GetOnBoardBRT
BUS RAPID TRANSIT IN MONTGOMERY COUNTY

US 29
BRT Station Design
May 23rd, 24th, & 25th, 2017

ZGF
ZIMMER GUNSUL FRASCA ARCHITECTS LLP

MCDOT
Montgomery County
Department of Transportation

Station Design - Agenda

- Introduction – Design Goals

- Station Design - Best Practice Examples

- MCDOT BRT Stations – Types and Amenities

- Previous Community Input

- Design Opportunities – Local Materials & Sustainability

- The Station Family – Adaptation to Capacity and Context

- Questions & Comments

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Station Design - Goals

1. Easy to Find and Use

2. Accessible

3. Safe and Comfortable

4. Adaptable and Context Sensitive

5. Maintainable

6. Good Life-Cycle Investment

Basic Rider Comfort =
User Information
Weather Protection / Rain and Wind
Seating

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Station Design – Best Practices

SCALE, FORM, IMAGE & ENCLOSURE

Station Design – Best Practices

MATERIAL

VANCOUVER, CANADA

CEBU, PHILIPPINES

LAS VEGAS, NEVADA

TEMPE, ARIZONA

LIGHTING

GRAND RAPIDS, MI

LIVERPOOL, UNITED KINGDOM

PORTLAND, OREGON

PUBLIC ART

PAVING
PORTLAND, OREGON

WHEN THE COYOTES CRY YOU'LL HEAR THE CHINOOK WIND

STRUCTURE / LIGHTING
DALLAS, TEXAS

FURNITURE
PORTLAND, OREGON

WINDSCREENS
DALLAS, TEXAS

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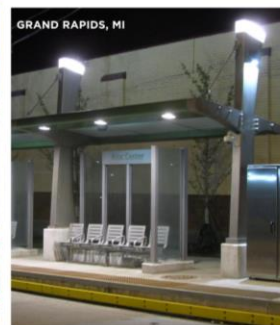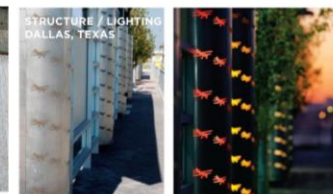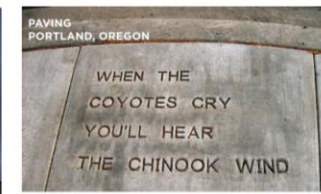
Station Design - Types

STATION PLATFORM TYPES

There are two station platform types:

- Side-loading - which may be accessed directly from a sidewalk
- Center-loading - which may be located in a roadway median

