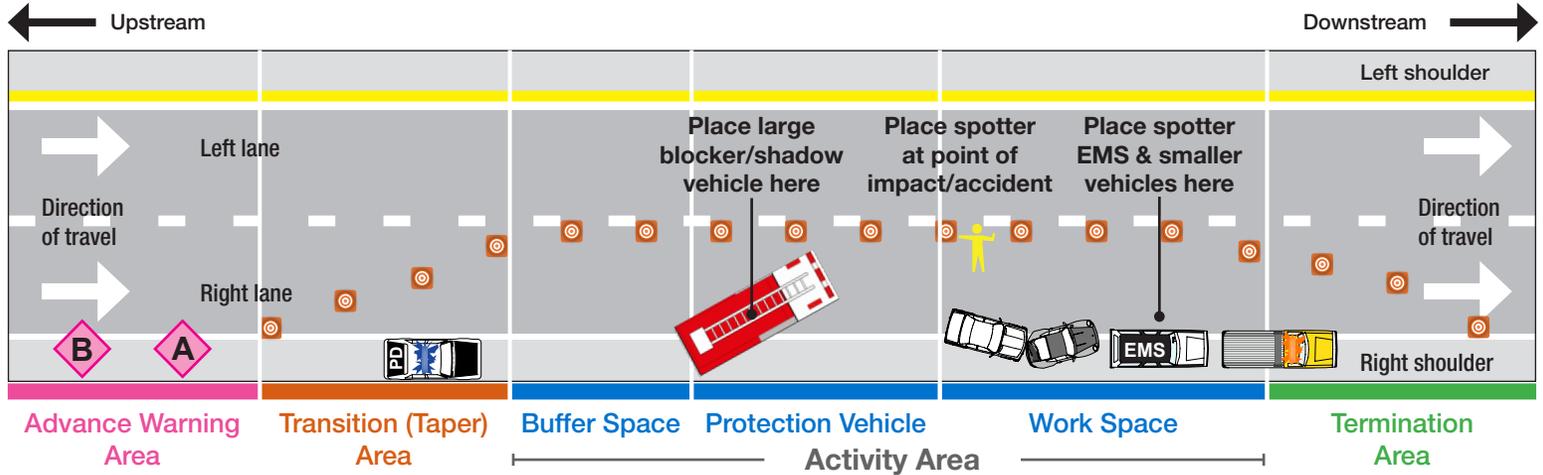


Temporary Traffic Control (TTC) Zone

Typical Divided Highway Scenario



INCIDENT MAGNITUDE		
MAGNITUDE	DURATION	ACTIONS
Minor	Less than 30 minutes	Establish advanced warning area based on speed and sight distance
Intermediate	30 minutes - 2 hours	Notify HOC Establish TTC zone Consider requesting DOT response to assist in TTC
Major	More than 2 hours	Establish full work zone

ADVANCED WARNING AREA		TRANSITION AREA	
SPEED	SIGN DISTANCE	TAPER LENGTH	TYPICAL # CONES
40	A = 350'	320'	8
55	A = 750'	660'	16
65	A = 1,000' B = 1,500'	780'	20

Rules of thumb:

1. Skip line is 10 ft. long with 30 ft. between skips. Taper cones at start of each skip line (40 ft.)
2. 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.

Emergency Responder Checklist

Traffic Control is the Responsibility of On-scene Responders - Communicate, Coordinate, Cooperate

Initial Action Items (Within first 15 Minutes)

- › Establish Incident Command
- › Exact type and location of incident
- › Number, types, and severity of injuries
- › Existing threats such as fire, explosion, chemical spills, downed electrical wires
- › Identification of trapped victims, location, and extrication needs
- › Severity of damage
- › Necessity for evacuation or restriction of vehicular or pedestrian traffic
- › Nature and number of resources required (DOT, HazMat, DEP, DOH, ME, etc.)
- › Estimated time to clear the incident
- › Environmental threats
- › Secure the scene
- › Set-up appropriate TTC

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 point of impact/accident scene

Considerations

- › Time of incident and amount of traffic congestion
- › Can vehicles be moved from roadway? Steer it. Clear it.
- › Can all lanes remain open?
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.
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 HOC periodically and as incident changes (escalation, termination, etc.)

Highway Operations Center

800.227.0608

