APPENDIX G

Traffic Management

APPENDIX G: TRAFFIC MANAGEMENT

This appendix presents suggested traffic control measures to facilitate the evacuation of the Calvert Cliffs Nuclear Power Station EPZ. Pages G-2 through G-23 detail Traffic Control Points (TCP), which are typically intersections within the EPZ; these points are established to facilitate the flow of evacuee traffic from within the EPZ. Table G-1 summarizes the TCP and the manpower and equipment needed to implement traffic control. Figure G-1 provides detailed mapping of the location of each traffic control point.

Pages G-24 through G-29 detail the Access Control Points (ACP), which are typically on the periphery of the EPZ; these points are established to divert vehicles from entering the EPZ. Doing so provides all of the available roadway capacity within the EPZ to the evacuees and also prevents people from entering the EPZ and being exposed to risk. Table G-2 summarizes the ACP and the manpower and equipment needed to establish access control, while Figure G-2 provides a detailed map of the location of each ACP.

Manpower and equipment shortages are likely to arise; as such, prioritization of TCP and ACP is established to make the most efficient use of manpower and equipment in the event of an emergency. The use of ITS technologies, as outlined in Section 9, will also aid in overcoming manpower shortages.

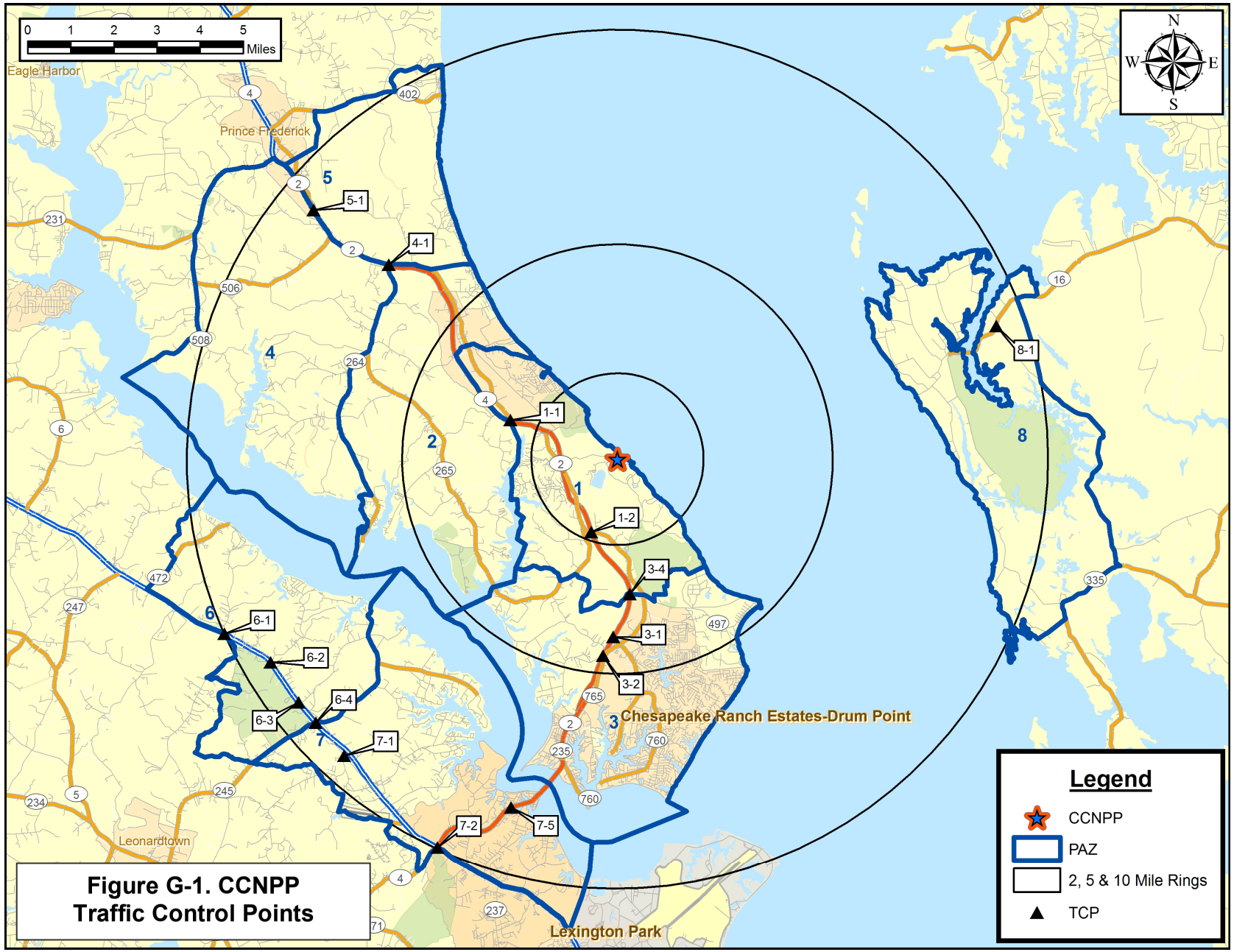


Figure G-1. CCNPP Traffic Control Points

Table G-1. Traffic Control Points					
Priority	ID#	Town	Intersection Location	# of Guides	# of Cones
CALVERT COUNTY					
1	3-1	Lusby	State Highway 2/4 & State Highway 760	2	0
1	3-2	Lusby	State Highway 2/4 & Coster Rd	2	12
1	3-4	Lusby	State Highway 2/4 & Cove Point Rd	2	9
3	1-1	St. Leonard	State Highway 2/4 & State Highway 765	2	6
3	1-2	Lusby	State Highway 2/4 & State Highway 765	2	0
3	4-1	Port Republic	State Highway 2/4 & State Highway 264	4	12
3	5-1	Prince Frederick	State Highway 2/4 & State Highway 765	2	9
			Total Manpower & Equipment for Calvert County	**16**	**48**
DORCHESTER COUNTY					
3	8-1	Church Creek	State Highway 16 & Smithville Rd	1	3
			Total Manpower & Equipment for Dorchester County	**1**	**3**
ST. MARY'S COUNTY					
1	6-4	Hollywood	State Highway 235 & State Highway 245	4	9
1	7-2	California	State Highway 235 & State Highway 4	6	9
3	6-1	Mechanicsville	State Highway 235 & S Sandgates Rd	4	9
3	6-2	Hollywood	State Highway 235 & Jones Wharf Rd	2	9
3	6-3	Hollywood	State Highway 235 & Old Three Notch Rd	1	6
3	7-1	Hollywood	State Highway 235 & St. Johns Rd	4	6
3	7-5	California	State Highway 4 & Patuxent Beach Rd	1	3
			Total Manpower & Equipment for St. Mary's County	**22**	**51**
			Total Manpower & Equipment for EPZ	**39**	**102**

TCP

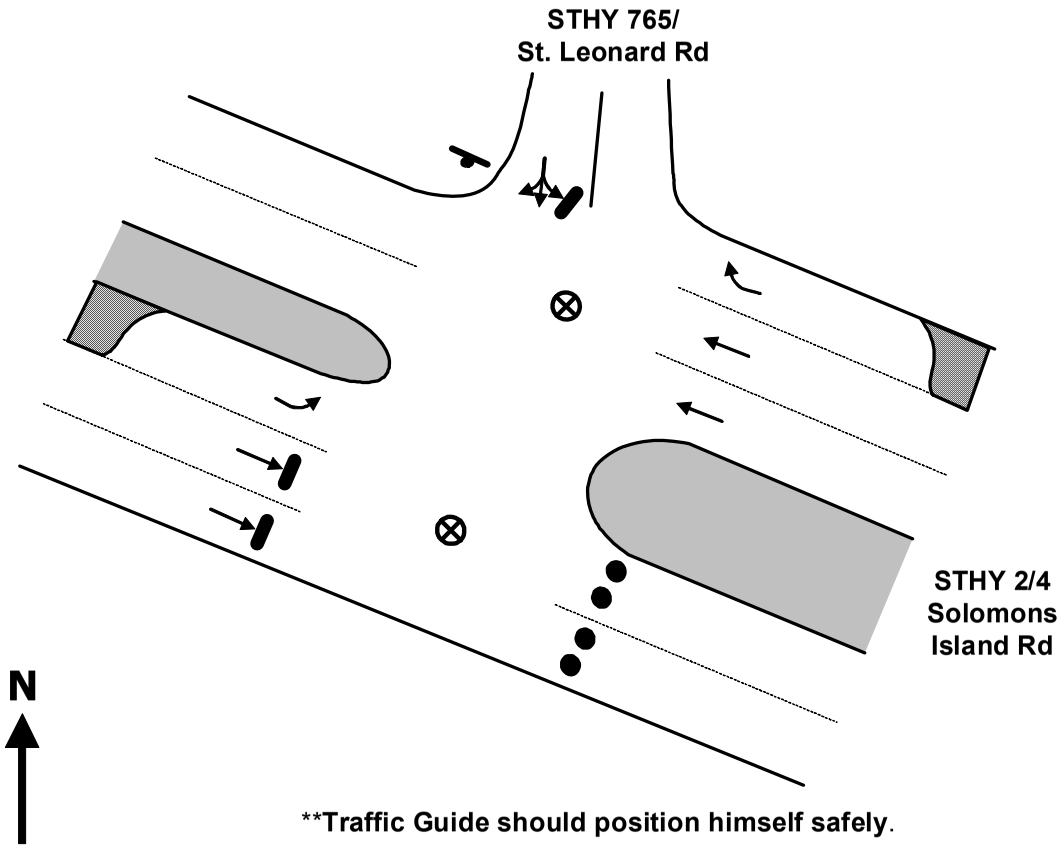
TOWN: ST. LEONARD

LOCATION: State Highway 2/4 & State Highway 765

TCP ID: 1-1

PAZ: 1

COUNTY: Calvert



**Traffic Guide should position himself safely.

Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
  2 PER LANE (LOCAL ROADS AND RAMPS)
  4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): 8 ft

