

# SPRINGFIELD GARDENS/SOUTH JAMAICA

## TRANSPORTATION STUDY

KICK-OFF PUBLIC MEETING – MAY 21, 2018



# OVERVIEW

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- ❖ **Introduction**
- ❖ **Goal & Objectives**
- ❖ **Study Area Boundaries**
- ❖ **Organization and Methodology**
- ❖ **Next Steps**
- ❖ **Questions and Answers**

# STUDY GOAL & OBJECTIVES

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## **STUDY GOAL:**

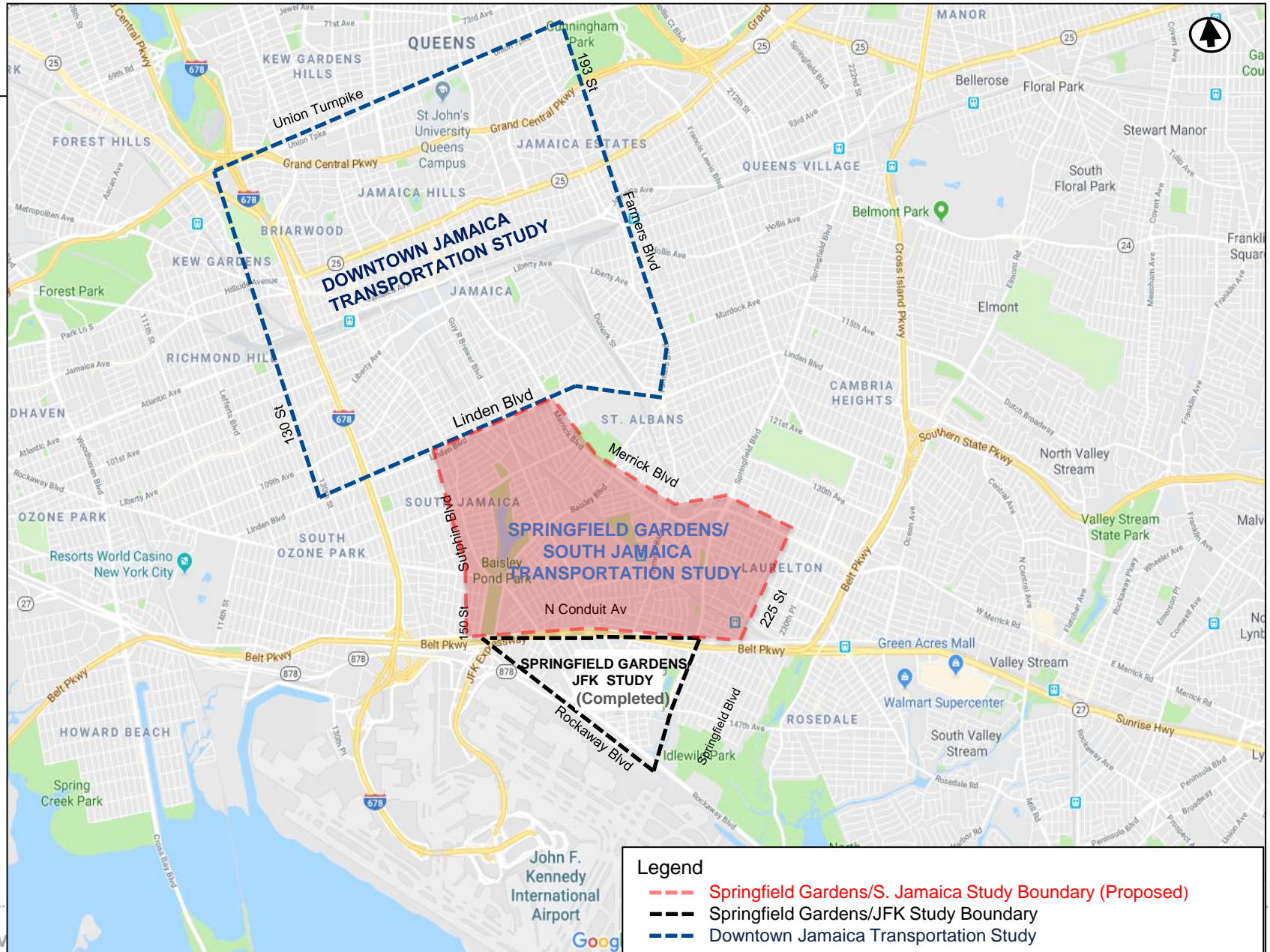
- To assess the existing and future traffic and transportation conditions and make recommendations to improve traffic operations and quality of life.

