# STREETCAR SEGMENT PROFILES – PHASE 2

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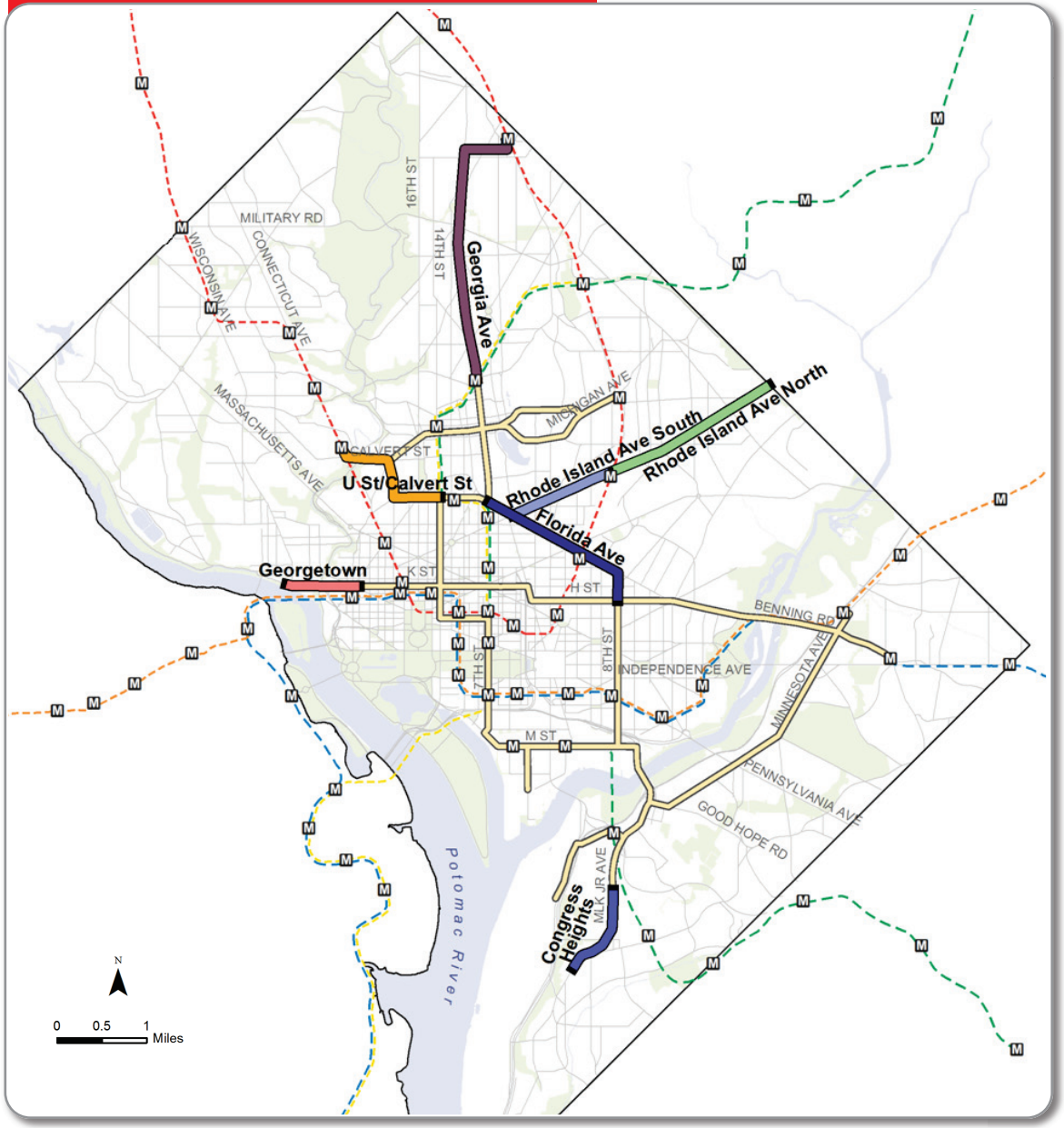
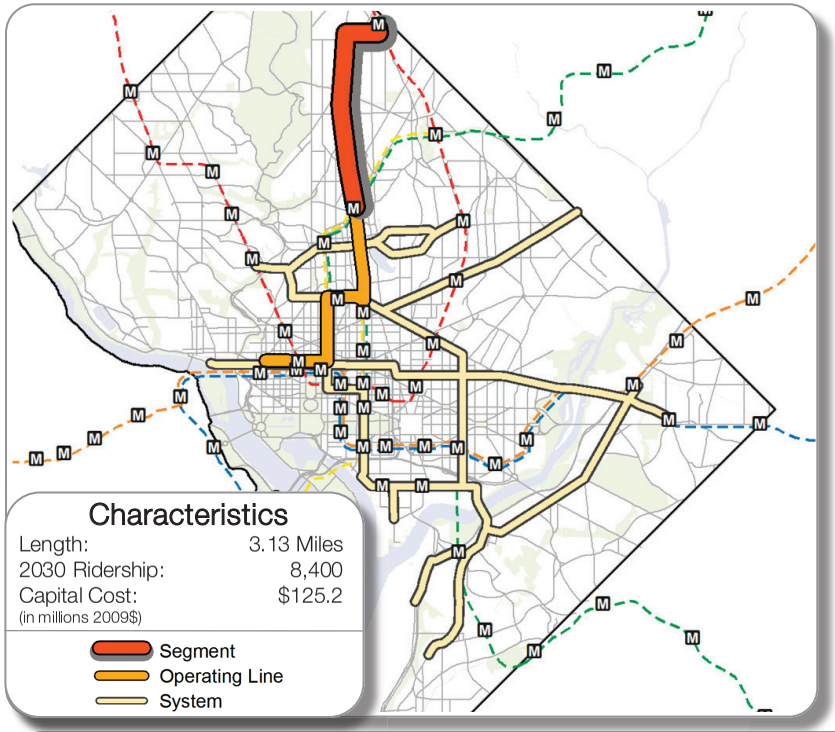
## Phase 2 Streetcar Segments



# Georgia Avenue



## Characteristics

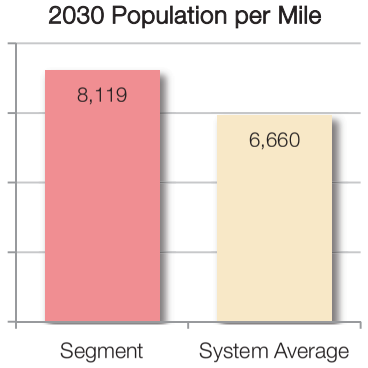
| | |
|---|---|
| Length: | 3.13 Miles |
| 2030 Ridership: | 8,400 |
| Capital Cost: (in millions 2009$) | $125.2 |

