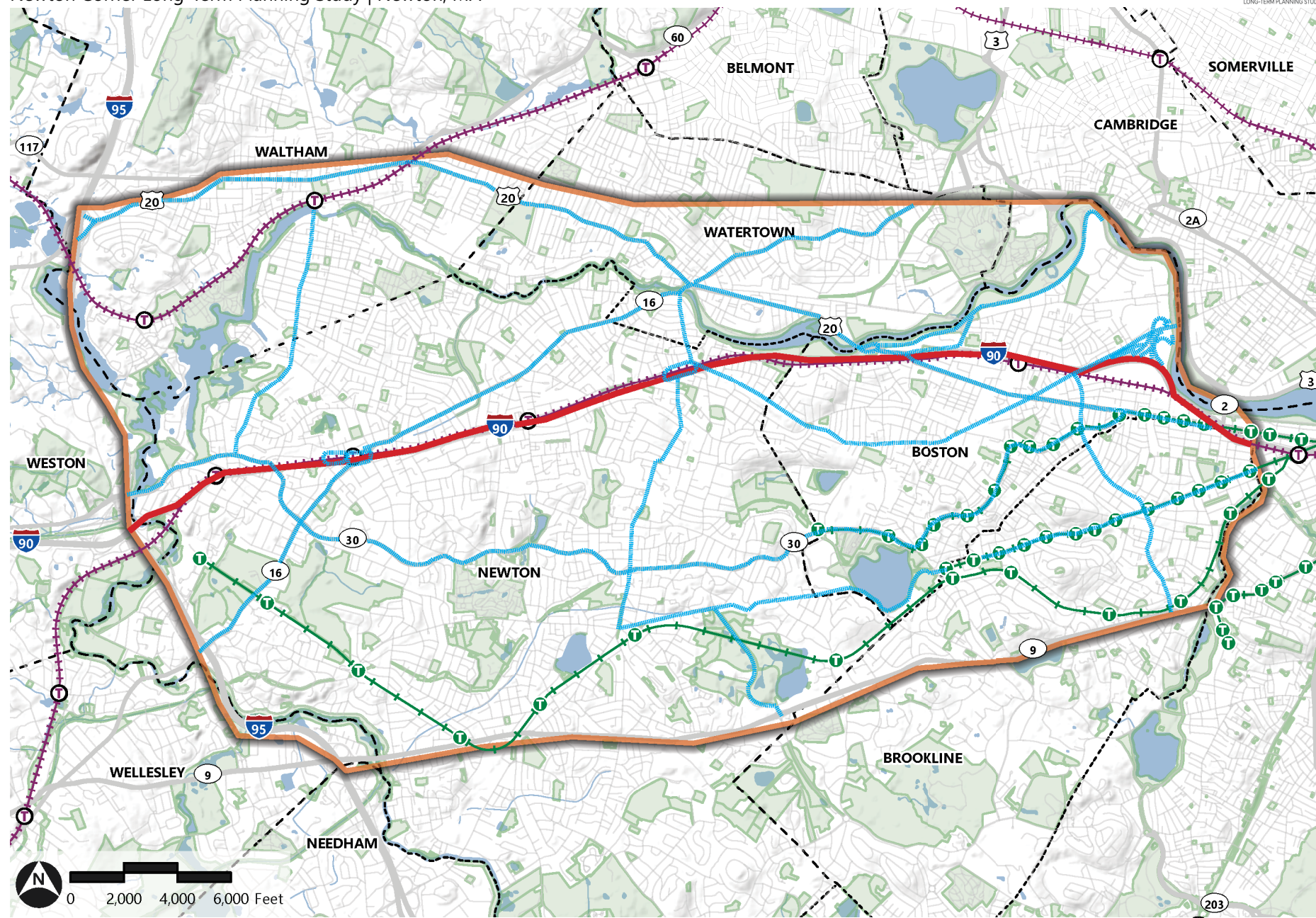


Regional Study Area Major Roadways (Interstates and Principal Arterials)

Newton Corner Long-Term Planning Study | Newton, MA



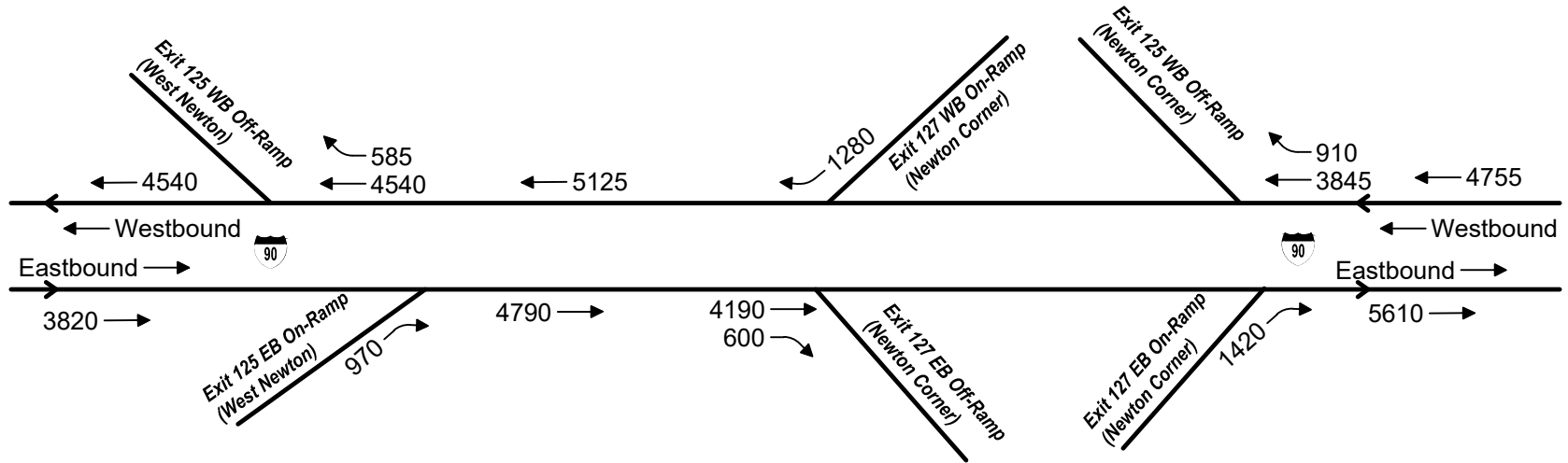
- Regional Study Area (Legend)
- T Commuter Rail Station
- T Green Line Station
- Town Boundary
- Open Water
- Open Space
- Interstate
- Urban Principal Arterial
- Commuter Rail
- MBTA Green Line

Source: MassDOT, MassGIS

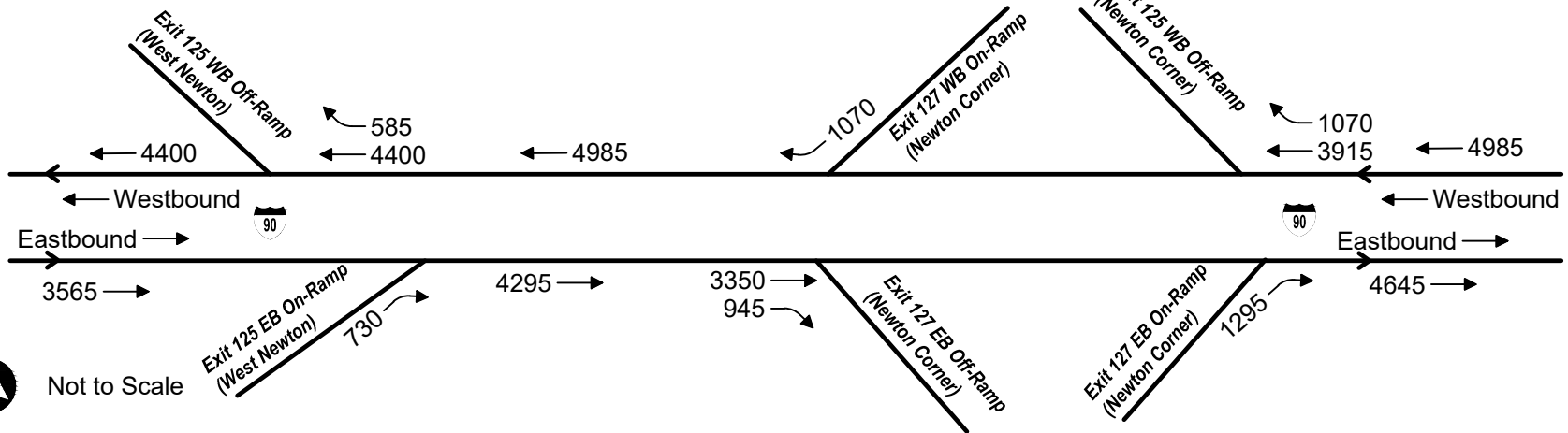
2024 Existing I-90 Peak Hour Vehicle Volumes

