

# Denver Special Events Safety Workshop

Elements of an Effective Special Events Emergency Action Plan (EAP)



## WELCOME

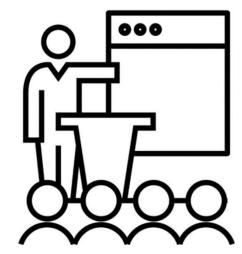
David Powell

Denver Office of Emergency Management



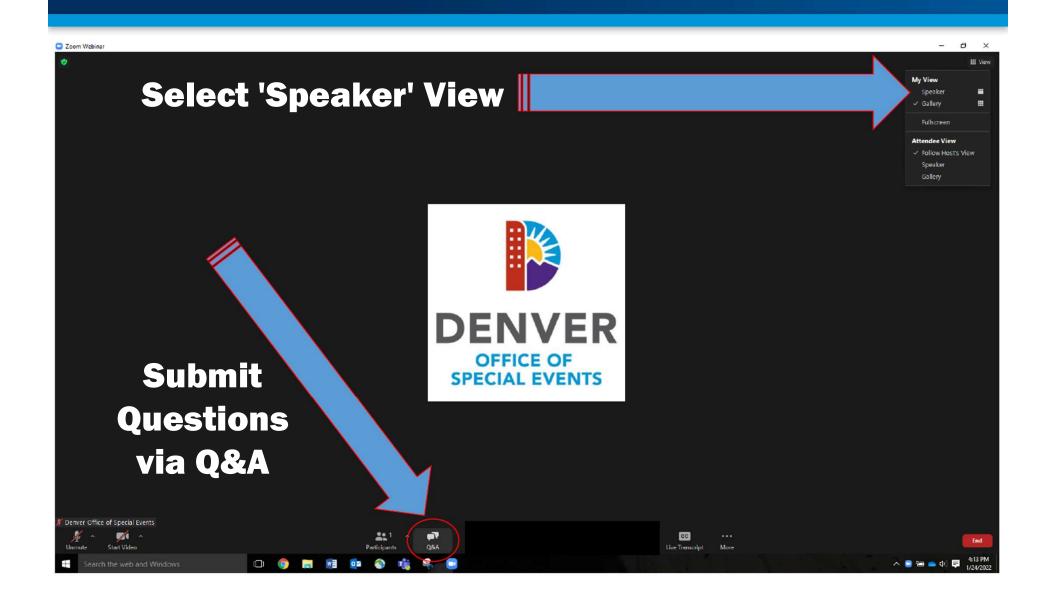
#### **Presentation Overview**

- 1) EAP Overview; Communications Plan
- 2) Risks to Events
- 3) Health and Medical Plan
- 4) Site Maps; Access
- 5) Security Components
- 6) Q&A





### **Optimize Your Zoom Experience**





# EAP Overview / Communications Plan

Nate Hayden

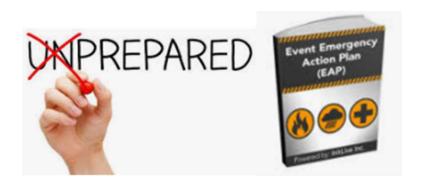
Denver Office of Special Events



## **Planning Can't be Done Alone**

- Create a culture of awareness
- Build a team to create and maintain your EAP
  - event staff and volunteers
  - vendors and contractors
  - other events/networks/associations
  - community
  - city departments
    - DFD, DPD, EMS, DDPHE & OEM
    - OSE, DPR, DOTI, etc.







### **Check it out!**

#### OSE Education Page <a href="https://www.denvergov.org/OSEEducation">www.denvergov.org/OSEEducation</a>

Welcome to OSE's collection of Lunch and Learn and Forum recordings and other resources for event organizers.

Check back often! New recordings and resources will be added as they become available.

Not finding what you were looking or hoping for? Let us know what education programs and resources you'd like to see.

