



Downtown Ward 7 Minnesota Ave NE

Concept Design

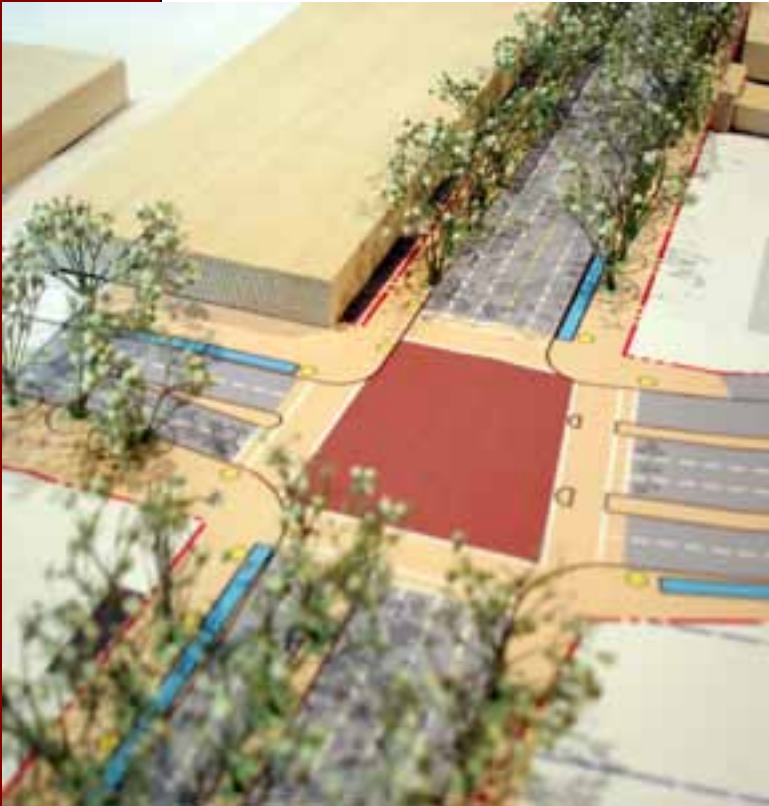
Community Open House #4

Tuesday, February 27th, 2007





Meeting Agenda



6:30 - 7:00pm Open House

7:00 - 7:45pm Summary Presentation

- Great Streets Overview
- What We Heard From the Community
- Design Framework
- Preferred Concept
- Streetscape
- Public Art
- Related Projects Outside of Minnesota Avenue Scope of Work

7:45 - 8:30pm Questions & Answers



DC's Great Streets Program

Guiding Principles

- ***Energize***: Create an environment for investment that supports local economic development and retail success;
- ***Move***: Provide sustainable mobility through efficient movement of multiple modes including walking, biking, transit and vehicles.
- ***Distinguish***: Create a unique place and destination that tells the story of its local area;
- ***Refresh***: Ensure infrastructure works with local systems to enhance the natural and human environments;
- ***Care***: Promote community stewardship, ownership and programming of the public space.





Downtown Ward 7 Minnesota Ave NE Project Study Area





Project Purpose

Implementing the Great Streets Framework



1. Support and enhance the **economic viability** and expand **community livability** by improving the retail environment, residential quality of life, and open spaces.
2. A **landscape/streetscape design** that will enhance the neighborhood downtown retail district and special nodes.
3. An **environmental uniqueness** to provide for a **safe, inviting, and interesting public realm** that supports diversity in use and activities.
4. To promote **sustainable mobility** through the emphasis of pedestrian, bicycle, transit modes of transportation, while accommodating the needs of vehicular traffic.



Downtown Ward 7 - Minnesota Ave NE

Concept Design Community Input

Advisory Group #1
October 24th

Open House #1
November 2nd

Advisory Group #2
December 4th

Open House #2
December 11th

Advisory Group #3
January 18th

Open House #3
January 23rd

Advisory Group #4
February 7th

Art Workshop
February 10th

Open House #4
February 27th

Great Street
Goals

Energize
Move
Distinguish
Refresh
Care
Build

Community
Input

Concerns &
Aspirations

Design
Concepts

Preliminary
Ideas
&
Community
Feedback

Design
Concepts

Evaluation and
Refinement

Criteria:

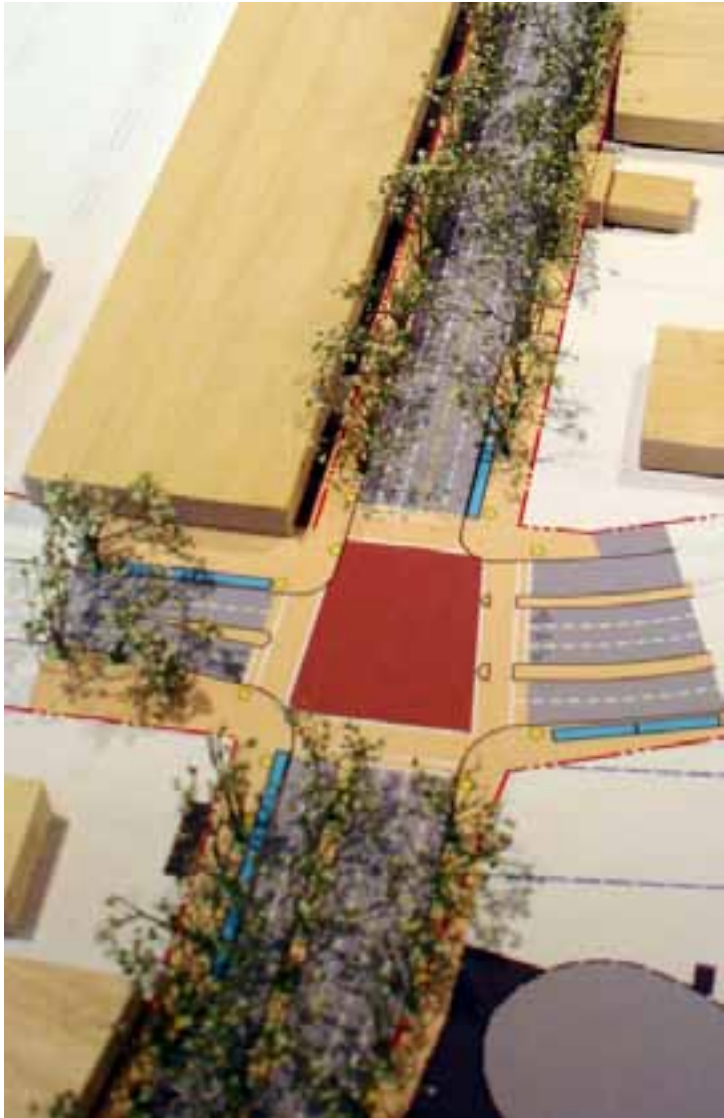
Revitalization
Retail Benefit
Pedestrian
Safety
Bicycles
Transit
Vehicular
Environmental
Social & Cultural
Stewardship

10%
Concept
Design



Downtown Ward 7 - Minnesota Ave NE

Concept Design Summary



- What We Heard From the Community
- Design Framework
- Preferred Concept
 - Pedestrian, Transit & Roadway Improvements
- Streetscape
- Public Art Framework
- Related Projects Outside of Minnesota Avenue Scope of Work



What We've Heard The Community's Concerns and Aspirations





What We've Heard from the Community

Issues and Concerns



- Condition of existing sidewalks is poor. Paving is broken.
- Planters and tree wells are empty. Connections are missing.
- Unsafe intersections
- Poor condition and location of bus stops
- Existing surface parking lots don't enhance experience in Downtown Ward 7



What We've Heard from the Community Opportunities and Aspirations



- Improve pedestrian safety and experience
- It should be green
- Create civic gathering places
- Define gateways and special intersections
- Incorporate local public art
- Strengthen the Main Street with retail and sit-down restaurants, entertainment, outdoor cafes
- Improve the bus stops
- Provide for local traffic but redirect regional through traffic