DESCRIPTION

1. Discourage eastbound movement along State Hwy 2/4.

MANPOWER/EQUIPMENT

2 Traffic Guide(s)
6 Traffic Cones

LOCATION PRIORITY

3

TCP

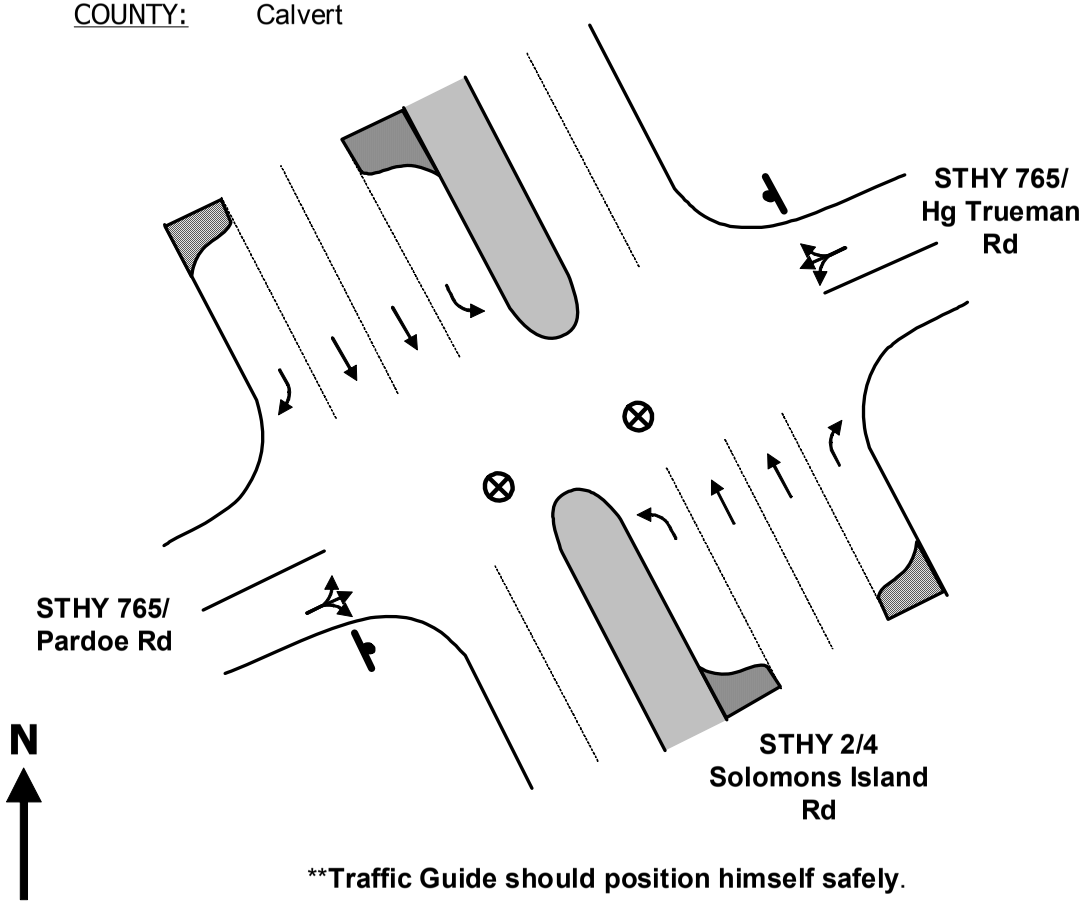
TOWN: LUSBY

LOCATION: State Highway 2/4 & State Highway 765

TCP ID: 1-2

PAZ: 1

COUNTY: Calvert



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Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
  2 PER LANE (LOCAL ROADS AND RAMPS)
  4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): (8 ft)

DESCRIPTION

1. Facilitate flow of traffic on STHY 2/4

MANPOWER/EQUIPMENT

2 Traffic Guide(s)

LOCATION PRIORITY

3

TCP

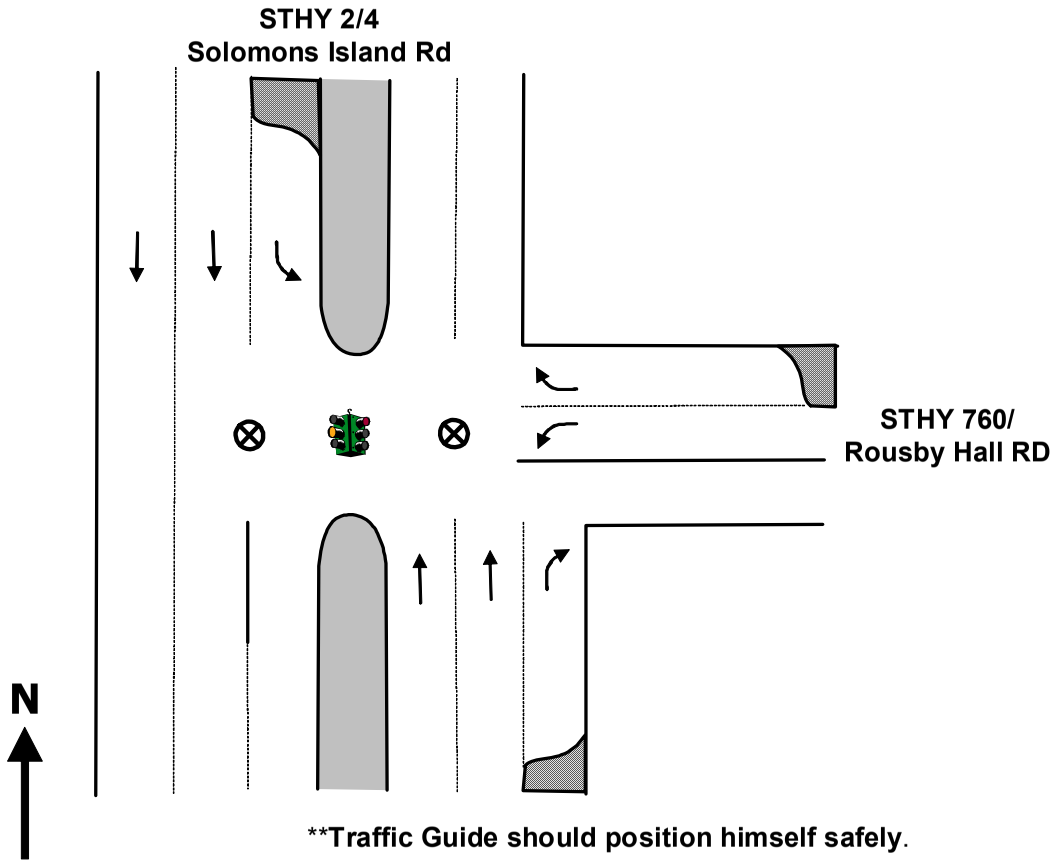
TOWN: LUSBY

LOCATION: State Highway 2/4 & State highway 760

TCP ID: 3-1

PAZ: 3

COUNTY: Calvert



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Key

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- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
  2 PER LANE (LOCAL ROADS AND RAMPS)
  4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): 8 ft

DESCRIPTION

1. **Balance the routing of traffic coming from Rousby Hall to northbound and southbound STHY 2/4. The majority of traffic should be routed southbound; however, if congestion is building southbound, begin routing traffic northbound.**

MANPOWER/EQUIPMENT

2 Traffic Guide(s)

LOCATION PRIORITY

1

TCP

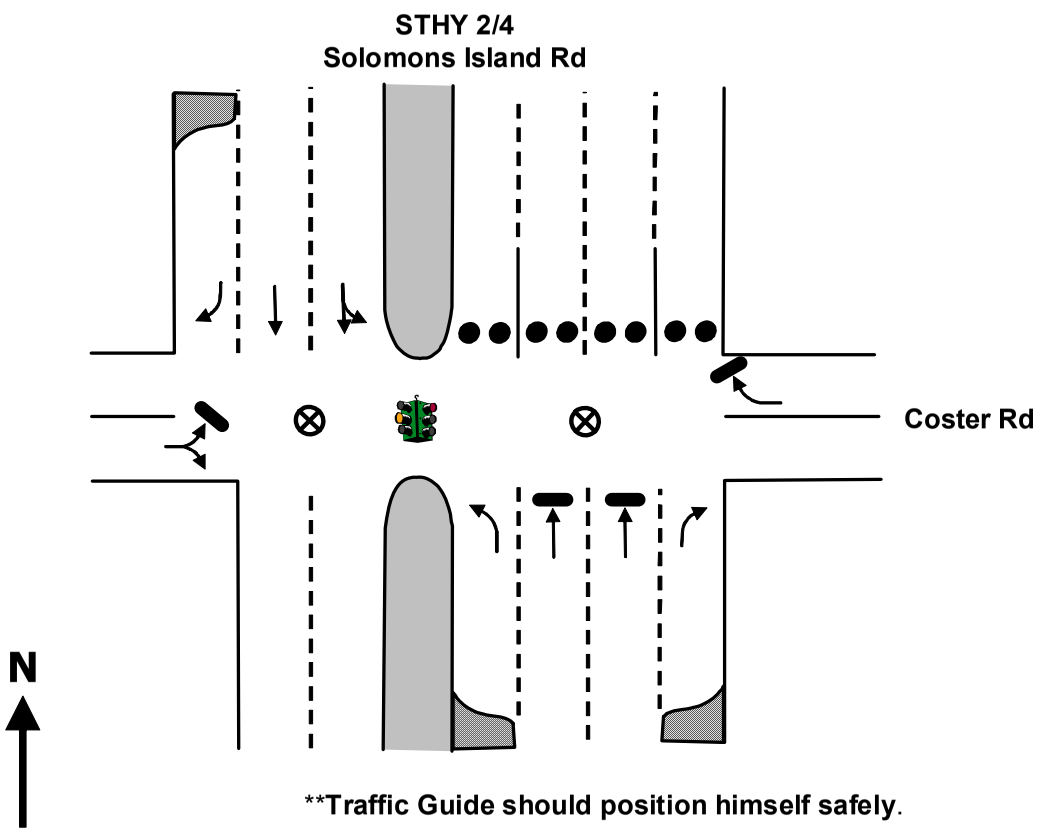
TOWN: LUSBY

LOCATION: State Highway 2/4 & Coster Rd

TCP ID: 3-2

PAZ: 3

COUNTY: Calvert



**Traffic Guide should position himself safely.

Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
- 2 PER LANE (LOCAL ROADS AND RAMPS)
- 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): 8 ft

DESCRIPTION

1. Discourage northbound movement along State Hwy 2/4.

MANPOWER/EQUIPMENT

2 Traffic Guide(s)
12 Traffic Cones

LOCATION PRIORITY

1

TCP

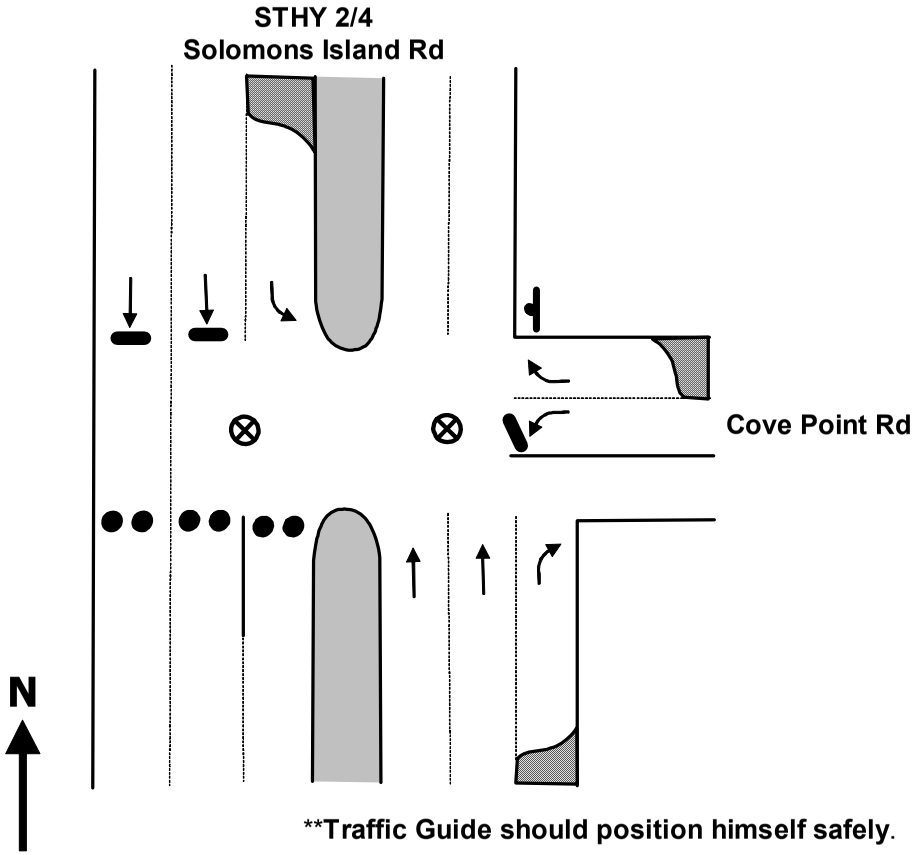
TOWN: LUSBY

LOCATION: State Highway 2/4 & Cove Point Rd

TCP ID: 3-4

PAZ: 3

COUNTY: Calvert



**Traffic Guide should position himself safely.

Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
- 2 PER LANE (LOCAL ROADS AND RAMPS)
- 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): 8 ft

