

TORONTO PEARSON



Toronto Pearson

International Airport | Aéroport International

LANDSIDE
SECURITY

WHY:

- SHIFT IN TERROR TACTICS
 - ACTIVE ASSAILANT
 - HOSTILE VEHICLE (HV) ATTACKS
 - VEHICLE BORNE IED ATTACKS
 - SOFTER TARGETS
 - LONE WOLF MO

ACTIVE ASSAILANT

- ▶ Public Areas / Areas of Mass Gathering
 - ▶ Check in and passenger processing areas
 - ▶ Baggage claim
 - ▶ Meet and Greet areas



Rome & Vienna: Airport Attack Against U.S. & Israel December 1985

- Israeli and US ticket counters were attacked by terrorists in the Rome and Vienna international airports.
- 120 were wounded, 20 were killed: 5 were US citizens

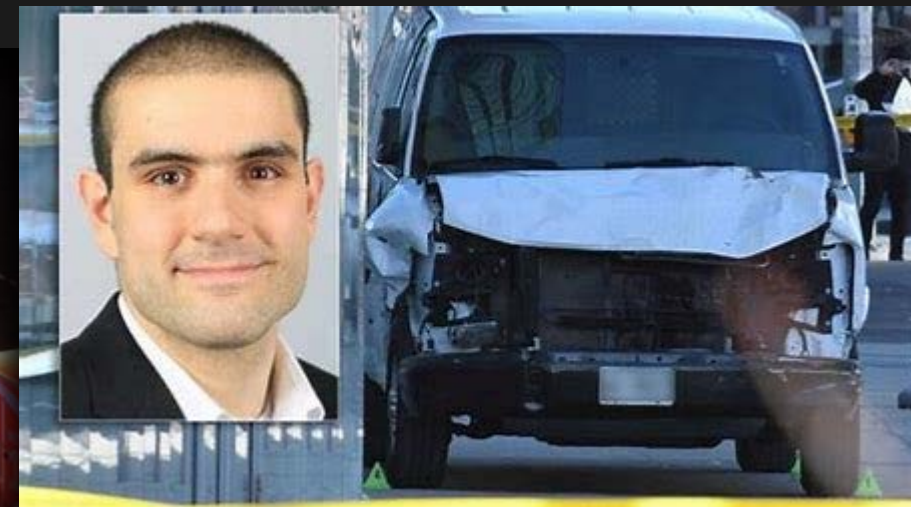


Left
and
Right:
images
of
attack
in the
two
airports



HOSTILE VEHICLE ATTACKS

- ▶ Easy to acquire
- ▶ Simple planning