Great Streets

Design Concepts and Evaluation

Goals

Energize

Move

Distinguish

Refresh

Care

Build



Design Objectives

Create positive investment

Support multiple modes

Reflect local character

Enhance natural resources

Facilitate community ownership

Respect scope and schedule



Desired Results Short and Long Term

Increase Retail and Jobs
Enhance Appearance

Improve Pedestrian Safety
Improve Transit
Maintain Vehicular Capacity

Highlight Local Historical,
Cultural, & Natural Features

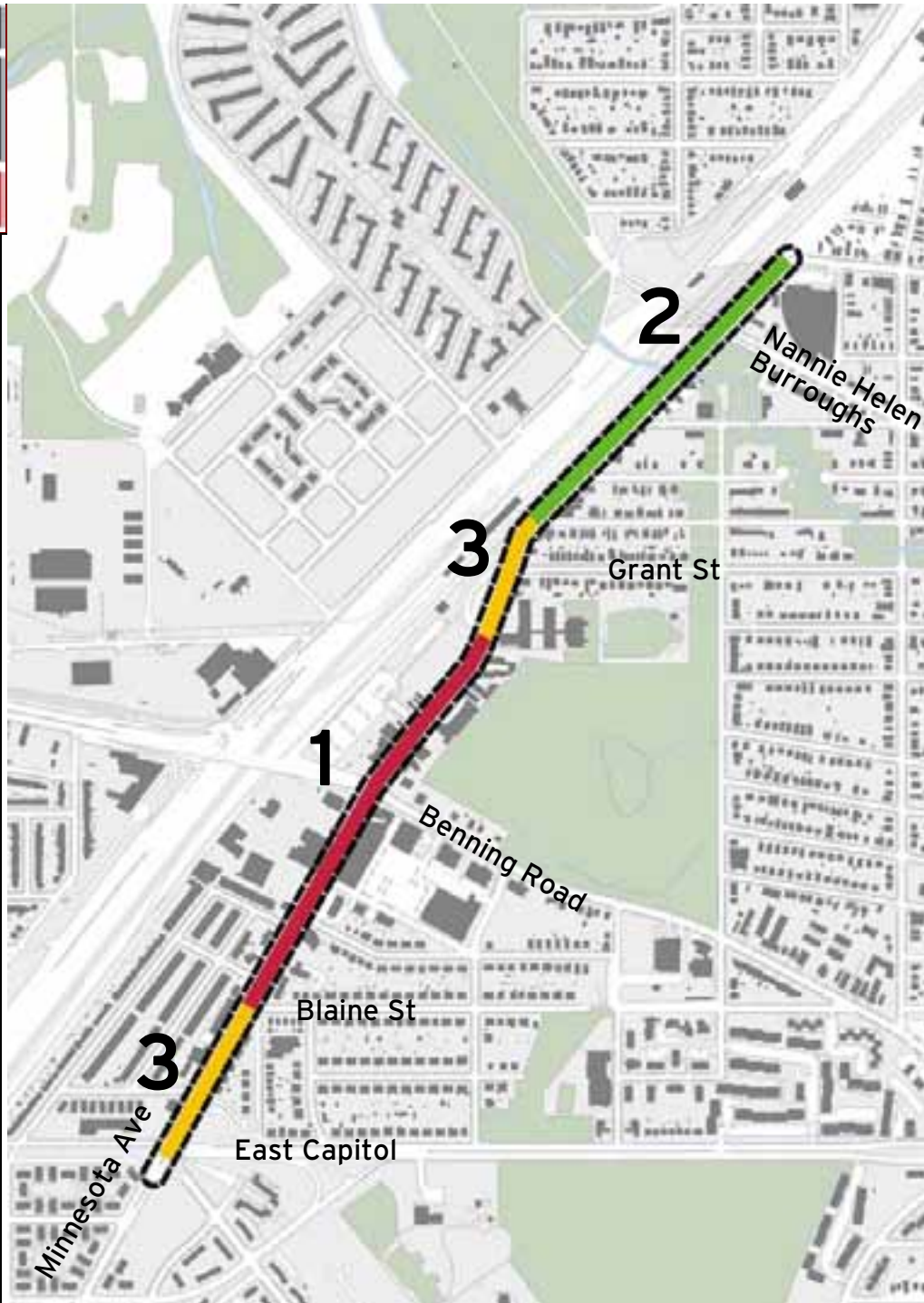
Increase Tree Canopy
Reduce Stormwater runoff

Community Involvement
Business Improvement Districts

On Schedule and Budget

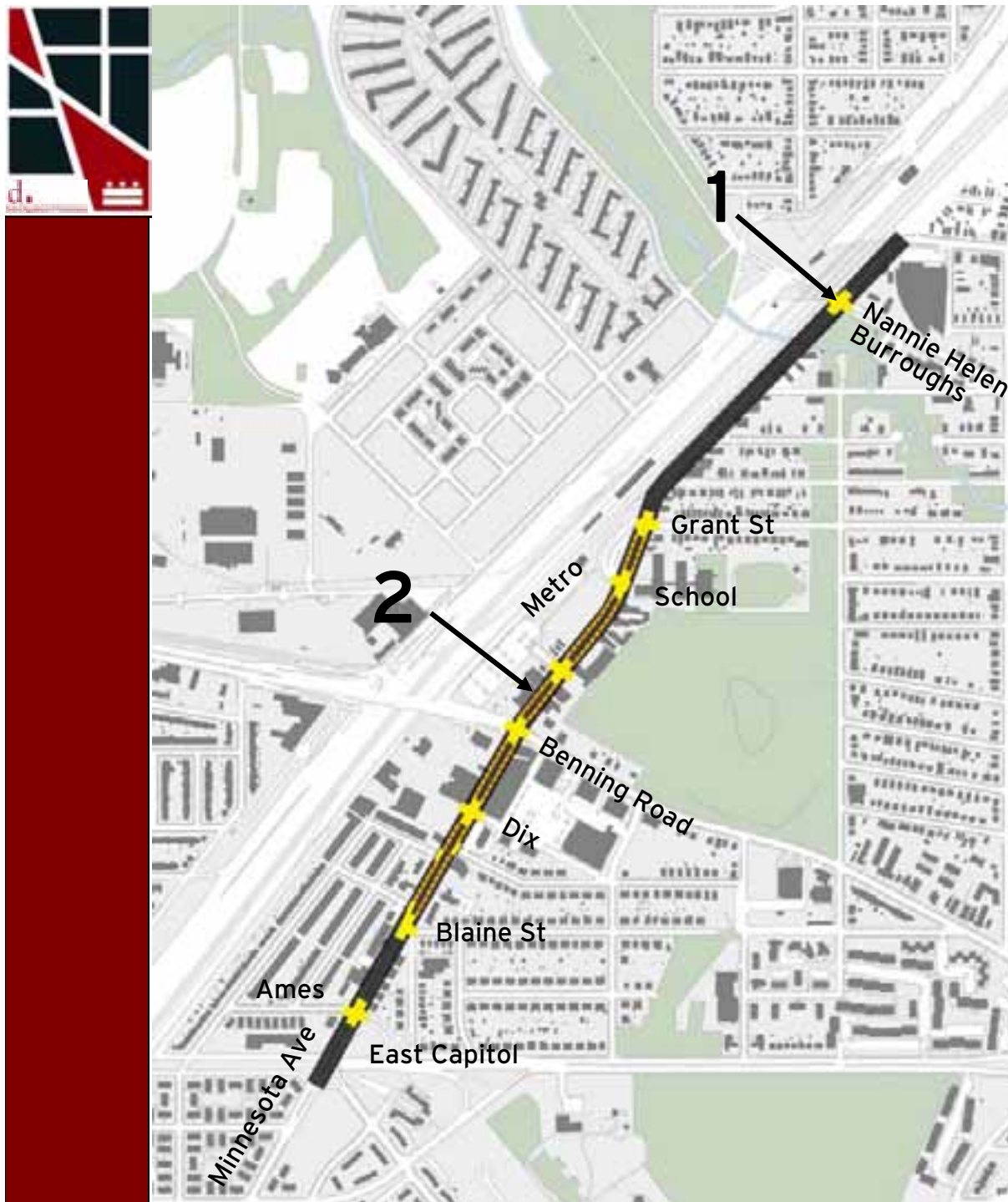


Street Character Framework



- 1 Main Street
2. Greenway
3. Transitional - Mixed Use & Residential

Corridor Improvements



1 Improved Intersections

- Nannie Helen Burroughs
- Grant St
- Metro
- Gov't Center
- Benning Road
- Dix
- Blaine
- Ames

