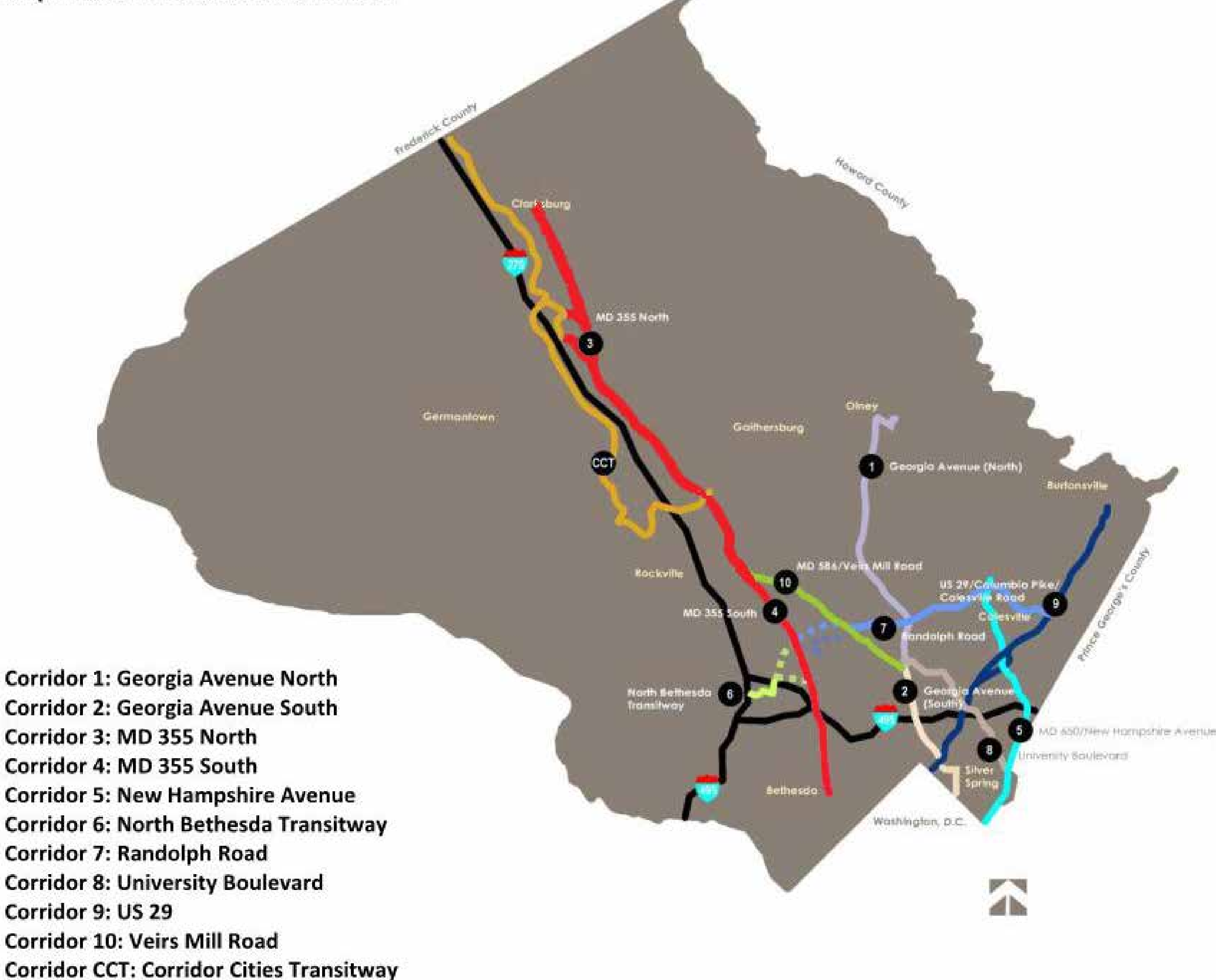




# BUS RAPID TRANSIT (BRT) STATION PROTOTYPE DESIGN

Map 1 Recommended BRT Corridors



## Project Description

- MCDOT received a grant from the Metropolitan Washington Council of Governments Transportation/Land-Use Connections Program (MWCOC TLC) to develop a BRT Station Prototype for the County’s future BRT Network.
- The design scope is to develop a Prototype Station Design with interchangeable, modular components, that can be adapted for all corridors with an initial focus on MD 355, MD 586 and US 29.
- The grant requires the project to be complete by June 2017. The project consultants are ZGF Architects and Wiles Mensch.

## Station Design Goals

- Design Stations to support:
  - Arrival & Waiting (*identity, accessibility, amenities & information*)
  - Ease of Use (*wayfinding/branding*)
  - Rider Experience and Comfort (*aesthetics, safety, weather protection*)
- Design Stations to fit & enhance context (*scaled appropriately, sustainability & stormwater management*)
- Other?

## Operations & Maintenance Goals

- Design to support efficient BRT and local bus operations (*from vehicle maneuvering to fare collection*)
- Design to consider operations (*utility requirements*), maintenance (*cleaning, snow removal*), and investment (*life cycle costs*)
- Other?