Newton Corner Long Term Planning Study | Newton, MA

Weekday Morning Peak Hour (7:15 a.m. - 8:15 a.m.) Vehicle Volumes



Weekday Evening Peak Hour (5:15 p.m. - 6:15 p.m.) Vehicle Volumes



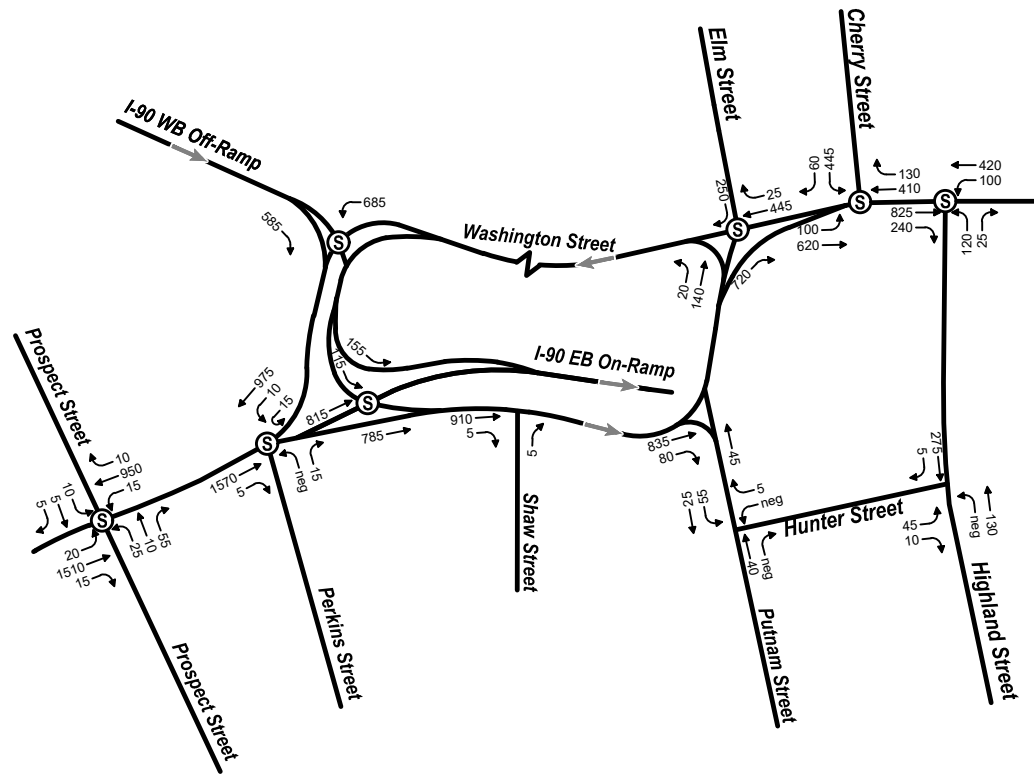
Not to Scale

2024 Existing Weekday Morning Peak Hour (7:45 a.m. - 8:45 a.m.) Traffic Volumes - West Newton

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection

neg = Negligible

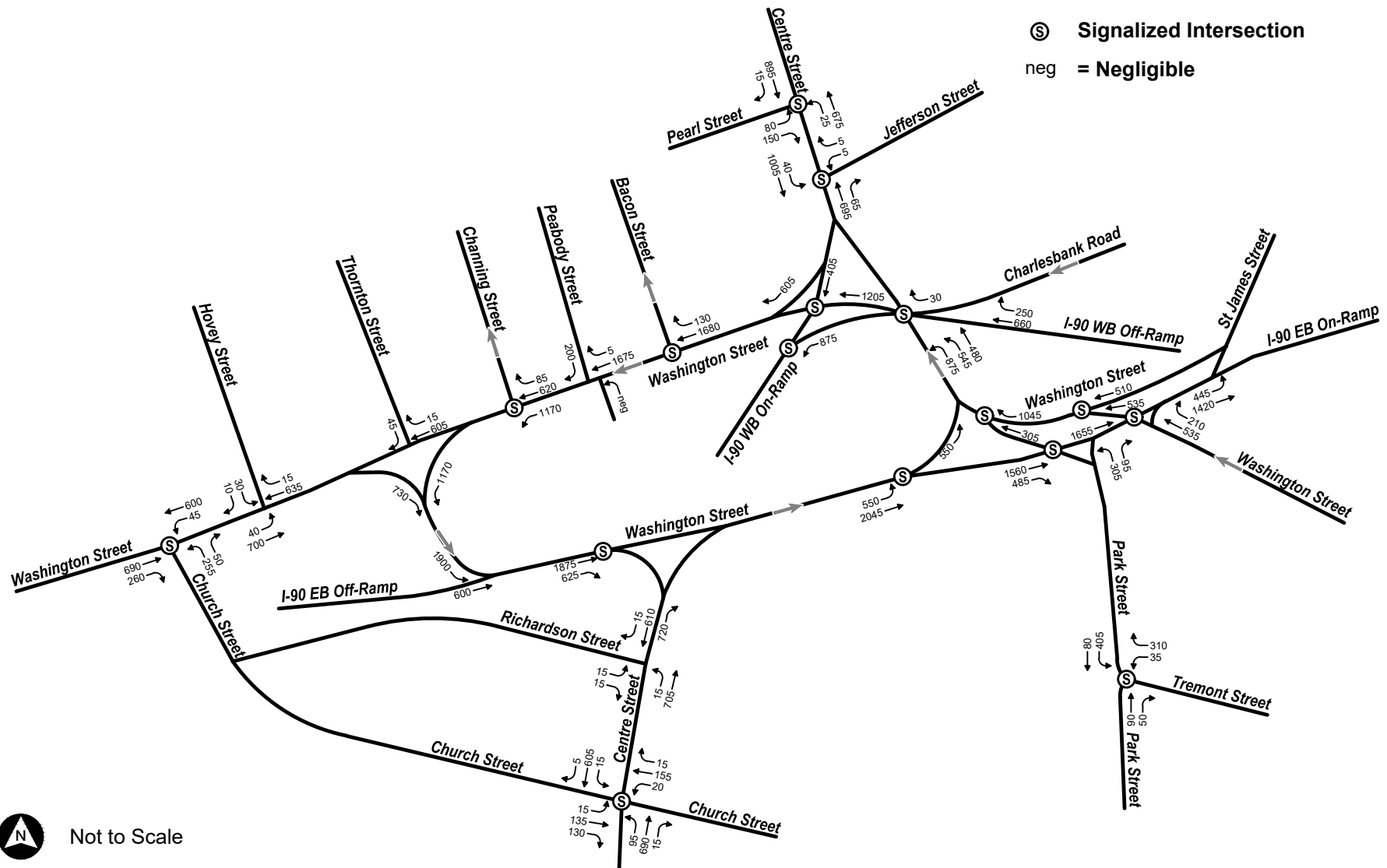


Not to Scale

2024 Existing Weekday Morning Peak Hour (7:30 a.m. - 8:30 a.m.) Traffic Volumes - Newton Corner

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection
neg = Negligible



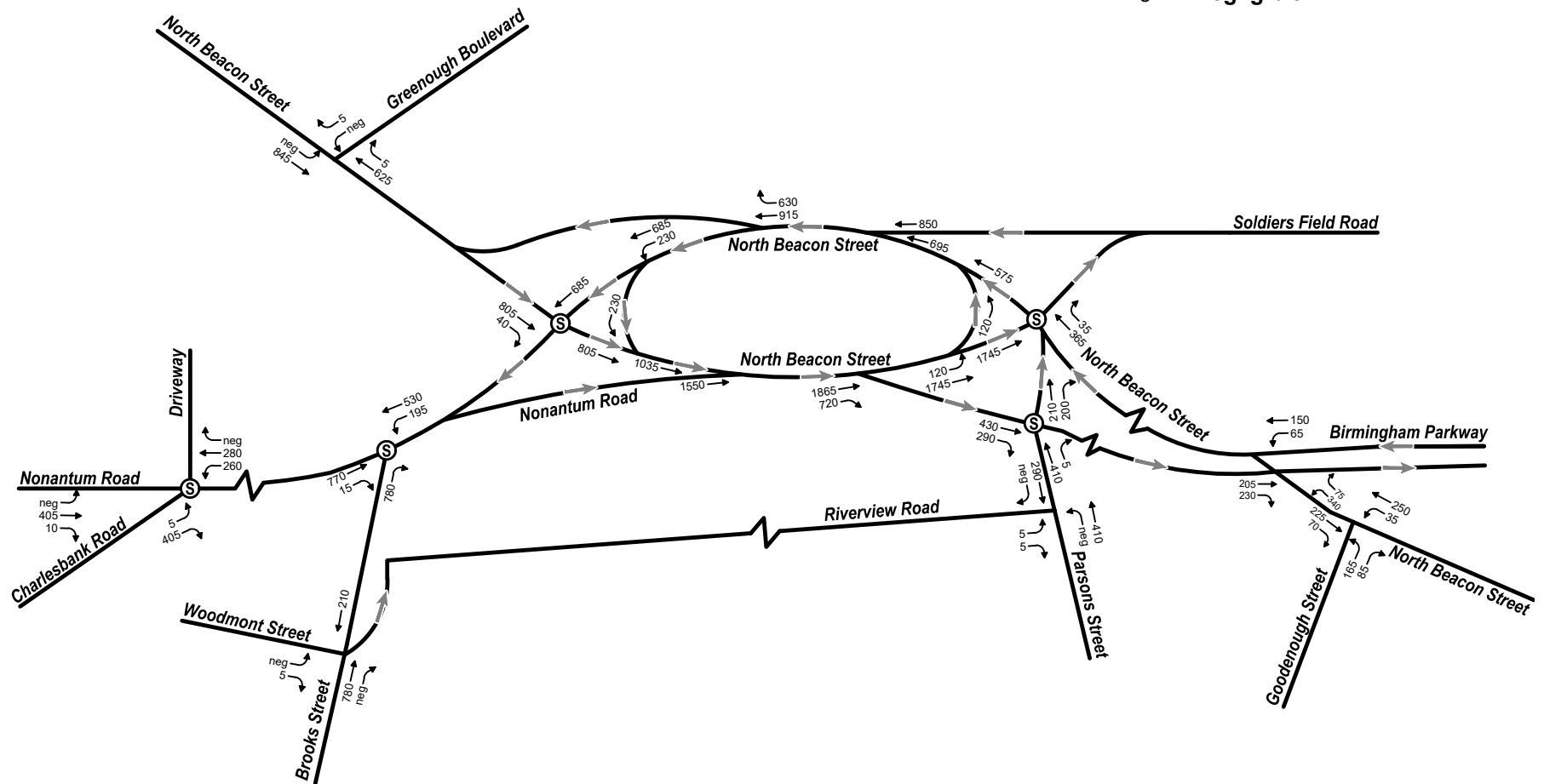
Not to Scale

2024 Existing Weekday Morning Peak Hour (7:45 a.m. - 8:45 a.m.) Traffic Volumes - DCR Roadways

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection

neg = Negligible



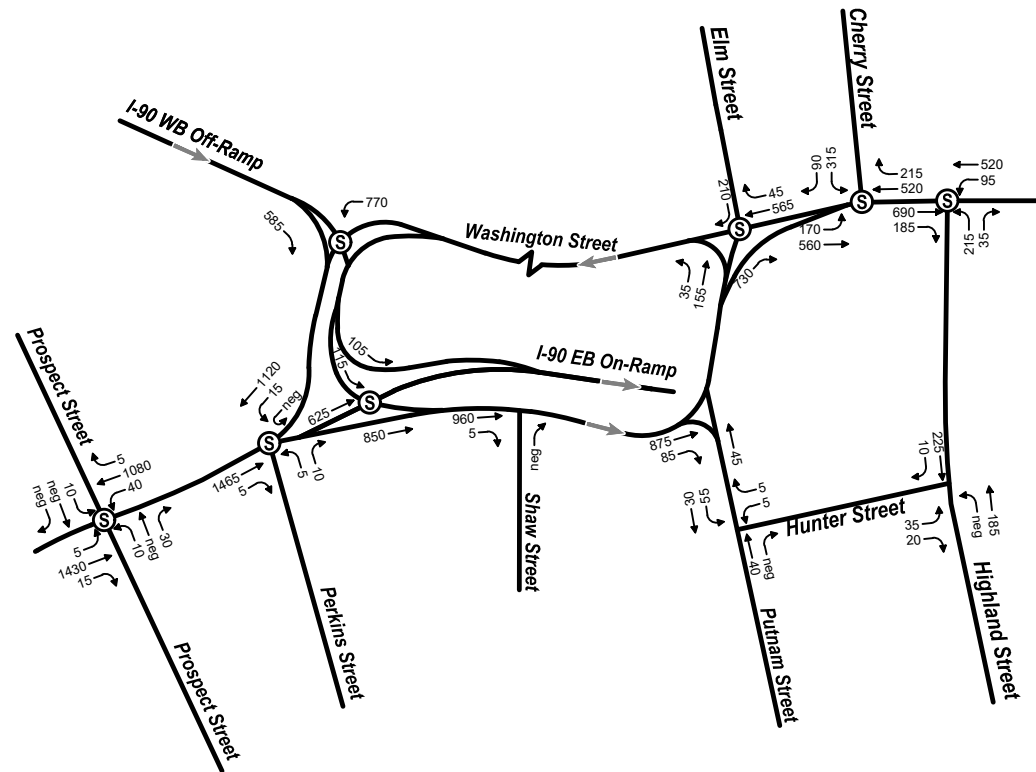
Not to Scale

