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District 3 Traffic Incident Management Team

2014 3rd Quarter
August 5, 2014

UNIVERSITY OF KENTUCKY
Kentucky Transportation Center



Agenda

- ❖ Welcome / Introductions
- ❖ Review of recent incidents
- ❖ KYTC D-3 Interstate / Parkway Major Incident Planning
- ❖ Other Updates
 - ❖ Authority Removal / Hold Harmless update
 - ❖ ICS Training
 - ❖ Future meetings

5/9/14 I-65 44 NB

- 05:00 Truck carrying 15-16 drums of auto clearcoat rear-ended a truck carrying several hundred tires. Fire involved both trailers and one tractor. 1 driver injured.
- NB traffic detoured to Cave City via Glasgow by BCEM, then KYTC. Initial traffic queue past Parkway exit turned around & cleared by 06:30.



5/9/14 I-65 44 NB

- Fire extinguishment & mop-up took about 3.5 hours due to tires smoldering.
- KYTC Barren Co had diversion TTC set within less 2 hrs of call, detour signs deployed.
- Some confusion on cleanup contractor being sent by responsible party, but was resolved after short delay.



5/9/14 I-65 44 NB

- TPM removed hazardous cargo and did site restoration. Drum removal had extended time due to number of overpack drums needed and a secondary spill during cleanup.
- Unified Incident Command (EM, Fire, KYTC) consensus was to keep roadway closed during cleanup due to flammable liquids involved.



5/9/14 I-65 44 NB

- Walkers Towing began recovery of tire truck while paint cleanup was ongoing, and removed both while traffic remained on detour.
- Total closure of NB was 8.5 hours, reopened approximately 2 pm. Detour route took about 1 additional hour to clear out.



5/15/14 US231@Natcher Pkwy

Tanker of gasoline / diesel fuel overturned in WB lanes & turn lane, only minor spill from overflow & fill hatches.

Owner pumped off contents to lighten load for uprighting operation.



5/15/14 US231@Natcher Pkwy

- Traffic flow maintained both directions using a frontage road for WB during entire incident.
- Felts Towing assisted by Walkers Towing handled recovery.
- Total time to clear approximately 6 hours



7/25/14 Cumberland Pkwy 29 EB

EB truck carrying plastic pressure pipe overturned in median in construction WZ approximately 05:30 hrs. Driver trapped, cargo scattered across WB lanes & off WB side.



7/25/14 Cumberland Pkwy 29 EB

Recovery start delayed to 10:45 hrs due to issues with truck owner & traffic shift preparation by construction contractor.

Construction contractor had to build up RH shoulder drop-off to allow EB traffic to be shifted to closed lane.



7/25/14 Cumberland Pkwy 29 EB

Alvey's Towing handled recovery of truck & cargo.

Two closures totaling 25 minutes EB, one closure 10 minutes WB were required during recovery operation. (Truck uprighting & recovery of pipe by front loader).



7/25/14 Cumberland Pkwy 29 EB

3 rollback trucks loaded with loose pipe including some recovered from steep gully on WB side of road.

Recovery & restoration of WZ TTC completed approximately 14:00



Post Incident Reviews

Can be effective way to solve problems

- *Can be requested by any agency involved in response*
- *Discuss what went well & what we can do better next time*
- *Solutions oriented - non-confrontational / non-blaming*
- *Should be within 48-72 hours*
- *KYTC District 3 IM Coordinator can coordinate*

Incident Planning

- MUTCD Ch 6 classifies incidents as:
- **Minor**—expected duration $< \frac{1}{2}$ hour
 - Incident point control by emergency responders
- **Intermediate**—expected duration $\frac{1}{2}$ - 2 hours
 - Onsite diversion of traffic around incident usually by emergency responders
- **Major***—expected duration >2 hours
 - Offsite detour, communication, TTC involving transportation & other offsite resources