2022 Special Events Forum Recording, Slides and Resources (1/26/22)

Denver Fire Department Compliance and Fees Lunch and Learn (1/19/22)

OSE Moves into City Ordinance Lunch and Learn (8/16/21)

Event Emergency Plan Resources (updated 12/21)

Event Safety Workshop presentation slides (2020)

Event Safety Workshop presentation slides (2019)

Denver Office of Emergency Management's training calendar and other resources

Colorado Emergency Preparedness Partnership (CEPP)

Counterterrorism Education Learning Lab® (CELL®

DenverGov.org 311



## **Components of an EAP**

- Who, what, when and where
  - collaborate with partners
  - assign responsibilities
  - add elements to site map
  - evaluate risk
  - define emergency processes
  - define emergency thresholds
  - include checklist and quick references
  - discuss, train and exercise the plan

TOPIC	PAGE
Event Description	2
Event Site Map	3-4
Ingress / Egress Points for Emergency Responders	5
Emergency Evacuation Points and Shelters	6
Communications Plan	7-9
Crisis Communications Plan	10-12
Emergency Medical Plan	13
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Lost Child / Adult Procedure	21
Expo Vendor Area	22
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Parking Plan	24
Race Day Timeline	25
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Identifying Heat Stroke in people and pets	29-31







## **OSE Application**

- Step 7 on the OSE application
- Upload at least 30 days prior to event

#### ∧ ■ 7 Special Event Emergency Action Plan

Required

#### CLOSE REQUIREMENTS ^

Safety and security details specific to your event must be included in your Emergency Action Plan in conjunction with your Health and Medical Plan.

A Special Event Emergency Action Plan (EAP) clearly defines the processes to be followed in the event of an emergency occurring during a planned Special Event. Every EAP must be tailored to site-specific conditions as well as the scope of the event, the risks to spectators and participants, community impact, and the support (including personnel, equipment and logistics) required. Please upload your EAP at least 30 days prior to the event date.

Components of an effective Special Event EAP include:

1. Event description:



## **Each Event/Plan is Unique**

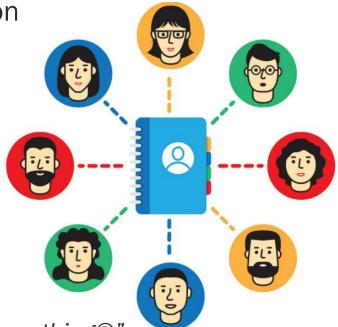
- Event description
  - dates, times & location
  - how many people
  - demographics
  - type of event space
    - indoor/outdoor
    - fenced or open
  - activities and entertainment
    - music/performances
    - alcohol
    - games/rides





#### **Communications Plan**

- Communications plan elements
  - contact information
    - phone, group text, email, radio channels, social media, apps
  - command post or 'headquarters' information
  - documentation
    - plans
    - incident reports
    - permits
  - procedures
    - missing person/child/reunification
    - civil unrest activities within or near event
  - signage
    - exits, first aid, water stations
    - how to report "If You See Something, Say Something®"





#### **Communications Plan**

- Set procedures beforehand
  - when will you cancel/postpone the event?
    - what weather thresholds will be in place?
  - who makes the decision?
    - group/collaborative
- Notifications to attendees, staff, vendors, contactors
  - how will you communicate with each group?
- Pre-scripted messaging
  - what is the hazard
  - how will it affect the attendees
  - what attendees should do

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#### **Example - Contact List/Calling Tree**

#### **COMMUNICATIONS PLAN**

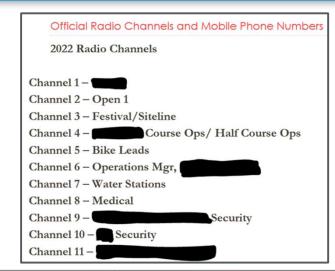
#### Staff and Key Contacts List

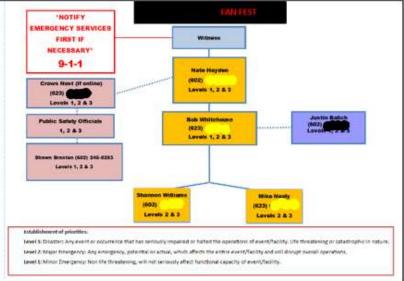
#### Communications:

- Race Director, Volunteer Manager, PA Announcer, and Logistics / Registration Company all have walkie-talkies.
- · All committee members and key personnel can communicate via cell phone. (

First Name	Last Name	Position	Mobile Phone	Email
Jeanene		Race Director Site Security Manager	720-	@Colo-OvarianCancer.org
Judith		Volunteer Director	303-	msn.com
Shannon		Dir of Operations	720-	@doneanddoneeventslic.
		Course Manager Logistics		com
Ron	(S) (C) (C)	PA Announcer	720-	gmail.com
Rick		EMT Manager	720	@comcast.net
Michelle		Communications Manager	303-	GomezHowardGroup.co
Kay		Survivor Tent	303-	
Patrice		Expo / Vendor Area Manager	303-	
Jan		Refreshment Zone Manager (near finish line)	720-	aol.com

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### **Example – Messaging**









## **Takeaways**

- Be specific! Don't make assumptions
  - assign responsibilities
  - make sure everyone knows their role

Responsible

Accountable

- ensure there is a clear chain of command
- trainings
- safety and situational awareness is everyone's responsibility

Consulted

Informed







# Questions?





# Risks to Special Events What are they and how do I prepare?

Courtney Bernet
Office of Emergency Management





- 1. Identify your hazards
- 2. Understand where you are vulnerable
- 3. Describe steps toward increased preparedness
  - Ensure awareness of available resources
- 4. Know what decisions and actions to take when an emergency happens



## **Identify Your Hazards**

- Extreme temperatures (winter/summer)
- Severe thunderstorms (rain, hail, wind)
- Tornadoes
- Severe winter weather
- Earthquakes
- Fire

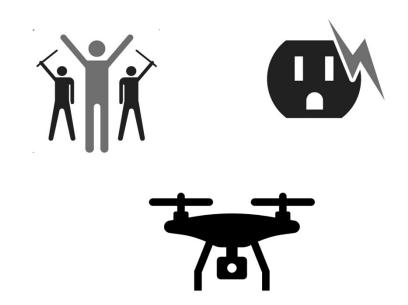


Consider likelihood, severity, extent, consequences



## **Identify Your Hazards**

- Active assailants
- Unmanned aircraft systems ("drones")
- Power or water outage
- Cyber or communication system threats
- Social unrest

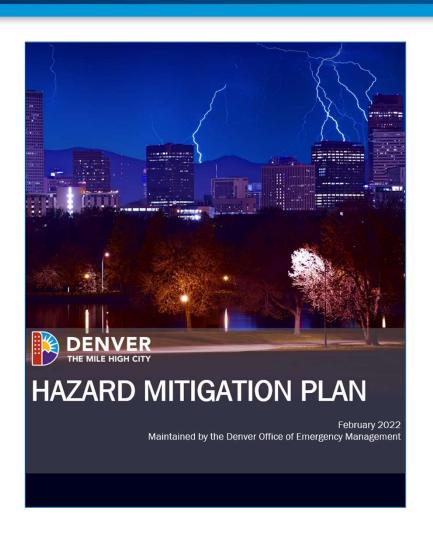


Consider likelihood, severity, extent, consequences



### **Learn more about your Hazards**

- Denver's Hazard Mitigation Plan
  - Community Profile
  - Denver Hazard Profiles
  - Mitigation Strategy
- Denver OEM
   Website>City Emergency
   Plans><u>Hazard Mitigation</u>





# Understand Where You Are Vulnerable

#### Location

- Indoor vs. outdoor
- Parade vs. fixed venue

#### Ingress/Egress

- Ticketed vs. open
- Open access
- Limited egress
- Concealed areas

#### Attendees

- Adults, families, kids
- Large crowds
- Publicized events
- Vulnerable populations