2024 Existing Weekday Evening Peak Hour (5:00 p.m. - 6:00 p.m.) Traffic Volumes - West Newton

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection

neg = Negligible



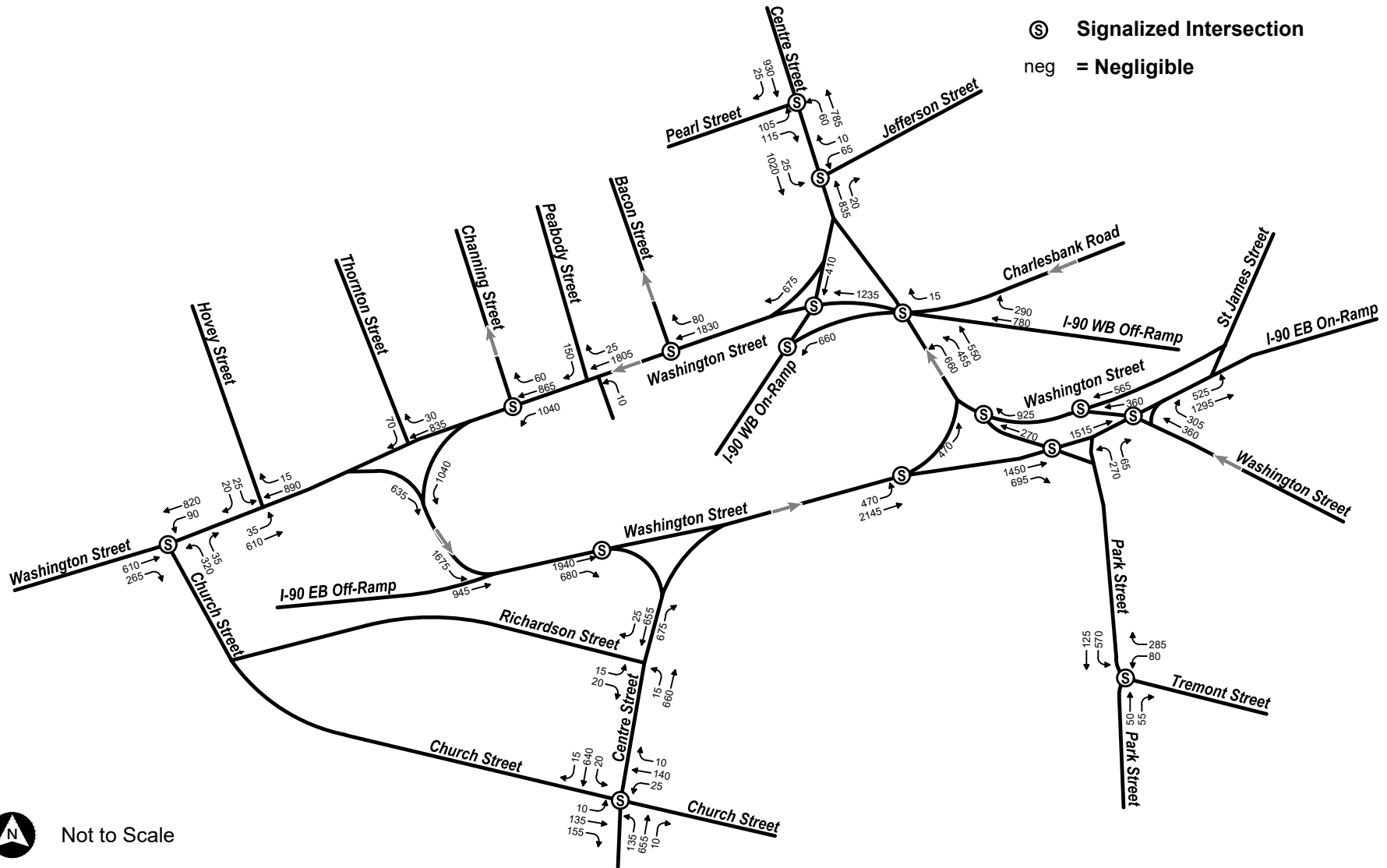
Not to Scale

2024 Existing Weekday Evening Peak Hour (5:00 p.m. - 6:00 p.m.) Traffic Volumes - Newton Corner

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection

neg = Negligible



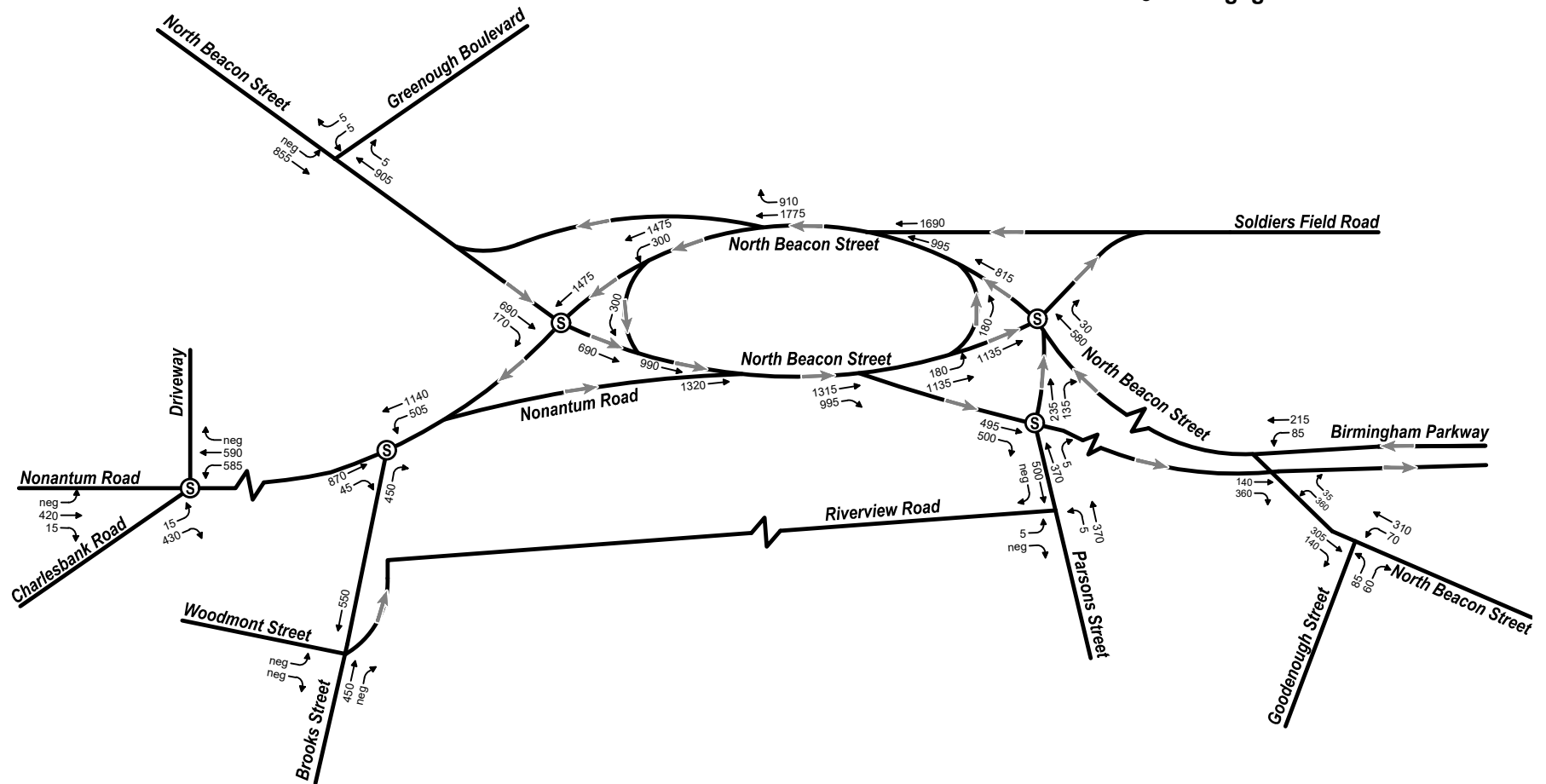
Not to Scale

2024 Existing Weekday Evening Peak Hour (4:45 p.m. - 5:45 p.m.) Traffic Volumes - DCR Roadways

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection

neg = Negligible



Not to Scale

2024 Existing Weekday Peak Hour Pedestrian Volumes - West Newton

Newton Corner Long Term Planning Study | Newton, MA

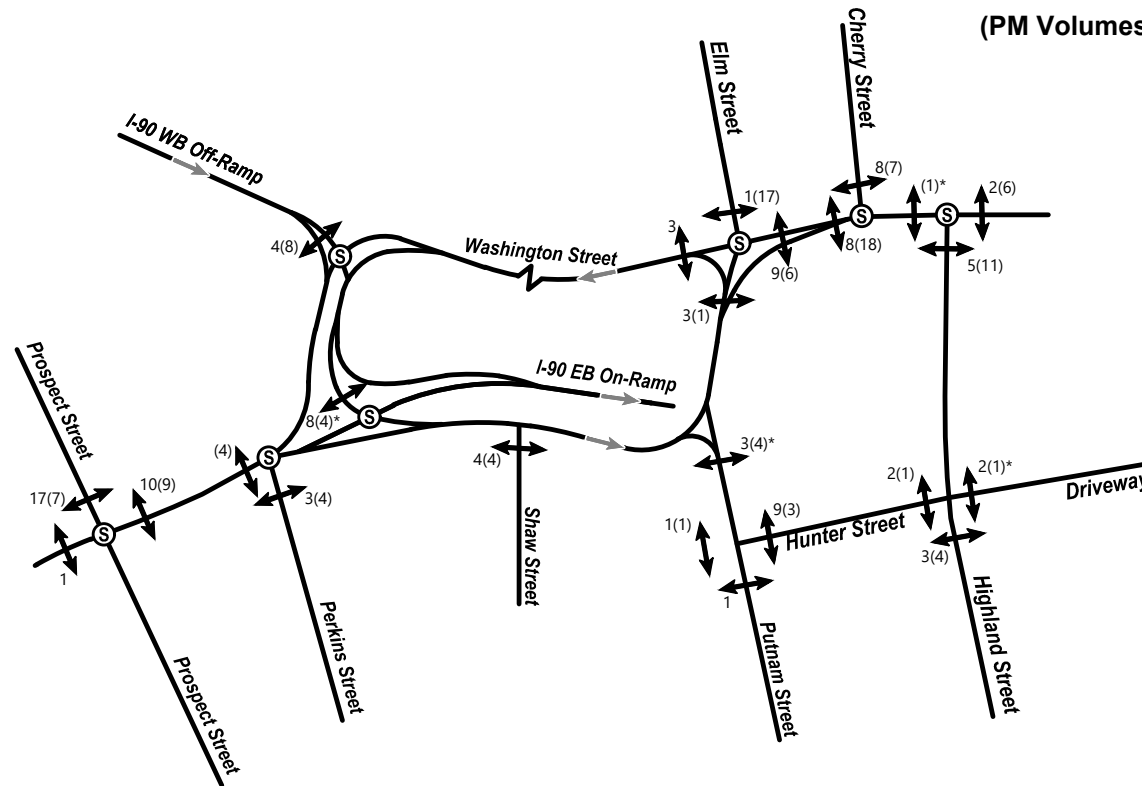
Ⓢ Signalized Intersection

↔ Crosswalk Pedestrian Volume

* = No Crosswalk at this Location

AM Volumes - 7:45 - 8:45 a.m.

