

Welcome to the  
SR 7-BROWARD Blvd  
Neighborhood Working  
Group Meeting



**JACOBS**

FIRST MEETING  
MAY 4, 2010

# Community Desires Exercise

Areas of CHANGE

Areas of STABILITY

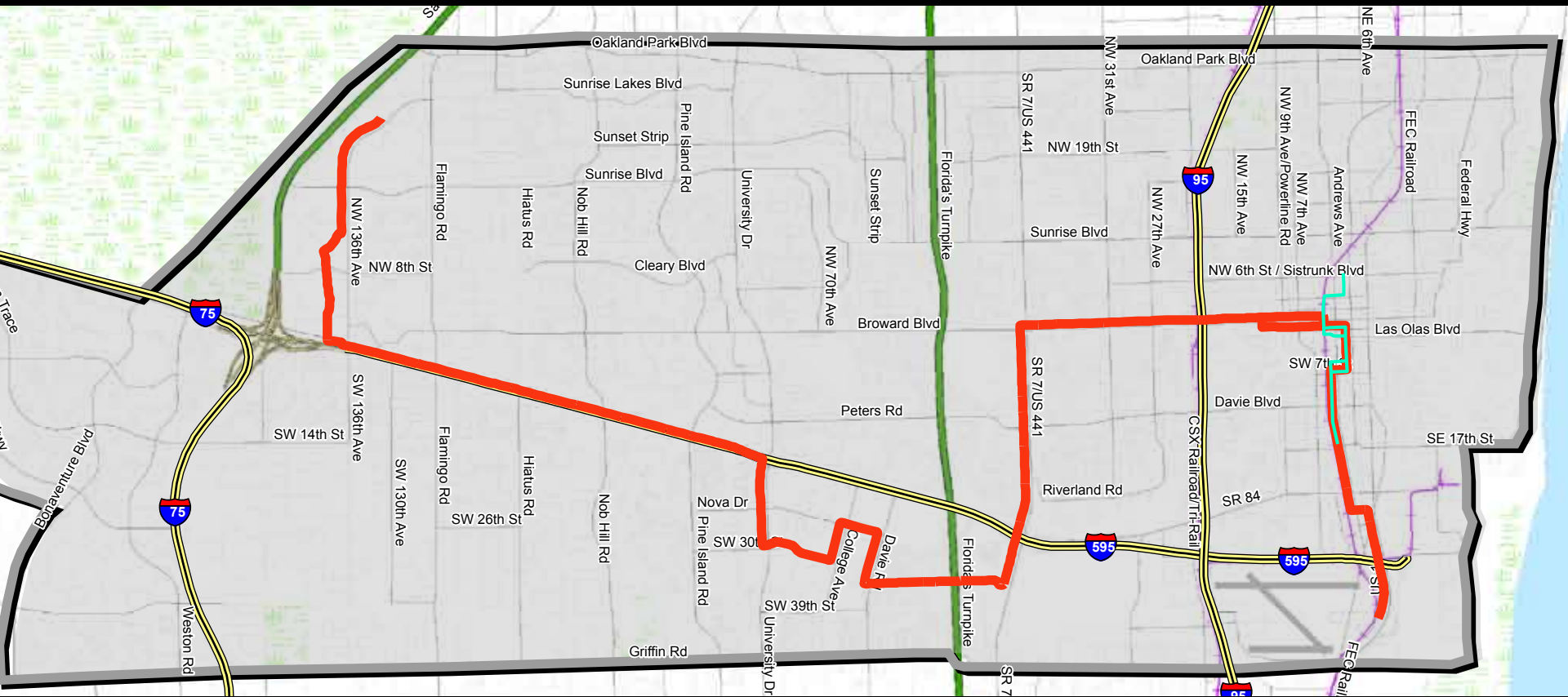
ACCESS to/from your community

# Purpose & Need of Project

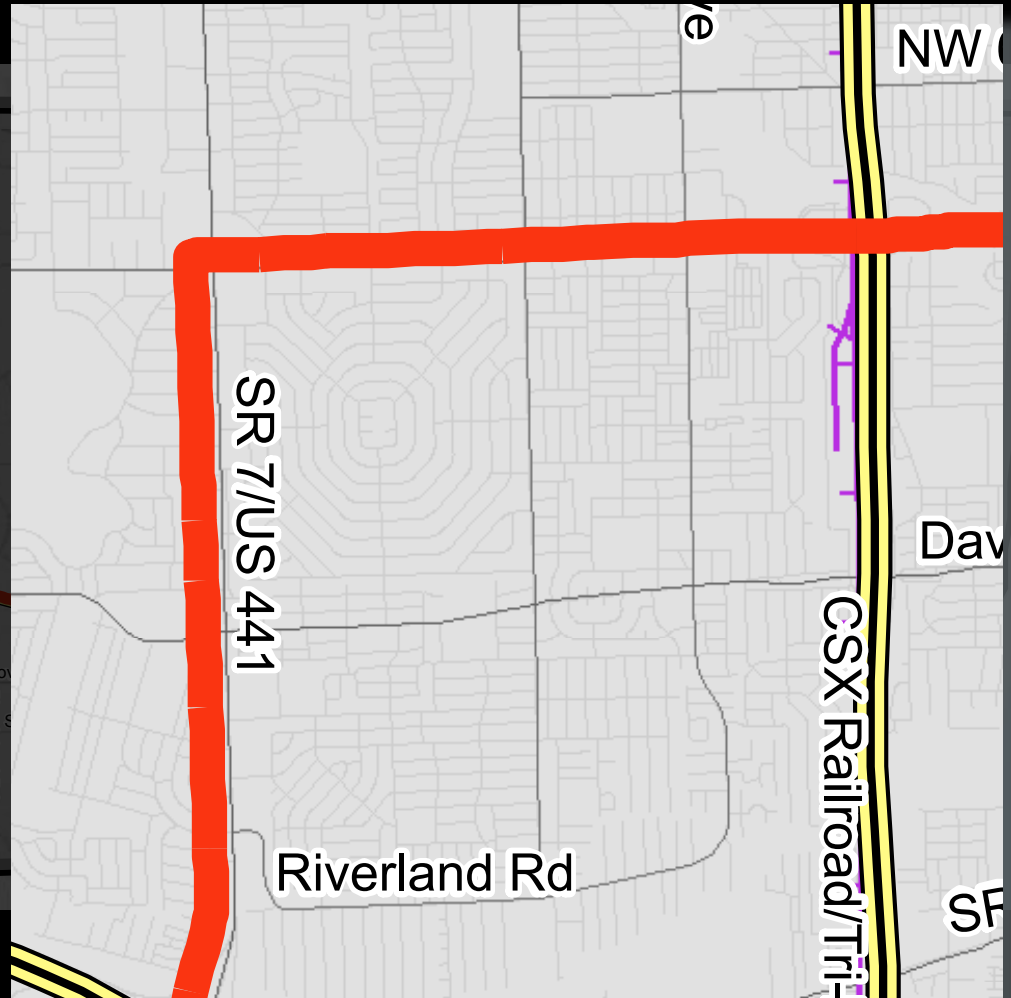
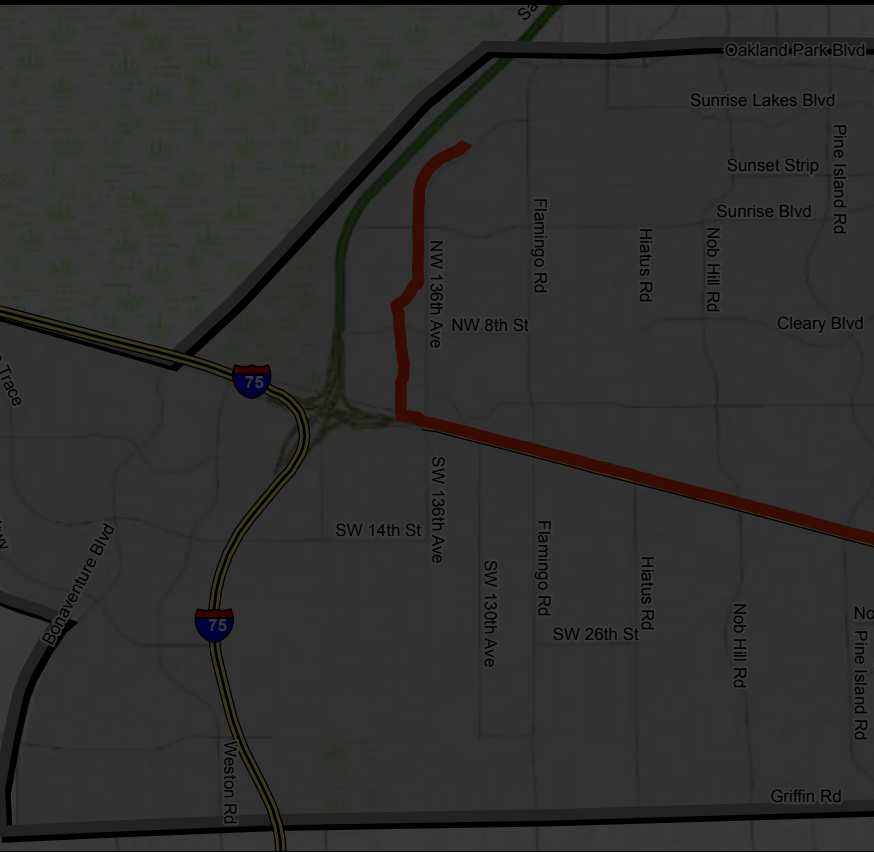
Provide high-quality, high-capacity transit service to:

- Serve **east-west travel** in Central Broward
- Foster **economic growth** & development
- Improve mobility to/from **activity centers**
- Reduce vehicle **miles traveled**
- Reduce vehicle **emissions**

# Project Study Area



# Project Study Area



Overview of **alignment (route)** types.

# things we consider



alignment location

station type

pedestrian access & safety

travel time

connect tracks

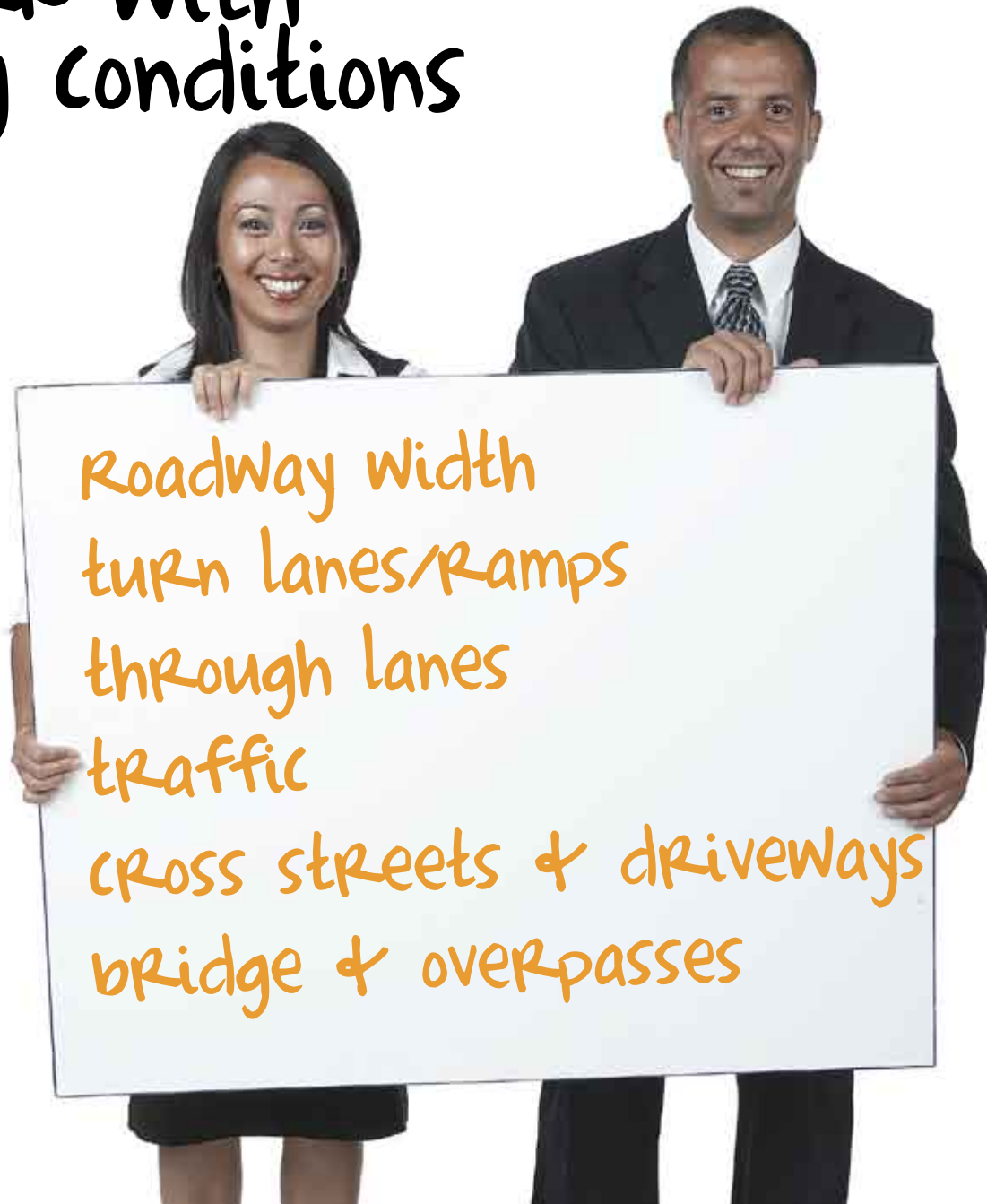
traffic and transit signals

vehicle safety

new bridges/overpasses

views

We work with  
existing conditions



Roadway width  
turn lanes/Ramps  
through lanes  
traffic  
cross streets & driveways  
bridge & overpasses



