

## Index D102-690 Temporary Traffic Control for Roundabouts

### Design Criteria

*FDOT Design Manual (FDM), Manual on Uniform Traffic Control Devices (MUTCD), and Standard Plans 102-600.*

### Design Assumptions and Limitations

This *Developmental Standard Plans Instructions* covers *Standard Plans, Index D102-690 (Temporary Traffic Control for Roundabouts)*.

The rudimentary TTC layouts shown in this index may not be adequate for all work operations within or adjacent to a roundabout.

Many roundabouts, particularly multilane roundabouts, have unique surrounding site constraints and design elements that will require site specific TTC plans to address lane closures. It is likely that closures of the outside lanes of a multilane roundabout will require site specific detours and road closures.

See the following *Standard Plans Instructions* for additional TTC information:

- *Index 102-600 (102 Series) - Temporary Traffic Control*
- *Indexes 102-660 and 102-661 - Sidewalk and Bicycle Lane Closures*

Accommodations for the turning radius of wider heavy commercial vehicles should be considered. Since geometrics of the roundabout will temporarily be altered, consider establishing a truck detour for the duration of the project if accommodations cannot be made.

Install temporary pavement markings for work operations that are anticipated to be in place for more than three days.

See *Figure 1* through *Figure 4* below for flagging operation traffic flow paths through the roundabout.

Temporary traffic signals may be used as an alternative to flaggers for site specific long-term closure of a roundabout with the use of appropriate signal timing and phasing plans.