2. Potential On-Street Parking/Loading to Strengthen Main Street

- Between Blaine and Grant



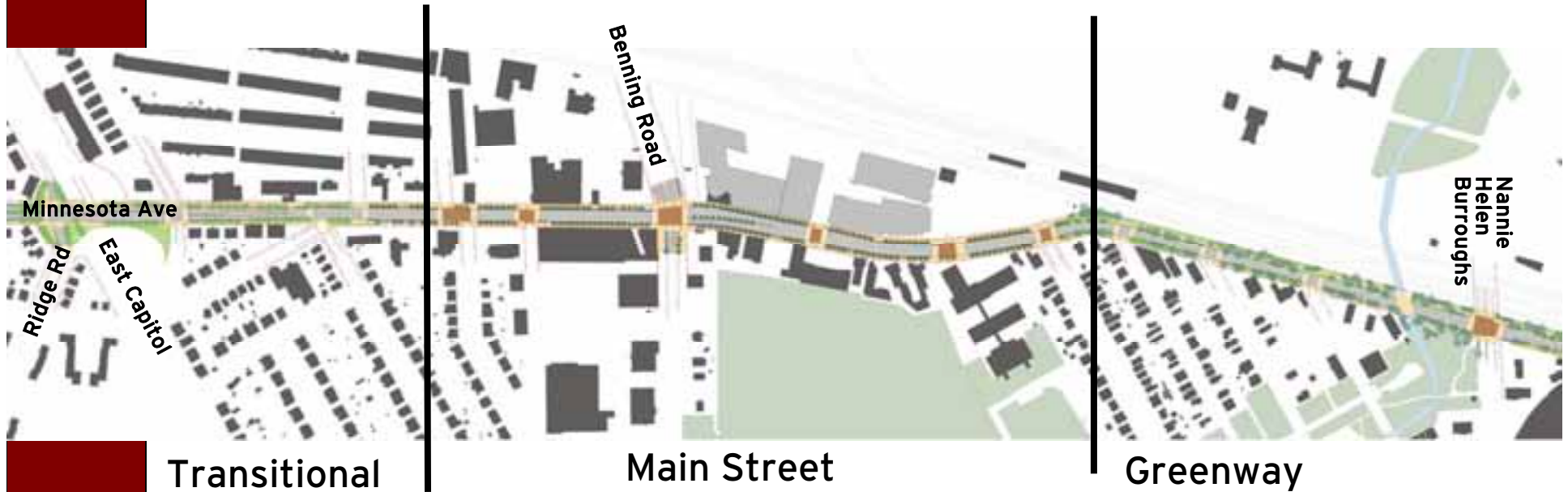
Framework Bike Master Plan



- Existing Routes
- Master Plan - Proposed
- Additional Recommendations

Corridor Design Concept

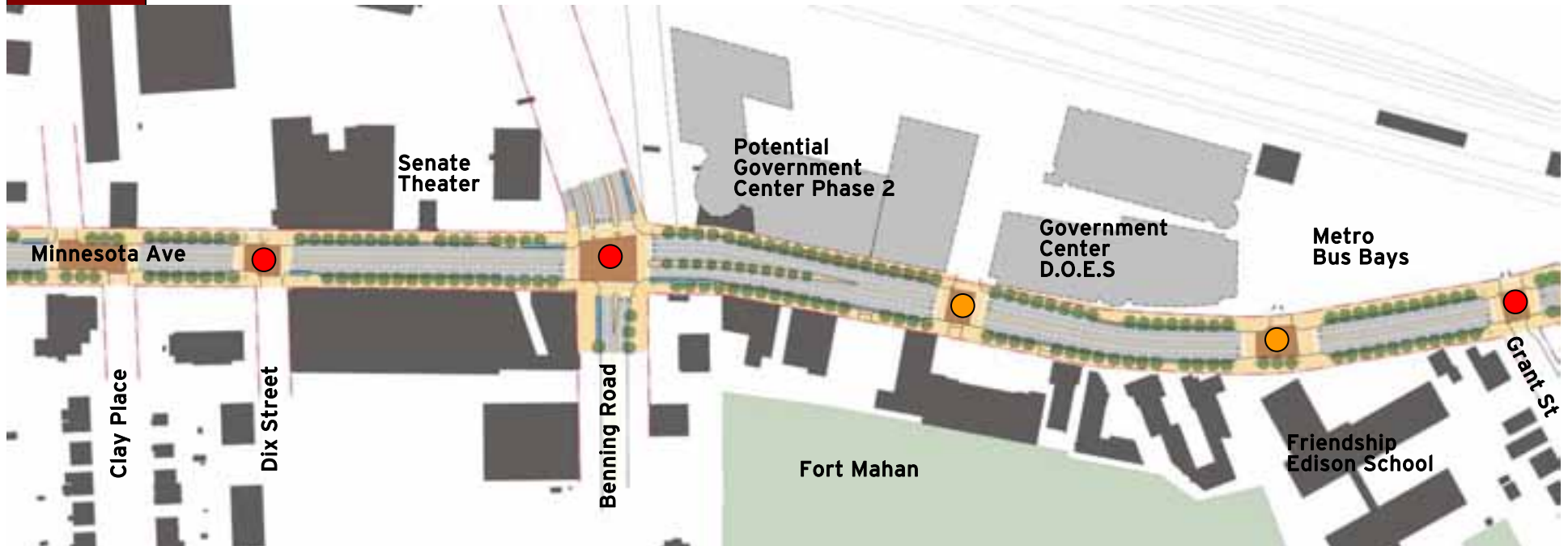
Illustrative Plan



An Overview of Recommended Improvements by Segment

Main Street Area - Design Concept

Clay Place to Grant Street



Recommended Improvements:

Pedestrian:

- Enhanced Sidewalks and Crosswalks
- Curbcuts are Consolidated

Transit:

- Improved Bus Stops, Location and Amenities

Roadway:

- On-Street Parking
- Lane Configuration and Signal Improvements
- Existing ● and Future ● Traffic Signals





Main Street Area Existing and Proposed Street Section

Existing

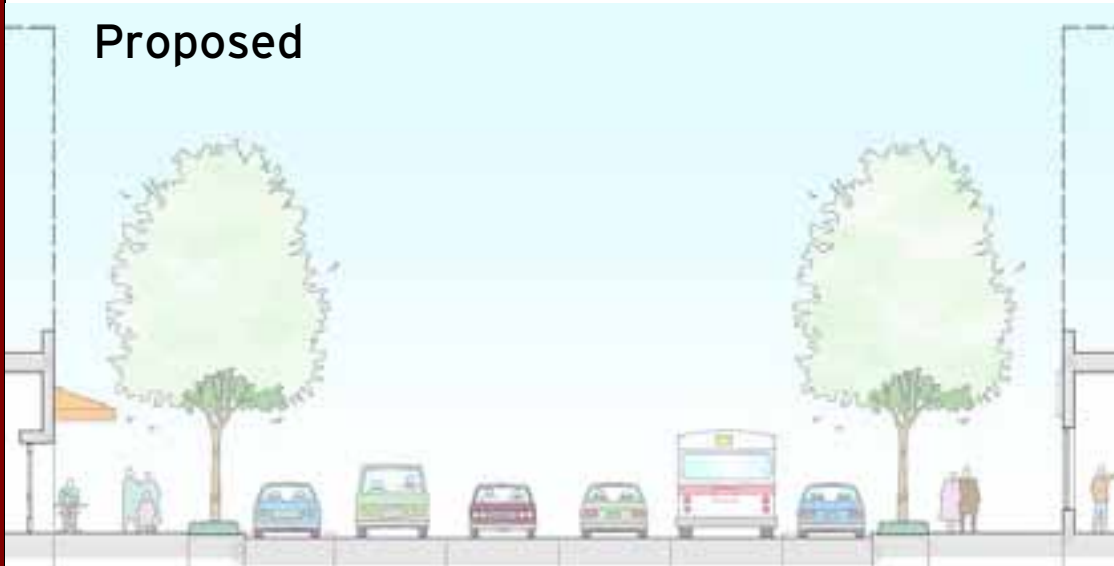


25' Wide Sidewalks, 4 Travel Lanes



Existing Photo

Proposed

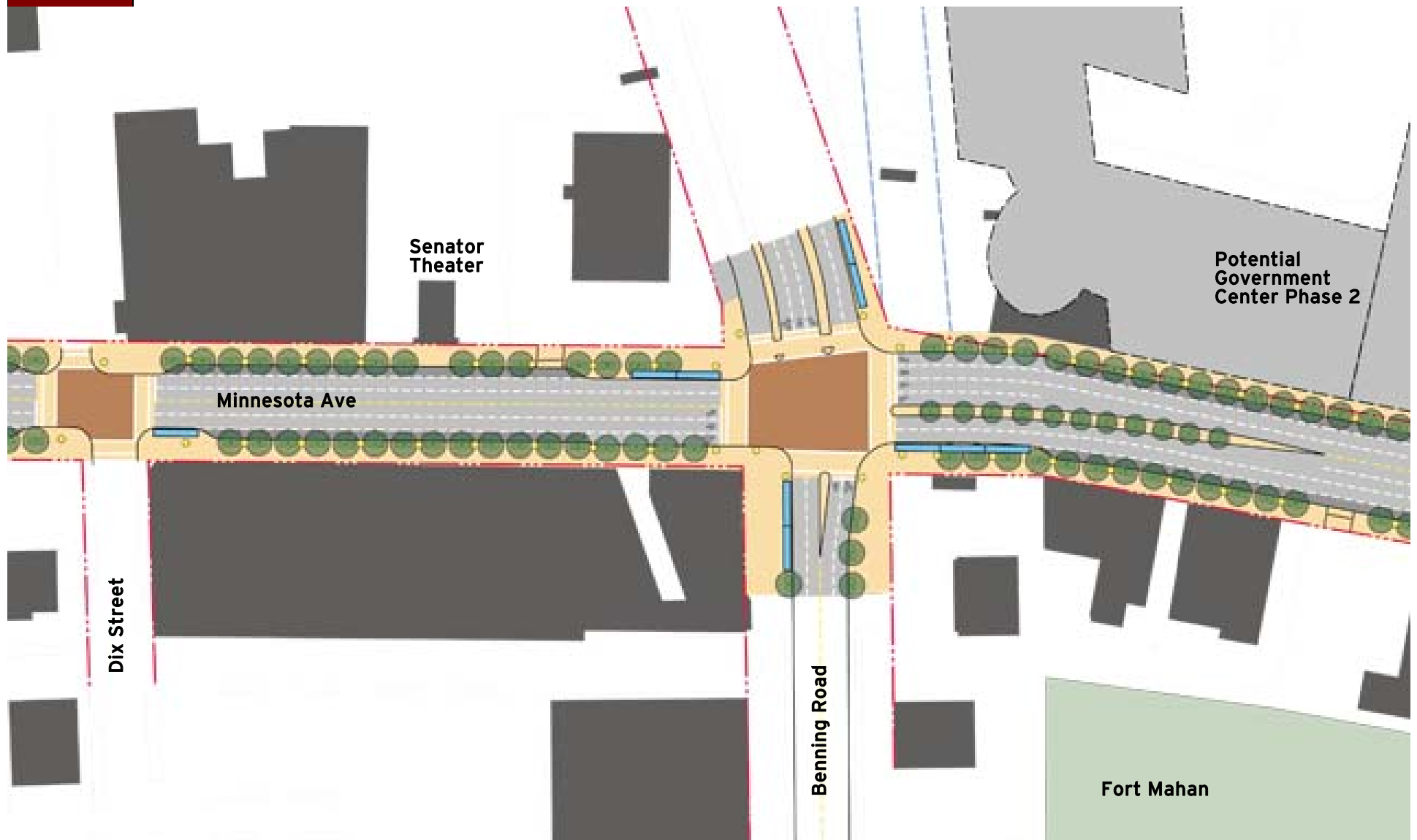


17' Wide Sidewalks, On-Street Parking, 4 Travel Lanes



Potential Example

Minnesota Avenue at Benning Road Design Concept





Traffic Analyses for the Corridor

Assessment of Existing Conditions

- Pedestrian
- Traffic and Signal Assessment
- Roadway Assessment
- Bus Operations

Assumptions for Future Conditions

- Travel Speed
- Minnesota Ave Extension
- Government Center Phase 1
- Future Growth
- Design Concept Recommendations

Purpose of Traffic Analyses

- To recommend pedestrian and roadway improvements to enhance overall safety and environmental quality



Traffic Analyses Methodology

Conducted using Synchro/SimTraffic methodology
Software package to model signalized and unsignalized intersections along a road network.



Minnesota Avenue/Benning Road - 2006 Existing Conditions (Synchro/SimTraffic simulation)



