

WEST VIRGINIA PARKWAYS
AUTHORITY

WEST VIRGINIA TURNPIKE



INCIDENT MANAGEMENT EMERGENCY TRAFFIC CONTROL HANDBOOK

VERSION 2021-10-28

HNTB

HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS

GENERAL NOTES

The West Virginia Turnpike Incident Management Emergency Traffic Control Plan identifies five permanently signed detour routes for use by the Parkways Authority and associated local agencies to provide alternative routes for the traveling public in the event of a road closure along the Turnpike. The traffic control requirements of each of these detours, A thru E, are provided within this manual.

The communications flowchart identifies the notifications and information flows that must occur to ensure proper implementation of the detour route.

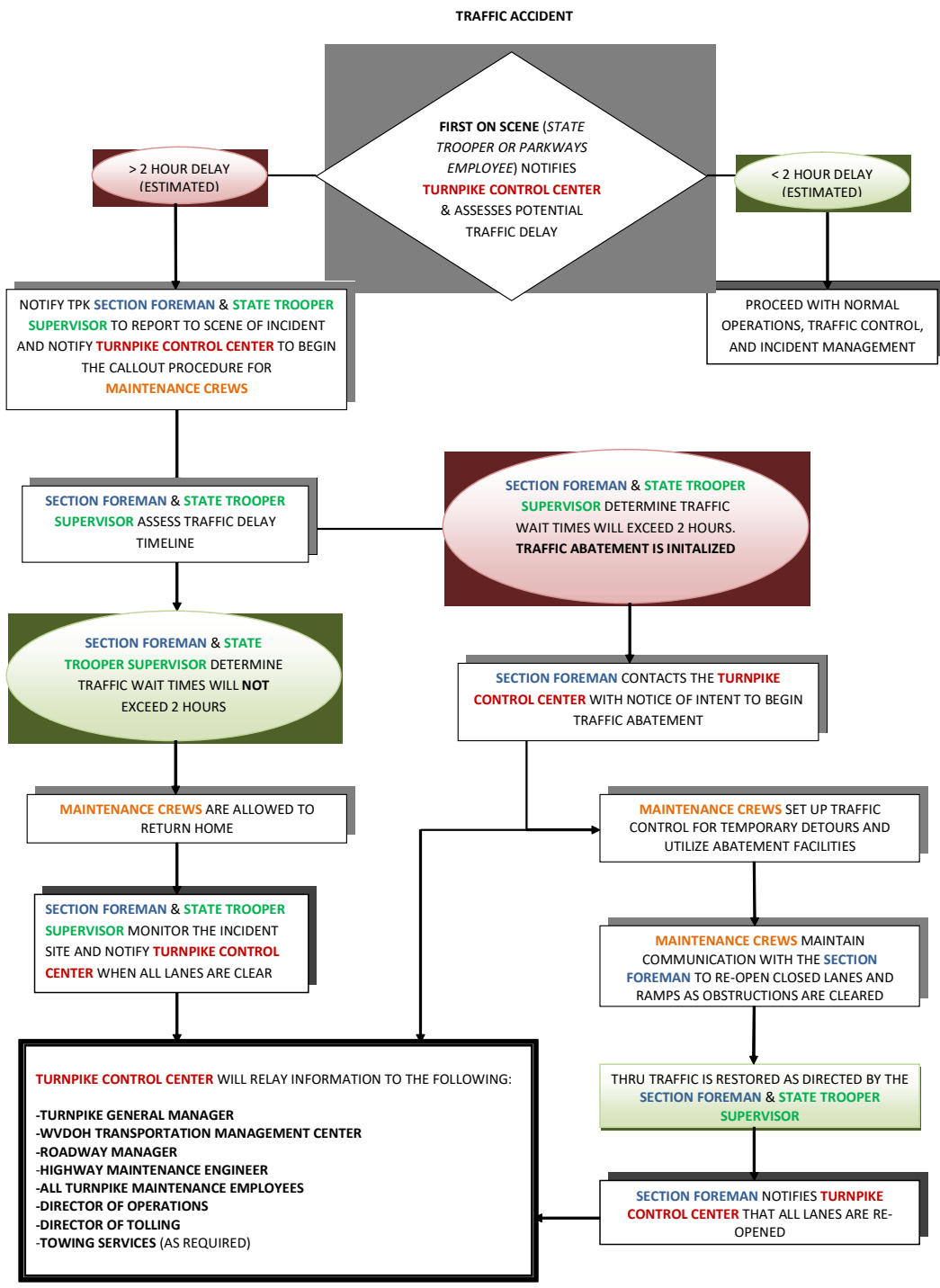
Following the communications flowchart, a listing of contacts for critical members of the information sharing path is provided.

Guidance for implementing the traffic control elements for each detour is provided in the specific detour sections. Details are provided indicating the appropriate devices to be installed for facilitation of a roadway closure. Directives on locating portable changeable message signs and traffic directors are included in each detour's respective section.

INDEX

DETOUR A	INCIDENT AREA MP 85.0 TO 48.0
DETOUR B	INCIDENT AREA MP 96.0 TO 85.0
DETOUR C	INCIDENT AREA MP 40.0 TO 48.0
DETOUR D	INCIDENT AREA MP 40.0 (I-64) TO 28.0
DETOUR E	INCIDENT AREA MP 28.0 TO 9.0

COMMUNICATIONS FLOWCHART



REVISIONS	
PREPARED 11/11/12	

CONTACTS

Agency	Contact Information
WV Homeland Security and Emergency Management Agency	304-558-5380
WV State Police - Troop 7 Command (Kanawha County)	304-926-1900
WV State Police - Troop 6 Beckley (Raleigh County)	304-256-6700
WV Transportation Management Center	304-558-3028
WV Parkways Authority Headquarters	304-926-1900
WV Parkways Authority Control Center	304-926-1908
WV Department of Transportation, Office of Secretary	304-558-0444

Position	Primary Contact	Secondary Contact
Section 1 Foreman	Robert Stonestreet 304-640-0509 C 304-787-4519 O	
Section 2 Foreman	Steve Hall 304-256-6680 O 304-640-0508 C	
Section 3 Foreman	James Embrey 304-595-4542 O 304-640-0434 C	
Highway Production, Inspection and QA Manager	Andy Hambrick 304-256-6680 O 304-890-7005 C	
Roadway Manager	Curtis Redden 304-926-1900 x3303 O 304-640-0432 C	
Roadway Manager Assistant	Philip Conley 304-926-1900 x3319 O 304-640-0400 C	
Hwy Program Mgr	David White 304-256-6680 x3365 O 681-587-3480 C	
Director of Maintenance	Les Ball 304-256-6680 O 304-640-8612 C	
Safety Officer	Carl Williams 304-256-6890 O 304-640-0521 C	
Director of Operations	Tyrone Gore 304-926-1900 x310 O 304-640-0522 C	
Executive Director	Jeff Miller 304-926-1900 x302 O 304-640-0500 C	

NOTE – SEE EACH DETOUR SECTION FOR EMERGENCY CONTACT INFORMATION SPECIFIC TO EACH ROUTE.

**TRAFFIC CONTROL FOR OPENING/USING MEDIAN BARRIER GATES
OR MEDIAN CROSSOVERS**

To facilitate the opening of the median barrier gate(s), a rolling roadblock shall be initiated in the opposite direction of travel from that of the backup. Additional rolling roadblocks will be required to allow the passing of vehicles thru the barrier gate. Parkways personnel must coordinate the initiation of the rolling roadblocks and passage of vehicles such that the process does not cause additional excessive backup in the opposite direction from the closed lanes.

Parkways staff shall employ two (2) or three (3) vehicles, as necessary, in tandem in one direction at a predetermined time and predetermined speed. Normally the speed shall be 35 mph or as directed by the Section Foreman. There shall absolutely be no stopping of the rolling roadblock. Prior to instituting such, the roadway ahead shall be cleared of traffic as directed by the engineer. The area of influence shall also be sealed off (all on-ramps or access intersections closed) by use of flaggers and/or Parkways vehicles and/or traffic directors as necessary. The rolling roadblock shall prevent any other vehicles from entering the defined area by making all vehicles proceed at a slower speed than normal and forcing all vehicles to follow behind the two (2) or three (3) vehicles at their predetermined speed. Under no circumstances shall any other safety and traffic control device be compromised, in fact, they may have to be adjusted to accommodate such.

WVPA MAINTENANCE RESOURCE NEEDS

LOCATION	TASK	RESOURCES
Removable Barrier Gate MP 61.53, 63.06, 68.34, 76.61	Gate operation and traffic control	Section 2 or Section 3 to provide two (2) employees and one (1) vehicle*
Removable Barrier Gate MP 61.53, 63.06, 68.34, 76.61	Rolling roadblock to facilitate gate opening	Section 2 or Section 3 to provide two (2) employees and two (2) vehicles*
Removable Barrier Gate MP 61.53, 63.06, 68.34, 76.61	Wrecker service	Wrecker service to be stationed as appropriate in the vicinity of traffic queue
Removable Barrier Gate MP 61.53, 63.06, 68.34, 76.61	Non-detour related gate operation - such as for snow event	Section Foreman to identify available staff to clear traffic for SRIC vehicles to operate

* ACTUAL INCIDENT LOCATION WILL DICTATE WHICH SECTION WILL PERFORM THIS TASK.

DETOUR A

INCIDENT AREA MP 85.0 TO 48.0

INCIDENT MANAGEMENT EMERGENCY TRAFFIC CONTROL HANDBOOK

DETOUR A
LOCATION SPECIFIC CONTACTS

RALEIGH COUNTY	
Agency	Contact Information
Raleigh County Emergency Operations Center	304-255-0911
General Ambulance Service	304-252-5800
Raleigh County Dispatch Center	304-255-9121
Raleigh County Sheriff	304-255-9300
Raleigh County Schools - Superintendent	304-256-4500x3307
Raleigh County Schools - Superintendent	304-256-4560x2353
WV State Emergency Spill Notification	800-642-3074

FAYETTE COUNTY	
Agency	Contact Information
EMS Business Office General Ambulance	304-465-8700
Fayette County Dispatch Center	304-574-1610
Fayette County Sheriff - Fayetteville	304-574-4304
Fayette County Schools - Superintendent	304-574-1176x2122
Fayette County Schools - Transportation Supervisor	304-574-1176x2152
WV State Emergency Spill Notification	800-642-3074
Fayette County Office of Emergency Services	304-574-1610

NICHOLAS COUNTY	
Agency	Contact Information
WV Homeland Security and Emergency Management Agency	304-558-5380
Nicholas County Communications Center	304-872-4911
Nicholas County Office of Emergency Services	304-872-7893
Nicholas County Sheriff	304-872-9611
Summersville Police Department	304-872-1920
Summersville Police Department - 24 Hour Phone	304-872-4911
National Response Center - State Emergency Spill Notification	800-424-8802 or 800-642-3074
Nicholas County Schools Superintendent	304-872-3611

BRAXTON COUNTY	
Agency	Contact Information
WV Homeland Security and Emergency Management Agency	304-558-5380
Braxton County Emergency Communication Center	304-765-7366 or 304-765-3220
Braxton County Office of Emergency Services	304-765-3320
Braxton County Sheriff	304-765-2838
Braxton County Sheriff - 24 Hour Service	304-765-7366 or 304-765-3220
Braxton County Memorial Hospital	304-364-5156
National Response Center - State Emergency Spill Notification	800-424-8802 or 800-642-3074
Braxton County Schools Superintendent	304-765-7101



DETOUR A
LOCATION SPECIFIC CONTACTS

CLAY COUNTY	
Agency	Contact Information
WV Homeland Security and Emergency Management Agency	304-558-5380
Clay County Emergency Dispatch	304-587-4539
Clay County Office of Emergency Services	304-587-4539
Clay County Sheriff	304-587-4260
Braxton County Memorial Hospital	304-364-5156
CAMC (General Division, Memorial Division)	304-388-5432
National Response Center - State Emergency Spill Notification	800-424-8802 or 800-642-3074
Clay County Emergency Ambulance Authority	304-587-2554
Clay County Schools Superintendent	304-587-4226

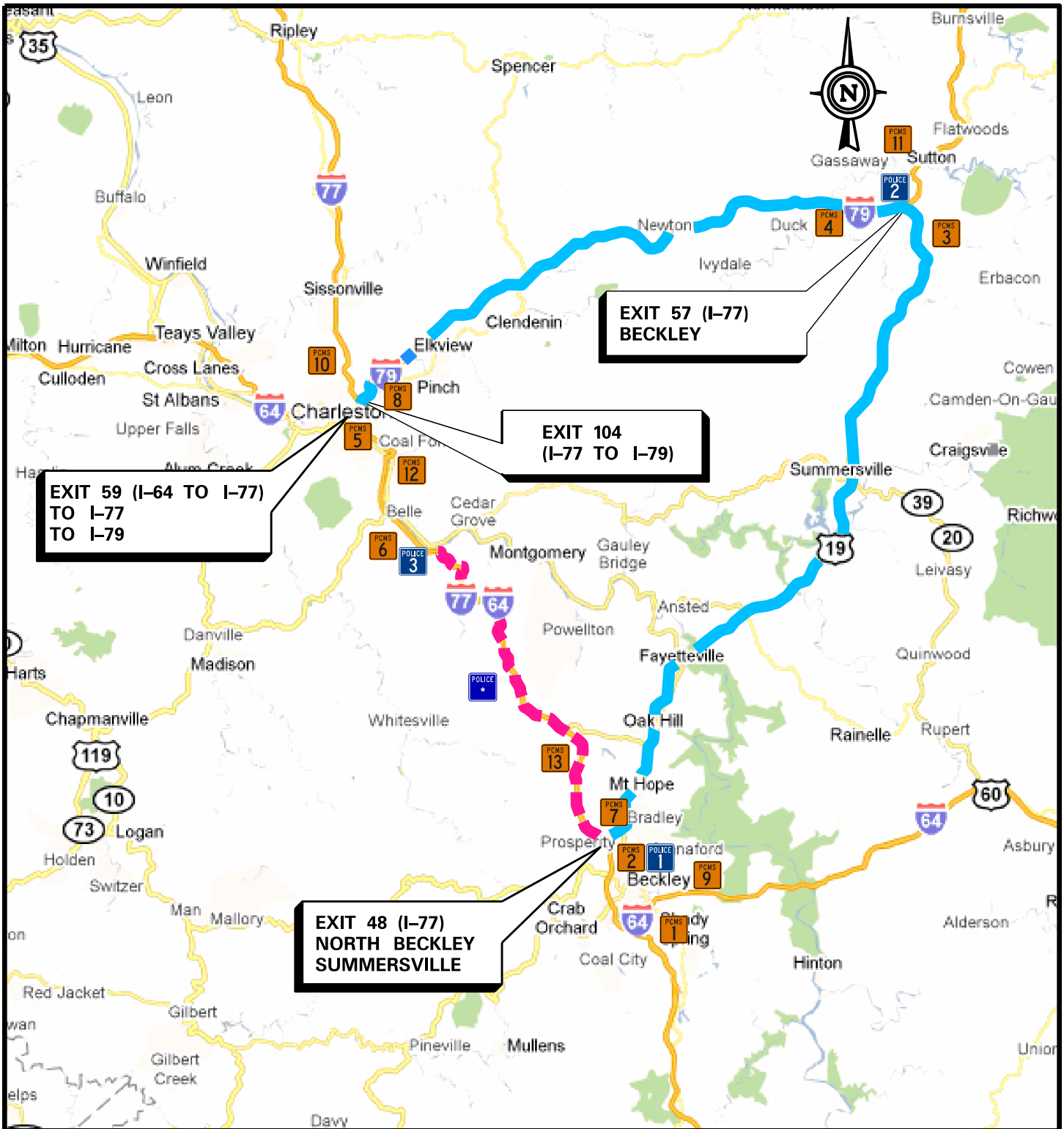
ROANE COUNTY	
Agency	Contact Information
Roane County Communications Center	304-927-0911
Roane County Office of Emergency Services	304-927-0918
Roane County Sheriff	304-927-2540
National Response Center - State Emergency Spill Notification	800-424-8802 or 800-642-3074
Roane General Hospital - Spencer	304-927-4444
Roane County Emergency Squad	304-927-3725
Roane County Schools Superintendent	304-927-6403