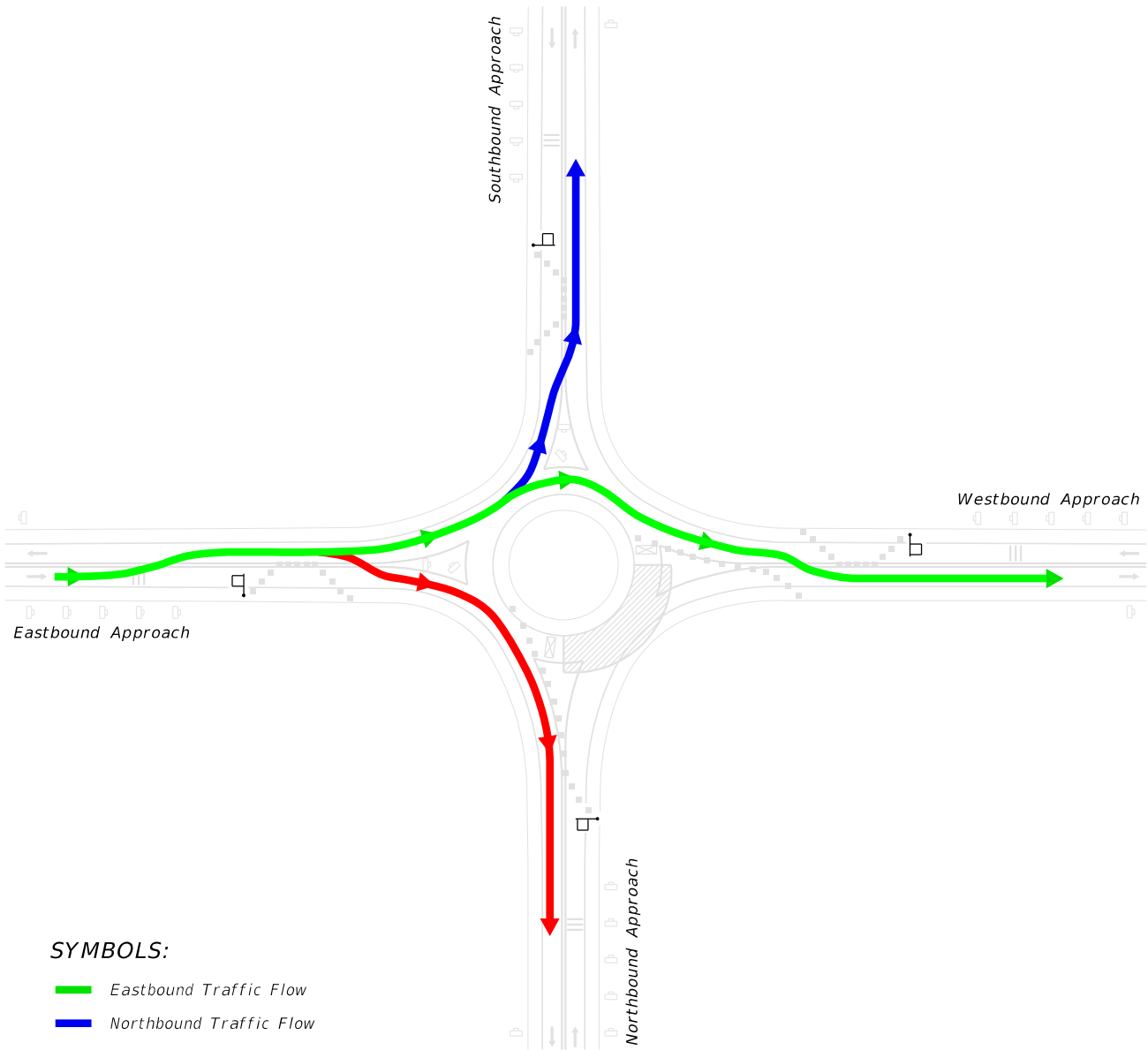
### Plan Content Requirements

Follow the *Developmental Standard Plans Usage Process* as outlined in *FDM 115* and insert *Index D102-690* in the Plans as described in *FDM 302*.

See *FDM 321* for additional requirements.

### Payment

See the *BOE* and *Specifications 102* for information on payment, pay item use, and compensation.

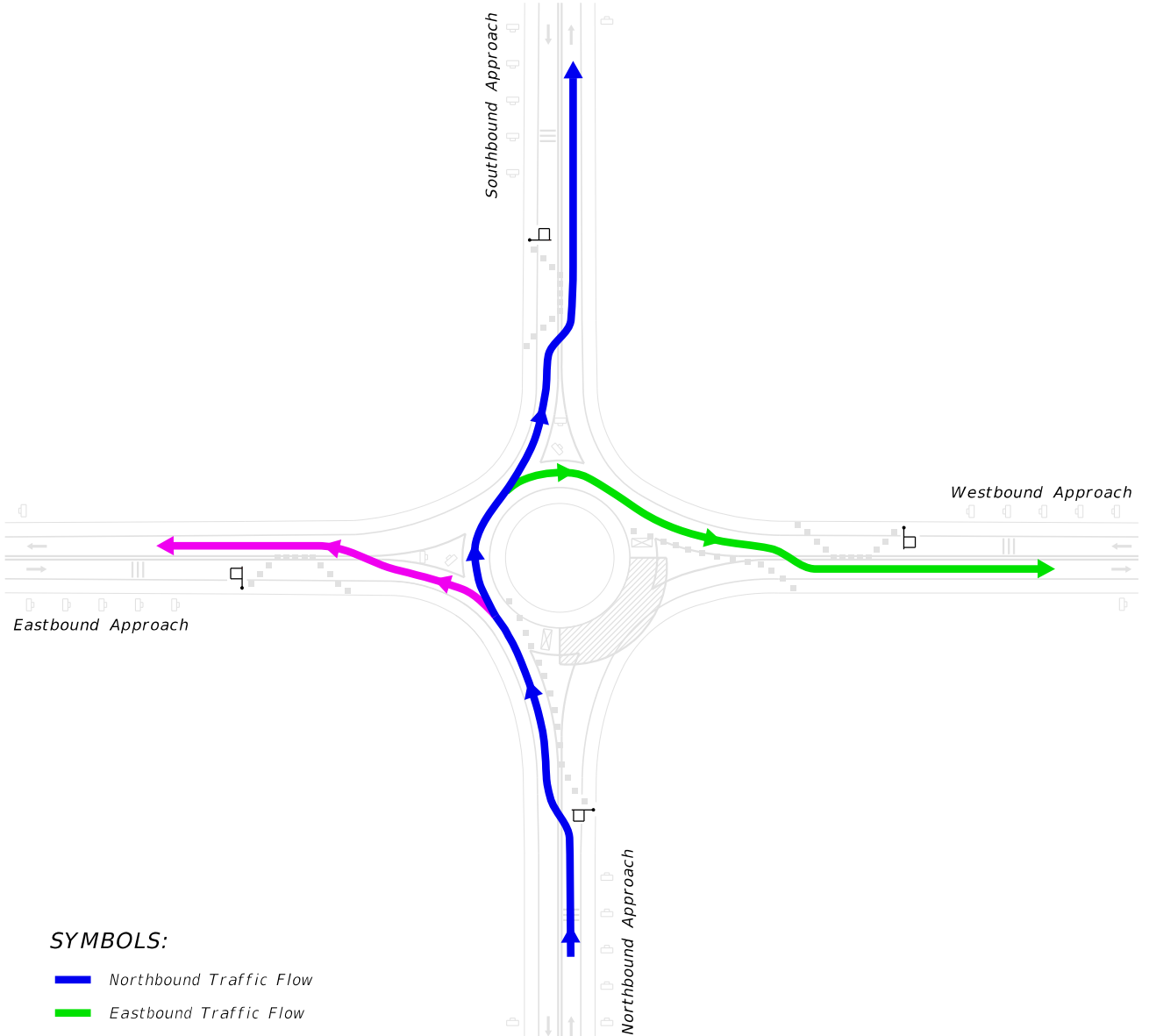


**SYMBOLS:**

- █ Eastbound Traffic Flow
- █ Northbound Traffic Flow
- █ Southbound Traffic Flow
- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Type III Barricade
- Flagger
- Lane Identification and Direction of Traffic