Minnesota Avenue at Benning Road Existing Conditions

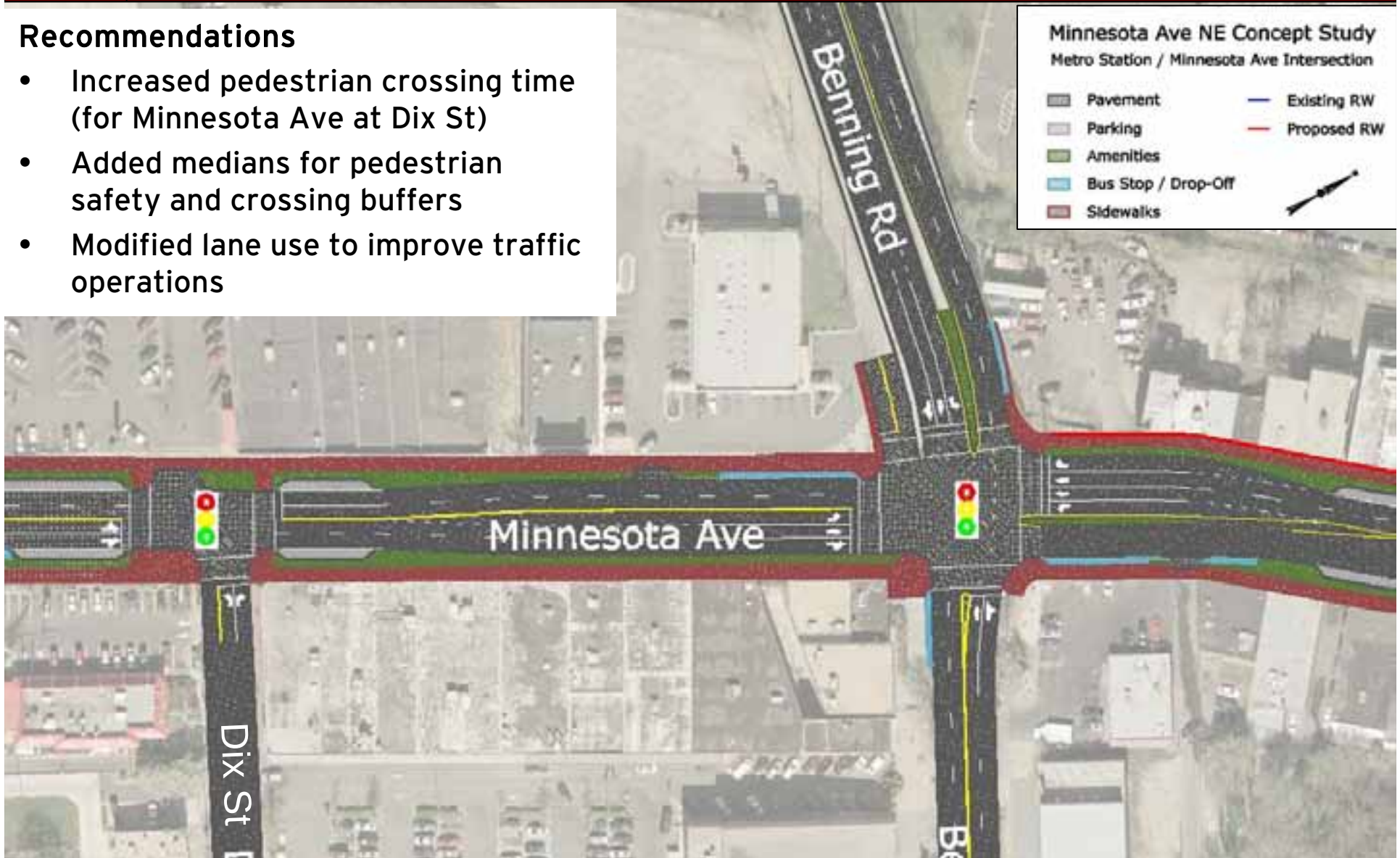




Minnesota Avenue at Benning Road Design Concept - Traffic Analysis

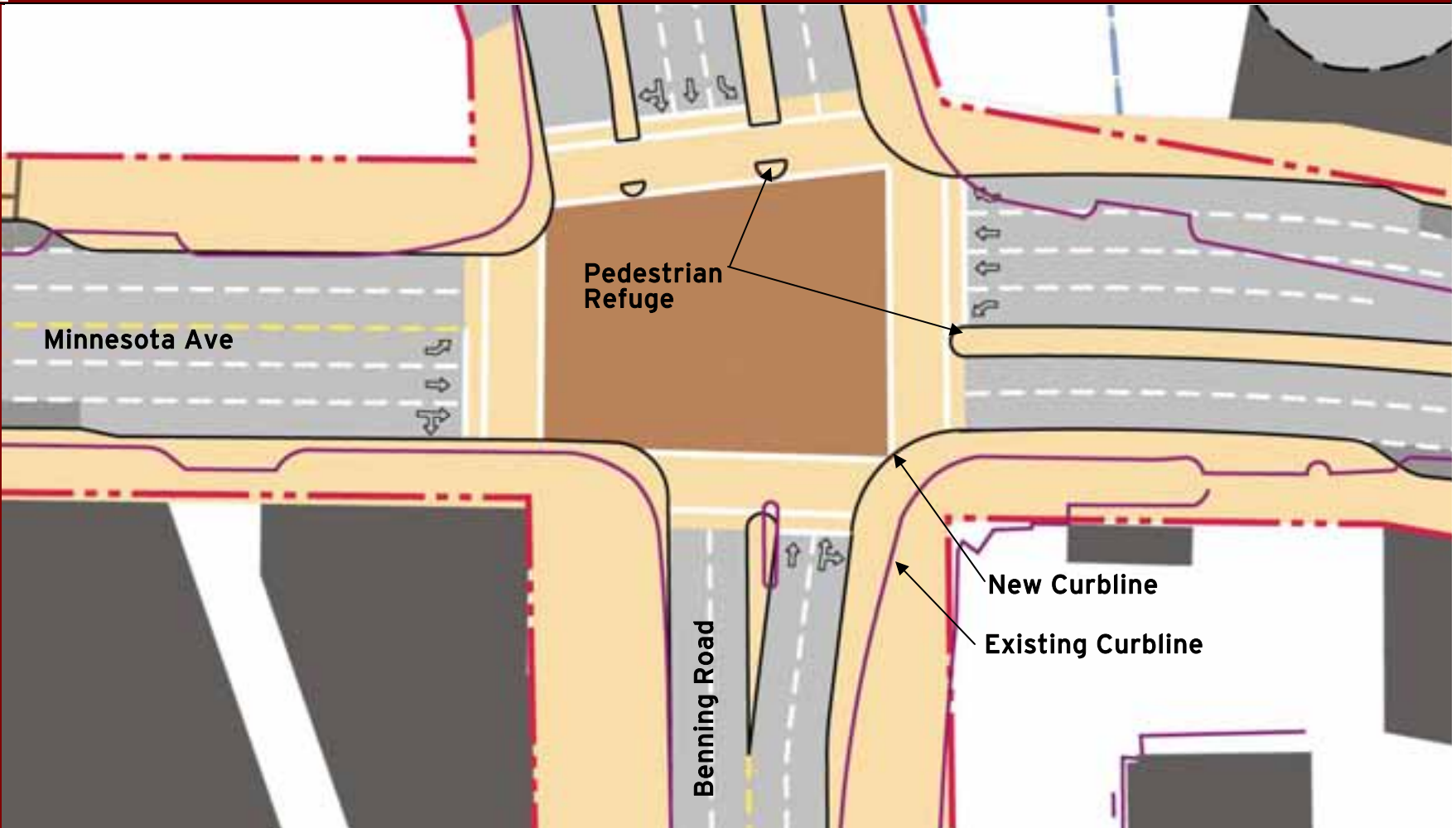
Recommendations

- Increased pedestrian crossing time (for Minnesota Ave at Dix St)
- Added medians for pedestrian safety and crossing buffers
- Modified lane use to improve traffic operations





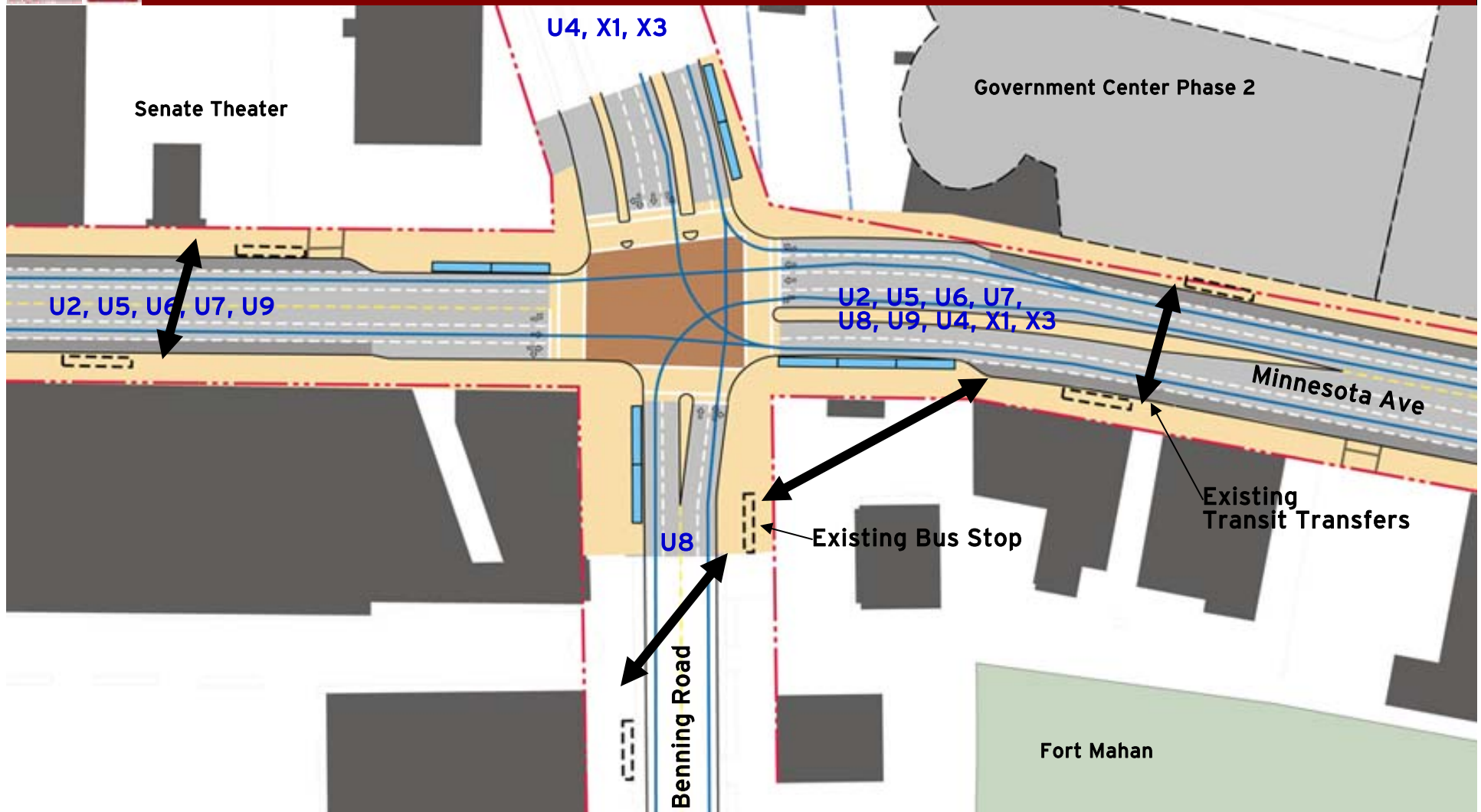
Minnesota and Benning Intersection Improving Pedestrian Safety



