



MASSACHUSETTS DEPARTMENT OF
CONSERVATION AND RECREATION

Welcome!

Intersection Improvement at Lynn Fells
Parkway and Melrose Street, Melrose, MA

Virtual Public Informational Meeting

December 9, 2020

7:00 PM to 8:30 PM

Meeting Logistics

- Two ways to ask questions during the meeting
 - Raise your hand
 - Use Q&A feature
- You will have the opportunity to submit comments over the course of the next four weeks at:
 - DCR Public Comments
<https://www.mass.gov/forms/dcr-public-comments>
- *Please note that this meeting will be recorded; the recording will be a public record*



Commonwealth of Massachusetts

Governor

Charles D. Baker

Lieutenant Governor

Karyn E. Polito

Energy and Environmental Secretary

Kathleen A. Theoharides

Department of Conservation and Recreation Commissioner

Jim Montgomery

Agenda

1. Welcome
2. Project Background
3. Project Schedule
4. Existing Conditions
 - a. Layout
 - b. Traffic Counts
 - c. Crashes
 - d. Design Challenges
5. Public Comment
6. Next Steps



MASSACHUSETTS DEPARTMENT OF
CONSERVATION AND RECREATION

DCR Mission

*To protect, promote, and enhance our
Commonwealth of natural, cultural, and
recreational resources for the well-being of all.*

Introduction

- **Jeffrey R. Parenti, PE, PTOE, PTP, ENV SP**
DCR – Deputy Chief Engineer, Division of Planning and Engineering
- **Val Soroka**
DCR – Project Manager
- **Jennifer Norwood**
DCR – Director of External Affairs and Partnerships
- **Craig Cashman**
DCR – Director of Legislative Affairs
- **Fayssal J. Hussein, PE, PTOE, LEED Green Associates**
Nitsch Engineering – Principal In Charge
- **Birendra Gurung, PE, PTOE, ENV SP, LEED Green Associates**
Nitsch Engineering – Project Manager
- **Adina Alpert, PE, PTOE, ENV SP**
Nitsch Engineering – Senior Traffic Engineer

Project Schedule

- Public Meeting #1: December 9, 2020
- Complete Conceptual Design: Winter 2021
- Public Meeting #2: Winter 2021
- Complete Final Design: Late Spring 2021

Existing Conditions

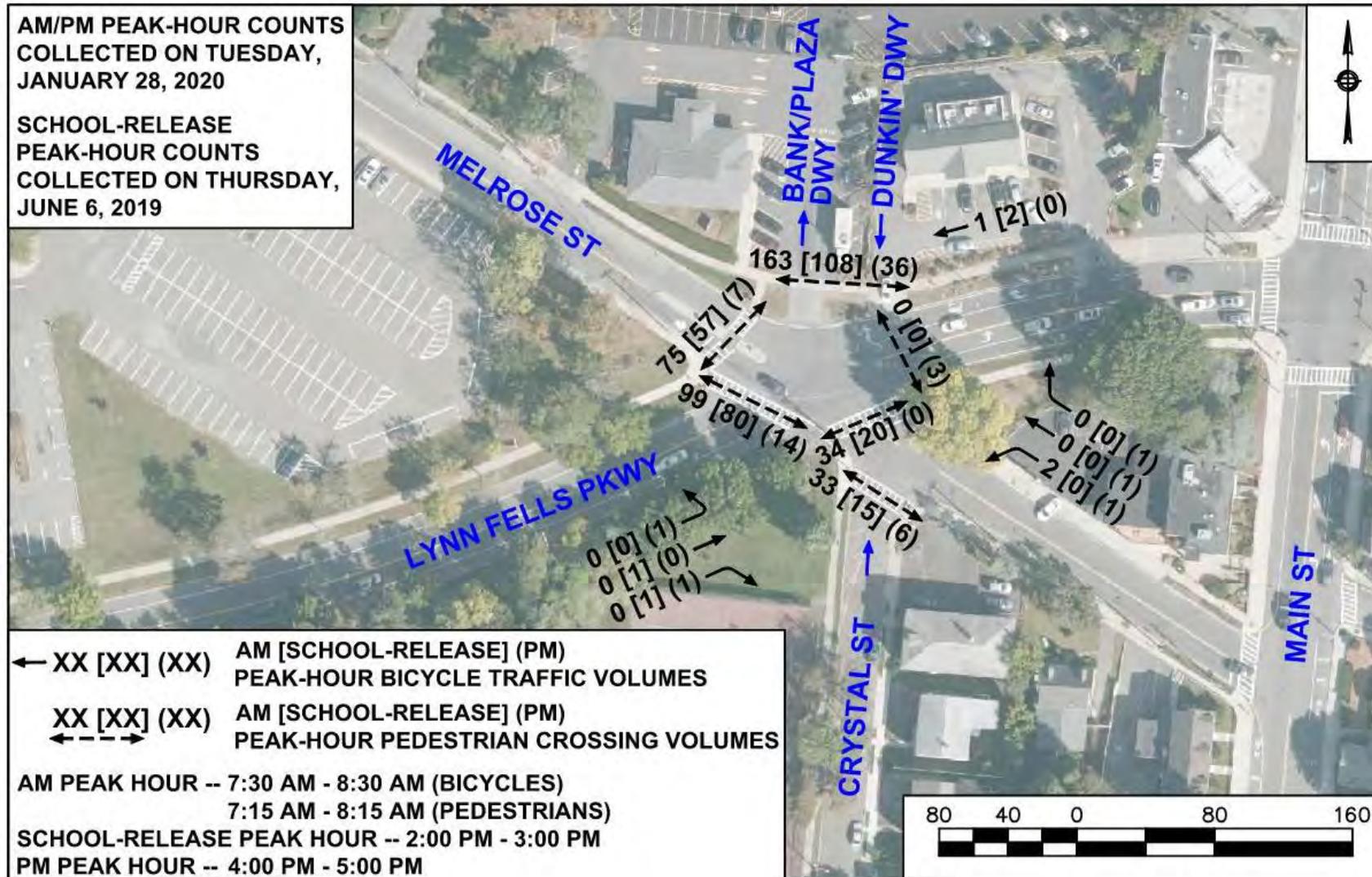
- Lynn Fells Parkway and Melrose Street meet at an oblique angle
- Complex intersection: 6 approaches and 5 departures with 65+ vehicular conflict points
- Left turns from Crystal Street involve 2 stages and are blocked or require oversteering when there is a queue on Melrose Street
- Eastbound departure becomes queue at Main Street, which often spills back into this intersection
- Delays on stop-controlled approaches