KANAWHA COUNTY	
Agency	Contact Information
Kanawha County Medical Transport	304-342-1107
Kanawha County Ambulance and Fire Services	304-357-0191
Kanawha County Sheriff's Department	304-357-0200
Kanawha County Schools Superintendent	304-348-7770
Kanawha County Schools - After hours contact	304-859-1714
Kanawha County Emergency Communication Center	304-348-8111
WV State Emergency Spill Notification	800-642-3074

DIVISION OF HIGHWAYS	
DISTRICT	Contact Information
1 (CLAY, KANAWHA)	304-558-3001
10 (MERCER, RALEIGH)	304-487-5228
7 (BRAXTON)	304-269-0400
9 (FAYETTE, GREENBRIER, MONROE, NICHOLAS, SUMMERS)	304-647-7450



REVISIONS	
PREPARED 11/11/12	



LEGEND

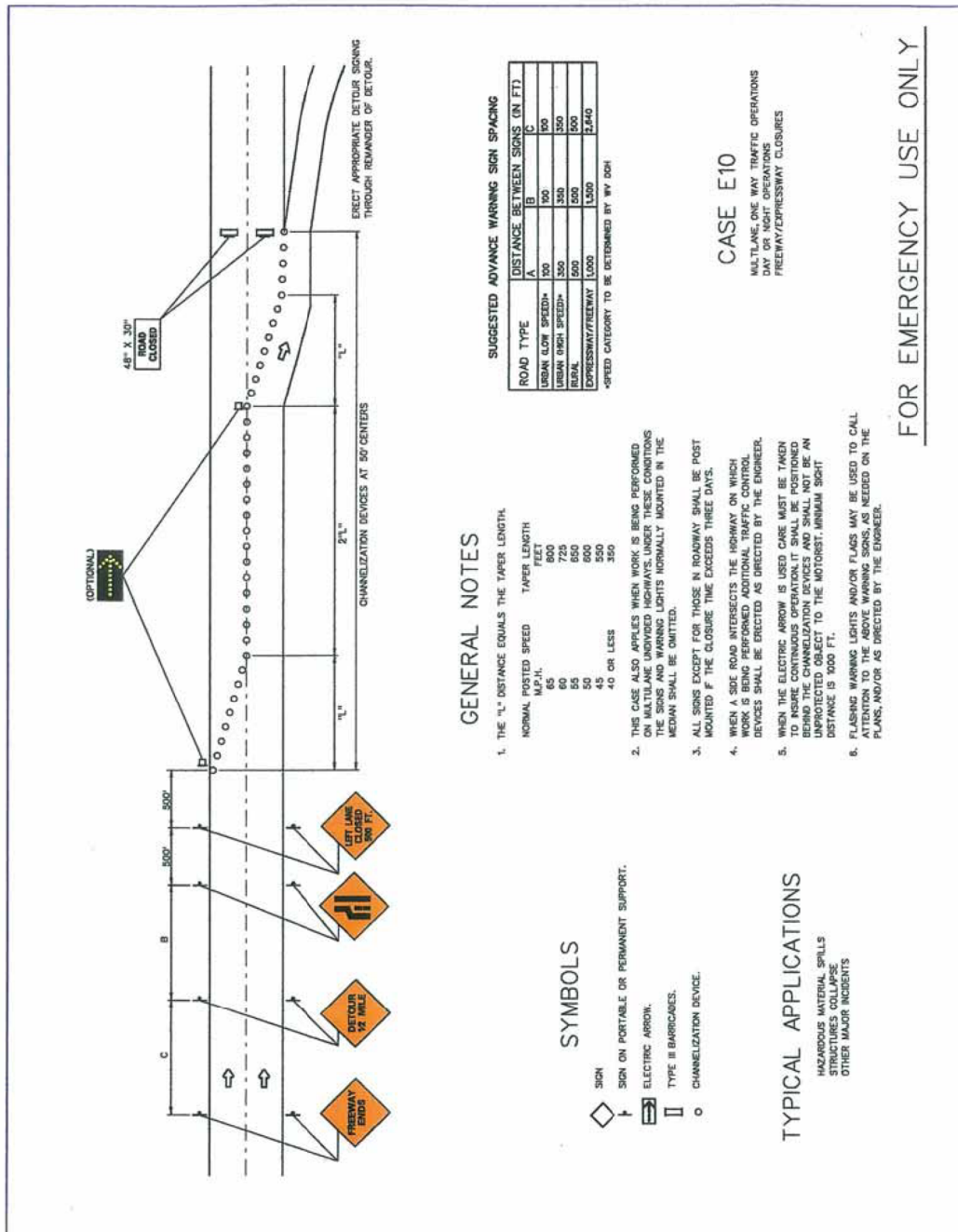
- DETOUR ROUTE**
- INCIDENT AREA (MP 85.0 TO 48.0)**
- PORTABLE CHANGEABLE MESSAGE SIGN**
- POLICE OFFICER LOCATION**

HNTB

HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS

DETOUR - A

REVISIONS	
PREPARED 11/11/12	



CASE E10 IMPLEMENTATION GUIDANCE

THE TEMPORARY TRAFFIC CONTROL CASE DEPICTED ABOVE IS TO BE ESTABLISHED AT EXIT 48 NORTHBOUND AND/OR AT EXIT 85 SOUTHBOUND.

ALL TAPER LENGTHS SHALL BE 1000' MINIMUM AND ELECTRIC ARROWS ARE REQUIRED FOR BOTH LANE TRANSITIONS.

A STATE TROOPER SHALL BE PRESENT AT EACH E10 SETUP AT ALL TIMES.









HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS




DETOUR - A

REVISIONS
PREPARED 11/11/12








**NORTHBOUND CLOSURE
PORTABLE CHANGEABLE MESSAGE SIGNS**

DEVICE	LOCATION	MESSAGE	
	I-77 NB SOUTH OF I-64/I-77 SPLIT	I-77N CLOSED MP 48	FOLLOW DETOUR A
	I-77 NB SOUTH OF E10 SETUP	ROAD CLOSED AHEAD	FOLLOW DETOUR A
	US19 NB SOUTH OF I-79 EXIT 57	TURNPIKE DETOUR A	USE I-79 SOUTH
	US19 SB NORTH OF I64/I77 IC	I64W/I77N CLOSED MP 48	FOLLOW DETOUR A
	I-64 WB EAST OF I-64/I-77 SPLIT	I-77N CLOSED MP 48	FOLLOW DETOUR A
	I-77SB /I-64EB NORTH OF EXIT 48	TURNPIKE DETOUR A	USE US 19 NORTH




POLICE OFFICER TRAFFIC DIRECTION

DIRECTOR	LOCATION								
	AT E10 MAINLINE DETOUR NORTHBOUND								
	AT US19 /I-79 INTERCHANGE								
	<p>AT ENTRANCE RAMP WITHIN CLOSURE ZONE TO RESTRICT TRAFFIC FROM ENTERING TURNPIKE</p> <p>RAMP ENTRANCES REQUIRE CLOSURE AT THE FOLLOWING INTERCHANGES:</p> <table border="0"> <tr> <td>EXIT 48 - N. BECKLEY</td> <td>EXIT 74 - STANDARD</td> </tr> <tr> <td>EXIT 54 - PAX</td> <td>EXIT 79 - SHARON</td> </tr> <tr> <td>EXIT 60 - MOSSY</td> <td></td> </tr> <tr> <td>EXIT 66 - MAHAN</td> <td></td> </tr> </table>	EXIT 48 - N. BECKLEY	EXIT 74 - STANDARD	EXIT 54 - PAX	EXIT 79 - SHARON	EXIT 60 - MOSSY		EXIT 66 - MAHAN	
EXIT 48 - N. BECKLEY	EXIT 74 - STANDARD								
EXIT 54 - PAX	EXIT 79 - SHARON								
EXIT 60 - MOSSY									
EXIT 66 - MAHAN									

SOUTHBOUND CLOSURE PORTABLE CHANGEABLE MESSAGE SIGNS

DEVICE	LOCATION	MESSAGE	
	I-79 NB SOUTH OF EXIT 57	TURNPIKE DETOUR A	USE NEXT EXIT
	I-64 EB WEST OF I-64I-77 SPLIT	I64E177S CLOSED MP 85	FOLLOW DETOUR A
	I-64EB /I-77SB NORTH OF E10 SETUP	ROAD CLOSED AHEAD	FOLLOW DETOUR A
	I-77I-79 NB SOUTH OF I-77I-79 SPLIT	TURNPIKE DETOUR A	USE I-79 NORTH
	I-77 SB NORTH OF I-79 SPLIT	I64E177S CLOSED MP 85	FOLLOW DETOUR I79N
	I-79 SB NORTH OF EXIT 57	I64E177S CLOSED MP 85	FOLLOW DETOUR A
	I-77NB /I-64WB SOUTH OF EXIT 95	TURNPIKE DETOUR A	USE I-79 NORTH

POLICE OFFICER TRAFFIC DIRECTION

DIRECTOR	LOCATION						
	AT US19 /I-79 INTERCHANGE						
	AT E10 MAINLINE DETOUR SOUTHBOUND						
	<p style="text-align: center;">AT ENTRANCE RAMPS WITHIN CLOSURE ZONE TO RESTRICT TRAFFIC FROM ENTERING TURNPIKE</p> <p style="text-align: center;">RAMP ENTRANCES REQUIRE CLOSURE AT THE FOLLOWING INTERCHANGES:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">EXIT 54 - PAX</td> <td style="width: 50%;">EXIT 74 - STANDARD</td> </tr> <tr> <td>EXIT 60 - MOSSY</td> <td>EXIT 79 - SHARON</td> </tr> <tr> <td>EXIT 66 - MAHAN</td> <td>EXIT 85 - CHELYAN</td> </tr> </table>	EXIT 54 - PAX	EXIT 74 - STANDARD	EXIT 60 - MOSSY	EXIT 79 - SHARON	EXIT 66 - MAHAN	EXIT 85 - CHELYAN
EXIT 54 - PAX	EXIT 74 - STANDARD						
EXIT 60 - MOSSY	EXIT 79 - SHARON						
EXIT 66 - MAHAN	EXIT 85 - CHELYAN						

DETOUR A RESOURCE NEEDS

LOCATION	TASK	RESOURCES
E10 DETOUR – NB	WVPA Section 2 to place devices and assist at Police 1 location	Signs, stands, cones, and vehicle from Section 2
E10 DETOUR – SB	WVPA Section 3 to place devices and standby as needed	Signs, stands, cones, and vehicle from Section 3
Entrance Ramp I-77 NB MP 48	WVPA Section 2 to place devices and provide traffic direction	Signs, stands, cones, vehicle and one (1) employee from Section 2
PCMS 1	WVPA Section II to place and standby as needed	PCMS and vehicle from Section 2
PCMS 2	WVPA Section II to place and slow flag as needed	PCMS and vehicle from Section 2
PCMS 3	WVDOH to place	PCMS and vehicle from WVDOH D7
PCMS 4	WVDOH to place	PCMS and vehicle from WVDOH D7
PCMS 5	WVPA Section 3 to place and slow flag as needed	PCMS and vehicle from Section 3
PCMS 6	WVPA Section 3 to place and slow flag as needed	PCMS and vehicle from Section 3
PCMS 7	WVPA Section 2 to place and slow flag as needed	PCMS and vehicle from Section 2
PCMS 8	WVDOH to place	PCMS and vehicle from WVDOH D1
PCMS 9	WVDOH to place	PCMS and vehicle from WVDOH D10
PCMS 10	WVDOH to place	PCMS and vehicle from WVDOH D1
PCMS 11	WVDOH to place	PCMS and vehicle from WVDOH D7
PCMS 12	WVPA Section 3 to place	PCMS and vehicle from Section 3
PCMS 13	WVPA Section 2 to place	PCMS and vehicle from Section 2

DETOUR A RESOURCE NEEDS

LOCATION	TASK	RESOURCES
POLICE 1	Traffic direction at mainline closure	Trooper from WVSP Troop 6 or Troop 7
POLICE 1	WVPA employees to assist with traffic direction at closure	WVPA Section 2 to provide two (2) maintenance employees
POLICE 2	Traffic Direction at I-79/US19 I/C	Trooper from WVSP or designee
POLICE 3	WVPA employees to assist with traffic direction at closure	WVPA Section 3 to provide two (2) maintenance employees
POLICE * - PAX	Traffic direction at entrance ramp closure	Trooper from WVSP or designee
POLICE * - MOSSY	Traffic direction at entrance ramp closure	Trooper from WVSP or designee
POLICE * - MAHAN	Traffic direction at entrance ramp closure	Trooper from WVSP or designee
POLICE * - STANDARD	Traffic direction at entrance ramp closure	Trooper from WVSP or designee
POLICE * - SHARON	Traffic direction at entrance ramp closure	Trooper from WVSP or designee
POLICE * - CHELYAN	Traffic direction at entrance ramp closure	Trooper from WVSP or designee

