HOW DID WE GET HERE?

OVERVIEW

1 CENTRAL OMAHA TRANSIT ALTERNATIVES ANALYSIS (AA)

In May 2014, Metro, in partnership with the City of Omaha and Metropolitan Area Planning Agency (MAPA), completed the Central Omaha Transit Alternatives Analysis (AA). Based on an extensive technical analysis and public outreach effort, the AA identified a BRT line connecting downtown to the Westroads Mall as well as an Urban Circulator line connecting North Downtown, Downtown, Midtown, and University of Nebraska Medical Center (UNMC) as the locally preferred alternative (LPA). The MAPA 2035 Long Range Transportation Plan (LRTP) was amended to include the LPA recommendations.

Central Omaha
TRANSIT
ALTERNATIVES
ANALYSIS

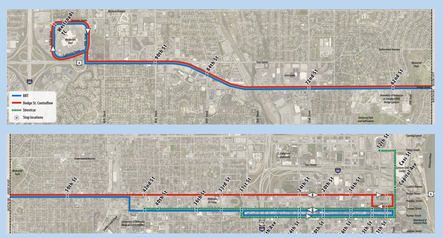
2 TRANSPORTATION INVESTMENT GENERATING ECONOMIC RECOVERY (TIGER) GRANT

In April 2014, Metro applied for a federal TIGER grant for the implementation of the Central Omaha BRT. TIGER is a federal grant program that provides a unique opportunity for the US DOT to invest in road, rail, transit and port projects that promise to achieve national objectives. In the fall of 2014, Metro was notified that their application was successful and was awarded $14.9 million for construction of the system. The project is one of 72 out of 797 eligible applications selected for funding.

USDOT
TIGER
DOT.GOV

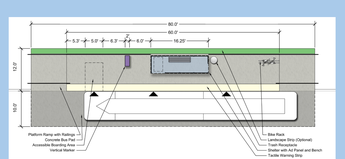
3 AMENDMENT TO LRTP

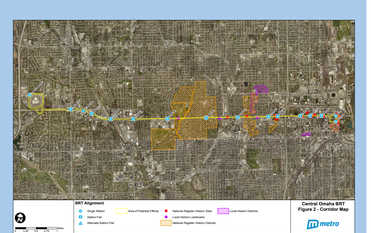
In March 2015, the MAPA 2035 LRTP was amended to move a majority of the Farnam Street segment of the BRT to Dodge Street in order to keep the alignment on one corridor. The Dodge Street corridor intersects nearly every Metro bus route providing a central spine for a regional transit network. The revised alignment provides a loop through downtown by turning south on 10th Street to Farnam Street and back to Dodge Street via 13th Street.



4 ENVIRONMENTAL REVIEW AND PRELIMINARY ENGINEERING (ONGOING)

In February 2015, Metro began an environmental review and preliminary engineering for the project. The environmental review is a requirement for all federally funded projects. The environmental review and preliminary engineering will be complete by fall 2015.





DODGE STREET BRT

OVERVIEW

PROJECT DESCRIPTION

Metro, in partnership with the City of Omaha and the Metropolitan Area Planning Agency (MAPA) is developing preliminary engineering plans and environmental analysis for a new Bus Rapid Transit (BRT) line along the Dodge Street corridor from downtown to the Westroads Mall.

BRT is a high performance and rapid transit mode combining physical and operating improvements into a permanently integrated transit system.

PROJECT SCHEDULE

- Engineering will continue this year
- Construction starting late 2016
- Opening Fall 2018

WHY BRT ON DODGE STREET?

The Dodge Street Corridor connects major employment, entertainment and retail centers in downtown, Midtown Crossing, the University of Nebraska at Omaha (UNO) and three major medical centers: Methodist, Children's, and the University of Nebraska Medical Center. The Dodge Street corridor also intersects nearly every Metro bus route providing a central spine for a regional transit network.

Kansas City, MO

SOCIAL EQUITY

16% of households within 1/4 mile of the BRT do not have access to a car. The benefit to transit dependent populations is valued at $6 million, and will improve access to employment and educational opportunities.

RESPONSIBLE GROWTH

$450 million in development, 1,350 new residents, and 1,200 long-term jobs will be created in the heart of the city. As Omaha continues to grow, the BRT will help manage congestion and impacts on the environment.

MOBILITY

The BRT will offer improved speed and reliability as the spine of the transit network, with 2,740 passengers on opening day. Upgraded amenities will make transit a more viable part of a comprehensive transportation solution.

ROADWAY ENHANCEMENTS

Contraflow Lane

- Eastbound: 31st Street to 10th Street
- A contraflow lane is a dedicated transit lane that runs in the opposite direction from general traffic

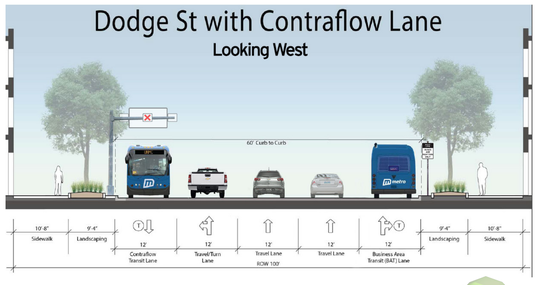
Business Access and Transit Lane (BAT)

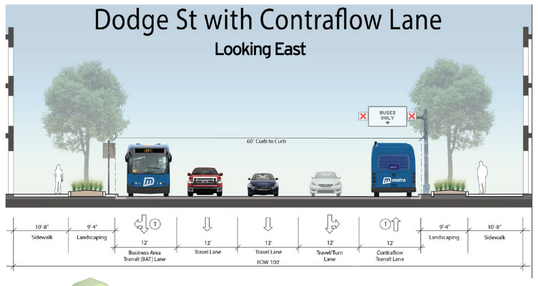
- Westbound: 10th Street to US 75
- Semi-exclusive lane limited to through travel for buses only and right hand turns only for other vehicles