SIDE-LOADING PLATFORMS

SECTION DIAGRAM

Adjacent
Conditions
Vary

CENTER-LOADING PLATFORMS

SECTION DIAGRAM

Station Design – Amenities
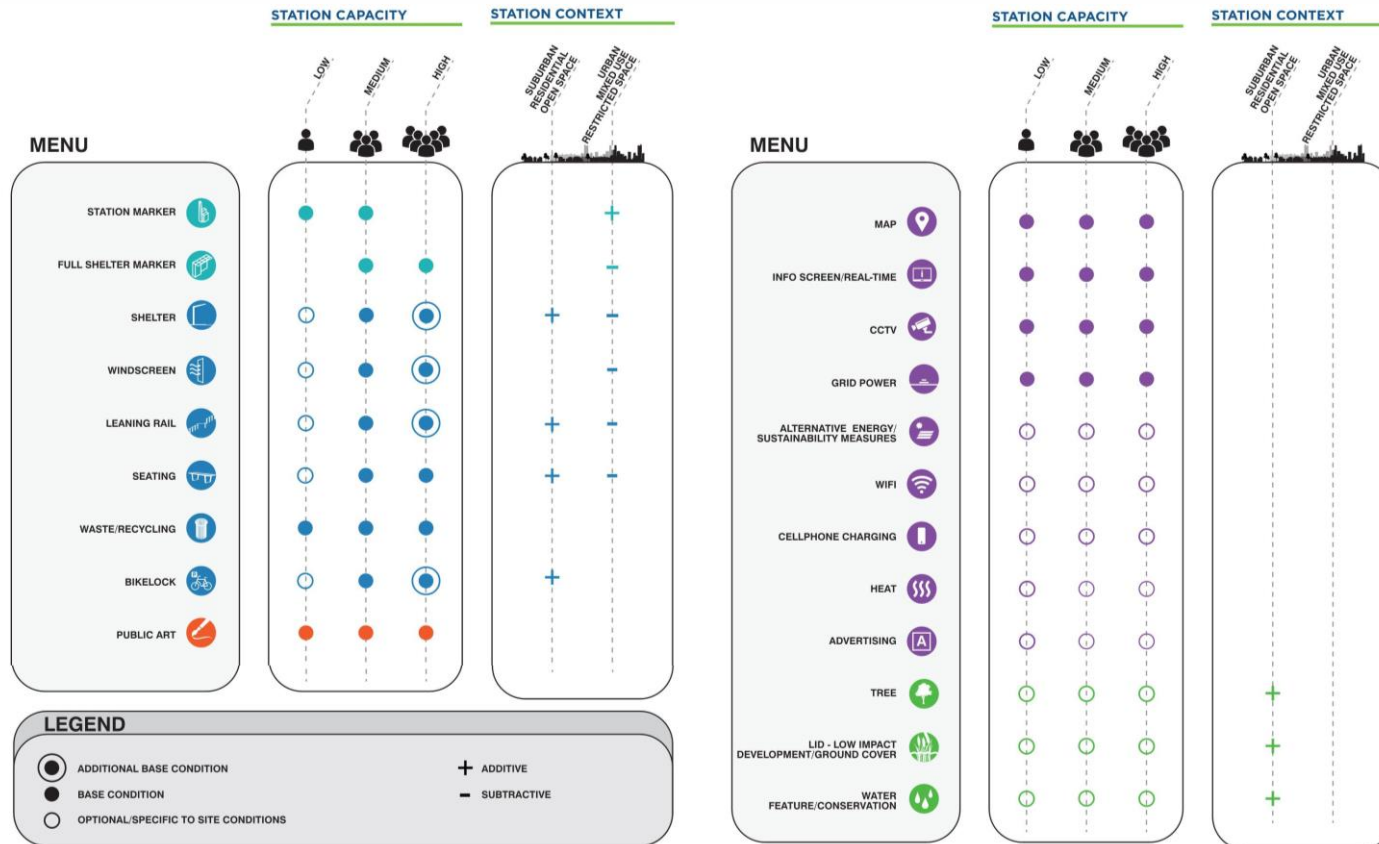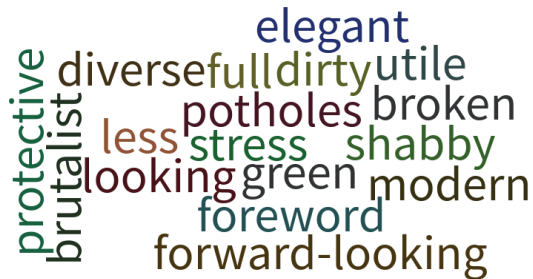
Station Design – Community Input

Open House Question:

Describe in one word how a design might reflect the character and quality of Montgomery County?

Silver Spring Civic Center
March 7th

Montgomery Blair HS
March 13th

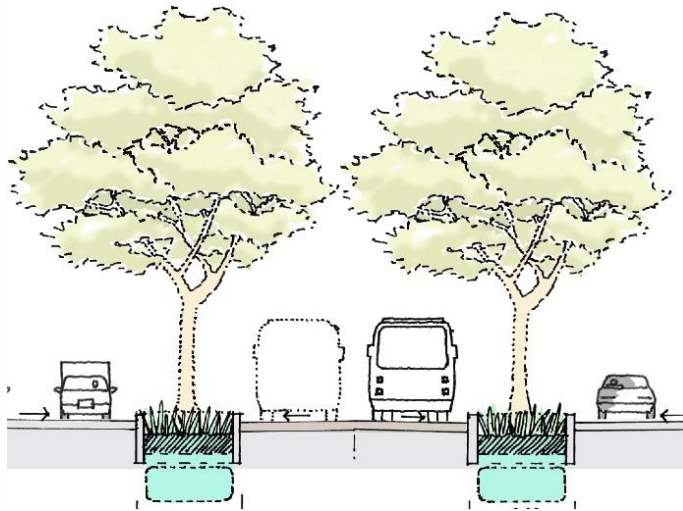**White Oak Community Center**
March 15th

