Larkin**, Director, Strategy, ShotStop Ballistics, LLC, OH
- Innovations in Protection Materials
  - **Will Franklin**, Retired US Army Special Forces Officer and Owner, OpVault LLC, VA
- Safer Designs for Capitol Hill
  - **Mike Slate**, President, Slate Solutions, FL
- How to Protect Yourself During a Threat
  - **MAJ Cody Bishop**, Investigations & Narcotics, Greenwood County Sheriffs Office, SC
- What's Next?
- Q&A

REPRESENTATIVE  
DAVE JOYCE (R-OH-14)



Architect Of The Capitol Outlines \$30 Million In Damages

NPR, February 24, 2021

**DC Security Costs To Total Nearly \$1 Billion By March 15, Pentagon Estimates**

Daily Caller, February 8, 2021

**Ohio National Guard security detail after Jan. 6 cost state \$1 million**

Ohio Capitol Journal,  
February 23, 2021

**Capitol fencing built after riot to cost at least \$19 million through March as lawmakers debate future**

USA Today, February 25, 2021

**California spent \$19M on security around state Capitol amid fears of civil unrest during inauguration**

KTLA, January 21, 2021



# REGINA LARKIN: FOUR TYPES OF PHYSICAL PROTECTION



# WILL FRANKLIN: INNOVATIONS IN PROTECTION MATERIALS



## CERAMIC PLATES

- Normally shatters upon impact
- Requires more care and maintenance
- Only lasts about 5-7 years
- Very thick, reduces mobility when worn and limited in other applications because of the thickness

## METAL PLATES

- Armor-piercing bullets are specifically designed to defeat steel armor
- Absorbs the energy from the bullet and then redirects its trajectory
- Heaviest of all the materials used limited for other applications because of the weight



THE NATIONAL INSTITUTE OF JUSTICE SETS THE LIFETIME STANDARD ON MOST BODY ARMORS AT FIVE YEARS.

# INNOVATIONS IN PROTECTION MATERIALS

## PLASTIC IS THE NEWEST INNOVATION IN BALLISTICS PROTECTION, IMPACT/BLAST RESISTANCE

- Ultra-High-Molecular-Weight Polyethylene (UHMWPE) is rated as the most durable thermoplastics for protection.
- High-tensile strength threads layered in multiple interlocking patterns (similar to weaving) add density and greater energy absorption performance without adding weight
- Proven to be 15 times more abrasion-resistant than carbon steel.

## BENEFITS

- Lightest/thinnest ballistics protection
- Can be used in custom applications such a retrofitted to doors, desks, vehicles, etc. due to its light weight
- Does not react to chemicals
- Reduces friction with anything it touches, allowing it to move freely and last longer than ceramic and steel
- Can stop multiple bullets in the same place without cracking, deflecting, or reducing its effectiveness.

THE NATIONAL INSTITUTE OF JUSTICE SETS THE LIFETIME STANDARD OF MOST PLASTICS AT 10 YEARS



# MIKE SLATE: SAFER DESIGNS FOR CAPITOL HILL

## HOW DO WE MAKE CAPITOL HILL SAFER?

- Post 9/11, plastic ballistic protection is now used in airplane doors due to its lightweight.
- Plastic ballistics protection and impact resistant panels allow for custom applications to make barriers, walls, and everyday items safer.
- The weight and thickness of plastics allows for protection to be present without harming the aesthetics of the Capitol Complex.
- Transparent impact-resistant glass and glazes offer discrete intruder and ballistic protection at vulnerable entries.