MWCOG TLC GRANT – MONTGOMERY COUNTY DOT  
BUS RAPID TRANSIT STATION DESIGN PROTOTYPES

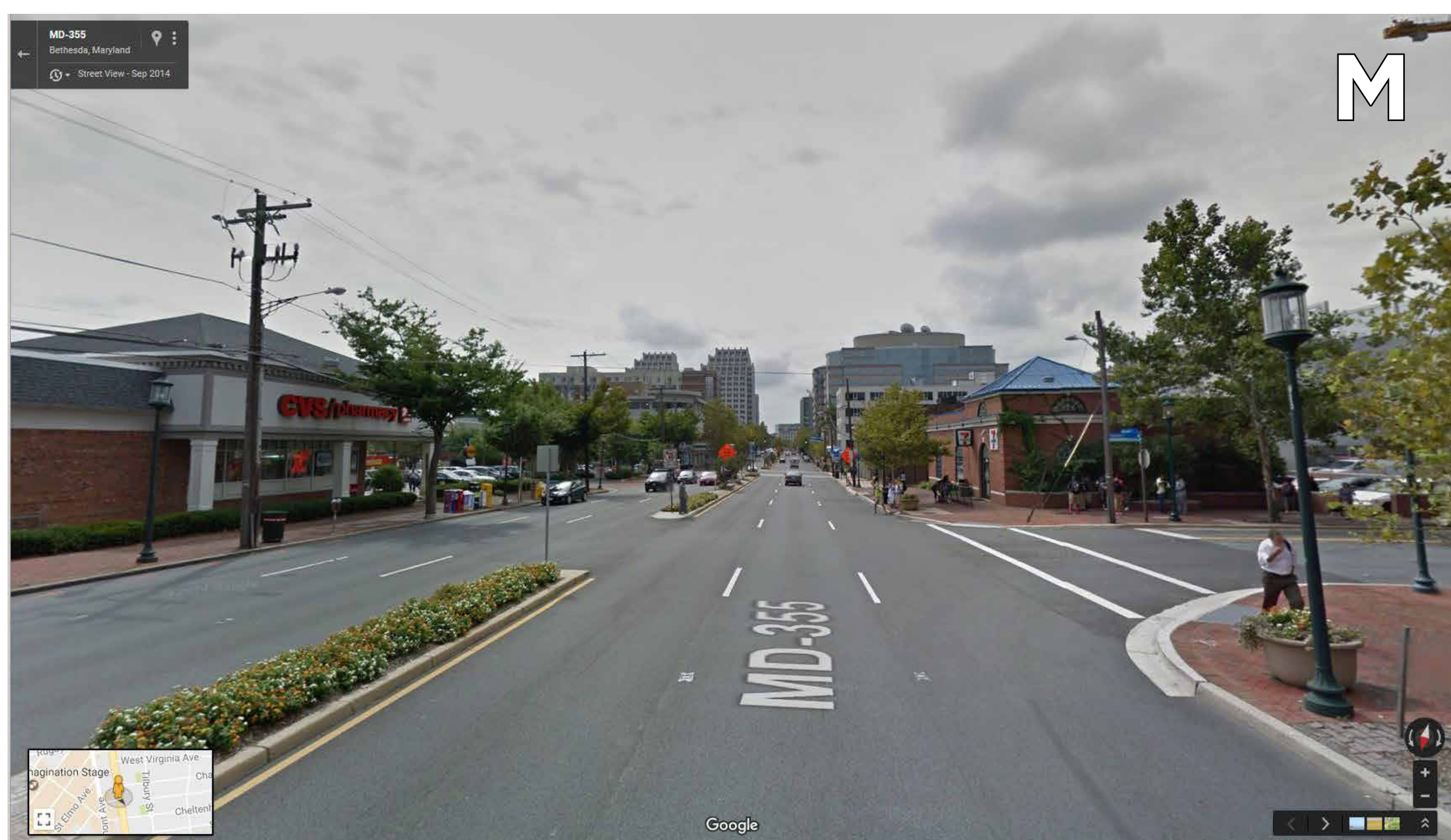
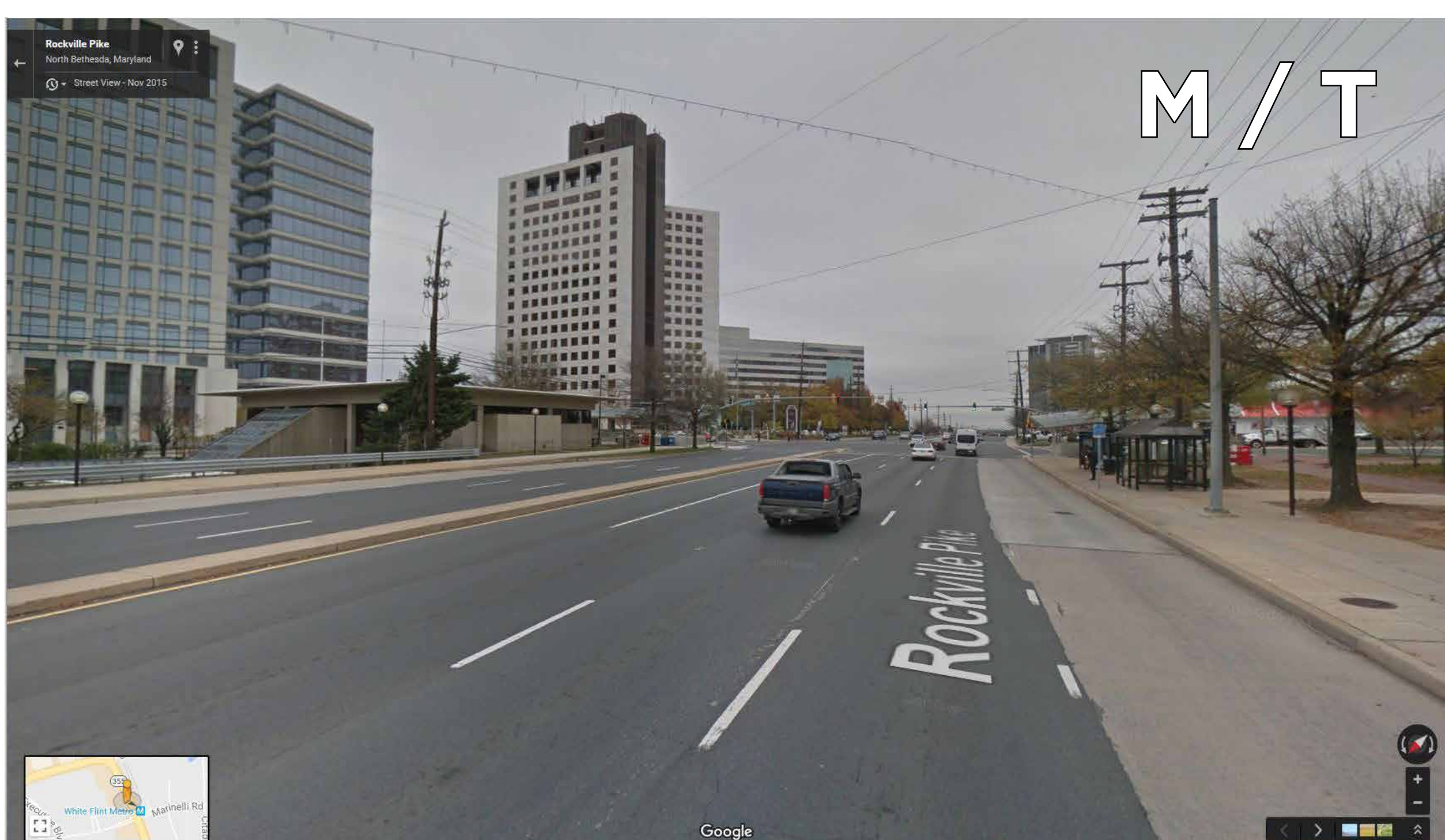
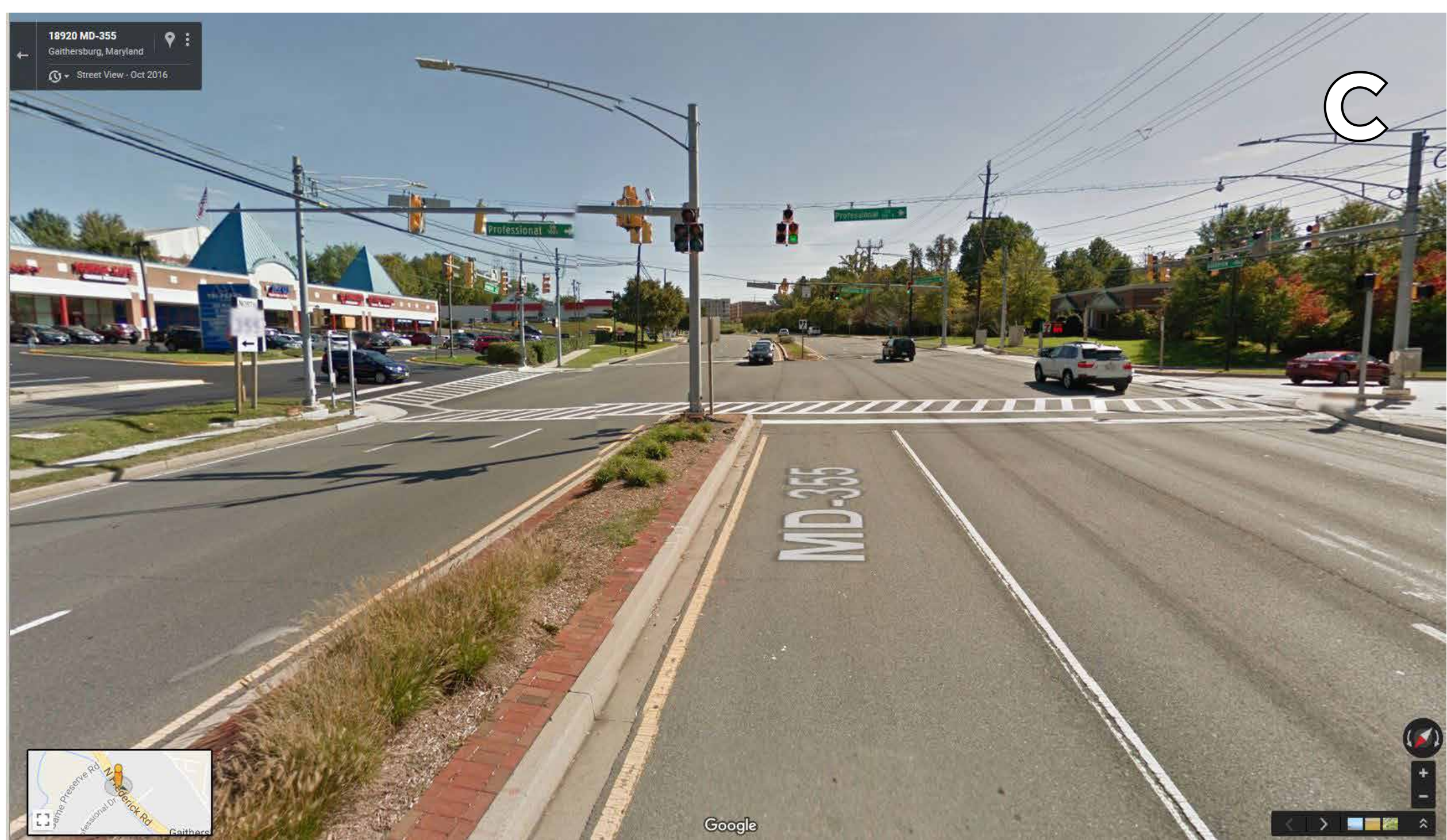