Design Features – Local Materials
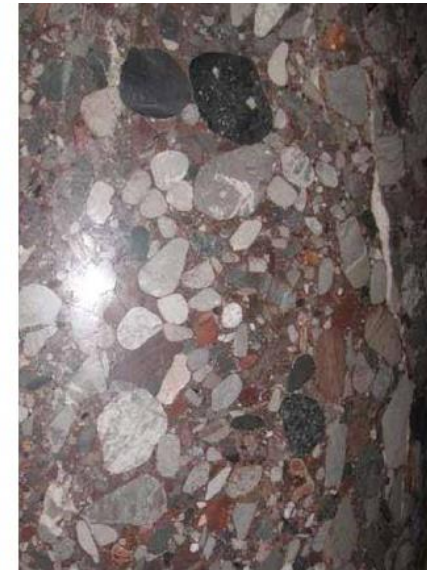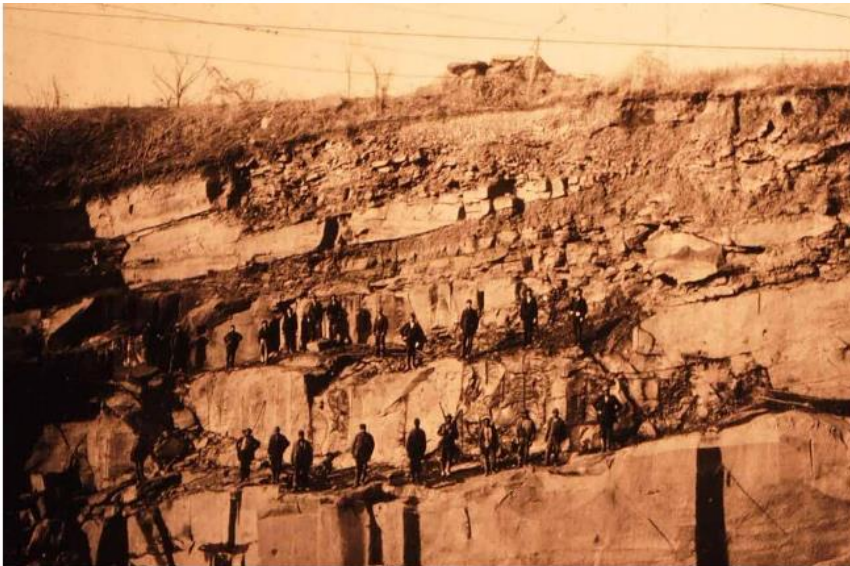
Historically Quarried Stone
in Montgomery County