(PM Volumes) - 5:00 - 6:00 p.m.

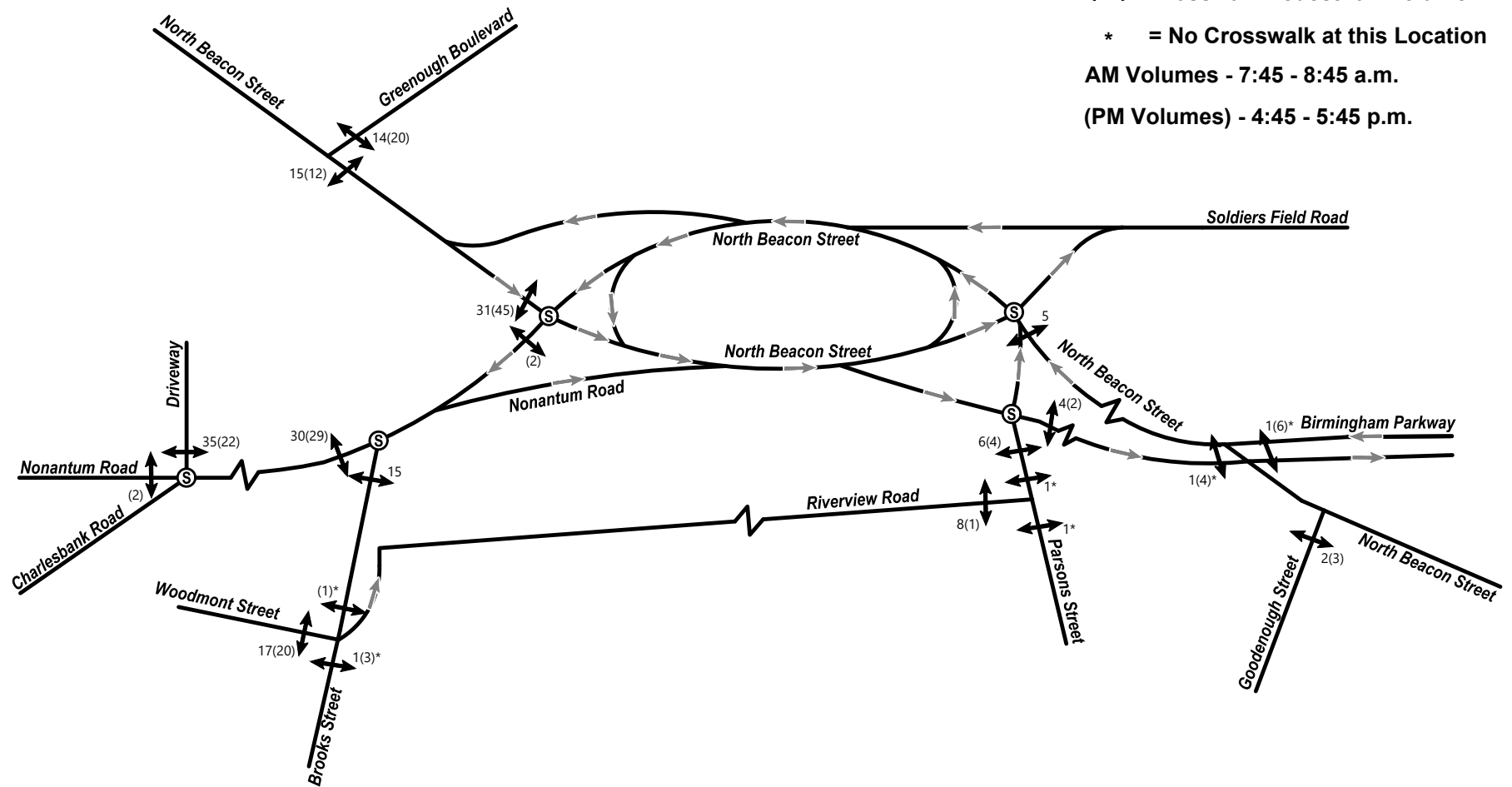



Not to Scale

2024 Existing Weekday Peak Hour Pedestrian Volumes - DCR Roadways

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection
 ↔ Crosswalk Pedestrian Volume
 * = No Crosswalk at this Location
 AM Volumes - 7:45 - 8:45 a.m.
 (PM Volumes) - 4:45 - 5:45 p.m.



 Not to Scale

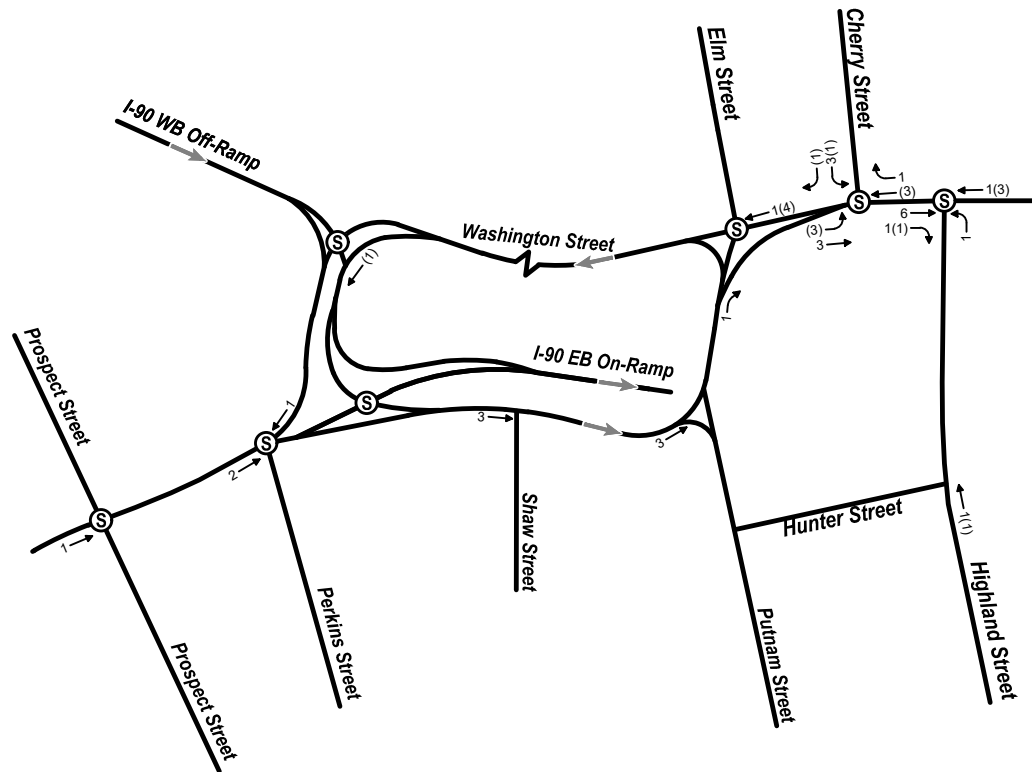
2024 Existing Weekday Peak Hour Bicycle Volumes - West Newton

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection

AM Volumes - 7:45 - 8:45 a.m.

(PM Volumes) - 5:00 - 6:00 p.m.

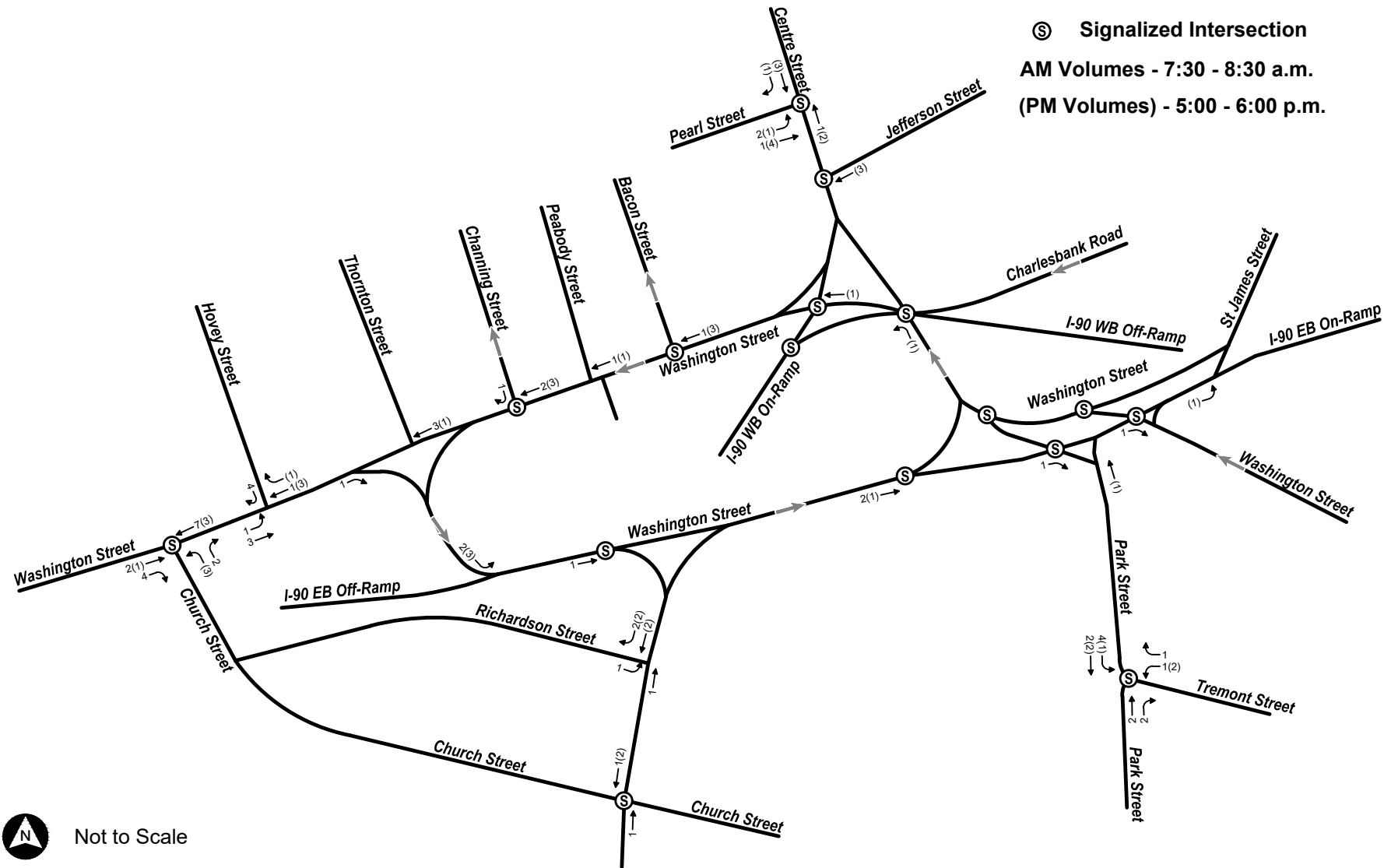


Not to Scale

2024 Existing Weekday Peak Hour Bicycle Volumes - Newton Corner

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection
 AM Volumes - 7:30 - 8:30 a.m.
 (PM Volumes) - 5:00 - 6:00 p.m.