WVPA Maintenance Resource Needs – Detour A

LOCATION	TASK	RESOURCES
PCMS 1	Section II to place PCMS and then slow flag	Section II has this PCMS and vehicle
PCMS 2	Section II to place PCMS and then slow flag	Section II has this PCMS and vehicle
PCMS 7	Section II to place PCMS and then slow flag	Section II has this PCMS and vehicle
PCMS 3	WVDOH needs to provide and place this PCMS	WVDOH should provide
PCMS 4	WVDOH needs to provide and place this PCMS	WVDOH should provide
PCMS 5	Section III to place PCMS and then slow flag	Section III has this PCMS and vehicle
PCMS 6	Section III to place PCMS and then slow flag	Section III has this PCMS and vehicle
MOT Detour	Section II to place detour MOT I-77 NB and assist at Police 1 location	Section II has the proper signing, equipment and vehicle
Police 1	WVSP	WVSP Troop 7 or 6
Police 1 location	Section II to provide two maintenance employees	Section II has personnel
I-77 NB on ramp at MP 48 MOT	Section II to provide signing	Section II has proper signing
I-77 NB on ramp at MP 48	Section II to provide one maintenance employee	Section has personnel
Detour MOT	Section III to place detour MOT I-77 SB, PCMS and standby as needed	Section III has proper signing
Police 3 location	Section III to provide two maintenance employees	Section III has personnel
RBG – MP's 61.3, 63.1, 68.5, 76.5	Section II or Section III to provide two employees and vehicle	Both Sections have personnel – the incident will dictate which Section will perform this function
RBG – MP's 61.3, 63.1, 68.5, 76.5	Wrecker Service	Would like to have a wrecker service posted in this area if available
*RBG – MP's 61.3, 63.1, 68.5, 76.5	Opening gates during a snow event may or may not involve a complete detour	During a snow event this task will be performed by available staff to clear traffic for SRIC vehicles to clear roadway

**WVPA MAINTENANCE RESOURCE NEEDS – DETOUR A
MOT AND PCMS LOCATIONS – NORTHBOUND CLOSURE**

UNIT	LOCATION	RESOURCES
A → First Arrow Board	MM 46.5 NB I-77	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
A S 4 L. Lane Closed	MM 46.4 NB I-77, SM 2103	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
A S 3 Merge Right	MM 46.3 NB I-77, SM 2098	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
A S 2 Detour 1/2 mile	MM 46.0 NB I-77	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
A S 1 Freeway ends	SM 2056, N. end of Exit 45 gore area, beside of "Exit 45 →"	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
A M 1 PCMS 1	Mile Marker 36.6 NB I-77 at the crossover just south of the overhead bridge	Section 1 to place and standby PCMS and vehicle from Section 2
A M 2 PCMS 2	MM 36.6 NB I-77 at the crossover just south of the overhead bridge	Section 2 to place and monitor traffic PCMS and vehicle from Section 2
A M 7 PCMS 7	Route 19 SB mile marker 3.0, at the end of the guardrail on the right shoulder	Section 2 to place and monitor traffic PCMS and vehicle from Section 2
A M 13 PCMS 13	MM 48.7 SB I-77, end of guardrail on right shoulder, just south of the crossover	Section 2 to place PCMS and vehicle from Section 2

**WVPA MAINTENANCE RESOURCE NEEDS – DETOUR A
MOT AND PCMS LOCATIONS – SOUTHBOUND CLOSURE**

UNIT	LOCATION	RESOURCES
A → First Arrow Board	MM 85.6 SB I-77, SM 1968+60	WVPA Section 3 to place using signs, stands, cones and vehicle from Section 3
A S 4 L. Lane Closed	MM 85.7 SB I-77, SM 1973+50	WVPA Section 3 to place using signs, stands, cones and vehicle from Section 3
A S 3 Merge Right	MM 85.8 SB I-77	WVPA Section 3 to place using signs, stands, cones and vehicle from Section 3
A S 2 Detour 1/2 mile	MM 86.1 SB I-77	WVPA Section 3 to place using signs, stands, cones and vehicle from Section 3
A S 1 Freeway ends	MM 86.6 SB, N. end of Pvt. Bias Bridge	WVPA Section 3 to place using signs, stands, cones and vehicle from Section 3
A M 5 PCMS 5	Lee St. Exit of I-64 EB I-77, first light pole (#24) at the attenuator	Section 3 to place and monitor traffic PCMS and vehicle from Section 3
A M 6 PCMS 6	MM 87.3 SB I-77	Section 3 to place and monitor traffic PCMS and vehicle from Section 3
A M 12 PCMS 12	MM 94.3 NB I-77, just south of SB O/H VMS	Section 3 to place PCMS and vehicle from Section 3

**WVPA DETOUR A – NB NEXT XX MILES SUPPLEMENT
NORTHBOUND 127 MILES – APPROXIMATELY 2 HOURS 15 MINUTES**

Sign	Location	GPS Coordinates
A - 1 Next 127 Miles	SM 2147, 48 NB Exit	37°49'57" N 81°12'49" W
A - 2 Next 126 Miles	Route 19 NB 3/4 miles before Crossroads Exit	37°50'31" N 81°12'37" W
A - 3 Next 109 Miles	Route 19 NB MM 18.0	38°2'60" N 81°7'4" W
A - 4 Next 72 Miles	Top of Powell Mountain	38°29'45" N 80°47'18" W
A - 5 Next 58 Miles	Route 19 NB and I-79 SB Intersection, before the bridge	38°36'56" N 80°45'12" W
A - 5.1 Next 58 Miles	Route 19 NB and I-79 SB Intersection, where you physically take a left on I-79	38°37'08" N 80°45'28" W
A - 6 Next 57 Miles	I-79 SB after you enter onto the roadway	38°36'55" N 80°45'12" W
A - 7 Next 25 Miles	I-79 SB near Amma	38°34'53" N 81°16'41" W

**WVPA DETOUR A – SB NEXT XX MILES SUPPLEMENT
NORTHBOUND 127 MILES – APPROXIMATELY 2 HOURS 15 MINUTES**

Sign	Location	GPS Coordinates
A - 1 Next 127 Miles	I-77 and I-79 split 0.0 MM	38°22'28" N 81°36'20" W
A - 2 Next 101 Miles	I-79 NB near Amma	37°32'32" N 81°15'32" W
A - 3 Next 70 Miles	I-79 NB and Route 19 SB intersection at I-79 off ramp	38°37'7" N 80°56'14" W
A - 4 Next 69 Miles	Route 19 SB after split	38°36'57" N 80°45'31" W
A - 5 Next 21 Miles	Route 19 SB approximately 1/2 before NR Gorge bridge	38°5'46" N 81°3'1" W



HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS

DETOUR – A

REVISIONS	
PREPARED 10/04/17	

DETOUR B

INCIDENT AREA MP 96.0 TO 85.0

INCIDENT MANAGEMENT EMERGENCY TRAFFIC CONTROL HANDBOOK

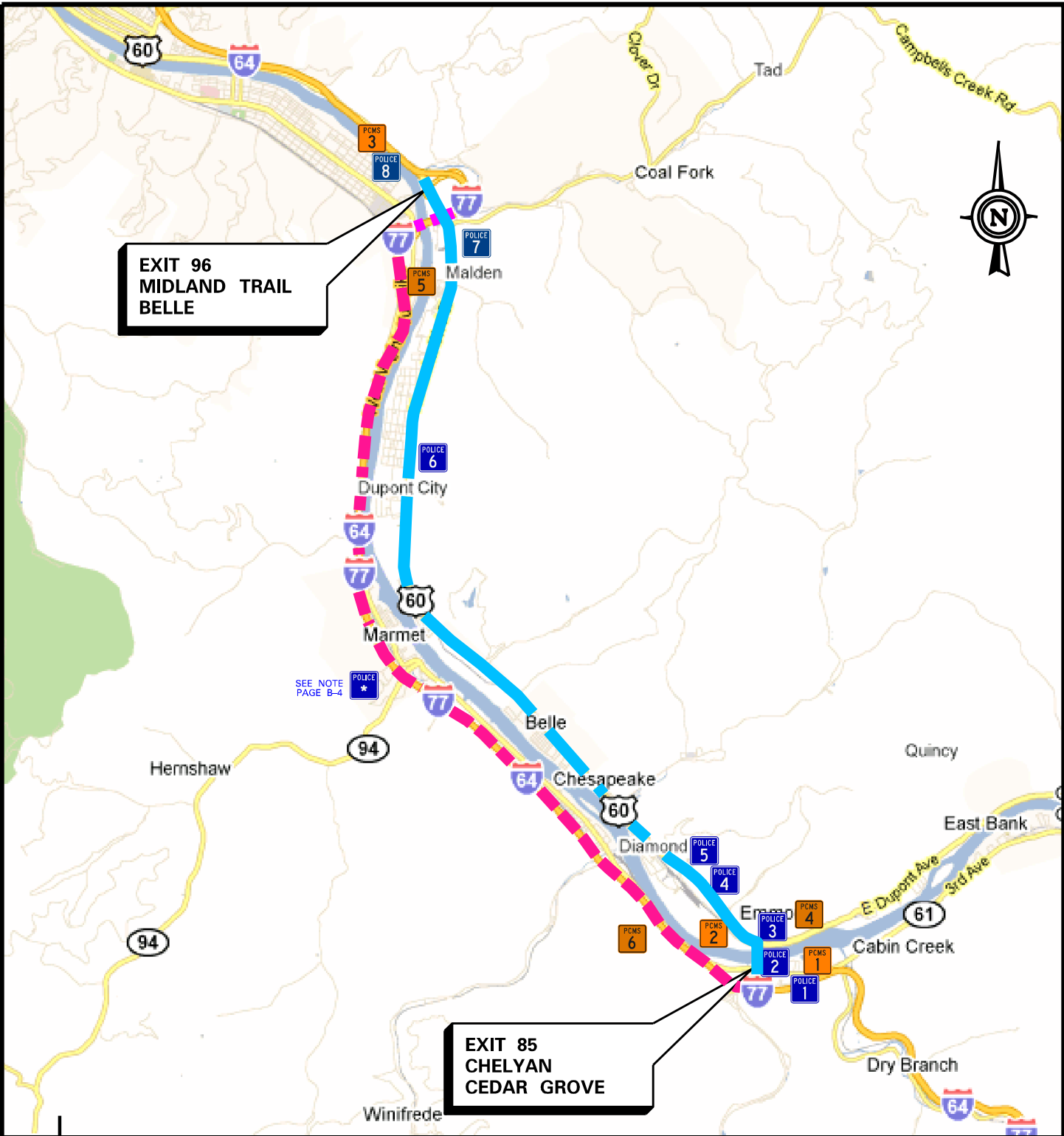
HNTB

HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS

**DETOUR B
LOCATION SPECIFIC CONTACTS**

KANAWHA COUNTY	
Agency	Contact Information
Kanawha County Medical Transport	304-342-1107
Kanawha County Ambulance and Fire Services	304-357-0191
Kanawha County Sheriff's Department	304-357-0200
Kanawha County Schools Superintendent	304-348-7770
Kanawha County Schools - After hours contact	304-859-1714
Kanawha County Emergency Communication Center	304-348-8111
WV State Emergency Spill Notification	800-642-3074

DIVISION OF HIGHWAYS	
DISTRICT	Contact Information
1 (CLAY, KANAWHA)	304-558-3001



**EXIT 96
MIDLAND TRAIL
BELLE**

**EXIT 85
CHELYAN
CEDAR GROVE**

LEGEND

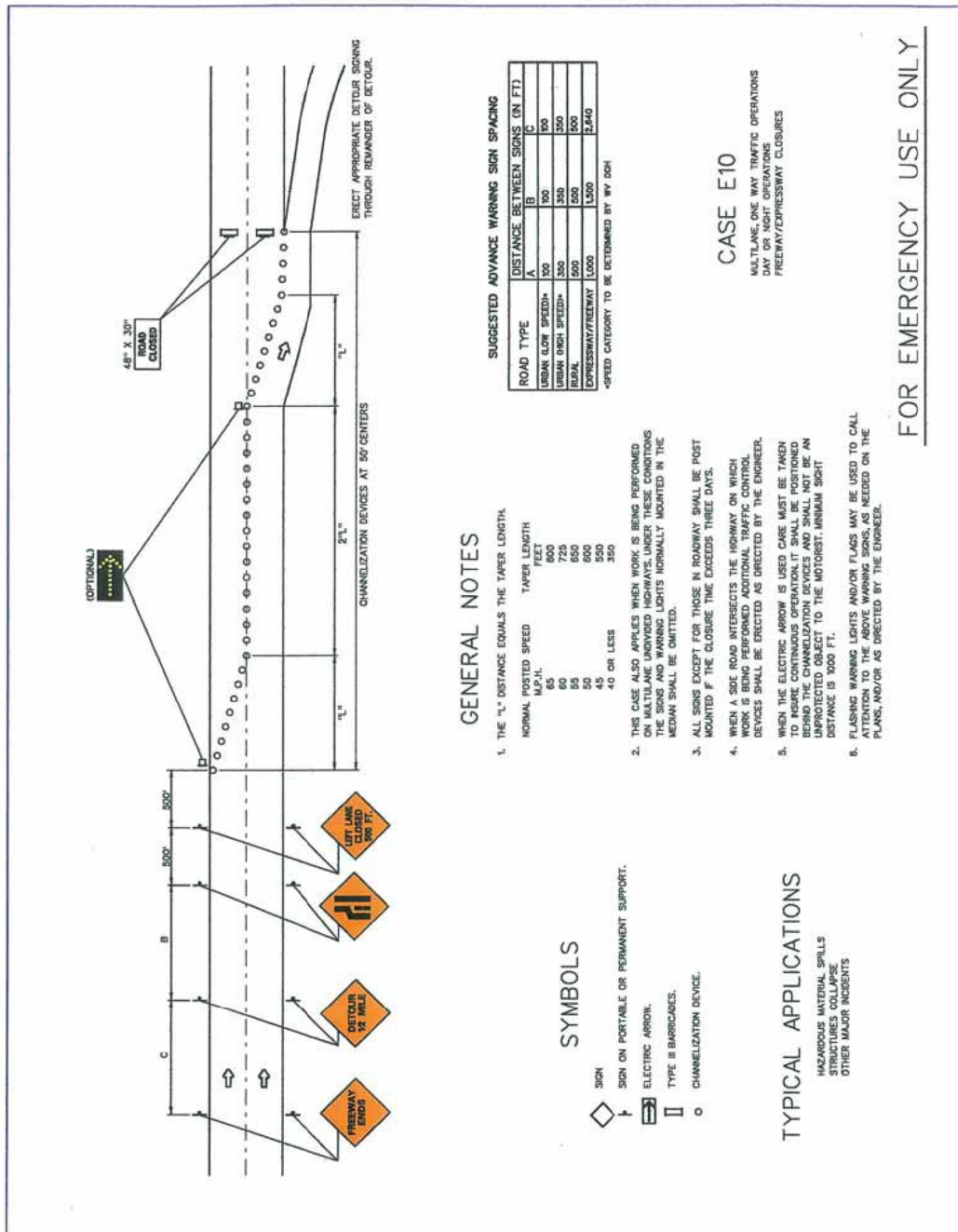
- DETOUR ROUTE
- - - - INCIDENT AREA (MP 96.0 TO 85.0)
- PCMS
1 PORTABLE CHANGEABLE MESSAGE SIGN
- POLICE
1 POLICE OFFICER LOCATION



HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS

DETOUR – B

REVISIONS	
PREPARED 11/11/12	



SUGGESTED ADVANCE WARNING SIGN SPACING

ROAD TYPE	A	B	C
URBAN LOW SPEED*	100	100	100
URBAN HIGH SPEED*	150	150	150
RURAL	200	200	200
EXPRESSWAY/FREEWAY	1000	1500	2,440

*SPEED CATEGORY TO BE DETERMINED BY WY DGH

GENERAL NOTES

1. THE "L" DISTANCE EQUALS THE TAPER LENGTH
2. THIS CASE ALSO APPLIES WHEN WORK IS BEING PERFORMED ON MULTILANE UNDIVIDED HIGHWAYS UNDER THESE CONDITIONS THE SIGNS AND WARNING LIGHTS NORMALLY MOUNTED IN THE MEDIAN SHALL BE OMITTED.
3. ALL SIGNS EXCEPT FOR THOSE IN ROADWAY SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS THREE DAYS.
4. WHEN A SIDE ROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE DIRECTED AS DIRECTED BY THE ENGINEER.
5. WHEN THE ELECTRIC ARROW IS USED CARE MUST BE TAKEN TO INSURE CONTINUOUS OPERATION. IT SHALL BE POSITIONED BEHIND THE CHANNELIZATION DEVICES AND SHALL NOT BE AN UNPROTECTED OBJECT TO THE MOTORIST. MINIMUM SIGHT DISTANCE IS 1000 FT.
6. FLASHING WARNING LIGHTS AND/OR FLAGS MAY BE USED TO CALL ATTENTION TO THE ABOVE WARNING SIGNS, AS NEEDED ON THE PLANS, AND/OR AS DIRECTED BY THE ENGINEER.

SYMBOLS

- ◇ SIGN ON PORTABLE OR PERMANENT SUPPORT.
- ⬇ ELECTRIC ARROW.
- ▮ TYPE II BARRICADES.
- CHANNELIZATION DEVICE.

TYPICAL APPLICATIONS

- HAZARDOUS MATERIAL SPILLS
- STRUCTURES COLLAPSE
- OTHER MAJOR INCIDENTS

CASE E10

MULTILANE ONE WAY TRAFFIC OPERATIONS
DAY OR NIGHT OPERATIONS
FREEWAY/EXPRESSWAY CLOSURES

FOR EMERGENCY USE ONLY

CASE E10 IMPLEMENTATION GUIDANCE

THE TEMPORARY TRAFFIC CONTROL CASE DEPICTED ABOVE IS TO BE ESTABLISHED AT EXIT 85 NORTHBOUND AND/OR AT EXIT 96 SOUTHBOUND.

NOTE: THE SOUTHBOUND E10 CLOSURE MAY BE SHIFTED TO EXIT 95 OR 89 AT THE DISCRETION OF THE AUTHORITY.

ALL TAPER LENGTHS SHALL BE 1000' MINIMUM AND ELECTRIC ARROWS ARE REQUIRED FOR BOTH LANE TRANSITIONS.

A STATE TROOPER SHALL BE PRESENT AT EACH E10 SETUP AT ALL TIMES.







HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS









DETOUR - B

REVISIONS
PREPARED 11/11/12



**NORTHBOUND CLOSURE
PORTABLE CHANGEABLE MESSAGE SIGNS**

DEVICE	LOCATION	MESSAGE	
	I-64 WB /I-77 NB SOUTH OF E10 SETUP	ROAD CLOSED AHEAD	FOLLOW DETOUR B
	US60 EB WEST OF CHELYAN BRIDGE	TURNPIKE CLOSED NB	FOLLOW DETOUR B
	US60 WB EAST OF CHELYAN BRIDGE	TURNPIKE CLOSED NB	FOLLOW DETOUR B
	I-64 EB /I-77 SB NORTH OF EXIT 85	TURNPIKE DETOUR B	USE US 60 W EXIT 85









POLICE OFFICER TRAFFIC DIRECTION

DIRECTOR	LOCATION
	AT E10 MAINLINE DETOUR NORTHBOUND
	AT CHELYAN BRIDGE /WV61 INTERSECTION
	AT CHELYAN BRIDGE /US60 INTERSECTION
	AT US60 /QUINCY CENTER INTERSECTION
	AT US60 /WARRIOR WAY INTERSECTION
	AT US60 /WITCHER CREEK INTERSECTION
	AT US 60 /CAMPBELL'S CREEK INTERSECTION
	<p>AT ENTRANCE RAMPS WITHIN CLOSURE ZONE TO RESTRICT TRAFFIC FROM ENTERING TURNPIKE RAMP ENTRANCES REQUIRE CLOSURE AT THE FOLLOWING INTERCHANGES:</p> <p align="center">EXIT 89 – MARMET EXIT 95 – MACCORKLE AVE.</p>

**SOUTHBOUND CLOSURE
PORTABLE CHANGEABLE MESSAGE SIGNS**

DEVICE	LOCATION	MESSAGE	
	I-64 EB /I-77 SB NORTH OF E10 SETUP	ROAD CLOSED AHEAD	FOLLOW DETOUR B
	I-64 WB /I-77 NB SOUTH OF EXIT 95	TURNPIKE DETOUR B	USE US 60 E EXIT 96

POLICE OFFICER TRAFFIC DIRECTION

DIRECTOR	LOCATION
	AT CHELYAN BRIDGE /WV61 INTERSECTION
	AT CHELYAN BRIDGE /US60 INTERSECTION
	AT US60 /QUINCY CENTER INTERSECTION
	AT US60 /WARRIOR WAY INTERSECTION
	AT US60 /WITCHER CREEK INTERSECTION
	AT US 60 /CAMPBELL'S CREEK INTERSECTION
	AT E10 MAINLINE DETOUR SOUTHBOUND
	<p>AT ENTRANCE RAMPs WITHIN CLOSURE ZONE TO RESTRICT TRAFFIC FROM ENTERING TURNPIKE RAMP ENTRANCES REQUIRE CLOSURE AT THE FOLLOWING INTERCHANGES:</p> <p>EXIT 89 – MARMET EXIT 95 – MACCORKLE AVE.</p>

DETOUR B RESOURCE NEEDS

LOCATION	TASK	RESOURCES
E10 DETOUR – NB	WVPA Section 3 to place and assist at Police 1 as needed	Signs, stands, cones, and vehicle from Section 3
E10 DETOUR – SB	WVDOH to place and assist at Police 7 as needed	Signs, stands, cones, and vehicle from WVDOH
PCMS 1	WVPA Section 3 to place and slow flag as needed	PCMS and vehicle from Section 3
PCMS 2	WVPA Section 3 to place and slow flag as needed	PCMS and vehicle from Section 3
PCMS 3	WVDOH to place	PCMS and vehicle from WVDOH D1
PCMS 4	WVDOH to place	PCMS and vehicle from WVDOH D1
PCMS 5	WVPA Section 3 to place	PCMS and vehicle from Section 3
PCMS 6	WVPA Section 3 to place	PCMS and vehicle from Section 3

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DETOUR B RESOURCE NEEDS

LOCATION	TASK	RESOURCES
POLICE 1	Traffic direction at mainline closure	Trooper from WVSP or designee
POLICE 2	Traffic direction at Chelyan Bridge /WV61	Trooper from WVSP or designee
POLICE 3	Traffic direction at Chelyan Bridge /US60	Trooper from WVSP or designee
POLICE 4	Traffic direction at US 60 /Quincy Ctr	Trooper from WVSP or designee
POLICE 5	Traffic direction at US60 /Warrior Way	Trooper from WVSP or designee
POLICE 6	Traffic direction at US 60 /Witcher Crk	Trooper from WVSP or designee
POLICE 7	Traffic direction at US 60 /Campbell's Creek	Trooper from WVSP or designee
POLICE 8	Traffic direction at mainline closure	Trooper from WVSP or designee
POLICE * – MARMET	Traffic direction at entrance ramp closure	Trooper from WVSP or designee
POLICE * – MACCORKLE	Traffic direction at entrance ramp closure	Trooper from WVSP or designee

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PREPARED 11/11/12	

WVPA Maintenance Resources Needs – Detour B

LOCATION	TASK	RESOURCES
Police 1	WVSP	WVSP
MOT Detour	Section III to place detour on I-77 and provide two personnel to assist at Police 1 location	Section III has proper signing, personnel and vehicle
PCMS 1	Section III to provide PCMS and then slow flag	Section III has PCMS and vehicle
PCMS 3 MOT	PCMS 3 and detour MOT on I-64 EB/I-77 SB WVDOH	WVDOH to provide
PCMS 2	Section III to provide PCMS and then slow flag	Section III has PCMS and vehicle

**WVPA MAINTENANCE RESOURCE NEEDS – DETOUR B
MOT AND PCMS LOCATIONS – NORTHBOUND CLOSURE**

UNIT	LOCATION	RESOURCES
B → First Arrow Board	MM 83.8 NB I-77	WVPA Section 3 to place using signs, stands, cones and vehicle from Section 3
B S 4 L. Lane Closed	MM 83.7 NB I-77	WVPA Section 3 to place using signs, stands, cones and vehicle from Section 3
B S 3 Merge Right	MM 83.6 NB I-77	WVPA Section 3 to place using signs, stands, cones and vehicle from Section 3
B S 2 Detour 1/2 mile	MM 83.3 NB I-77, N. end of parapet wall of Bridge 3073 (1st bridge)	WVPA Section 3 to place using signs, stands, cones and vehicle from Section 3
B S 1 Freeway ends	MM 82.8 NB I-77, at tilt warning sign	WVPA Section 3 to place using signs, stands, cones and vehicle from Section 3
B M 1 PCMS 1	Just north of Barrier C where wall starts	Section 3 to place and standby PCMS and vehicle from Section 3
B M 2 PCMS 2	Rt. 60 EB, just east of Quincy Dock Rd.	Section 3 to place and monitor traffic PCMS and vehicle from Section 3
B M 6 PCMS 6	MM 87.3 SB I-77	Section 3 to place and monitor traffic PCMS and vehicle from Section 3

**WVPA MAINTENANCE RESOURCE NEEDS – DETOUR B
MOT AND PCMS LOCATIONS – SOUTHBOUND CLOSURE**

UNIT	LOCATION	RESOURCES
B M 5 PCMS 5	MM 94.3 NB I-77, just south of SB OH VMS	Section 3 to place and monitor traffic PCMS and vehicle from Section 3

**WVPA DETOUR B – NB NEXT XX MILES SUPPLEMENT
NORTHBOUND 11 MILES – APPROXIMATELY 20 MINUTES**

Sign	Location	GPS Coordinates
B - 1 Next 11 Miles	On Chelyan bridge at stop light	38°11'43" N 81°29'49" W

**WVPA DETOUR B – SB NEXT XX MILES SUPPLEMENT
SOUTHBOUND 11 MILES – APPROXIMATELY 20 MINUTES**

Sign	Location	GPS Coordinates
B - 1 Next 11 Miles	I77 SB at MM 96.5	38°19'8" N 81°34'12" W

REVISIONS	
PREPARED 10/04/17	

DETOUR C

INCIDENT AREA MP 40.0 TO 48.0

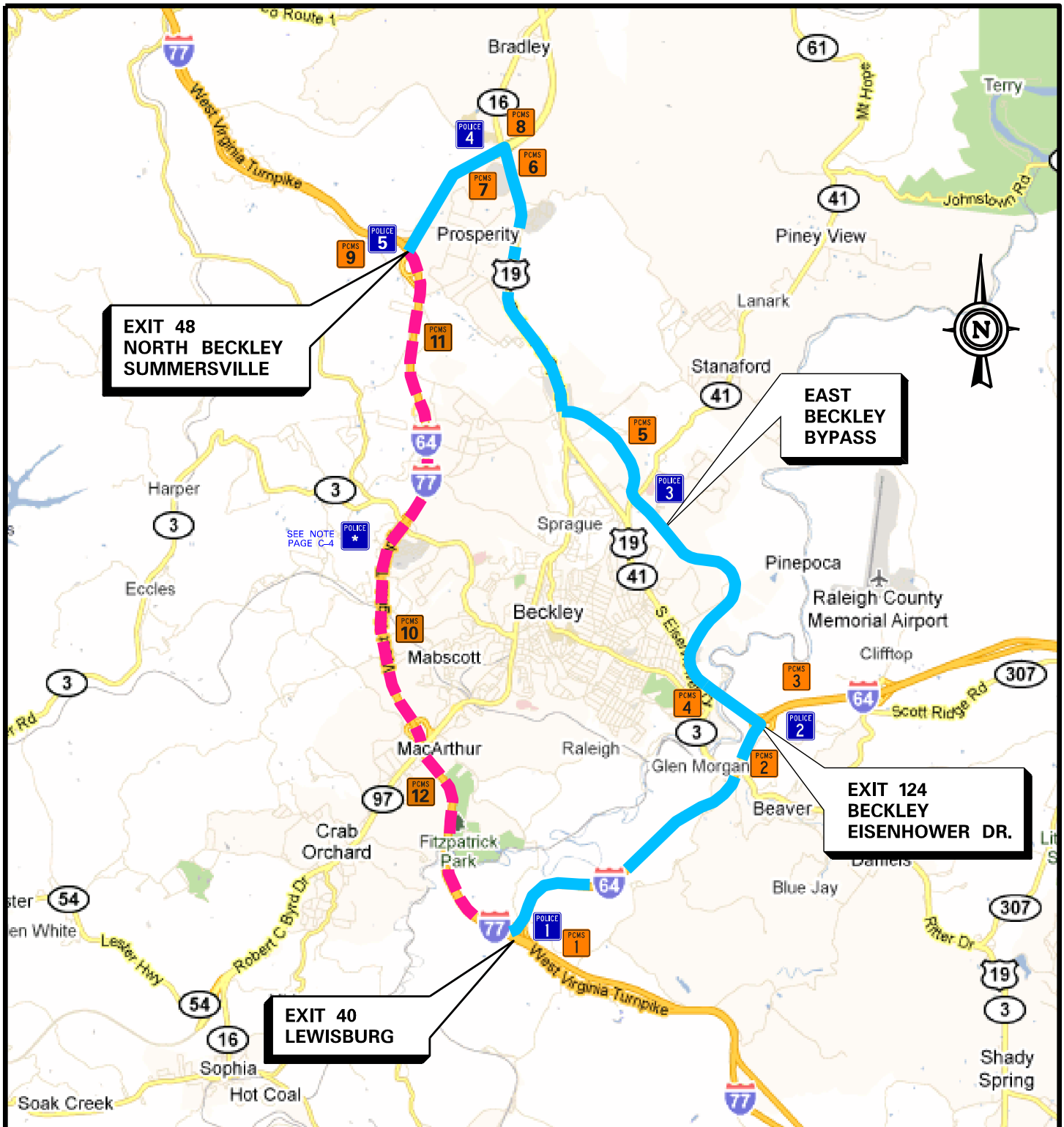
INCIDENT MANAGEMENT EMERGENCY TRAFFIC CONTROL HANDBOOK

DETOUR C
LOCATION SPECIFIC CONTACTS

RALEIGH COUNTY	
Agency	Contact Information
Raleigh County Emergency Operations Center	304-255-0911
General Ambulance Service	304-252-5800
Raleigh County Dispatch Center	304-255-9121
Raleigh County Sheriff	304-255-9300
Raleigh County Schools - Superintendent	304-256-4500x3307
Raleigh County Schools - Superintendent	304-256-4560x2353
WV State Emergency Spill Notification	800-642-3074

