LEGAT ARCHITECTS

(RE) Thinking Security and Safety in the School Environment: Inviting to the Community and Safe for our Children

Medinah School District 11

LearningSCAPES 2018

November 2, 2018
1. Introductions
2. School Security Strategies
3. Workshop – Security Concerns
4. Case Studies
5. Design Workshop
6. Essential Planning Courses of Action
Agenda

1. Introductions
2. School Security Strategies
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Introductions

Dr. John Butts
Superintendent, Medinah SD 11

Jay Johnson
Principal, Legat Architects

Paul Timm
Vice President, Facility Engineering Assoc.

Robin Randall
Principal, Legat Architects
1. **Introductions**
2. **School Security Strategies**
3. **Workshop – Security Concerns**
4. **Case Studies**
5. **Design Workshop**
6. **Essential Planning Courses of Action**
Presenter Background

- Vice President, FEA
- Physical Security Professional (PSP)
- Published Author: School Security
- SCAT Member (NOVA)
- Assessments, Emergency Planning, Instruction, Expert Witness
- paul.timm@feapc.com

Facebook: safeschools1
Twitter: @schoolsecurity
LinkedIn: paultimm PSP
Top Concerns

• Emergency Preparedness
  ✓ Active Shooter
  ✓ Severe Weather

• Access Control

• Enhanced Communications

• Video Surveillance
Key #1 - Collaboration

• Top-Down Commitment
  ✓ Example
  ✓ Documentation
  ✓ NIMS

• Accountability
  ✓ Performance Evaluation
  ✓ Practices

• Mass Notification
Medinah School District 11

Staff Skills Survey & Inventory

Name & School _________/__________

Name  School  Room #

Please indicate the areas that apply to you.

PLEASE CHECK ANY OF THE FOLLOWING IN WHICH YOU HAVE EXPERTISE & TRAINING.
CIRCLE YES OR NO WHERE APPROPRIATE.

__First Aid (current card yes/no)   __ CPR (current yes/no) __ Triage
__ Firefighting   __ Construction (electrical, plumbing, carpentry, etc.)
__ Running/Jogging/Physical Fitness     __ Emergency Planning
__ Emergency Management __ Search & Rescue
__ Law Enforcement __ Bi/Multi-lingual (what language(s)) _____________
__ Mechanical Ability    __ Structural Engineering
__ Bus/Truck Driver (CDL yes/no)     __ Shelter Management
__ Survival Training & Techniques __ Food Preparation
__ Military Experience (current) (reserves/national guard yes/no)
__ CB/Ham Radio Operator __ Journalism __ Camping
__ Waste Disposal __ Recreational Leader

DO YOU KEEP A PERSONAL EMERGENCY KIT? _____________ In your car? _______
In your room? _______

DO YOU HAVE MATERIALS IN YOUR ROOM THAT WOULD BE OF USE DURING AN EMERGENCY?
(i.e., athletic bibs, traffic cones, carpet squares, first aid kit, tarps, floor mats, etc.)

_____ Yes     _____ No

DO YOU HAVE EQUIPMENT OR ACCESS TO EQUIPMENT OR MATERIALS
AT YOUR SCHOOL SITE THAT COULD BE USED IN AN EMERGENCY?

_____ Yes     _____ No

PLEASE LIST EQUIPMENT AND MATERIALS:

Developing ICS
Key #1 - Awareness

• Culture
  ✓ Briefings
  ✓ Positive Incentives

• Teacher / Staff Development
  ✓ Security Education

• Prior Knowledge
  ✓ “See Something, Say Something”
Awareness Training

- Staff, Students, Parents
- Outside Organizations
- Community
Key #3 - Involvement

• Youth & Early Adopters
  ✓ Relationship

• Safety Initiatives
  ✓ Instruction
  ✓ Technology & Social Media
  ✓ Surveys
  ✓ Incentives
Access Control

- Visitor Management
  ✓ Software
- Electronic Access
  ✓ NFC / Bluetooth
- Controlled Vestibule
  ✓ Laminated Glass
Classroom Security

- NFPA Codes
- ADA Standards
- Security Concerns
Communications

- Labeled Telephones
  - “All Call”
- Intercoms
- Public Address
- Two-Way Radios
- Cellular Phones
- Social Media
Emergency Preparedness

- Bomb Threats & Suspicious Mail
- Crisis Flipcharts/Apps
- Emergency Supplies
- Drills & Exercises
- Mass Notification
Active Assailant Procedures