Recommended Improvement:

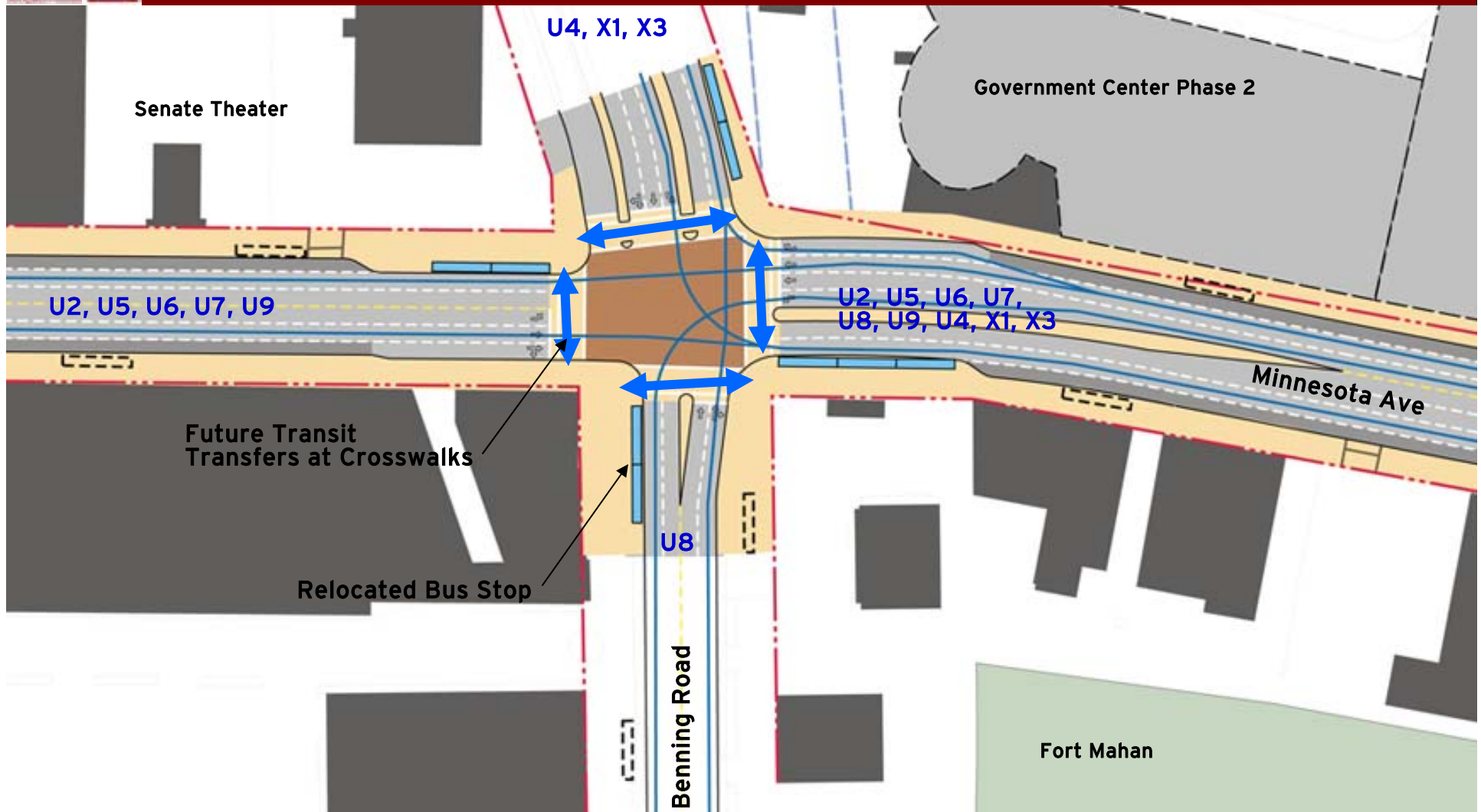
Narrow travel lanes and tighten curb radius to control vehicular traffic and shorten pedestrian crosswalks

Minnesota and Benning Intersection Improving Transit Connections



Identified Problem:
Stop Locations Encourage Mid-Block Pedestrian Crossings

Minnesota and Benning Intersection Improving Transit Connections



Recommended Improvement:

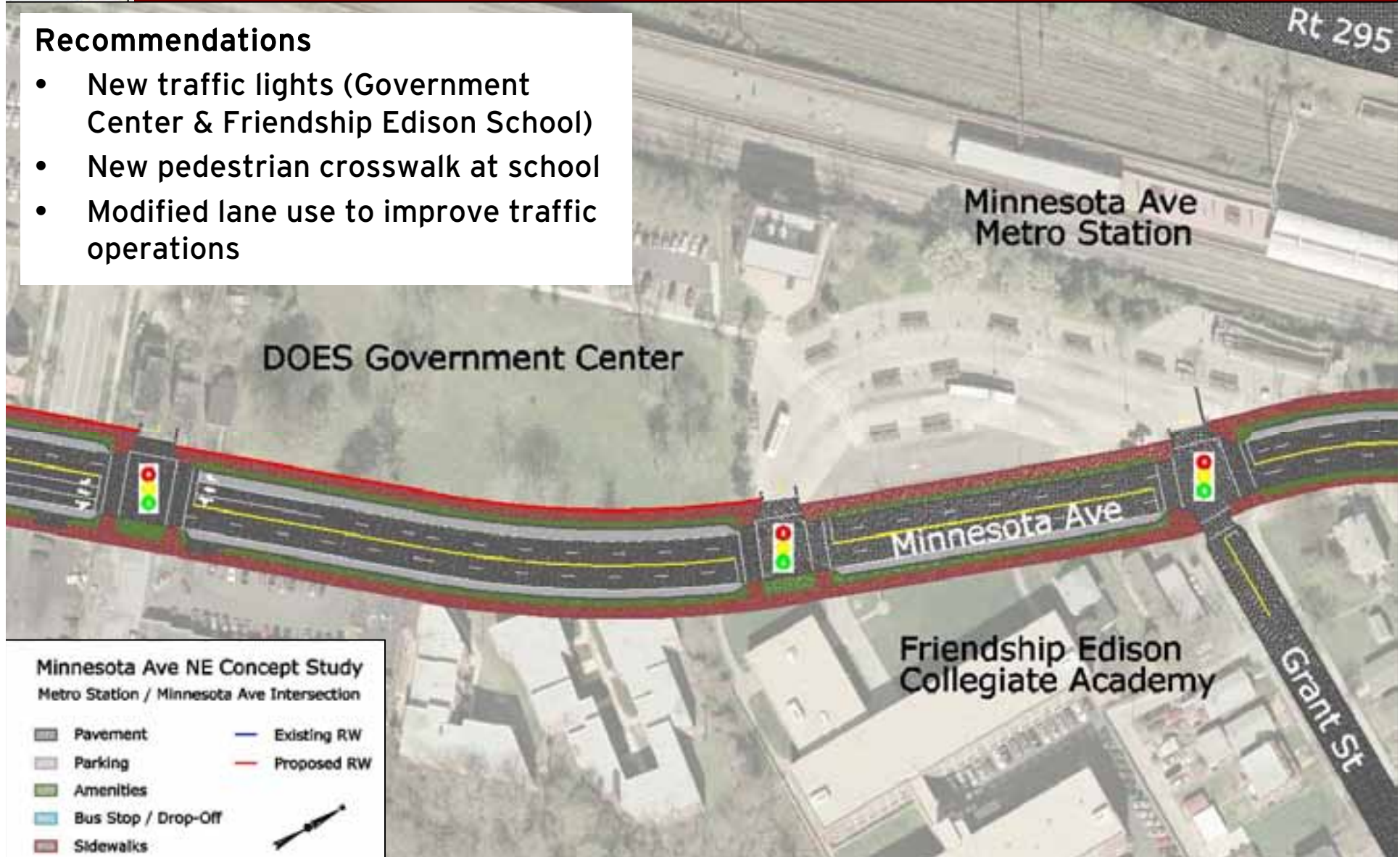
Provide Far-Side Bus Stops To Enhance Transfer Connections and Transit Service



Government Center and Metro Station Design Concept and Traffic Analysis

Recommendations

- New traffic lights (Government Center & Friendship Edison School)
- New pedestrian crosswalk at school
- Modified lane use to improve traffic operations





Design Concept - Mixed-Use Area East Capitol to Blaine St



Recommended Improvements:

Pedestrian:

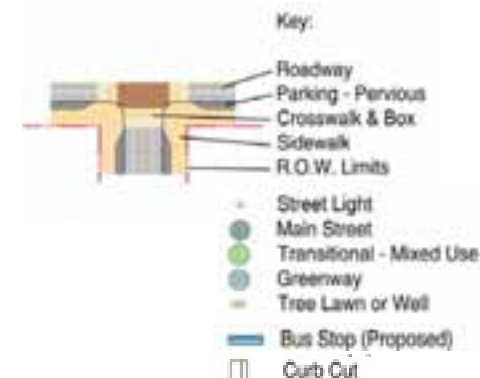
- Enhanced Sidewalks and Crosswalks
- Pedestrian Activated Signal at Blaine
- Curbs are Consolidated

Transit:

- Improved Bus Stops

Roadway:

- Elimination of Slip Ramp at East Capitol
- Intersection and Signal Improvements