**BallisticBoard**  
For Custom Ballistic Applications  
Stops all handgun rounds

**Custom Application Uses**

- **CONSTRUCTION** - Internal and External Walls, Roofing, Flooring
- **RESIDENTIAL** - Safe Rooms, Stand-Alone Panels
- **RETAIL** - Convenient Stores, Cash Checking Stores, Jewelry Stores
- **FASHION** - Backpacks, Purses, Computer Bags, Clothing
- **EDUCATION** - Desks, Doors, Bookshelves
- **MILITARY** - Armored Vehicles, Shooting Ranges, Buildings
- **LAW ENFORCEMENT** - Vehicle Door Panels, Ballistic Clipboards
- **COMMERCIAL** - Banks, Airports, Data Storage Facilities
- **GOVERNMENT** - Courtrooms, Public Buildings
- **TRANSPORTATION/UTILITIES** - Shipping Containers, Utility Pipes/Lines/Towers

**9mm**  
Speer Gold  
Dot Law  
Enforcement  
Duty Ammo  
124 Grain  
GDHP

**.45 cal**  
Speer Gold  
Dot Law  
Enforcement  
Duty Ammo  
230 Grain  
GDHP

**.40 cal**  
Federal  
Premium Law  
Enforcement  
Ammo  
165 Grain  
Tactical HP

**THICKNESS**  
0.12" (3.05mm)

**WEIGHT**  
0.6 lbs (0.27kg)  
per sq ft

MAERZ USA



# CAPABILITES FOR CAPITOL HILL

- Plastics can mold to different curvatures which allow existing structures, pieces, and furniture to be retrofitted to become bulletproof and impact resistant.
  - Desks
  - Chairs
  - Dias
  - Podiums
  - Barrier walls
  - Entrances

SAFER DESIGNS FOR  
CAPITOL HILL



# MAJOR CODY BISHOP: HOW TO PROTECT YOURSELF DURING A THREAT

- **Identify** what is happening
- **Scan** your environment
- **Know** your surroundings
- **Utilize** the protections you have

## **REMEMBER**

- Panic causes chaos, stay calm
- Be proficient with every move you make
- Be educated of equipment you have, training on equipment is essential



“After my 2nd mission out, carrying 85lb. in gear, I started discarding gear – I ditched my plates. I ran through Iraq in a warzone wearing soft body armor knowing damn well that 90% of what they were going to shoot at me would go right through me. I figured I’d pray more and HIDE more!

...fast forward to being a first responder, we have some active shooters, Case Western and others, and no one had any armor — nobody thought we needed it, and nobody wanted to pay for it. Then, I got on the SWAT team, and they came and showed me a really thin, light little thing they were calling armor and I was like, ‘No way, they’re going to blow right through that’! So, I took it out for testing, and I was wrong, I was blown away by the results. This thin little plate not only withstood my test rounds, but I shot all my bullets at it! Nothing went through! That’s something I can wear everyday and be 100% confident in its performance.”

**CDR Mark DePhillips, Retired Marine Special Forces Sniper Trainer,  
Retired SWAT Officer, Fire Fighter/EMS**

“We were amazed to witness the durability of both [plastic] plates after having shot them with such powerful ammunition at a close range...we now have a renewed confidence in the body armor that we wear and rely on daily.”

**Sheriff AJ Louderback, National Sheriff's Association**





## WHAT'S NEXT?

# INVEST IN SAFETY NOW

- Ask Sergeant at Arms to enable easy use of protective tools.
- Call House and Senate supply stores to request protective tools be available for Congressional offices.
- Consult experts on how to better protect your offices, Member, and staff.
- See resources: <https://www.G2Gconsulting.com/safetyresources>
- Urge Architect of the Capitol and Capitol Police to invest in safety by:
  - Making all entrances bulletproof and impact resistant
  - Lining doors with ballistic material and Members can line their doors in the Hill and district offices
  - Replacing windows with bulletproof material
  - Protecting Members and staff with personal ballistic boards or body armor that is always with them
  - Including safety tools within every Members' safety bag
  - Providing training to Members and staff that's similar to fire drills so they are prepared to respond in a threat situation

# QUESTIONS?

PLEASE SUBMIT QUESTIONS BY TYPING THEM INTO THE Q&A BOX.