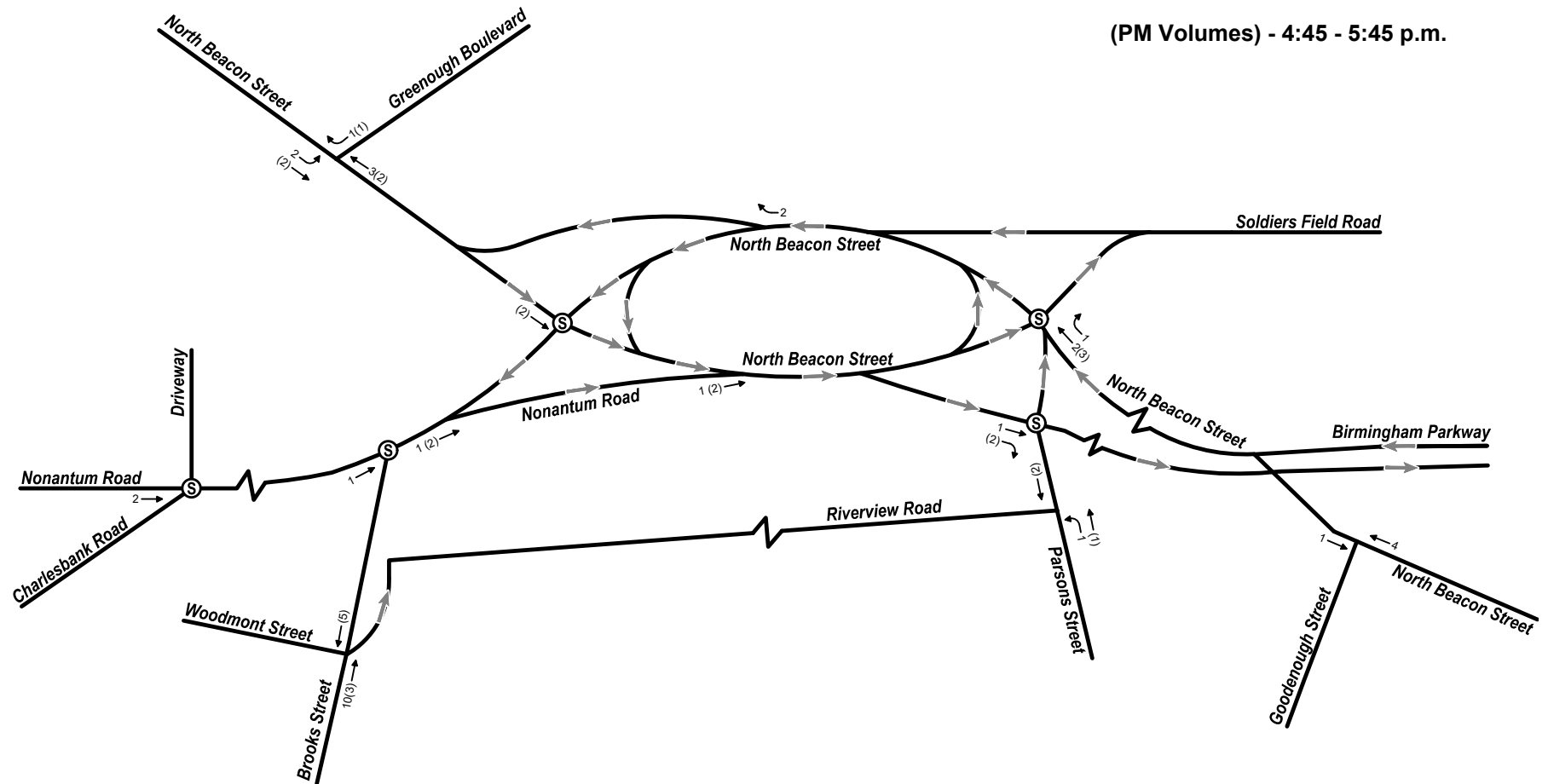


Not to Scale

2024 Existing Weekday Peak Hour Bicycle Volumes - DCR Roadways

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection
 AM Volumes - 7:45 - 8:45 a.m.
 (PM Volumes) - 4:45 - 5:45 p.m.