# Alignment types

middle of the road, curbside, **OR** combo

separated from traffic **OR** mixed with traffic

above street level **OR** at street level



DIX WILSON STA

ONLY

U TURN  
PROHIBITED







Greenford Broadway

E2

DP1022

Armchair



KP02 PVE

STOPS  
BUS





Enteprise

TECHNICAL CENTER



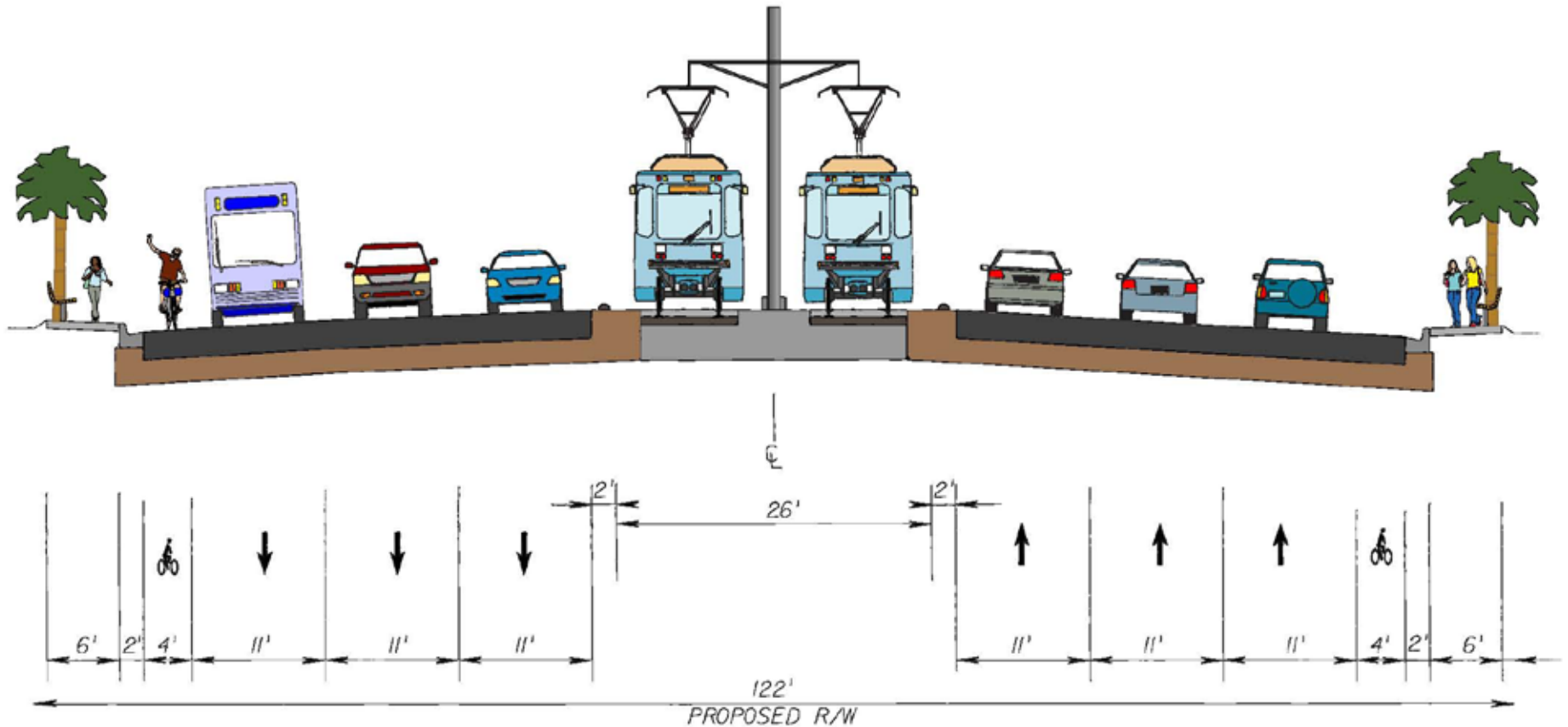
# Alignment trade-offs

| Type                           | Pros   | Cons   |
|--------------------------------|--|--|
| <b>Middle of the Road</b>      | Uses available median<br>Simplifies station access<br>Operational flexibility<br>Few turn/driveway conflicts | Reduces landscaping<br>Left turns management   |
| <b>Curbside</b>                | Fewer pedestrian crossings   | Right turn conflicts<br>Driveway conflicts<br>Operational inflexibility<br>Increases right-of-way need |
| <b>Dedicated Transit Lanes</b> | Faster transit speeds  | Possible right-of-way need   |
| <b>Mixed Traffic</b>           | Reduces right-of-way need<br>Minimizes construction  | Slower transit speeds  |

Alignments proposed by **project team**.