DESCRIPTION

1. Discourage southbound movement along State Hwy 2/4.

MANPOWER/EQUIPMENT

2 Traffic Guide(s)
9 Traffic Cones

LOCATION PRIORITY

1

TCP

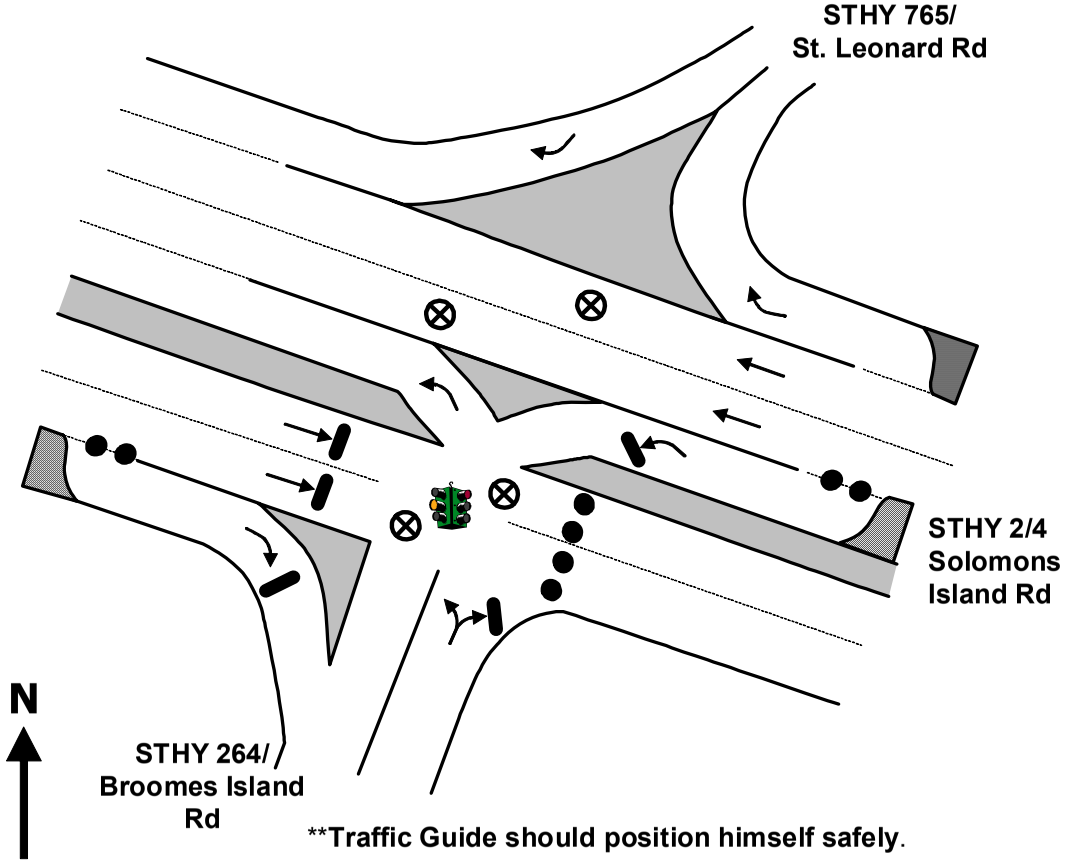
TOWN: PORT REPUBLIC

LOCATION: State Highway 2/4 & State Highway 264

TCP ID: 4-1

PAZ: 4

COUNTY: Calvert



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Key

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- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
  - 2 PER LANE (LOCAL ROADS AND RAMPS)
  - 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): (8 ft)

DESCRIPTION

1. Discourage southbound movement along State Hwy 2/4.
2. Discourage all movement onto STHY 264.

MANPOWER/EQUIPMENT

4 Traffic Guide(s)
12 Traffic Cones

LOCATION PRIORITY

3

TCP

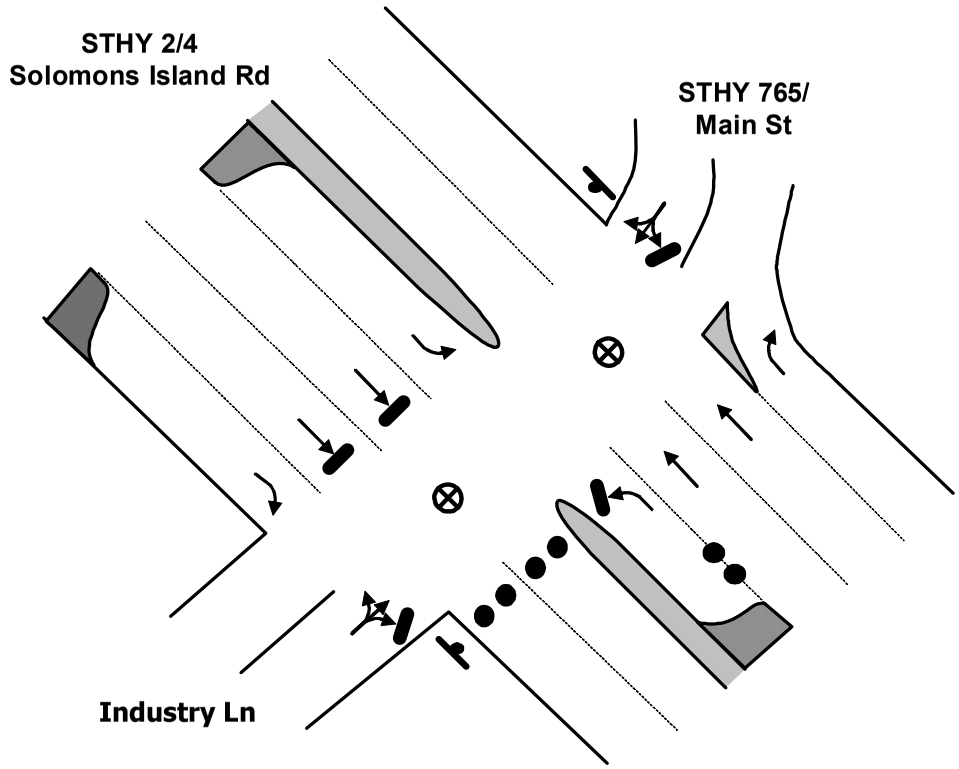
TOWN: PRINCE FREDERICK

LOCATION: State Highway 2/4 & State Highway 765

TCP ID: 5-1

PAZ: 5

COUNTY: Calvert



**Traffic Guide should position himself safely.

Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
  2 PER LANE (LOCAL ROADS AND RAMPS)
  4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): (8 ft)

DESCRIPTION

1. Discourage southbound movement along State Hwy 2/4.

MANPOWER/EQUIPMENT

2 Traffic Guide(s)
9 Traffic Cones

LOCATION PRIORITY

3

TCP

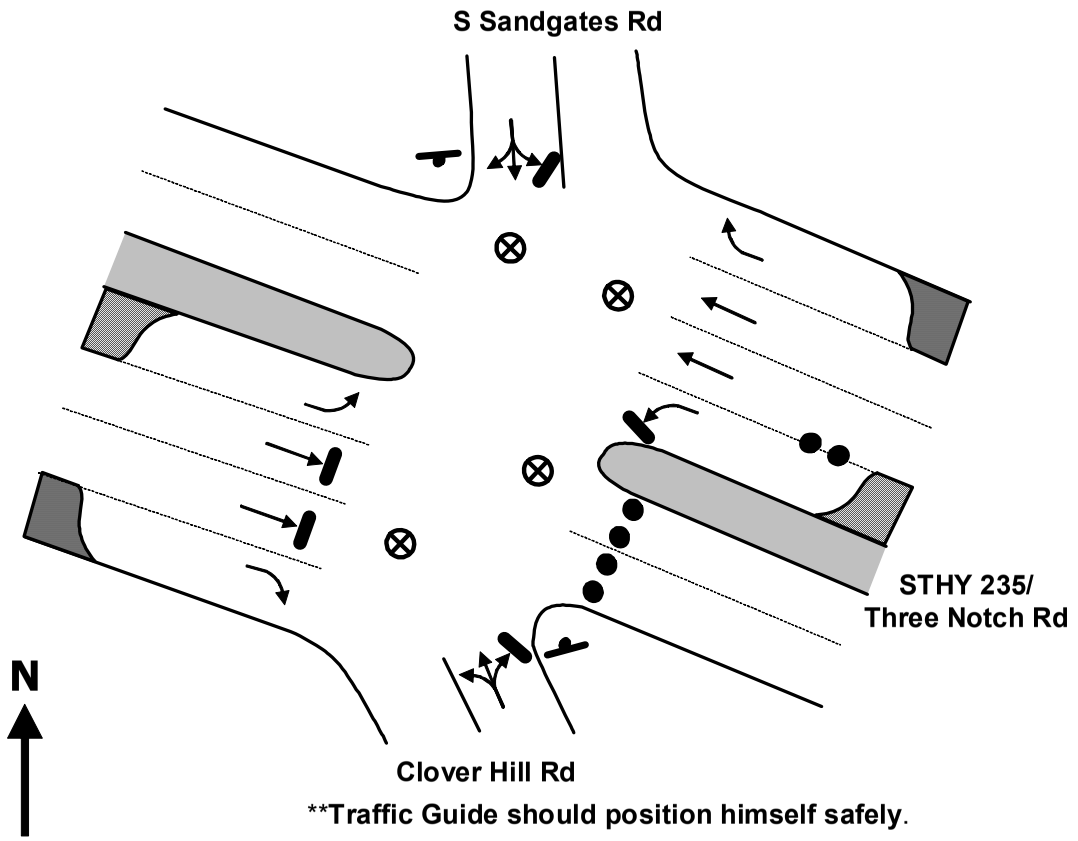
TOWN: MECHANICSVILLE

LOCATION: State Highway 235 & S Sandgates Rd

TCP ID: 6-1

PAZ: 6

COUNTY: St. Mary's



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Key

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- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
  - 2 PER LANE (LOCAL ROADS AND RAMPS)
  - 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): (8 ft)

