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| **BLOCKAGE\_MASK** |
| **Traversing Segment Toward From-Node** | **Traversing Segment Toward To-Node** |
| **Obstacle** | **Value** | **Obstacle** | **Value** |
| **Wrong Way (One Way)** | 1 | **Wrong Way (One Way)** | 256 |

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| **TURN\_MASK** |
| **Traversing Segment Toward From-Node** | **Traversing Segment Toward To-Node** |
| **Obstacle** | **Value** | **Obstacle** | **Value** |
| **No Straight Ahead** | 256 | **No Straight Ahead** | 1 |
| **No Bear Right** | 512 | **No Bear Right** | 2 |
| **No Right Turn** | 1024 | **No Right Turn** | 4 |
| **No Hard Right** | 2048 | **No Hard Right** | 8 |
| **No U-Turn** | 4096 | **No U-Turn** | 16 |
| **No Hard Left** | 8192 | **No Hard Left** | 32 |
| **No Left Turn** | 16384 | **No Left Turn** | 64 |
| **No Bear Left** | 32768 | **No Bear Left** | 128 |

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| **OBSTACLE\_MASK** |
| **Traversing Segment Toward From-Node** | **Traversing Segment Toward To-Node** |
| **Obstacle** | **Value** | **Obstacle** | **Value** |
| **Stop Sign** | 256 | **Stop Sign** | 1 |
| **Caution Light** | 512 | **Caution Light** | 2 |
| **Red Light** | 1024 | **Red Light** | 4 |
| **Flashing Red** | 2048 | **Flashing Red** | 8 |
| **No Right On Red** | 4096 | **No Right On Red** | 16 |

**Turn Masks Explanation**

The following explains the definition of the turn masks described in *Figure 3*:

*No bear left (a left turn at an angle of 45 degrees +/- 22.5 degrees from the direction of travel).*

*No left turn (a left turn at an angle of 90 degrees +/- 22.5 degrees from the direction of travel).*

*No hard left (a left turn at an angle of 135 degrees +/- 22.5 degrees from the direction of travel.)*

*No U turn (a turn of 180 degrees +/- 22.5 degrees from the direction of travel).*

*No bear right (a right turn at an angle of 45 degrees +/- 22.5 degrees from the direction of travel).*

*No right turn (a right turn at an angle of 90 degrees +/- 22.5 degrees from the direction of travel).*

No hard right (a right turn at an angle of 135 degrees +/- 22.5 degrees from the direction of travel.)