#### Staffing Experience

- Limited security staff or procedures
- Volunteer or part time staff

Lack of planning, training, exercising



## DENVER THE MILE HIGH CITY So Now What... How Do I Prepare?

- Event type + hazards + vulnerabilities = possible consequences
  - Don't forget to consider these factors together
  - Now, prioritize
- Identify preparedness actions for attendees
- Develop steps to take when the emergency happens and train your staff



#### **Empower Attendees**

- How can I help my event attendees prepare?
  - Check weather
  - Based on hazards you identified tell your attendees what to do/bring/prepare ahead of time
  - How should they tune in to updates and announcements? Website, social media, app?
  - Encourage the public to make emergency evacuation and reunification plans with their friends or family that don't involve technology-based communication



## **Empower Your Staff**

- How can I prepare my team?
  - Assign roles and responsibilities for situational awareness and emergency response ("weather watcher," "social media monitor")
  - What decisions will I need to make?
    - What are the thresholds to take action?
  - What actions will I tell attendees to take (e.g., shelter, evacuation, event cancelation)
- How will you alert staff and attendees to take those actions?





- Don't over-complicate it
- Be aware of your surroundings before and during your event
- When you are identifying solutions, remember there is no perfect solution:
  - Be creative what resources are accessible to you?
  - Build relationships with local community





# Questions?





# Health and Medical Plan Elements

Maggie Copeland

Denver Department of Public Health and Environment



#### Why is thinking about medical coverage important?

- Isolated Medical Emergencies
- Evacuations
- Weather related issues
- Terrorism-large scale





#### **Rules and Regulations**

- Establishes emergency medical requirements coordination at public events held on public property open to the public
- Scalable for special events of certain sizes and footprints
- Key requirement is the development of a Health and Medical Plan (HMP) – submit 30 days in advance
- Each HMP is reviewed by DDPHE and EMS Paramedics



#### **Health and Medical Plans**

#### At minimum, HMP's shall include the following elements:

- Event Size and Type
- Nature of the Event identify the type of activities at the event
- Estimated Participant Numbers
- Onsite Medical Coverage and Assets
- Communications Plan
- Ingress and Egress
- Environmental Considerations weather, shade or cooling stations, water available, etc.
- Link to HMP Template





- Automated External Defibrillator (AED) is used to help those experiencing sudden cardiac arrest. It's a sophisticated, yet easy-to-use, medical device that can analyze the heart's rhythm and, if necessary, deliver an electrical shock, or defibrillation, to help the heart re-establish an effective rhythm.
- Basic Life Support (BLS) is a variety of noninvasive emergency procedures performed
  to assist in the immediate survival of a patient until they can be given full medical
  care at a hospital, including cardiopulmonary resuscitation (CPR), defibrillation,
  hemorrhage control, stabilization of fractures, spinal immobilization, and basic first
  aid. BLS is provided by trained medical personnel including emergency medical
  technicians.
- Advanced Life Support (ALS) is a set of protocols and skills that extend BLS for sustaining life including the advanced diagnosis and protocol-driven treatment of a patient in the field such as defibrillation, airway management, and administration of medications. Generally, ALS is performed by paramedics
- Small footprint events are contained within a footprint that can be walked within a few minutes, typically not longer than a city block for a street.