## **STUDY OBJECTIVES:**

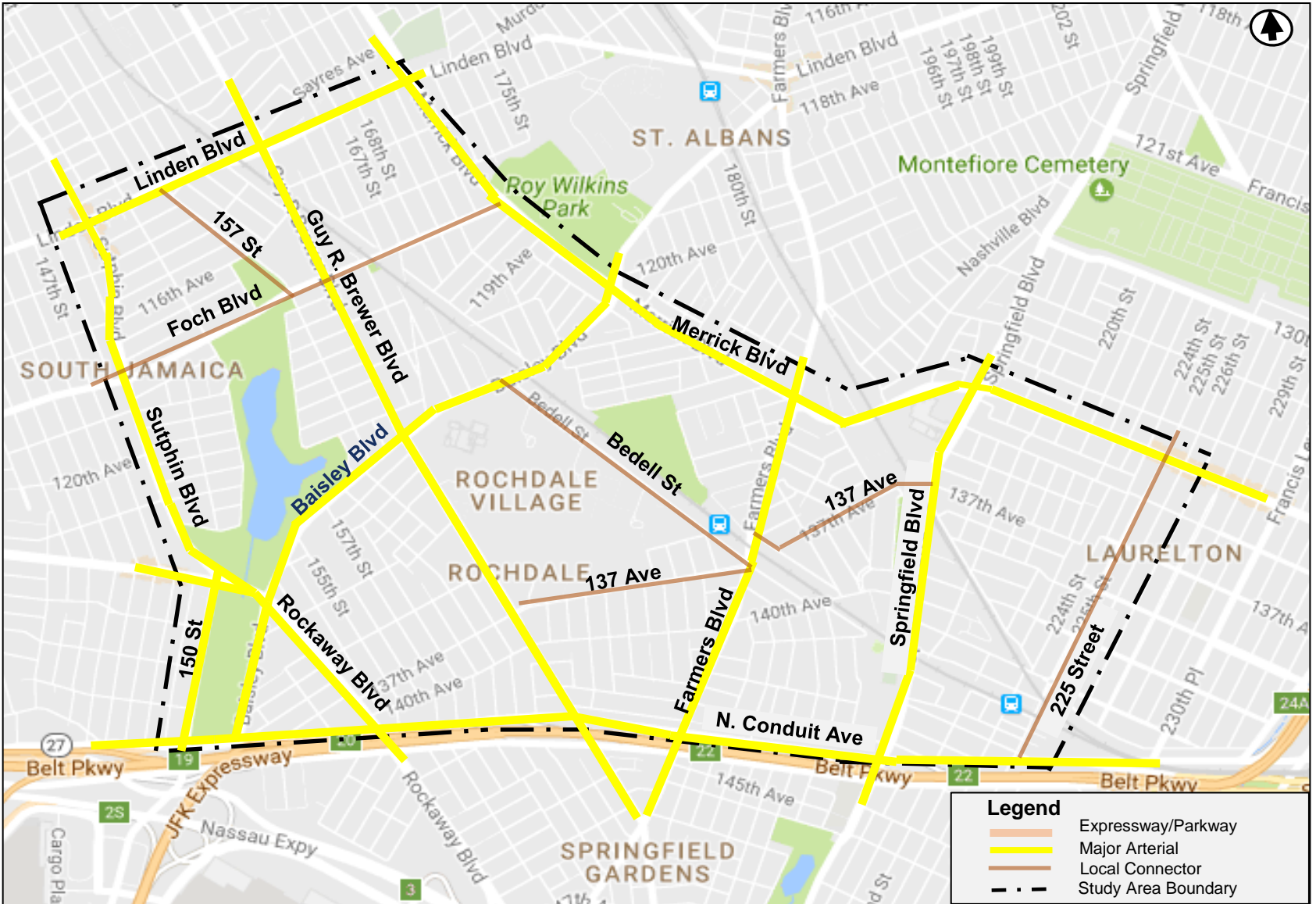
- Identify and define problems taking into consideration community concerns.
- To forecast 2027 traffic conditions to satisfy future travel demand and needs.
- Develop improvement measures to address congestion, travel time, and safety for all street users.