Seneca Red Sandstone (far left)
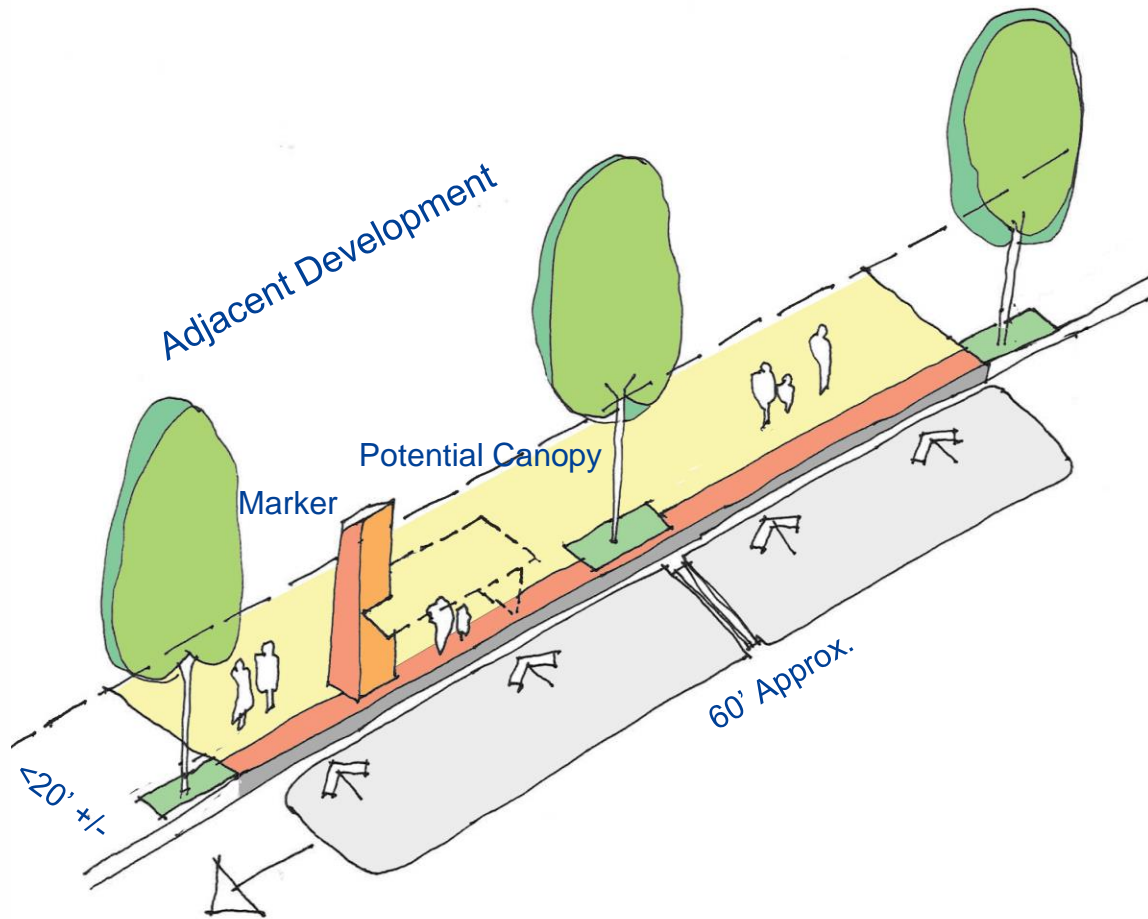Sykesville Gneiss (left)
Potomac Marble (above)

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Design Features – Sustainability