Existing Vehicular Traffic Volumes



Existing Bicycle and Pedestrian Volumes

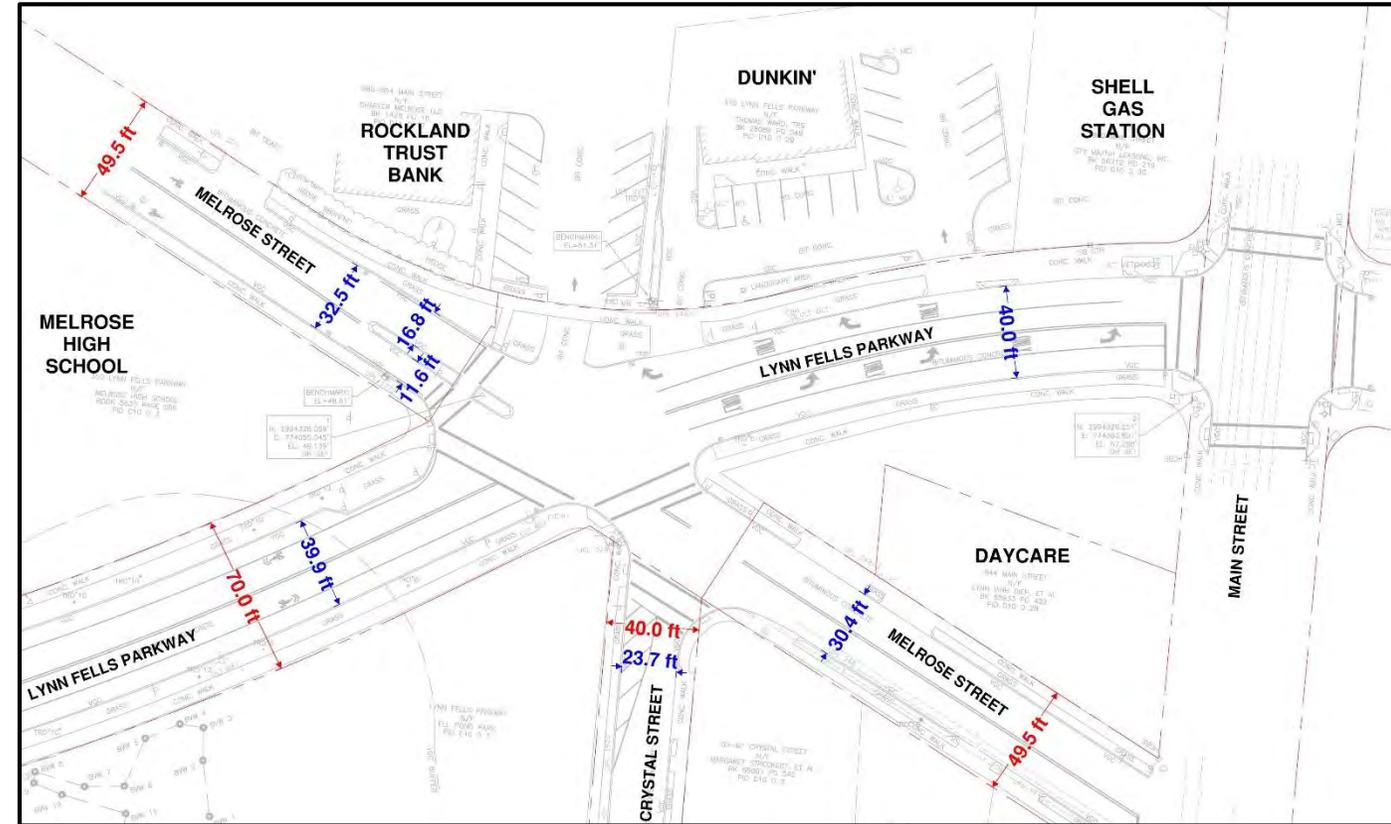


Crash Data

- Evaluated the 5 most recent years: 2015-2019
- 40 crashes at the project intersection (an average of 8 crashes per year)
 - 7 injury crashes (18%), no fatalities
 - Manner of Collision:
 - *Angle – 32 crashes (80%)*
 - *Rear-End – 5 crashes (12.5%)*
 - *Sideswipe (same direction) – 3 crashes (7.5%)*
 - 9 occurred under wet roadway conditions, 1 occurred under slushy conditions
 - No crashes involved pedestrians or bicyclists
- Crash Rate: 1.18 crashes per million entering vehicles (MEV)
 - *District & Statewide average crash rates for unsignalized intersections: 0.57 crashes/MEV*

Design Challenges

- Integrating the Crystal Street approach into the design
- Reconfiguring the retail/commercial driveways
- Accommodating new bicycle facilities
- Incorporating all approaches and turning movements into an efficient signal phasing plan if signalized
- Coordinating the traffic signal with the adjacent traffic signals if signalized



Additional Information

For more information:

- www.mass.gov/dcr/past-public-meetings
- www.mass.gov/dcr-projects

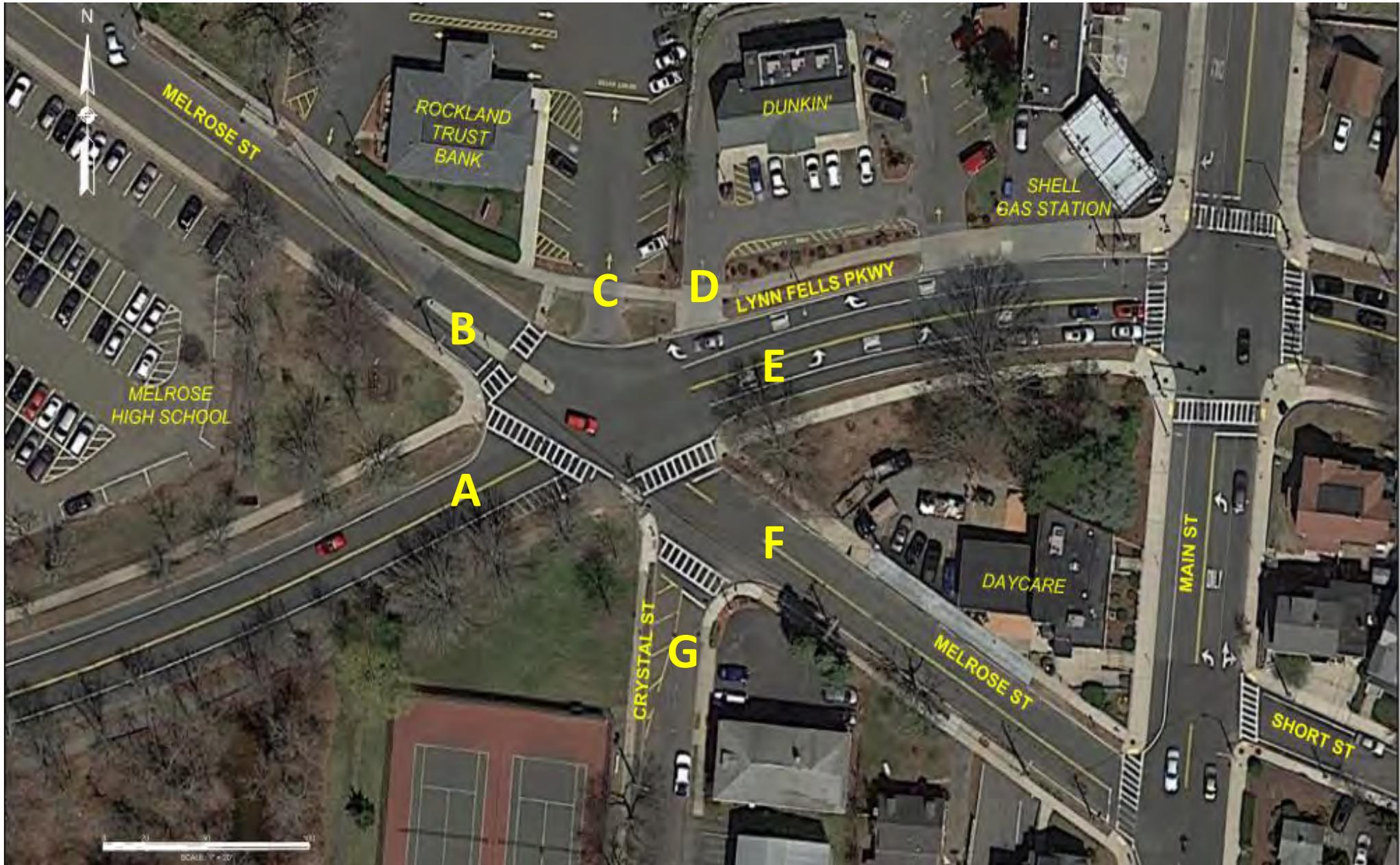
If you have comments or suggestions on this project:

- *Submit online:* www.mass.gov/dcr/public-comment
- *Deadline:* *Wednesday, January 6, 2021*

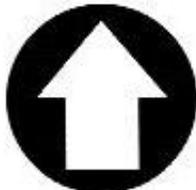
Please note: the contents of comments submitted to DCR, including your name, town and zipcode, will be posted on DCR's website. Additional contact information provided, notably email address, will only be used for outreach on future updates to the subject project or property.

If you wish to subscribe to a DCR general information or project-related

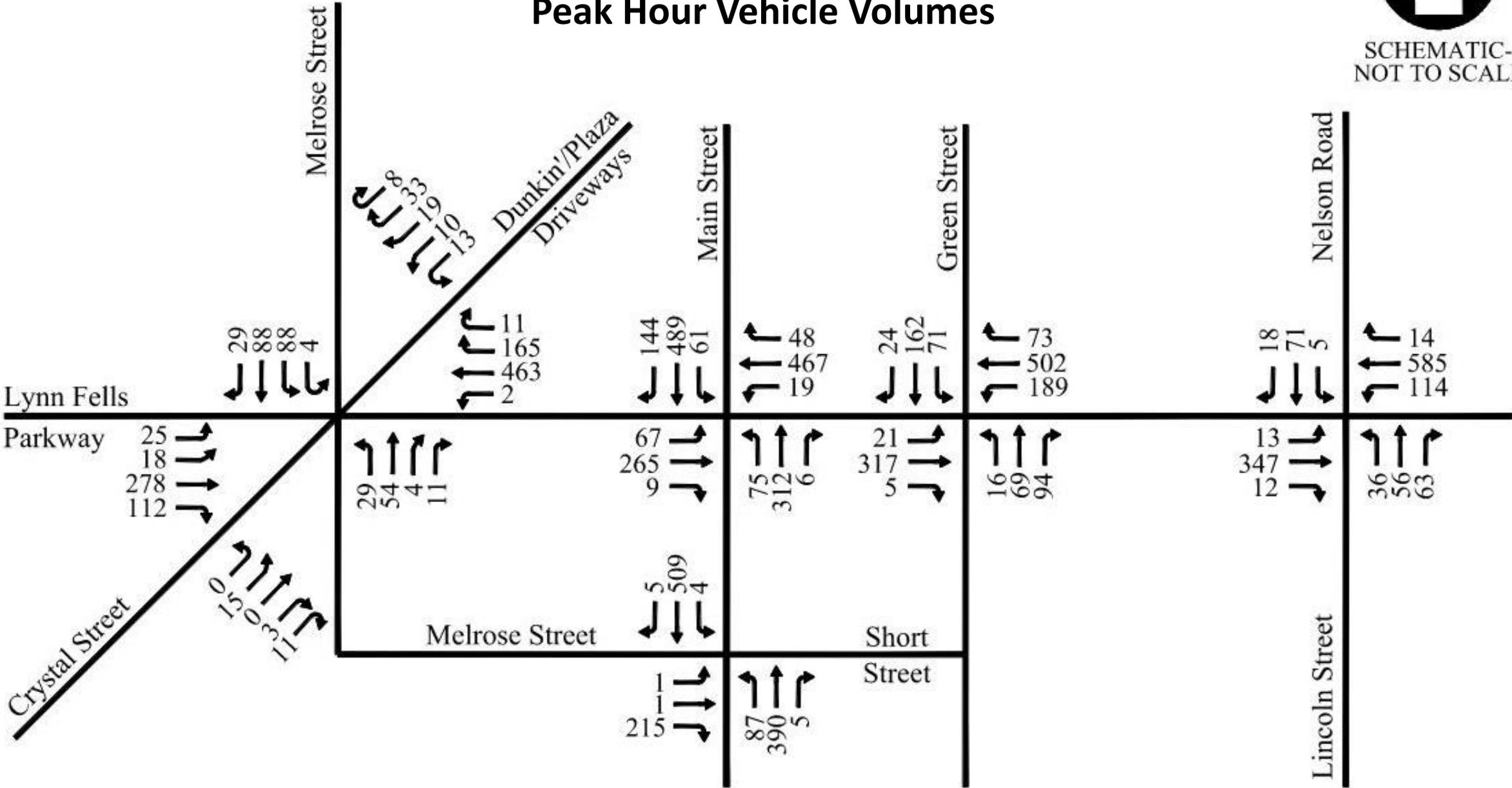
listserv: contact DCR's Office of Community Relations at 617-626-4973 or Mass.Parks@mass.gov.