DESCRIPTION

1. Discourage eastbound movement on State Hwy 235.

MANPOWER/EQUIPMENT

4 Traffic Guide(s)
9 Traffic Cones

LOCATION PRIORITY

3

TCP

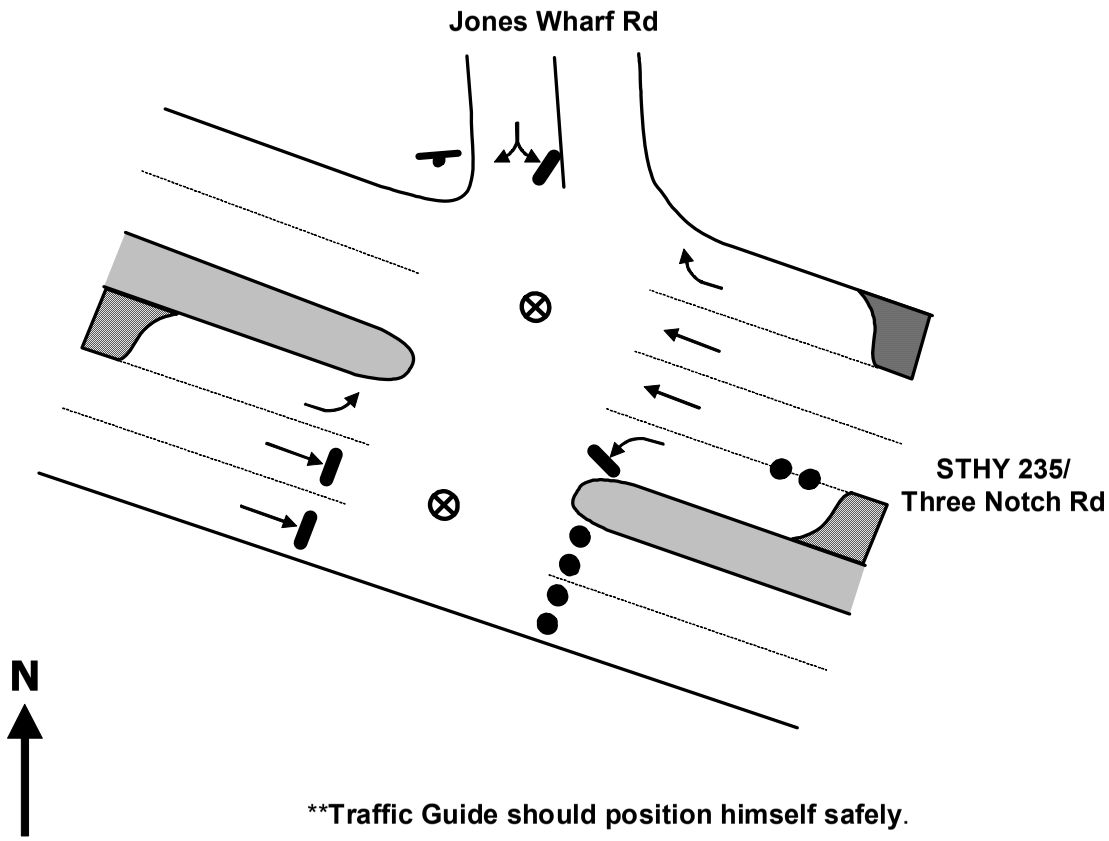
TOWN: HOLLYWOOD

LOCATION: State Highway 235 & Jones Wharf Rd

TCP ID: 6-2

PAZ: 6

COUNTY: St. Mary's



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Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
- 2 PER LANE (LOCAL ROADS AND RAMPS)
- 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): 8 ft

DESCRIPTION

1. Discourage eastbound movement on State Hwy 235.

MANPOWER/EQUIPMENT

2 Traffic Guide(s)
9 Traffic Cones

LOCATION PRIORITY

3

TCP

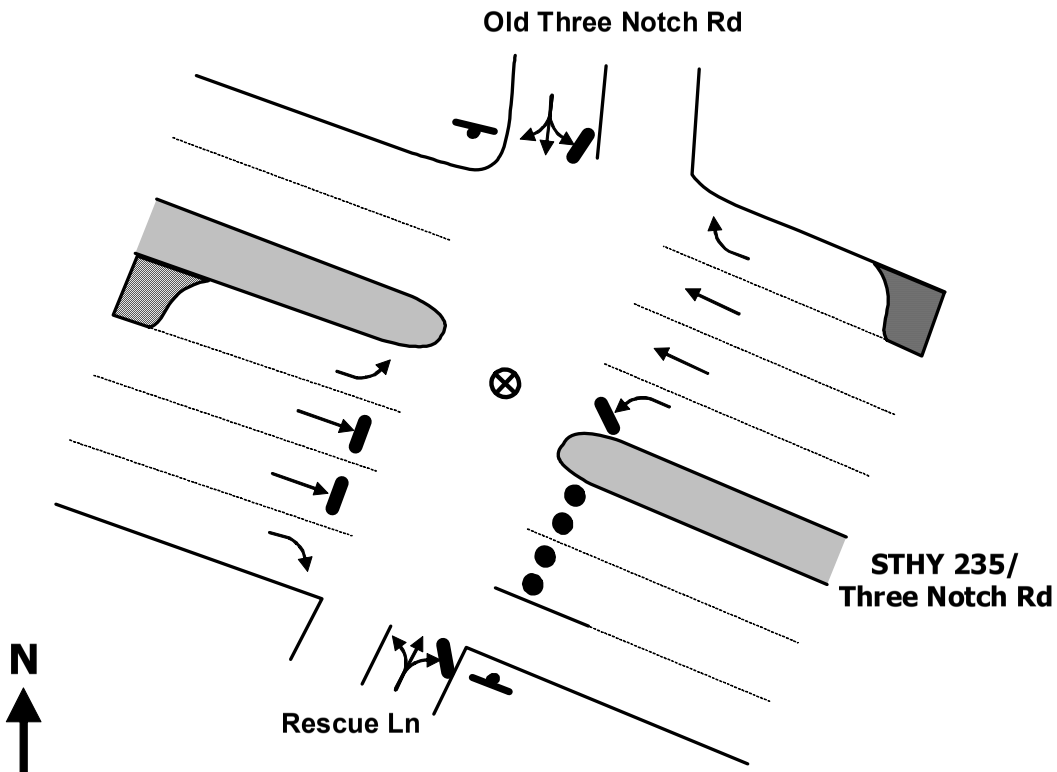
TOWN: HOLLYWOOD

LOCATION: State Highway 235 & Old Three Notch Rd

TCP ID: 6-3

PAZ: 6

COUNTY: St. Mary's



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Key

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- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
  2 PER LANE (LOCAL ROADS AND RAMPS)
  4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): (8 ft)

DESCRIPTION

1. Discourage eastbound movement on State Hwy 235.

MANPOWER/EQUIPMENT

1 Traffic Guide(s)
6 Traffic Cones

LOCATION PRIORITY

3

TCP

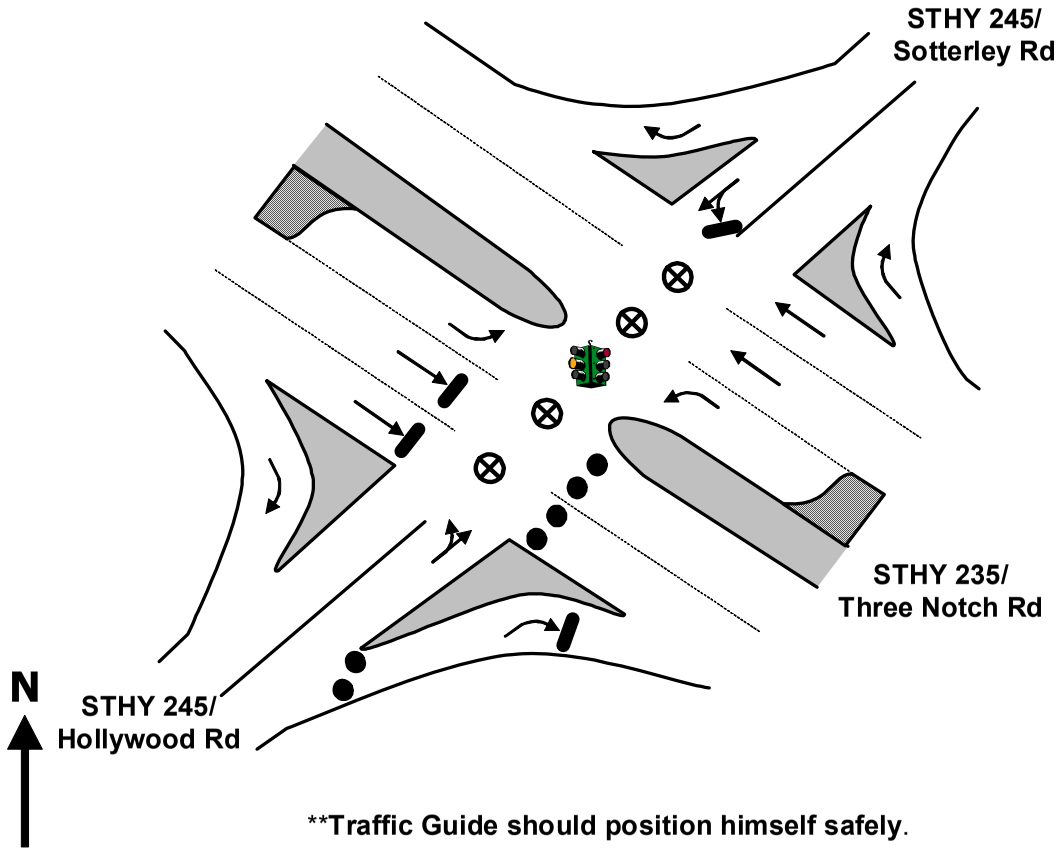
TOWN: HOLLYWOOD

LOCATION: State Highway 235 & State Highway 245

TCP ID: 6-4

PAZ: 6

COUNTY: St. Mary's



**Traffic Guide should position himself safely.

Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
- 2 PER LANE (LOCAL ROADS AND RAMPS)
- 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): 8 ft