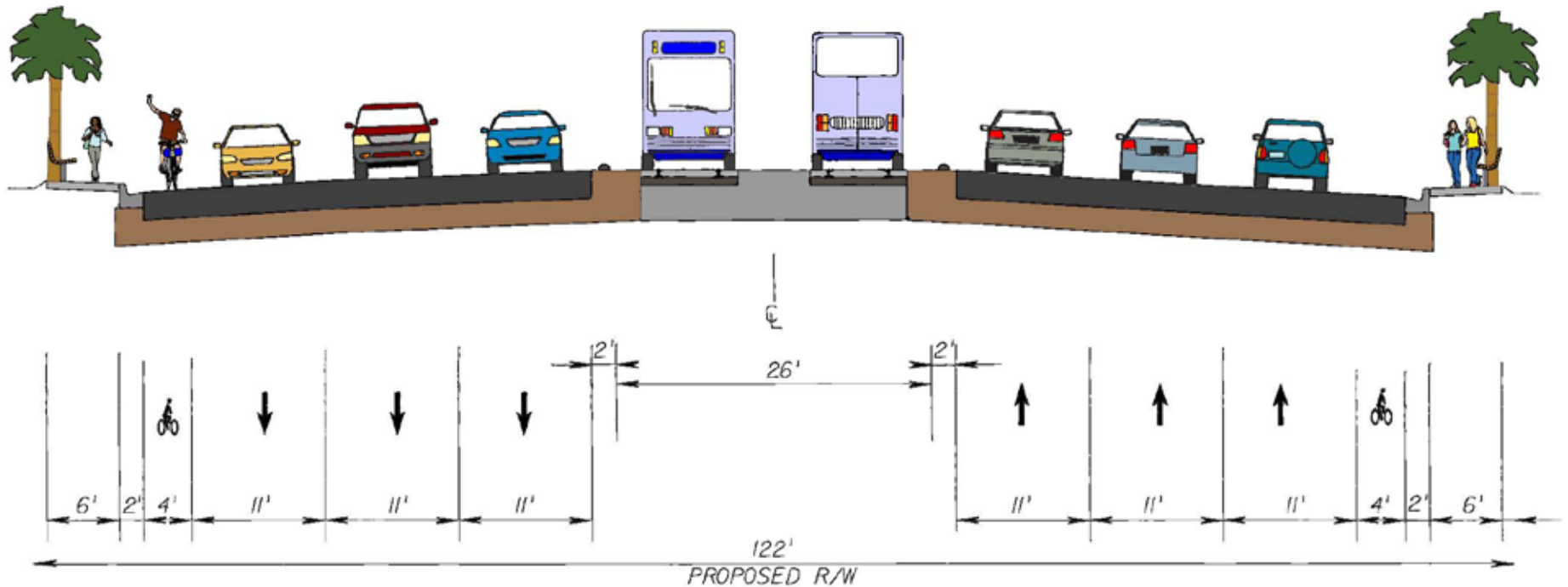


# SR 7



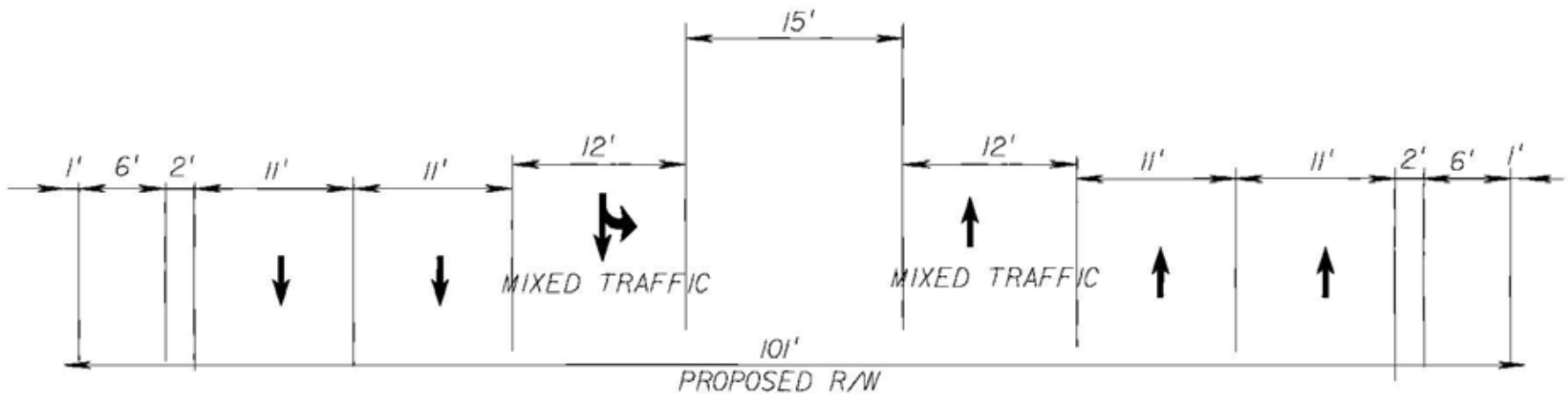
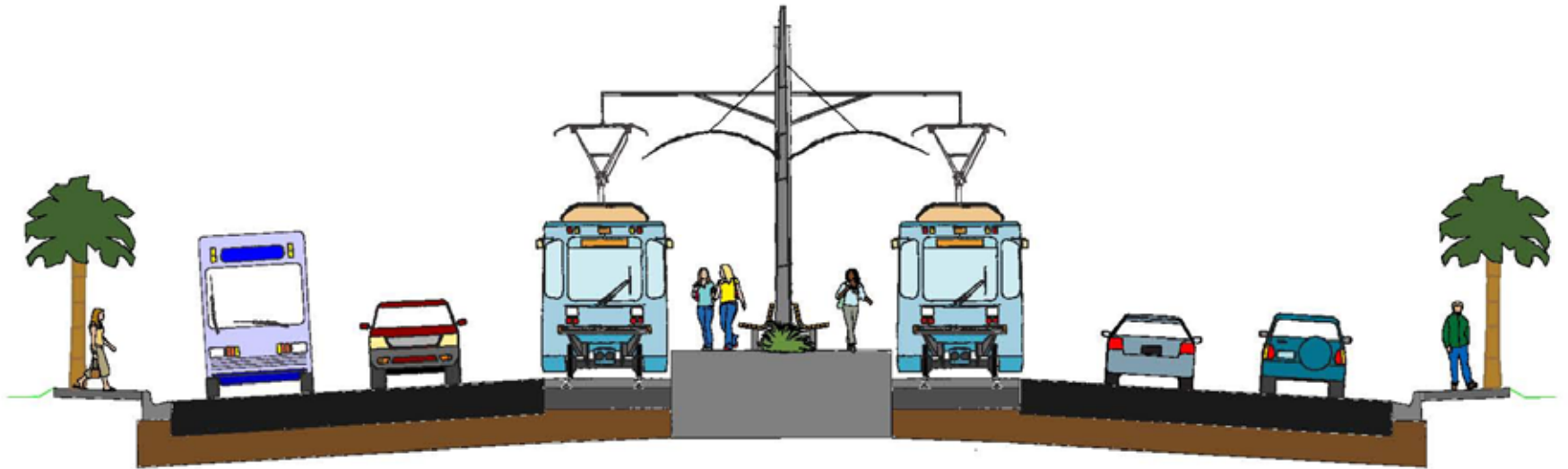
middle of the road • at street level • separated from traffic

# SR 7



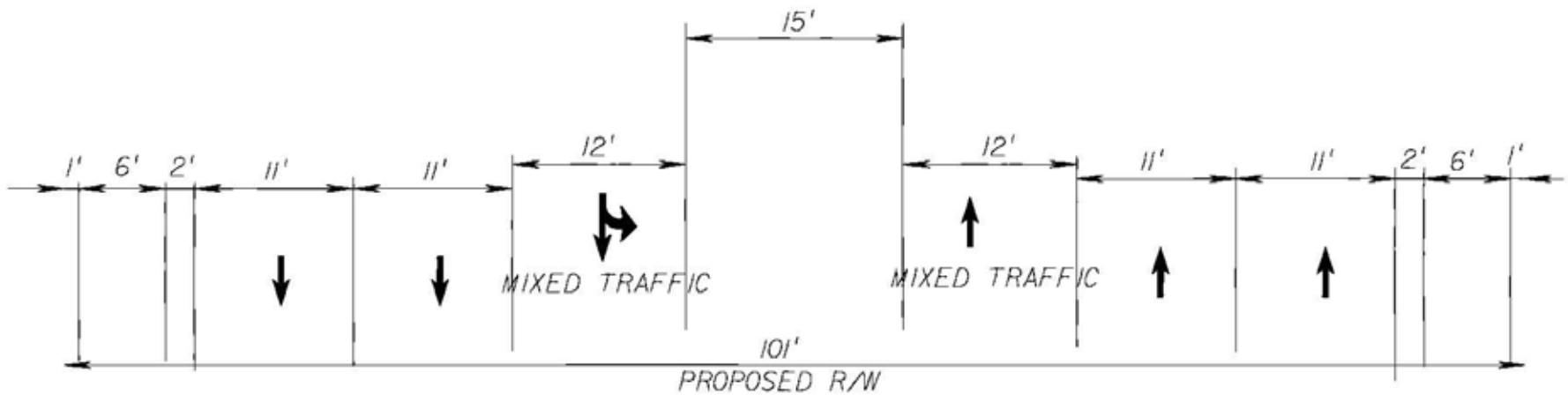
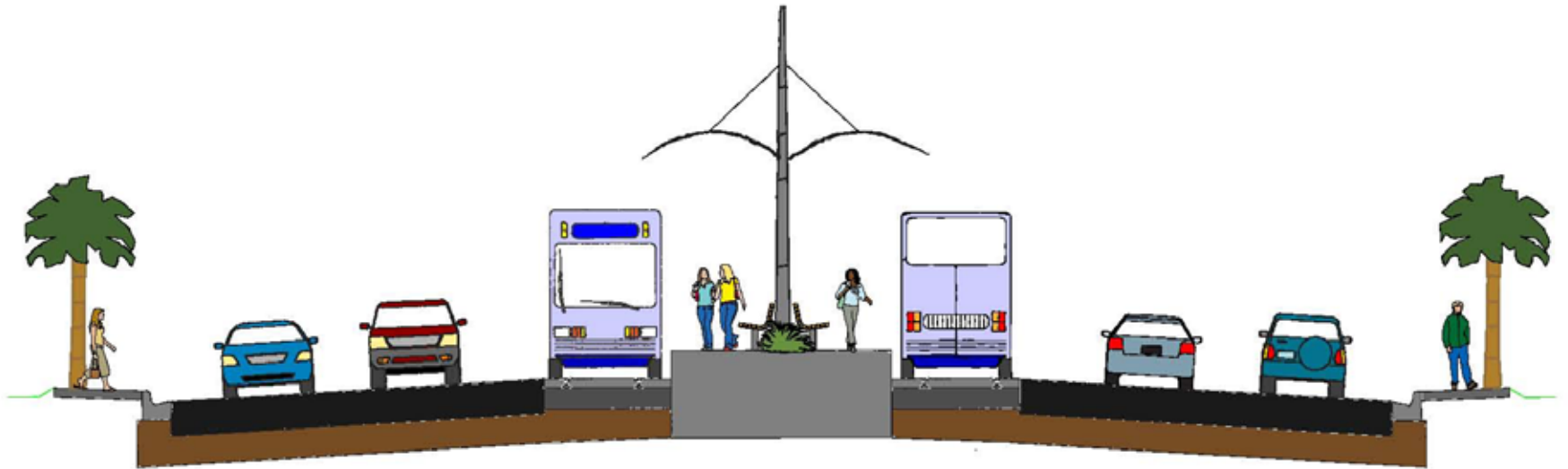
middle of the road • at street level • separated from traffic