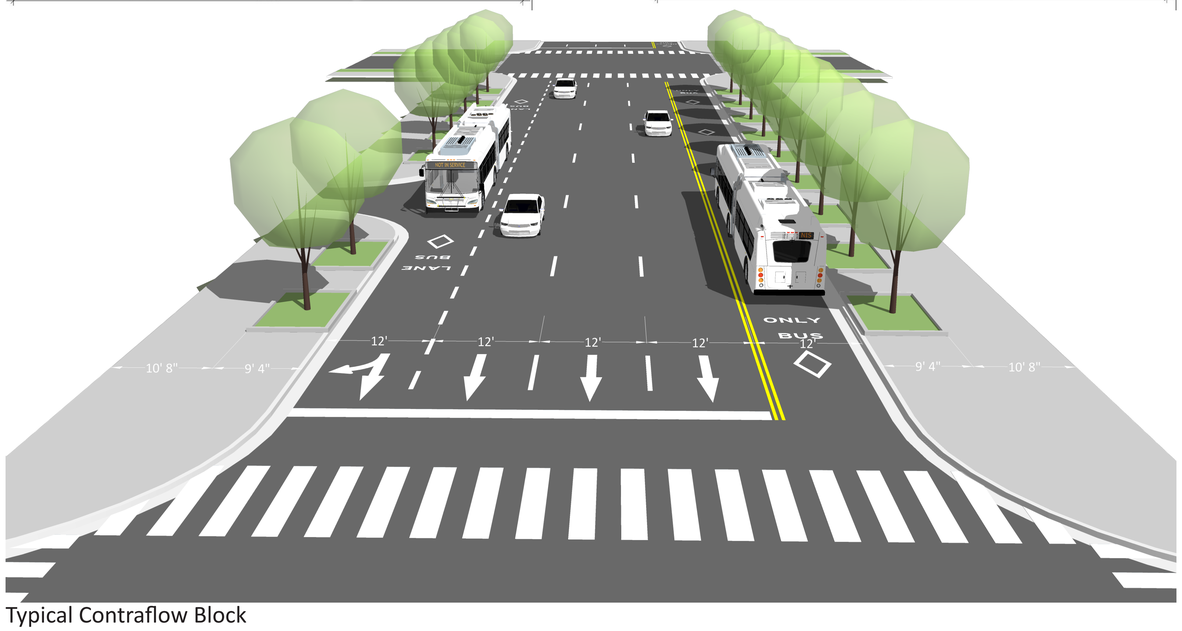
Mixed Traffic

- Eastbound: Westroads Mall to 31st Street
- Westbound: US 75 to the Westroads Mall
- Downtown loop: (10th, Farnam, 13th Street)
- Faster travel times through this segment will be achieved through transit signal prioritization (TSP) and potential queue jumps at major intersections (72nd & 90th).
- A queue jump lane is a relatively short lane that is available for transit vehicles to bypass general traffic at a congested intersection. The transit vehicle would enter a right-turn lane, or a new exclusive transit lane developed on the intersection approach.

Typical Contraflow Block (Eastbound between 31st St. and 10th St. Only)