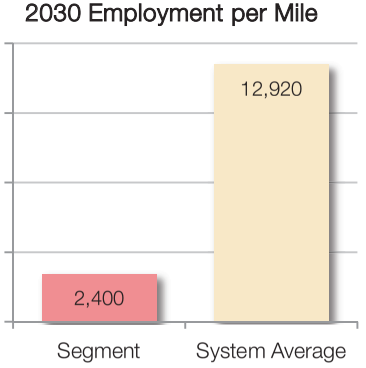
Segment
Operating Line
System

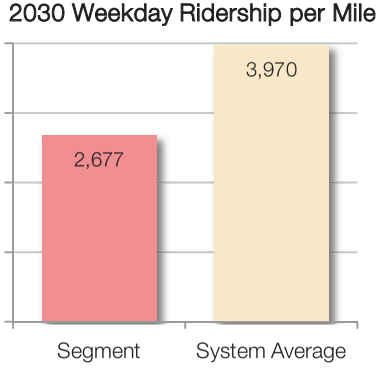
Low
Medium
High

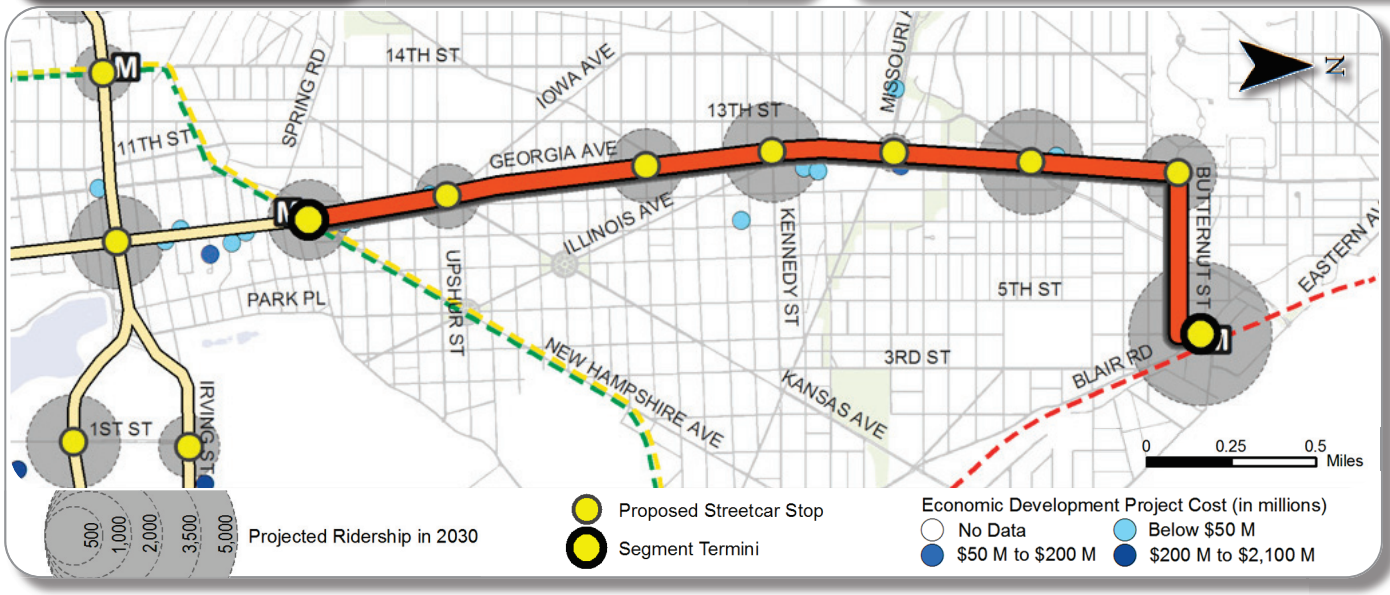
## Performance Against Goals

- Goal 1 - Access and Mobility Measures
- Goal 2 - Community and Economic Development Measures
- Goal 3 - System Performance
- Goal 4 - Environmental Quality
- Overall



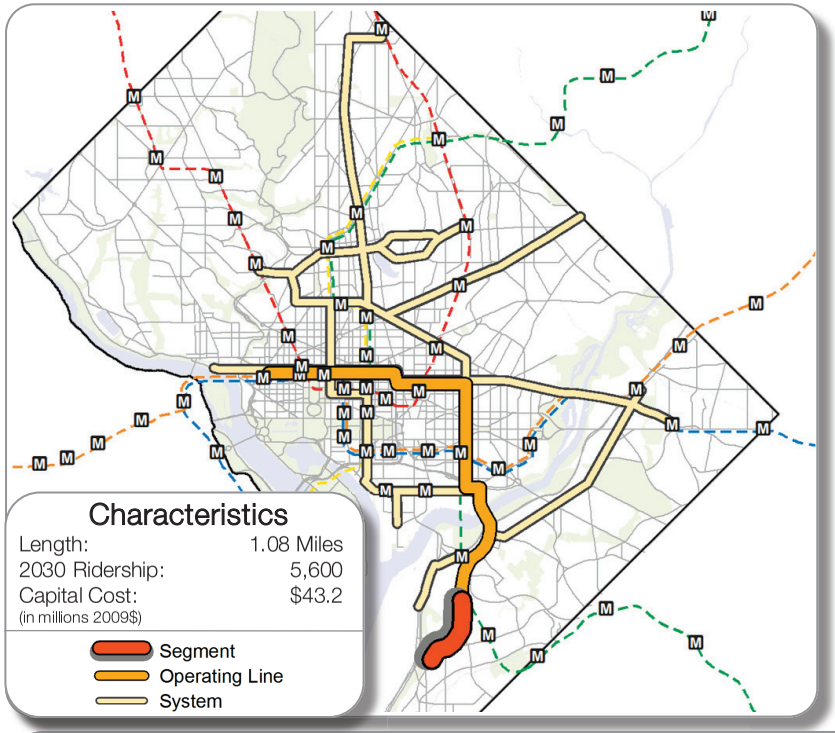

## Key Strengths

- Projected ridership of 8,000 daily boardings or nearly 3,000 daily boardings per mile
- Serves high bus ridership corridor and increases corridor transit capacity by 113%
- Located along a Great Street corridor serving strategic neighborhoods, planning initiatives, and Walter Reed redevelopment
- Serves neighborhoods that are not well served by existing Metrorail system

## Segment Termini

- Georgia Ave-Petworth Metrorail Station and connection to Lower Georgia Ave Streetcar
- Takoma Metrorail Station