DESCRIPTION

1. Discourage eastbound movement State Hwy 2/4.

MANPOWER/EQUIPMENT

4 Traffic Guide(s)
9 Traffic Cones

LOCATION PRIORITY

1

TCP

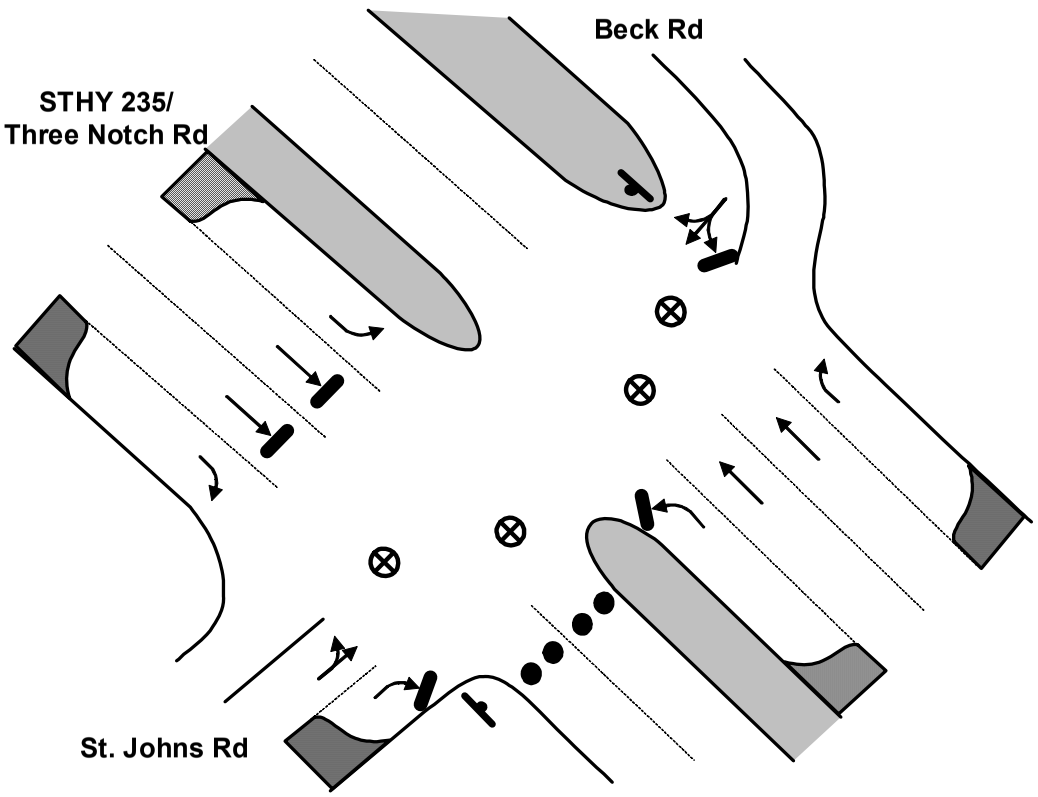
TOWN: HOLLYWOOD

LOCATION: State Highway 235 & St. Johns Rd

TCP ID: 7-1

PAZ: 7

COUNTY: St. Mary's



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Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
  - 2 PER LANE (LOCAL ROADS AND RAMPS)
  - 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): (8 ft)

DESCRIPTION

1. Discourage southbound movement on State Hwy 235.

MANPOWER/EQUIPMENT

4 Traffic Guide(s)
6 Traffic Cones

LOCATION PRIORITY

3

TCP

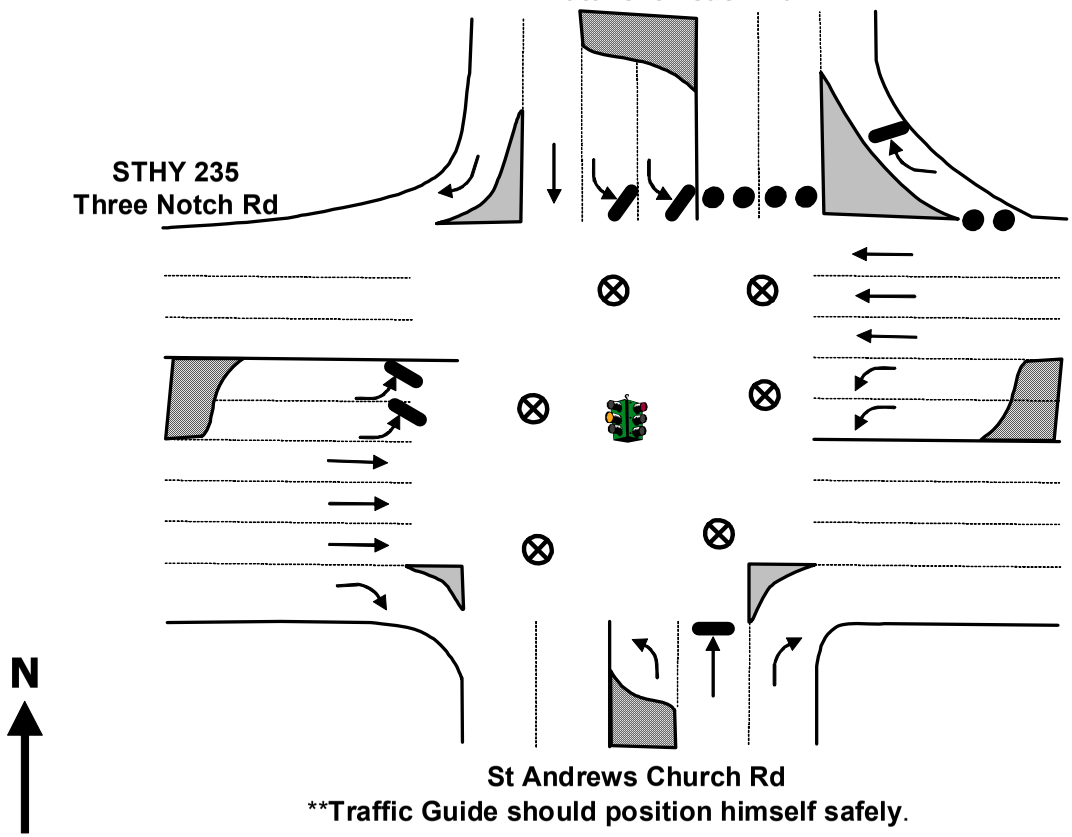
TOWN: CALIFORNIA

LOCATION: State Highway 235 & State Highway 4

TCP ID: 7-2

PAZ: 7

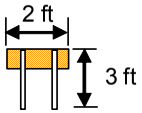
COUNTY: St. Mary's



**Traffic Guide should position himself safely.

Key

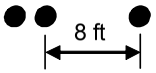
- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE



2 PER LANE (LOCAL ROADS AND RAMPS)

4 PER LANE (FREEWAY AND RAMPS)

- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE):



DESCRIPTION

1. Discourage northbound movement along State Hwy 4.

MANPOWER/EQUIPMENT

6 Traffic Guide(s)
9 Traffic Cones

LOCATION PRIORITY

1

TCP

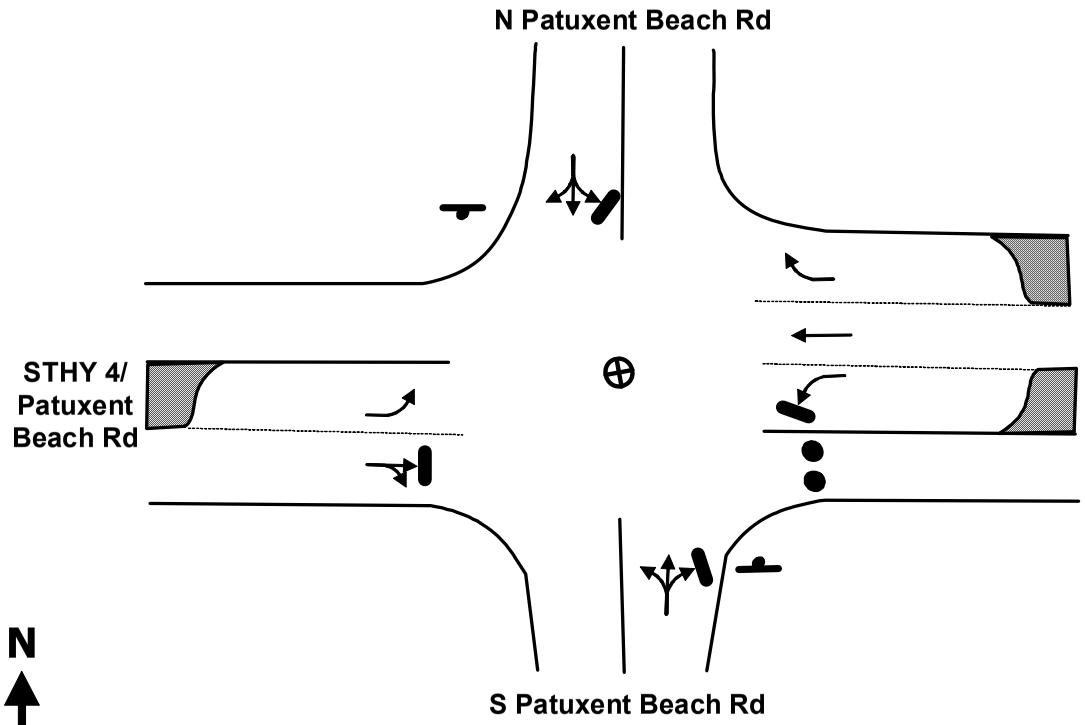
TOWN: CALIFORNIA

LOCATION: State Highway 4 & Patuxent Beach Rd

TCP ID: 7-5

PAZ: 7

COUNTY: St. Mary's



**Traffic Guide should position himself safely.

Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
- 2 PER LANE (LOCAL ROADS AND RAMPS)
- 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): 8 ft

DESCRIPTION

1. Discourage eastbound movement along State Hwy 4.

MANPOWER/EQUIPMENT

1 Traffic Guide(s)
3 Traffic Cones

LOCATION PRIORITY

3

TCP

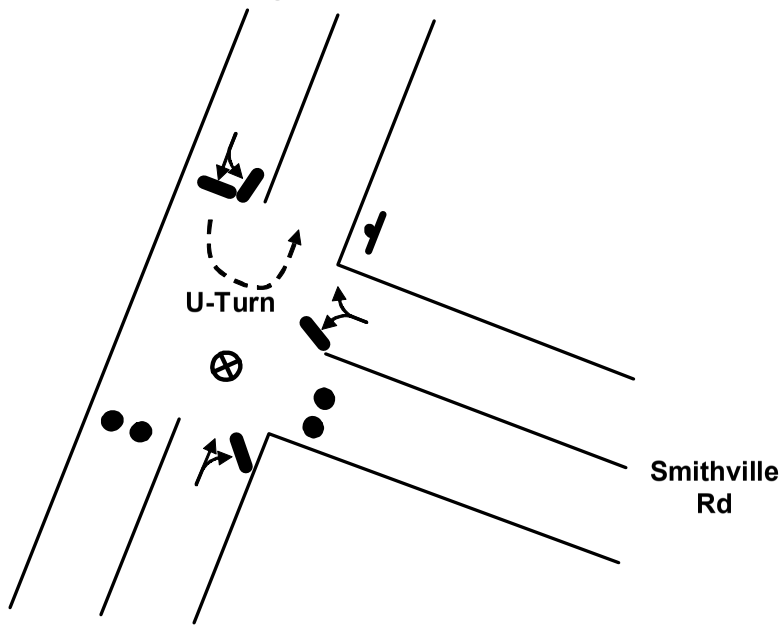
TOWN: CHURCH CREEK

LOCATION: State Highway 16 & Smithville Rd

TCP ID: 8-1

PAZ: 8

COUNTY: Dorchester



**Traffic Guide should position himself safely.

Key

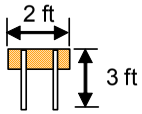
MOVEMENT FACILITATED

MOVEMENT DISCOURAGED/DIVERTED

TRAFFIC GUIDE

STOP SIGN

TRAFFIC BARRICADE

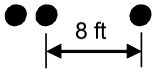


2 PER LANE (LOCAL ROADS AND RAMPS)

4 PER LANE (FREEWAY AND RAMPS)

TRAFFIC SIGNAL

TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE):