#### **HMP Matrix**

Event Characteristics	Recommended Medical Providers and Assets							
Estimated Total Attendees	Communication Coordination	CPR, AED and 911 Access	On-site BLS	On-site ALS	On-site ALS and Physician	On-site Standby Ambulance	Mobile Medical Teams	Multiple Aid Stations
Small Footprint								
<2,500		REQ	SUG					
2,500 - 5,000		REQ	REQ	SUG				
5,000 - 10,000	SUG	REQ	REQ	REQ	SUG		SUG	
Large Footprint								
<2,500		REQ	SUG					
2,500 - 5,000	SUG	REQ	REQ	SUG			REQ	
5,000 - 10,000	SUG	REQ	REQ	REQ			REQ	
10,000 - 25,000	REQ	REQ	REQ	REQ	REQ	REQ	REQ	SUG
25,000 - 50,000	REQ	REQ	REQ	REQ	REQ	REQ	REQ	SUG
50,000+	REQ	REQ	REQ	REQ	REQ	REQ	REQ	REQ





- Attendance expectations
- Anticipated alcohol/drug use
- POC for event, security, and medical coverage
- Medical Coverage being used to cover event (even if just AED/CPR)
- Critical thinking and planning for potential event risks and hazards



#### **HMP Template**

#### SPECIAL EVENTS HEALTH AND MEDICAL PLAN (SAMPLE)

Event Name:		Date(s):			
Denver		3/13/2020-3/15/2020			
egistered neighborhoo and Market St. features	nnual community event in De d association. The Irish-them local community partners ar ate St. Patrick's festivities.	ed festival-style event on 21	ented by Ballpark Collective, the st Street between Lawrence St. s option for food, drink, and		
Event Staff On-Site 3/13/2020-3/15/2		Event Staff On-Site Time:			
Event Start Time: 1/13/2020 - 5:00PM		Estimated Event End Time: 3/15/2020 - 7:00PM			
Outdoor Open Access Outdoor Fenced Outdoo  Projected Attendee Numbers: 7,500  Event Primary Safety/Medical Contact Organization: Ballpark Collective		Is Alcohol Being Served at Event: Yes ✓ No			
		Partner:			
Primary Phone: 303-	Alternate Phone:	Primary Phone: 920-	Alternate Phone:		
Primary Event Med	lical Provider				
Organization: Med	fical				
Contact Person:		Primary Phone: 716-	Alternate Phone:		
		ordination Center Locat enver CO 80205	ion		

Are radios being used for event operations?				
Yes No		Yes / No		
y Provider	t salitin si in			
	Primary Phone	Alternate Phone		
Chaz Chaz				
	ost / Coordination Center	Location (if different		
MC	D. H. Chanal	T Dhamas		
Primary Event Coordinator, Event Day:		Phone: 303		
Primary Event Safety/Medical Contact:		Phone: 920-		
Medical Provider Lead:		Phone: 716		
oup/Channel:	Assignment: 1			
d Assets		80		
Number	Asset Type	Number		
1	AED Devices	1		
1	Bicycle Medics	0		
1	ATV/Motorcycles	0		
0	Standby Ambulance	0		
	Aid Stations	0		
	Cooling and Hydration	1		
	Transport Ambulances	0		
d Issues	1			
	y Provider  Security Command Political Contact:  Medical Contact:  d:  Number  1 1	Primary Phone 410  Security Command Post / Coordination Center  inator, Event Day:  Radio Channel:    Needical Contact: Radio Channel:   Security Radio Channel:   Radio Channel:   Radio Channel:   Radio Channel:   Radio Channel:   Radio Channel:   Assignment: 1     Assets		





# Questions?





# Event Site Map: location, access and life safety considerations

Technician Chuck Dugue Denver Fire Department



#### **Responsibilities for Events**

- What we look for
  - Where we place apparatus for citizen protection
  - How we line people on the street
  - Jersey barriers versus fencing
  - Access to standpipes/hydrants
  - Explosive gas amounts and explosive protection distance
- All Major Events in the city
  - In addition to those covered by the office of special events
  - We have responsibilities for all major events
    - Multiple venues
    - Concerts
    - Sporting events
    - Convention center







- Map must be detailed
- What infrastructure will be there and where will it be set up?
- If someone called 911 from anywhere in the event footprint and described the surrounds, would a 911 dispatcher be able to look at your map and know exactly where to send help?

