# Broward Boulevard



middle of the road ● at street level ● mixed with traffic

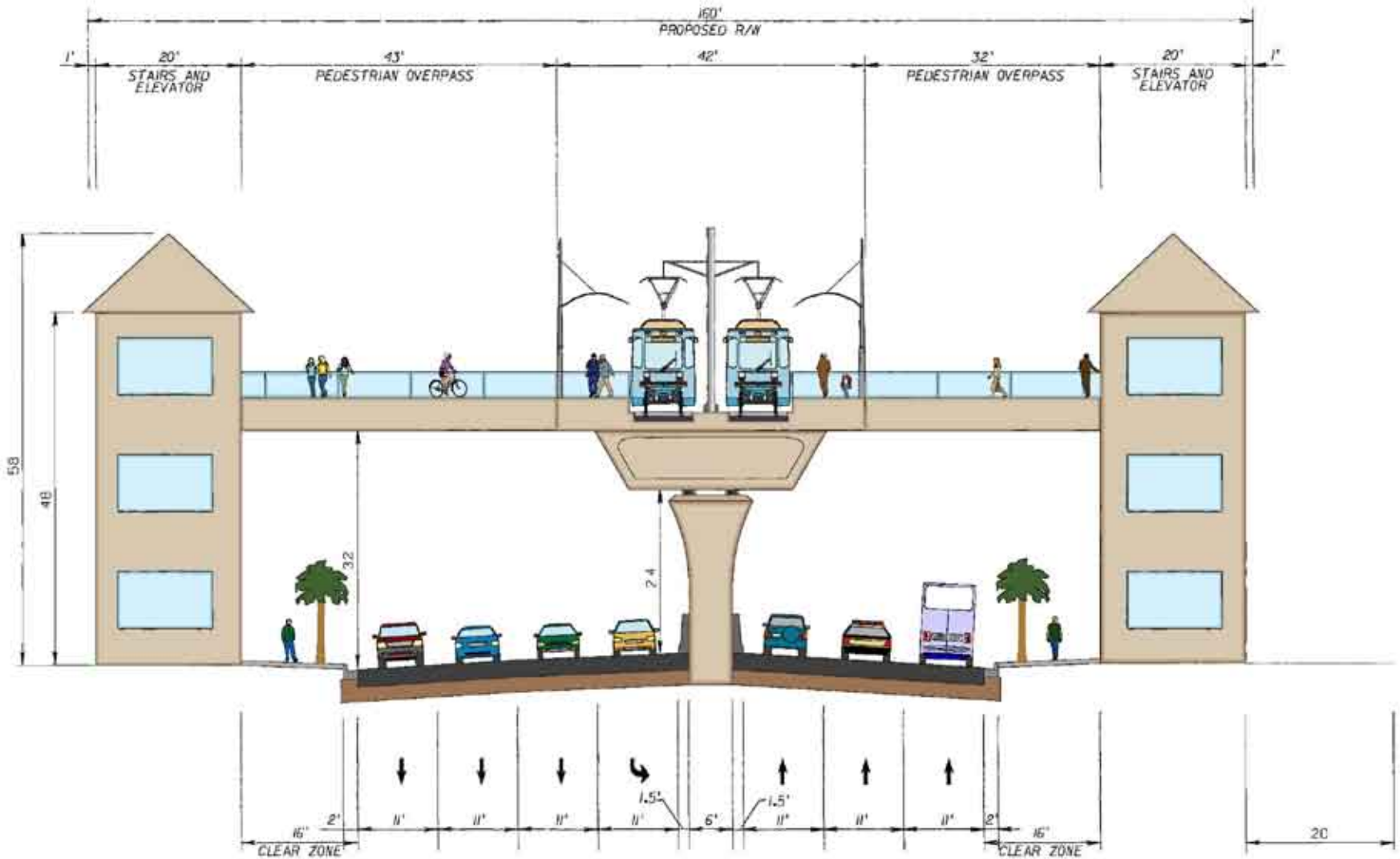
# BROWARD BOULEVARD



middle of the road ● at street level ● mixed with traffic

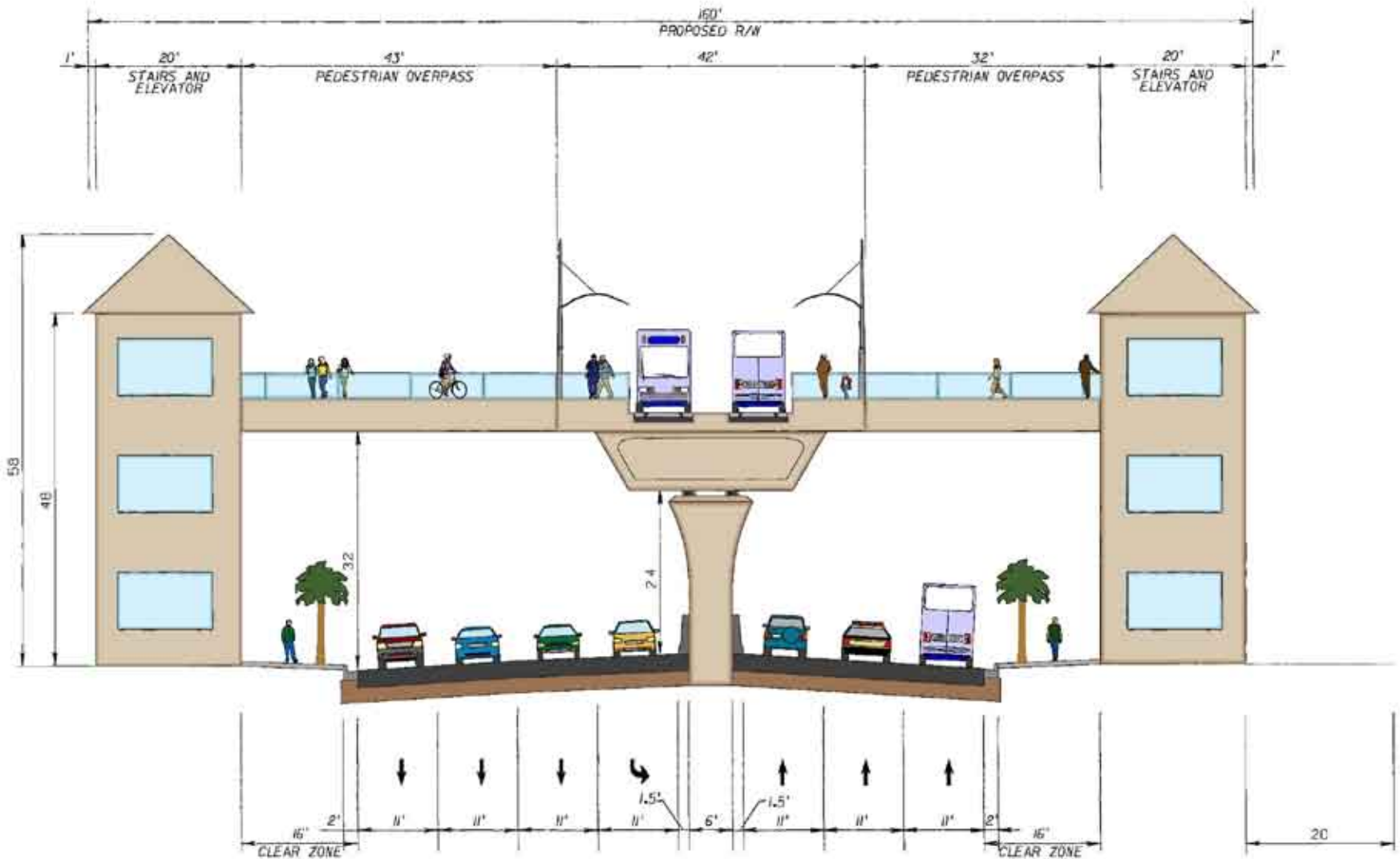
Prepared upon **community request.**

# Broward Boulevard



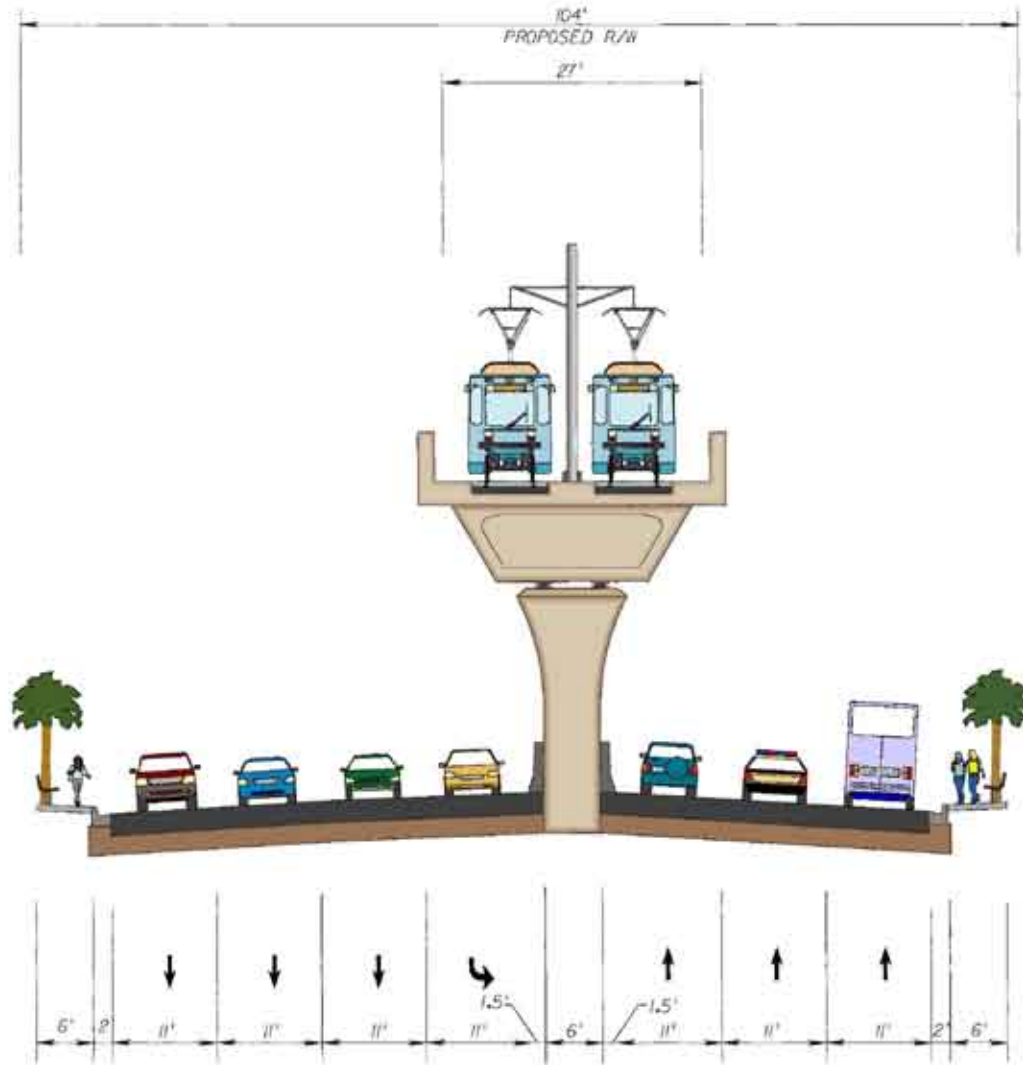
middle of the road ● above street level ● separated from traffic

# Broward Boulevard



middle of the road ● above street level ● separated from traffic