DESCRIPTION

1. Discourage southbound movement along State Hwy 16.

MANPOWER/EQUIPMENT

1 Traffic Guide(s)
6 Traffic Cones

LOCATION PRIORITY

3

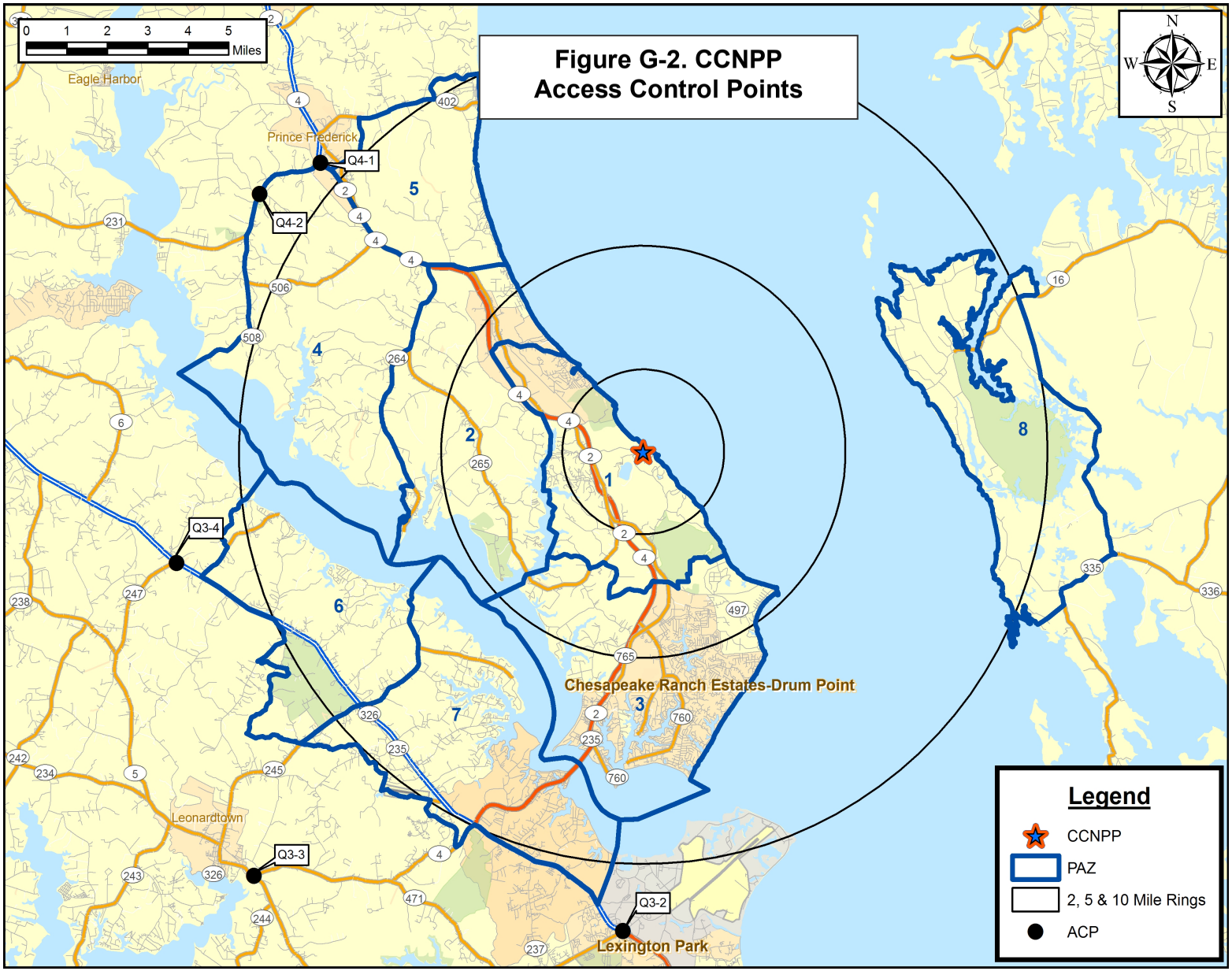


Figure G-2. CCNPP
Access Control Points
0 1 2 3 4 5
Miles
N
W
E
S
Eagle Harbor
Prince Frederick
Q4-1
Q4-2
Q3-4
Q3-3
Q3-2
Leonardtown
Chesapeake Ranch Estates-Drum Point
Lexington Park
1
2
3
4
5
6
7
8
Legend
CCNPP
PAZ
2, 5 & 10 Mile Rings
ACP

Table G-2. Access Control Points					
Priority	**ID#**	**Town**	**Intersection Location**	**# of Guides**	**# of Barricades**
CALVERT COUNTY					
1	Q4-1	Prince Frederick	State Highway 2/4 & State Highway 231	2	12
1	Q4-2	Prince Frederick	State Highway 231 & German Chapel Rd	1	2
			Total Manpower & Equipment for Calvert County	**3**	**14**
ST. MARY'S COUNTY					
1	Q3-2	Lexington Park	State Highway 235 & State Highway 246	6	8
1	Q3-3	Leonardtown	State Highway 5 & State Highway 4	1	4
1	Q3-4	Mechanicsville	State Highway 235 & State Highway 247	4	6
			Total Manpower & Equipment for St. Mary's County	**11**	**18**

ACP

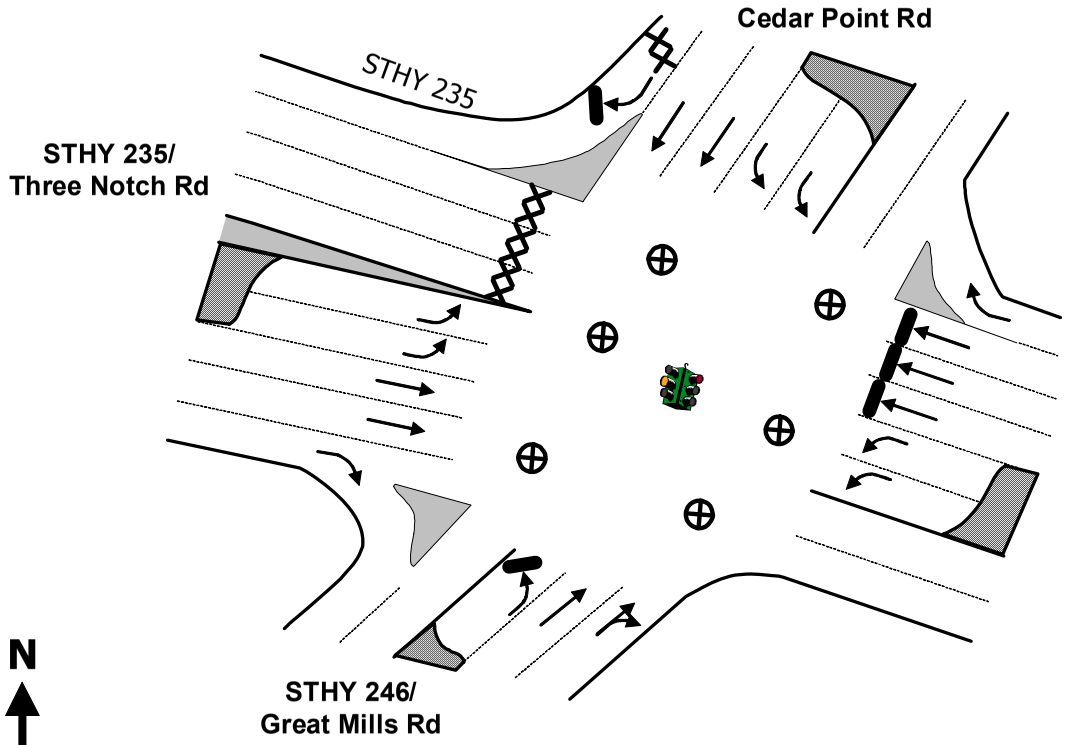
TOWN: LEXINGTON PARK

LOCATION: State Highway 235 & State Highway 246

ACP ID: Q3-2

PAZ: Shadow

COUNTY: St. Mary's



**Traffic Guide should position himself safely.

Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
- 2 PER LANE (LOCAL ROADS AND RAMPS)
- 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): 8 ft

DESCRIPTION

1. Interdict and divert westbound movement on State Hwy 235.

MANPOWER/EQUIPMENT

6 Traffic Guide(s)
8 Traffic Barricades

LOCATION PRIORITY

1

ACP

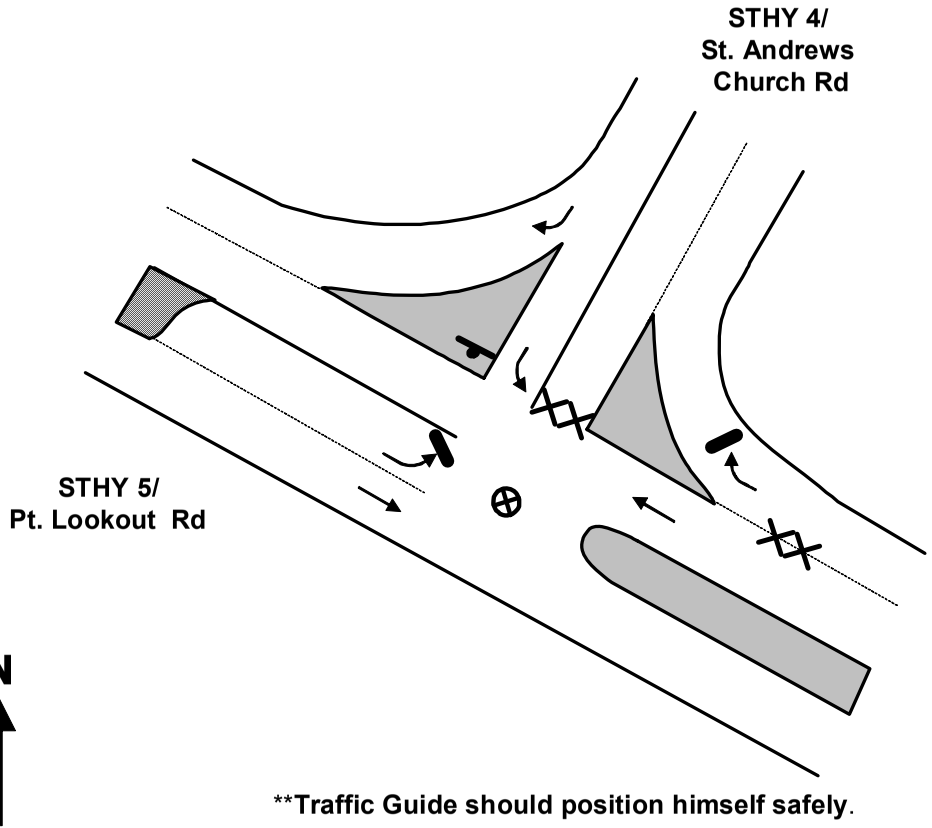
TOWN: LEONARDTOWN

LOCATION: State Highway 5 & State Highway 4

ACP ID: Q3-3

PAZ: Shadow

COUNTY: St. Mary's



**Traffic Guide should position himself safely.

Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
  - 2 PER LANE (LOCAL ROADS AND RAMPS)
  - 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): (8 ft)