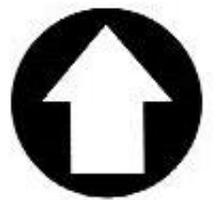
2019 Existing Weekday Morning Peak Hour Vehicle Volumes



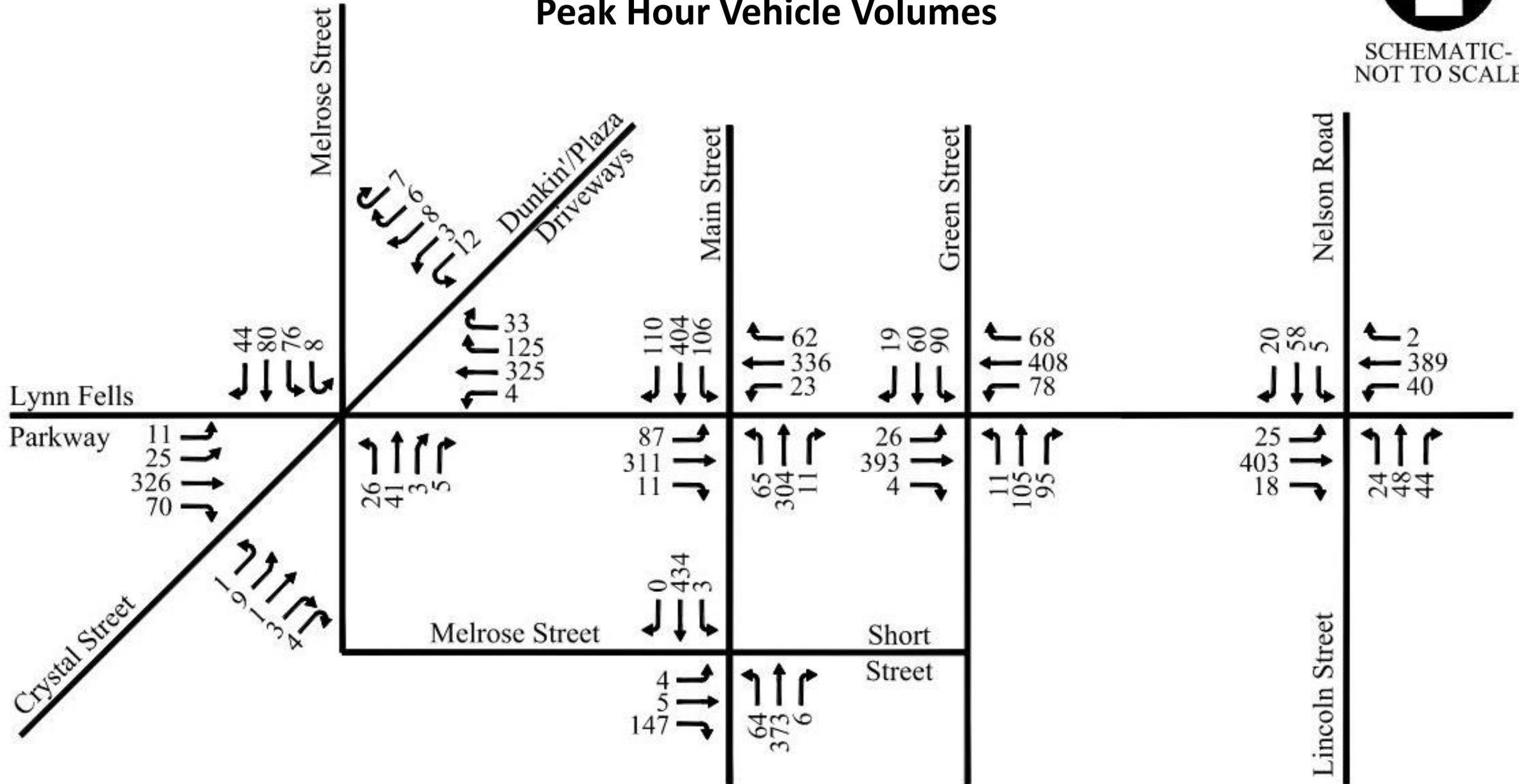
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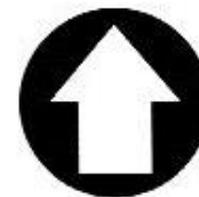
2019 Existing Weekday School-Release Peak Hour Vehicle Volumes



