Pedestrian Safety Task Force, July 21st, 2015

## Bus Stop Placement Criteria

#### The past...

- No criteria
- Little to no planning or design
- One size fits all approach
- Not data driven





August 2014

### Criteria for Bus Stops

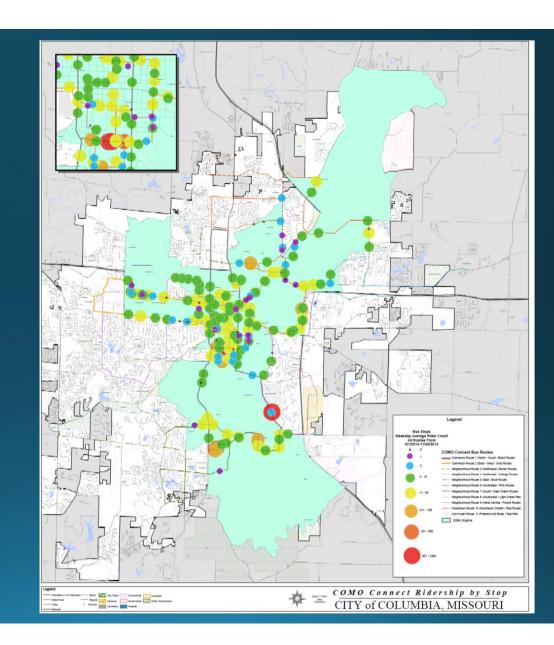
#### Safety

- Street lighting
- Boarding & alighting area
- Sidewalk access
- Near light-controlled intersections or near crosswalks
- Bus safety / traffic issues

#### Access

- Near high frequency destinations
- ADA accessible
- Sidewalk access
- At or near intersections or street corners for better access in inclement weather
- Bus accessibility / operations

# Stop Ranking Reports and Heat Maps



### New Criteria for Bus Stops

#### Safety

- Street lighting
- Boarding & alighting area
- Sidewalk access
- Near light controlled intersections or near crosswalks
- Bus safety / Traffic issues

#### Access

- Near high frequency destinations
- ADA accessible
- Sidewalk access
- At or near intersections or street corners for better access in inclement weather
- Bus accessibility / operations