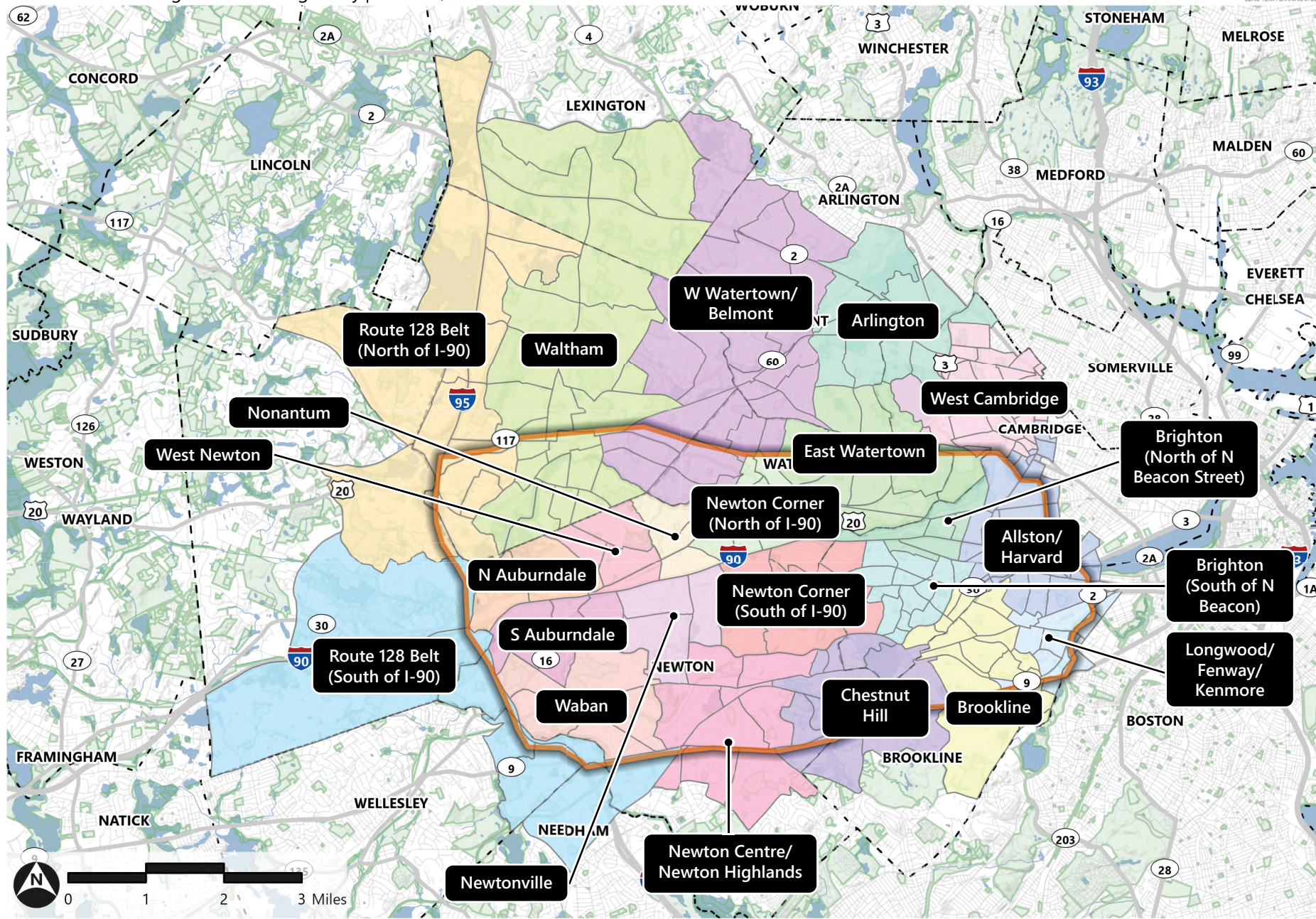
 Not to Scale

Figure 1: Grouped OD Analysis Zones for Existing Conditions Analysis

Newton Corner Long-Term Planning Study | Newton, MA



- Regional Study Area
- Open Water
- Open Space
- Town Boundary

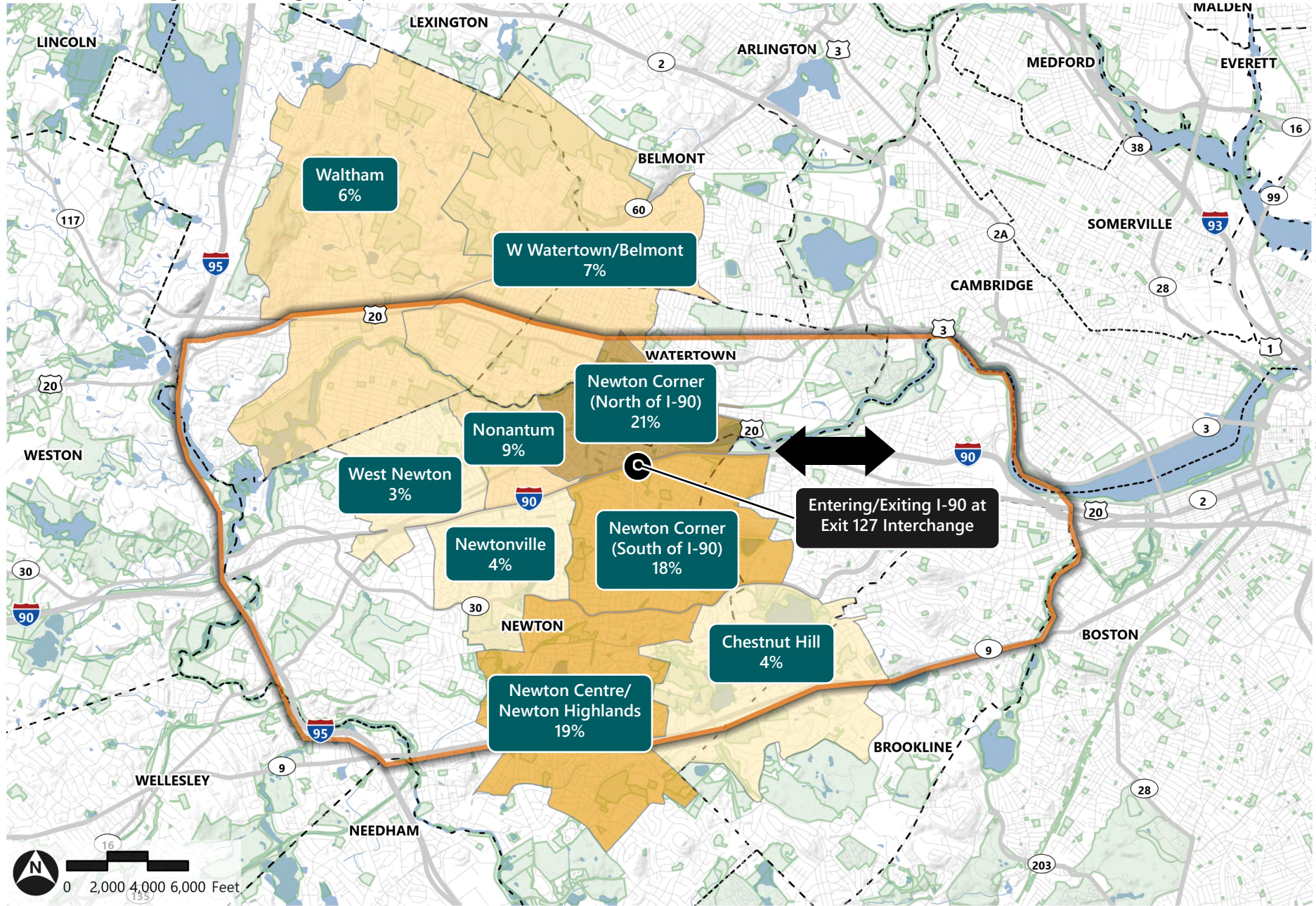
Source: MassDOT, MassGIS

* All other zones are 9%

Path: \\whb.com\gis\proj\Wat-TS\16249.00 MDOT-Newton Corner Plan\Project\NewtonCornerPlanning\NewtonCornerPlanning.aprx (zconner, 8/14/2024)

Figure 2: Daily Origins/Destinations of Vehicles using the I-90 Exit 127 Interchange (Newton Corner) to/from Points East

Newton Corner Long-Term Planning Study | Newton, MA



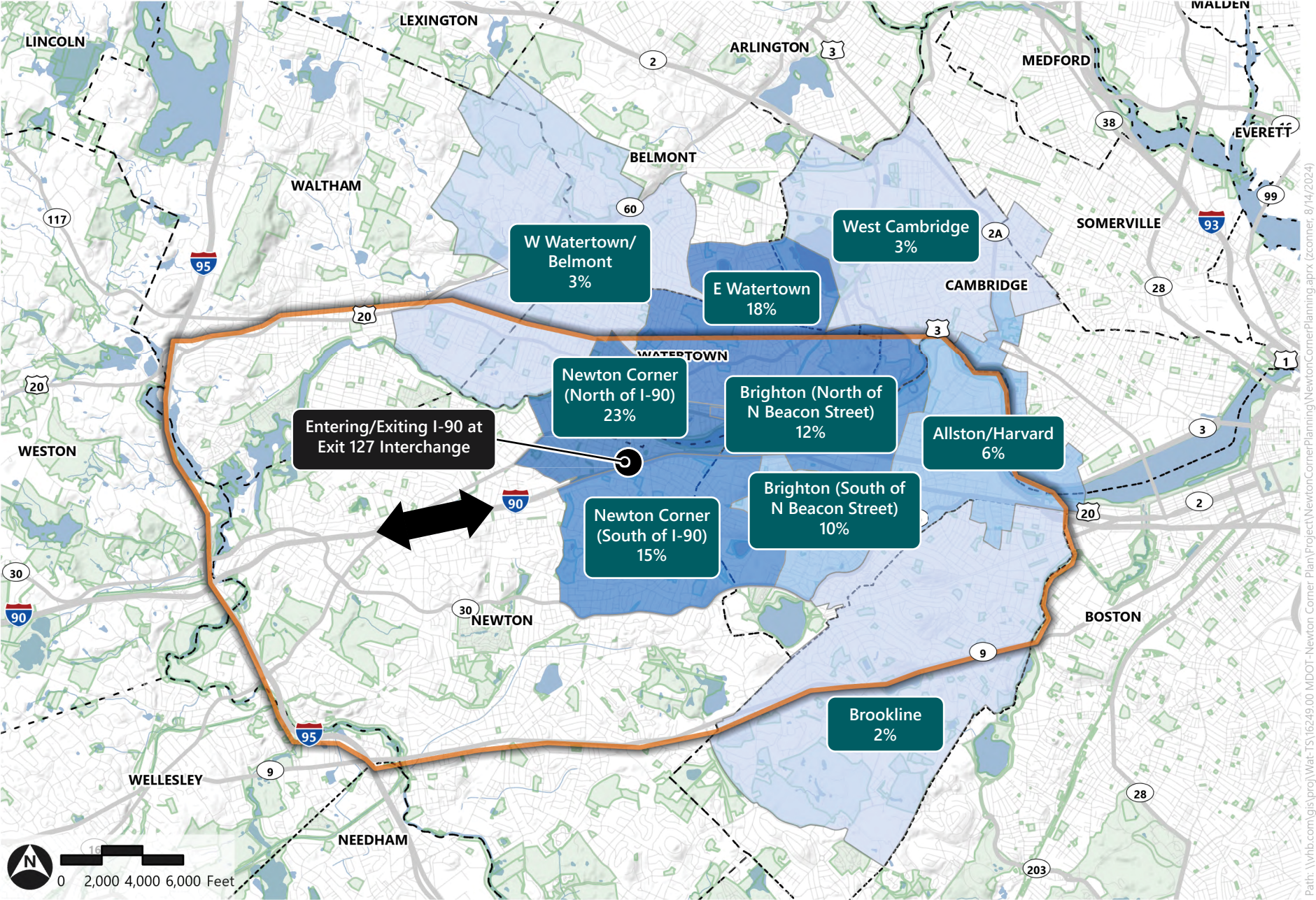
Source: MassDOT, MassGIS

* All other zones are 9%

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Figure 3: Daily Origins/Destinations of Vehicles using the I-90 Exit 127 Interchange (Newton Corner) to/from Points West

Newton Corner Long-Term Planning Study | Newton, MA



Legend

Regional Study Area	Daily Origin/Destination Vehicle %	Open Water
0 - 5%	5 - 10%	Open Space
10 - 15%	15 - 20%	Town Boundary
20 - 25%		

Source: MassDOT, MassGIS

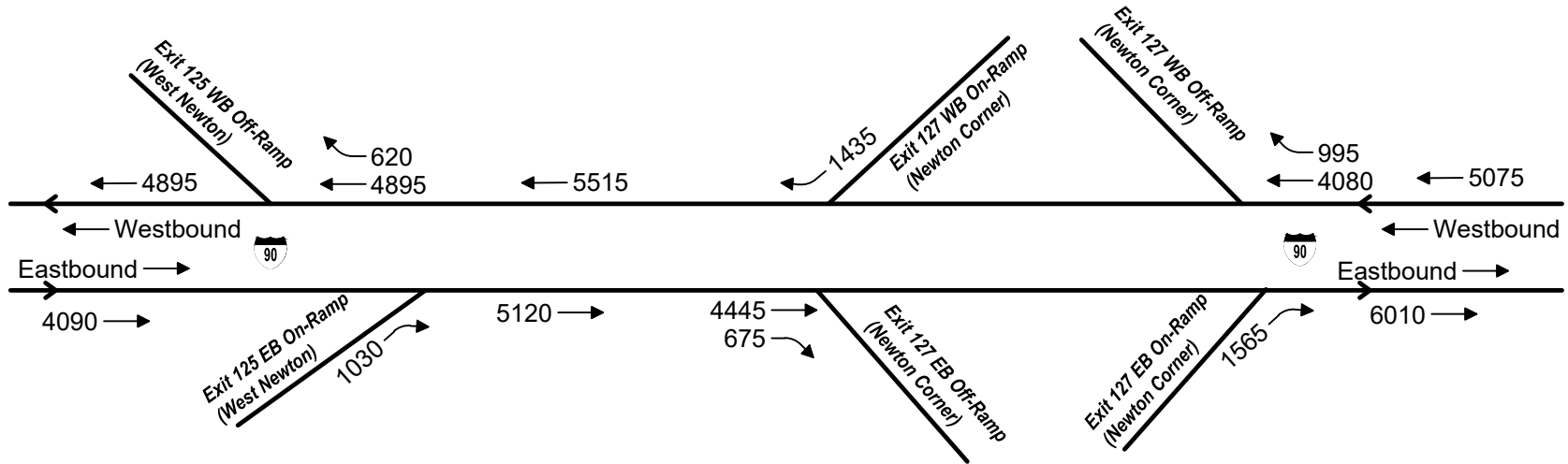
* All other zones are 9%

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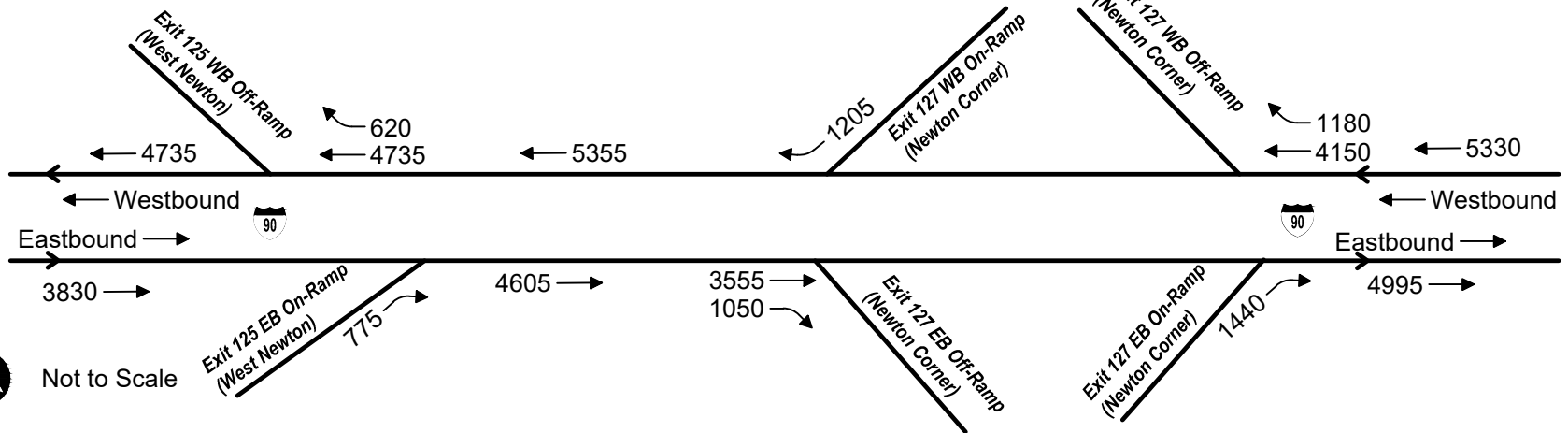
2050 Future No-Build I-90 Peak Hour Vehicle Volumes