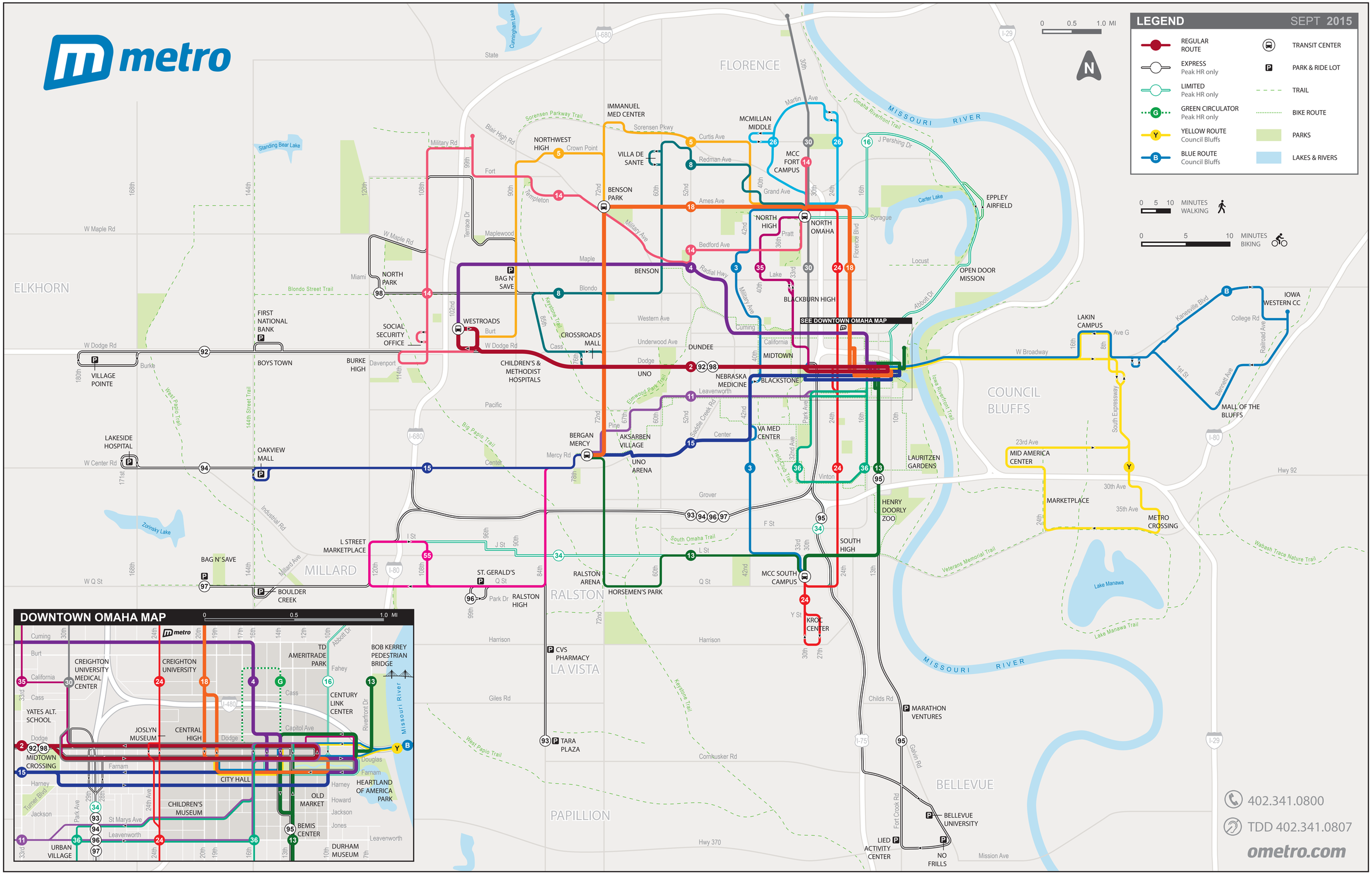




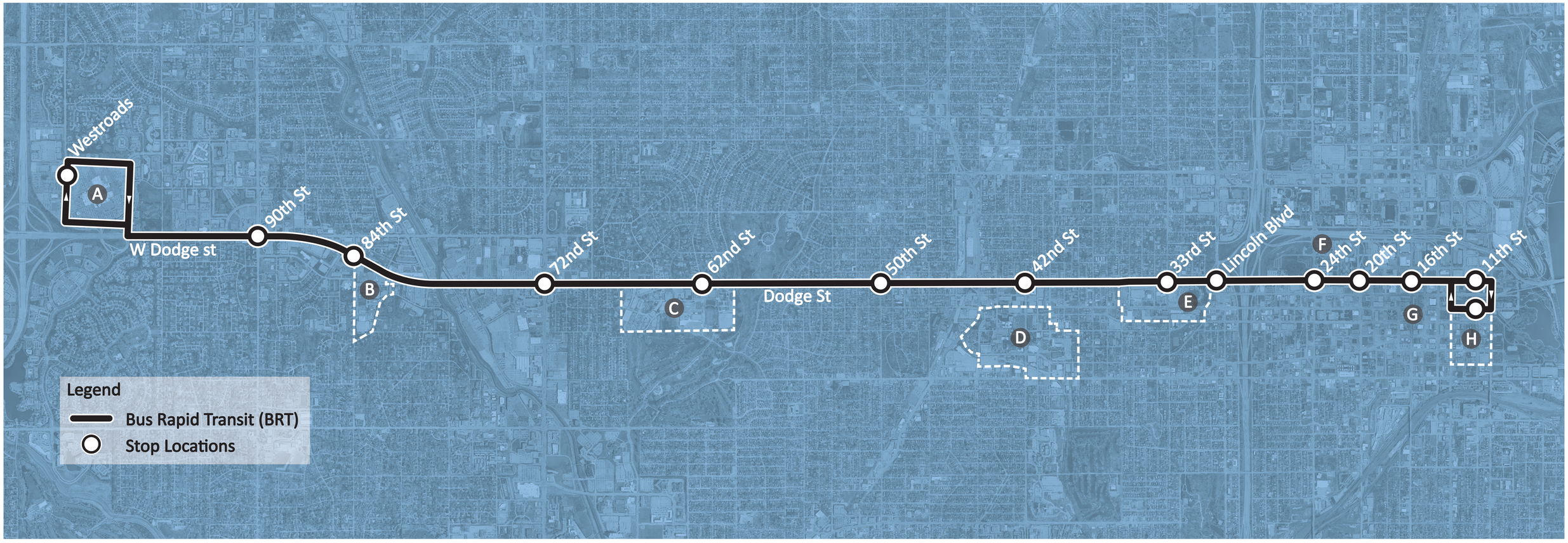
Typical Contraflow Block

CURRENT SYSTEM MAP

OVERVIEW



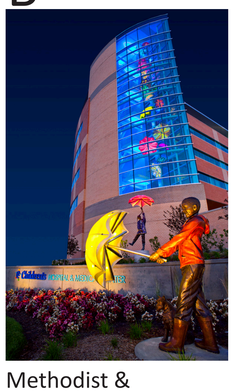
ALIGNMENT / STATION LOCATIONS



A

Westroads Mall

B



Methodist & Children's Hospital

C

University of Nebraska - Omaha

D

University of Nebraska Medical Center

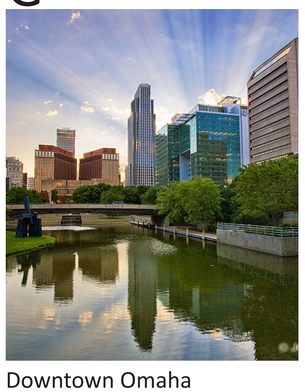
E

Midtown Crossing

F

Joslyn Art Museum

G



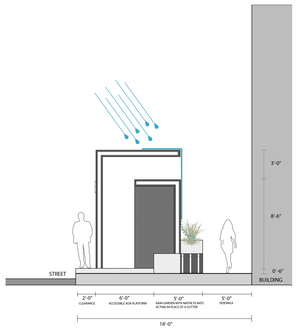
Downtown Omaha

H

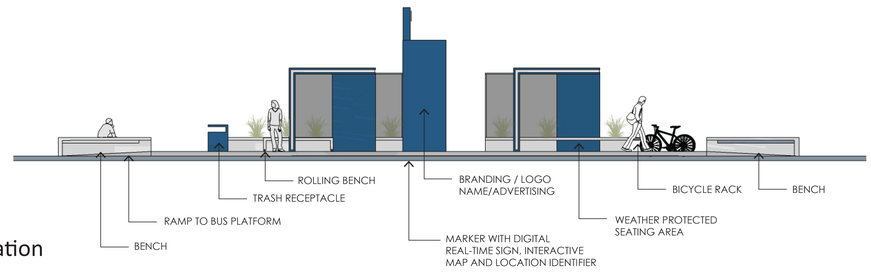
Old Market District

MODERN MODULE

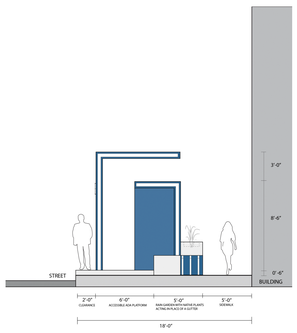
CONCEPT



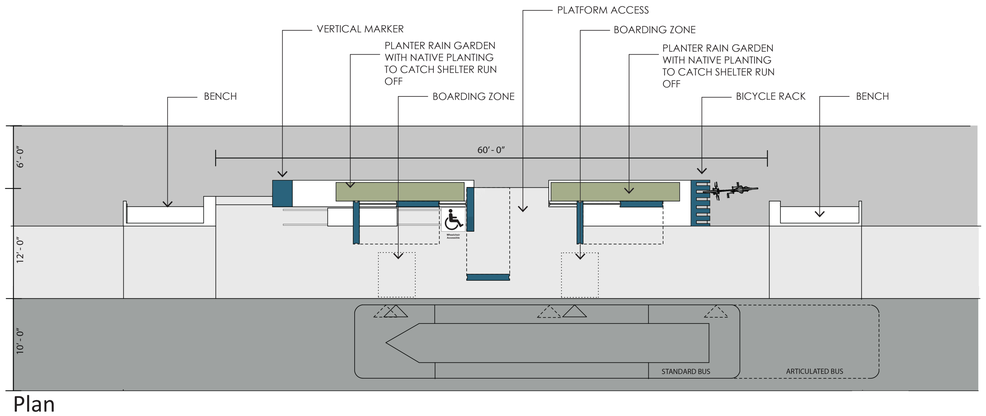
Shelter Drainage



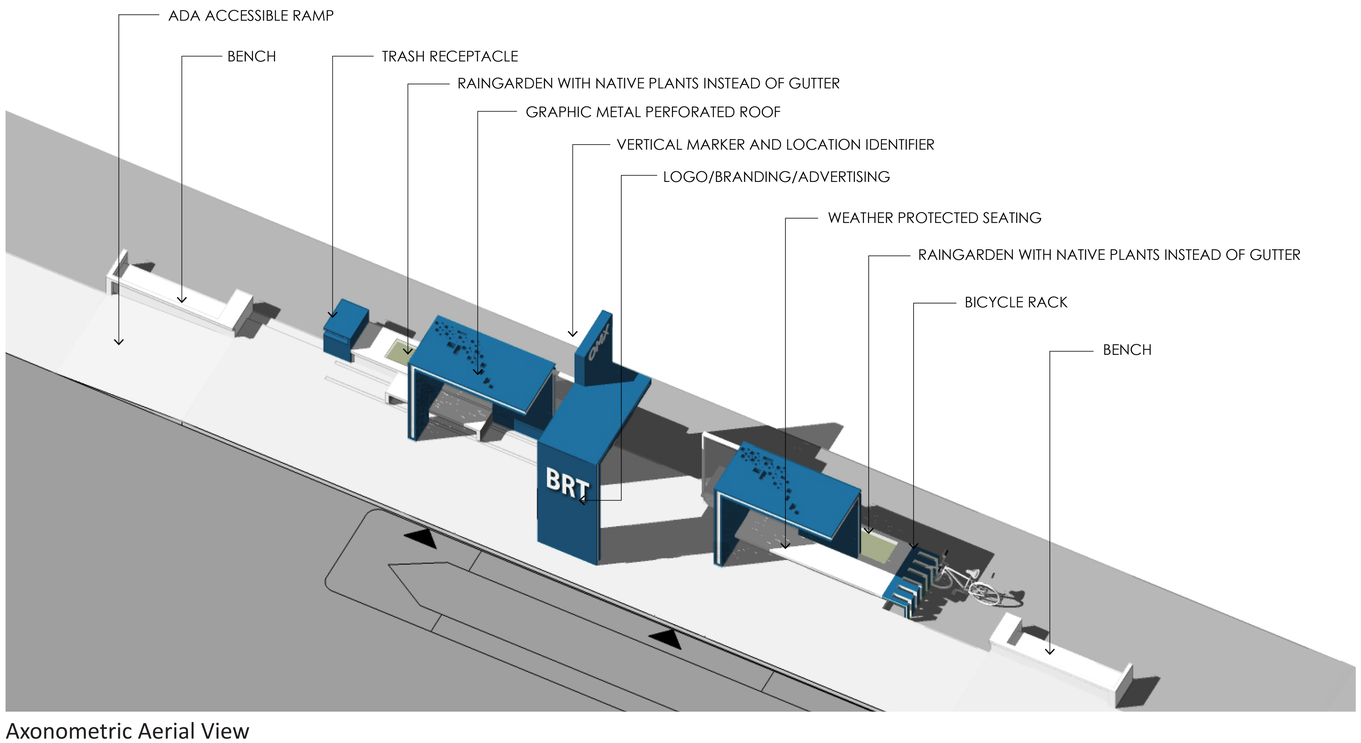
Elevation



Typical Shelter Section



Plan



Axonometric Aerial View

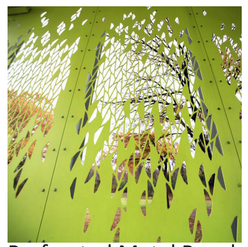
Street View at Dodge and 50th

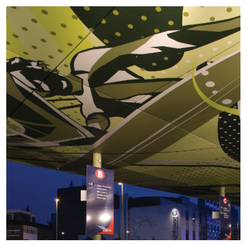
Sidewalk View at Dodge and 50th