# STUDY AREA(S) IN REGIONAL SETTING

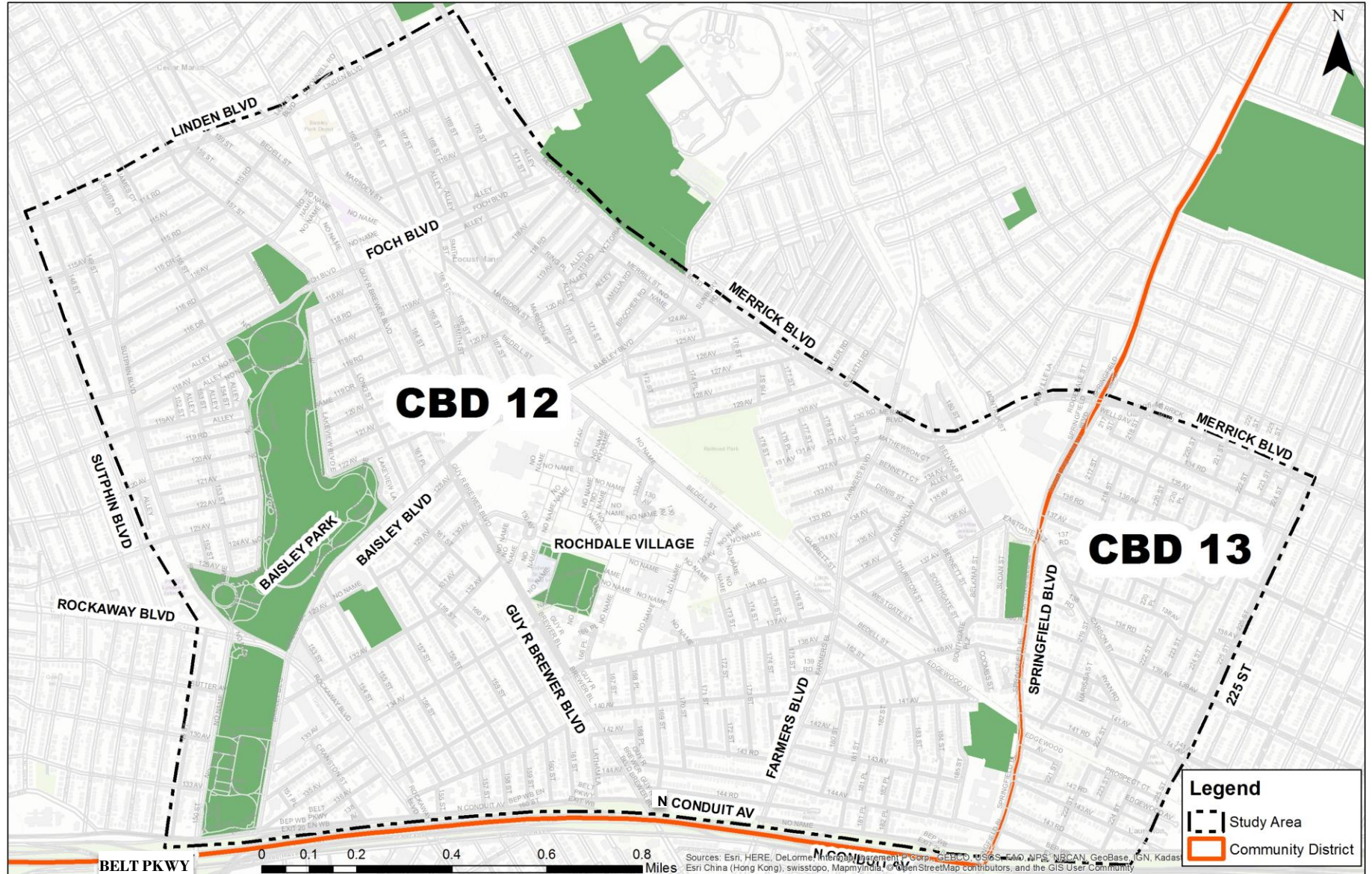


# STUDY AREA BOUNDARY AND ARTERIALS

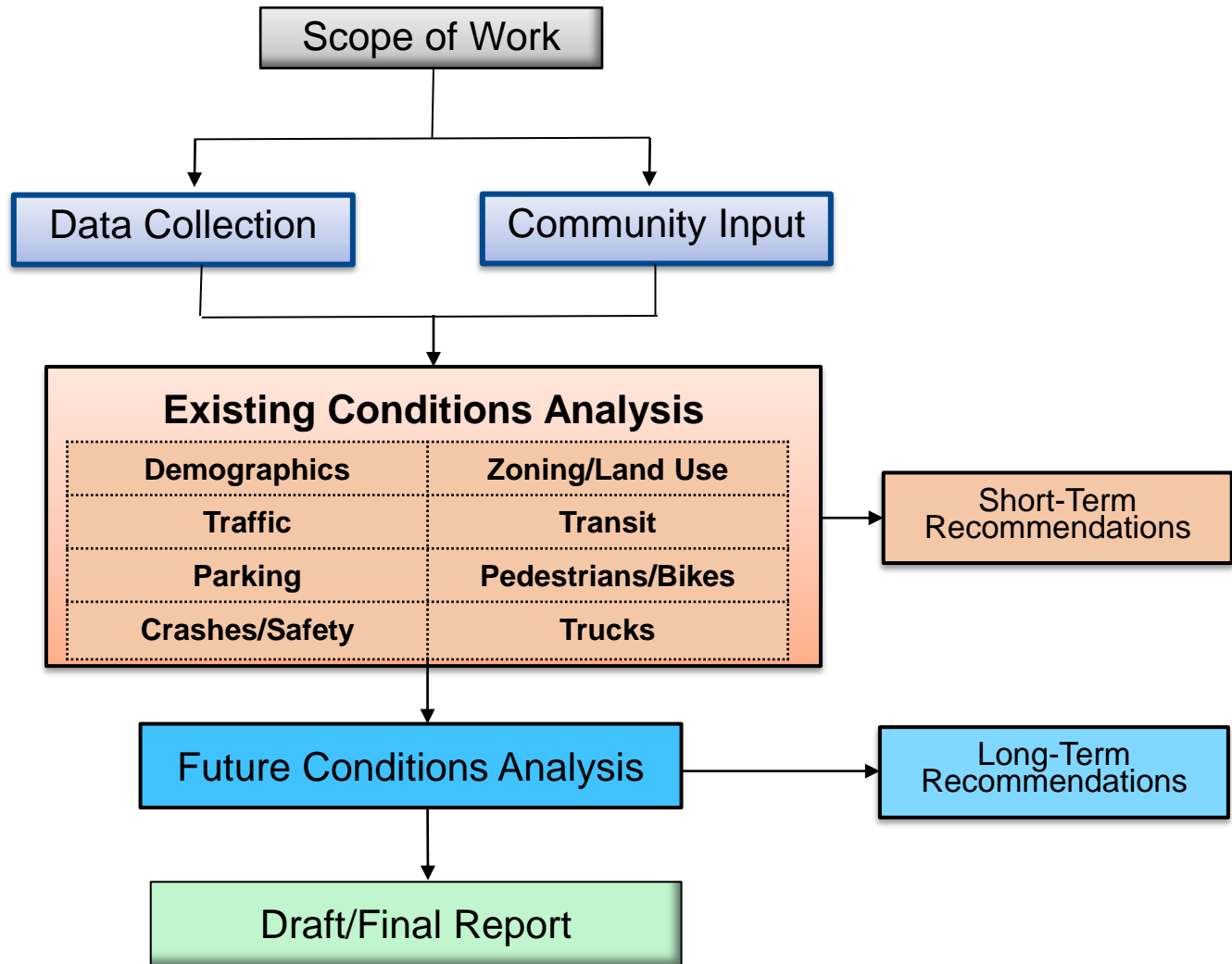




# COMMUNITY DISTRICTS



# STUDY ORGANIZATION AND METHODOLOGY



# DEMOGRAPHICS / SOCIO-ECONOMIC DATA

- ❖ Population trends
- ❖ Household size and income
- ❖ Vehicle ownership
- ❖ Journey to Work by Mode



