

Scenario: Vehicle fire in tunnel

Side A

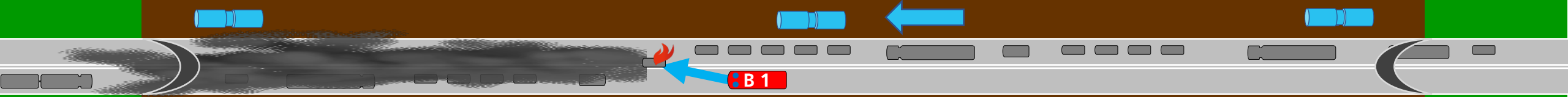
Fire services

- Two-sided attack
- Extinguish to rescue
- Police and paramedics stay outside

Operator:

- Fire protection **concept**, in particular:
 - Detection
 - Venting regime
 - Information for fire services

Side B



Highest point

Moveable symbols

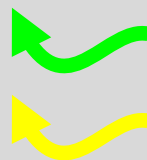
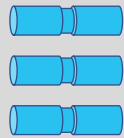


A 1

A 2

A 3

A



B 2

B 3

B

Scenario: Hydrogen fueled passenger car on fire; longitudinal ventilation
 TPRD diameter not known

Fire services

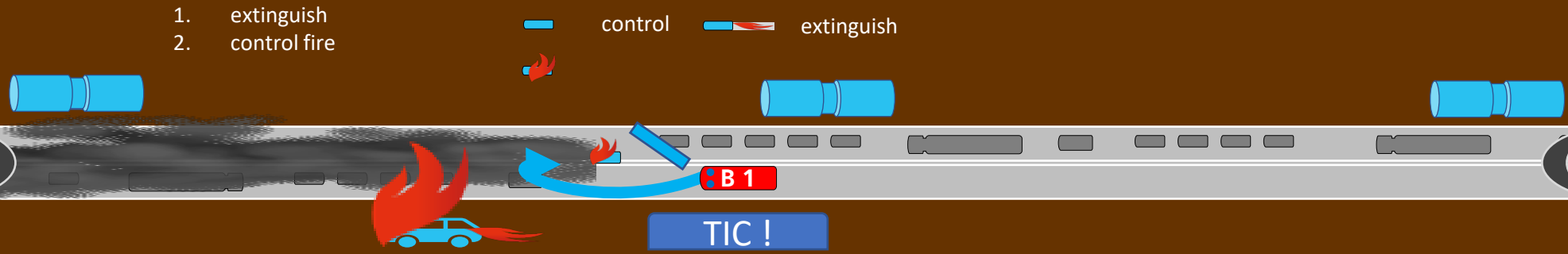
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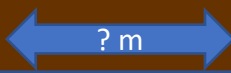
- Fire protection **concept**, in particular:
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 - Venting regime
 - Information for fire services

Side A

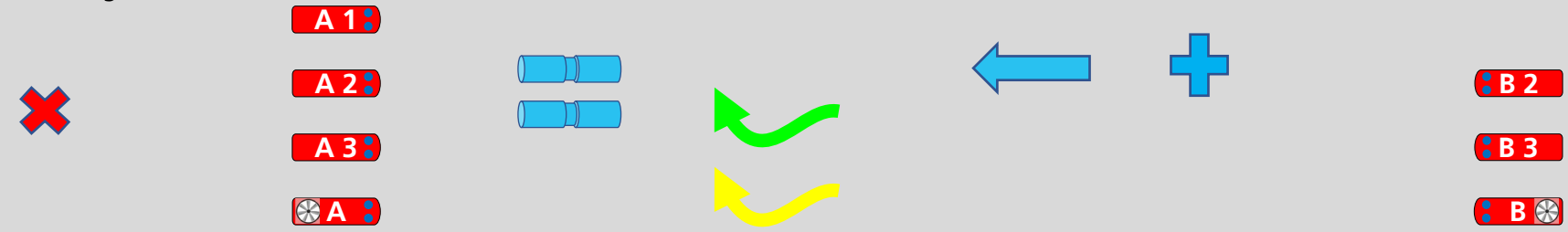
Side B



Highest point



Moveable symbols



Scenario: Hydrogen release, **no fire**; longitudinal ventilation

Side A

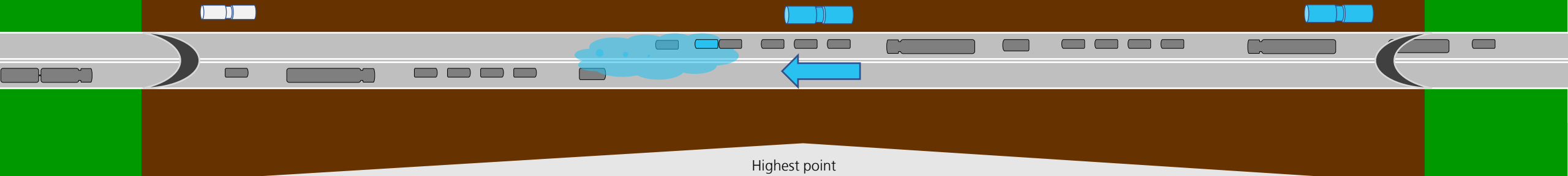
Fire services

- Two-sided attack; stay safe downstream
- Support venting
- Police and paramedics stay outside