Energy Production - PV

Stormwater Management & Enhanced Landscape

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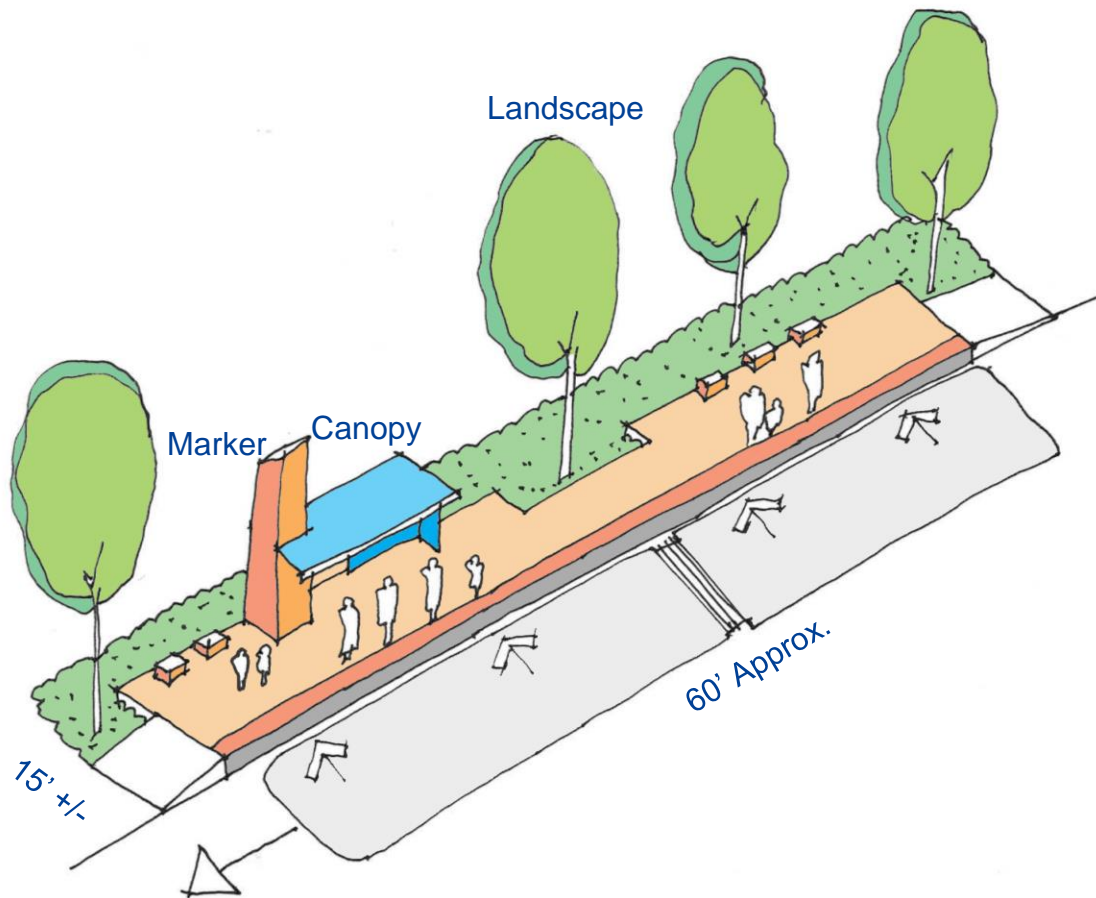
Station Family