DESCRIPTION

1. Interdict and divert northbound movement along State Hwy 4.

MANPOWER/EQUIPMENT

1 Traffic Guide(s)
4 Traffic Barricades

LOCATION PRIORITY

1

ACP

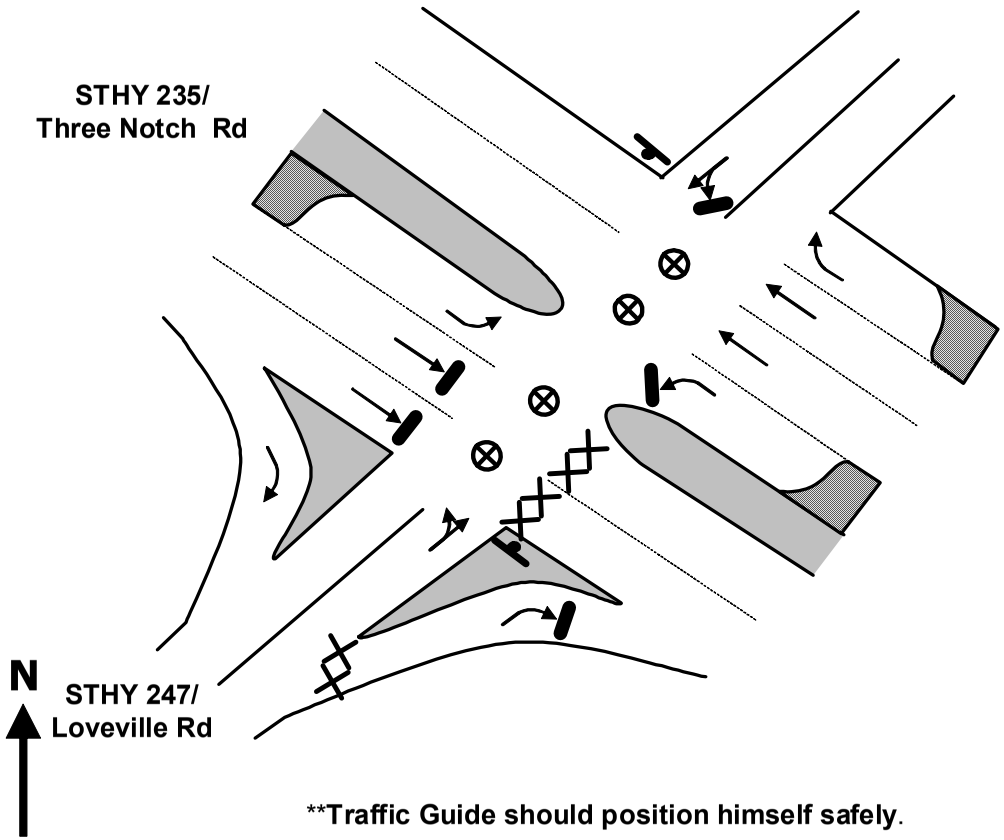
TOWN: MECHANICSVILLE

LOCATION: State Highway 235 & State Highway 247

ACP ID: Q3-4

PAZ: Shadow

COUNTY: St. Mary's



**Traffic Guide should position himself safely.

Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
- 2 PER LANE (LOCAL ROADS AND RAMPS)
- 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): 8 ft

DESCRIPTION

1. Interdict and divert southbound movement on State Hwy 235.

MANPOWER/EQUIPMENT

4 Traffic Guide(s)
6 Traffic Barricades

LOCATION PRIORITY

1

ACP

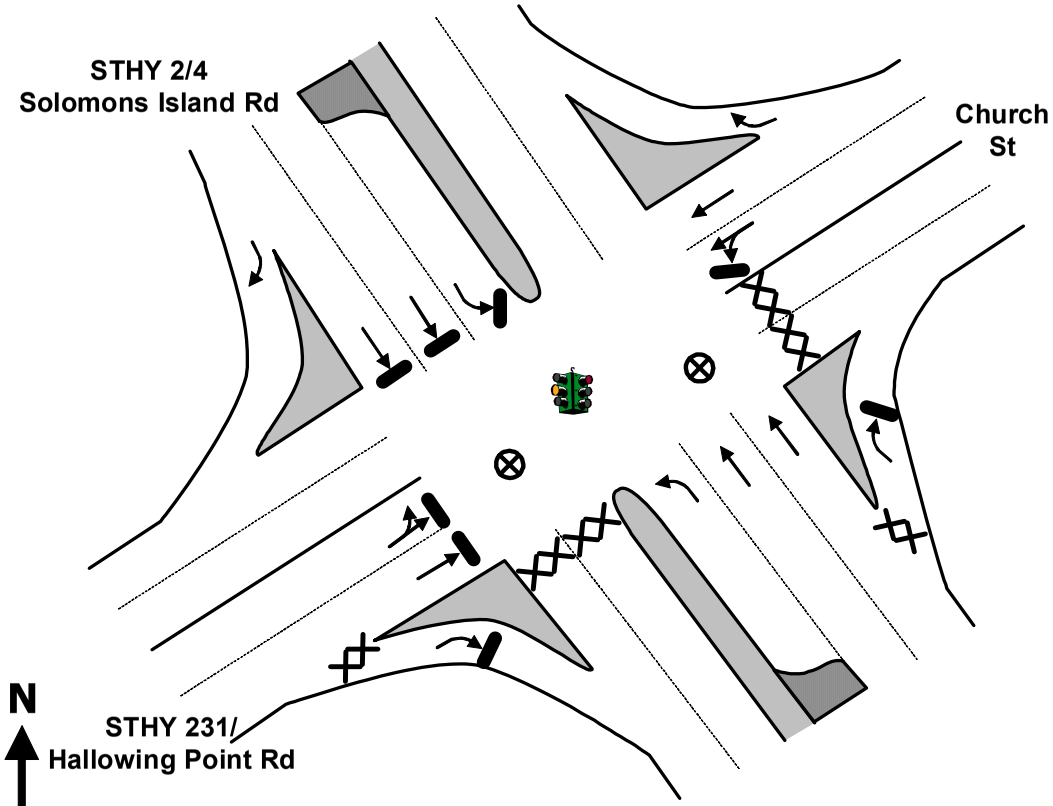
TOWN: PRINCE FREDERICK

LOCATION: State Highway 2/4 & State Highway 231

ACP ID: Q4-1

PAZ: Shadow

COUNTY: Calvert



**Traffic Guide should position himself safely.

Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
- 2 PER LANE (LOCAL ROADS AND RAMPS)
- 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): 8 ft

DESCRIPTION

1. Interdict and divert southbound movement on State Hwy 2/4.
2. Interdict and direct eastbound movement on Church St.

MANPOWER/EQUIPMENT

2 Traffic Guide(s)
12 Traffic Cones

LOCATION PRIORITY

1

ACP

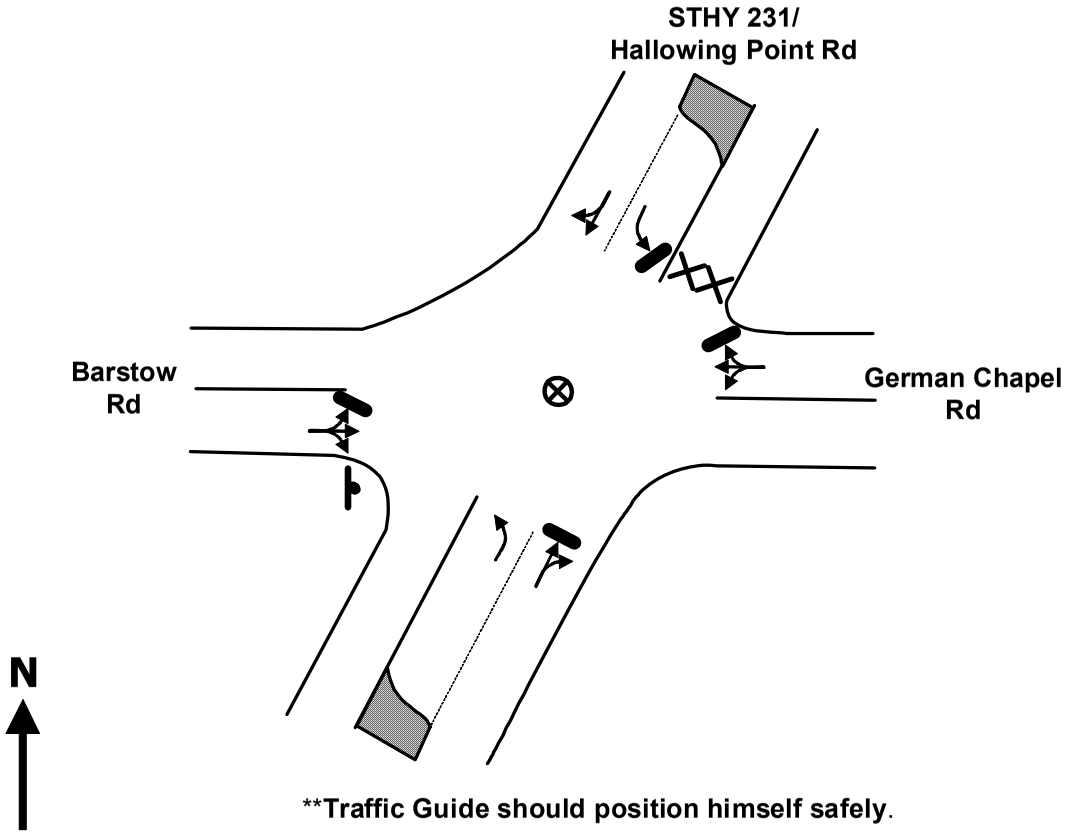
TOWN: PRINCE FREDERICK

LOCATION: State Highway 231 & German Chapel Rd

ACP ID: Q4-2

PAZ: Shadow

COUNTY: Calvert



**Traffic Guide should position himself safely.

Key

- MOVEMENT FACILITATED
- MOVEMENT DISCOURAGED/DIVERTED
- TRAFFIC GUIDE
- STOP SIGN
- TRAFFIC BARRICADE (2 ft, 3 ft)
- 2 PER LANE (LOCAL ROADS AND RAMPS)
- 4 PER LANE (FREEWAY AND RAMPS)
- TRAFFIC SIGNAL
- TRAFFIC CONES SPACED TO DISCOURAGE TRAFFIC BUT ALLOW PASSAGE (3 PER LANE): 8 ft