View of Shelter Relationship with Sidewalk and Storefront

MODERN MODULE

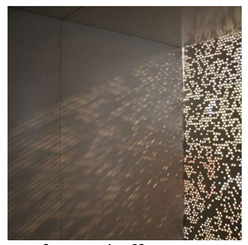
PALETTE


Perforated Metal Panel


Graphic Metal Panel


Ginkgo

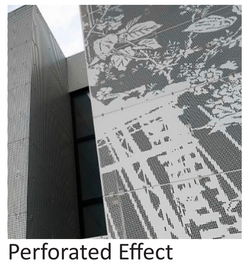

Hackberry


Perforated Effect


Free Standing Parts

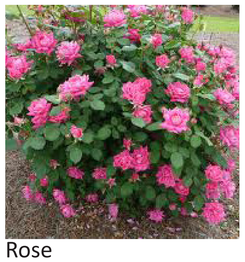

Sawtooth Oak


Frontier Elm


Perforated Effect


Gradual Perforation


Redtwig Dogwood


Rose


Fiberglass Panel


Glass Panel

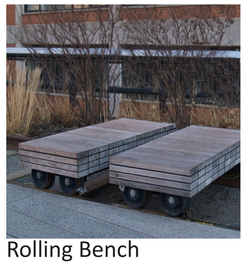

Indiangrass

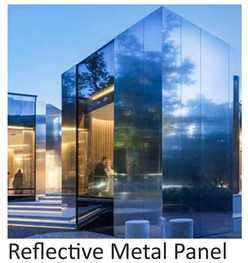

Dwarf Indigo


Integrated Landscape


Integrated Seating

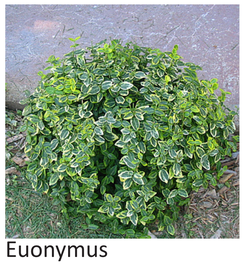

Static Bench


Rolling Bench


Reflective Metal Panel

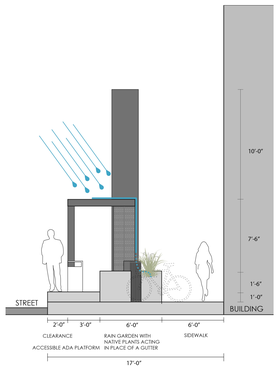

Glass Panel


Holly

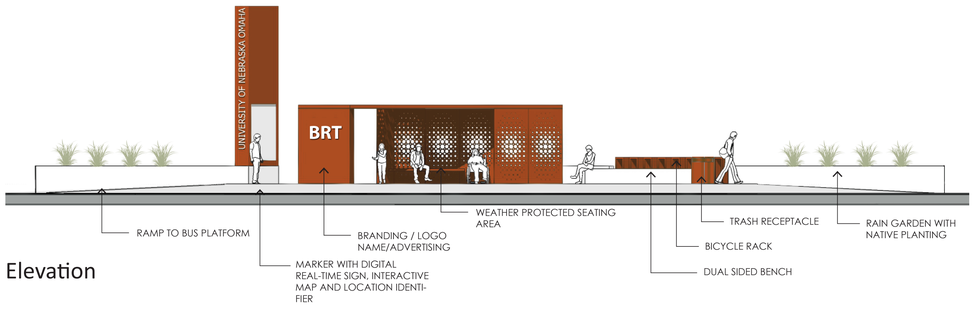

Euonymus

SCULPTURAL

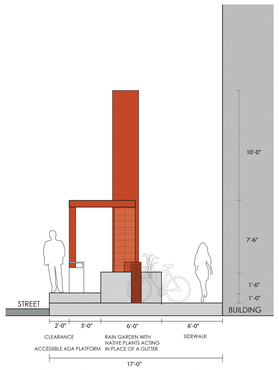
CONCEPT



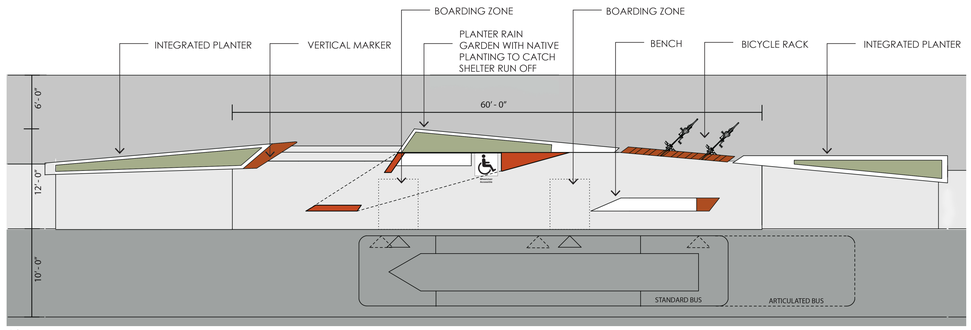
Shelter Drainage



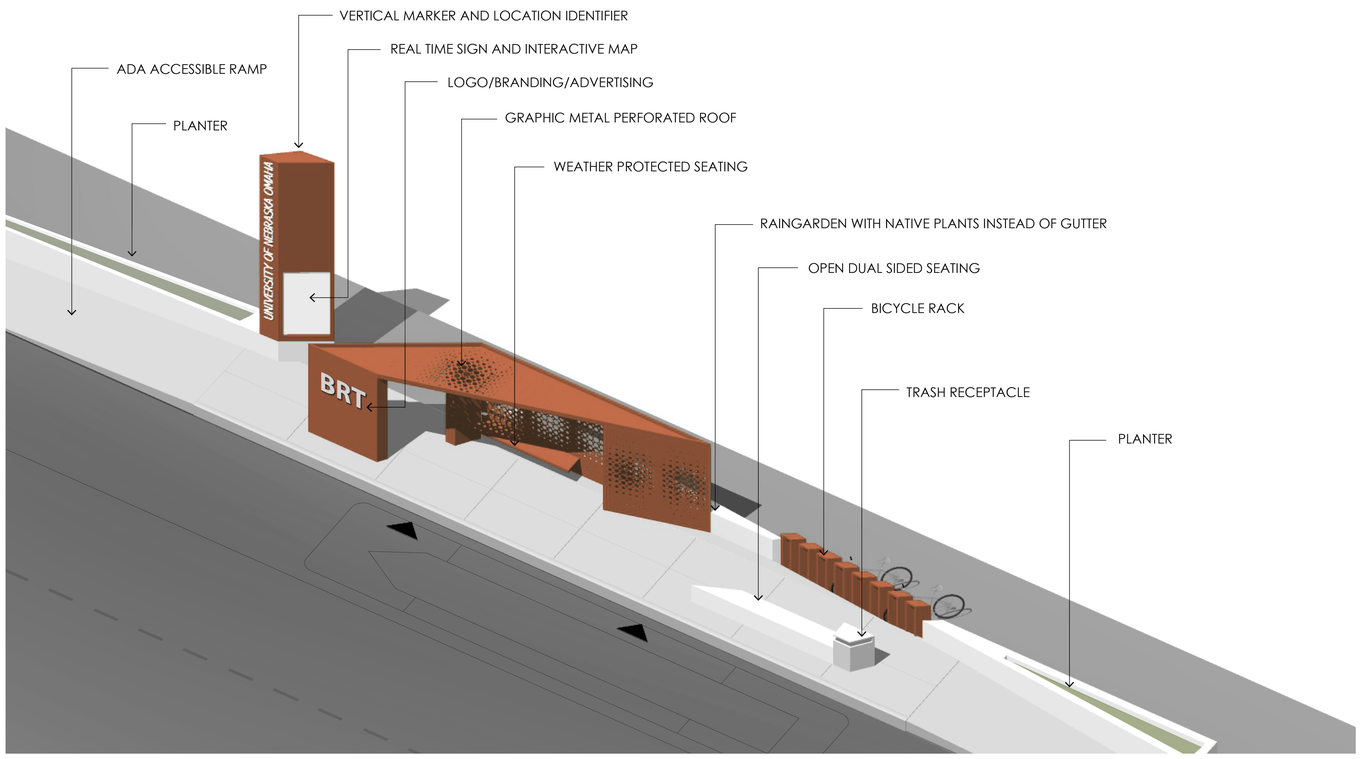