DIVISION OF HIGHWAYS	
Agency	Contact Information
10 (MERCER, RALEIGH)	304-487-5228
9 (FAYETTE, GREENBRIER, MONROE, NICHOLAS, SUMMERS)	304-647-7450

REVISIONS	
PREPARED 11/11/12	



LEGEND

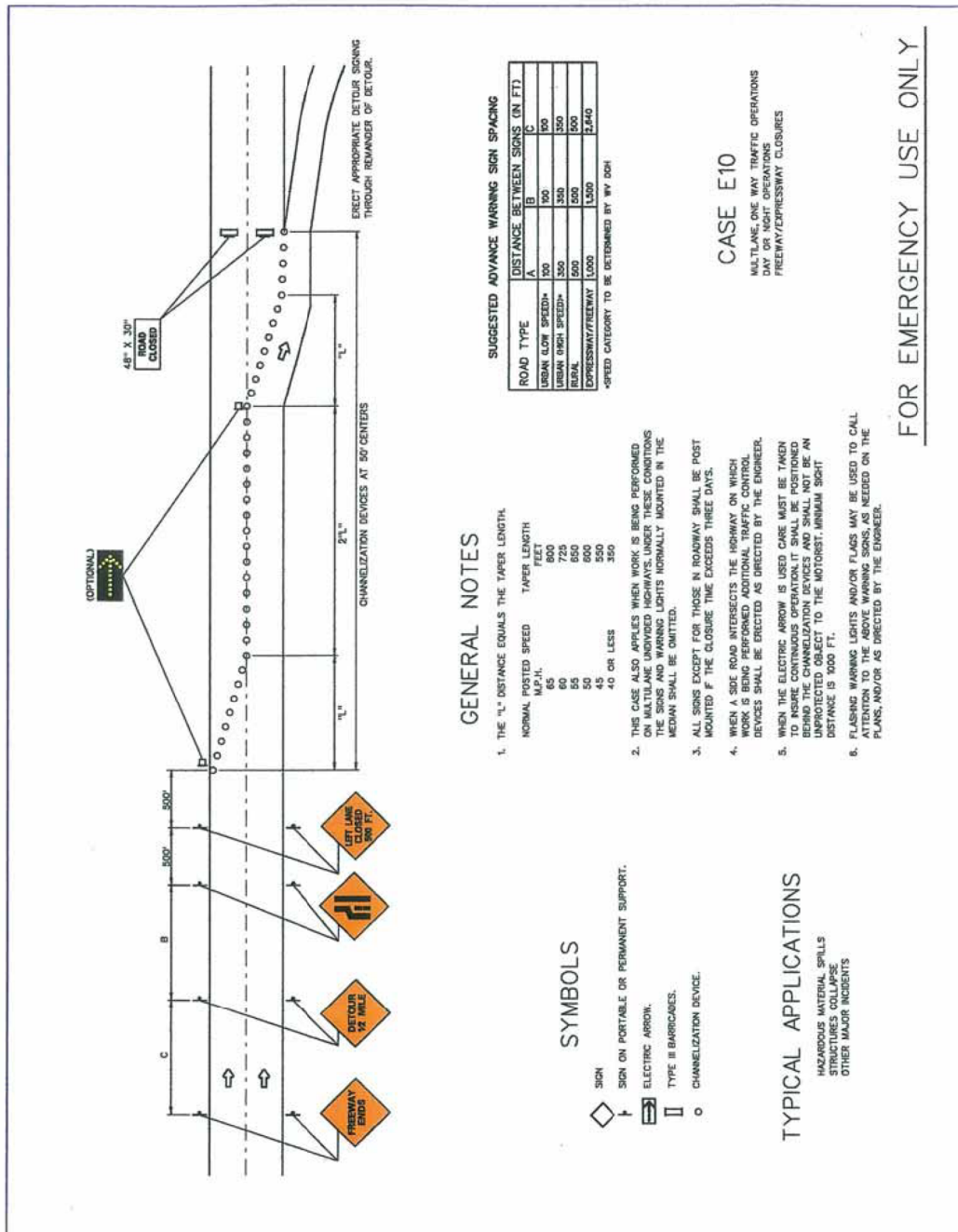
- DETOUR ROUTE
- - - - - INCIDENT AREA (MP 48.0 TO 40.0)
- PCMS
1 PORTABLE CHANGEABLE MESSAGE SIGN
- POLICE
1 POLICE OFFICER LOCATION

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ENGINEERS ARCHITECTS PLANNERS

DETOUR - C

10/15/21	
REVISIONS	
PREPARED 11/11/12	



CASE E10 IMPLEMENTATION GUIDANCE








THE TEMPORARY TRAFFIC CONTROL CASE DEPICTED ABOVE IS TO BE ESTABLISHED AT EXIT 40 NORTHBOUND AND/OR AT EXIT 48 SOUTHBOUND.

ALL TAPER LENGTHS SHALL BE 1000' MINIMUM AND ELECTRIC ARROWS ARE REQUIRED FOR BOTH LANE TRANSITIONS.






A STATE TROOPER SHALL BE PRESENT AT EACH E10 SETUP AT ALL TIMES.

REVISIONS
PREPARED 11/11/12






NORTHBOUND CLOSURE PORTABLE CHANGEABLE MESSAGE SIGNS

DEVICE	LOCATION	MESSAGE	
	I-77 NB SOUTH OF E10 SETUP	ROAD CLOSED AHEAD	FOLLOW DETOUR C
	I-64 EB WEST OF EXIT 124	TURNPIKE DETOUR C	USE NEXT EXIT
	I-64 WB EAST OF OF EXIT 124	I64W1-77N CLOSED MP 40	DETOUR C NEXT EXIT
	E. BECKLEY BYPASS EAST OF US19 /WV16 INTERSECTION	TURNPIKE DETOUR C	NEXT RIGHT
	US19 /WV16 NB SOUTH OF US19 INTERSECTION	TURNPIKE DETOUR C	NEXT LEFT
	NB ENTRANCE RAMP MABSCOTT IC	I64W177N CLOSED MP 40	FOLLOW DETOUR C
	I-64EB /I-77SB NORTH OF EXIT 40	TURNPIKE DETOUR C	USE US 19 N EXIT 40






POLICE OFFICER TRAFFIC DIRECTION

DIRECTOR	LOCATION
	AT E10 MAINLINE DETOUR NORTHBOUND
	AT EXIT 124 - EISENHOWER DRIVE
	AT EAST BECKLEY BYPASS /WV41 INTERSECTION
	AT WV16 /US19 INTERSECTION
	<p>AT ENTRANCE RAMPS WITHIN CLOSURE ZONE TO RESTRICT TRAFFIC FROM ENTERING TURNPIKE RAMP ENTRANCES REQUIRE CLOSURE AT THE FOLLOWING INTERCHANGES:</p> <p style="text-align: center;">EXIT 42 - MABSCOTT EXIT 44 - HARPER RD. EXIT 45 - TAMARACK</p>

SOUTHBOUND CLOSURE PORTABLE CHANGEABLE MESSAGE SIGNS

DEVICE	LOCATION	MESSAGE	
	E. BECKLEY BYPASS NORTH OF I-64 INTERCHANGE	TURNPIKE DETOUR C	USE I-64 WEST
	US19 NB SOUTH OF US19 /WV16 INTERSECTION	TURNPIKE DETOUR C	NEXT RIGHT
	US19 SB NORTH OF US19/WV16 INTERSECTION	I-77S CLOSED MP 48	DETOUR C NEXT EXIT
	I-64EB /I-77SB NORTH OF E10 SETUP	ROAD CLOSED AHEAD	FOLLOW DETOUR C
	I-64WB /I-77NB SOUTH OF EXIT 48	TURNPIKE DETOUR C	USE US 19 EXIT 48

POLICE OFFICER TRAFFIC DIRECTION

DIRECTOR	LOCATION
	AT EXIT 124 – EISENHOWER DRIVE
	AT EAST BECKLEY BYPASS /WV41 INTERSECTION
	AT WV16 /US19 INTERSECTION
	AT E10 MAINLINE DETOUR SOUTHBOUND
	<p>AT ENTRANCE RAMPS WITHIN CLOSURE ZONE TO RESTRICT TRAFFIC FROM ENTERING TURNPIKE RAMP ENTRANCES REQUIRE CLOSURE AT THE FOLLOWING INTERCHANGES:</p> <p style="text-align: center;">EXIT 42 – MABSCOTT EXIT 44 – HARPER RD. EXIT 45 – TAMARACK</p>

DETOUR C RESOURCE NEEDS

LOCATION	TASK	RESOURCES
E10 DETOUR – SB	WVPA Section 2 to place and standby	Signs, stands, cones, and vehicle from Section 2
E10 DETOUR – NB	WVPA Section 1 to place and slow flag as needed	Signs, stands, cones, and vehicle from Section 1
PCMS 1	WVPA Section 1 to place and standby	PCMS and vehicle from Section 1
PCMS 2	WVPA Section 2 to place and monitor traffic	PCMS and vehicle from Section 2
PCMS 3	WVDOH to use existing sign	Existing WVDOH VMS sign at MP 125, I-64 WB
PCMS 4	WVDOH to place	PCMS and vehicle from WVDOH D10
PCMS 5	WVDOH to place	PCMS and vehicle from WVDOH D10
PCMS 6	WVDOH to place	PCMS and vehicle from WVDOH D10
PCMS 7	WVDOH to place	PCMS and vehicle from WVDOH D10
PCMS 8	WVPA Section 2 to place and monitor traffic	PCMS and vehicle from Section 2
PCMS 9	WVPA Section 2 to place and monitor traffic	PCMS and vehicle from Section 2
PCMS 10	WVPA Section 2 to place and monitor traffic	PCMS and vehicle from Section 2
PCMS 11	WVPA Section 2 to place	PCMS and vehicle from Section 2
PCMS 12	WVPA Section 1 to place	PCMS and vehicle from Section 1

DETOUR C RESOURCE NEEDS

LOCATION	TASK	RESOURCES
POLICE 1	Traffic direction at mainline closure	Trooper from WVSP or designee
POLICE 2	Traffic direction at Eisenhower Dr.	Trooper from WVSP or designee
POLICE 3	Traffic direction at East Beckley Bypass /WV41	Trooper from WVSP or designee
POLICE 4	Traffic direction at WV16 /US19	Trooper from WVSP or designee
POLICE 5	Traffic direction at mainline closure	Trooper from WVSP or designee
POLICE * – MABSCOTT	Traffic direction at entrance ramp closure	Trooper from WVSP or designee
POLICE * – HARPER RD	Traffic direction at entrance ramp closure	Trooper from WVSP or designee
POLICE * – TAMARACK	Traffic direction at entrance ramp closure	Trooper from WVSP or designee

WVPA Maintenance Resource Needs – Detour C

LOCATION	TASK	RESOURCES
Police *	WVSP	WVSP
PCMS 1	Section I to place PCMS and standby	Section I has signing, personnel and vehicle
MOT Detour	Section I to place MOT detour on I-77 SB and Standby	Section I has signing, personnel and vehicle
PCMS 2	Section II to place PCMS and monitor traffic at that location	Section II has PCMS and vehicle
PCMS 6	WVDOH	WVDOH
PCMS 3	WVDOH	WVDOH (Permanent VMS sign at I-64 WB MP 125)
PCMS 4	WVDOH	WVDOH
PCMS 7	WVDOH	WVDOH
PCMS 8	Section II to place PCMS and monitor traffic at N. Beckley toll barrier	Section II has PCMS and vehicle
PCMS 9	Section II to place PCMS and monitor traffic at that location	Section II has PCMS and vehicle
MOT Detour	Section II to place MOT I-77SB and flag traffic on I-77	Section II has signing, personnel and vehicle

**WVPA MAINTENANCE RESOURCE NEEDS – DETOUR C
MOT AND PCMS LOCATIONS – NORTHBOUND CLOSURE**

UNIT	LOCATION	RESOURCES
C → First Arrow Board	Mile Marker 38.5 NB I-77	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 1
C S 4 L. Lane Closed	End of Guardrail on right shoulder	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 1
C S 3 Merge Right	Mile Marker 38.2 NB I-77, just north of large overhead guide sign	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 1
C S 2 Detour 1/2 mile	Mile Marker 37.9 NB I-77, appr. 100' from the end of the guardrail on the right shoulder	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 1
C S 1 Freeway ends	MM 37.4 NB I-77, End of Guardrail on right shoulder, near the Exit 40 – 2 miles guide sign on right	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 1
C M 1 PCMS 1	Mile Marker 36.6 NB I-77 at the crossover just south of the overhead bridge	Section 1 to place and standby PCMS and vehicle from Section 1
C M 2 PCMS 2	MM 123.2 I-64 EB, at the end of the bridge	Section 2 to place and monitor traffic PCMS and vehicle from Section 2
C M 10 PCMS 10	Exit 42 On Ramp NB/SB, at the beginning of the guardrail on the right shoulder prior to large overhead guide sign	Section 2 to place and monitor traffic PCMS and vehicle from Section 2
C M 12 PCMS 12	Mile Marker 41.5 SB	Section 1 to place PCMS and vehicle from Section 1