- Public entrances and exits
- Emergency exits and fence breaks
- Fire/emergency access lanes
- First aid
- Emergency responder staging area
- Fire extinguishers
- Fire hydrants
- Open flames, cooking grills
- Back of house/boneyard

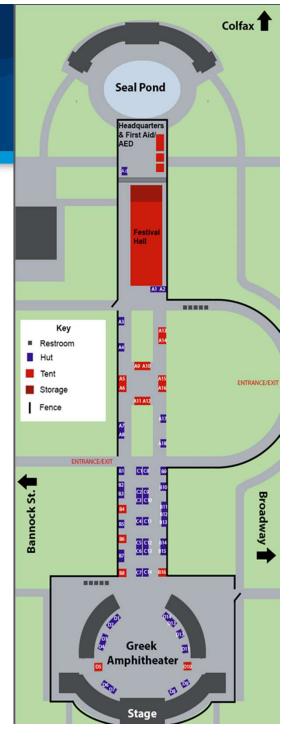


#### **Example Site Plan**

This site plan is good, but we would like to see more detailed information:

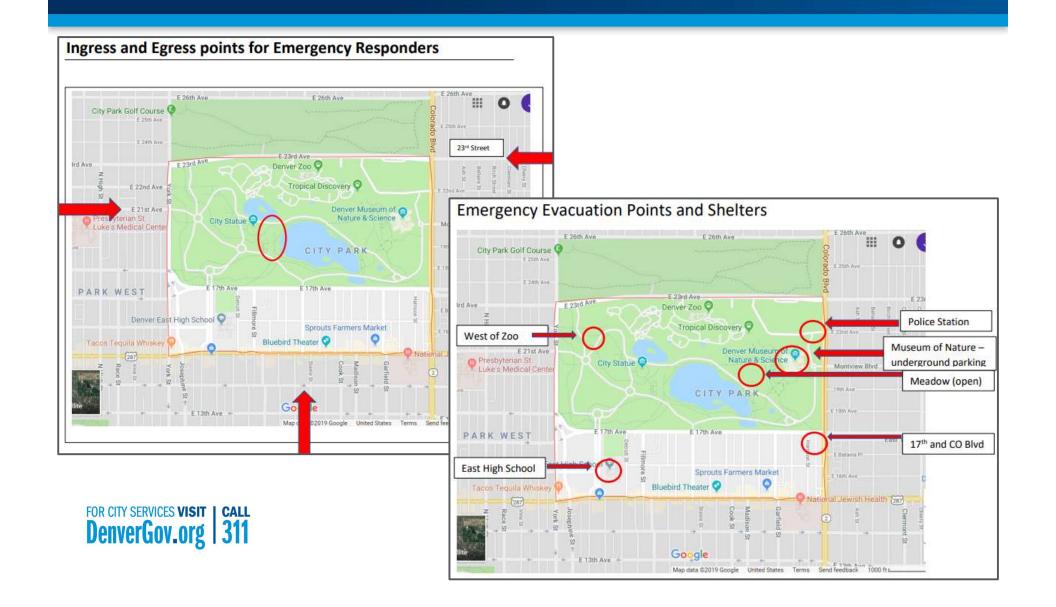
- Surrounding streets with access/egress paths for EMS, Fire, and PD
- Location of buildings, tents, fencing, barriers, food trucks, generators, propane use and any other hazards
- Hydrant locations including any barriers between there and the event
- Indication of all entrances/exits including emergency exits
- Inclusion of event site maps at all entrances for both the public and to assist emergency responders