Elevation



Typical Shelter Section



Plan



Axonometric Aerial View

Street View at Dodge and 62nd

Sidewalk View at Dodge and 62nd

View from Shelter Looking at Arriving Bus

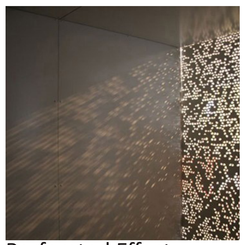
SCULPTURAL PALETTE

Perforated Metal Panel

Perforated Metal Panel

Quaking Aspen

Japanese Zelkova

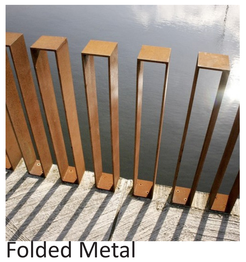


Perforated Effect

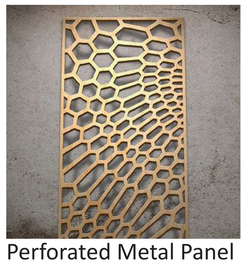
Perforated Effect

Black Cherry

Manchurian Ash

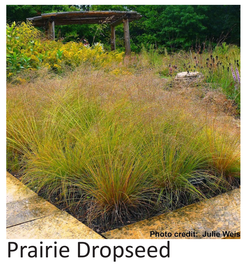


Folded Metal

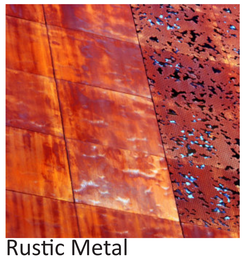


Perforated Metal Panel

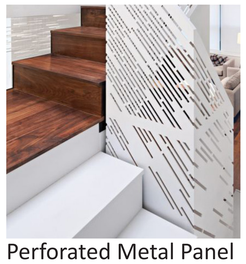
Feather Reed Grass



Prairie Dropseed

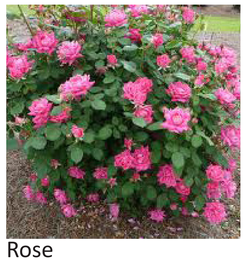


Rustic Metal



Perforated Metal Panel

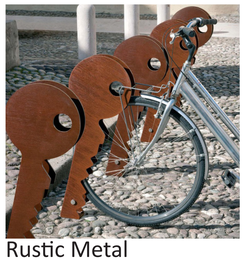
Fountain Grass



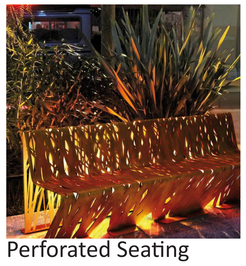
Rose

Integrated Landscape

Integrated Landscape

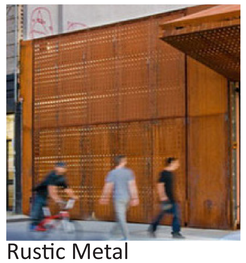


Rustic Metal