Interstate / Parkway Major Incident Plan



Goal

- 1. Designate and document, in advance, alternate routes and response plan
- 2. Implement tools to communicate plan to responders and traveling public
- 3. Identify agencies / crews responsible for implementing plan in emergency responses

Everyone has a plan & is on the same plan

Interstate / Parkway Major Incident Plan

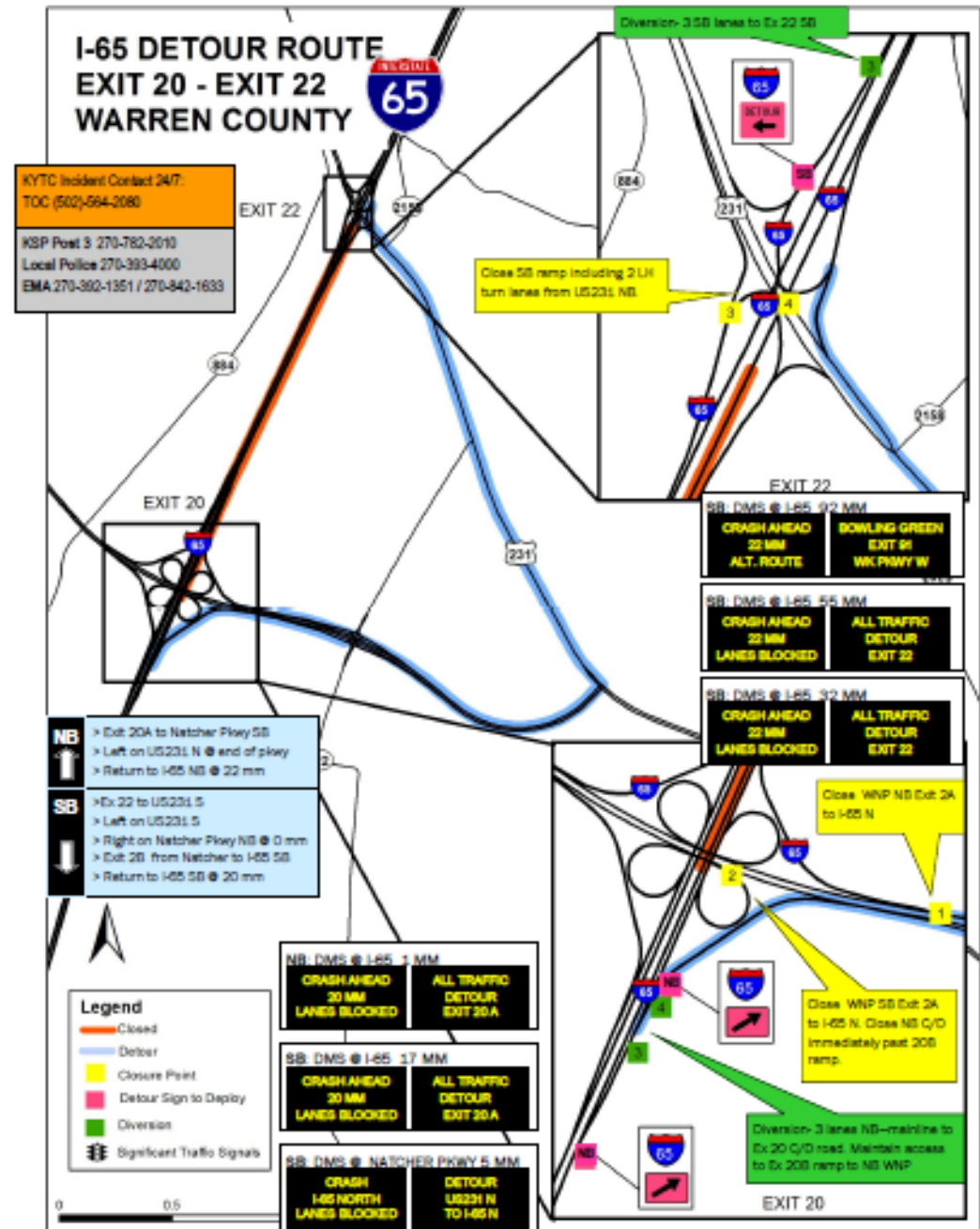
Planned results -

- **Detour route maps** – primary
- **Route signage** – combination of permanent alternate, wayfinding and pre-placed flip-down detour type
- **Control points** for diversion & access closure
- **Standardized setup** for diversion traffic control
- **DMS message templates** for TOC use
- **Assignments** for implementing & deactivating deployments including role of TOC