DESCRIPTION

1. Interdict and divert northbound movement on State Hwy 231.

MANPOWER/EQUIPMENT

1 Traffic Guide(s)
2 Traffic Barricades

LOCATION PRIORITY

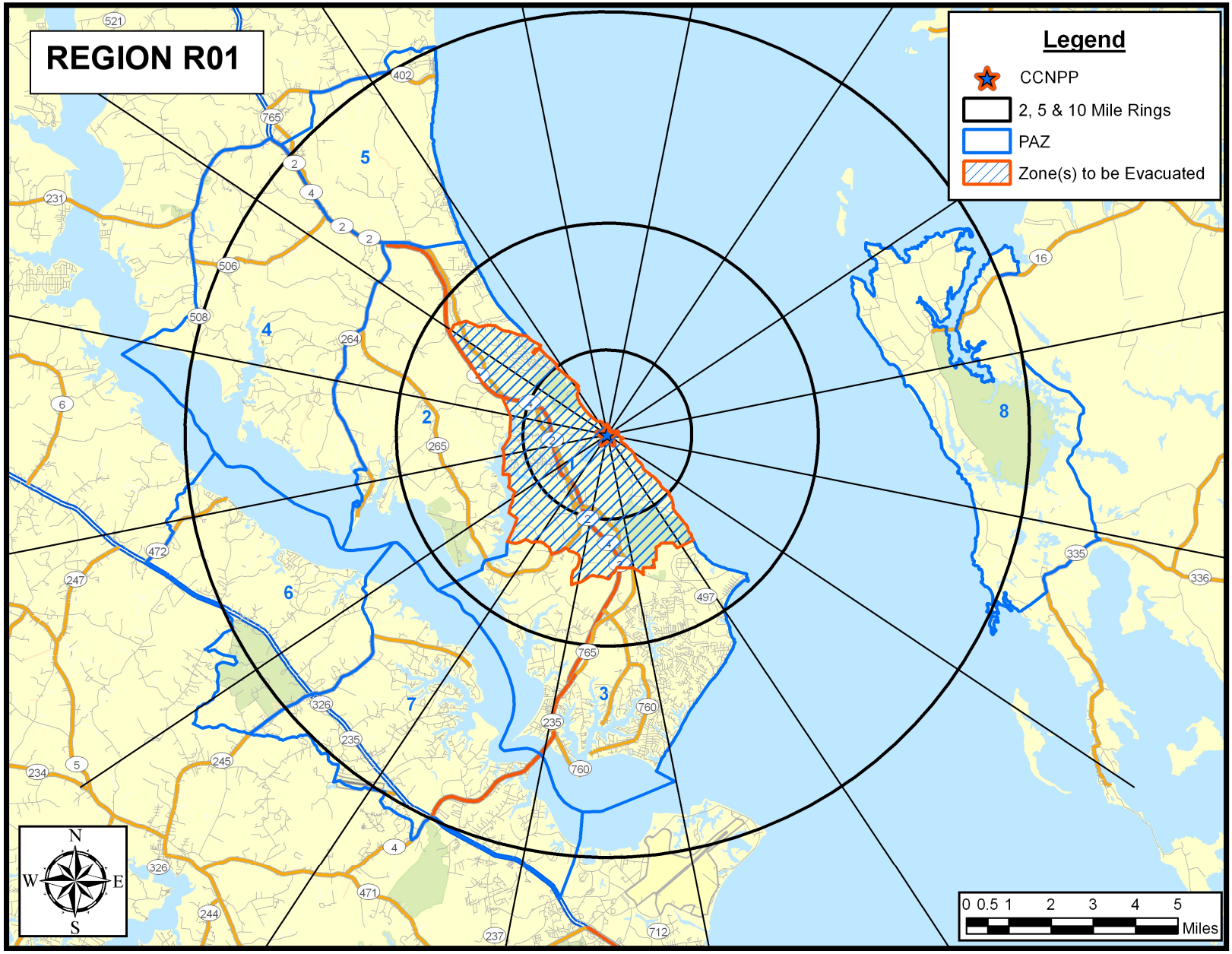
1

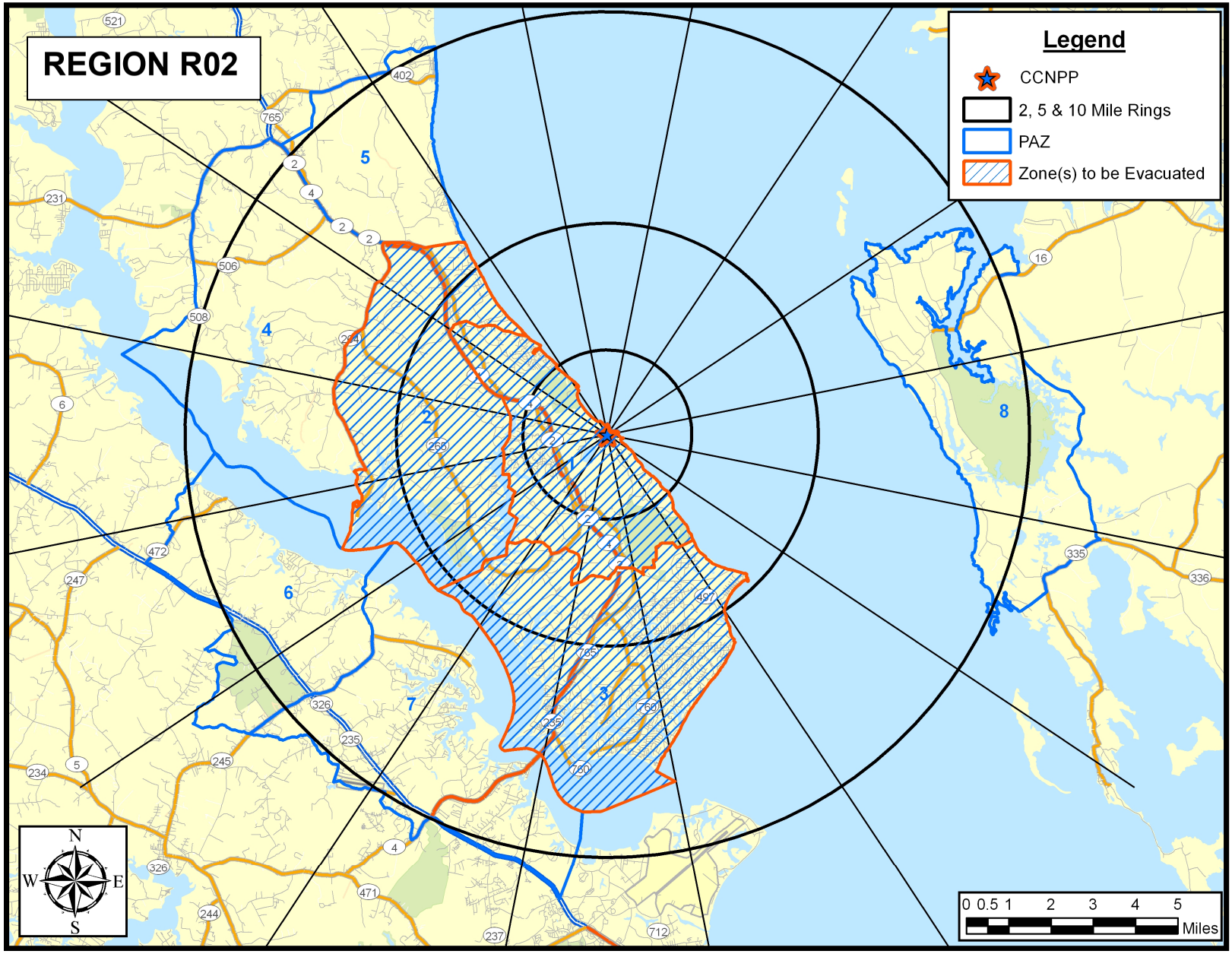
APPENDIX H

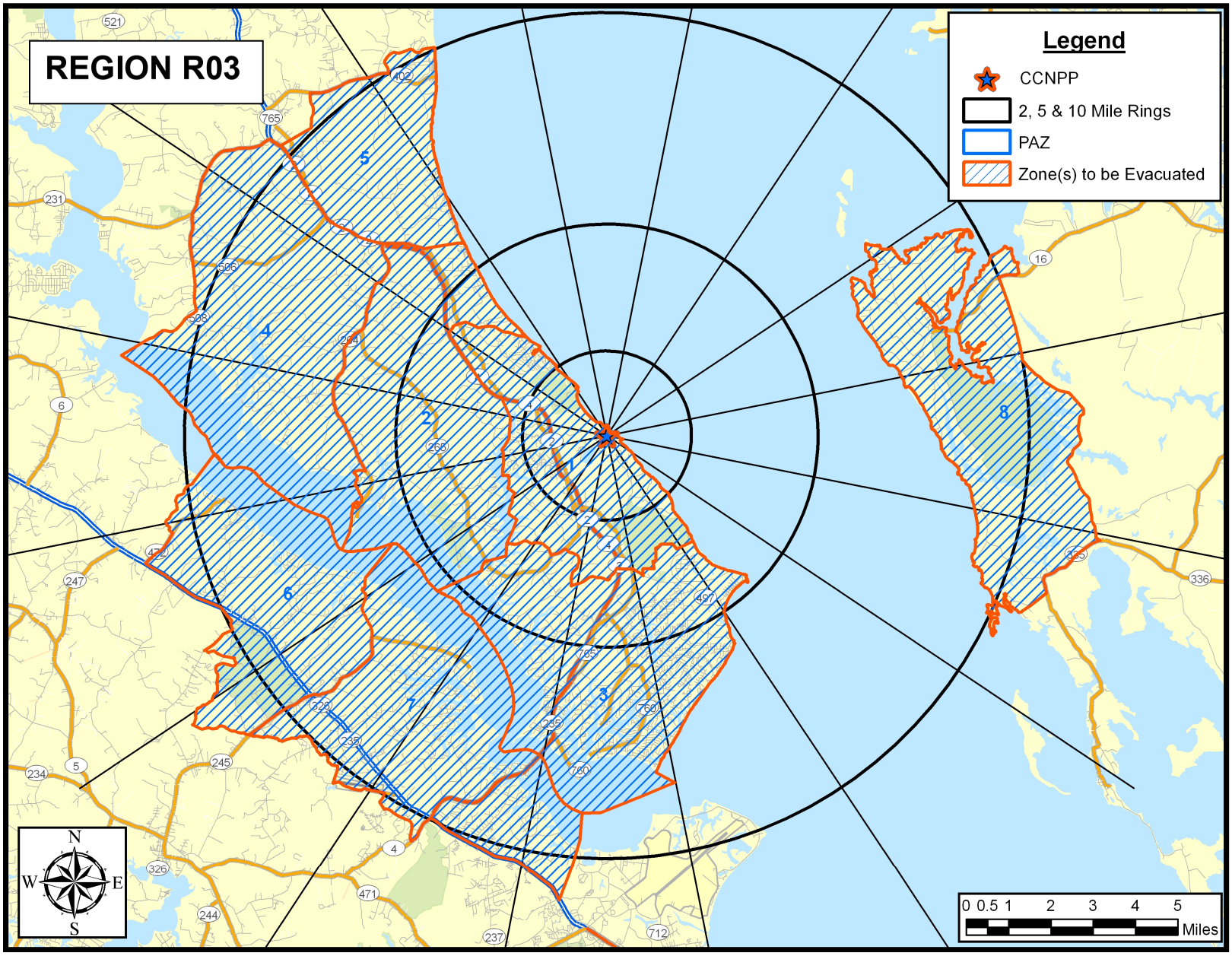
Evacuation Region Maps

APPENDIX H: EVACUATION REGION MAPS

This appendix presents maps of all Evacuation Regions.


REGION R01
Legend
CCNPP
2, 5 & 10 Mile Rings
PAZ
Zone(s) to be Evacuated
N
S
E
W
0 0.5 1 2 3 4 5
Miles


REGION R02
Legend
CCNPP
2, 5 & 10 Mile Rings
PAZ
Zone(s) to be Evacuated
N
S
E
W
0 0.5 1 2 3 4 5
Miles


REGION R03
Legend
CCNPP
2, 5 & 10 Mile Rings
PAZ
Zone(s) to be Evacuated
1
2
3
4
5
6
7
8
N
S
E
W
0 0.5 1 2 3 4 5
Miles