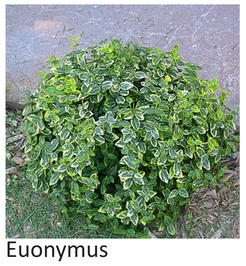


Perforated Seating

Rustic Metal



Rustic Metal

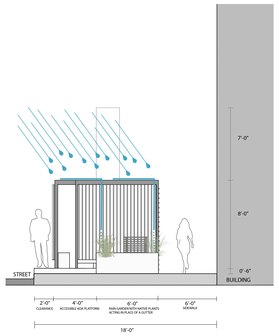


Euonymus

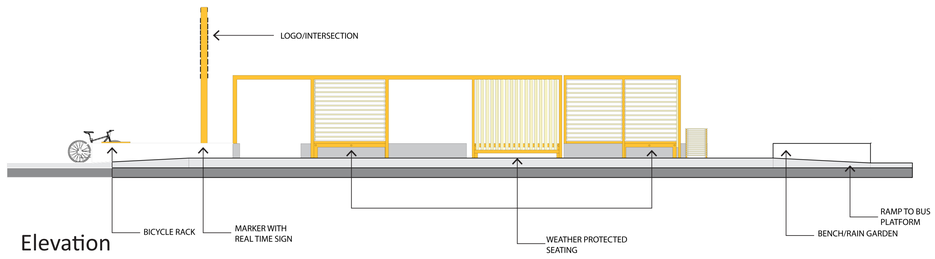
Barberry

GARDEN

CONCEPT

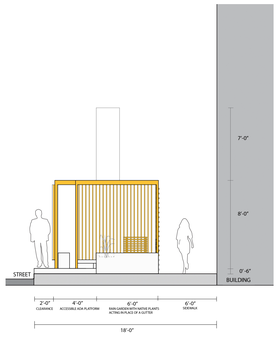


Shelter Drainage

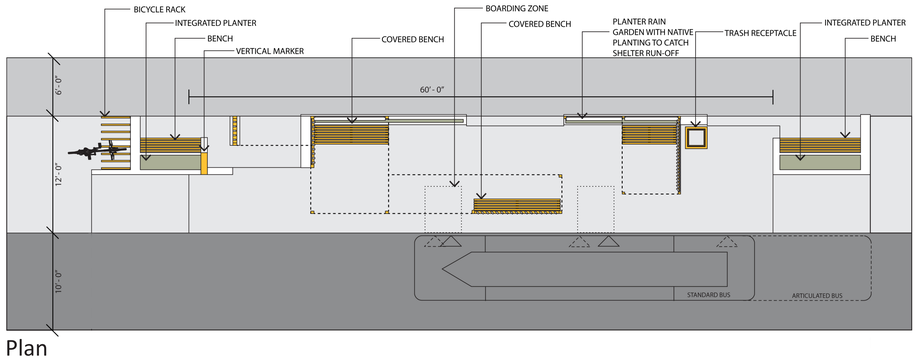


Elevation

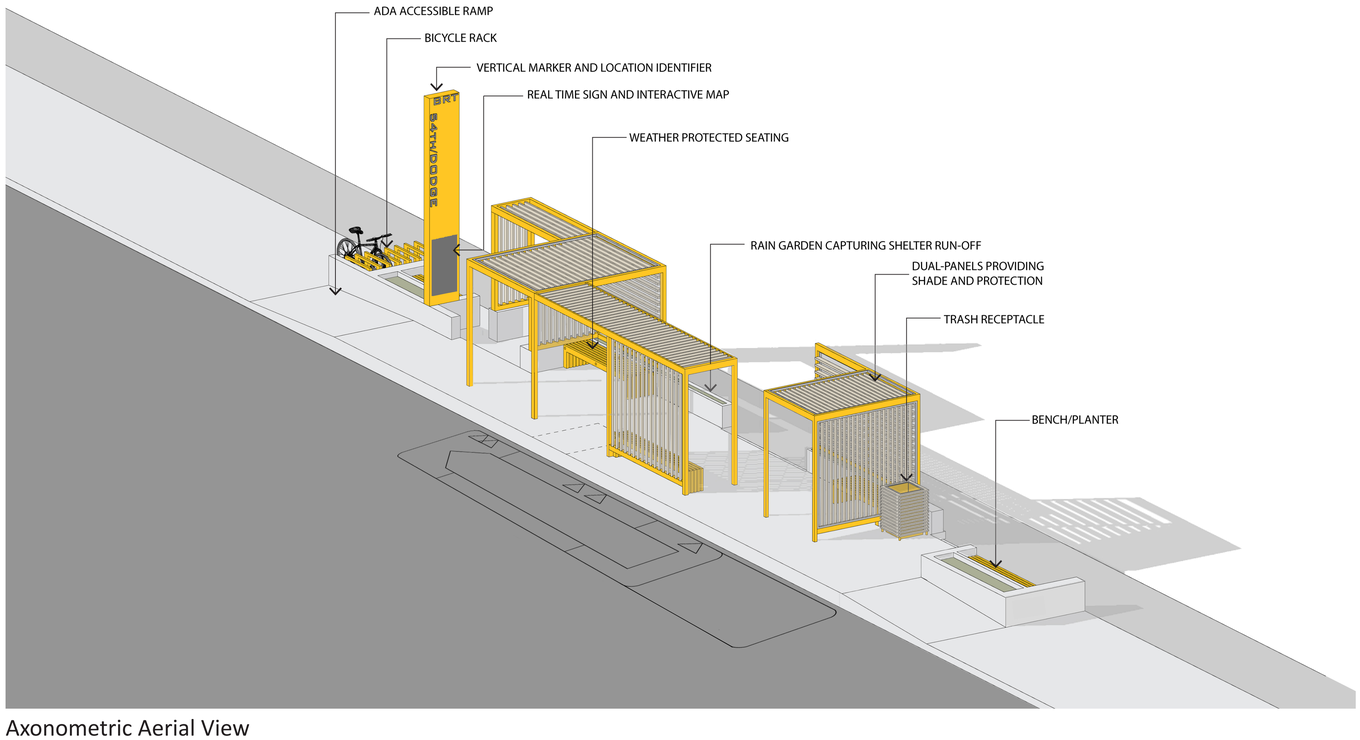
Street View at Dodge and 62nd



Typical Shelter Section



Plan



Axonometric Aerial View

Sidewalk View at Dodge and 62nd

View of Shelter Relationship with Sidewalk

GARDEN PALETTE


Trellis with Vines


Wood


Goldenraintree

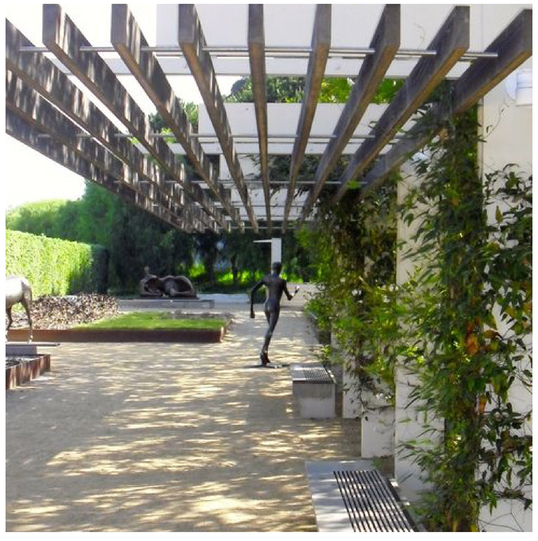

Littleleaf Linden


Integrated Seating


Metal Trellis

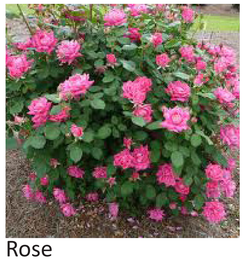

Miyabe Maple


Pekin Lilac

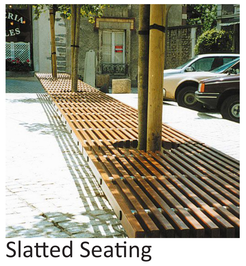


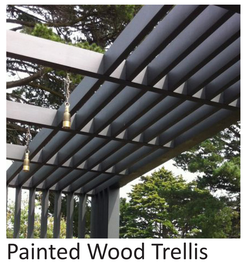

Modern Landscape

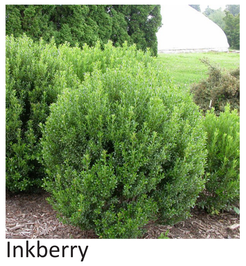

Zinc and Wood


Rose


Virginia Creeper (Vine)