# FTA Guidance Released this Spring



TRANSIT COOPERATIVE RESEARCH PROGRAM

#### **Better On-Street Bus Stops**

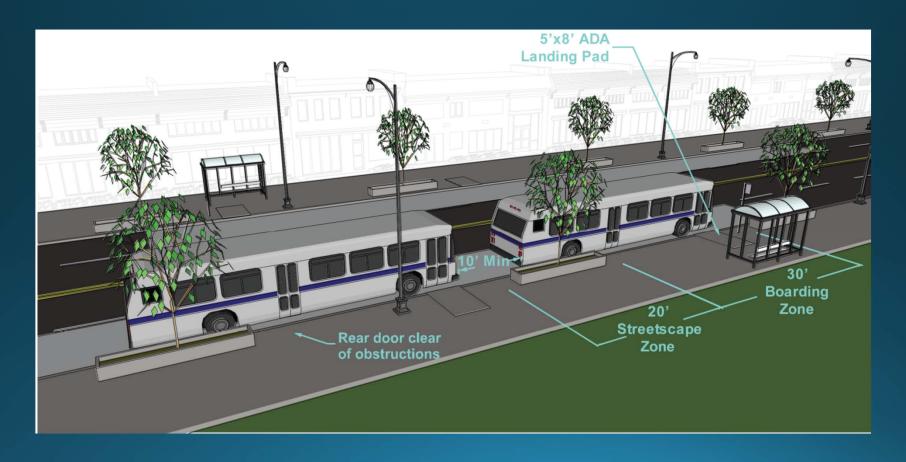


Sponsored by the Federal Transit Administration

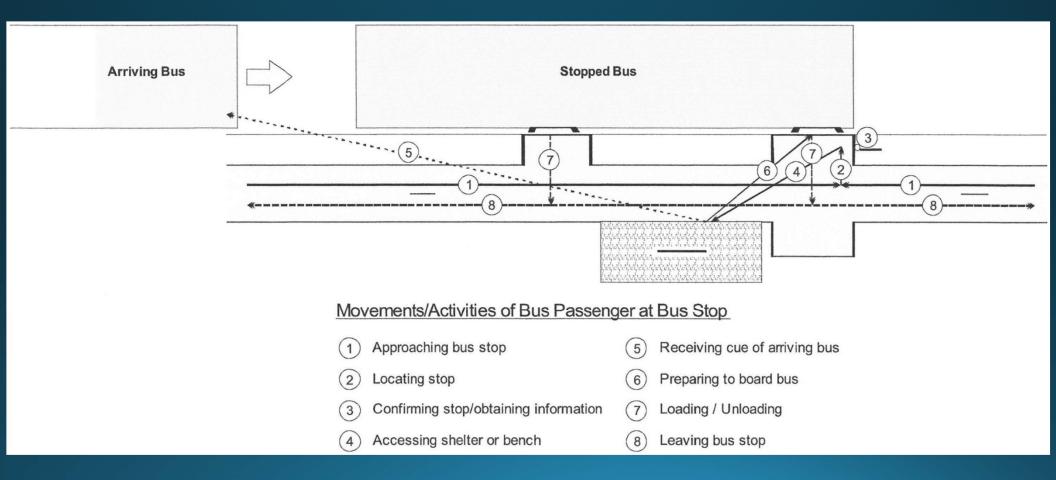
A Synthesis of Transit Practice

TRANSPORTATION RESEARCH BOARD OF THE NATIONAL ACADEMIES

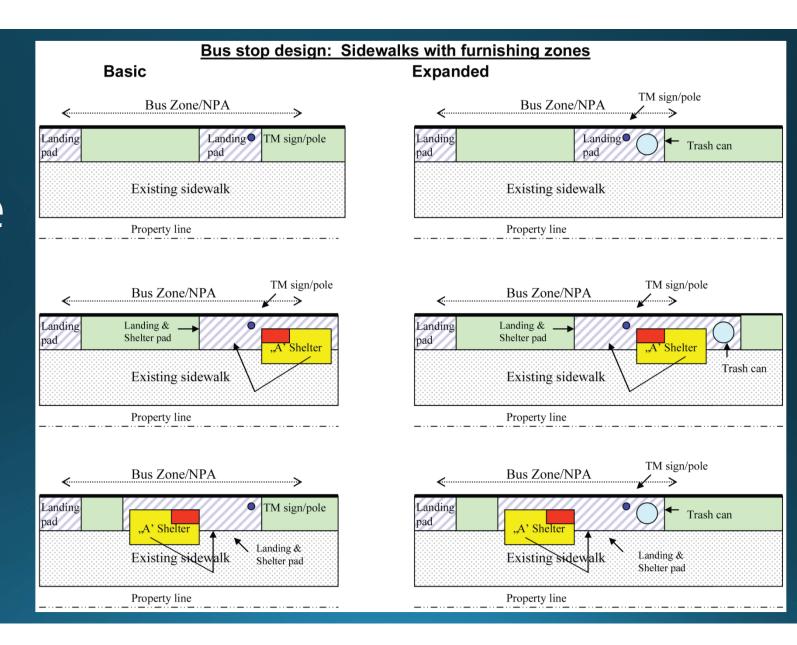
#### FTA Guidance



#### FTA Guidance



### FTA Guidance



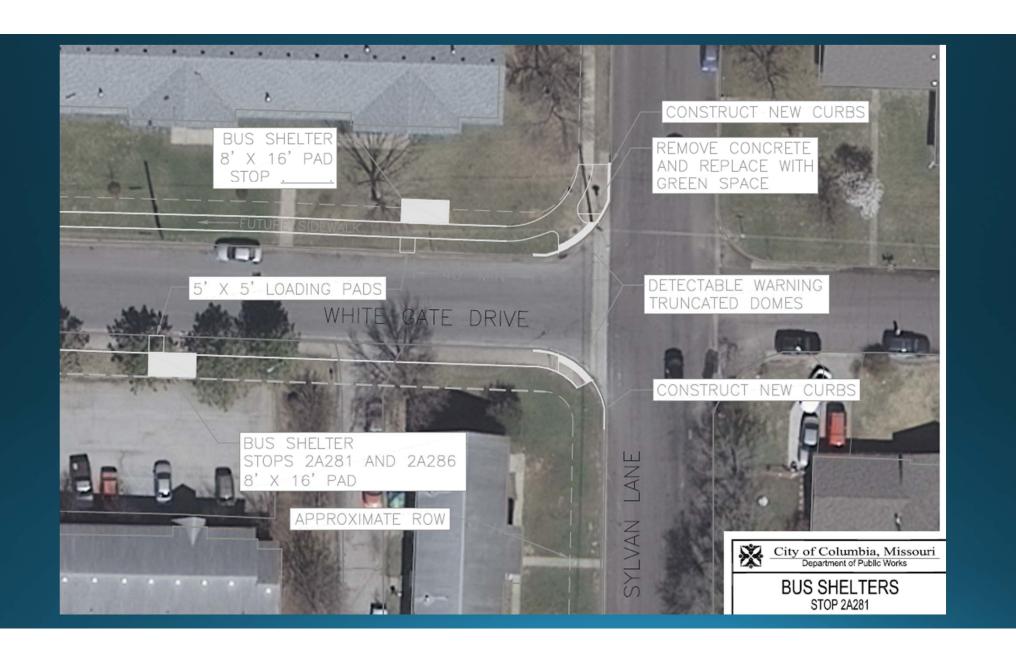
### Challenges

- Funding
- Sidewalks access Citywide
- Right of Way
- Stability
- Safety vs. Access balance

### Improvements







### New Shelter Designs



THE FAB COLLAB RJ BALDWIN, CHASE JOHNSON, DUY TRAN + LINDSAY WEBB MU ARCHST4323

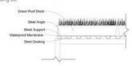
#### CONCEPT

The fall Collab head of the Columbia Bankt System bus too redesign is based on vessality modularity and substandarity. With authorisis conting the eye of notes and versality modularity and substandarity. With authorisis conting the eye of notes and versalized processing the eye of notes and versalized processing the eye of notes and pulled transportation system. A living art gallery displaying Columbia's local artists will be featurated at every first and experts.