Type 1

Urban Streetfront –
Shared Sidewalk

1 Marker +
1 Potential Small
Canopy

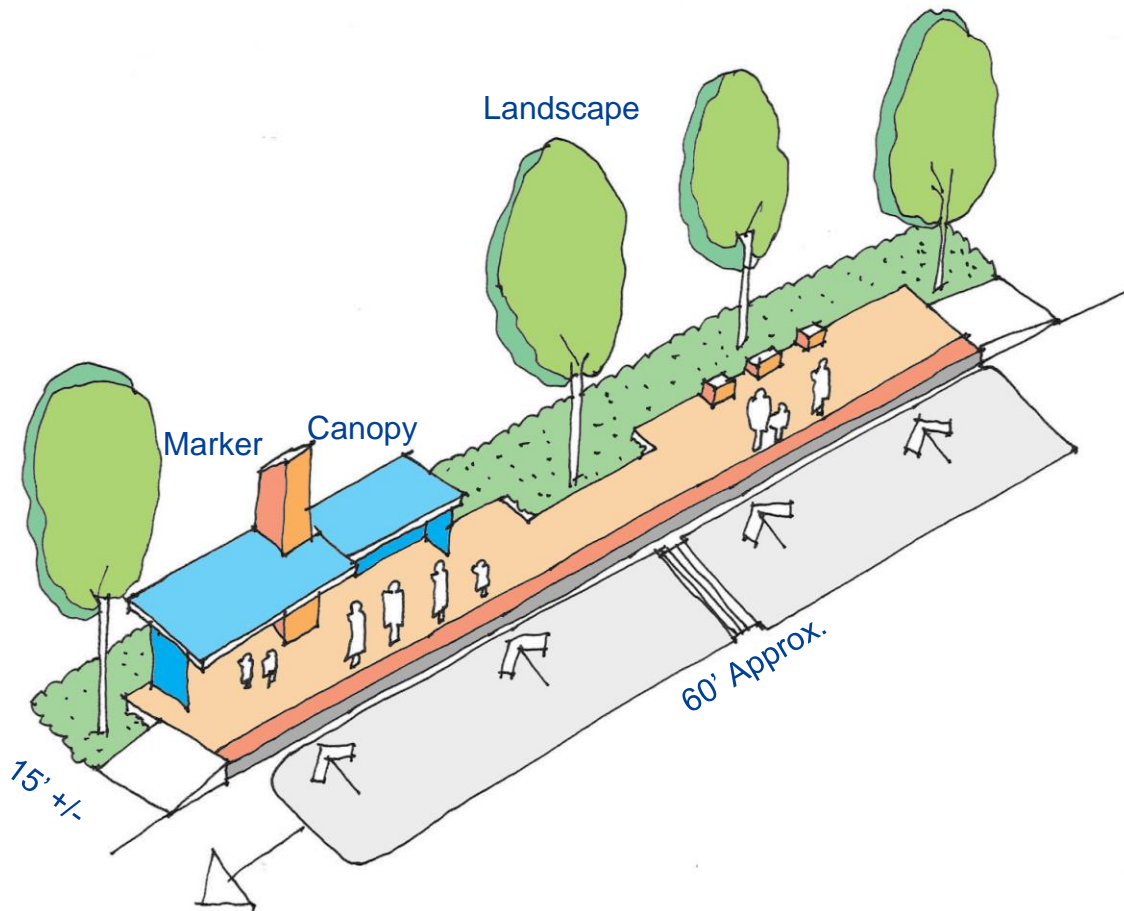# Station Family

Type 2
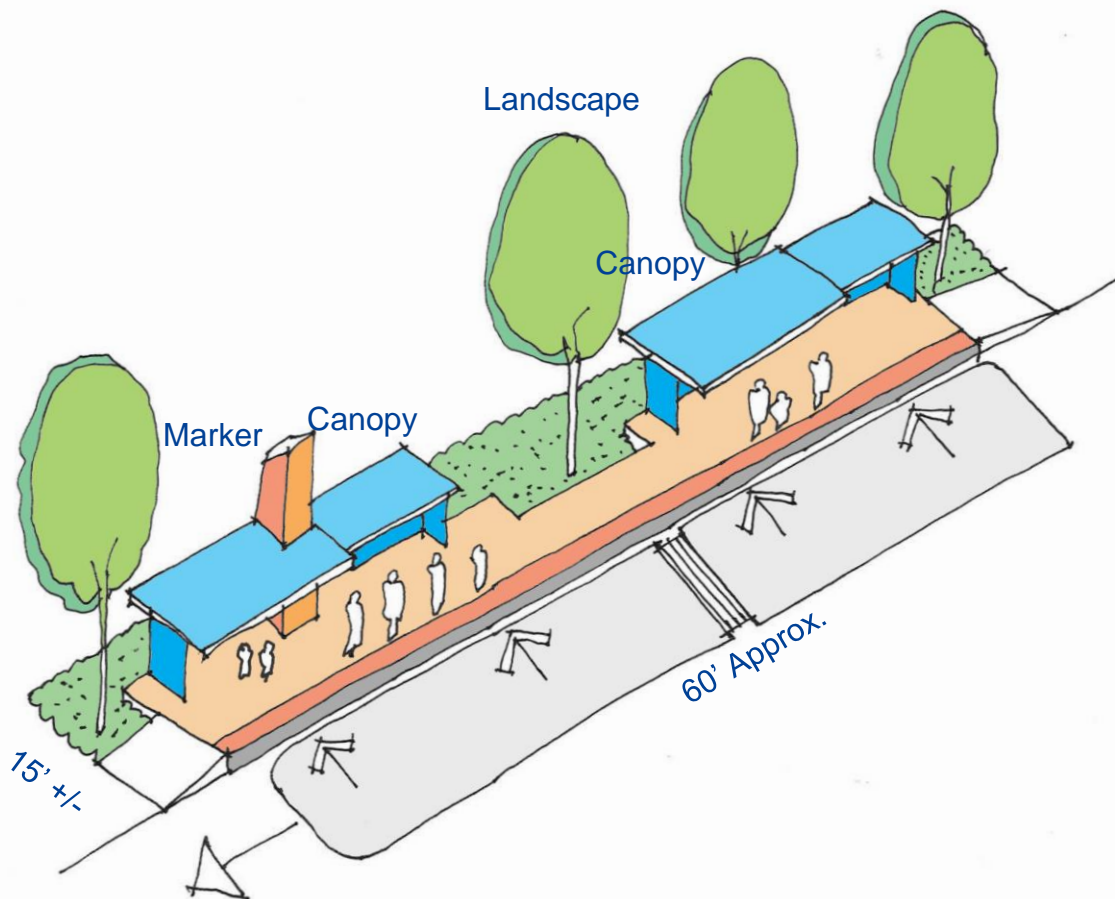
1 Marker +
1 Small Canopy
& Landscape