Newton Corner Long Term Planning Study | Newton, MA

Weekday Morning Peak Hour (7:15 a.m. - 8:15 a.m.) Vehicle Volumes



Weekday Evening Peak Hour (5:15 p.m. - 6:15 p.m.) Vehicle Volumes



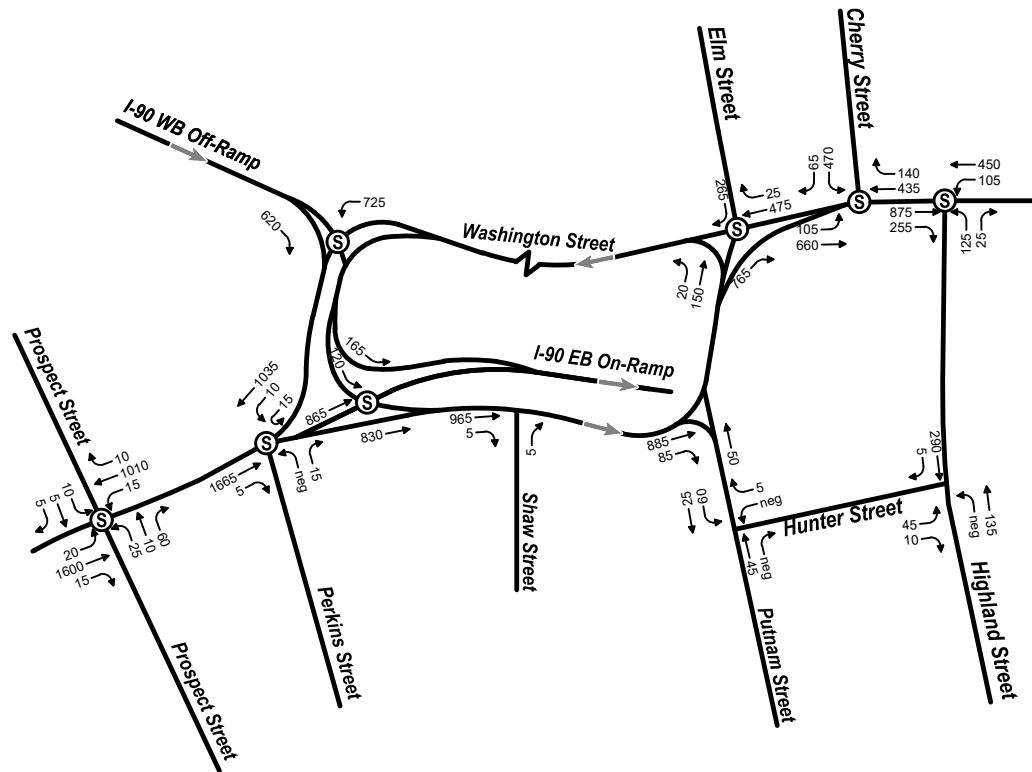
Not to Scale

2050 Future No-Build Weekday Morning Peak Hour (7:45 a.m. - 8:45 a.m.) Traffic Vehicle Volumes - West Newton

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection

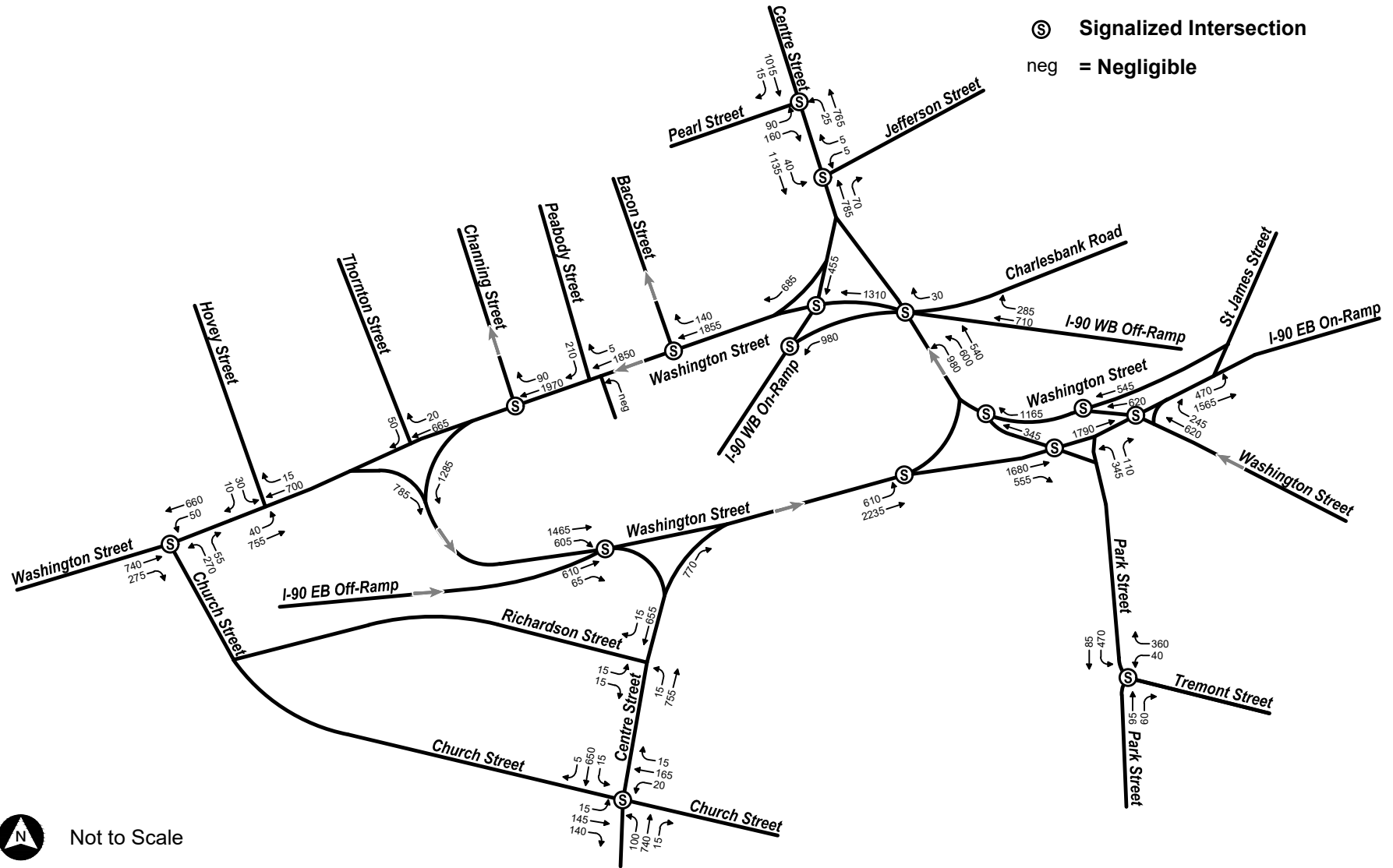
neg = Negligible



Not to Scale

2050 Future No-Build Weekday Morning Peak Hour (7:30 a.m. - 8:30 a.m.) Traffic Vehicle Volumes - Newton Corner

Newton Corner Long Term Planning Study | Newton, MA

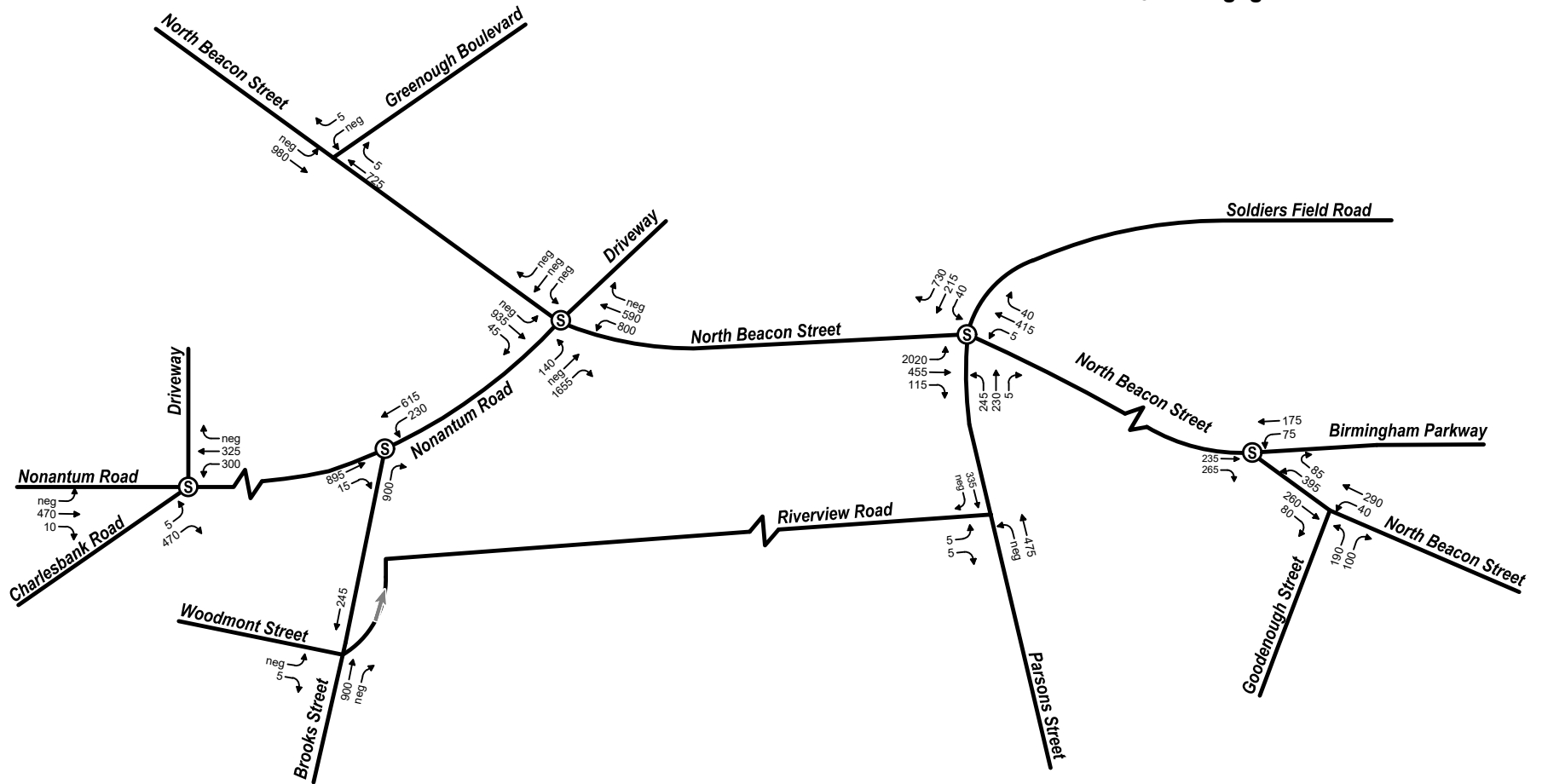


2050 Future No-Build Weekday Morning Peak Hour (7:45 a.m. - 8:45 a.m.) Traffic Vehicle Volumes - DCR Roadways