- ▶ Potential mass casualties

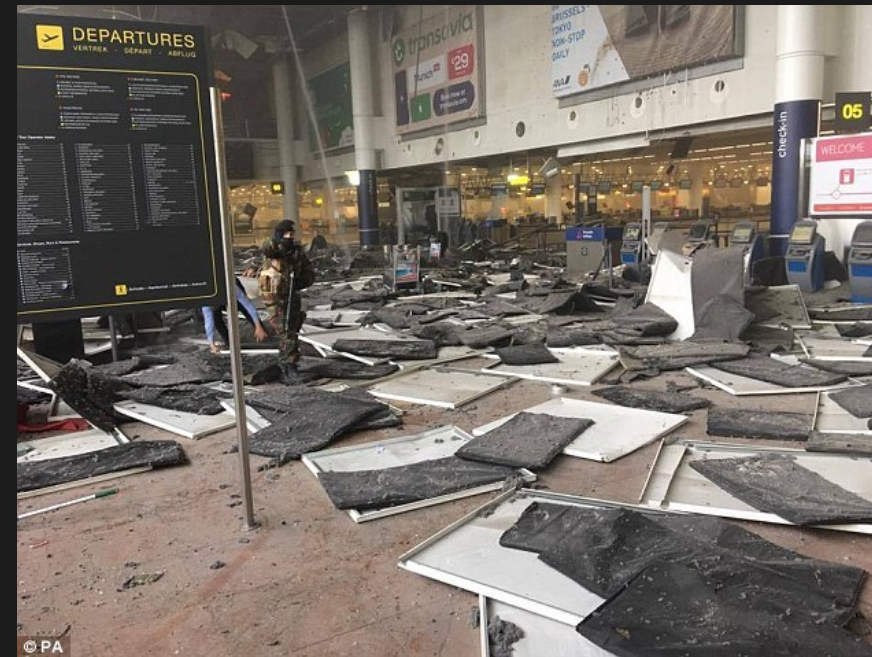


VEHICLE BORNE IED

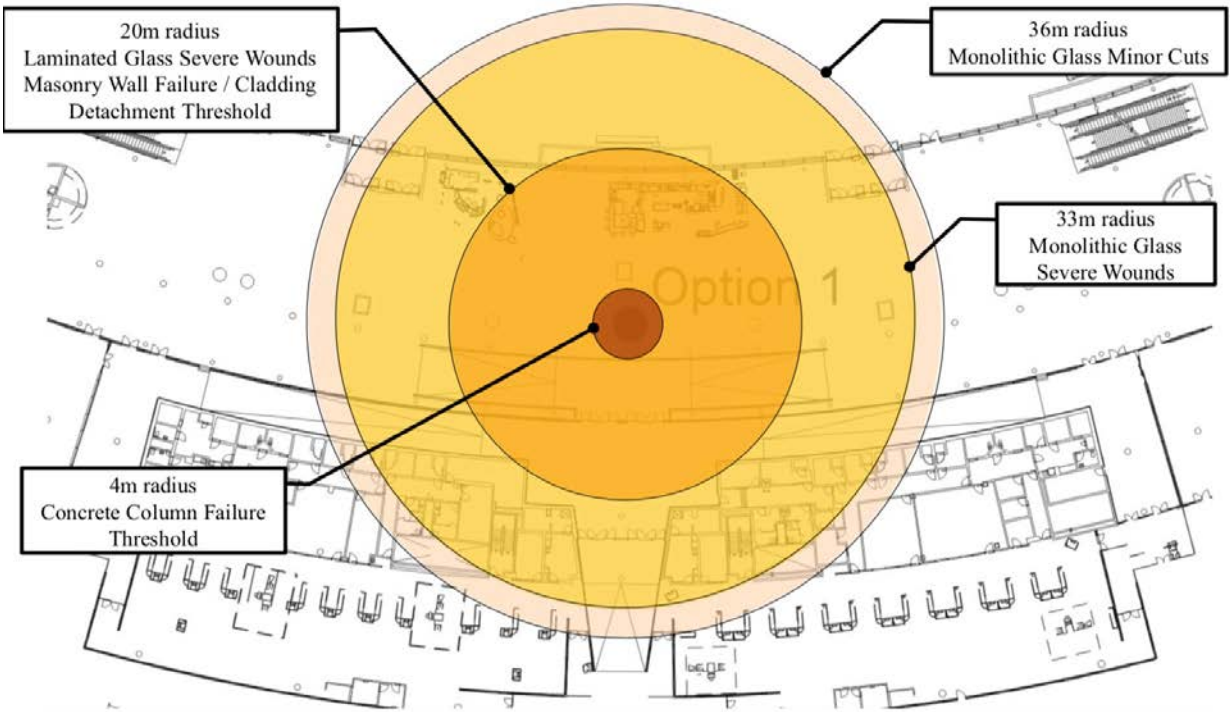
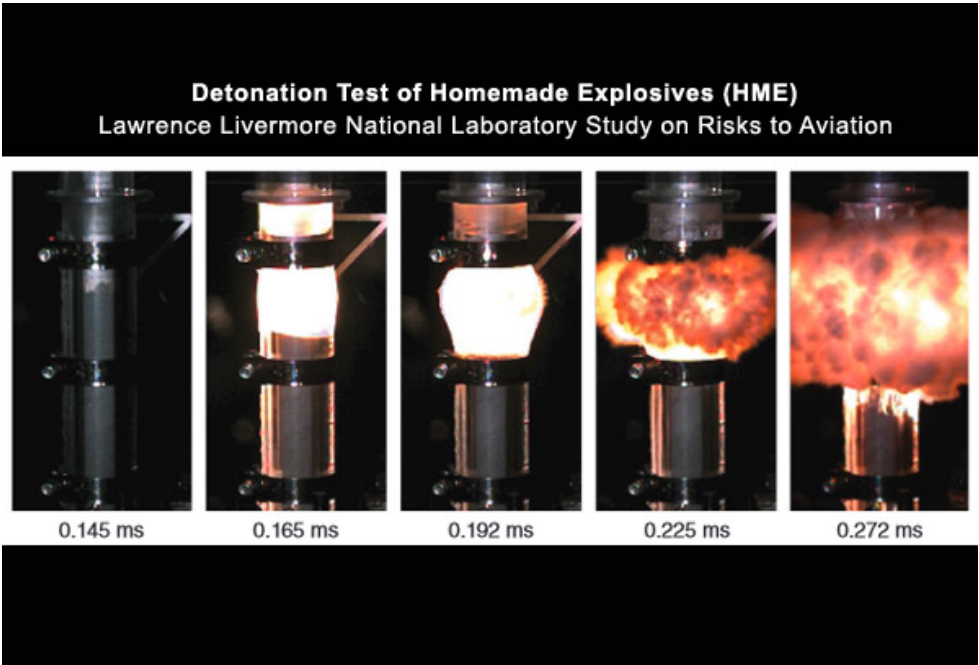
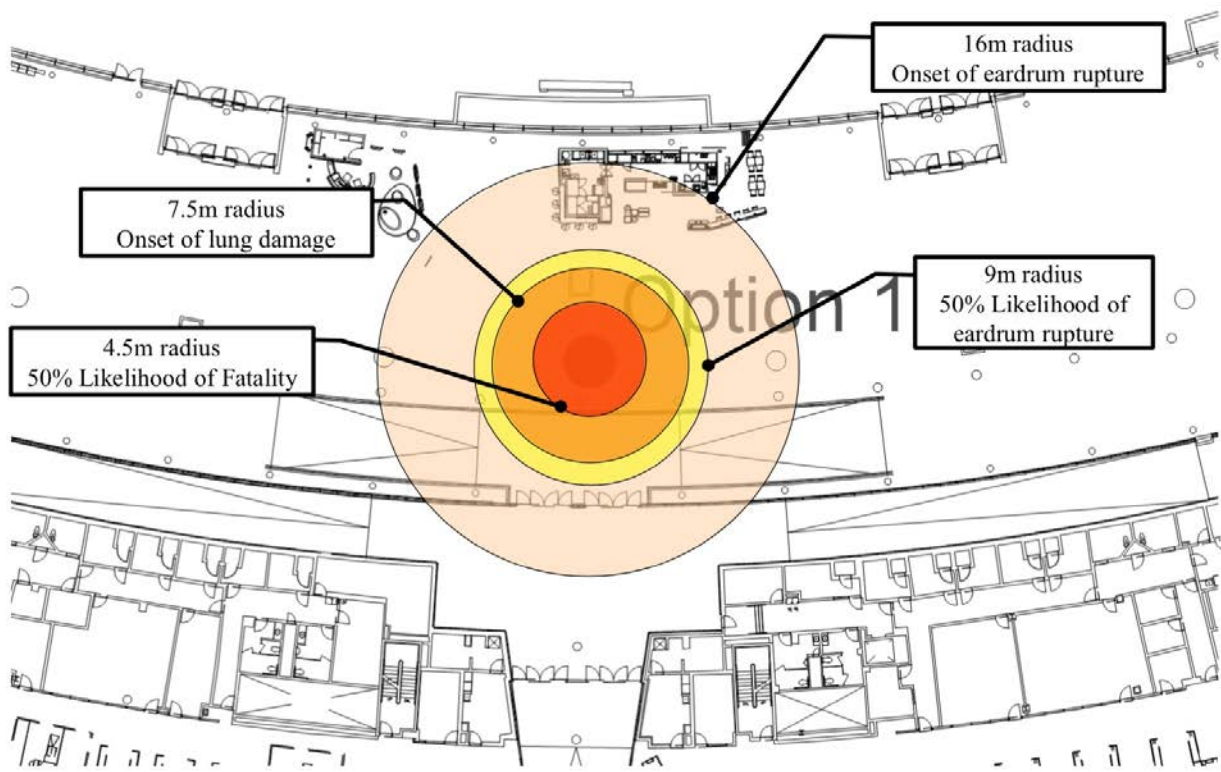
- ▶ Explosive building tactics are ever evolving.
 - ▶ Household items
 - ▶ Online instruction
- ▶ Difficult to detect
 - ▶ Use of common vehicles
 - ▶ Blend in to passenger drop off and pick up