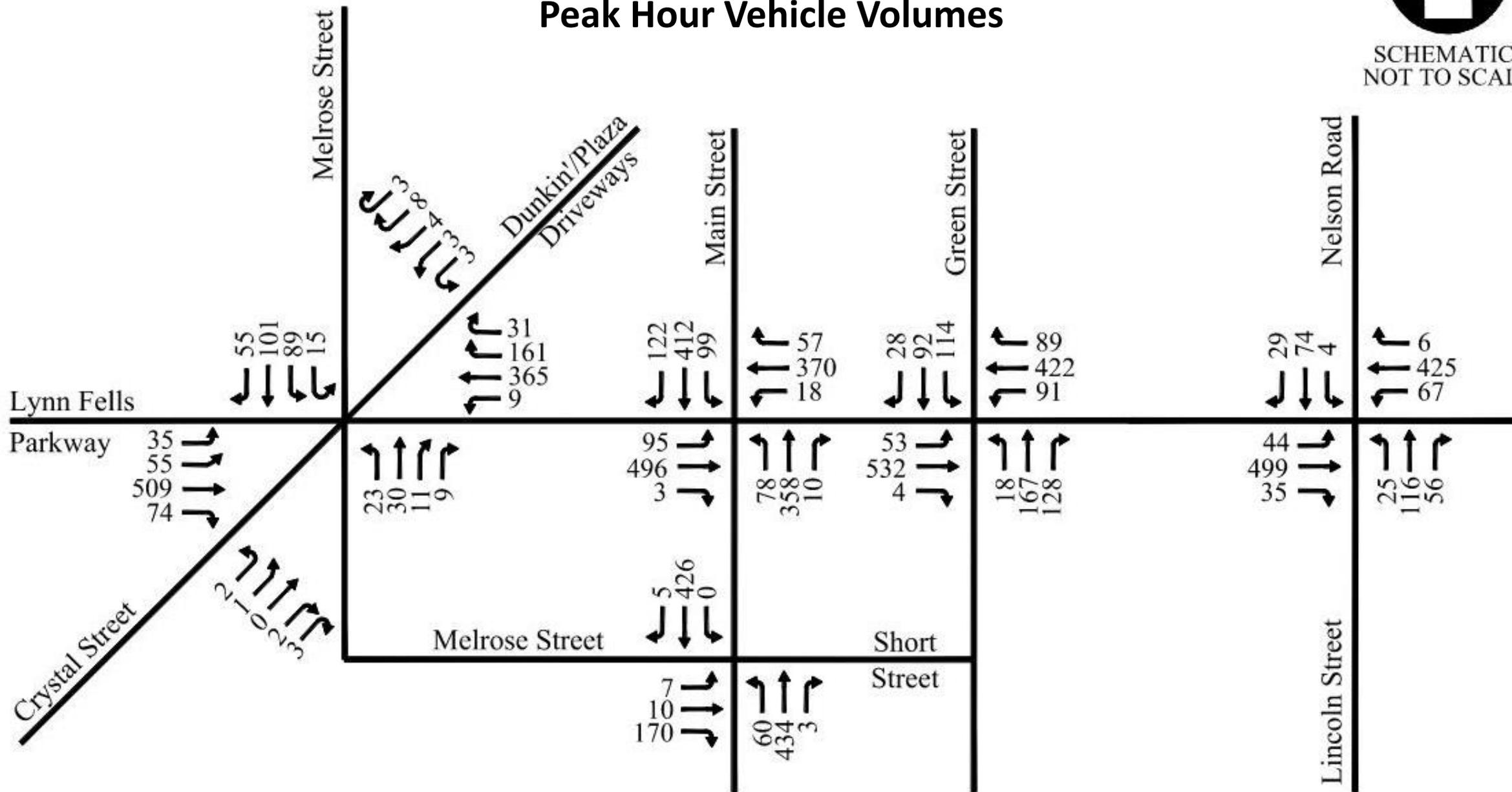
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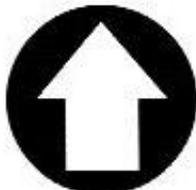
2019 Existing Weekday Evening Peak Hour Vehicle Volumes



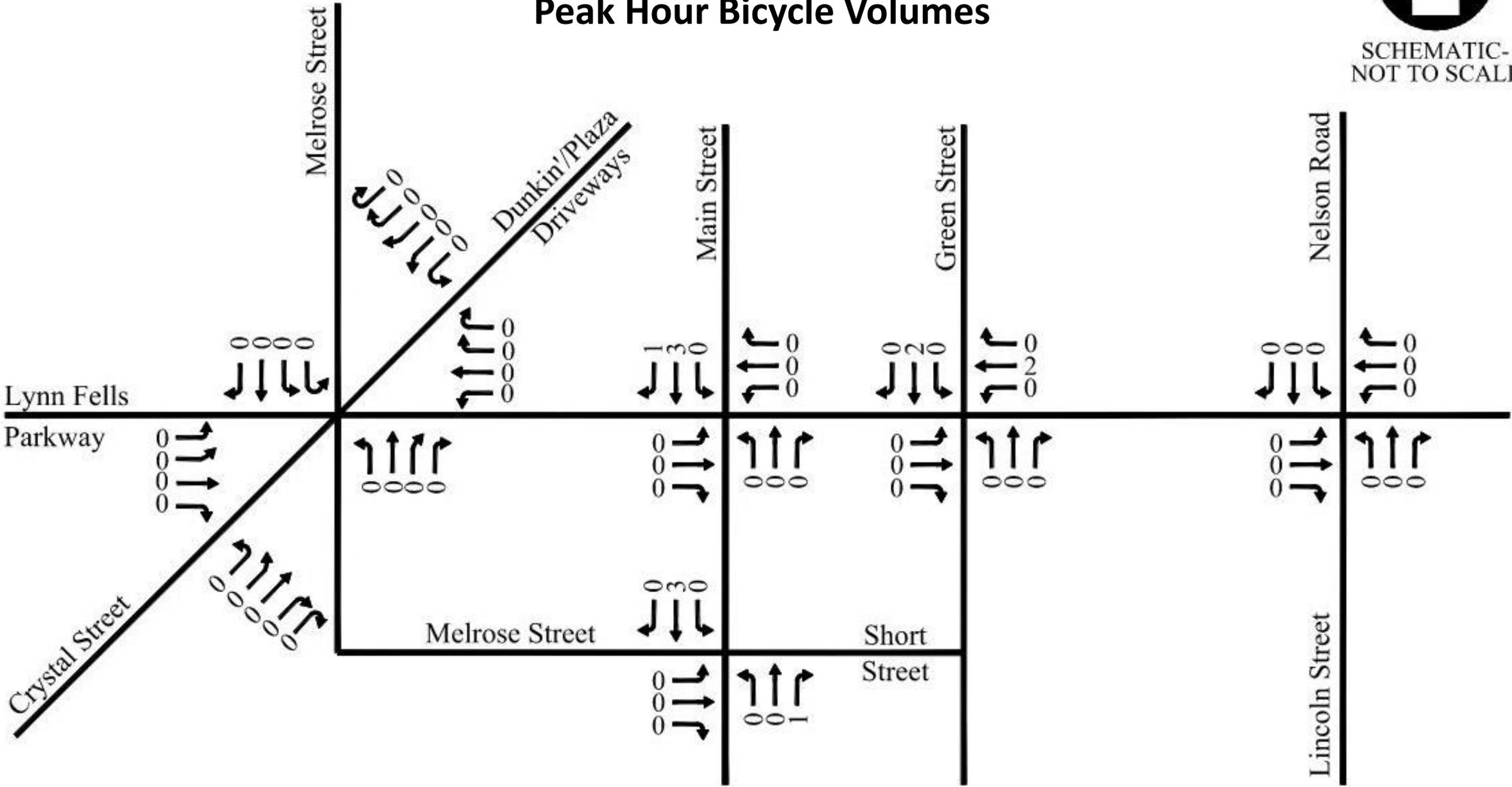
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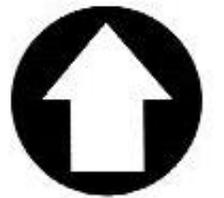
2019 Existing Weekday Morning Peak Hour Bicycle Volumes