# Congress Heights



## Characteristics

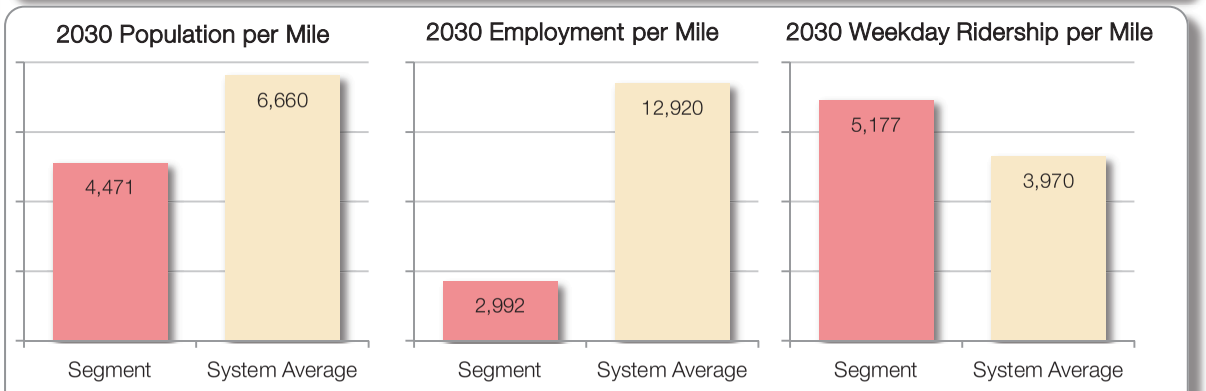
| | |
|---|---|
| Length: | 1.08 Miles |
| 2030 Ridership: | 5,600 |
| Capital Cost: (in millions 2009$) | $43.2 |

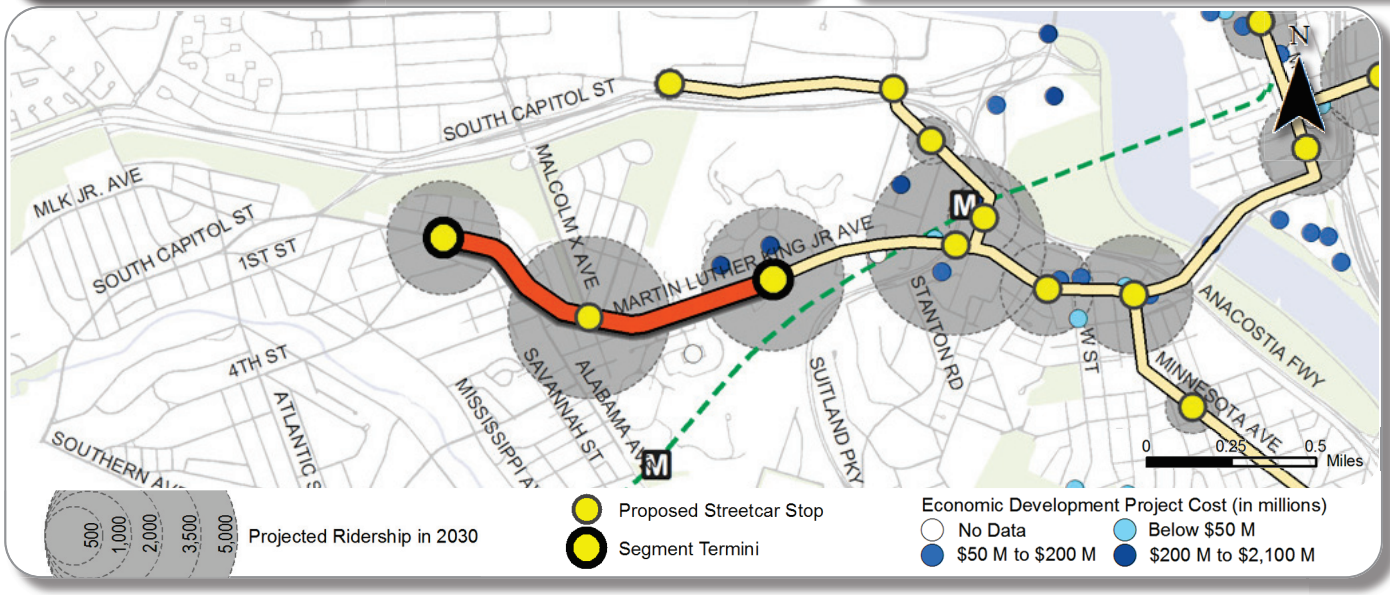
Segment
Operating Line
System

## Performance Against Goals

Low
Medium
High

| Goal 1 - Access and Mobility Measures | Goal 2 - Community and Economic Development Measures | Goal 3 - System Performance | Goal 4 - Environmental Quality | Overall |
|---|---|---|---|---|



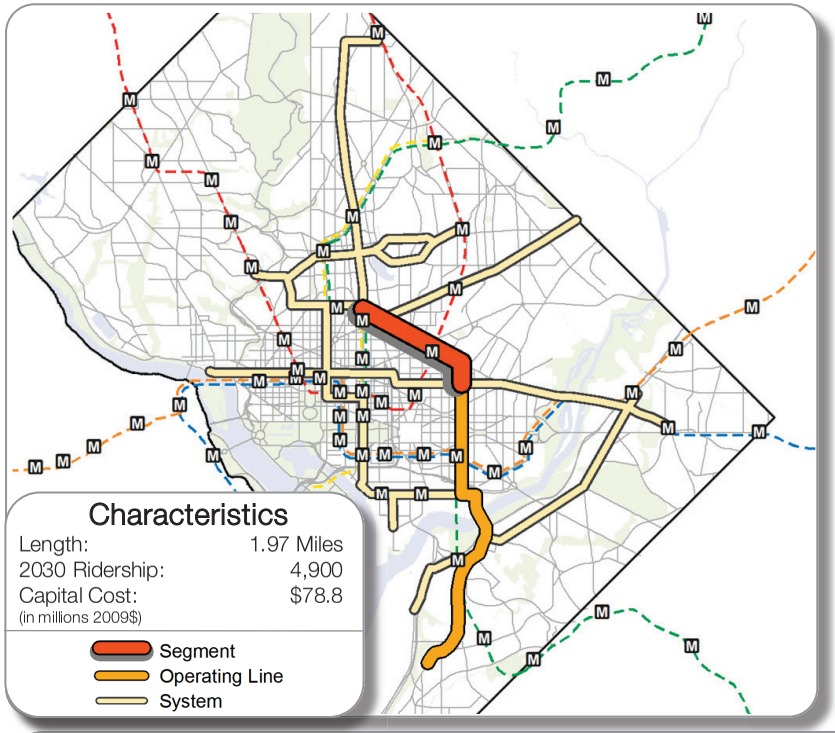

## Key Strengths

- Serves Congress Heights neighborhood and commercial activity center
- Serves St. Elizabeth Hospital site and Future DHS Headquarters Site with 14,000 new employees
- High ridership of over 5,000 daily boardings per mile
- Located along a Great Streets corridor serving planning initiatives