Completed Elements I-65

- Segment emergency plan 0.0 – 53.4 mm drafted – ready for county review
- Diversion TTC plan agreed, devices obtained & staged
 - Warren has dedicated incident TTC trailer pre-loaded
 - Barren has temporary trailer preloaded with barrells
 - Barren & Simpson trailers in purchase process
 - Butler, Metcalfe, Simpson have equipment staged.
- Sign installation almost complete
- Diversion TTC locations – some pre-marked

- Section (Exit to Exit) Plan
- Closed route map
- Primary detour route map
- Primary detour route directions
- Detour sign locations
- Diversion / access closure points
- DMS message templates
- Key primary contact info





Permanent alternate
or wayfinding signs

Use permanent
signage where
possible

Use flip-down
detour signage
only where
necessary



Flip-down detour
signs

DMS System

All KYTC DMS assets now controlled by single system

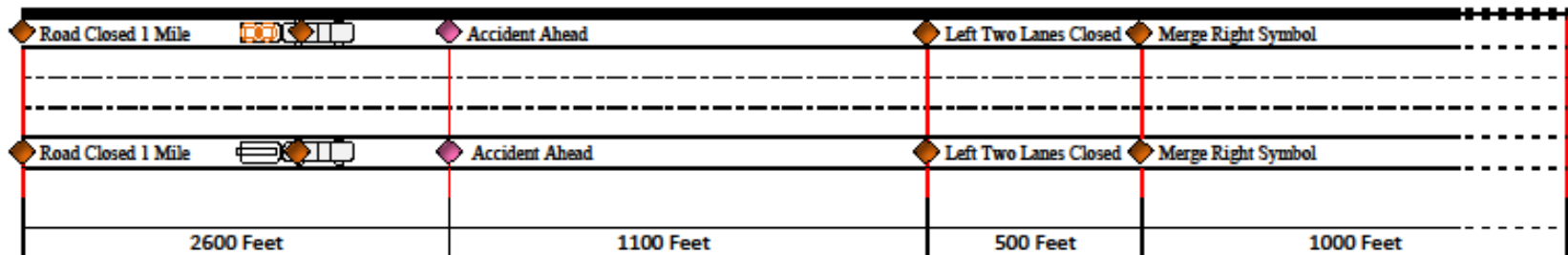
Sole control point is Transportation Operations Center (TOC) – no District control



I-65	0.2 mm NB
I-65	17 mm NB
I-65	36 mm NB *
I-65	92 mm SB
I-65	55 mm SB *
I-65	32 mm SB
WNP	5 mm SB
LNP	3 mm WB
KY446	EB
US231	6 mm NB