# MD 355 STATION AREAS

## Context and Station Type - Examples



- Station Types**
- T Transit-Metro/Park & Ride
  - I Institutional / Civic
  - P Park / Open Space
  - R Suburban Residential
  - C Suburban Commercial
  - M Urban Mixed-Use



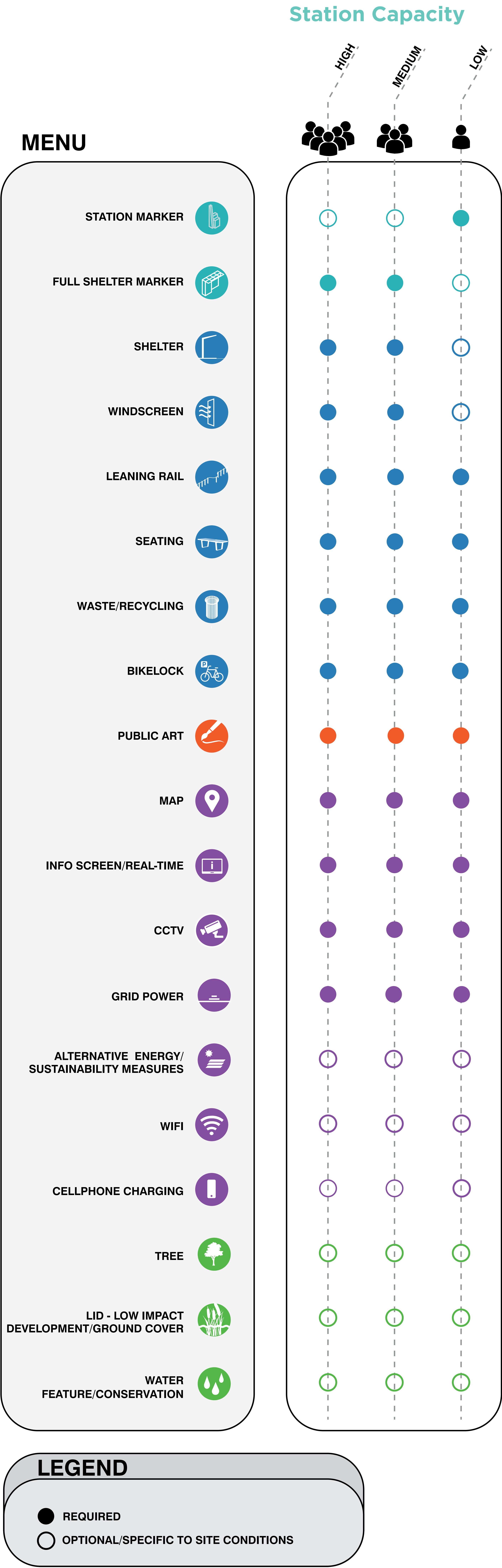
# MWCOG TLC GRANT – MONTGOMERY COUNTY DOT

## BUS RAPID TRANSIT STATION DESIGN PROTOTYPES

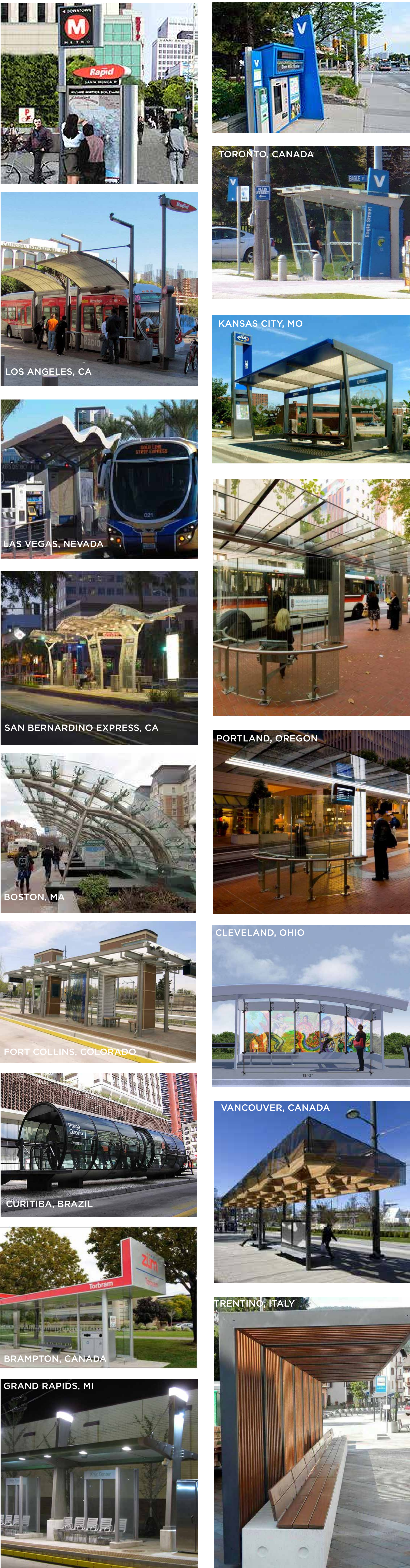


# STATION DESIGN ELEMENTS

## Capacity and Program



### Station Examples



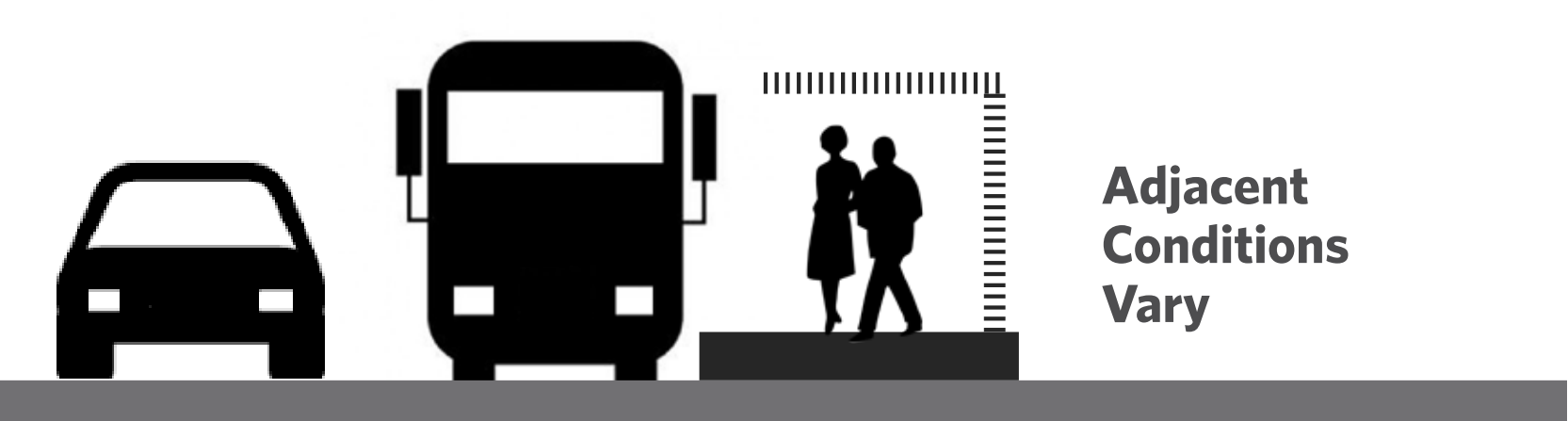
MWCOG TLC GRANT – MONTGOMERY COUNTY DOT  
BUS RAPID TRANSIT STATION DESIGN PROTOTYPES