SOFTER TARGETS



UNDERSTANDING IMPACT



THE THREAT ENVIRONMENT

Threat	Actor	Location	Description
Improvised Explosive Device	Any	Public areas	Simply constructed IED to attack public area of airport. (E.g. Brussels and Istanbul Airports)
Vehicle Borne Improvised Explosive Device	Any	Public areas	A vehicle-borne IED used to attack a public area of aerodrome. (E.g. Curbside ATB attacks, parking garages, etc.)
Firearm / Bladed Weapon	Any	Public areas	Active Shooter/Bladed Weapon attack in a public area of an aerodrome.
Hostile Vehicle	Any	Public Area	Use of a vehicle as a weapon on members of the public or infrastructure. (E.g. vehicle ramming – Barcelona, Nice, Berlin, London attacks)



Infrastructure	Location	Description
Terminal Departures Areas	Public areas	Both terminals: <ul style="list-style-type: none">- Check-in and bag drop areas- Passenger drop off areas- Pre-board screening areas- Pre-security screening retail areas
Vehicle Curbs / Roadway Systems/ General Vehicle Access Areas	Public areas	Both terminals: <ul style="list-style-type: none">- Arrivals, departures and service levels (T1 only).- Inner curbs and outer curbs- Parking structures- Loading docks- HVAC bridge (from CUPP over the 409 adjacent to Viscount bridge)
Terminal Arrivals Areas	Public areas	Both terminals: <ul style="list-style-type: none">- Arrivals meet and great- Domestic baggage halls with public access- T1 Level 2 bridge over Domestic baggage hall- T1 Level 2 Mezzanines (Booster Juice and Tim Hortons)
Support Infrastructure	Public areas	<ul style="list-style-type: none">- Cogen Plant- CUPP- South switching unit- East Comm hub- Firehall 3- Tank farm- APM- UP Express line on airport property- GTAA Admin Building- PIFFC- Sewer lifts (T1 outbound road to 409. Renforth Rd location)

0: Camera 1

Oct 19 / 17:23:16

1: Camera 1

Street

Camera 1

Mode

Automatic

Manual

Stop 1/1

100

Source: Recognizer 1

Plate: P003YO97

Quality: 75

Speed: 20 kmph

Date: 19-06-2007 17:23:15

Print report...

Pass #8631

Protocol	Search	Local Lists
8671PM40	05:23 PM	Recognizer 1: outgoing
P003YO97	05:23 PM	Recognizer 1: outgoing
Pass #8631		
C646HM30	05:23 PM	Recognizer 1: outgoing
D124BT97	05:23 PM	Recognizer 1: outgoing
M442DX97	05:23 PM	Recognizer 1: outgoing
T69ETV97	05:23 PM	Recognizer 1: incoming
D282OM97	05:22 PM	Recognizer 1: outgoing
E500C197	05:22 PM	Recognizer 1: outgoing
Pass #1321		
X7174	05:22 PM	Recognizer 1: incoming
8670HM37	05:22 PM	Recognizer 1: outgoing
P789BA97	05:22 PM	Recognizer 1: outgoing
C007OM97	05:22 PM	Recognizer 1: outgoing
Department		
0974PP99	05:22 PM	Recognizer 1: outgoing
0974PP99	05:22 PM	Recognizer 1: outgoing
T846PM30	05:22 PM	Recognizer 1: outgoing
P895T097	05:22 PM	Recognizer 1: outgoing
Pass #1323		
P149TM97	05:22 PM	Recognizer 1: outgoing
E428MT97	05:22 PM	Recognizer 1: outgoing
0045599	05:22 PM	Recognizer 1: outgoing
M197MF99	05:22 PM	Recognizer 1: outgoing
C201TA77	05:22 PM	Recognizer 1: outgoing
Hijacked		
P163OM90	05:21 PM	Recognizer 1: outgoing
Hijacked		
E228AB99	05:21 PM	Recognizer 1: outgoing
Department		
H516VA97	05:21 PM	Recognizer 1: outgoing
Department		
X261AE90	05:21 PM	Recognizer 1: outgoing

TALKING MITIGATION NO



LANDSIDE SECURITY



Greater Toronto Airports Authority
(GTAA)

**Landside Security Assessment and
Mitigation Study at Toronto
Pearson**

Vulnerability Assessment of Existing
Infrastructure

Task 3

Issue | September 24, 2018

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