# ZONING AND LAND USE

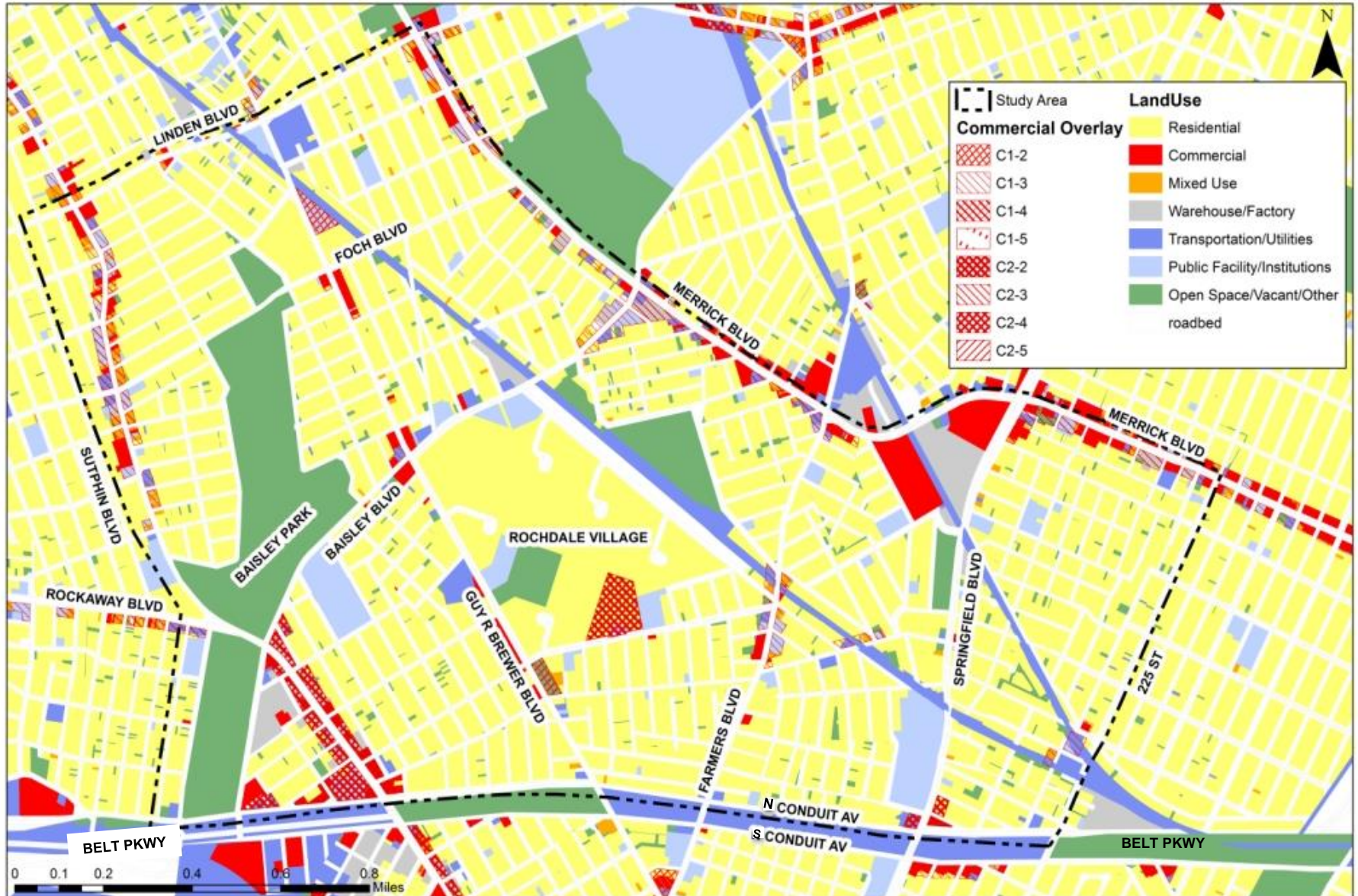
## **Zoning**

- ❖ Zoning Districts

## **Land Use**

- ❖ Residential, Commercial and Industrial
- ❖ Institutions/Community Facilities
- ❖ Major Trip Generators

# EXISTING LAND USE



# TRAFFIC ANALYSIS

## **Traffic Data Collection**

- ❖ Automatic Traffic Recorders (ATRs)
- ❖ Manual Turning Movement & Classification counts (Vehicular, cyclist & pedestrian)
- ❖ Travel time/speeds