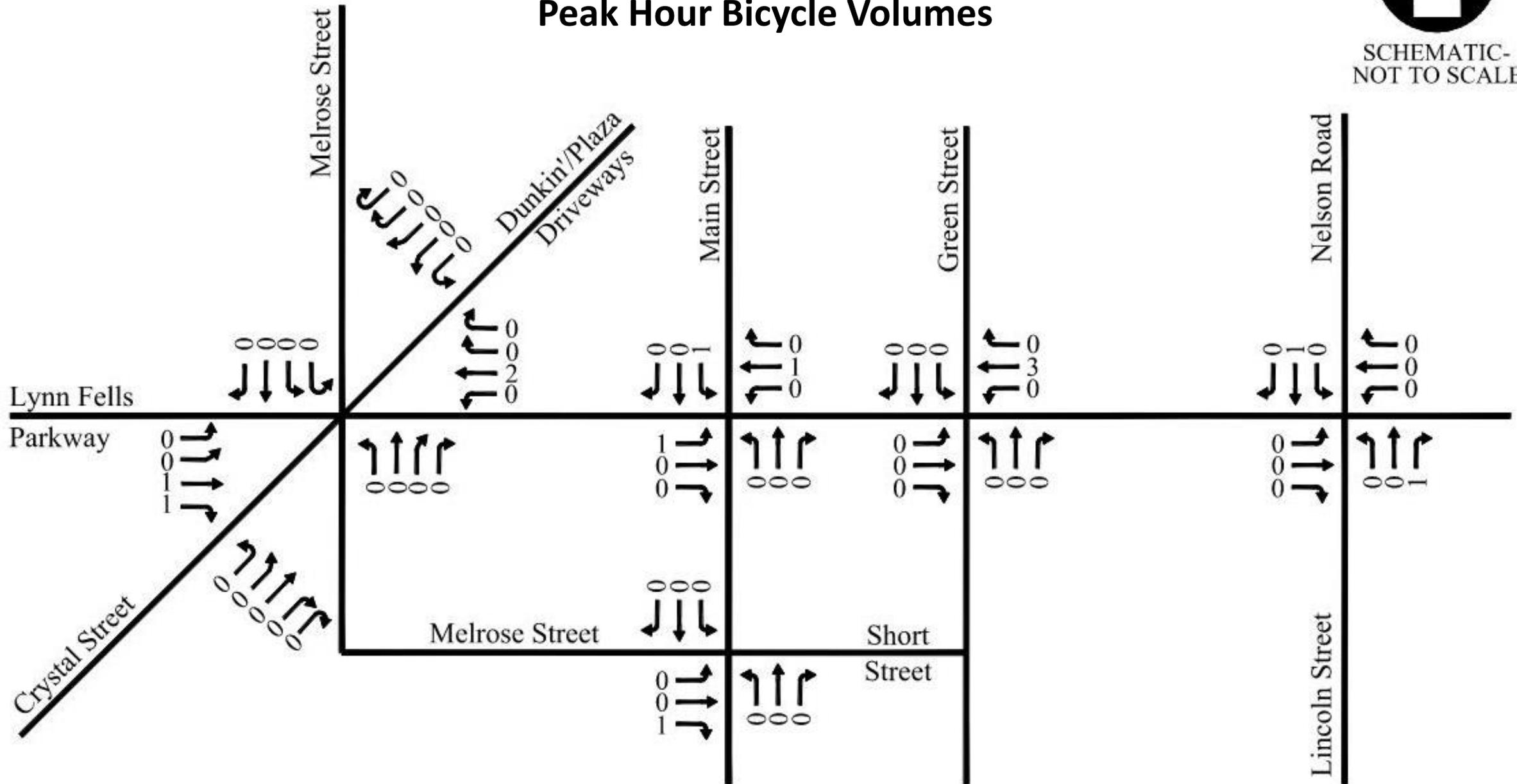
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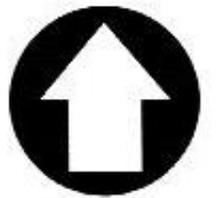
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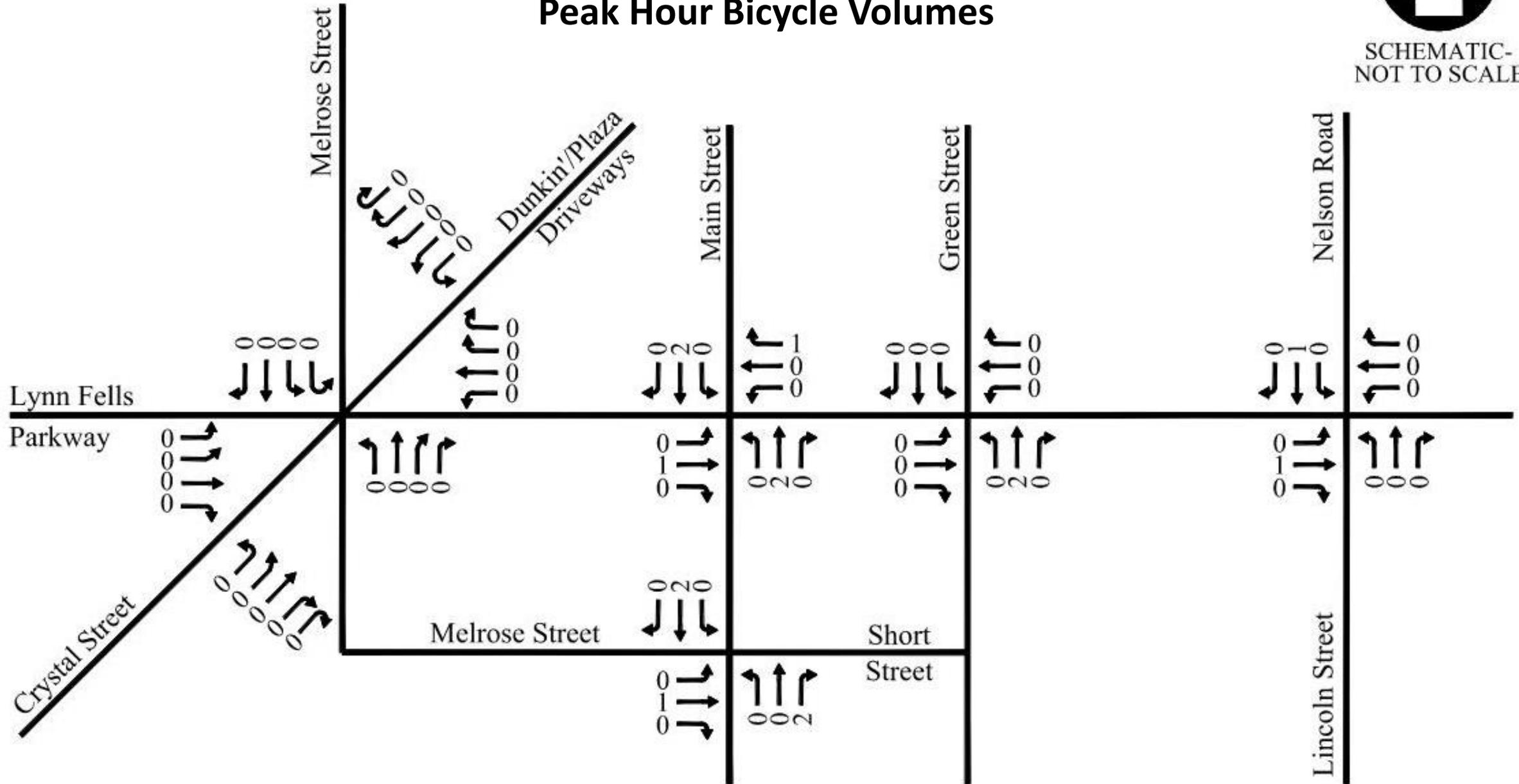
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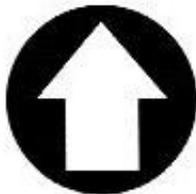