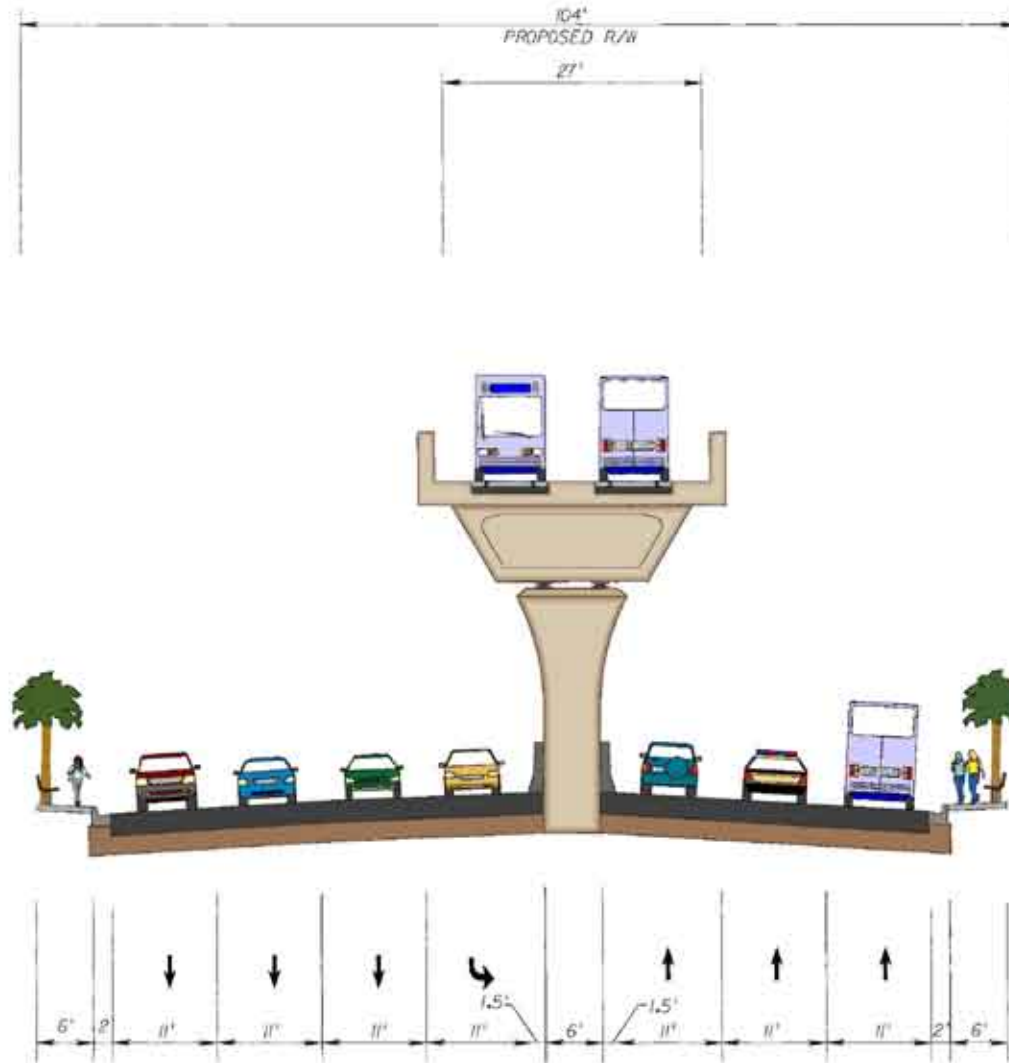
# BROWARD BOULEVARD



middle of the road ● above street level ● separated from traffic



# BROWARD BOULEVARD



middle of the road ● above street level ● separated from traffic

# Above Street Level trade-offs

## Pros

- Faster transit speeds
- Few turn/driveway conflicts

## Cons

- Visual barrier
- Shadows
- Expensive
- Access restricted
- Safety (people, bus transfer, bikes)
- Above existing structures
- Maintenance (structure, graffiti)
- Traffic

Overview of **station** types.