## **Street inventory**

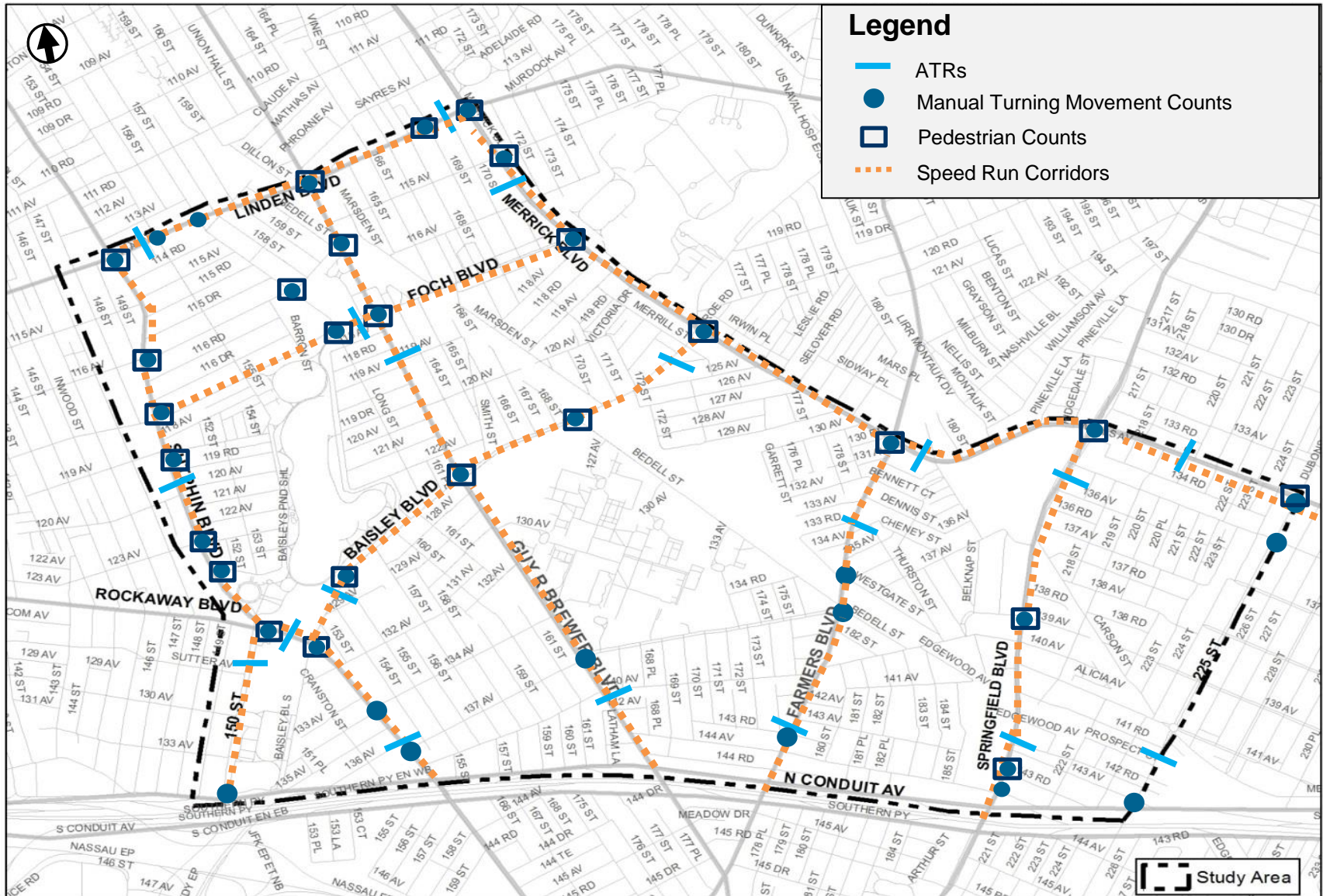
## **Traffic controls/Signal timing**

## **Traffic Capacity (LOS) Analysis**

- ❖ Balance traffic volumes – AM/PM peak hours
- ❖ HCS-SYNCHRO methodology for LOS analysis



# TRAFFIC DATA COLLECTION PLAN



# TRUCKS / GOODS MOVEMENT



# CRASHES / SAFETY ANALYSIS

- ❖ Crash history (most recent 5 years)
- ❖ Crash types, frequency, severity, fatalities
- ❖ High crash locations
- ❖ Vision Zero Corridors/intersections