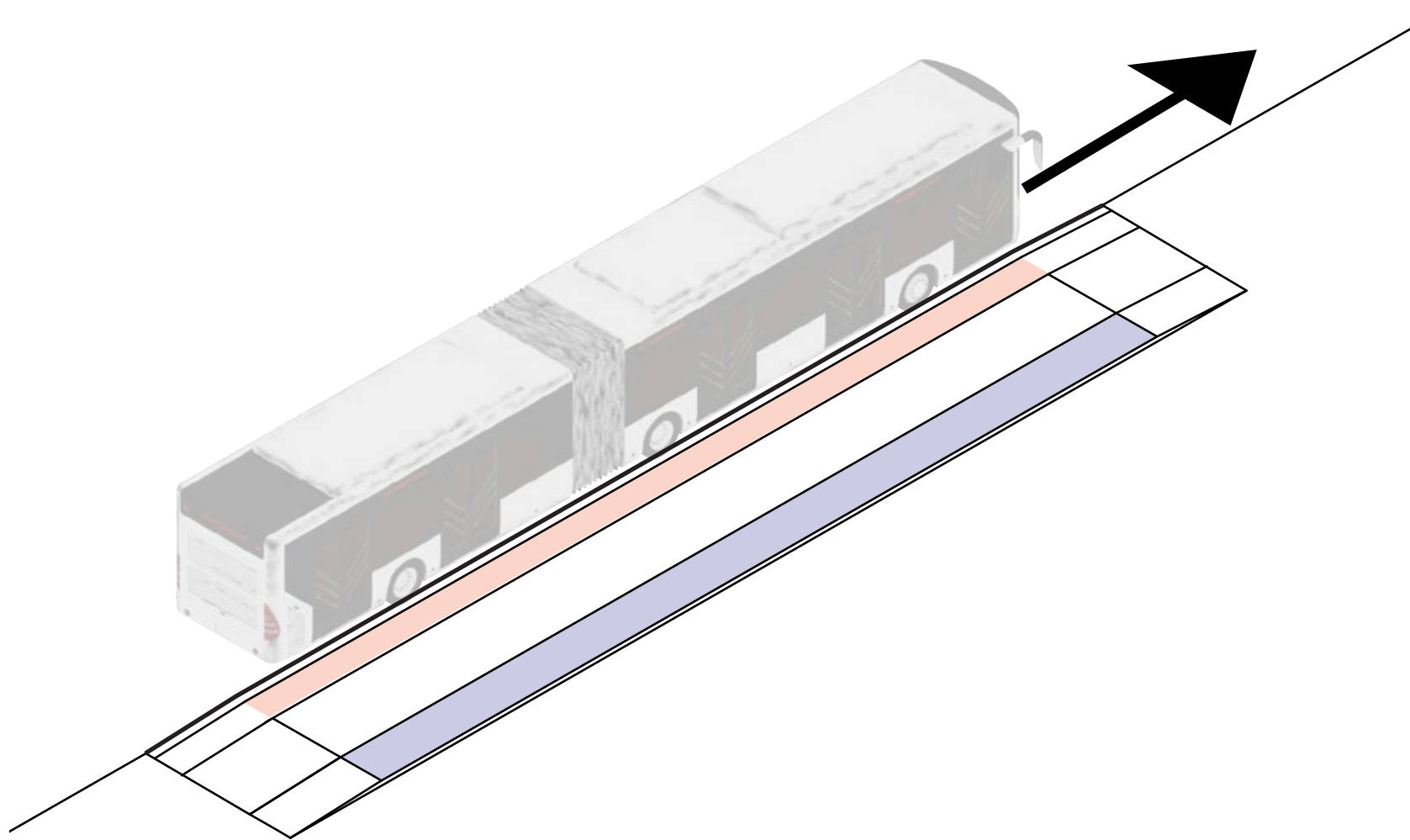
# STATION PLATFORM TYPES

## SIDE-LOADING PLATFORMS

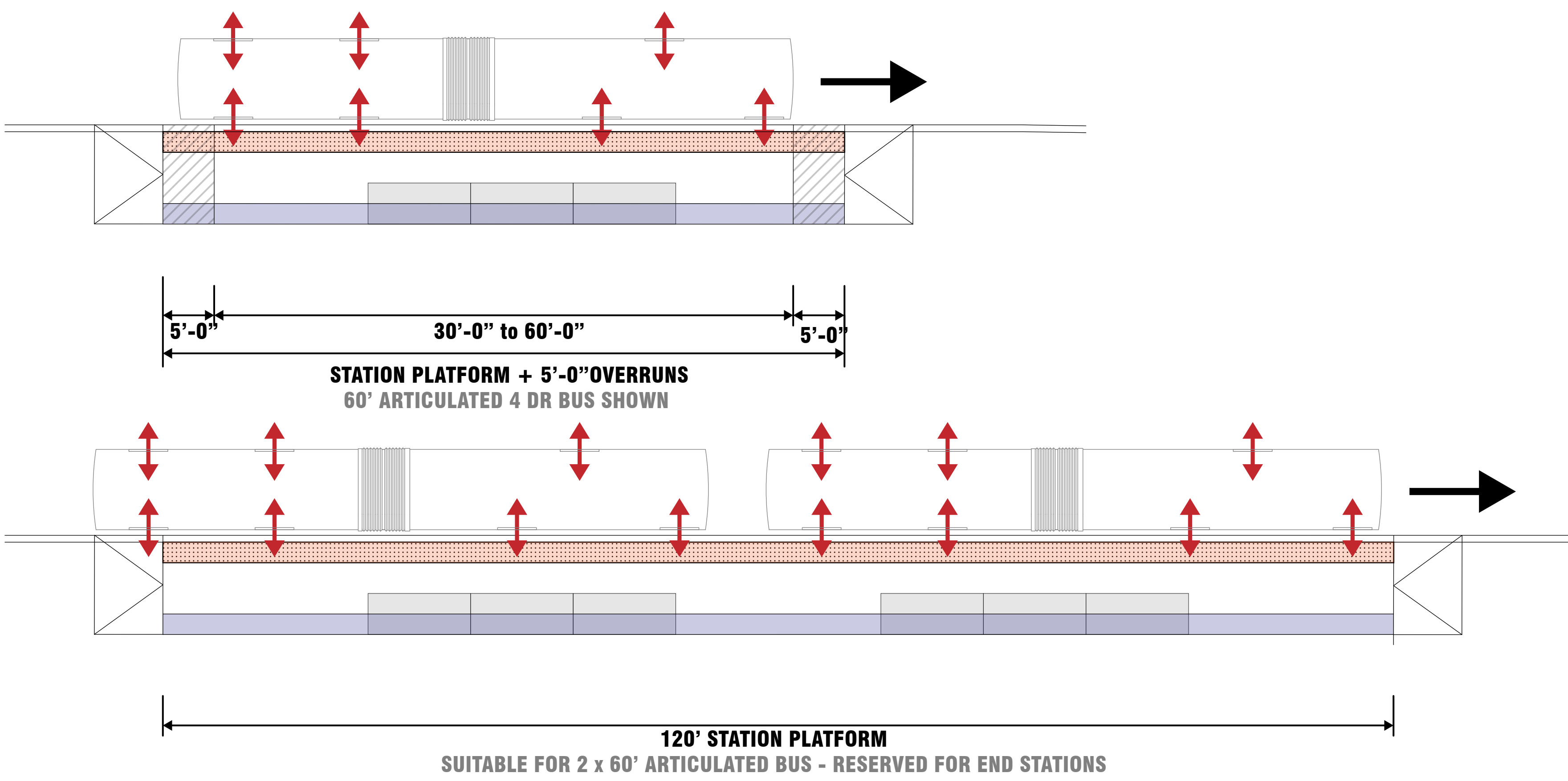
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SIDE LOADING PLATFORM