TRAFFIC FROM EASTBOUND APPROACH

**FIGURE 1**

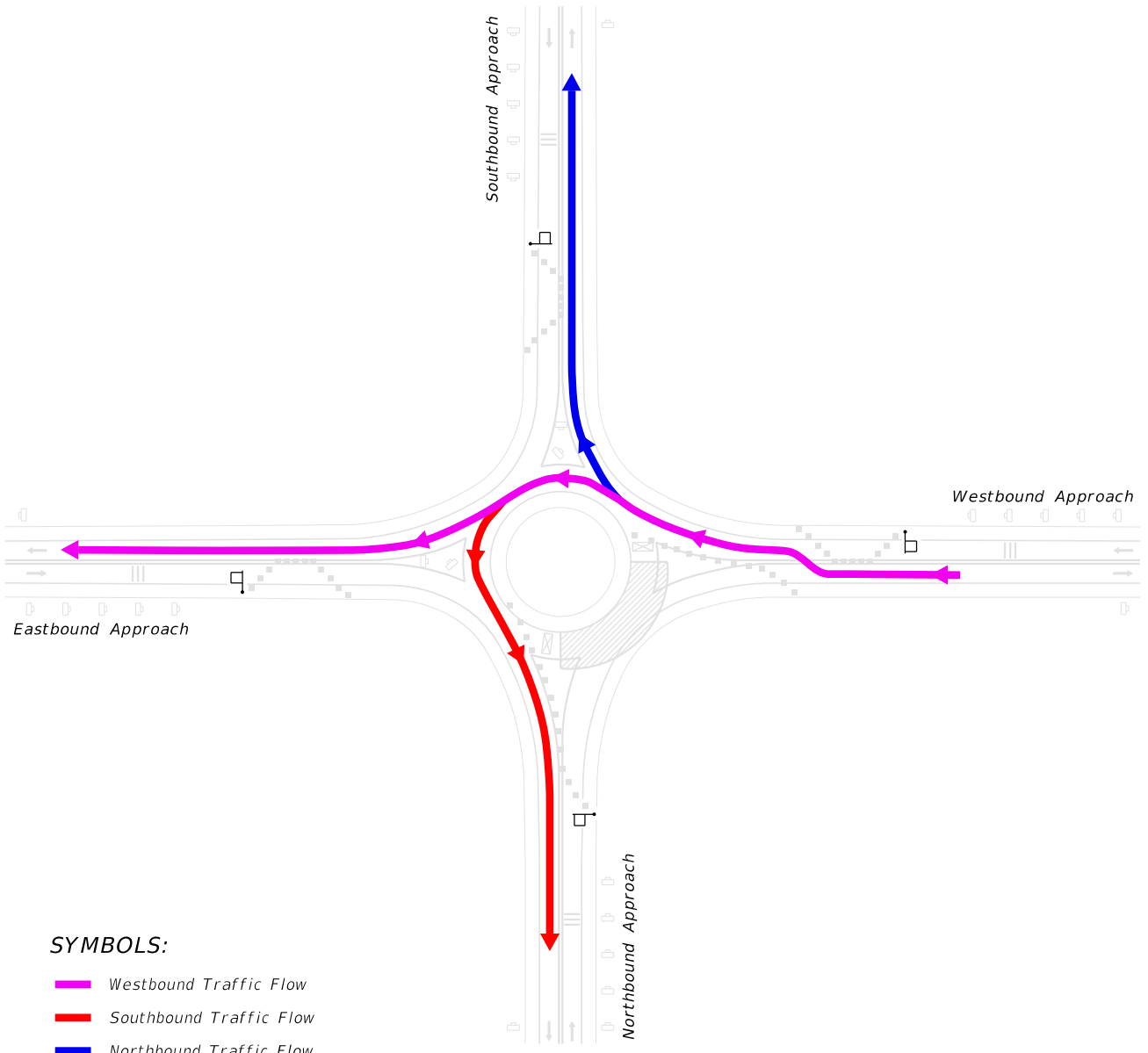


**SYMBOLS:**

- █ Northbound Traffic Flow
- █ Eastbound Traffic Flow
- █ Westbound Traffic Flow
- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Type III Barricade
- Flagger
- ➔ Lane Identification and Direction of Traffic