Transitional - Mixed Use Area

Existing and Proposed Street Sections

Existing

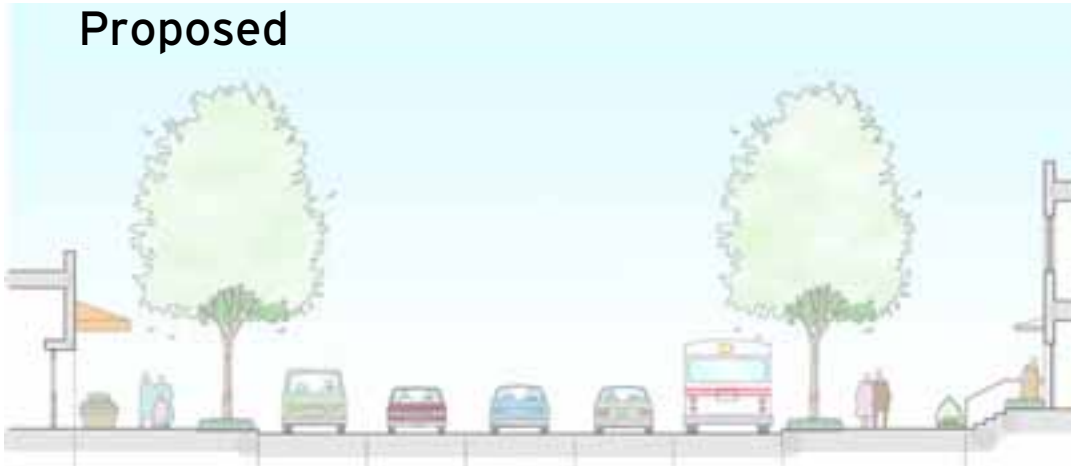


Narrow Sidewalks, up to 6 Travel Lanes



Existing Photo - Near East Capitol

Proposed



Wider Sidewalks (16' Minimum)
4 Travel Lanes and a Turn Lane



Potential Example

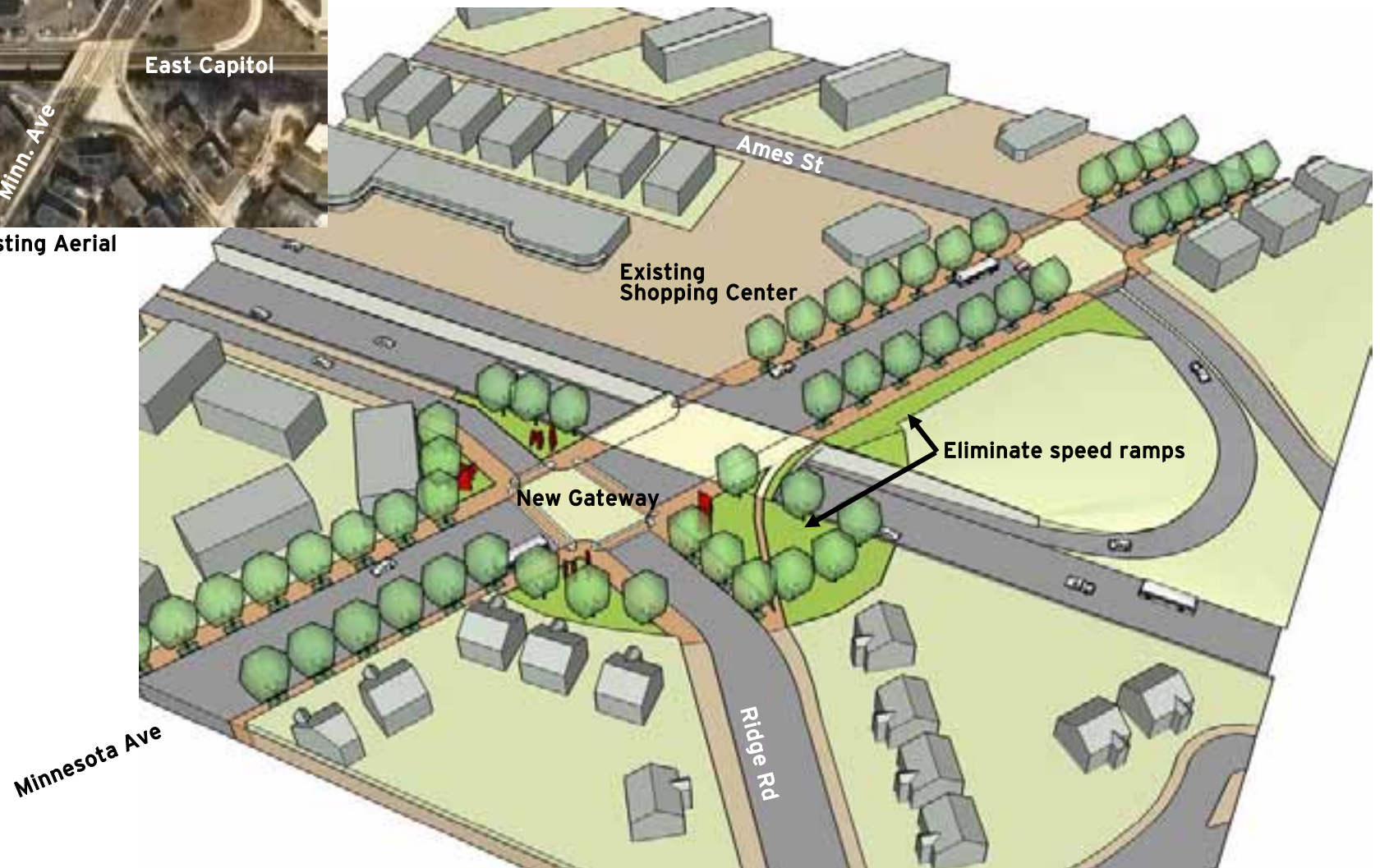


East Capitol Gateway



Existing Aerial

Reconstruct intersections at Ames and Ridge Road to create a safer and new "green" gateway into Downtown Ward 7





Greenway Design Concept Metro to Nannie Helen Burroughs



Recommended Improvements:

Pedestrian:

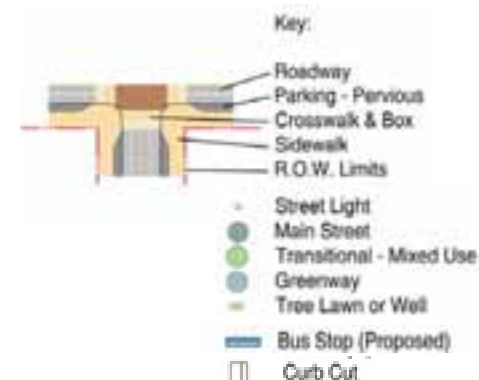
- Enhanced Sidewalks and Crosswalks
- Curbcuts are Consolidated
- Widened Pedestrian Crossing at Watts Branch Creek

Transit:

- Relocated Bus Stops at Hayes Street

Roadway:

- Roadway Neckdowns at Gault Pl, Hayes St and Hunt Pl
- Signal and Roadway Improvements