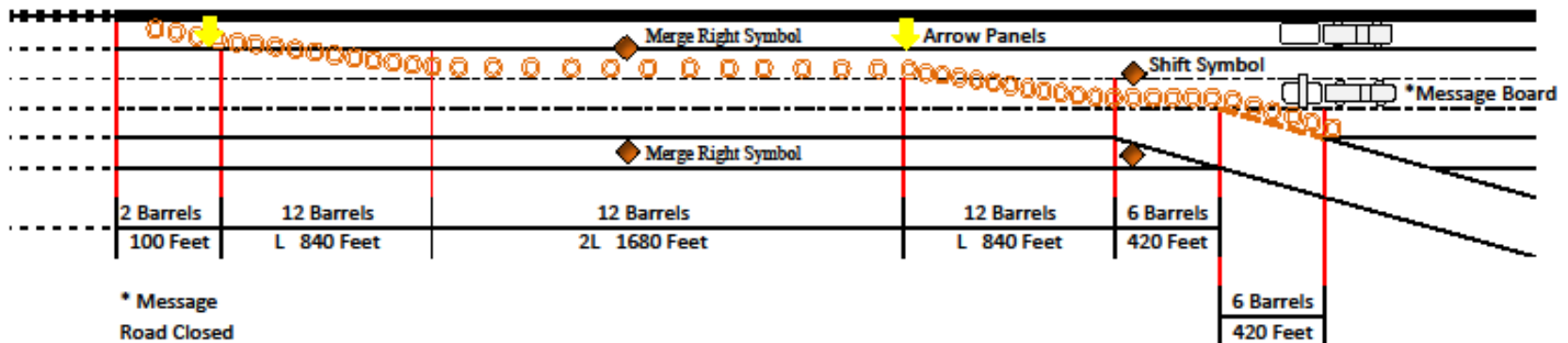
I-65 / 3 lane diversion TTC

Two Lane Closure with Exit Detour



# Signs	
Road Closed 1 Mile	2
Accident Ahead	2
Left two lanes Closed	2
Merge Right Symbol	4

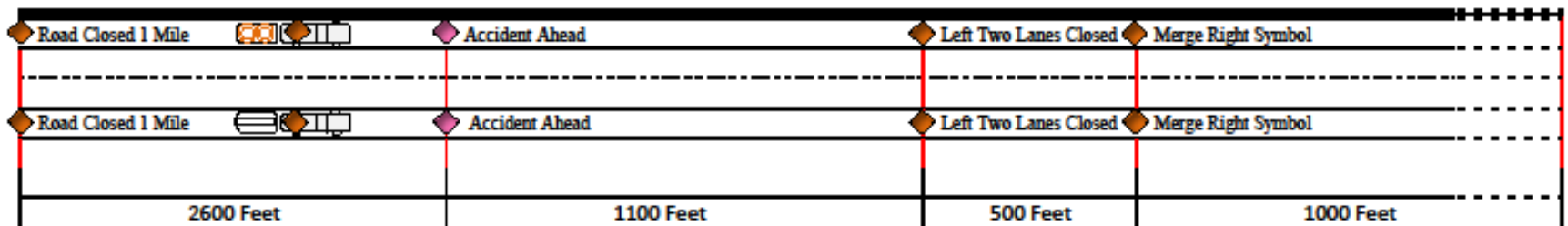
Barrel Spacing	
Tapers	1 X Speed Limit
Tangents	2 x Speed limit "two skips between each barrel"



* Message
Road Closed
Detour
Exit Now

Parkway/ 2 lane diversion TTC

Single Lane Closure with Exit Detour

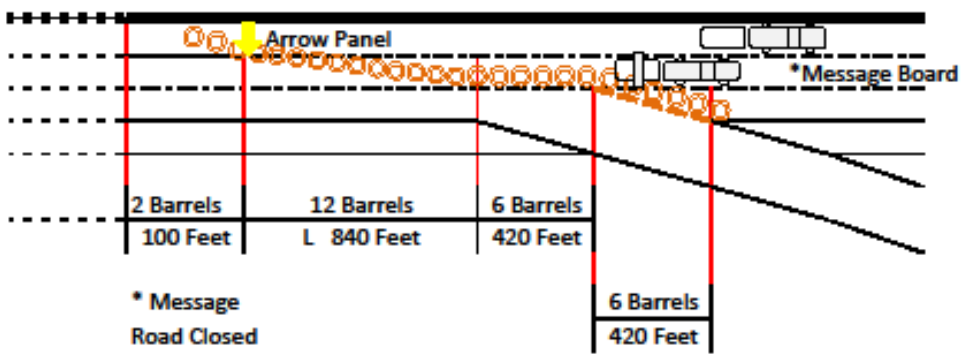


Signs

Road Closed 1 Mile	2
Accident Ahead	2
Left two lanes Closed	2
Merge Right Symbol	2

Barrel Spacing

Tapers	1 X Speed Limit	
Tangents	2 x Speed limit	"two skips between each barrel"



* Message
Road Closed
Detour
Exit Now

Incident Notifications & TOC

Effective now initial notification of KYTC

- Primary notification point is TOC 24/7

502-564-2080

- TOC will maintain KYTC current / on-call contact list and activate initial KYTC response

- TOC will activate digital message signs (DMS) – sole control point for all DMS in state.