**WVPA MAINTENANCE RESOURCE NEEDS – DETOUR C
MOT AND PCMS LOCATIONS – SOUTHBOUND CLOSURE**

UNIT	LOCATION	RESOURCES
C → First Arrow Board	Mile Marker 48.1 SB I-77	WVPA Section 1 to place using signs, stands, cones and vehicle from Section 2
C S 4 L. Lane Closed	MM 48.6 SB I-77	WVPA Section 1 to place using signs, stands, cones and vehicle from Section 2
C S 3 Merge Right	MM 49.1 SB I-77, 10' past the start of the guardrail on the right shoulder	WVPA Section 1 to place using signs, stands, cones and vehicle from Section 2
C S 2 Detour 1/2 mile	MM 48.7 SB I-77, end of guardrail on right shoulder, just south of the crossover	WVPA Section 1 to place using signs, stands, cones and vehicle from Section 2
C S 1 Freeway ends	MM 49.1 NB I-77, beginning of guardrail on right shoulder, just north of the overhead bridge	WVPA Section 1 to place using signs, stands, cones and vehicle from Section 2
C M 8 PCMS 8	Route 19 SB mile marker 3.0, at the end of the guardrail on the right shoulder	Section 2 to place and monitor traffic PCMS and vehicle from Section 2
C M 9 PCMS 9	MM 50.25 SB I-77	Section 2 to place and monitor traffic PCMS and vehicle from Section 2
C M 11 PCMS 11	MM 46.6 NB I-77, SM 2113, middle of cut	Section 2 to place PCMS and vehicle from Section 2

**WVPA DETOUR C – NB NEXT XX MILES SUPPLEMENT
NORTHBOUND 12 MILES – APPROXIMATELY 20 MINUTES**

Sign	Location	GPS Coordinates
C-1 Next 12 Miles	I-77 NB and I-64 EB split, across from hole in the wall	37°43'42" N 81°11'28" W

**WVPA DETOUR C – SB NEXT XX MILES SUPPLEMENT
NORTHBOUND 12 MILES – APPROXIMATELY 20 MINUTES**

Sign	Location	GPS Coordinates
C-1 Next 12 Miles	Route 19 NB MM 0.0 at the bridge	37°50'23" N 81°12'43" W

REVISIONS	
PREPARED 10/04/17	

DETOUR D

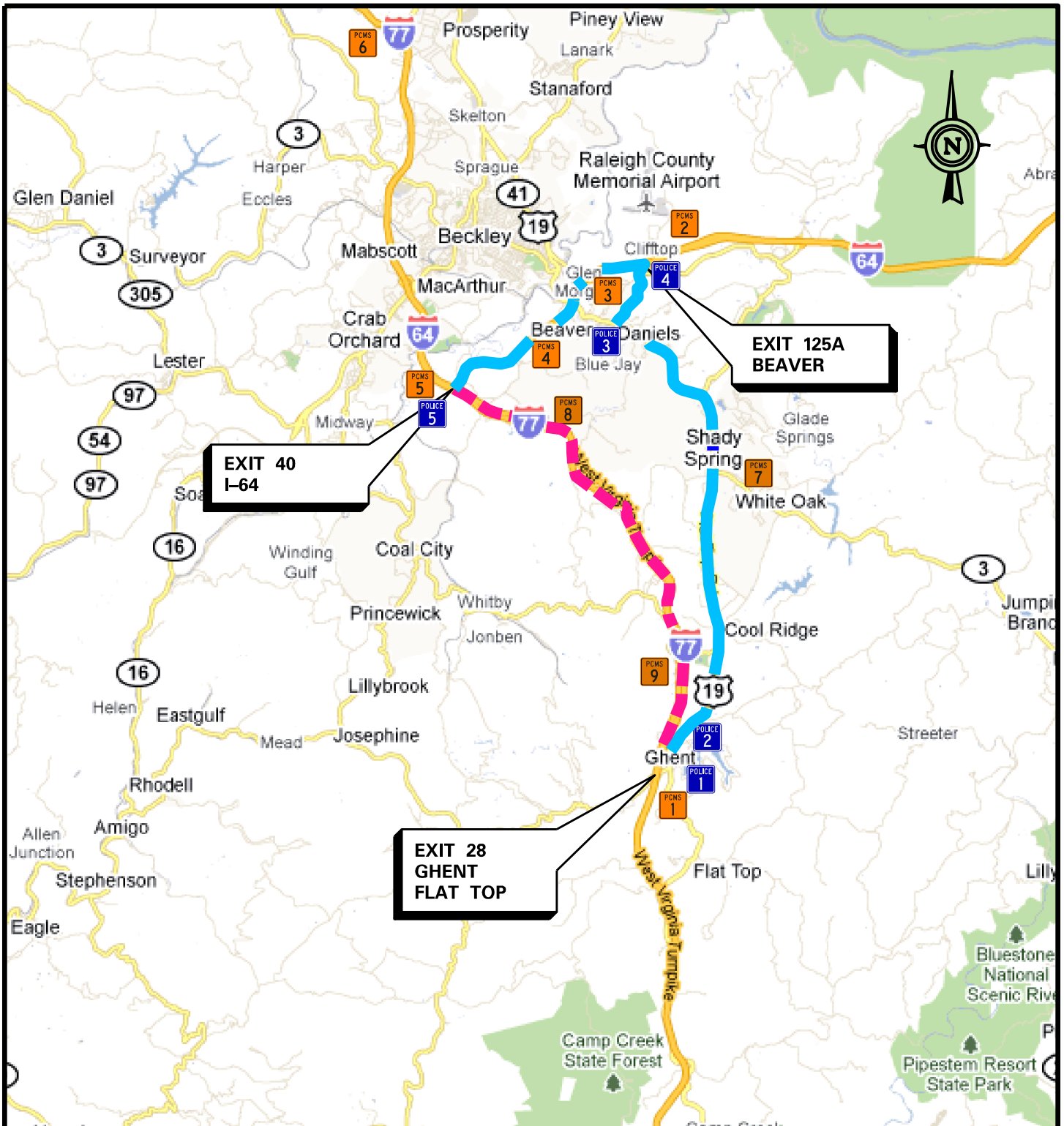
INCIDENT AREA MP 40.0 (I-64) TO 28.0

INCIDENT MANAGEMENT EMERGENCY TRAFFIC CONTROL HANDBOOK

DETOUR D
LOCATION SPECIFIC CONTACTS

RALEIGH COUNTY	
Agency	Contact Information
Raleigh County Emergency Operations Center	304-255-0911
General Ambulance Service	304-252-5800
Raleigh County Dispatch Center	304-255-9121
Raleigh County Sheriff	304-255-9300
Raleigh County Schools - Superintendent	304-256-4500x3307
Raleigh County Schools - Superintendent	304-256-4560x2353
WV State Emergency Spill Notification	800-642-3074

DIVISION OF HIGHWAYS	
DISTRICT	Contact Information
10 (MERCER, RALEIGH)	304-487-5228
9 (FAYETTE, GREENBRIER, MONROE, NICHOLAS, SUMMERS)	304-647-7450



LEGEND

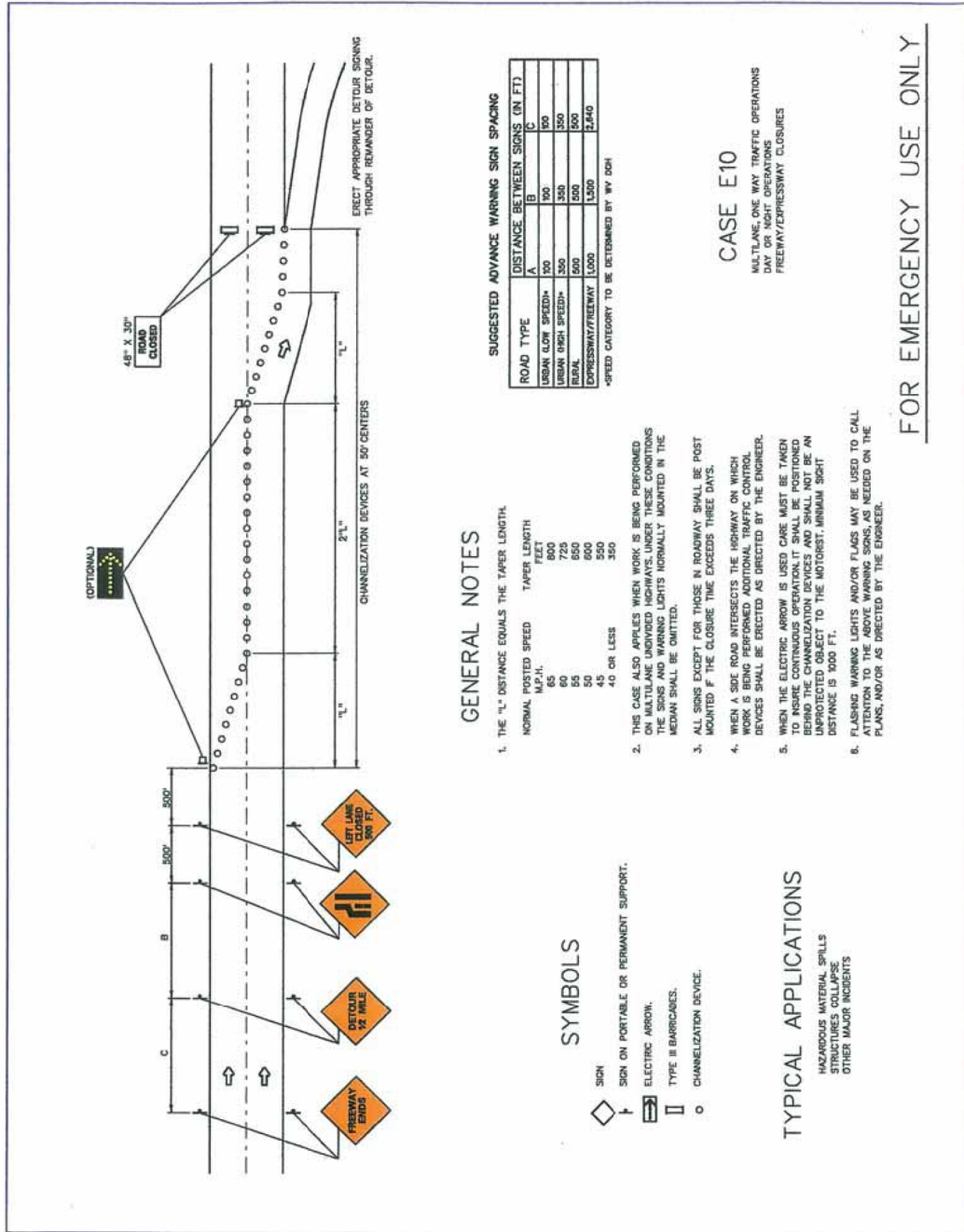
- ▬ DETOUR ROUTE
- ▬▬▬▬ INCIDENT AREA (MP 40.0 (I-64) TO 28.0)
- PCMS
1 PORTABLE CHANGEABLE MESSAGE SIGN
- POLICE
1 POLICE OFFICER LOCATION



HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS

DETOUR – D

REVISIONS	
PREPARED 11/11/12	



CASE E10 IMPLEMENTATION GUIDANCE

THE TEMPORARY TRAFFIC CONTROL CASE DEPICTED ABOVE IS TO BE ESTABLISHED AT EXIT 28 NORTHBOUND AND/OR AT EXIT 40 AND THE I-64W TO I-77 RAMP SOUTHBOUND.

ALL TAPER LENGTHS SHALL BE 1000' MINIMUM AND ELECTRIC ARROWS ARE REQUIRED FOR BOTH LANE TRANSITIONS.

A STATE TROOPER SHALL BE PRESENT AT EACH E10 SETUP AT ALL TIMES.






HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS





DETOUR - D

REVISIONS	
PREPARED 11/11/12	








**NORTHBOUND CLOSURE
PORTABLE CHANGEABLE MESSAGE SIGNS**

DEVICE	LOCATION	MESSAGE	
	I-77 NB SOUTH OF E10 SETUP	ROAD CLOSED AHEAD	FOLLOW DETOUR D
	RT 3 WB EAST OF US 19	I-77N CLOSED MP 28	USE US 19 N DETOUR D
	I-77 SB NORTH OF EXIT 28	TURNPIKE DETOUR D	USE US 19 N EXIT 28





POLICE OFFICER TRAFFIC DIRECTION

DIRECTOR	LOCATION
	AT E10 MAINLINE DETOUR NORTHBOUND
	AT ODD ROAD /US19 INTERSECTION
	AT AIRPORT ROAD /US19 INTERSECTION
	AT AIRPORT ROAD /I-64 INTERCHANGE

**SOUTHBOUND CLOSURE
PORTABLE CHANGEABLE MESSAGE SIGNS**

DEVICE	LOCATION	MESSAGE	
	I-64 WB EAST OF EXIT 125A	I-77S CLOSED MP 40	DETOUR D NEXT EXIT
	I-64 EB WEST OF EXIT 125A	TURNPIKE DETOUR D	USE NEXT EXIT
	I-64 EB WEST OF EXIT 124	TURNPIKE DETOUR D	USE EXIT 125A
	I-64 EB /I-77 SB NORTH OF E10 SETUP	ROAD CLOSED AHEAD	FOLLOW DETOUR D
	I-77 SB MILEPOST 49.0	I-77S CLOSED MP 40	FOLLOW DETOUR D
	RT 3 WB EAST OF US 19	I-77S CLOSED MP 40	FOLLOW DETOUR D
	I-77 NB SOUTH OF EXIT 40	TURNPIKE DETOUR D	USE I-64 E EXIT 40

POLICE OFFICER TRAFFIC DIRECTION

DIRECTOR	LOCATION
	AT ODD ROAD /US19 INTERSECTION
	AT AIRPORT ROAD /US19 INTERSECTION
	AT AIRPORT ROAD /I-64 INTERCHANGE
	AT E10 MAINLINE DETOUR SOUTHBOUND