# station types



Gateway

Anchor

Community

Connection

# Gateway Station

- Serve as gathering places
- Real time messaging
- Pre-board ticketing
- Development opportunities
- Fully enclosed shelters/ structures
- Car/bike share
- Parking
- Connects 2+ high capacity transit lines
- Pedestrian/bicycle linkage





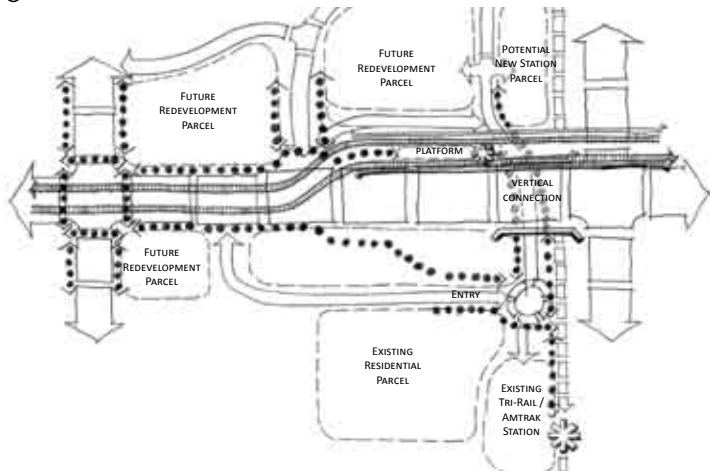
# Gateway Station Prototype

## GATEWAY STATION

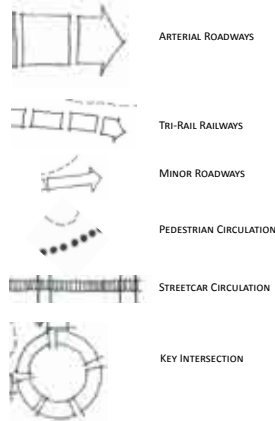
### CHARACTER IMAGES



### RELATIONAL DIAGRAM



### LEGEND



### CONCEPTUAL PLAN

- LEGEND
- 01 SPECIAL PAVING AT INTERSECTION
  - 02 SPECIAL PAVING PEDESTRIAN CROSSWALK
  - 03 STREETCAR ALIGNMENT
  - 04 LANDSCAPE BEAUTIFICATION IN MEDIAN
  - 05 ADA ACCESSIBLE RAMP ALONG HILL SLOPE
  - 06 CENTER PLATFORM
  - 07 PROPOSED FUTURE REDEVELOPMENT PARCEL
  - 08 ESCALATOR AND ELEVATOR
  - 09 EXISTING SURFACE PARKING LOTS
  - 10 EXISTING TRI-RAIL / AMTRAK STATION
  - 11 EXISTING TRI-RAIL / AMTRAK TRACKS



SCALE 1" = 50'  
0 25 50 100 150

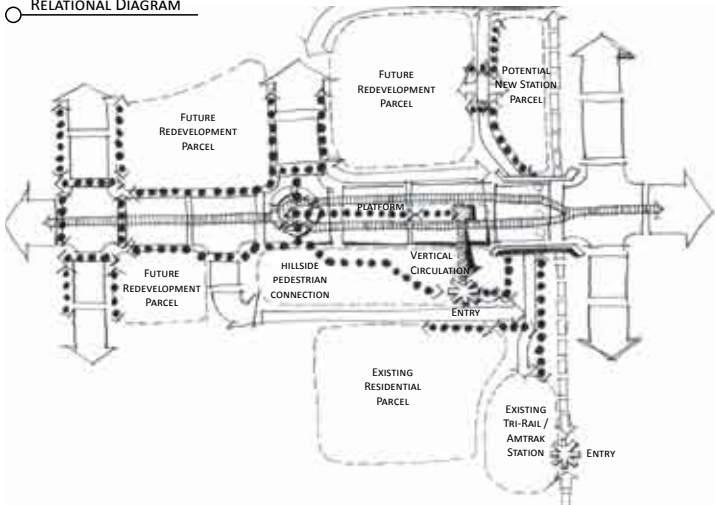
# Gateway Station Prototype

## GATEWAY STATION (ALTERNATE)

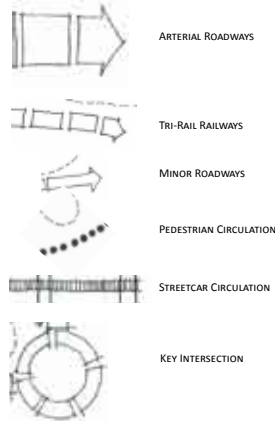
### CHARACTER IMAGES



### RELATIONAL DIAGRAM



### LEGEND



### CONCEPTUAL PLAN

#### LEGEND

- 01 SPECIAL PAVING AT INTERSECTION
- 02 SPECIAL PAVING PEDESTRIAN CROSSWALK
- 03 STREETCAR ALIGNMENT
- 04 LANDSCAPE BEAUTIFICATION IN MEDIAN
- 05 ADA ACCESSIBLE RAMP ALONG HILL SLOPE
- 06 CENTER PLATFORM
- 07 PROPOSED FUTURE REDEVELOPMENT PARCEL
- 08 ESCALATOR AND ELEVATOR
- 09 EXISTING SURFACE PARKING LOTS
- 10 EXISTING TRI-RAIL / AMTRAK STATION
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SCALE 1" = 50'  
0 25 50 100 150



# Gateway Station Prototype

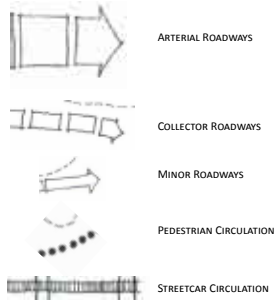
## GATEWAY STATION

### RELATIONAL DIAGRAM



### CHARACTER IMAGES

#### LEGEND



### CONCEPTUAL PLAN

#### LEGEND

- 01 CONNECTION TO ATLANTIC BANK AND OTHER DEVELOPMENT
- 02 CENTER PLATFORM
- 03 LANDSCAPE BEAUTIFICATION IN MEDIAN
- 04 STATION
- 05 PEDESTRIAN PLAZA
- 06 PEDESTRIAN CONNECTION WITH OVERHEAD CANOPY
- 07 EXISTING RETENTION POND
- 08 BUS DROP-OFF
- 09 BUS LAVOVER
- 10 KISS N RIDE AND TAXI DROP-OFF
- 11 CAR AND TAXI-LAVOVER
- 12 PEDESTRIAN CROSSWALK
- 13 SHORT TERM PARKING LOT
- 14 LONG TERM PARKING LOT
- 15 Streetcar Alignment
- 16 Streetcar Alignment Terminus





# Anchor Station

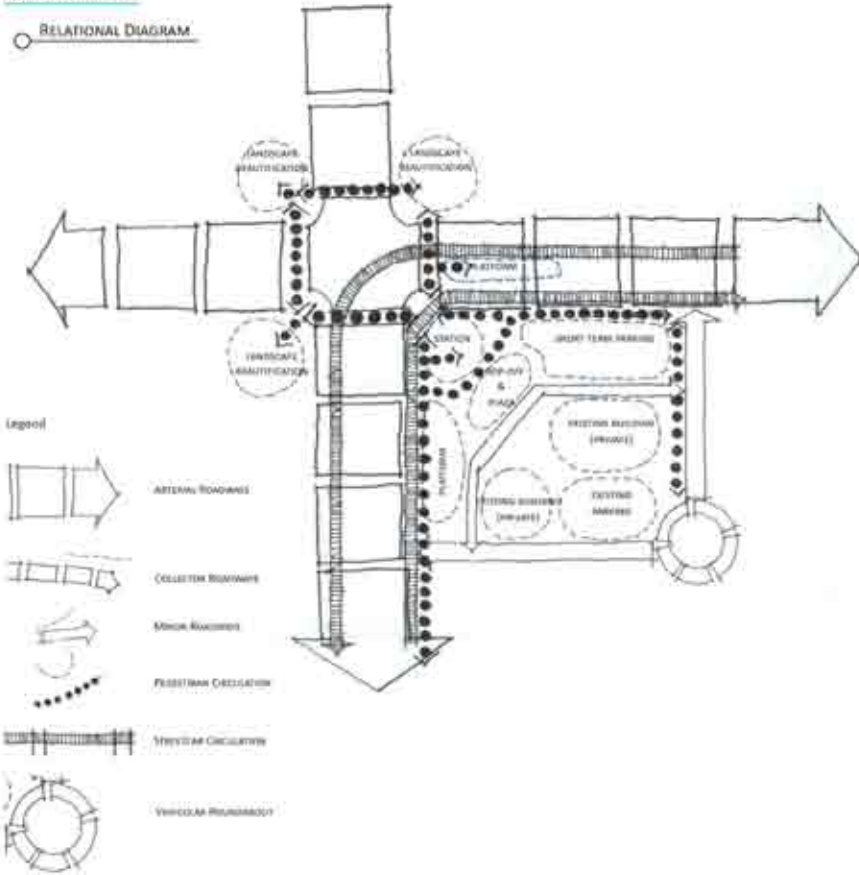
- Partially enclosed shelters
- Real time messaging
- Pre-board ticketing
- 1+ high capacity transit line
- Near major activity centers
- Pedestrian/bicycle linkage
- Parking may be available