Greenway Area

Existing and Proposed Street Sections

Existing

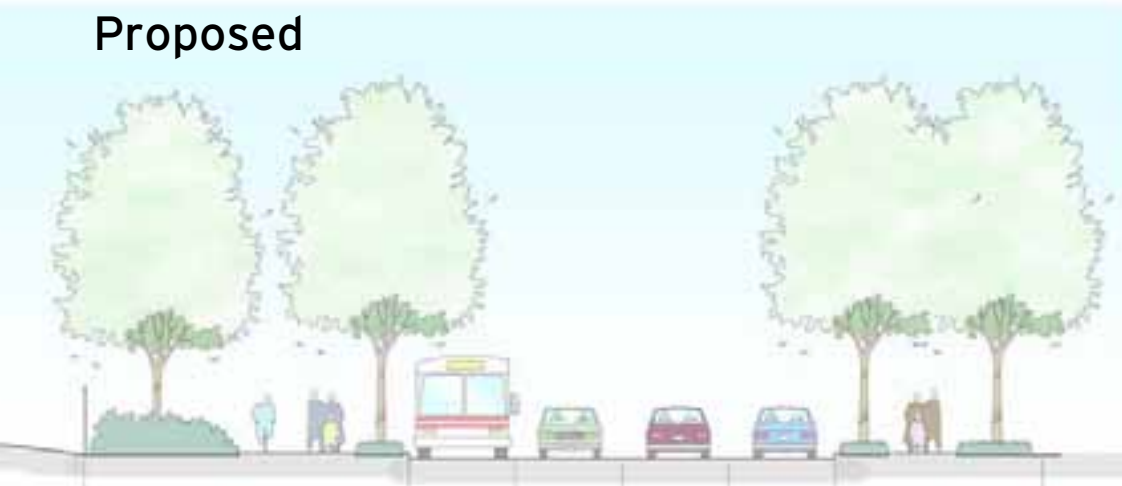


4 Travel Lanes



Existing Photo -
Near Nannie Helen Burroughs

Proposed



Enhanced Sidewalk Landscaping
4 Travel Lanes and a Turn Lane

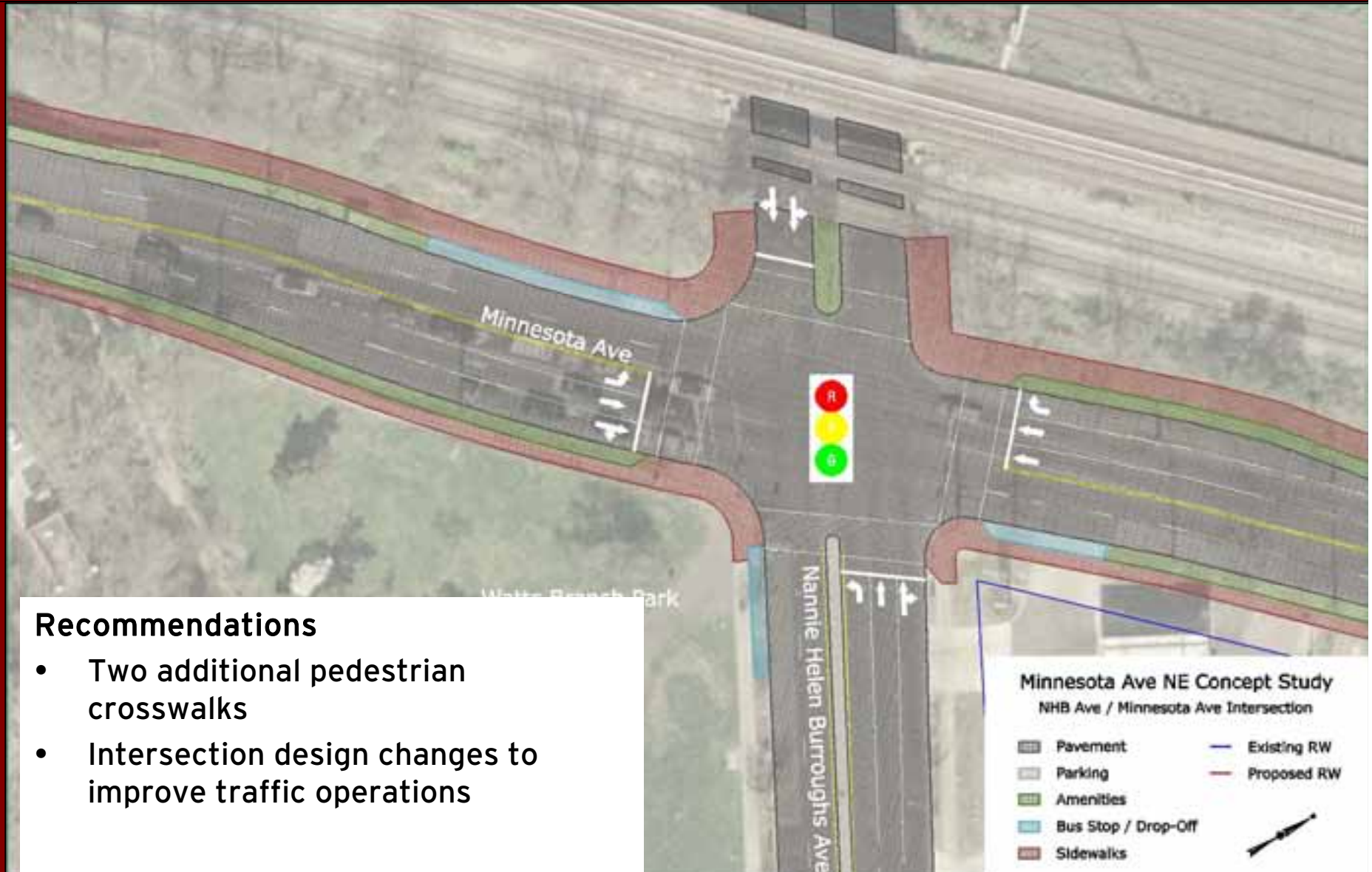


Potential Example



Minnesota Ave / Nannie Helen Burroughs

Design Concept - Traffic Analysis



Recommendations

- Two additional pedestrian crosswalks
- Intersection design changes to improve traffic operations



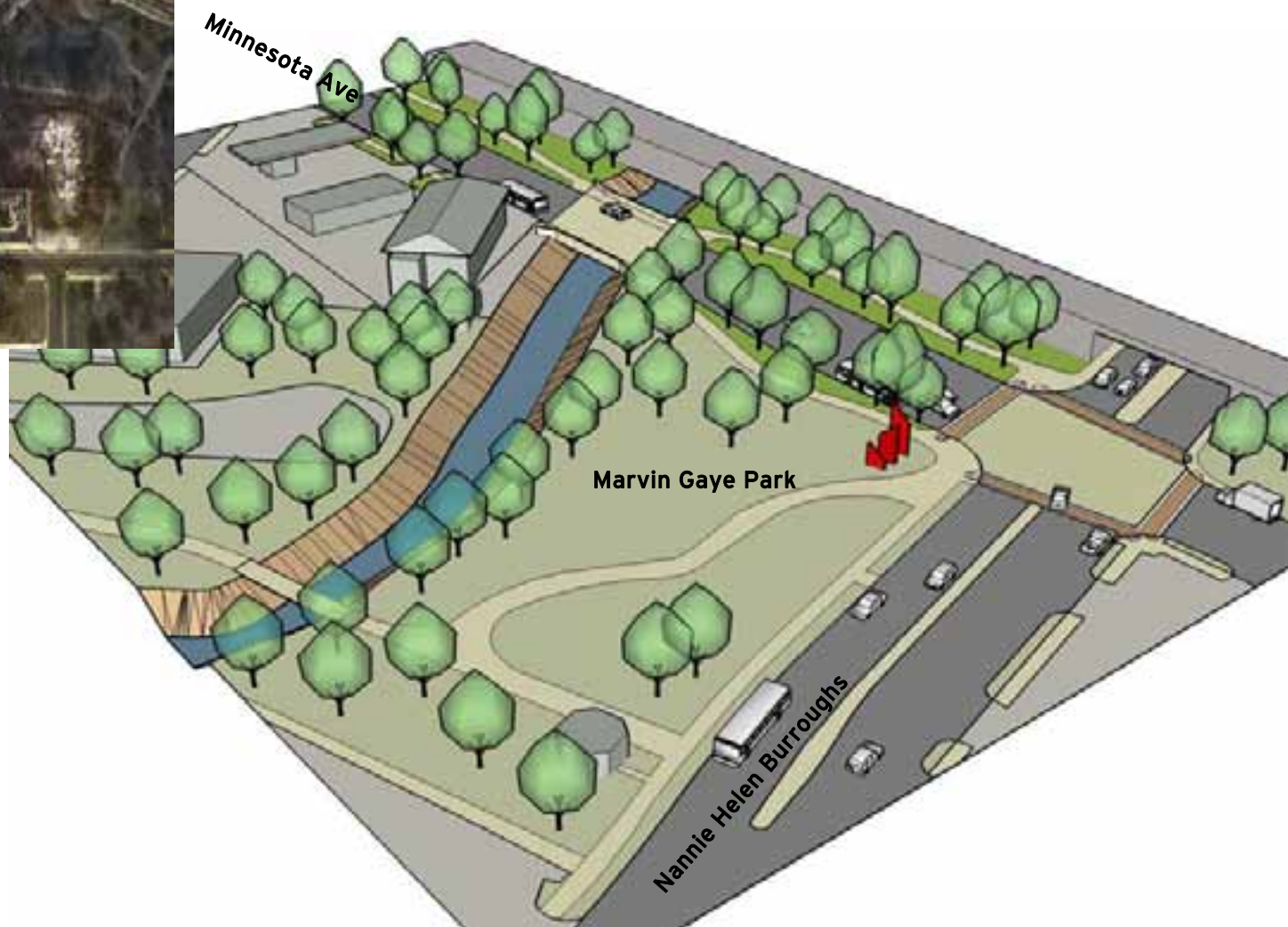
Marvin Gaye Park Gateway

Nannie Helen Burroughs and Minnesota

Improve northern "green" gateway into Downtown Ward 7 with landscaping and public art



Existing Aerial





Minnesota Ave NE

Design Concept

Questions?



Downtown Ward 7 Minnesota Ave NE Streetscape

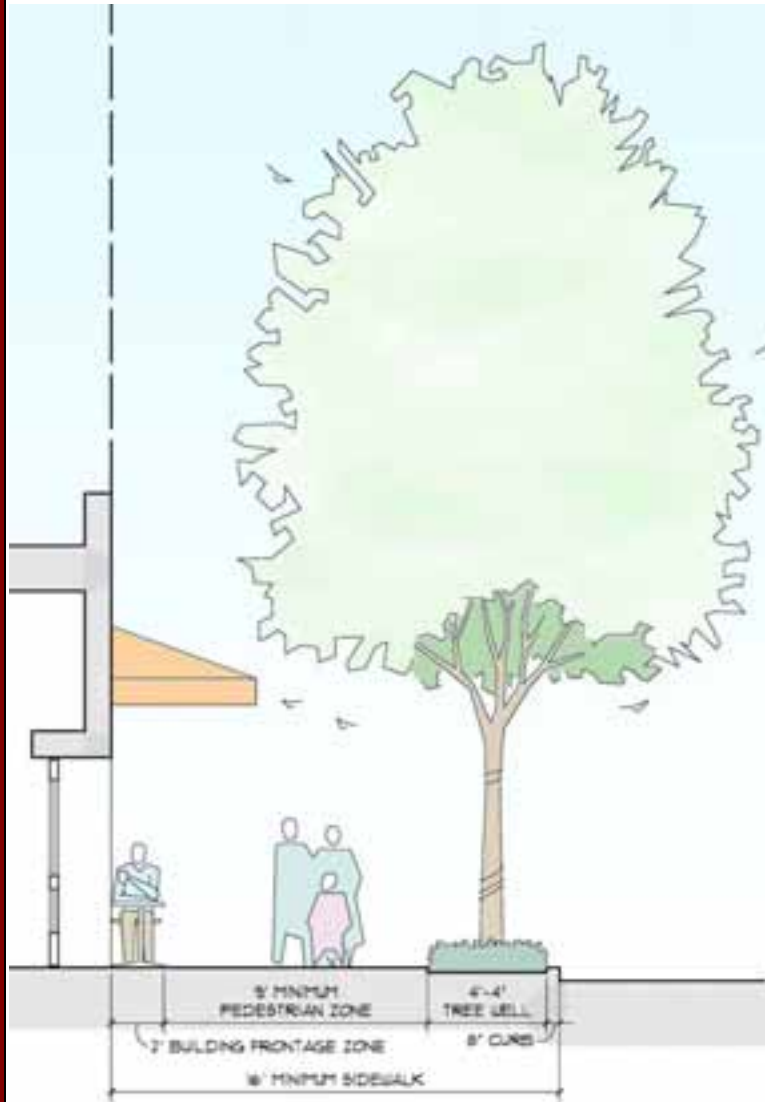
Streetscape Design

- Paving - Sidewalks, Intersections and On-street Parking
- Landscape - Trees and Tree Wells
- Furnishings - Standard and Customization
- Public Art Framework and Opportunities