Non-emergent issues can still go to county contact or District Office.

Any issues with TOC report to D-3 IM Coordinator

Next steps –

- Review with emergency response agencies & KYTC crews for each involved county
 - Barren
 - Simpson
 - Warren
- Finalize roles/responsibilities for activation
- Training / briefings with involved & affected crews / agencies to implement
- Possible table-top exercises

Continue same process for Natcher & Nunn Parkways

Other Team / Meeting Issues

Incident Clearance “Authority removal”

- Authorization to pre-designated public agency / agencies – generally law enforcement or state DOTs – to remove damaged or disabled vehicles and/or spilled cargo from roadway that is determined to be a hazard.
- If the driver is unwilling or unable to remove the vehicle or cargo, designated authorities may require or perform removal without consent of the owner.

Kentucky Authority Removal statute

KRS 189.580 (4) & (5)(a)-(b)

- (4) Except as provided for in subsection (5) of this section, **a peace officer or safety officer may remove or cause to be removed from the roadway** of an interstate highway or parkway or any on-ramp or off-ramp thereto, without consent of the owner or operator, any vehicle, cargo, or other property which is obstructing the roadway, creating or aggravating an emergency situation, or otherwise endangering public safety. Any vehicle, cargo, or other property obstructing the roadway of an interstate highway or parkway **shall be removed by the most expeditious means available to clear the obstruction**, giving due regard to the protection of the property removed.
- (5) (a) In accidents that involve fatalities or known or visible injuries, the removal provisions of subsection (4) of this section shall apply only after all medical assistance, fire supervision, and site investigation have been completed.
- (b) The removal provisions of subsection (4) of this section shall not apply if an accident involves, or is believed to involve, a release of hazardous materials.

“Hold Harmless” / Liability protection

- “Hold Harmless” statutes in many of the AR states protect public agencies from liability for damage to cargo or wrecked vehicle except for gross negligence.
- LRC recommended to not bring bill to last General Assembly – duplicate law (Sovereign Immunity)
- D-4 IM Team has asked for OAG opinion affirming this protection.



Incident Command System (ICS) Upcoming Training Notice

KYEM & Warren Co EM are hosting classes in Bowling Green 8:00 a – 5:00 p daily at the BGMU Training Center.

- ICS 300 Aug. 26-28th
- ICS 400 Sept. 16-17th

Intermediate ICS training for mid-level managers and command staff directly responsible for emergency responses where ICS will be deployed.

Pre-requisites: ICS100B, ICS200B, ICS700A, ICS800B

Register at <http://kyem.ky.gov/training/Pages/default.aspx>



National Traffic Incident Management Responder Training Program

Additional District 3 area training available upon
request per Tony Young of FHWA

Future Meetings

Share information / educate other team members on what is new or important for your role in Incident Management.

******IM Team is ALL of us not just KYTC ******

- State Police or Sheriff Department
 - Evidence preservation at incident scene
- Emergency Management
 - Role & authority of EM & outside resource integration
- Towing & Recovery Operators or Association
 - Operator standards or certifications
- Environmental Cleanup Contractors
- Health Dept
- Environmental Protection Cabinet
- Others



D-3 Traffic Impact Updates

Most current information is always available
from PIO Wes Watt via



@KYTCDistrict3



kytcdistrict3

Next Meeting

November 5, 9 am



Presentations & other D-3 IM Team files can be found at
<http://transportation.ky.gov/District-3/Pages/TIM.aspx>



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