INFORMATION | demographics & elements

**DEMOGRAPHICS**

- Millennials: 48%
- Baby Boomers: 25%
- Generation X: 20%
- Traditionalists: 7%

**MILLENNIALS**
people born between 1983 and 2000
less dependent on personal vehicles
than any previous generation

**TRANSIT ZONE ELEMENTS IMPORTANT TO MILLENNIALS**

- Walkability: within a 10 min. walk to amenities
- Wayfinding elements
- Shelter elements
- Bicycle elements
- Lighting elements
- Bioswale plants
- Mobile technology apps
- Reader boards

**TECHNOLOGY**
electronic devices that make life
easier than any previous generation
EXISTING | minneapolis transit

EXISTING TRANSIT
- LIGHT RAIL SYSTEM
- BUS ROUTES: HIGH & LOW FREQUENCY
- BICYCLE ROUTES

COMPONENTS PRESENT:
- WALKABILITY: within a 10min walk to amenities
- TECHNOLOGY: electronic devices that make life easier

ADAPTING | minneapolis transit

TRANSIT ADAPTATION
modifying the existing transit system to fit the needs and values of current and future residents

COMPONENTS PRESENT:
- proposed transit zone for light rail
- proposed transit zone for existing high frequency bus routes
- proposed transit zone for new high frequency bus routes
- site - transit zone

CLASSIFYING | minneapolis transit

CLASS A TRANSIT ZONE
primary transit zone | contains a commercial corridor

COMPONENTS PRESENT:
- WALKABILITY: within a 10min walk to amenities
- TECHNOLOGY: electronic devices that make life easier

CLASS B TRANSIT ZONE
secondary transit zone | primarily residential

COMPONENTS PRESENT:
- site - class A transit zone
- site - class B transit zone
**MASTER PLAN**

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### EXISTING | site intersections

**LANMARK**
- confluence of transit & commercial corridors
- entrance to neighborhood
- gateway
- gathers people along collector roads
- residential
- immersion within the neighborhood
- greenway

**TECHNOLOGY**
- electronic devices that make life easier

**WALKABILITY**
- within a 10min walk to amenities

### PROPOSED | site intersections

**LANMARK**
- confluence of transit & commercial corridors
- gateway
- entrance to neighborhood
- gateway
- gathers people along collector roads
- residential
- immersion within the neighborhood
- greenway

**TECHNOLOGY**
- electronic devices that make life easier

**WALKABILITY**
- within a 10min walk to amenities
WALKABILITY
within a 10min walk to amenities

TECHNOLOGY
electronic devices that make life easier

MASTER PLAN | landmark intersection
MASTER PLAN | streetscape elements

OVERHANG | lowers the height of the buildings & creates an inviting space

LIGHTING | 13.5’ black anodized steel pedestrian light

WALKABILITY | within a 10min walk to amenities

TECHNOLOGY | electronic devices that make life easier
MASTER PLAN | infiltration bioswales

4.1% of existing right-of-ways were converted into permeable surfaces.

**PRIMARY BENEFITS**
- Replenishes the ground water
- Reduces water runoff
- Fills rainwater ponds

**SECONDARY BENEFITS**
- Narrow roadway, reducing vehicular speeds
- Creates a protected bicycle route & sidewalk
- Storage area for snow during the winter months

**PLANT LIST** | resilient to salinization, zone 3-4b & overall appearance

**TREES**
- red maple
- river birch
- pin oak

**SHRUBS**
- bottlebrush buckeye
- highbush blueberry
- winterberry
- arrowwood
- bayberry

**GRASSES**
- three square bulrush
- broomsedge
- switchgrass
- broom panic grass

**PERENNIALS**
- tall coneflower
- blue flag
- cardinal flower

**TECHNOLOGY**
- electronic devices that make life easier

**WALKABILITY**
- within a 10 min walk to amenities

**BIOSWALE | section**

**PERMEABLE ELONGATED Pavers**

**PERMEABLE CROSSWALK**

**SPEEDTABLE**

**TWO 12’ CONCRETE DRIVING LINES**
MASTER PLAN | technology

BUS SHELTER | perspective

- solar panels
- power electrical components
- digital reader board to display next route to come
- electric heater
- digital board for route updates, purchasing transit passes, ordering & downloading information from the Internet & access to television
- vertical bicycle shelter & rack
- high frequency bus routes
- electronic devices that make life easier
SOLAR POWERED BIKE SHARE | perspective detail

- Solar panels power bicycle rental kiosk & electric motors in bicycles
- Rentable electric bicycles increase access to pedestrian circulation

ENERGY HUB | detail

- Solar panels charging station for smartphones & tablets
- Digital interactive bicycle & bus route map

WALKABILITY
within a 10min walk to amenities

TECHNOLOGY
electronic devices that make life easier
**MASTER PLAN**

**Walkability**

**Walkability**
- within a 10min walk to amenities

**Technology**
- electronic devices that make life easier

**Protected Bicycle Route**
- progression

**Reduce Vehicular Speeds**
- Two 12’ wide vehicular driving lines
- 10’ parallel parking lane on either side of the road
- Intermixed with bioswales
- Speedtable crosswalks & intersection raises cars to meet pedestrians & cyclists

**Increased Circulation Hierarchy**
- 4’ minimum boulevard & furniture zone
- 6’ protected bicycle route
- 10’ minimum pedestrian zone in front of mixed use buildings

**Infiltration bioswale**
**Permeable elongated pavers**
**Navigational signage**
**Pedestrian light**
**Bicycle parking station**
**6’ rubber asphalt protected bicycle route**
**10’ turf boulevard**
**29’ boulevard**
**Permeable sidewalk**
**Solar powered charging station**
MASTER PLAN | walkability

Walkability within a 10min walk to amenities

Technology electronic devices that make life easier

PUBLIC PLAZA | pedestrian only zone

PUBLIC PLAZA | intimate public space
TRANSIT ZONE ELEMENTS IMPORTANT TO MILLENNIALS

WALKABILITY
- within a 10 min. walk to amenities

TECHNOLOGY
- mobile technology
- apps
- reader boards

Complete streets approach to transit oriented development

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