Station Family

Type 3

1 Marker +
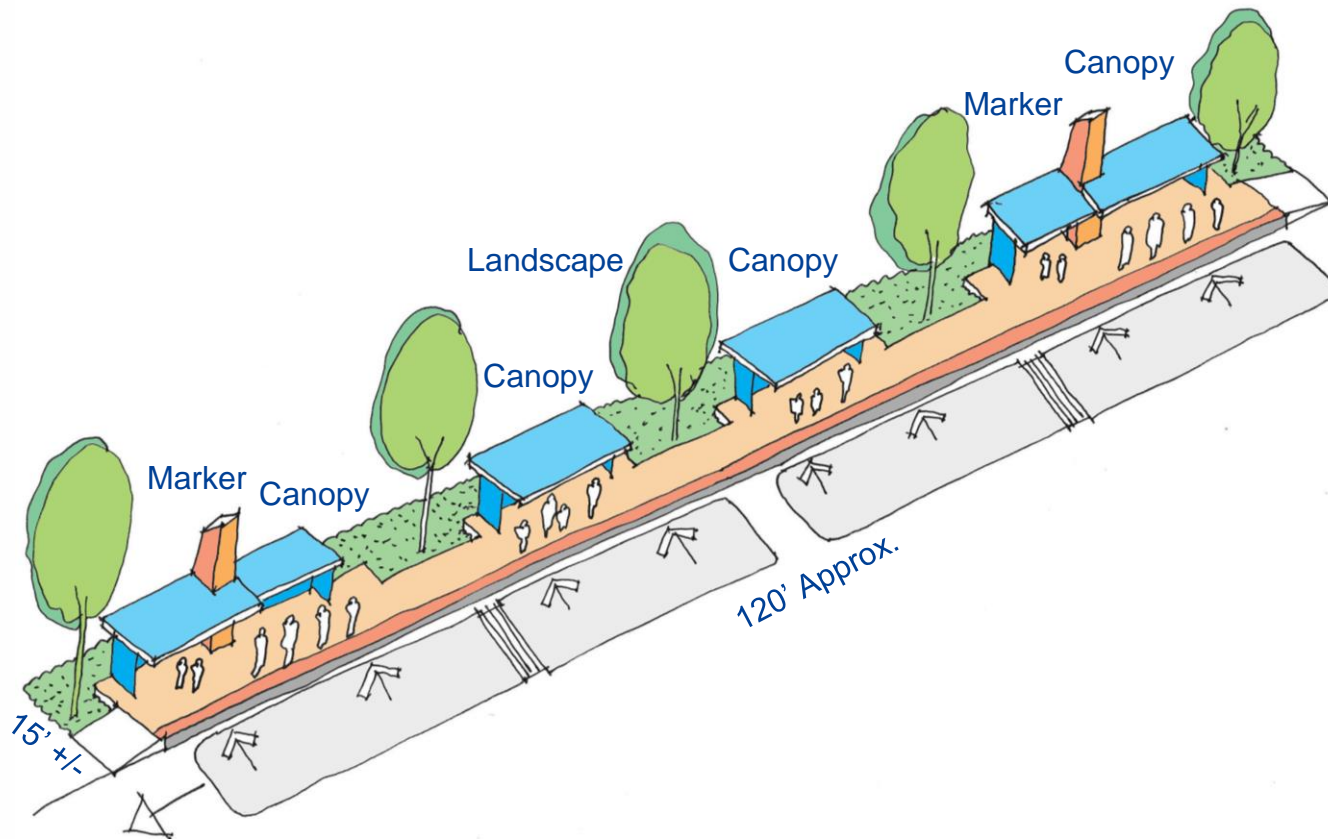1 Large Canopy
& Landscape

Station Family

Type 4

1 Marker +
2 Large Canopies
& Landscape
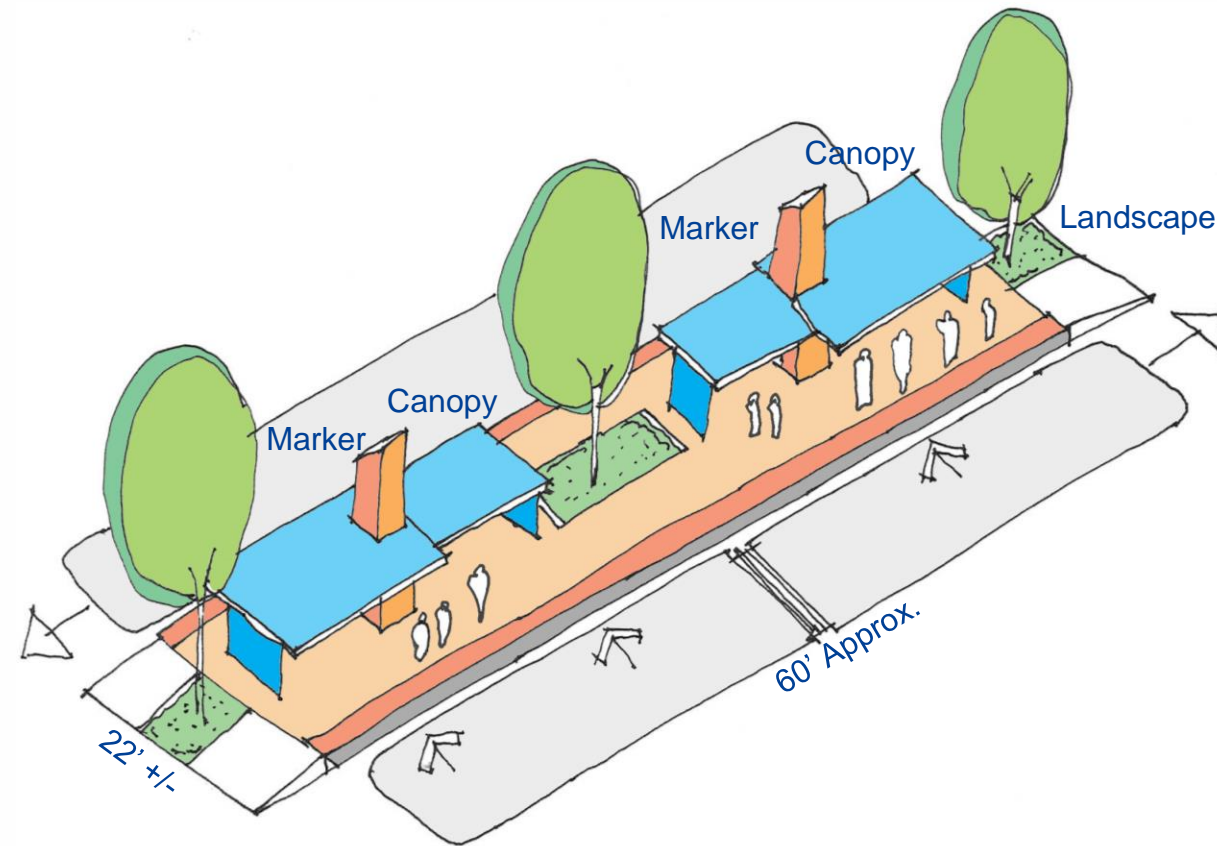
Station Family

Type 5

Double Station –
High Capacity

2 Markers +
4 Canopies
& Landscape

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Station Family

Type 6

Center Station

2 Markers +
2 Canopies
& Landscape

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BRT Station Design
Questions / Comments?

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