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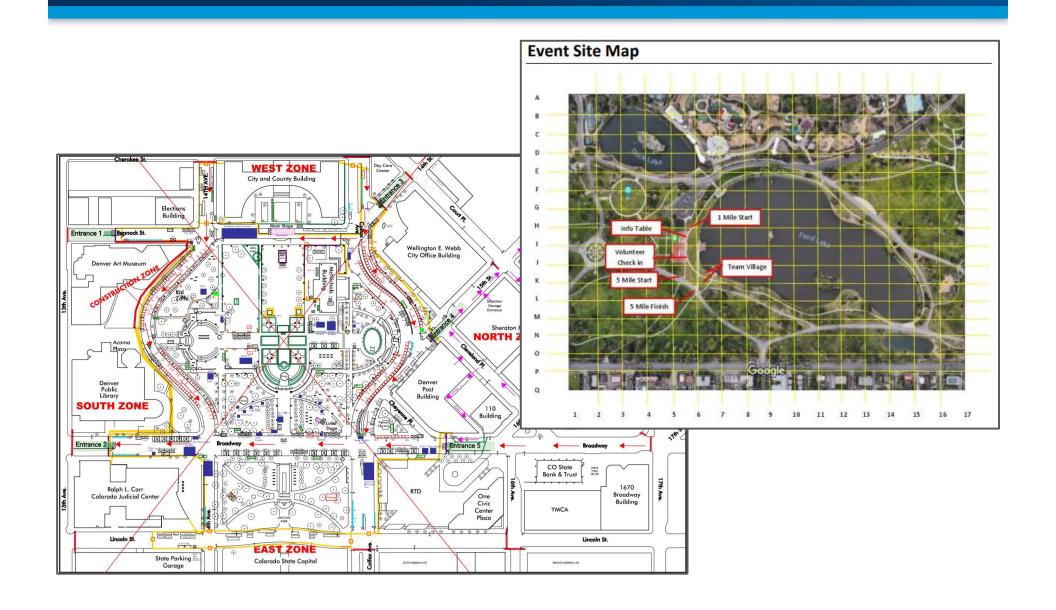


#### **Site Map Examples**





#### **Examples of 'Zones'**







# Questions?





# Special Event Security Considerations

Commander Michael O'Donnell

Denver Police Department



#### **Security Considerations**

- Type of event
- Event details
- Current threat level
- Barricades/fencing
- Security personnel
- Searches
- Ingress/egress
- Communications
- Police security
- Emergency plan

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				SECURITY PLA	NNI .			
VEN	T NAME & DA	TE(S):	3	SECURITY PL	AN			
IVENT NAME & DATE(S):								
1) Ho	w many of the fo	ollowing securit	y personnel do you	u propose to ha	ve at the event?	()		
A.	# of properly li Will security gu Guard Compan Phone #:	ards be armed?	guards: ? Yes No	ă.				
В.		curity staff from	the organization a	applying for the	license:			
C.	C. # of existing security staff from the venue/location designated to cover the event:  Name: Phone #: Email:							
D.	# of volunteers	:						
					SECURITY	PERSONNEL TO	TAL:	
	II all security list Yes 🔲 No, so		(above) be presen gered.	t during the en	tire event?			
	- 12 AV - M - AV - AV - AV - AV - AV - AV -		X 36,000000 X					
	mmunication an What commun		Methods (s) will security staf	f utilize during	the event? (radio	cell phones etc.)	_	
			of security staffing			and the same of th		
c.	Describe duties	assigned to sec	curity staff (e.g. searc	thing at entrances, I	badge checking, crow	d monitoring, emerg	ency evacuation, etc.)	
	ENT DETAILS			<b>-</b>		·	1	
			en to the public	Invitation on	ly   Member/	Guests only	licketed	
	alcohol be serve If yes: Where wil		』No /ed? ☐ Througho	ut the entire ev	ent Only in	Beer Garden(s)		
			se describe what ty				ve.	
			erage alcohol consi	umption? (e.g. w	ristbands, separate a	rea, hand stamps, et	c.)	
В.	f yes: How will y	ou prevent und						
			<u>Liquor Service</u> end	l-times for each	day of the event	1		
	List the <u>Event</u> en		857		day of the event Liquor Sale-E			
	List the <u>Event</u> end	d-times and the	<u>Liquor Service</u> end					
	List the <u>Event</u> en	d-times and the	<u>Liquor Service</u> end					