## Segment Termini

- St. Elizabeths Hospital Campus and Future DHS Headquarters Site
- Congress Heights commercial center

# Florida Avenue



## Characteristics

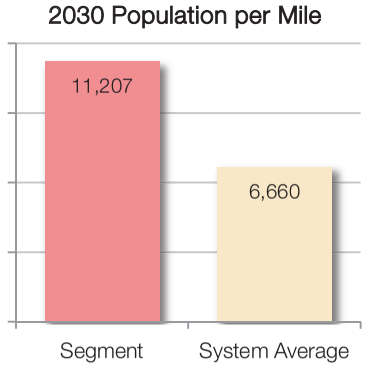
| | |
|---|---|
| Length: | 1.97 Miles |
| 2030 Ridership: | 4,900 |
| Capital Cost: (in millions 2009$) | $78.8 |

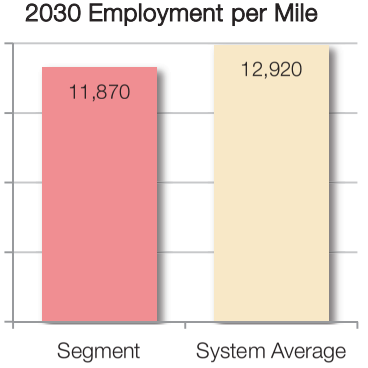
Segment
Operating Line
System

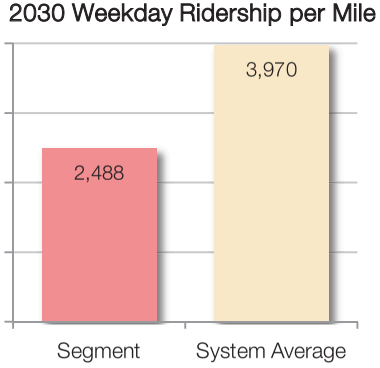
## Performance Against Goals

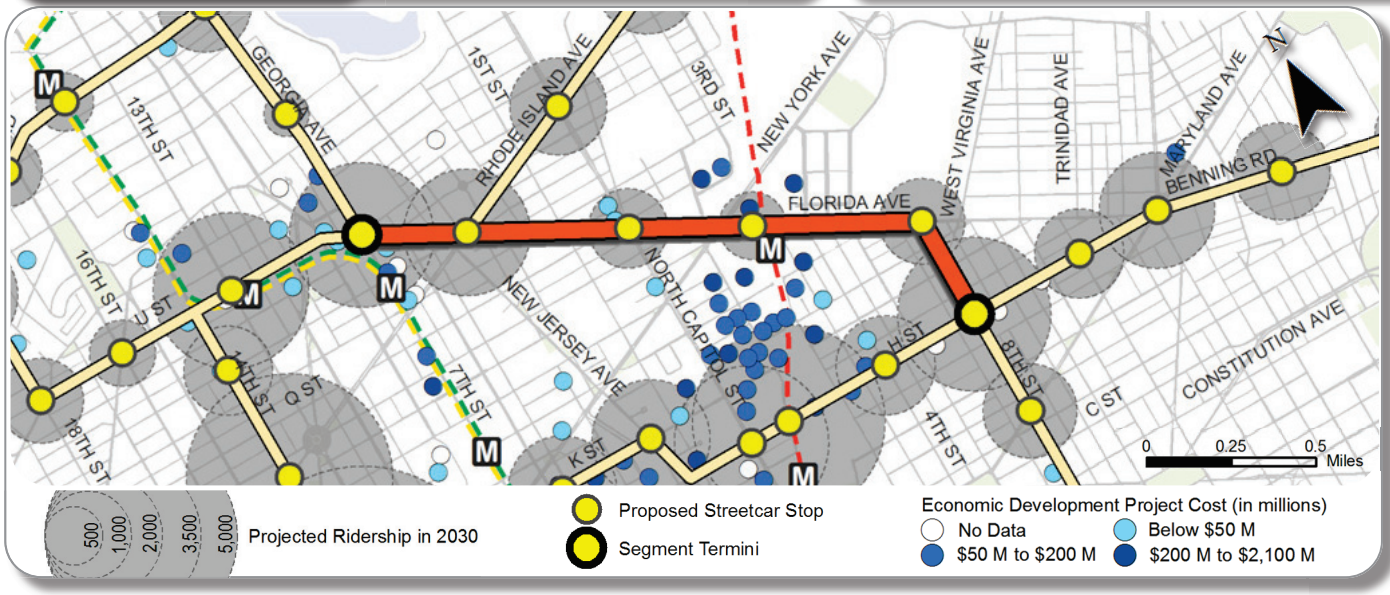
Low
Medium
High

Goal 1 - Access and Mobility Measures
Goal 2 - Community and Economic Development Measures
Goal 3 - System Performance
Goal 4 - Environmental Quality
Overall



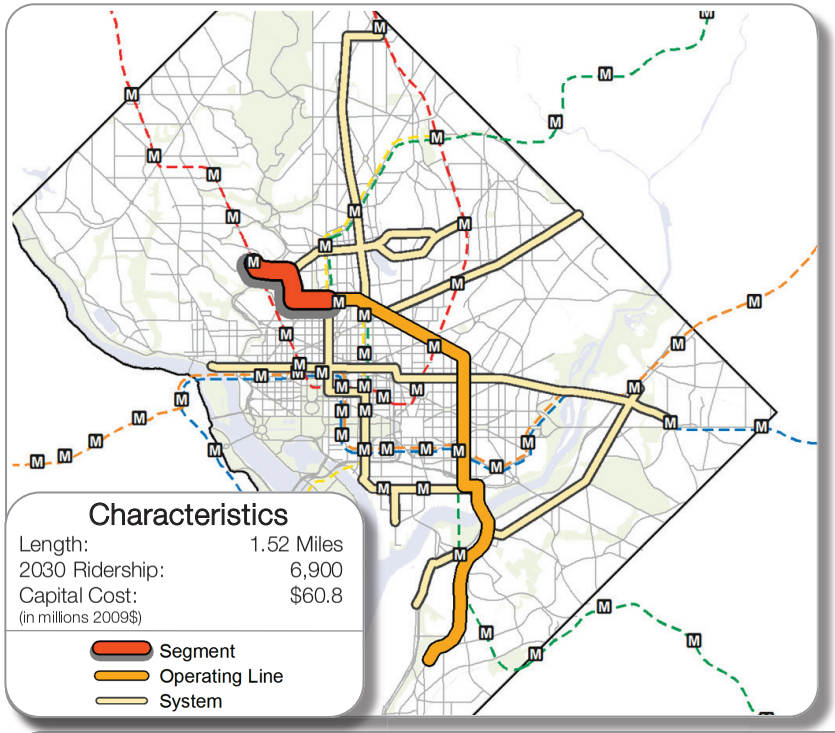

## Key Strengths

- Serves strategic neighborhoods and planning initiatives
- Reduction in transit travel time of over 40%
- Serves densely populated neighborhoods and Gallaudet University
- Serves the rapidly growing NoMa district and the New York Avenue Metrorail Station area
- Connects to three Metrorail lines and provides core capacity relief

