



INCIDENT MAGNITUDE		
MAGNITUDE	DURATION	STEPS TO TAKE
Minor	<30 Minutes	<ul style="list-style-type: none"> <li>Notify TOC if incident is on roadway where a minor delay can create significant traffic impact</li> <li>Establish Advance Warning Area and other TTC Components as time/personnel permits</li> </ul>
Intermediate	30 minutes - 2 hours	<ul style="list-style-type: none"> <li>Notify Transportation Operations Center (TOC)</li> <li>Establish TTC Components</li> <li>Consider DOT Response</li> </ul>
Major	2+hours	<ul style="list-style-type: none"> <li>Notify Transportation Operations Center (TOC)</li> <li>Request DOT Response Early</li> <li>Establish Full Work Zone (Same as Non-Emergency)</li> </ul>

ADVANCE WARNING AREA		TRANSITION AREA	
SPEED	SIGN DISTANCE	TAPER LENGTH	TYPICAL #CONES
40	A 350	320 ft.	8
55	A 750	660 ft.	16
65	A/B 1000/1500	780 ft.	18

RULES OF THUMB: 1. Travel lanes numbered from left-to-right. 2. Skip line is 10 ft. long with 30 ft. between skips. Taper cones at start of each skip line (40 ft.) 3. Length of Advance Warning Area = 8 x Roadway MPH. Use 12x factor for rural roads due to limited sight distance. Sign distance is from start of taper/transition.



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### EMERGENCY RESPONDER CHECKLIST

*Safe and Effective Traffic Control is the Responsibility of On-Scene Responders:  
Communicate-Coordinate-Cooperate*

#### INITIAL ACTION ITEMS: (Within first 15 minutes)

- Estimate magnitude/expected duration of incident
- Estimate vehicle queue (backup) length
- Establish Incident Command/Unified Command Post
  - o Assign Traffic Control Officer
- Identify the need for and request secondary response agencies: TOC, HazMat, Towing/Recovery, DPW, DOT, Accident Reconstruction, Medical Examiner, etc.
- Set-up appropriate TTC Components based on estimates. Upgrade TTC every 15 minutes.
- Set initial taper in direction of traffic travel
  - o Remove taper in opposite direction of traffic travel



#### CONSIDERATIONS:

- Time of the incident and amount of traffic congestion
- Can vehicles be moved from roadway? *Steer it. Clear it.*
- Can all lanes remain open?
  - o For Limited Access Highways:
    - 1 minute of lane closure = 1 mile of backup
- Determine emergency vehicle access route(s)
- Will closures create backups on other roadways?
- How quickly can lanes reopen? Minimize on-scene time.
  - o Post incident Recovery:
    - 1 minute of initial delay = 8 minutes to return to normal traffic
- How can we avoid secondary accidents?
- What can we do to make the scene SAFER?
- Update TOC periodically and as incident changes (escalation, termination, etc.)

#### VEHICLES:

- Limit number of responding vehicles
- Stage unnecessary vehicles off roadway
- Park ALL vehicles on same side of roadway
- Position apparatus to protect responders
- Minimize emergency lighting
- Create work area large enough to accommodate apparatus and responders SAFELY!

#### PERSONNEL:

- ALL responders Identifiable & in High Visibility Apparel
- Always: Be alert - Minimize exposure - Face traffic
- Place spotter at incident scene



As of: 1/19/11

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