• Lockdown
  ✓ “Plus Options”
• Run, Hide, Fight
• Today’s Strategy:
  ✓ Empower
  ✓ Assess
Security Resources

- STOP School Violence Act of 2018
- dhs.gov/what-to-do-bomb-threat
- dhs.gov/active-shooter-preparedness
- youtube.com/watch?v=Xs5x7SBx3eQ
- youtube.com/watch?v=5VcSwejU2D0
- about.usps.com/securing-the-mail/suspiciousmail.htm
- https://training.fema.gov/is/courseoverview.aspx?code=IS-100.c
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Homeland Security Education Center (HEC)
Homeland Security Education Center (HEC)
HEC: Mock Courtroom / Auditorium

Medinah School District 11
Medinah School District 11

HEC: First Floor Plan

- Corridor First Responder Display
- 9/11 Memorial Beam
HEC: 9/11 Memorial Beam
HEC: First Floor Plan

FIRST FLOOR PLAN

Interior Immersive Street Lab
Exterior Training Tower

Medinah School District 11
HEC: Interior Immersive Street Lab
HEC: Interior Immersive Street Lab
HEC: Exterior Training Tower
HEC: Police Recruit Lab
HEC: N.I.M.S. / Command Center
HEC: Reconfigurable Smoke Maze
Homeland Security Training Center (HTC)
HTC: First Floor Plan

Range Preparation
Tactical Firing Range
Virtual Simulator
911 Call Center
HTC: Range Preparation

- Gun Cleaning Education
- Safety Protocol
- Training / Debriefing Room
- View Through Control Room to Range
HTC: Tactical Firing Range

- Shooters Move
- Running Man Targets
- Stationary Interval Targets
- Vehicles Access Capability
- Specialty Lighting
Virtual Simulator

- 300-degree Immersive Training Environment
- Multiple, Altering Scenarios
- Translates into Real World Survival Skills
HTC ‘911’ Dispatcher Training

• “Conductor” of First Responders
• Gatherer of Relevant Information
• Assigns Priorities to Specific Emergencies
Exterior Tactical Village Master Plan

Industrial
Outdoor Training
Burn Tower
Pond & Garden
Agency
Program
Underground
Parking Structure
Training Boulevard
Overhead
Connection
Food Court
Rifle Range Below with
Training Frame Above
Tactical Training
Surface
Commercial
Simulation

Law Enforcement/
Firearms
Fire/ Rescue
Agency
Program
Driving
Course
Agency
Program

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Exterior Tactical Village Master Plan

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Exterior Tactical Village Master Plan

1. COMMERCIAL
2. TACTICAL VILLAGE
3. RESIDENTIAL
4. SCHOOL HOUSE
5. HELIPAD
6. FUTURE EXPANSION
7. 2S YARD RANGE
8. 50 YARD RANGE
9. 150 YARD RANGE
10. ADVANCED DRIVING COURSE
11. DRIVING COURSE AND SKID PAD
12. WATER RESCUE
13. RAIL SPUR
14. AIRPLANE CRASH SITE
15. ELEVATED TRACK
16. BURN TOWER
17. BURN HOUSE
18. SHORING AND TRENCHING
19. VEHICLE CRASH SCENARIOS
20. RUBBLE PILES
21. MAIN ENTRANCE
22. HAZARDOUS MATERIALS

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Exterior Tactical Village Master Plan

Medinah School District 11
Exterior Tactical Village Master Plan
Cuyahoga Community College – Phase II
Site Plan Safety

• Separate Bus Drop-off
• Separate Vehicular Parent Drop-off
  ✓ Allows Parents to Watch Child Walk to Controlled Entry
• Parking Lot Barrier Elements
Controlled Entry Features

- Single Point of Entry
- Visual Control
- Video/Intercom System
- Video Surveillance System
- Sliding Pass-Thru Window
- Physical Separation
- 911 Distress Buttons
- Access Control Door Hardware
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Essential Planning Courses of Action

- Assessment Procedures
- Reporting Procedures
- Notification Procedures
- Evacuation / Shelter-in-Place / Hide, Run, Fight
- Emergency Responder Coordination
- Access Control Systems
- Video / Intercom Systems
- Video Surveillance Systems
- Accountability / Chain-of-Command
- Communications Management Procedures
- Short-term Recovery Procedures
- Long-term Recovery Procedures
- Preparation of Emergency Preparedness Kits