Operator:

- Fire protection **concept**, in particular:
 - Detection
 - Venting regime
 - Information for fire services

Side B



Moveable symbols

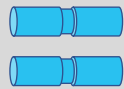


A 1

A 2

A 3

A



B 1

B 2

B 3

B

Scenario: Hydrogen fueled passenger car on fire; transverse ventilation; smoke exhaust

Side A

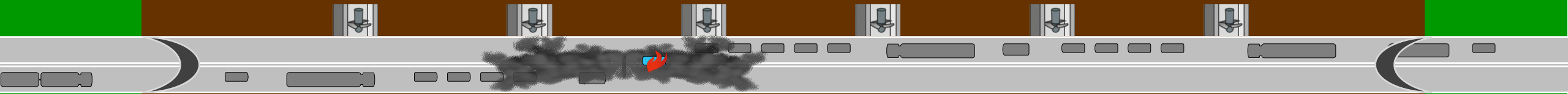
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Side B



Highest point

Moveable symbols



A 1



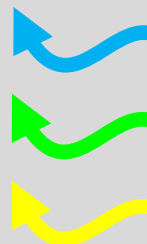
A 2



A 3



A



B 1

B 2

B 3

B

Scenario: Hydrogen release; **no fire**; transverse ventilation; smoke exhaust

Side A

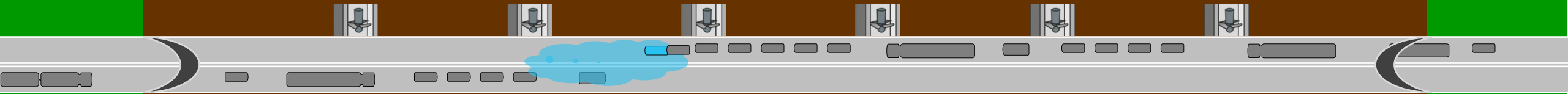
Fire services

- Two-sided attack; stay save downstream
- Support venting
- Police and paramedics stay outside

Operator:

- Fire protection **concept**, in particular:
 - Detection
 - **Venting regime**
 - Information for fire services
 - **What about LPG, CNG**

Side B



Highest point

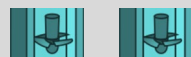
Moveable symbols



A 1



A 2



A 3



A



B 1

B 2

B 3

B

Scenario: Hydrogen fueled passenger car on fire; longitudinal ventilation

Fire services

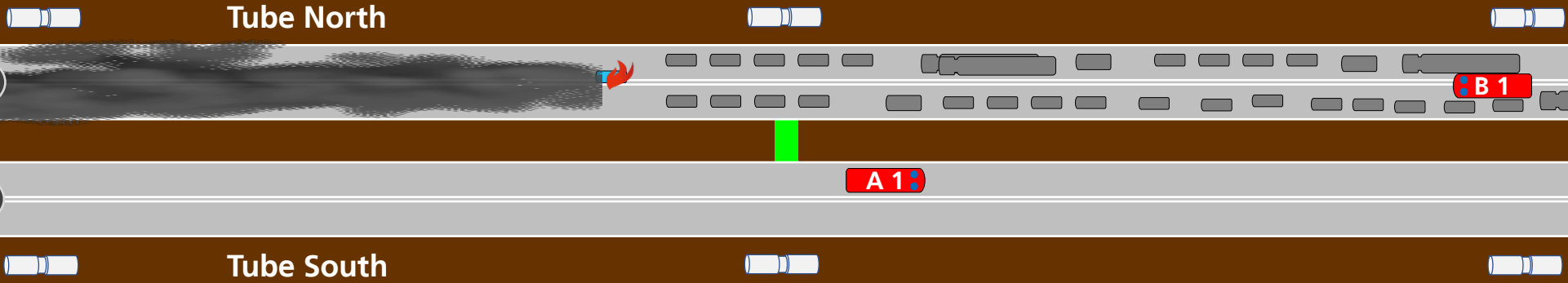
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- Extinguish to rescue
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Operator:

- Fire protection **concept**, in particular:
 - Detection
 - Venting regime
 - Information for fire services