#### **GREEN INITIATIVES**

ENERGY: This consideration of a more efficient approach to saving electricity was acknowledged by the introduction of solar panels into our design solation. Proteoplish is will be located on a duta law scharting power located above the electric like instrugie area. Earl- test of solar panels will be site-specifically installed to maximize solar gain for each but sate potention. This system will be the source of power for the interior LED tube lighting for night sue.

WATER, Sutanability is capitalized on our green roof system. Nee thirds of the roofspore in the composed of given not block to collect a large amount of animate and any numit from the relate portion of the roof excluding the blockwast biopara cancey at top, will be follected by a guiter system and then displaced among the surpording size.



INDOOR AIR QUALITY: Circulation will be controlled by the open entry space up that and cross vertiliation will be governed by perforated lock plates at the base of all transparent panels and shrough the open canopy at the rooftop.

#### COST ESTIMATE

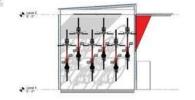
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#### MANFACTURERS



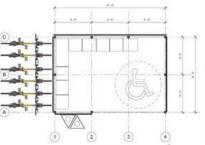


PANEL OPTIONS













CONNECTION DETAILS

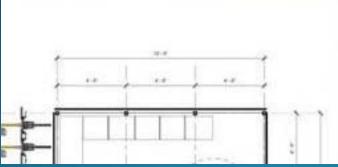


**ORIENTATIONS** 



### New Shelter Designs







### New Shelter Designs



## Bus Stop Viewer

http://intra-test.columbia.mo.gov/gisdev/comoconnectviewer/

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