Slatted Seating

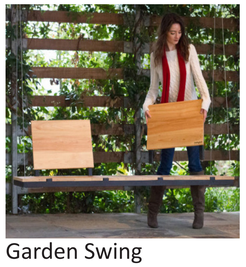

Painted Wood Trellis


Inkberry

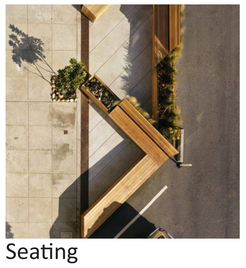

Needlethread Grass

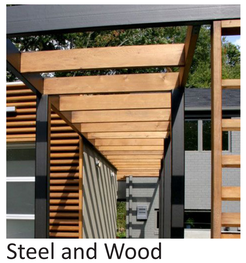

Integrated Landscape


Integrated Landscape


Garden Swing


Planter Bollards


Seating


Steel and Wood

Prairie Dropseed

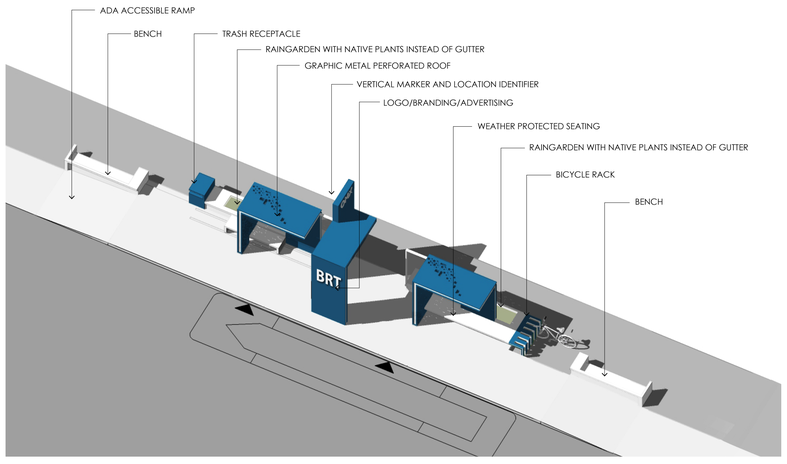

Living Wall

COMPACT STATIONS

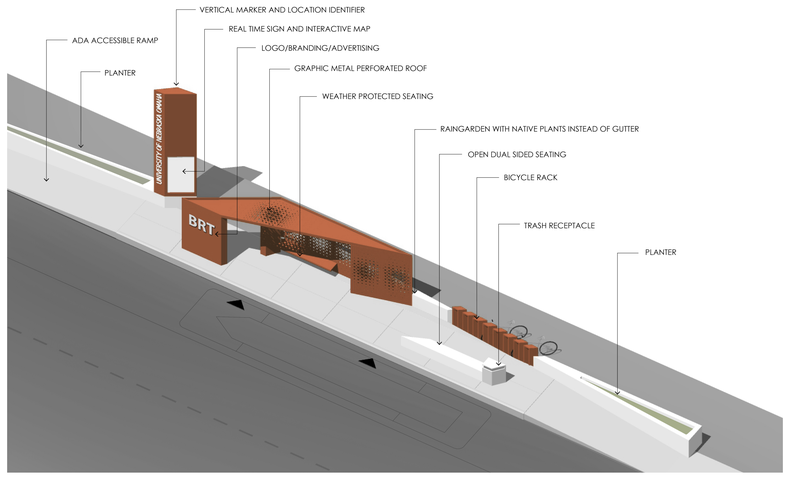
CONCEPT

For station locations with site constraints a compact station may be substituted for the typical station. The locations of these stations have not yet been identified.

