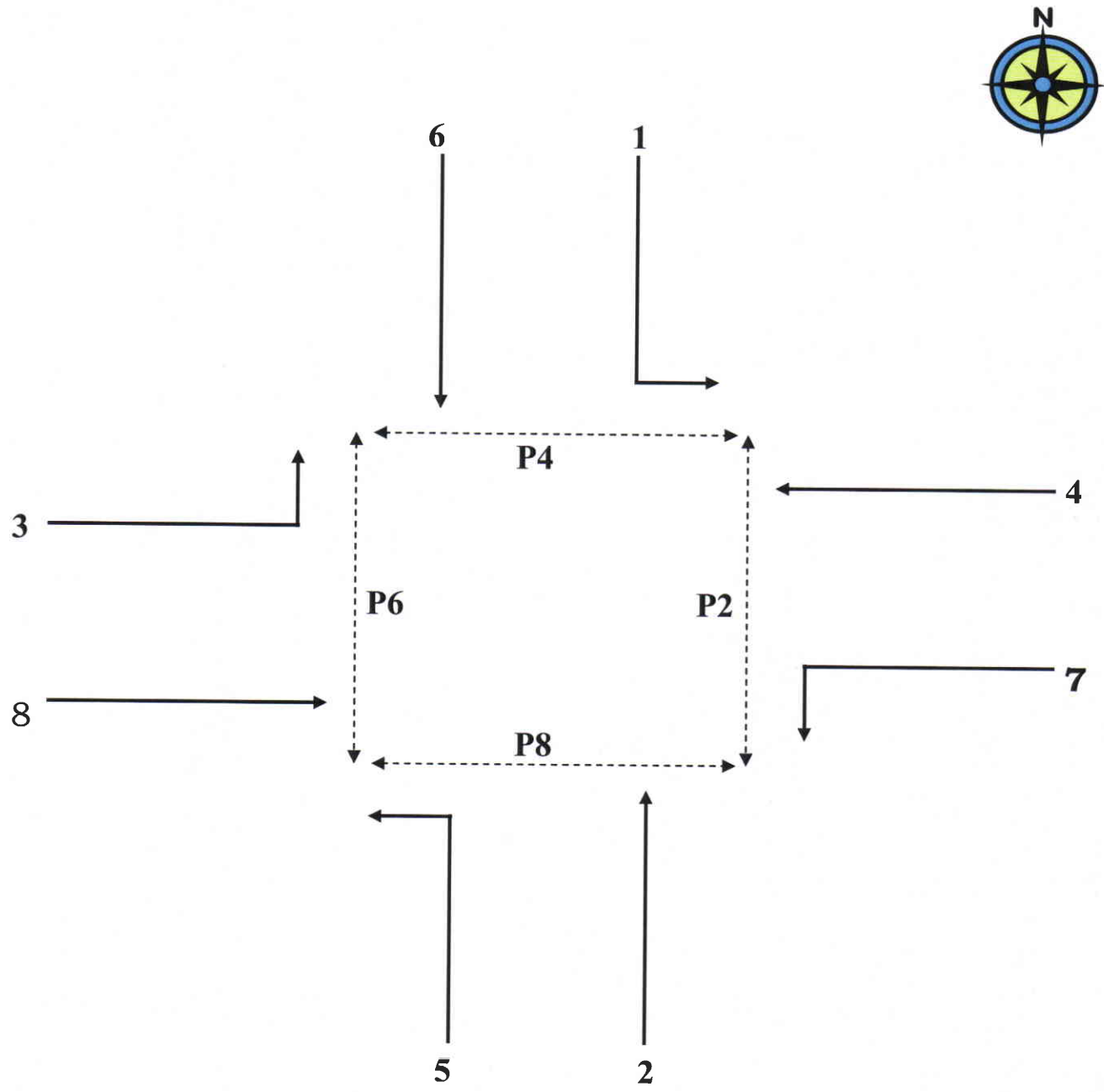




Figure 4.3



Traffic Signal Phasing



City of Suffolk Public Facilities Manual

4.2.5.2 Traffic Signal Phasing

All vehicle and pedestrian traffic movements shall be identified in accordance with the National Electrical Manufacturers Association (NEMA). The City uses a phase numbering scheme which is independent of the major streets running north-south. Phase assignments for full 8-phase operation with either protected or protected/permitted left turn movements are made as follows:

- Phase 1 - Vehicle southbound left turn movement
- Phase 2 - Vehicle northbound through movement
- Phase 2P - Pedestrian movement across east leg of intersection
- Phase 3 - Vehicle eastbound left turn movement
- Phase 4 - Vehicle westbound through movement
- Phase 4P - Pedestrian movement across north leg of intersection
- Phase 5 - Vehicle northbound left turn movement
- Phase 6 - Vehicle southbound through movement
- Phase 6P - Pedestrian movement across west leg of intersection
- Phase 7 - Vehicle westbound left turn movement
- Phase 8 - Vehicle eastbound through movement
- Phase 8P - Pedestrian movement across south leg of intersection

The left turn phase number is not used when the left turn movement is permissive only. In this event, the left turn movement has the same phase number as the adjacent through movement. For example, on a street running north-south, the northbound left turn and northbound through movement would both be identified as Phase 2.

Pedestrian movements are not numbered unless there are pedestrian signal or pedestrian view signal displays provided.

The designer should contact Traffic Engineering if there are questions concerning the designation of the major street or unique intersection geometrics or phasing requirements.