## Segment Termini

- Georgia Avenue/ Florida Avenue/Shaw-Howard University Metrorail Station
- 8th Street/H Street commercial center

# U Street/Calvert Street



## Characteristics

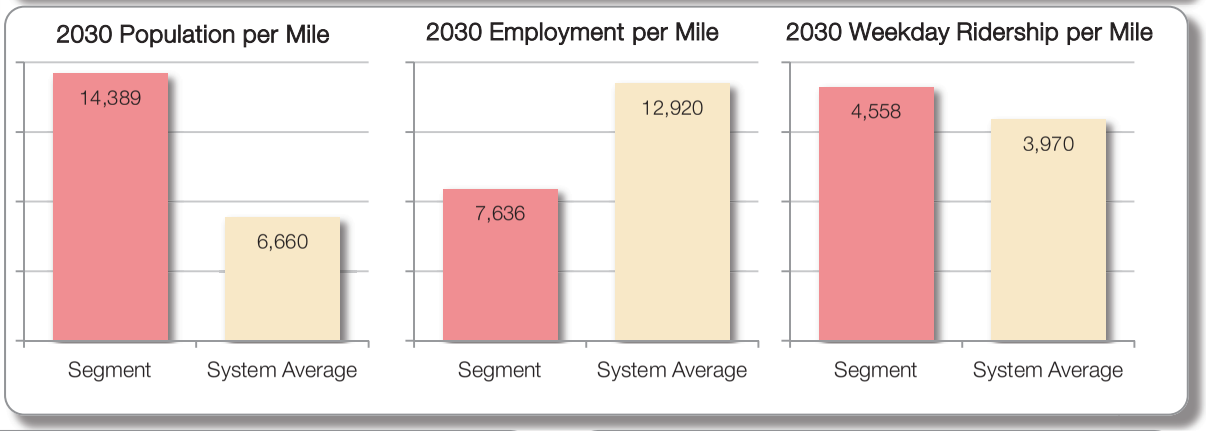
| | |
|---|---|
| Length: | 1.52 Miles |
| 2030 Ridership: | 6,900 |
| Capital Cost: (in millions 2009$) | $60.8 |

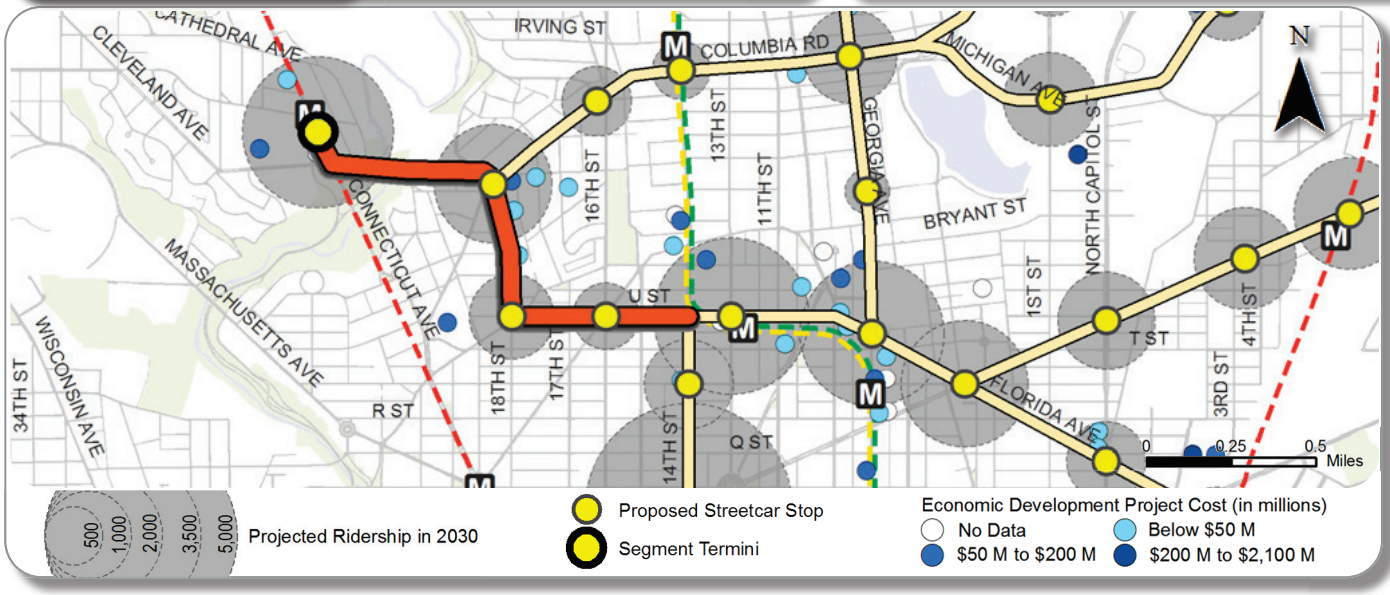
Segment
Operating Line
System

## Performance Against Goals

Low
Medium
High

| Goal 1 - Access and Mobility Measures | Goal 2 - Community and Economic Development Measures | Goal 3 - System Performance | Goal 4 - Environmental Quality | Overall |
|---|---|---|---|---|