PERSPECTIVE -  
SIDE LOADING PLATFORMS

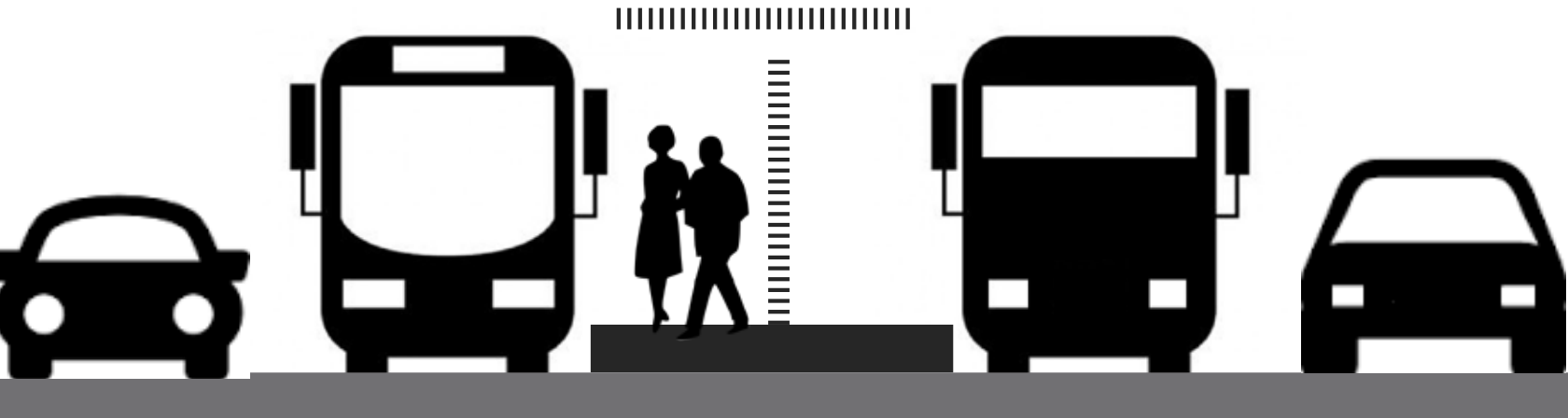


PLANS -  
SIDE LOADING PLATFORMS

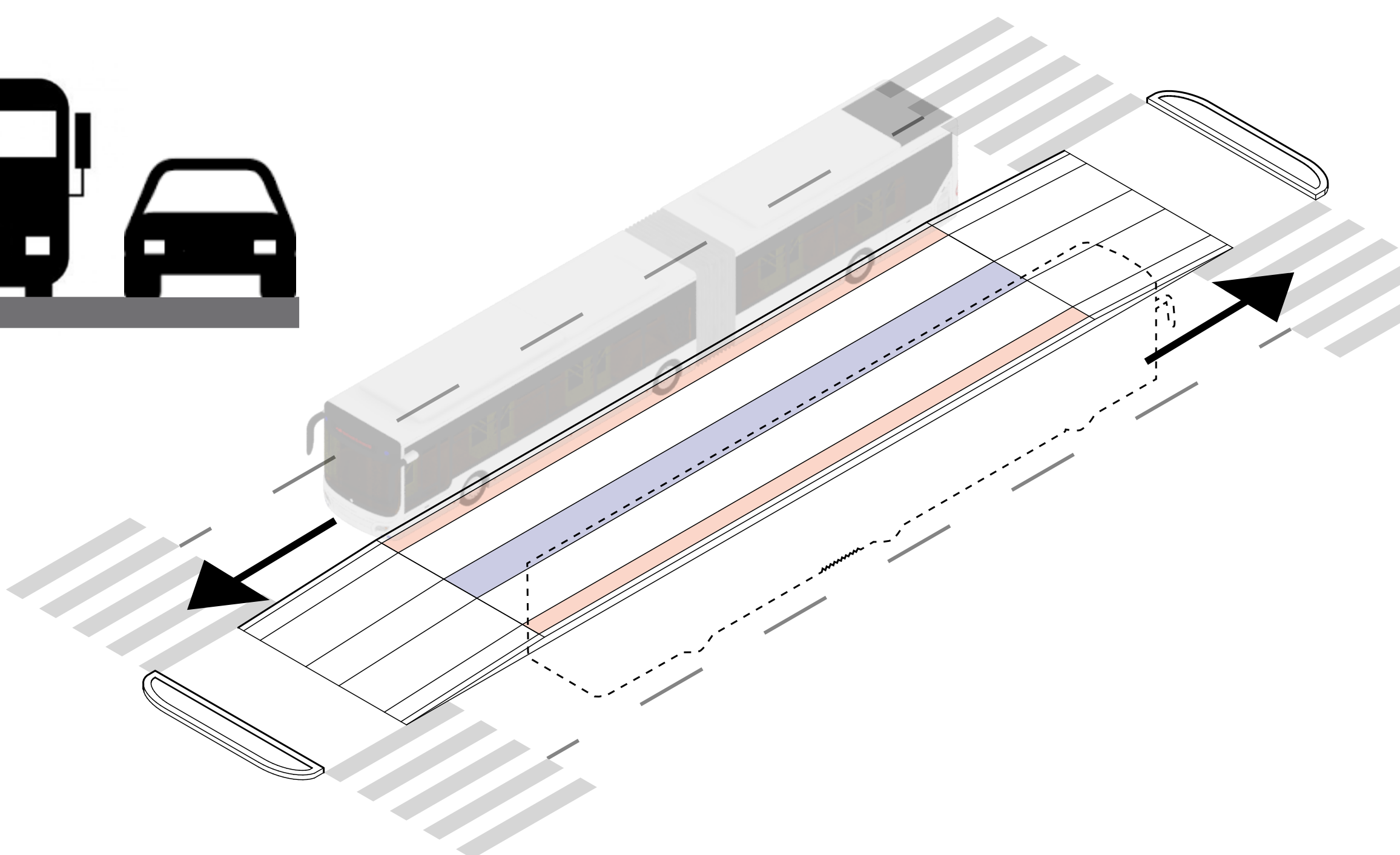


## CENTER-LOADING PLATFORMS

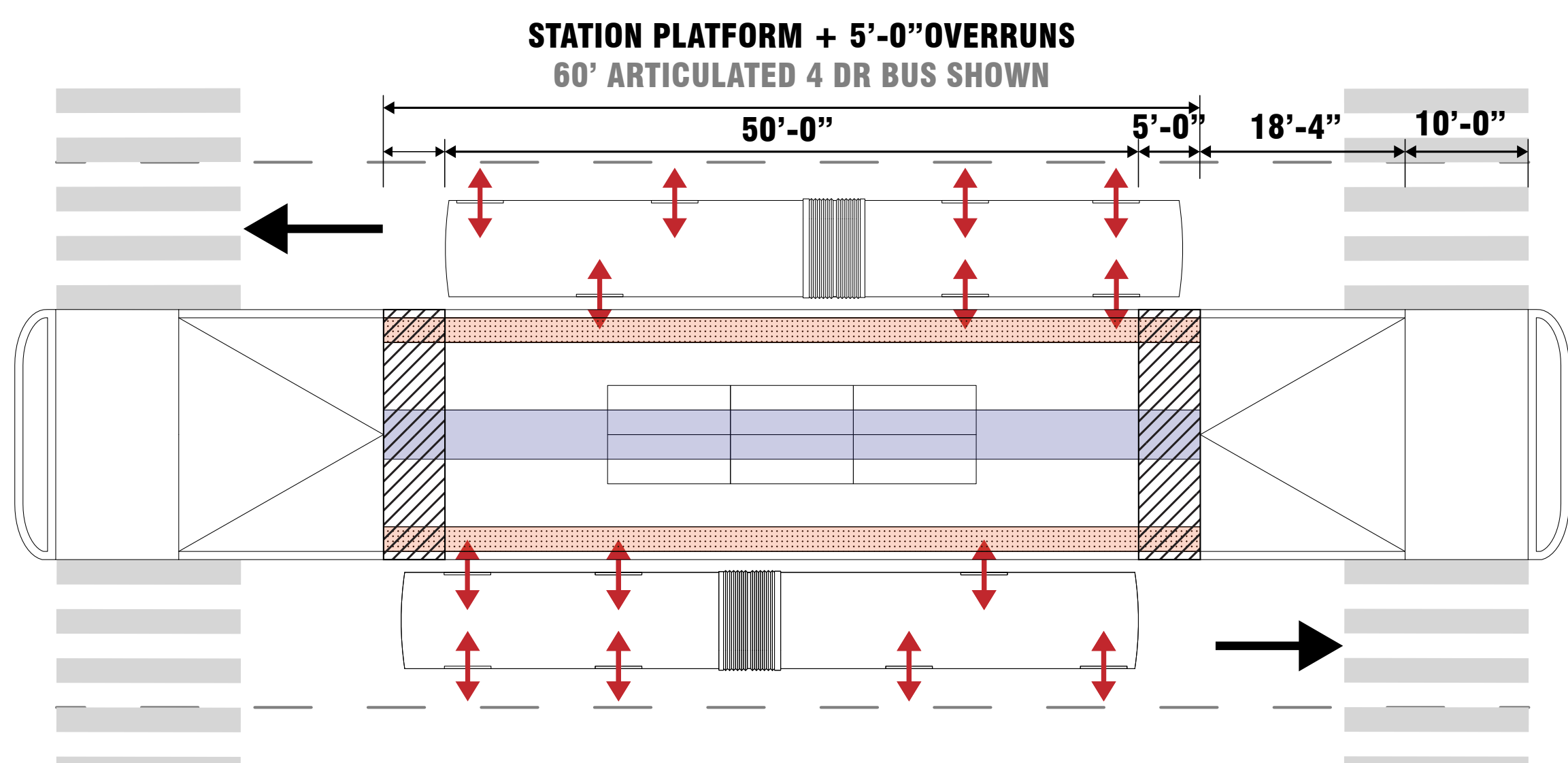
SECTION -  
CENTER LOADING PLATFORM



PERSPECTIVE -  
CENTER LOADING PLATFORMS