DETOUR D RESOURCE NEEDS

LOCATION	TASK	RESOURCES
E10 DETOUR – NB	WVPA Section 1 to place and monitor traffic	Signs, stands, cones, and vehicle from Section 1
E10 DETOUR – SB	WVPA Section 2 to place and monitor traffic	Signs, stands, cones, and vehicle from Section 2
E10 DETOUR–RAMP I-64W TO I-77S	WVPA Section 2 to place and monitor traffic	Signs, stand, cones, and vehicle from Section 2
PCMS 1	WVPA Section 1 to place and monitor traffic	PCMS and vehicle from Section 1
PCMS 2	WVDOH to place	PCMS and vehicle from WVDOH D10
PCMS 3	WVPA Section 2 to place and monitor traffic	PCMS and vehicle from Section 2
PCMS 4	WVPA Section 2 to place and monitor traffic	PCMS and vehicle from Section 2
PCMS 5	WVPA Section 2 to place and monitor traffic	PCMS and vehicle from Section 2
PCMS 6	WVPA Section 3 to place and standby	PCMS and vehicle from Section 3
PCMS 7	WVDOH to place	PCMS and vehicle from WVDOH D10
PCMS 8	WVPA Section 1 to place	PCMS and vehicle from Section 1
PCMS 9	WVPA Section 1 to place	PCMS and vehicle from Section 1
SOUTH OF E10 NB	WVPA Section 1 to provide slow flaggers	Employees and vehicle from Section 1
NORTH OF E10 SB	WVPA Section 2 to provide slow flaggers	Employees and vehicle from Section 2

DETOUR D RESOURCE NEEDS

LOCATION	TASK	RESOURCES
POLICE 1	Traffic direction at mainline closure	Trooper from WVSP or designee
POLICE 2	Traffic direction at Odd Rd /US 19	Trooper from WVSP or designee
POLICE 3	Traffic direction at Airport Rd /US 19	Trooper from WVSP or designee
POLICE 4	Traffic direction at Airport Rd /I-64	Trooper from WVSP or designee
POLICE 5	Traffic direction at mainline closure	Trooper from WVSP or designee

WVPA Maintenance Resource Needs – Detour D

LOCATION	TASK	RESOURCES
PCMS 1 MOT	Section I to place PCMS, detour MOT and monitor traffic at that location	Section I has PCMS, personnel and vehicle
PCMS 2	WVDOH	WVDOH
PCMS 3	Section II to place PCMS and monitor traffic at that location	Section II has PCMS, personnel and vehicle
PCMS 4	Section II to place PCMS and monitor traffic at that location	Section II has PCMS, personnel and vehicle
PCMS 5 MOT	Section II to place PCMS, detour MOT and monitor traffic at that location	Section II has PCMS, personnel and vehicle
PCMS 6 at I-77 SB mile post 49	Section III to place PCMS and standby	Section III has PCMS, personnel and vehicle
I-77 NB	Slow flaggers	Section I to provide
I-77 SB	Slow flaggers	Section II to provide

**WVPA MAINTENANCE RESOURCE NEEDS – DETOUR D
MOT AND PCMS LOCATIONS – NORTHBOUND CLOSURE**

UNIT	LOCATION	RESOURCES
D → First Arrow Board	MM 27.9 NB I-77	WVPA Section 1 to place using signs, stands, cones and vehicle from Section 1
D S 4 L. Lane Closed	MM 27.8 NB I-77, just south of Exit 28 – 1 mile guide sign	WVPA Section 1 to place using signs, stands, cones and vehicle from Section 1
D S 3 Merge Right	MM 27.7 NB I-77, just south of Exit 28 sign	WVPA Section 1 to place using signs, stands, cones and vehicle from Section 1
D S 2 Detour 1/2 mile	MM 27.4 NB I-77, SM 1042	WVPA Section 1 to place using signs, stands, cones and vehicle from Section 1
D S 1 Freeway ends	MM 27.0 NB I-77	WVPA Section 1 to place using signs, stands, cones and vehicle from Section 1
D M 1 PCMS 1	Cross over at MM 26.5 NB I-77, SM 969+40, in the median	Section 1 to place and standby PCMS and vehicle from Section 1
D M 9 PCMS 9	MM 29.9 SB I-77, start of the guardrail on the right shoulder at Exit 28 – 3/4 Mile guide sign	Section 1 to place and standby PCMS and vehicle from Section 1

**WVPA MAINTENANCE RESOURCE NEEDS – DETOUR D
MOT AND PCMS LOCATIONS – SOUTHBOUND CLOSURE**

UNIT	LOCATION	RESOURCES
D → First Arrow Board	Mile Marker 41.5 SB I-77	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
D S 4 L. Lane Closed	MM 41.6 SB I-77	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
D S 3 Merge Right	MM 41.7 SB I-77, 100' past the end of the guardrail on the right shoulder	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
D S 2 Detour 1/2 mile	MM 41.9 SB I-77, gore area of Nurse Veterans bridge and 42 SB on ramp	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
D S 1 Freeway ends	MM 42.5 SB I-77, end of guardrail on right shoulder, just north of Exit 42 – 1/4 Mile guide sign	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
D M 3 PCMS 3	MM 123.8 I-64 EB, start of gore area of 124 entrance ramp	Section 2 to place and monitor traffic PCMS and vehicle from Section 2
D M 4 PCMS 4	MM 123.2 I-64 EB	Section 2 to place and monitor traffic PCMS and vehicle from Section 2
D M 5 PCMS 5	MM 43.4 SB I-77, SM 1939, just south of Whitestick bridge	Section 2 to place and monitor traffic PCMS and vehicle from Section 2
D M 6 PCMS 6	MM 48.7 SB I-77, end of guardrail on right shoulder, just south of crossover	Section 3 to place and monitor traffic PCMS and vehicle from Section 3
D M 8 PCMS 8	MM 36.6 SB I-77, crossover in the median, just south of overhead bridge	Section 1 to place PCMS and vehicle from Section 1

**WVPA DETOUR D – NB NEXT XX MILES SUPPLEMENT
NORTHBOUND 18 MILES – APPROXIMATELY 25 MINUTES**

Sign	Location	GPS Coordinates
D - 1 Next 18 Miles	I-77 NB at Ghent Exit	37°36'39" N 81°7'14" W
D - 2 Next 17 Miles	Intersection of Odd Road and Route 19	37°36'60" N 81°6'54" W
D - No # Next 10 Miles	Intersection of Route 19 and Route 3 at the stop light	37°42'19" N 81°5'54" W
D - 3 Next 7 Miles	Intersection of Route 19 and Airport Road	37°44'56" N 81°8'5" W

**WVPA DETOUR D – SB NEXT XX MILES SUPPLEMENT
NORTHBOUND 18 MILES – APPROXIMATELY 20 MINUTES**

Sign	Location	GPS Coordinates
D - 1 Next 18 Miles	I-77 SB at split on left side past Piney Creek bridge	37°44'41" N 81°12'58" W
D - 2 Next 11 Miles	Intersection of Airport Road and Route 19 at Walgreens lot entrance	37°44'56" N 81°08'05" W
D - 3 Next 6 Miles	Intersection of Route 19 and Route 3 at the stop light	37°42'19" N 81°5'54" W

DETOUR E

INCIDENT AREA MP 28.0 TO 9.0

INCIDENT MANAGEMENT EMERGENCY TRAFFIC CONTROL HANDBOOK

DETOUR E
LOCATION SPECIFIC CONTACTS

MERCER COUNTY	
Agency	Contact Information
Mercer County Emergency Communication Center	304-425-8911
Princeton Rescue	304-425-3914
Mercer County Sheriff	304-487-8364
Mercer County Schools - Superintendent	304-487-1551x236
Mercer County Schools - Supervisor of Transp. and Safety	304-487-1551x250/251
WV State Emergency Spill Notification	800-642-3074

MONROE COUNTY	
Agency	Contact Information
Monroe County Office of Emergency Services	304-772-3911
Monroe County Sheriff's Office	304-772-3018
Union Rescue / Monroe Transport	304-772-3383
Monroe County Schools - Superintendent	304-772-3094
Monroe County Schools - Transportation	304-646-4978 c
WV State Emergency Spill Notification	800-642-3074

GREENBRIER COUNTY	
Agency	Contact Information
Greenbrier County Office of Emergency Services	304-645-5444
Greenbrier County Sheriff	304-647-6094
Greenbrier County 911 Center	304-647-7901
Greenbrier County Schools - Superintendent	304-647-3470
Greenbrier County Schools - Transportation Supervisor	304-647-6461
WV State Emergency Spill Notification	800-642-3074

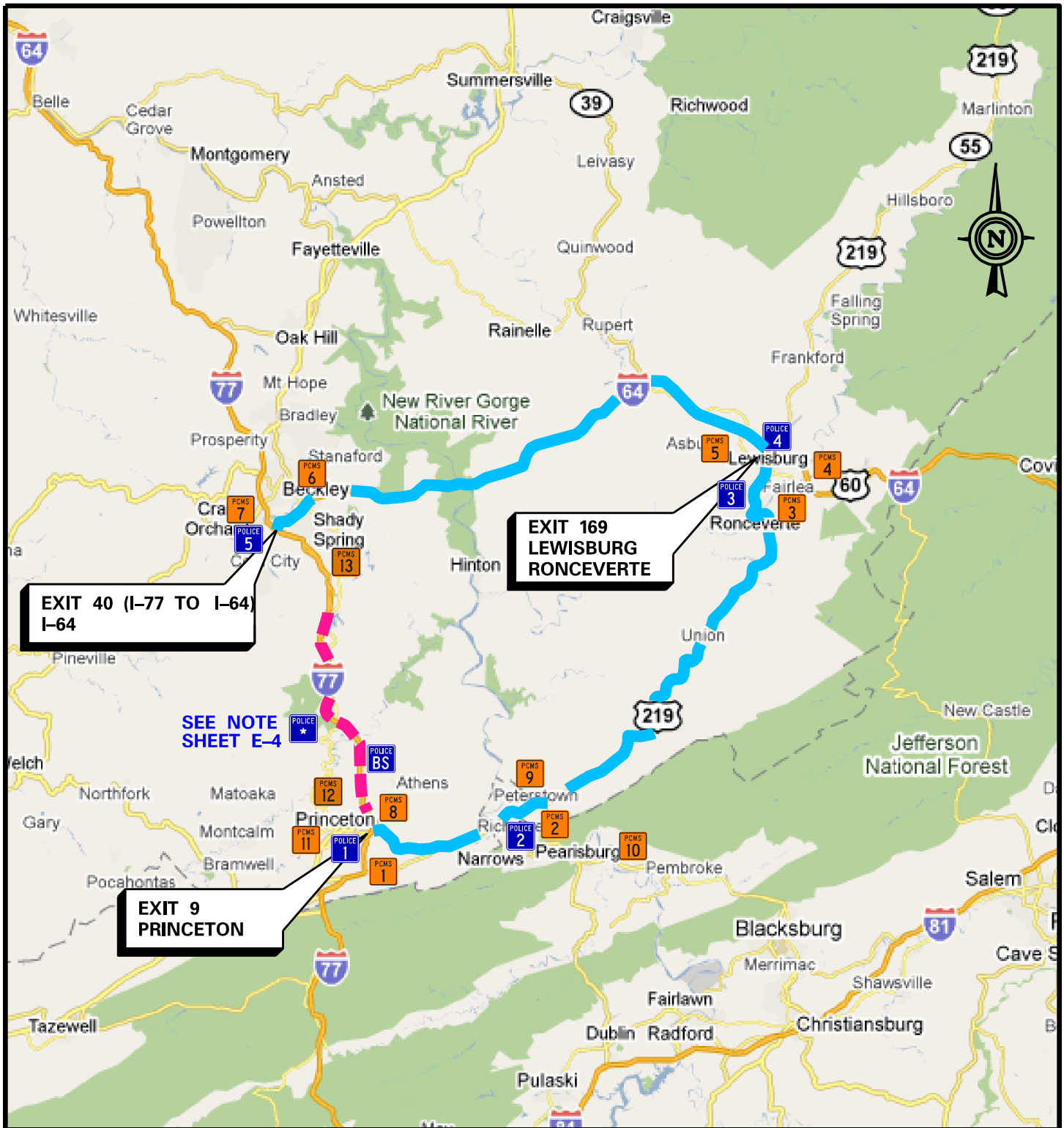
SUMMERS COUNTY	
Agency	Contact Information
Summers County Enhance 911 Center	304-466-5613
Summers County Office of Emergency Services	304-466-5613
Summers County Sheriff	304-466-7111
Summers County Emergency Medical Services	304-466-0312
Summers County Schools - Superintendent	304-466-6000
Summers County Schools - Transportation Director	304-466-6017
WV State Emergency Spill Notification	800-642-3074

RALEIGH COUNTY	
Agency	Contact Information
Raleigh County Emergency Operations Center	304-255-0911
General Ambulance Service	304-252-5800
Raleigh County Dispatch Center	304-255-9121
Raleigh County Sheriff	304-255-9300
Raleigh County Schools - Superintendent	304-256-4500x3307
Raleigh County Schools - Superintendent	304-256-4560x2353
WV State Emergency Spill Notification	800-642-3074

DETOUR E
LOCATION SPECIFIC CONTACTS

GILES COUNTY (VA)	
Agency	Contact Information
Giles County 911 Center	540-626-3800
Giles County Sheriff	540-921-3842
Giles Lifesaving and Rescue Squad	540-921-4357
Giles County Schools - Superintendent	540-921-1421
Giles County Schools - Transportation	540-921-1421x10

DIVISION OF HIGHWAYS	
DISTRICT	Contact Information
10 (MERCER, RALEIGH)	304-487-5228
9 (FAYETTE, GREENBRIER, MONROE, NICHOLAS, SUMMERS)	304-647-7450