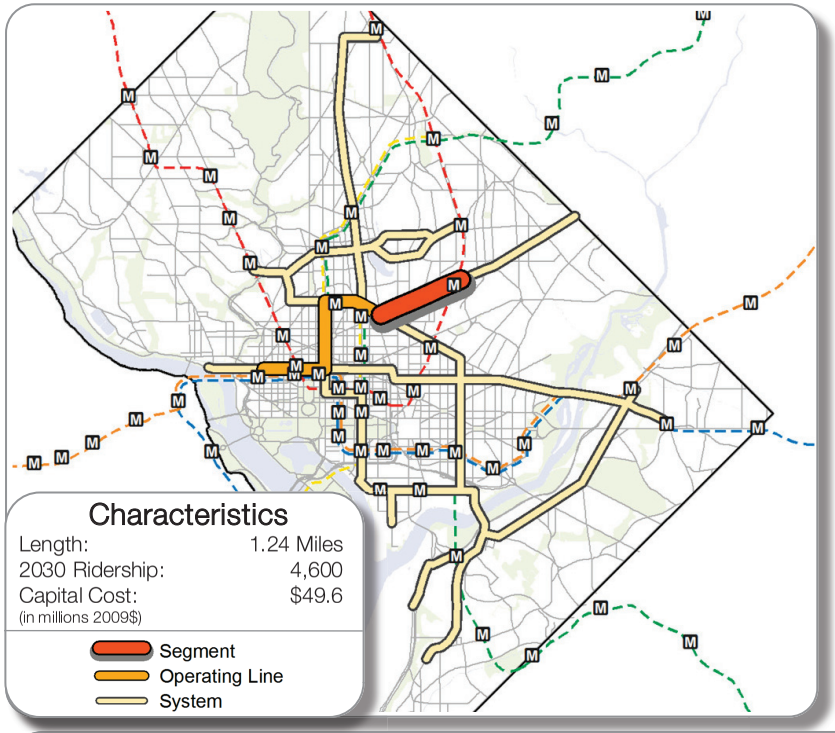

## Key Strengths

- Serves a growing population of nearly 22,000 within walking distance (2030)
- Projected ridership of over 4,500 per mile
- Serves planning initiatives and east-west transit links
- Travel time savings of over 5 minutes to major destinations
- Serves major commercial activity centers of Adams Morgan and the U Street corridor

## Segment Termini

- Woodley Park Metrorail Station
- U Street activity center and 14th Street Streetcar

# Rhode Island South



## Characteristics

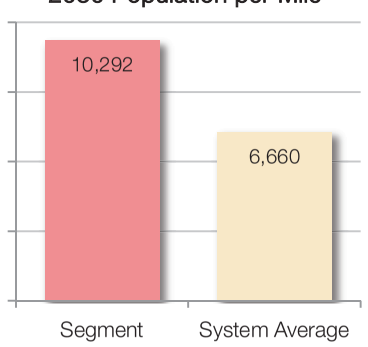
| | |
|---|---|
| Length: | 1.24 Miles |
| 2030 Ridership: | 4,600 |
| Capital Cost: (in millions 2009$) | $49.6 |

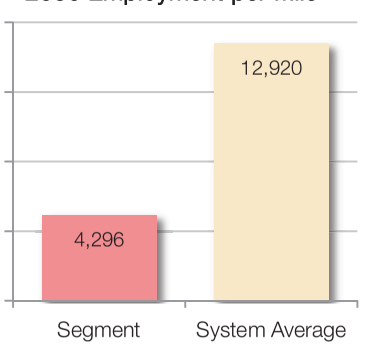
Segment
Operating Line
System

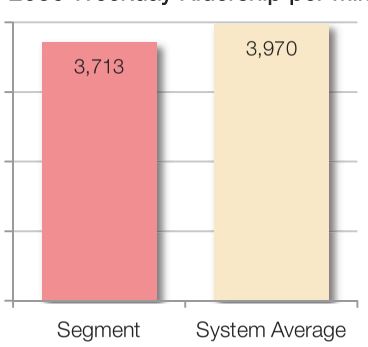
Low
Medium
High

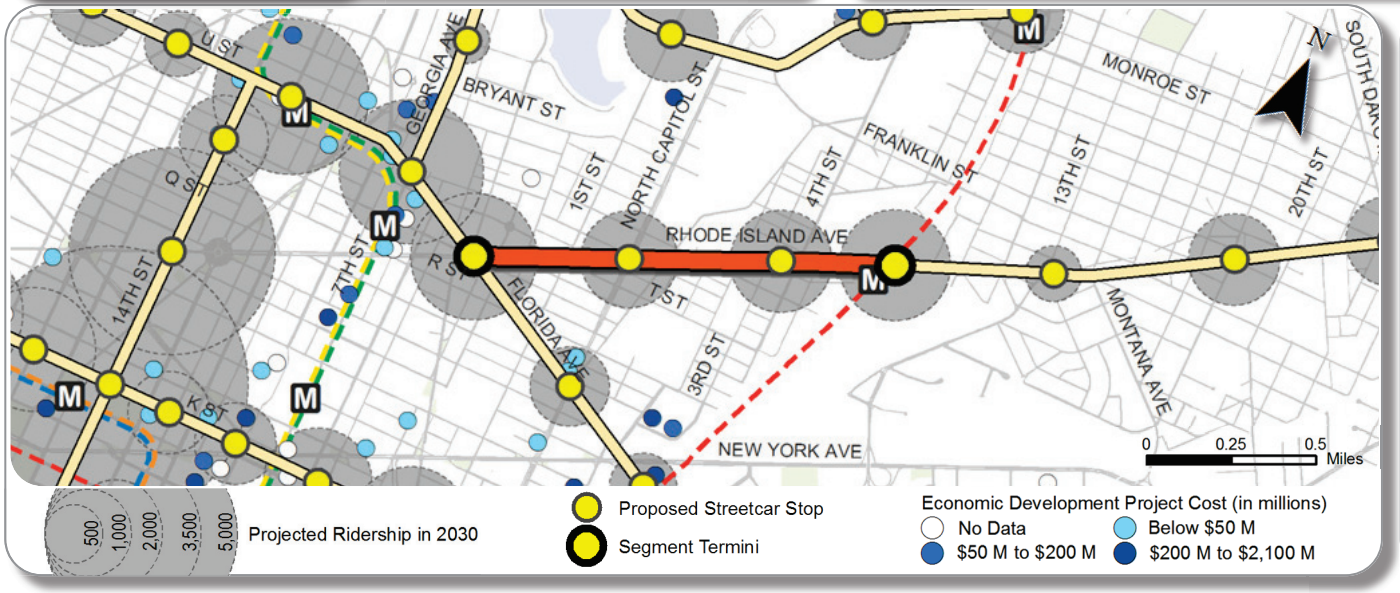
## Performance Against Goals

- Goal 1 - Access and Mobility Measures
- Goal 2 - Community and Economic Development Measures
- Goal 3 - System Performance
- Goal 4 - Environmental Quality
- Overall