#### **Type of Event**

- Location
- Day/time
- Crowd size
- Demographics
- Parking
- Public/private
- Ticketed
- Conflicting events

M	Denver Polic	e Departmen	it ● Special Events Unit Qu	estionnaire	
			a - openia zvenia omi qu		
	- 50		Yes No	2 🗆	
	10 00		ions on marijuana-themed even		
8) Wha	t is the anticipa	ited total daily a Date	ttendance each day of the event Total Daily Attendance	? (Include attachments if necessary.)  Max. Peak Attendance	7
	Day 1:				
	Day 2:				
	Day 3:				
10) Wil A. 11) Wil	l there be any t If yes: Please d	lescribe type and	N:  ng or barriers at the event?  d location. (Include attachments if new		
<b>12)</b> Hov	w will you addr	ess Noise Contro	ol?		
<b>13)</b> Wh	at type of Even	t Parking will yo	ou have?		
<b>14)</b> Wil	I there be and I	Fireworks or Pyr	otechnics in connection with thi	s event? Yes No	





- Entertainment
- Vendors
- Noise
- Food
- Alcohol
- Marijuana





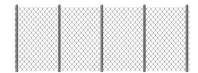


- Enforce boundaries, disallow concealment, and control crowds
- Make investments that improve physical security based on: Deter, Detect, Delay, Defend



#### **Barricades & Fencing**

- Meridian (vehicle)
- Bicycle
- Jersey
- Snow
- Chain link











### **Vehicle Mitigation**









#### **Security Personnel**

- Properly licensed
- Adequate staffing
- Availability load-in, event days(s) and overnight





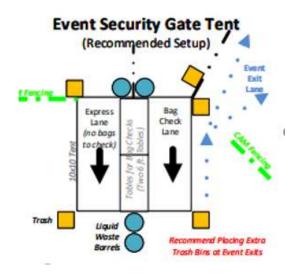
#### **Screening/Searches**

- DPD (CCW cannot deny)
- Control lines / spilling into street



- Magnetometer
- Hand
- Wand
- Bags







### **Police Security**









# Questions?



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## Reminder - check it out

### OSE Education Page <a href="https://www.denvergov.org/OSEEducation">www.denvergov.org/OSEEducation</a>

#### **Education Programs and Resources** OSE has expanded its annual half-day Safety Workshop to a WEEK of educational safety programming March 1 - 4. Free in-person and virtual sessions are available. Find out more. Event organizers! Invite your vendors to OSE's Event Vendor Lunch and Learn: How to Avoid Fines through Licensing and Compliance on Wednesday, March 9, 11:30 am - 1 pm on Zoom. City staff will present important info and answer participant questions. Learn more. Welcome to OSE's collection of Lunch and Learn and Forum recordings and other resources for event organizers. Check back often! New recordings and resources will be added as they become available. Not finding what you were looking or hoping for? Let us know what education programs and resources you'd like to see. 2022 Special Events Forum Recording, Slides and Resources (1/26/22) Denver Fire Department Compliance and Fees Lunch and Learn (1/19/22) OSE Moves into City Ordinance Lunch and Learn (8/16/21) Event Emergency Plan Resources (updated 12/21) 2021 Special Events Forum Recording, Slides and Resources (1/28/21)

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## Reminder – next week

#### Event Vendor Lunch and Learn: Increase Compliance and Avoid Fines

Wednesday, March 9, 11:30 am – 1 pm Virtual on Zoom

#### Attention Event Organizers and Vendors!

Join the Office of Special Events and other City staff to get important vendor updates for the 2022 event season.

Staff representing the Department of Public Health and Environment, Department of Excise and Licenses, and the Denver Fire Department will share important information to help event organizers and vendors understand and comply with Denver regulations and requirements and answer participant questions.



Event organizers – please invite any and all vendors you plan on working with in 2022 to this Lunch and Learn.



# Thank you!



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