**EXIT 40 (I-77 TO I-64)
I-64**

**EXIT 169
LEWISBURG
RONCEVERTE**

**EXIT 9
PRINCETON**

SEE NOTE
SHEET E-4

LEGEND

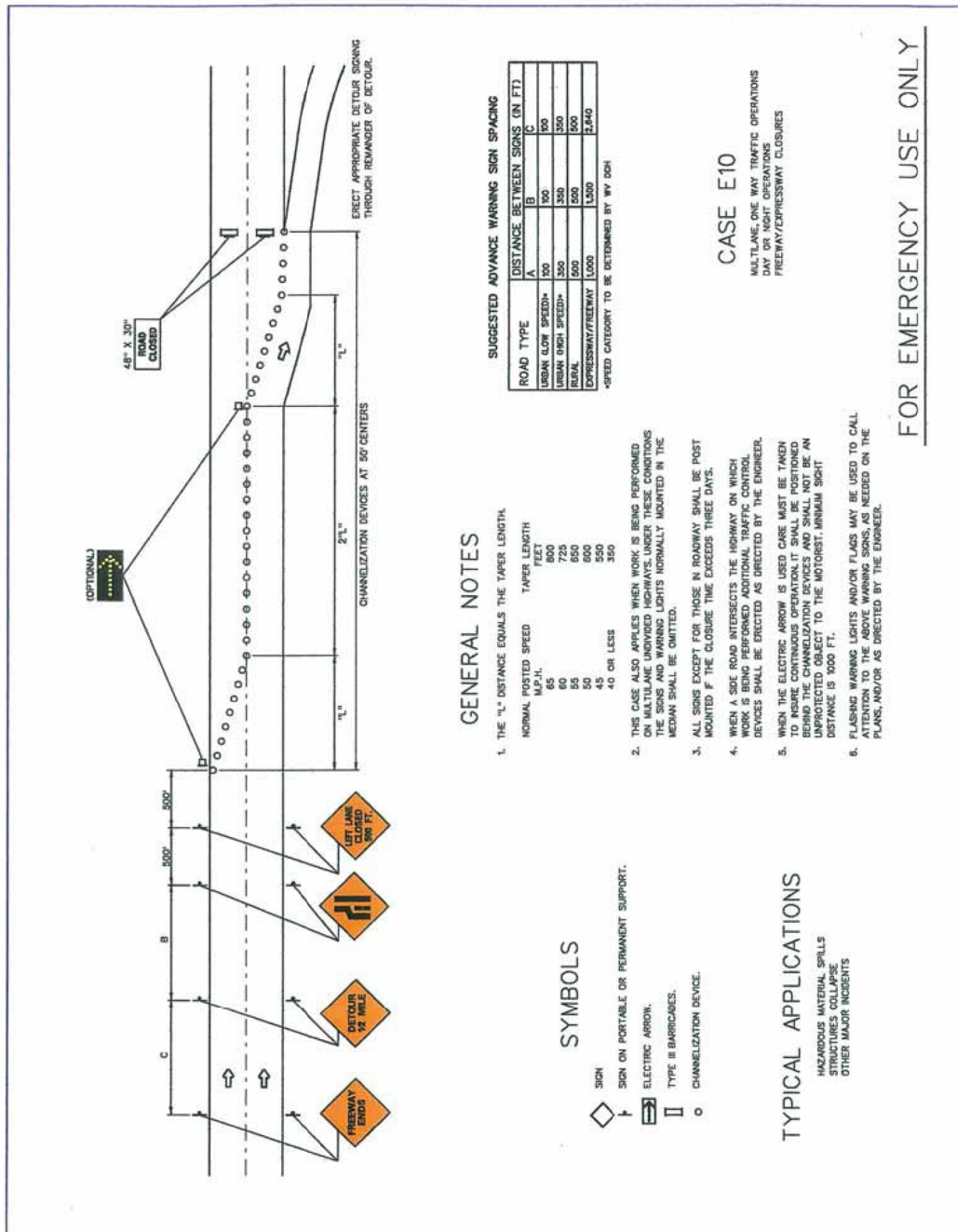
-  **DETOUR ROUTE**
-  **INCIDENT AREA (MP 28.0 TO 9.0)**
-  **PORTABLE CHANGEABLE MESSAGE SIGN**
-  **POLICE OFFICER LOCATION**



HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS

DETOUR - E

REVISIONS	
PREPARED 11/11/12	



CASE E10 IMPLEMENTATION GUIDANCE

THE TEMPORARY TRAFFIC CONTROL CASE DEPICTED ABOVE IS TO BE ESTABLISHED AT EXIT 9 NORTHBOUND AND/OR AT EXIT 40 SOUTHBOUND.

ALL TAPER LENGTHS SHALL BE 1000' MINIMUM AND ELECTRIC ARROWS ARE REQUIRED FOR BOTH LANE TRANSITIONS.

A STATE TROOPER SHALL BE PRESENT AT EACH E10 SETUP AT ALL TIMES.









HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS







DETOUR - E

REVISIONS
PREPARED 11/11/12








NORTHBOUND CLOSURE PORTABLE CHANGEABLE MESSAGE SIGNS

DEVICE	LOCATION	MESSAGE	
	I-77 NB SOUTH OF E10 SETUP	ROAD CLOSED AHEAD	FOLLOW DETOUR E
	US460 EB WEST OF US219	TURNPIKE DETOUR E	USE NEXT EXIT
	US219 NB SOUTH OF I-64	TURNPIKE DETOUR E	USE I-64 WEST
	US460 WB EAST OF US219	I-77 N CLOSED MP 9	USE US219 NORTH
	US460 EB WEST OF I-77	I-77 N CLOSED MP 9	FOLLOW DETOUR E
	I-77 SB NORTH OF EXIT 9	TURNPIKE DETOUR E	USE US 460E EXIT 9






POLICE OFFICER TRAFFIC DIRECTION

DIRECTOR	LOCATION
	AT E10 MAINLINE DETOUR NORTHBOUND
	AT US460/US219 INTERCHANGE
	DOWNTOWN LEWISBURG
	AT I-64 /US219 INTERCHANGE
	BLUESTONE TRAVEL PLAZA
	<p>AT ENTRANCE RAMPS WITHIN CLOSURE ZONE TO RESTRICT TRAFFIC FROM ENTERING TURNPIKE</p> <p>RAMP ENTRANCES REQUIRE CLOSURE AT THE FOLLOWING INTERCHANGES:</p> <p style="margin-left: 40px;">EXIT 14 - ATHENS ROAD EXIT 20 - CAMP CREEK</p>

SOUTHBOUND CLOSURE PORTABLE CHANGEABLE MESSAGE SIGNS

DEVICE	LOCATION	MESSAGE	
	I-64 WB EAST OF US219	I-77S CLOSED MP 40	DETOUR E NEXT EXIT
	I-64 EB WEST OF US219	TURNPIKE DETOUR E	USE NEXT EXIT
	I-64 WB EAST OF I-77	I-77S CLOSED MP 40	USE I-64E TO US 219 DETOUR E
	I-77 SB /I-64 EB NORTH OF E10 SETUP	ROAD CLOSED AHEAD	FOLLOW DETOUR E
	US460 WB EAST OF I-77	TURNPIKE DETOUR E	USE NEXT EXIT
	US219 SB NORTH OF US 460	TURNPIKE DETOUR E	USE US460 WEST
	I-77 NB SOUTH OF EXIT 40	TURNPIKE DETOUR E	USE I-64E EXIT 40

POLICE OFFICER TRAFFIC DIRECTION

DIRECTOR	LOCATION
	AT US460/US219 INTERCHANGE
	DOWNTOWN LEWISBURG
	AT I-64 /US219 INTERCHANGE
	AT E10 MAINLINE DETOUR SOUTHBOUND
	<p>AT ENTRANCE RAMPS WITHIN CLOSURE ZONE TO RESTRICT TRAFFIC FROM ENTERING TURNPIKE</p> <p>RAMP ENTRANCES REQUIRE CLOSURE AT THE FOLLOWING INTERCHANGES:</p> <p style="margin-left: 40px;">EXIT 14 - ATHENS ROAD EXIT 20 - CAMP CREEK EXIT 28 - GHENT</p>

DETOUR E RESOURCE NEEDS

LOCATION	TASK	RESOURCES
E10 DETOUR – NB	WVPA Section 1 to place and monitor traffic	Signs, stands, cones, and vehicle from Section 1
E10 DETOUR – SB	WVPA Section 2 to place and monitor traffic	Signs, stands, cones, and vehicle from Section 2
PCMS 1	WVPA Section 1 to place and monitor traffic	PCMS and vehicle from Section 1
PCMS 2	VDOT to place	PCMS and vehicle from VDOT
PCMS 3	WVDOH to place	PCMS and vehicle from WVDOH D9
PCMS 4	WVDOH to place	PCMS and vehicle from WVDOH D9
PCMS 5	WVDOH to place	PCMS and vehicle from WVDOH D9
PCMS 6	WVPA Section 2 to place and monitor traffic	PCMS and vehicle from Section 2
PCMS 7	WVPA Section 2 to place and monitor traffic	PCMS and vehicle from Section 2
PCMS 8	WVPA Section 1 to place and monitor traffic	PCMS and vehicle from Section 1
PCMS 9	VDOT to place	PCMS and vehicle from VDOT
PCMS 10	VDOT to place	PCMS and vehicle from VDOT
PCMS 11	WVDOH to place	PCMS and vehicle from WVDOH D10
PCMS 12	WVPA Section 1 to place	PCMS and vehicle from Section 1
PCMS 13	WVPA Section 2 to place	PCMS and vehicle from Section 2

DETOUR E RESOURCE NEEDS

LOCATION	TASK	RESOURCES
POLICE 1	Traffic direction at mainline closure	Trooper from WVSP or designee
POLICE 2	Traffic direction at US460 /US219	Trooper from WVSP or designee
POLICE 3	Traffic direction – Downtown Lewisburg	Trooper from WVSP or designee
POLICE 4	Traffic direction at I-64/US219	Trooper from WVSP or designee
POLICE 5	Traffic direction at mainline closure	Trooper from WVSP or designee
POLICE * – CAMP CREEK	Traffic direction at entrance ramp closure	Trooper from WVSP or designee
POLICE * – GHENT	Traffic direction at entrance ramp closure	Trooper from WVSP or designee
POLICE * – BLUESTONE TRAVEL	Traffic direction for queued traffic at Bluestone Travel Plaza	Trooper from WVSP or designee

WVPA Maintenance Resource Needs – Detour E

LOCATION	TASK	RESOURCES
PCMS 1 MOT	Section I to place PCMS, detour MOT and monitor traffic at that location	Section I has PCMS, personnel and vehicle
PCMS 8	Section I to place PCMS, detour MOT and monitor traffic at that location	Section I has PCMS, personnel and vehicle
PCMS 2	VDOT	VDOT
PCMS 9	VDOT	VDOT
PCMS 3	WVDOH	WVDOH
PCMS 4	WVDOH	WVDOH
PCMS 5	WVDOH	WVDOH
PCMS 6	Section II to place PCMS and monitor traffic at that location	Section I has PCMS, personnel and vehicle
PCMS 7 MOT	Section II to place PCMS, detour MOT and monitor traffic at that location	Section I has PCMS, personnel and vehicle
Police *	WVSP needed for traffic stuck at Bluestone travel plaza	WVSP
PCMS 10	PCMS needed on 460 WB stating I-77 NB closed at Princeton	VDOT
PCMS 11	PCMS needed on 460 EB prior to Princeton on ramp stating I-77 NB closed at Princeton	WVDOH

**WVPA MAINTENANCE RESOURCE NEEDS – DETOUR E
MOT AND PCMS LOCATIONS – NORTHBOUND CLOSURE**

UNIT	LOCATION	RESOURCES
E → First Arrow Board	MM 7.9 NB of I-77	WVPA Section 1 to place and monitor using signs, stands, cones and vehicle from Section 1
E S 4 L. Lane Closed	MM 7.8 NB of I-77	WVPA Section 1 to place and monitor using signs, stands, cones and vehicle from Section 1
E S 3 Merge Right	MM 7.7 NB of I-77	WVPA Section 1 to place and monitor using signs, stands, cones and vehicle from Section 1
E S 2 Detour 1/2 mile	MM 7.4 NB I-77, right at mile marker sign	WVPA Section 1 to place and monitor using signs, stands, cones and vehicle from Section 1
E S 1 Freeway ends	MM 6.9 NB I-77, 100' north of Exit 7 gore area	WVPA Section 1 to place and monitor using signs, stands, cones and vehicle from Section 1
E M 1 PCMS 1	MM 6.4 NB I-77, start of guardrail on right shoulder (Note: turn-around at MM 6.0)	WVPA Section 1 to place using PCMS and vehicle from Section 1
E M 12 PCMS 12	MM 10.7 SB I-77, SM 136, place on the right shoulder	WVPA Section 1 to place using PCMS and vehicle from Section 1

**WVPA MAINTENANCE RESOURCE NEEDS – DETOUR E
MOT AND PCMS LOCATIONS – SOUTHBOUND CLOSURE**

UNIT	LOCATION	RESOURCES
E → First Arrow Board	MM 41.5 SB I-77	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
E S 4 L. Lane Closed	MM 41.6 SB I-77	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
E S 3 Merge Right	MM 41.7 SB I-77	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
E S 2 Detour 1/2 mile	MM 41.9 SB I-77, in the gore area at the start of Nurse Veterans bridge	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
E S 1 Freeway ends	MM 42.5 SB I-77, end of guardrail on right shoulder, near the Exit 42 – 1/4 Mile sign	WVPA Section 2 to place using signs, stands, cones and vehicle from Section 2
E M 6 PCMS 6	MM 124.3 I-64 WB, SM 266+00	Section 2 to place and monitor traffic PCMS and vehicle from Section 2
E M 7 PCMS 7	MM 43.4 SB I-77, SM 1935, just south of Whitestick bridge	Section 2 to place and monitor traffic PCMS and vehicle from Section 2
E M 8 PCMS 8	MM 15.9, Rt. 460 WB, start of guardrail on right shoulder	Section 1 to place PCMS and vehicle from Section 1
E M 13 PCMS 13	MM 36.6 NB I-77, at the crossover, in the median	Section 1 to place PCMS and vehicle from Section 1

**WVPA DETOUR E – NB NEXT XX MILES SUPPLEMENT
NORTHBOUND 113 MILES – APPROXIMATELY 3 HOURS 15 MINUTES**

Sign	Location	GPS Coordinates
E - 1 Next 113 Miles	I-77 NB MM 8.7, Princeton off ramp	37°21'51" N 81°2'59" W
E - 2 Next 113 Miles	I-77 NB off ramp and Rt. 460 Intersection at the stop light	37°21'46" N 81°2'45" W
E - 3 Next 101 Miles	Rt. 460, 3 1/2 miles from the Rt. 219 intersection	37°21'50" N 80°52'15" W
E - 4 Next 84 Miles	Rt. 219 approximately 12 mile marker	37°28'47" N 80°37'34" W
E - 5 Next 50 Miles	Intersection of Rt. 219 and I-64 WB on ramp, at the stop light	37°48'59" N 80°25'40" W

**WVPA DETOUR E – SB NEXT XX MILES SUPPLEMENT
SOUTHBOUND 113 MILES – APPROXIMATELY 3 HOURS 15 MINUTES**

Sign	Location	GPS Coordinates
E - 1 Next 113 Miles	I-77 S and I-64 E split, mile marker 40, on the left side of road past Piney Creek Bridge	37°44'41" N 81°12'58" W
E - 2 Next 89 Miles	I-64 E approximately 1/2 mile past the Green Sulphur exit, at MP 144.	37°49'03" N 80°48'46" W
E - 3 Next 63 Miles	I-64 E, at Lewisburg exit	37°49'05" N 80°25'57" W
E - 4 Next 57 Miles	Route 219 at Ronceverte	37°35'22" N 80°32'36" W
E - 5 Next 41 Miles	Route 219 at Union	38°5'46" N 81°3'1" W