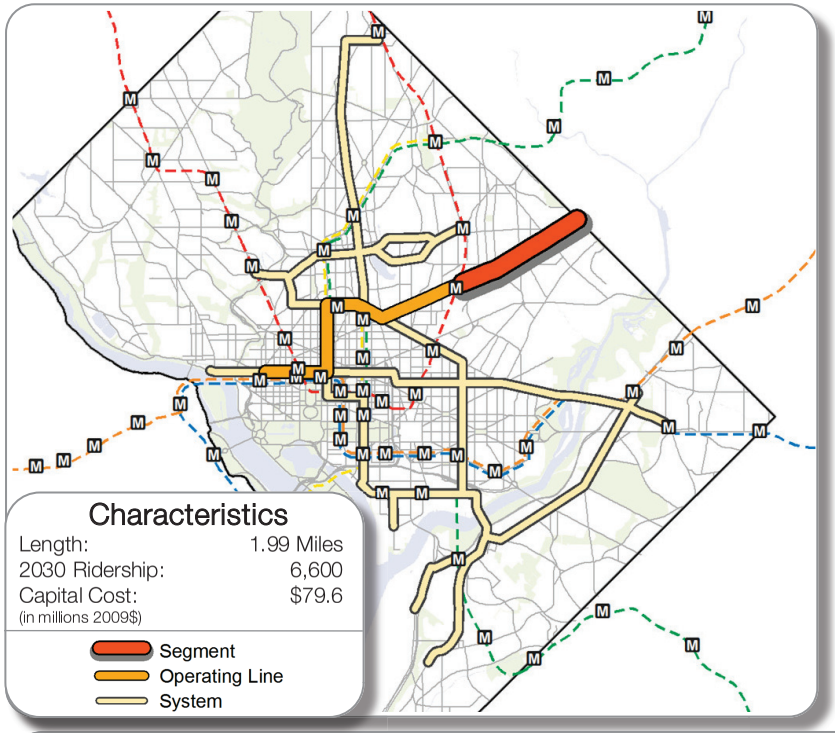

## Key Strengths

- Located along a Great Street corridor serving strategic neighborhoods
- Cost-effective, with annual operating cost per annual boarding of < $1.50
- Capacity for development/redevelopment along the route
- Connects neighborhoods not well served by Metrorail to the Metrorail Station at Brentwood

## Segment Termini

- LeDroit Park area and connection to Florida Ave Streetcar
- Rhode Island Ave-Brentwood Metrorail Station

# Rhode Island North



## Characteristics

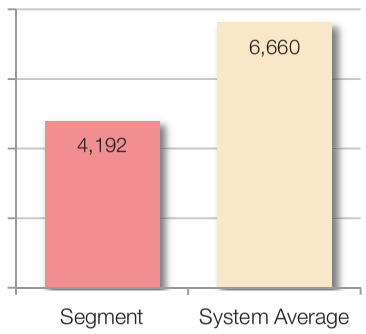
| | |
|---|---|
| Length: | 1.99 Miles |
| 2030 Ridership: | 6,600 |
| Capital Cost: (in millions 2009$) | $79.6 |

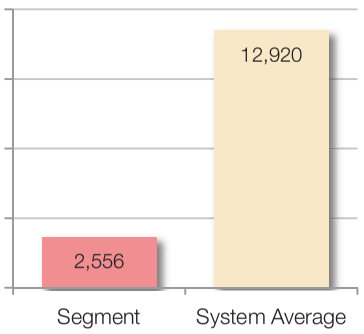
Segment
Operating Line
System

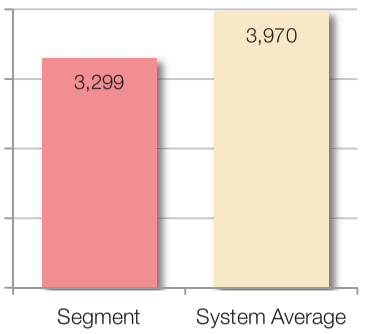
## Performance Against Goals

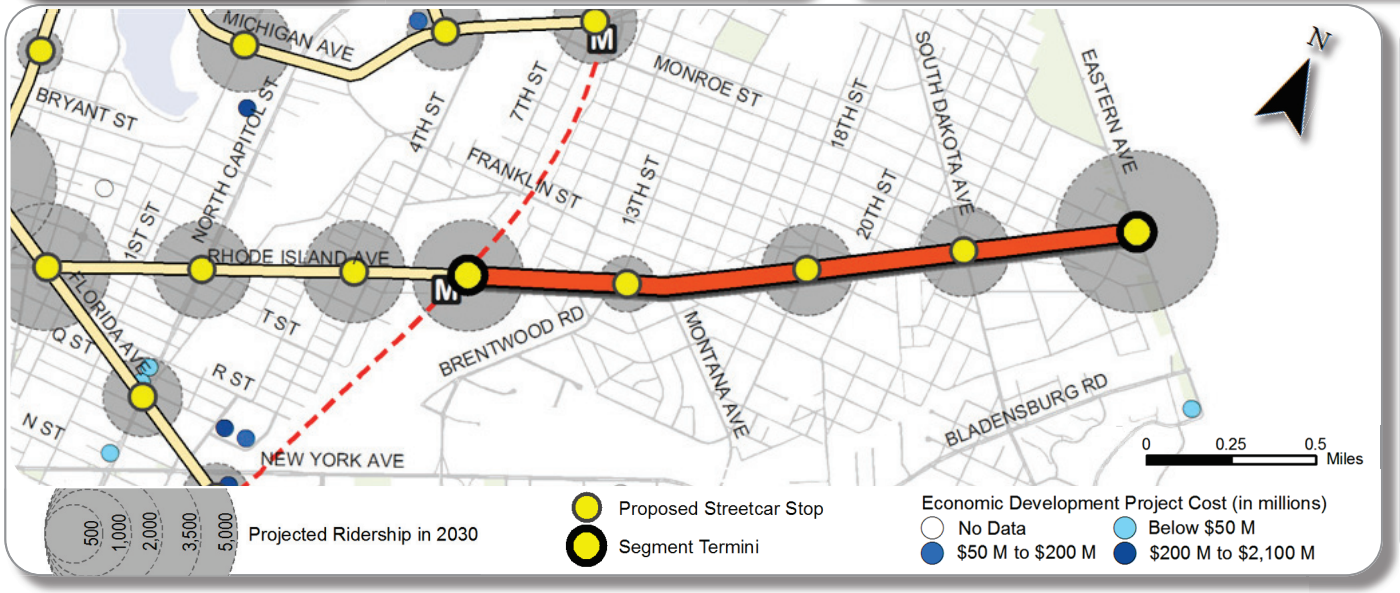
Low
Medium
High

Goal 1 - Access and Mobility Measures
Goal 2 - Community and Economic Development Measures
Goal 3 - System Performance
Goal 4 - Environmental Quality
Overall