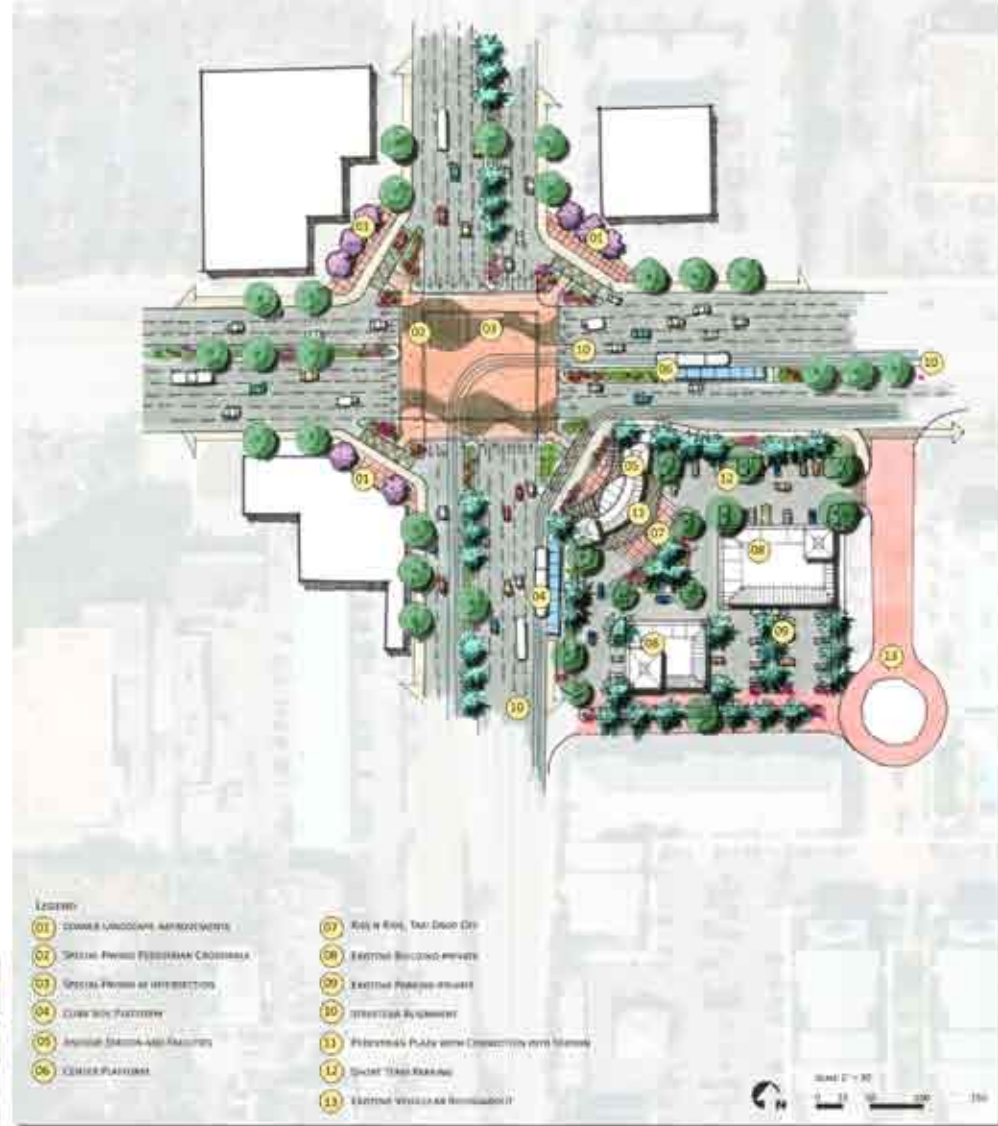
# Anchor Station Prototype

## ANCHOR STATION

### RELATIONAL DIAGRAM



### CHARACTER IMAGES





# Community Station

- Partially enclosed shelters
- Real time messaging
- Pre-board ticketing
- Identifiable locations that complement the neighborhood
- Pedestrian/bicycle linkage
- Parking not necessary



# Community Station Prototype

## COMMUNITY (DOWNTOWN) STATION

### RELATIONAL DIAGRAM



### CONCEPTUAL PLAN



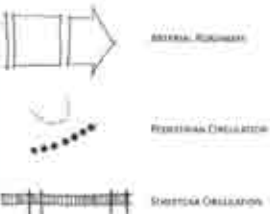
#### LEGEND

- 01 STREETCAR ALIQUANT
- 02 SPECIAL WALKING PEDESTRIAN CROSSWALK
- 03 SPECIAL PLAZA
- 04 CONC. SIDE PLATFORM
- 05 MUSEUM AND FACILITIES
- 06 EXISTING TRADING
- 07 PARK
- 08 EXISTING WALKWAY FRONT
- 09 BUS LANE

### CHARACTER IMAGES



#### Legend





# Connection Station

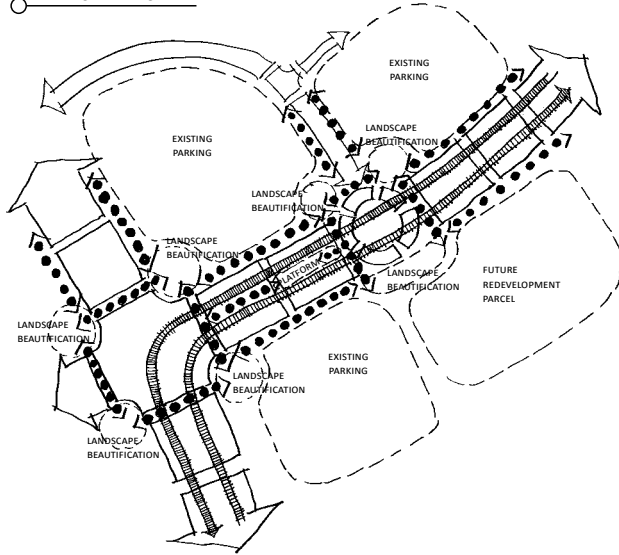
- Basic platform
- No parking
- No real time messaging
- Pre-board ticketing



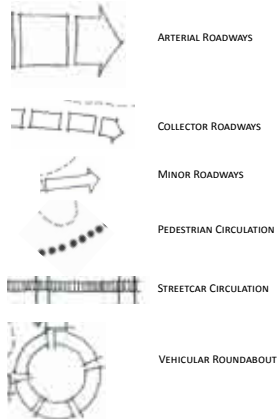
# Connection Station Prototype

## CONNECTION STATION

### RELATIONAL DIAGRAM



### LEGEND



### CHARACTER IMAGES



### CONCEPTUAL PLAN

#### LEGEND

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- 02 SPECIAL PAVING PEDESTRIAN CROSSWALK
- 03 CENTER PLATFORM
- 04 STREETCAR ALIGNMENT
- 05 LANDSCAPE BEAUTIFICATION IN MEDIAN



# Proposed station locations

## Tier 1

Broward Boulevard at TriRail

Intersection of Broward Boulevard and SR 7

Any last thoughts?



Thank you for  
your time!