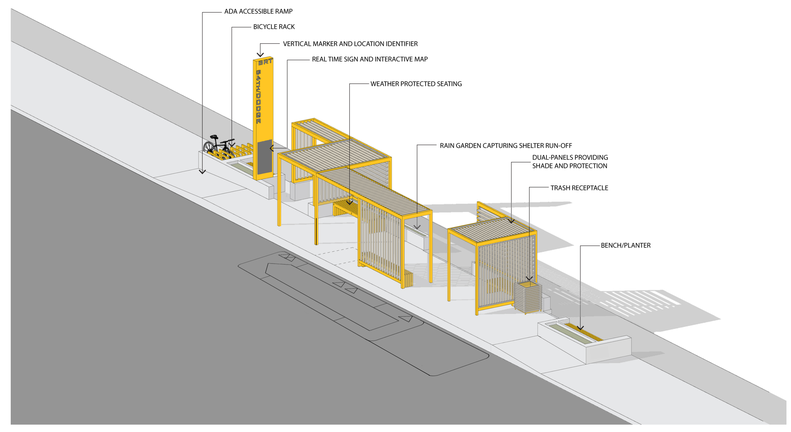
MODERN MODULE



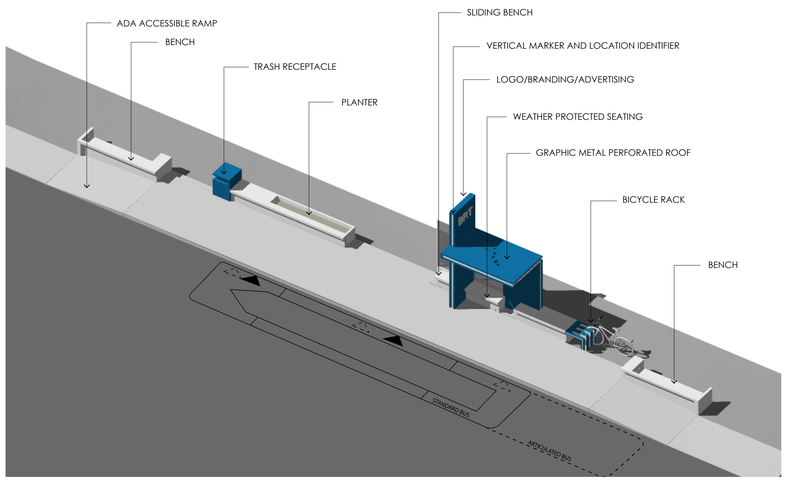
SCULPTURAL

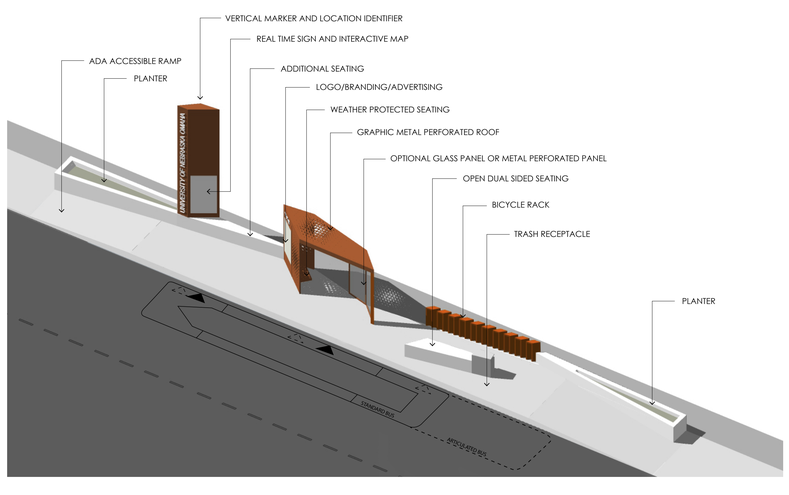


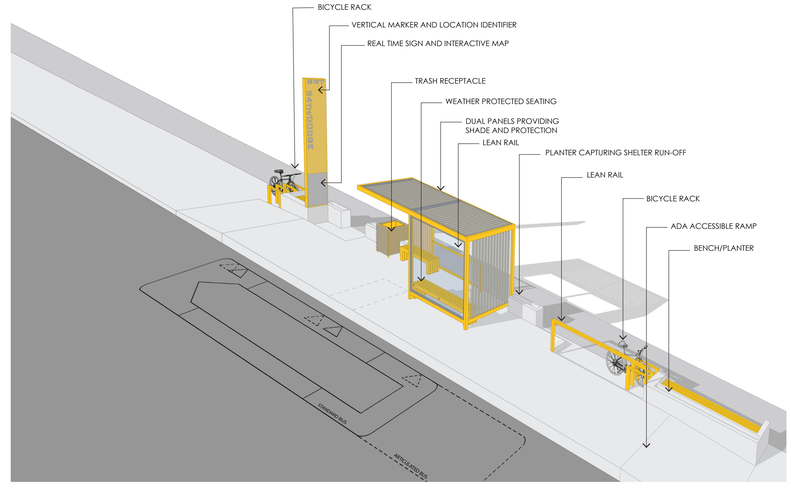
GARDEN



TYPICAL STATIONS







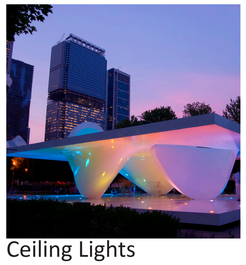
COMPACT STATIONS

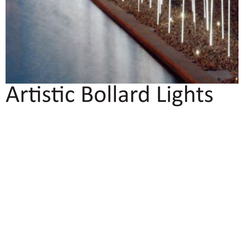
WHAT WOULD YOU LIKE TO SEE AT YOUR BRT STOP?

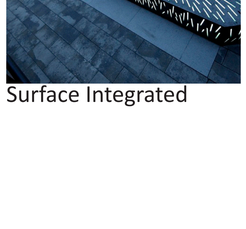
FEATURES

LIGHTING & SECURITY


Structure Accentuation


Ceiling Lights

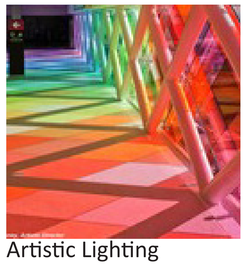

Structure Accentuation

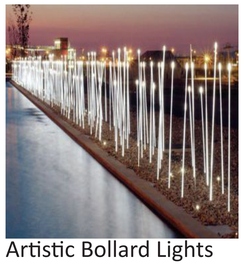

Ceiling Lights

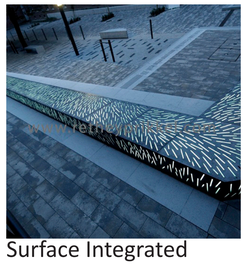

Light and Shadow


Light Projection


Bollards with Lights

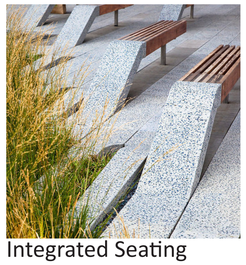

Artistic Lighting


Artistic Bollard Lights


Surface Integrated

RETAIL & AMENITIES

Kiosk with Movies/Snacks


Integrated Seating

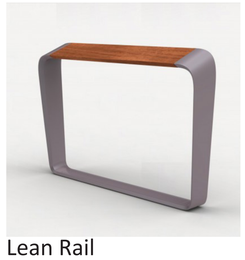

Ticket Kiosk

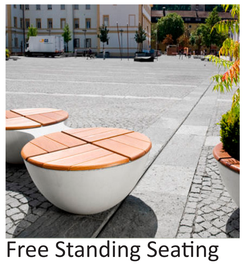

Table Seating

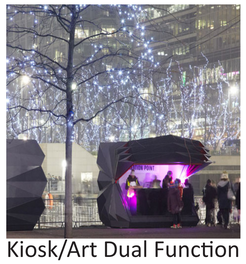

Bicycle Rack


Artistic Seating


Bicycle Rack with Lights and Lockers


Lean Rail

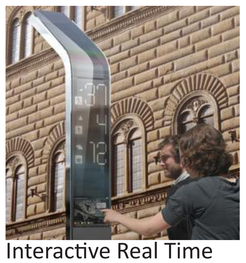

Free Standing Seating


Kiosk/Art Dual Function

INTEGRATED TECHNOLOGY

Real Time Sign

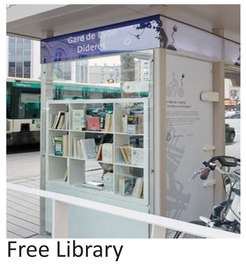
Interactive Digital Board


Interactive Real Time Marker

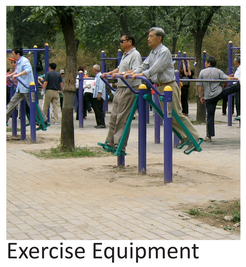

Non-Destructive Artist Expression

Free Wifi

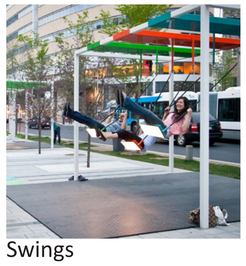
PLAY & ACTIVITIES


Free Library

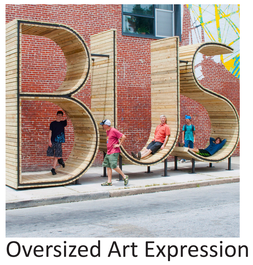

Chalk Wall


Exercise Equipment

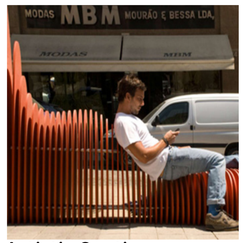

Games


Swings

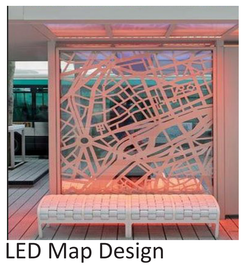
ART & AWARENESS



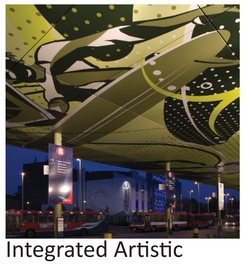
Oversized Art Expression



Artistic Seating


LED Map Design


Integrated Info Graphics

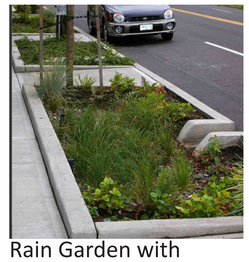

Integrated Artistic Graphics

DESIGN & SUSTAINABILITY


Building Integrated Photo Voltaics (BIPV)

Attached Photovoltaics


BIPV Powered Charging Station


Rain Garden with Native Plants


Green Roof

IDENTITY & BRANDING

BRAINSTORMING

EmX - Lane Transit District, Eugene, OR

Silver Line - The Rapid, Grand Rapids, MI

sbX Green Line - Omnitrans, San Bernandino, CA

MAX - KC Area Transportation Authority, Kansas City, MO

RapidRide - King County Metro, Seattle, WA

VIVA - York Region Transit, Ontario, Canada

brio - Sun Metro, El Paso, TX

VelociRFTA - Roaring Fork Transportation Authority, Aspen, CO

MAX - Regional Transportation Commission, Las Vegas, NV

Health Line - Greater Cleveland RTA, Cleveland, OH

Rapid Omaha Ride Express Link

Bus Fast Metro Area Public Mass

Transportation Corridor Transit Connector

Central Route Dodge Urban Circulator

Blue Yellow Green Red Orange

WHAT SHOULD WE CALL OUR BRT?

Omaha Metro Express - OMX
Rapid Omaha Link - ROL
Connecting Omaha Metro - COM
Ride Omaha Express - ROX
Fast Omaha Express - FOX
Dodge Express - DEX
Zoom
The Fast Lane

Others?