PLAN -  
CENTER LOADING PLATFORM



## Shelter Examples



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BUS RAPID TRANSIT STATION DESIGN PROTOTYPES

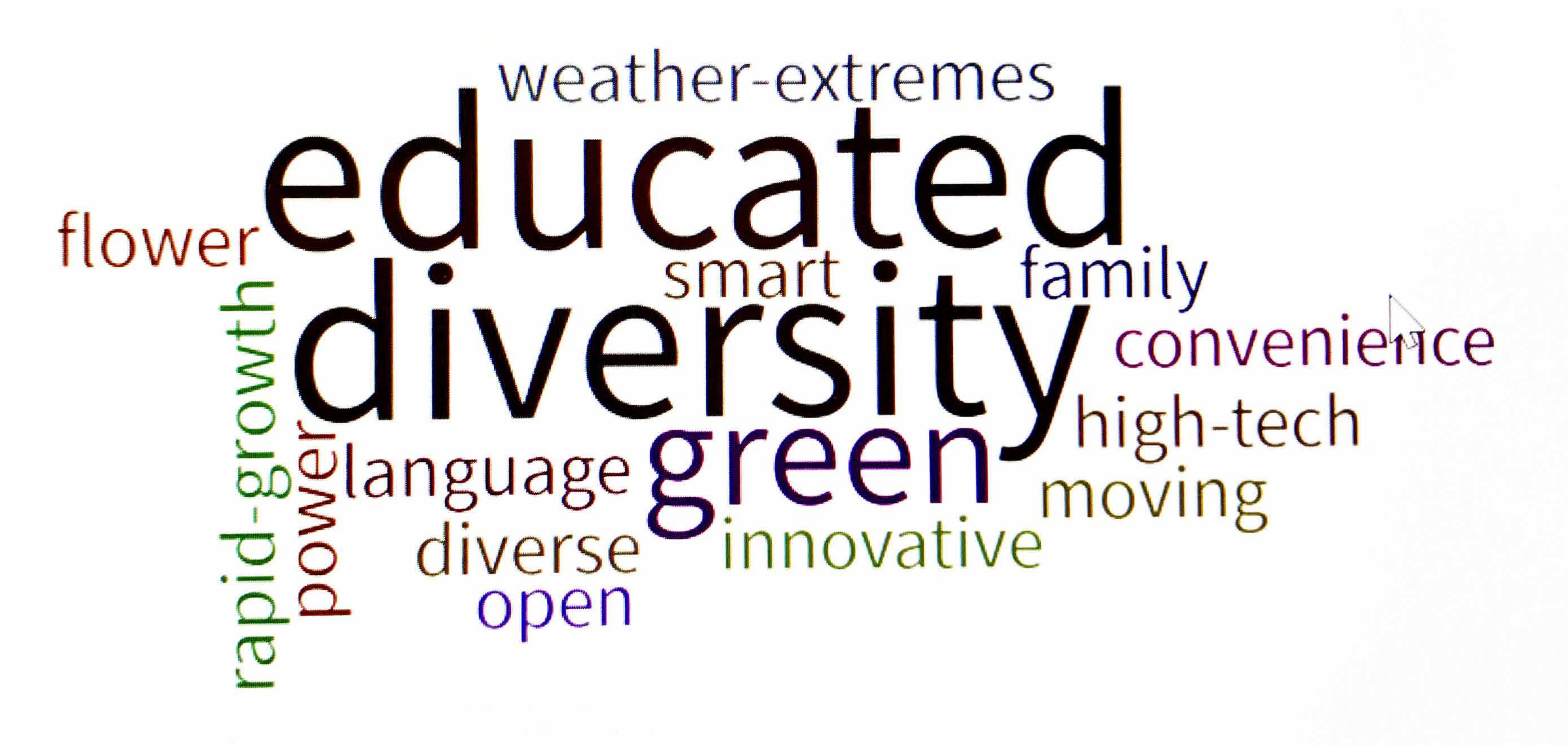


# DESIGN IDENTITY & CHARACTER

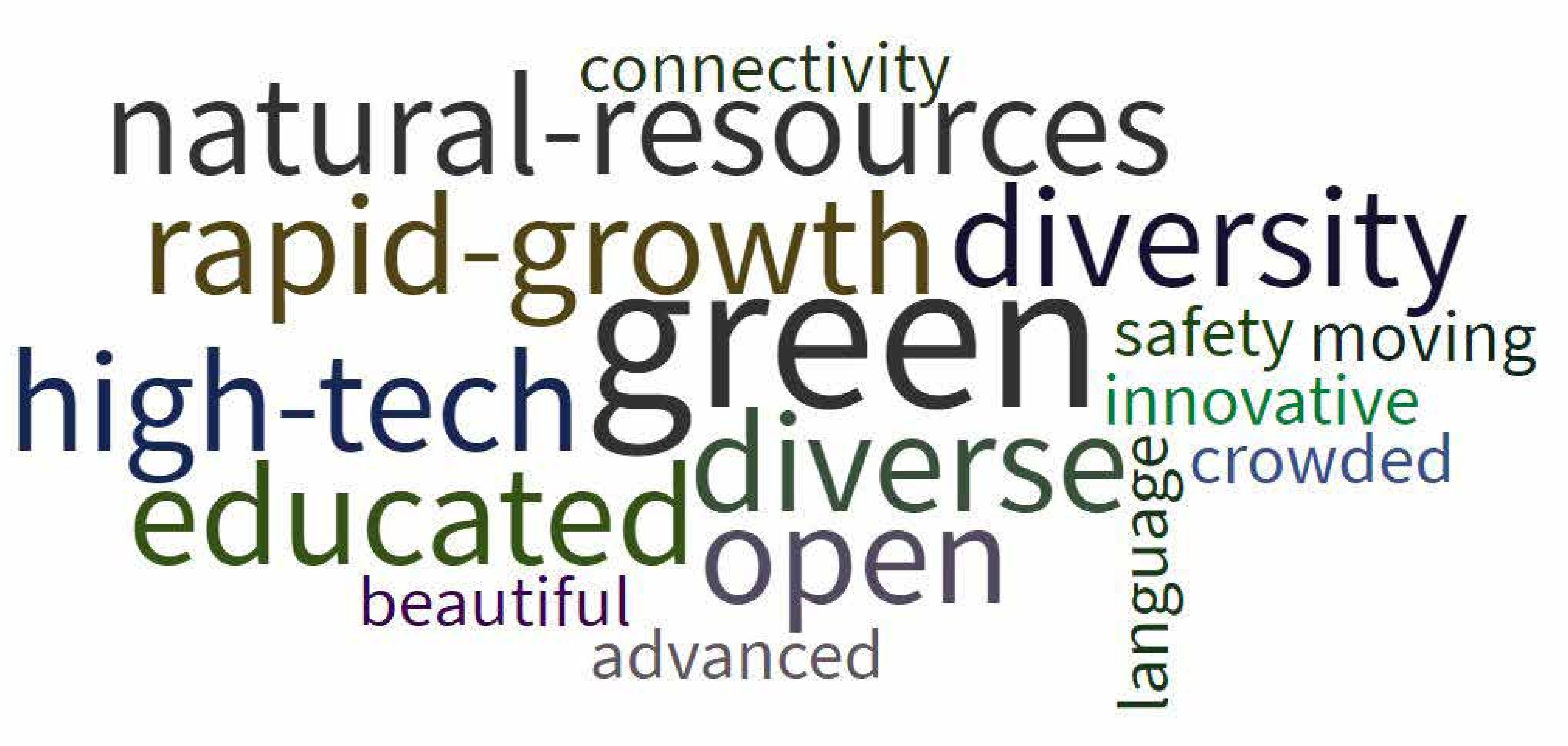
Reflecting Montgomery County

DESCRIBE IN ONE WORD HOW A DESIGN MIGHT REFLECT THE CHARACTER AND QUALITY OF MONTGOMERY COUNTY

FEBRUARY 7 OPEN HOUSE  
MONTGOMERY COLLEGE, GERMANTOWN



FEBRUARY 8 OPEN HOUSE  
EXECUTIVE OFFICE BUILDING, ROCKVILLE



MWCOG TLC GRANT – MONTGOMERY COUNTY DOT  
BUS RAPID TRANSIT STATION DESIGN PROTOTYPES