# PARKING ANALYSIS

## **On Street Parking**

- ❖ Parking Regulations
- ❖ Parking Capacity and Utilization
- ❖ Cost

## **Off Street Parking**

- ❖ Lots/Garages
- ❖ Capacity and Utilization
- ❖ Cost

# PUBLIC TRANSPORTATION / TRANSIT

## **Transit Network:**

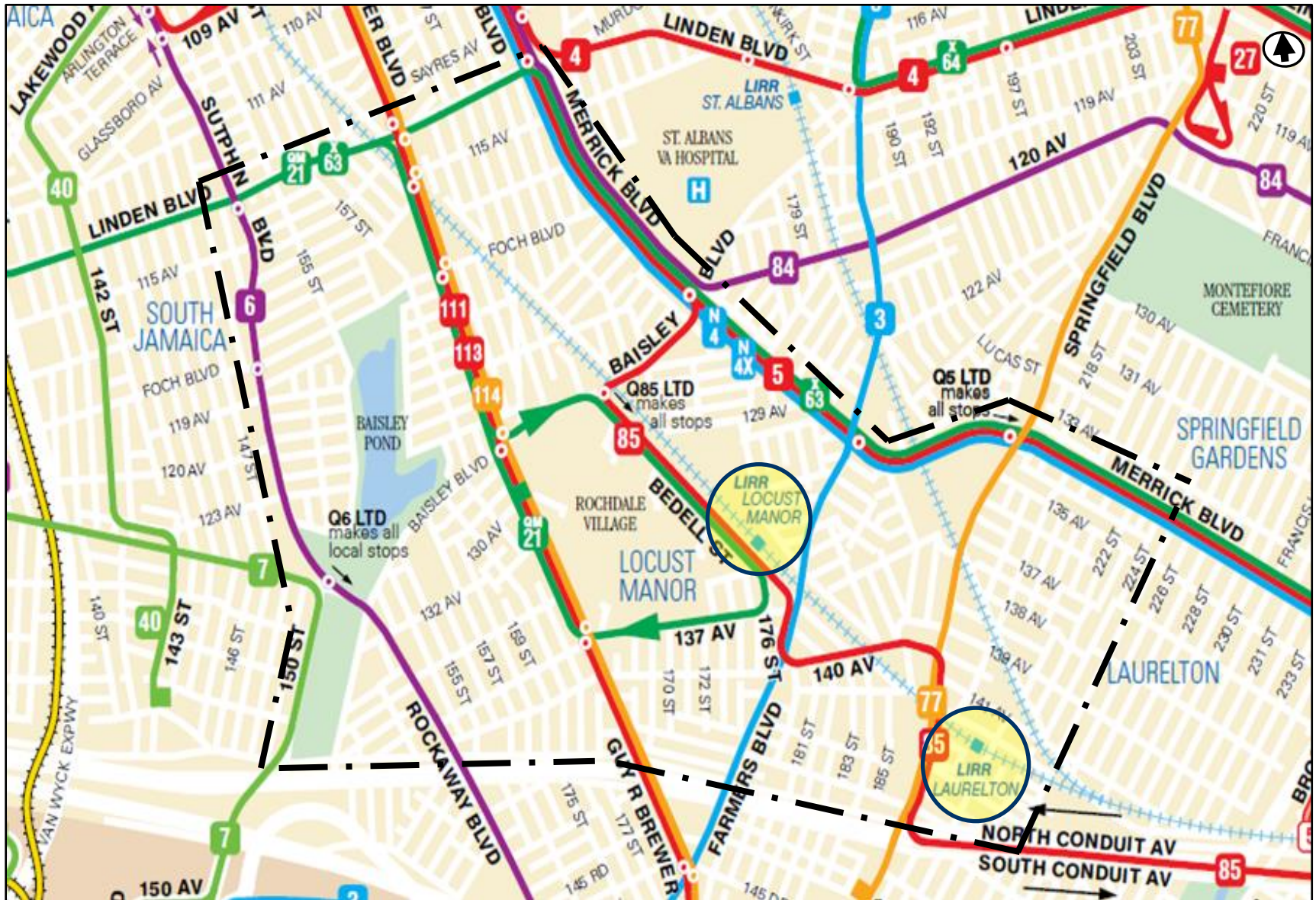
### ❖ Buses:

- Bus routes, frequency, stops, transfer points
- Ridership data, travel time
- Selected Bus Services (SBS)

### ❖ Commuter Rail

### ❖ Commuter vans, livery/taxi, Uber

# TRANSIT NETWORK (BUS & RAIL)





# NEXT STEPS

- ❖ Existing Condition Analysis/Short-Term Recommendations
- ❖ TAC #2 / Public Meeting #2
- ❖ Future Condition Analysis/Long-Term Recommendations
- ❖ TAC #3 / Public Meeting #3
- ❖ Draft/Final Report
- ❖ Implementation

# THANK YOU!

Questions?

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## DOT Web Portal:

<http://nycdotfeedbackportals.nyc.gov/springfield-gardens-south-jamaica-study/springfield-gardenssouth-jamaica>



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