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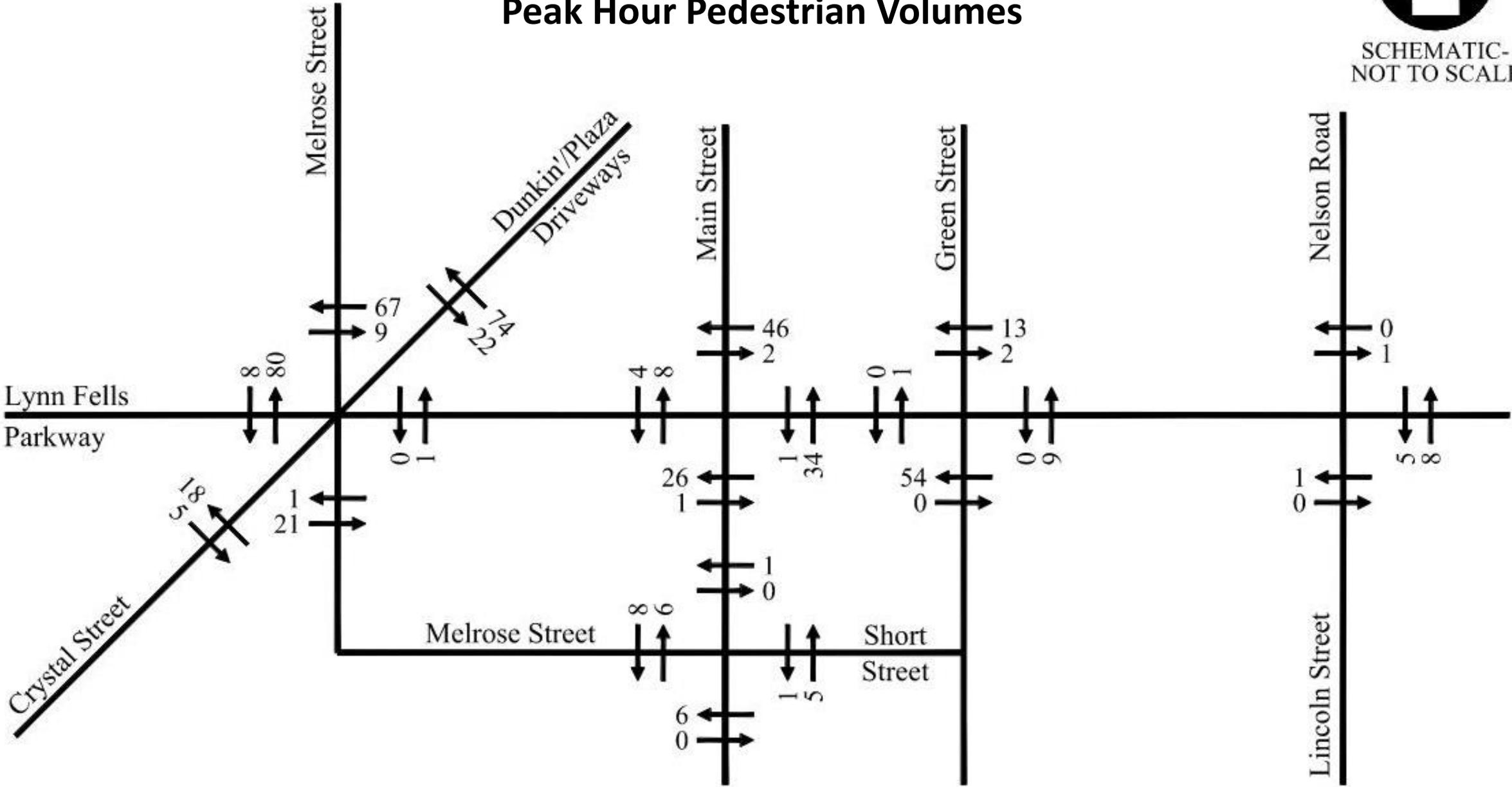
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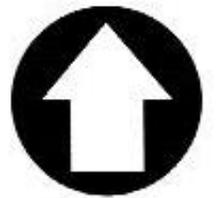
2019 Existing Weekday Morning Peak Hour Pedestrian Volumes