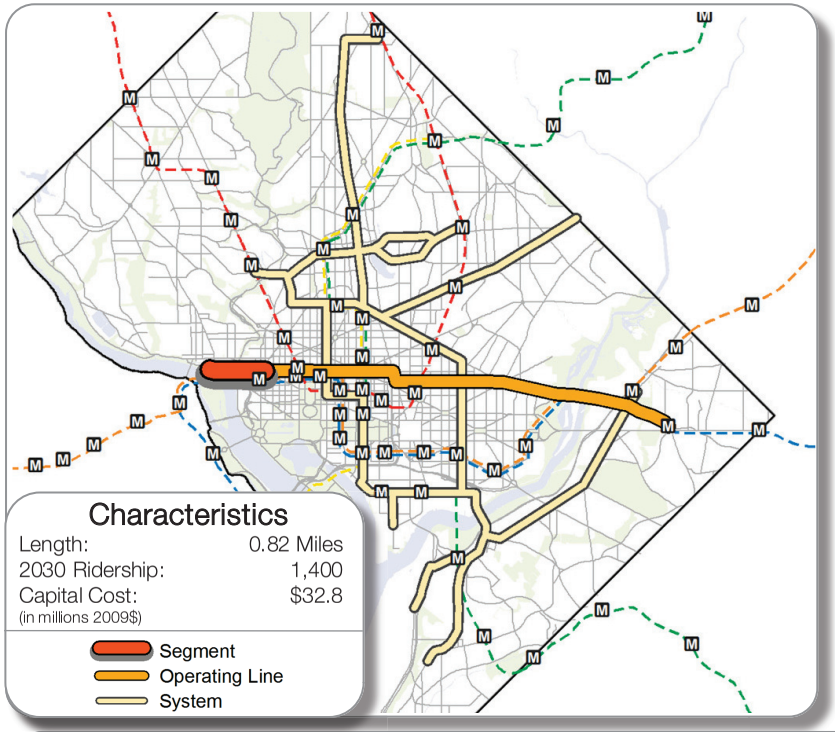

## Key Strengths

- Located along a Great Street corridor serving strategic neighborhoods, and development/ redevelopment along the route
- Cost-effective, with annual operating cost per annual boarding of < $1.50
- Connects neighborhoods not well served by Metrorail to the Rhode Island Avenue Metrorail Station

## Segment Termini

- Rhode island Ave-Brentwood Metrorail Station
- Rhode Island Ave/Eastern Avenue neighborhood commercial district

# Georgetown



## Characteristics

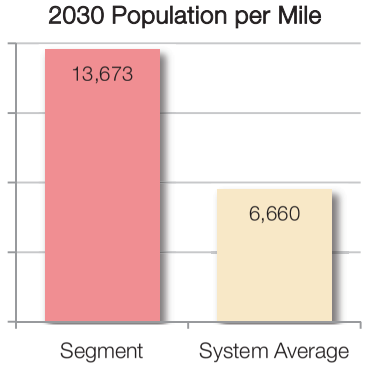
| | |
|---|---|
| Length: | 0.82 Miles |
| 2030 Ridership: | 1,400 |
| Capital Cost: (in millions 2009$) | $32.8 |

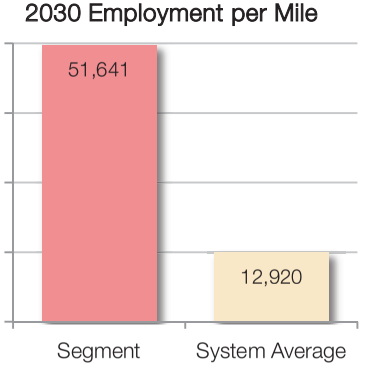
Segment
Operating Line
System

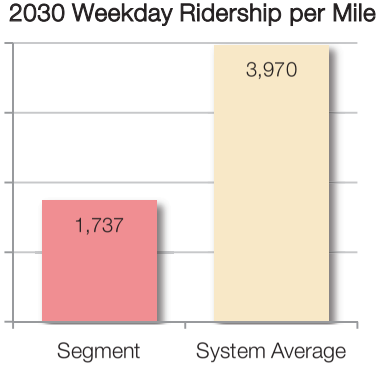
## Performance Against Goals

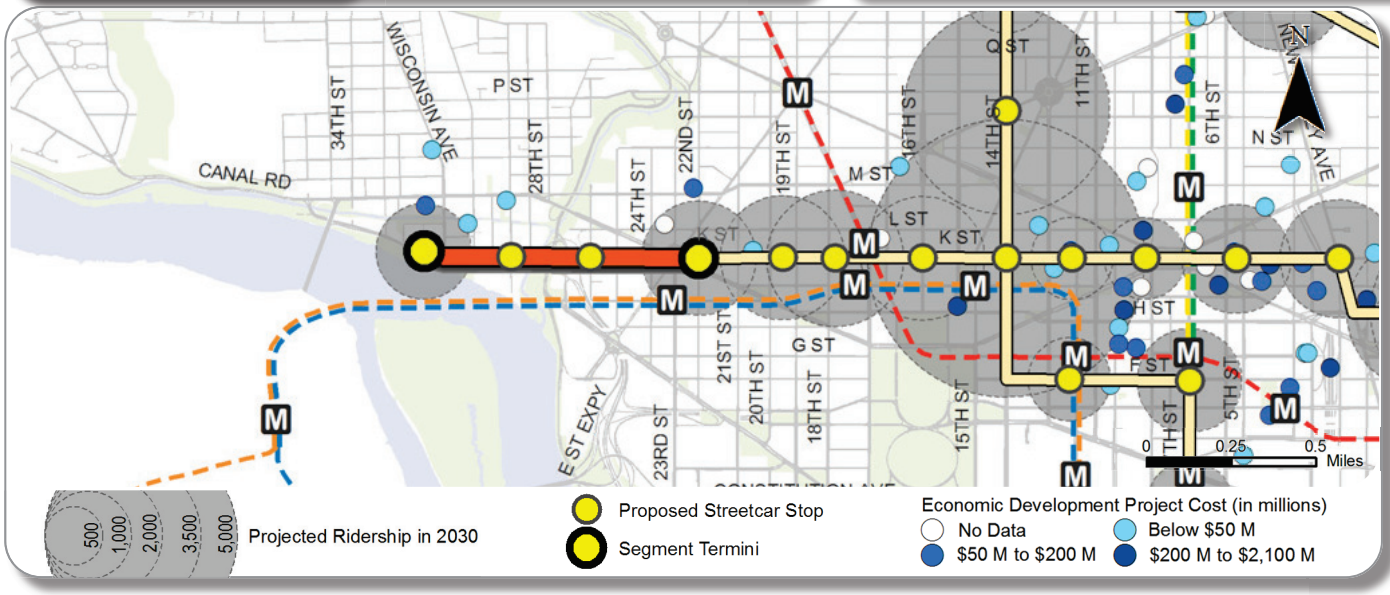
Low
Medium
High

| Goal 1 - Access and Mobility Measures | Goal 2 - Community and Economic Development Measures | Goal 3 - System Performance | Goal 4 - Environmental Quality | Overall |
|---|---|---|---|---|
| High | Low | Medium | Medium | Medium |




## Key Strengths

- Serves high population and employment with over13,600 persons per mile and over 51,600 employees per mile
- Serves Georgetown Waterfront/Wisconsin Avenue commercial area and trip destination
- Connects Georgetown to Metrorail System via Foggy Bottom-GWU Metrorail Station

## Segment Termini

- Georgetown Waterfront/Wisconsin Avenue commercial area
- Washington Circle, GWU, and connection to K Street Streetcar