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection

neg = Negligible



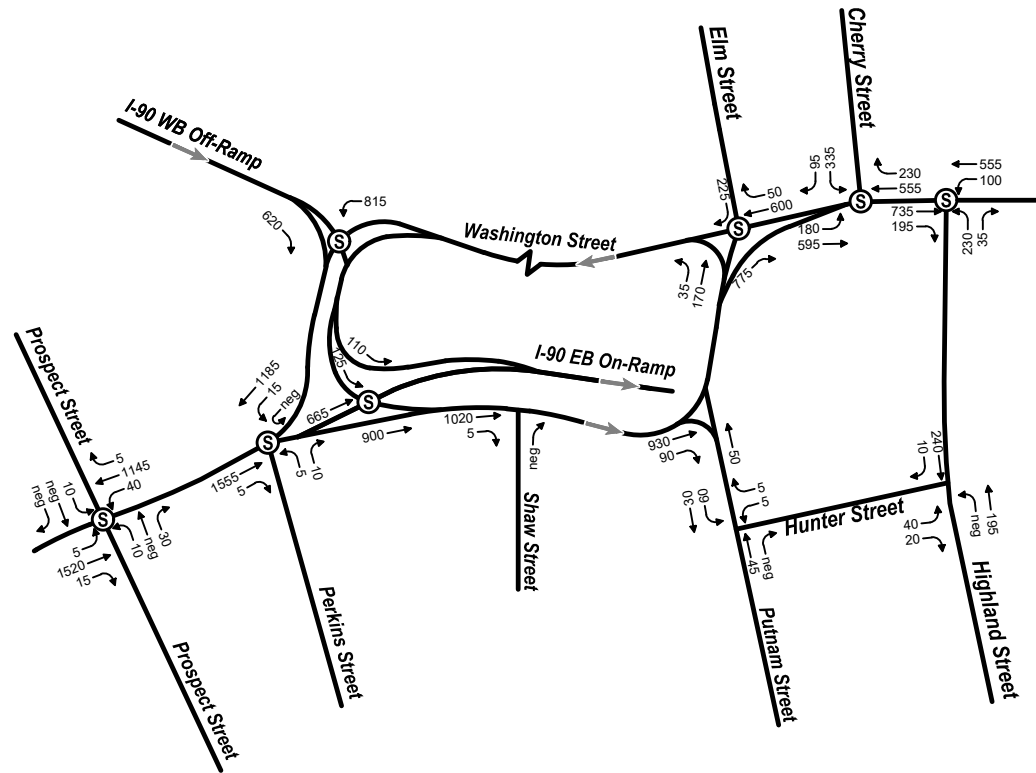
Not to Scale

2050 Future No-Build Weekday Evening Peak Hour (5:00 p.m. - 6:00 p.m.) Traffic Vehicle Volumes - West Newton

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection

neg = Negligible

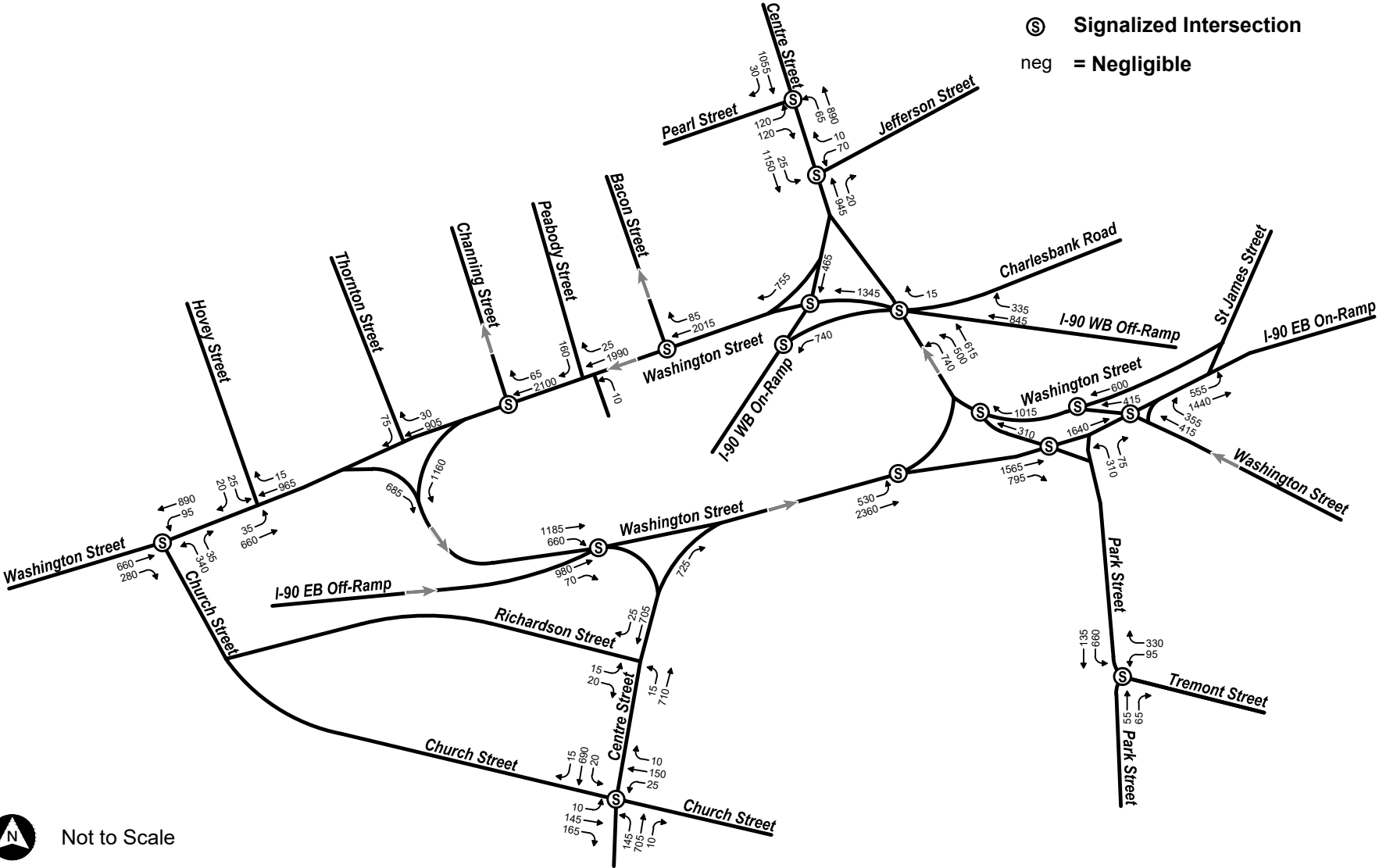


Not to Scale

2050 Future No-Build Weekday Evening Peak Hour (5:00 p.m. - 6:00 p.m.) Traffic Vehicle Volumes - Newton Corner

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection
 neg = Negligible



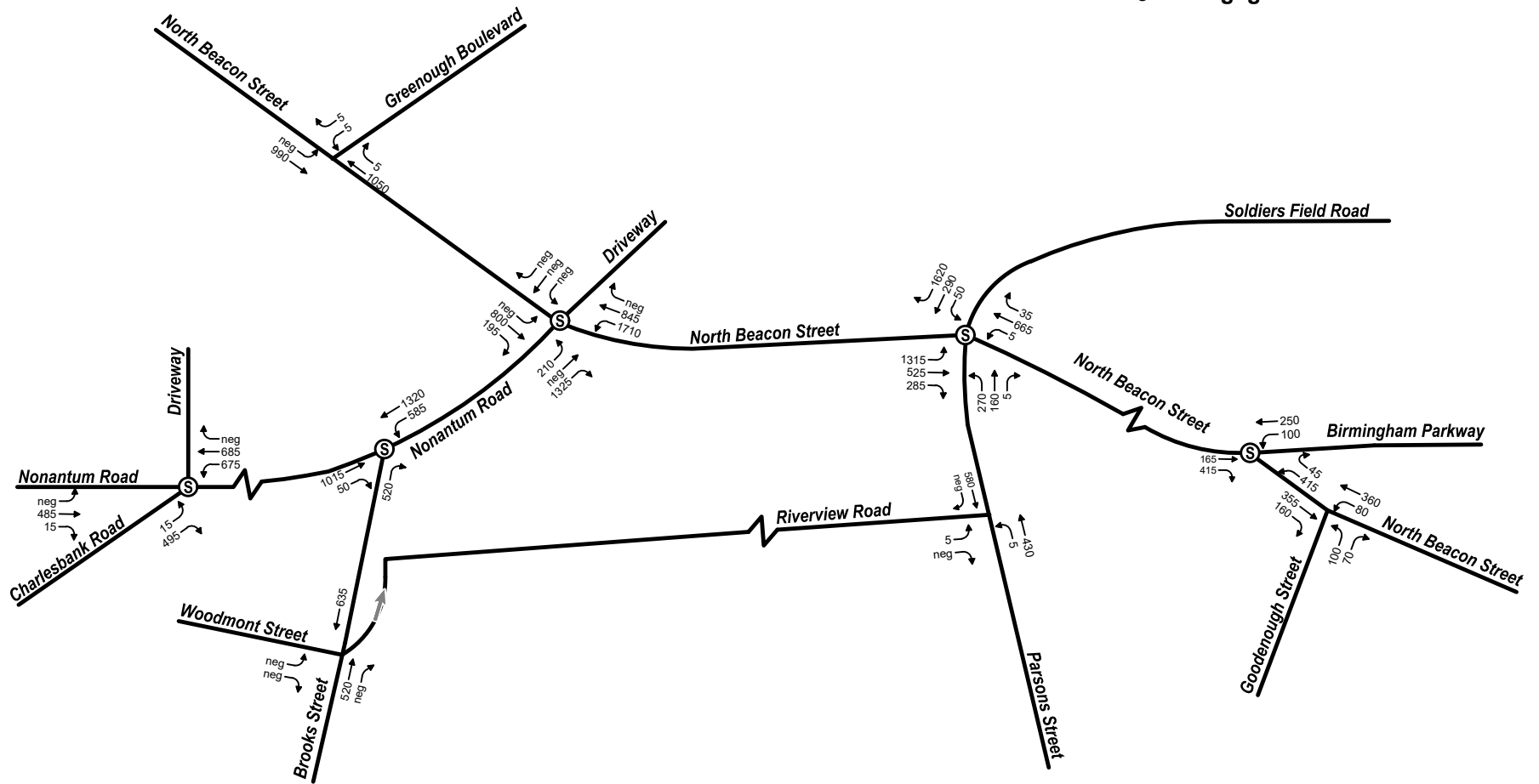
Not to Scale

2050 Future No-Build Weekday Evening Peak Hour (4:45 p.m. - 5:45 p.m.) Traffic Vehicle Volumes - DCR Roadways

Newton Corner Long Term Planning Study | Newton, MA

Ⓢ Signalized Intersection

neg = Negligible



Not to Scale