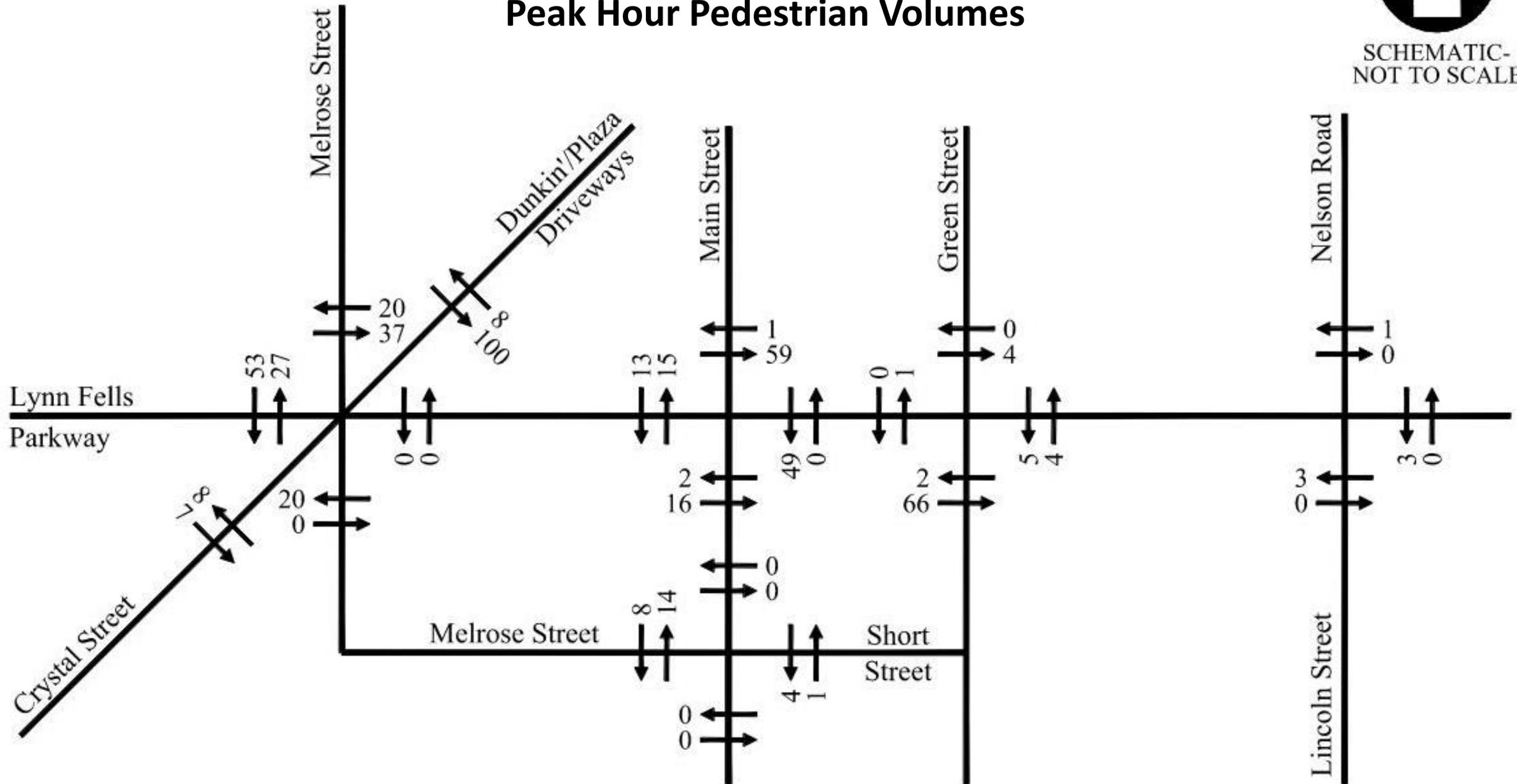
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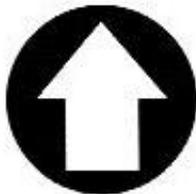
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2019 Existing Weekday Evening Peak Hour Pedestrian Volumes



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