TRAFFIC FROM NORTHBOUND APPROACH

FIGURE 2

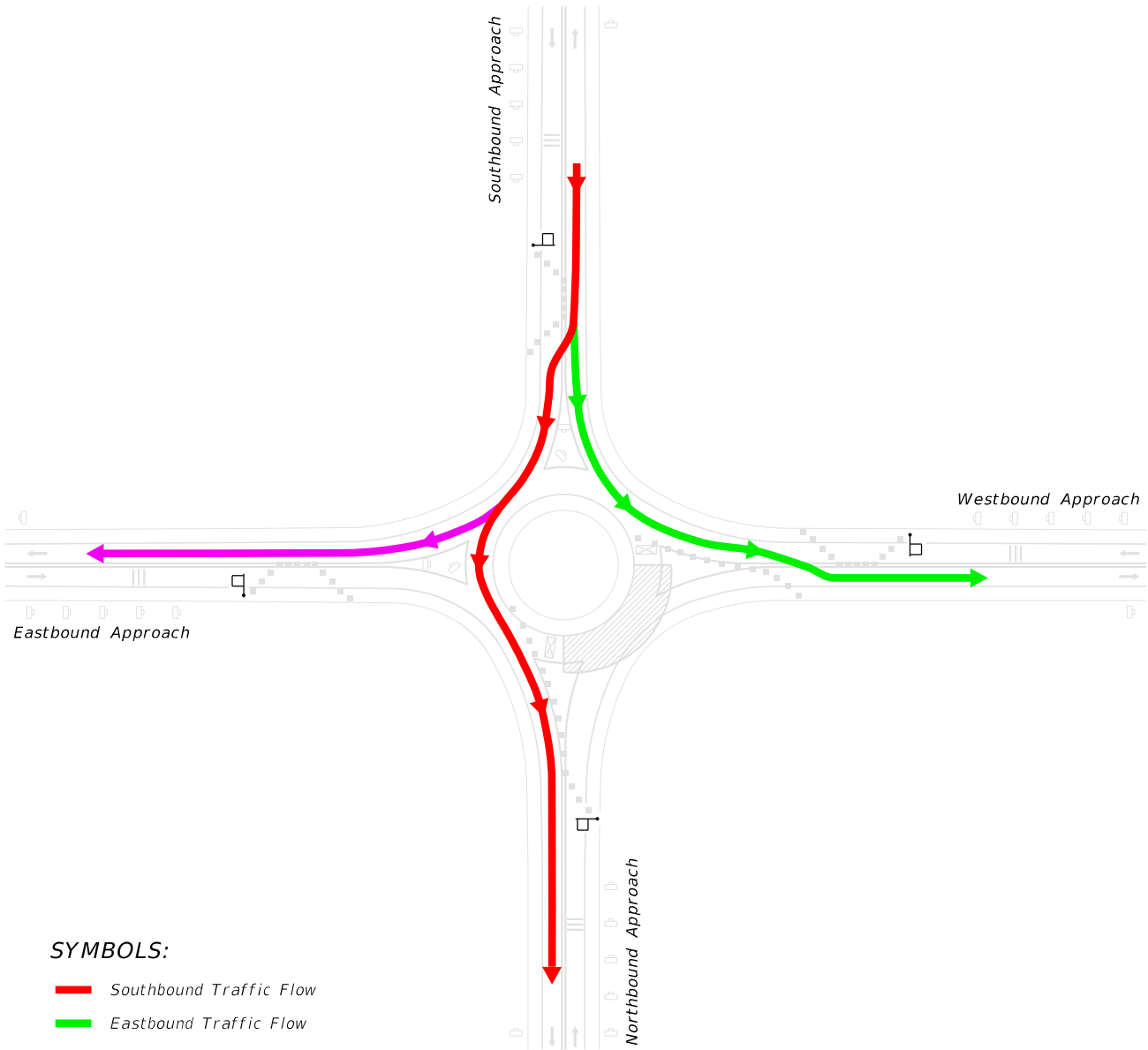


**SYMBOLS:**

- Westbound Traffic Flow
- Southbound Traffic Flow
- Northbound Traffic Flow
- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Type III Barricade
- Flagger
- Lane Identification and Direction of Traffic

TRAFFIC FROM WESTBOUND APPROACH

FIGURE 3



**SYMBOLS:**

- █ Southbound Traffic Flow
- █ Eastbound Traffic Flow
- █ Westbound Traffic Flow
- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Type III Barricade
- Flagger
- █ Lane Identification and Direction of Traffic

TRAFFIC FROM SOUTHBOUND APPROACH

FIGURE 4