Side A

Side B



Highest point

Moveable symbols



A 2

A 3

A



B 2

B 3

B

Scenario: Hydrogen release, **no fire**; longitudinal ventilation

Fire services

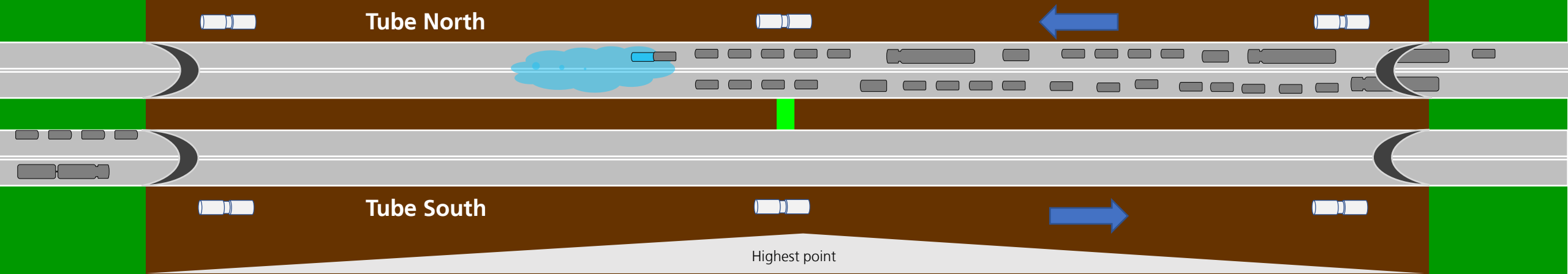
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Operator:

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 - Venting regime
 - Information for fire services

Side A

Side B



Moveable symbols

Scenario: Hydrogen fueled passenger car on fire; transverse ventilation; smoke exhaust

Side A

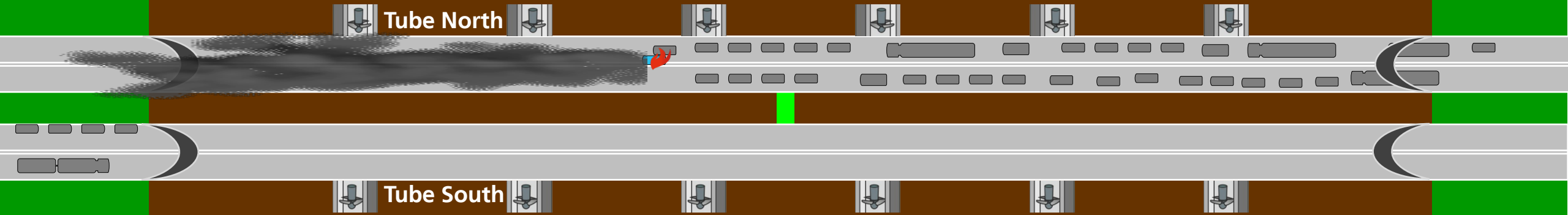
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Side B



Moveable symbols



A 1



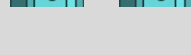
A 2



A 3



A



B 1

B 2

B 3

B

Scenario: Hydrogen release; **no fire**; transverse ventilation; smoke exhaust

Side A

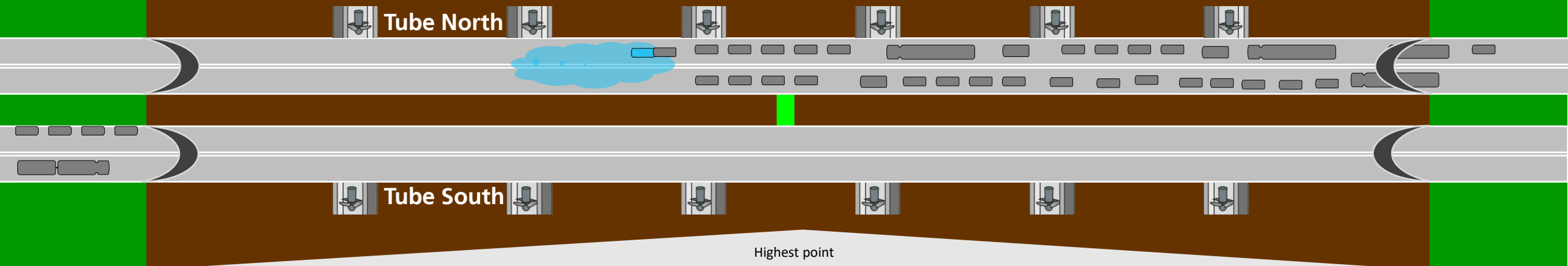
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 - **Venting regime**
 - Information for fire services
 - **What about LPG, CNG?**

Side B



Moveable symbols



A 1



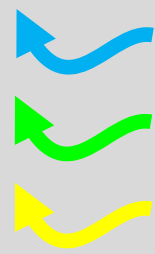
A 2



A 3



A



B 1

B 2

B 3

B