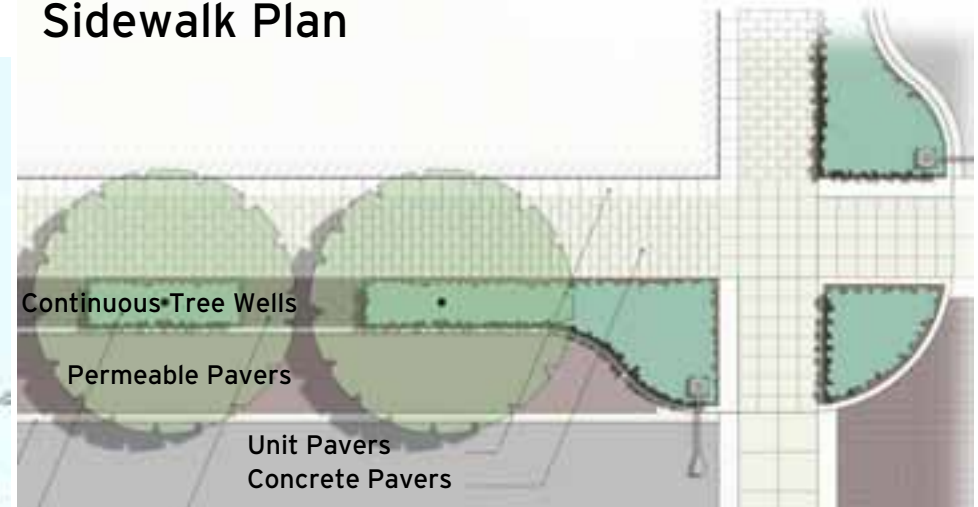


Streetscape Main Street Area

Sidewalk Section



Sidewalk Plan



Material Examples



Concrete Pavers

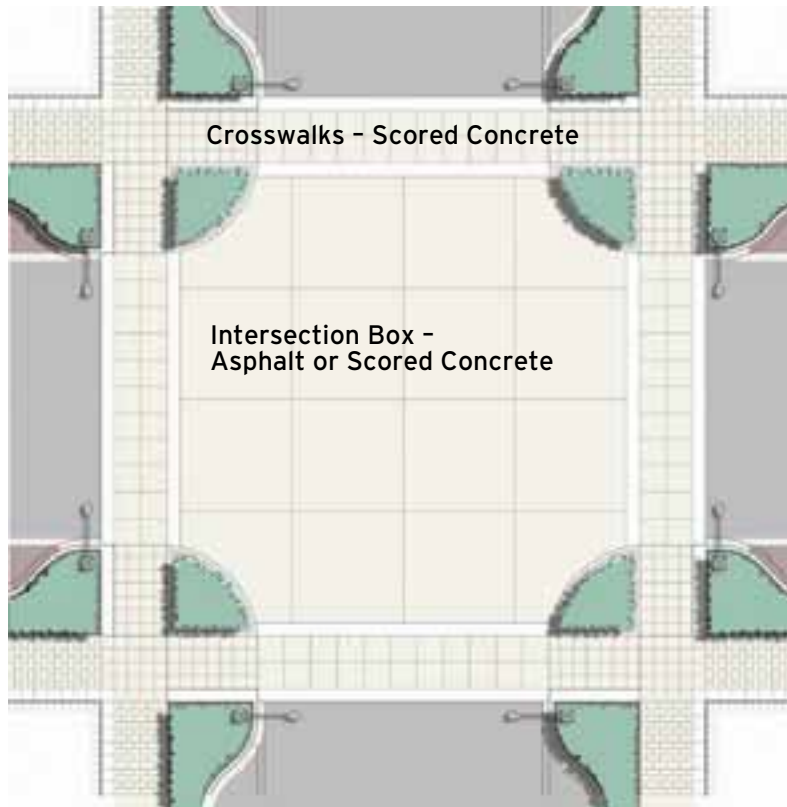


Granite Pavers

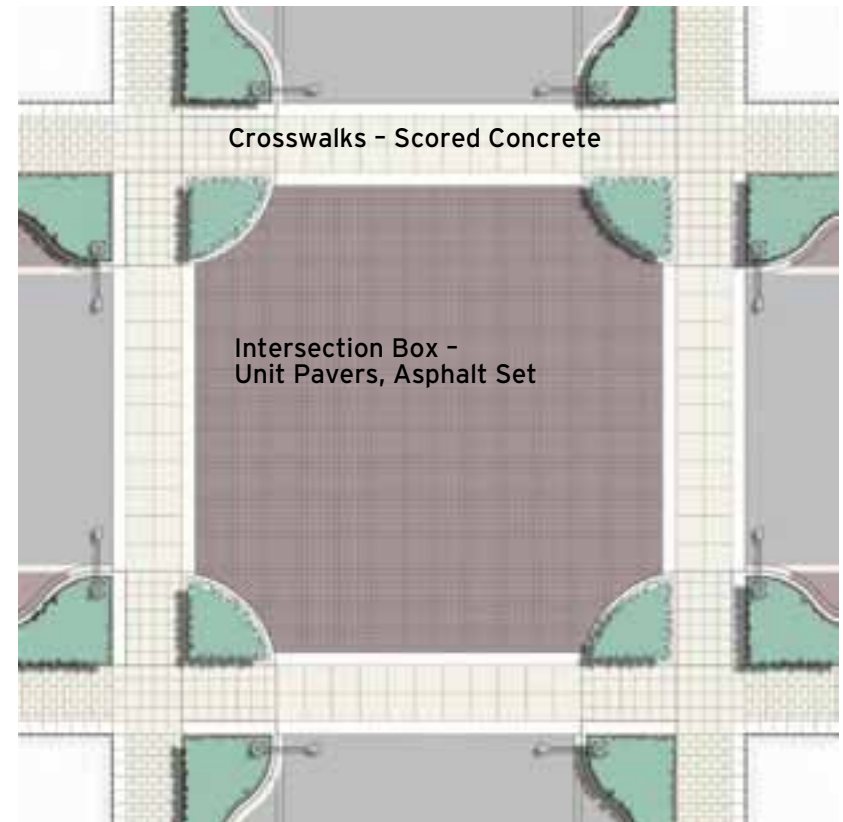


Streetscape Design Intersection Alternatives

Base Alternative



Special Intersections





Streetscape Design

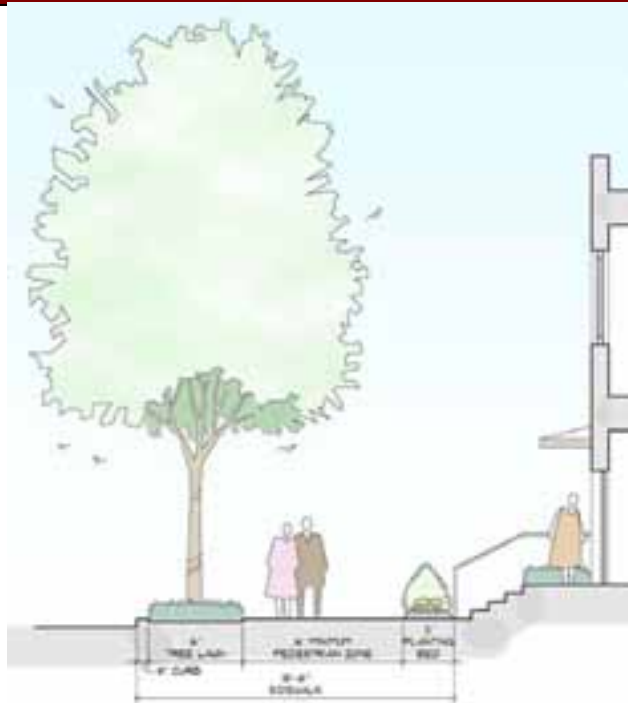
Main Street Area - Illustrative Example



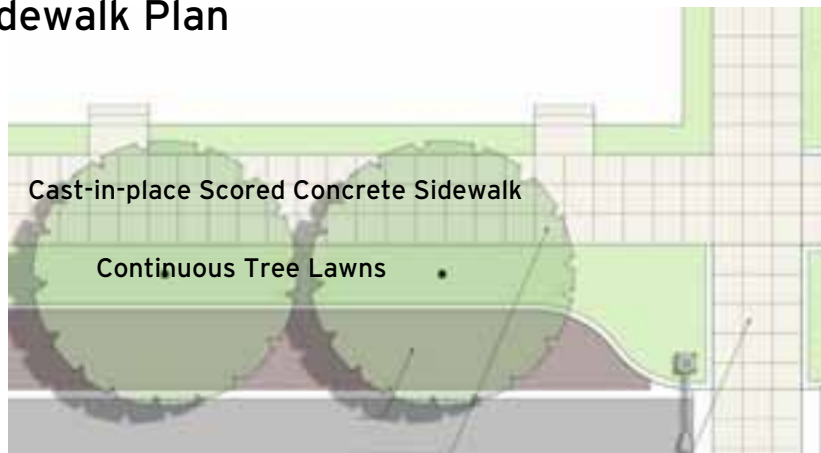
Streetscape Transitional and Greenway

Transitional Streets

Sidewalk Section

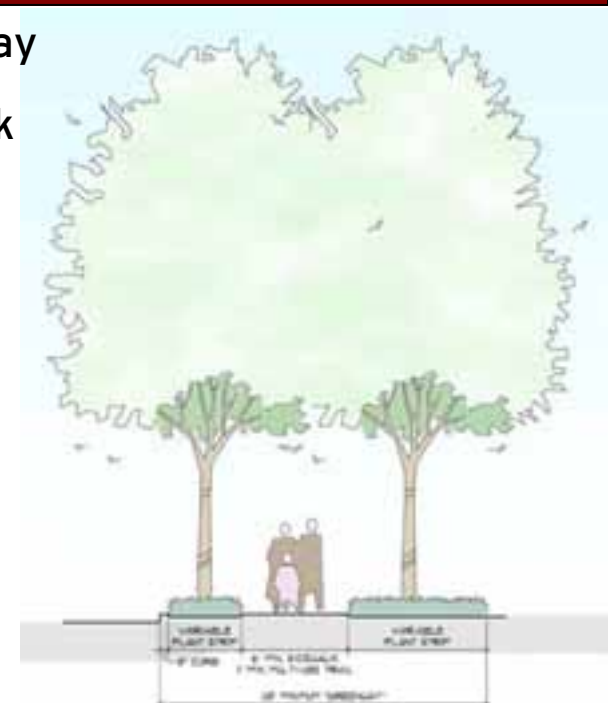


Sidewalk Plan



Greenway

Sidewalk Section



Sidewalk Plan





Landscape Framework

1 Main Street Urban - Formal & Uniform



2. Greenway - Informal



3. Transitional - Large Canopy





Landscape -Tree Types

Selected for Form, Color, Bark and Leaf Structure

Main Street Urban

London Plane



Greenway

Heritage River Birch
American Hornbeam



Transitional

Red Maple
Allee Elm





Great Streets Framework Plan

Streetscape Furnishings

Standards

Street Lighting

Bus Shelters

Trash Receptacles

Parking Meters





Great Streets Framework Plan

Streetscape Furnishings

Opportunities to Customize

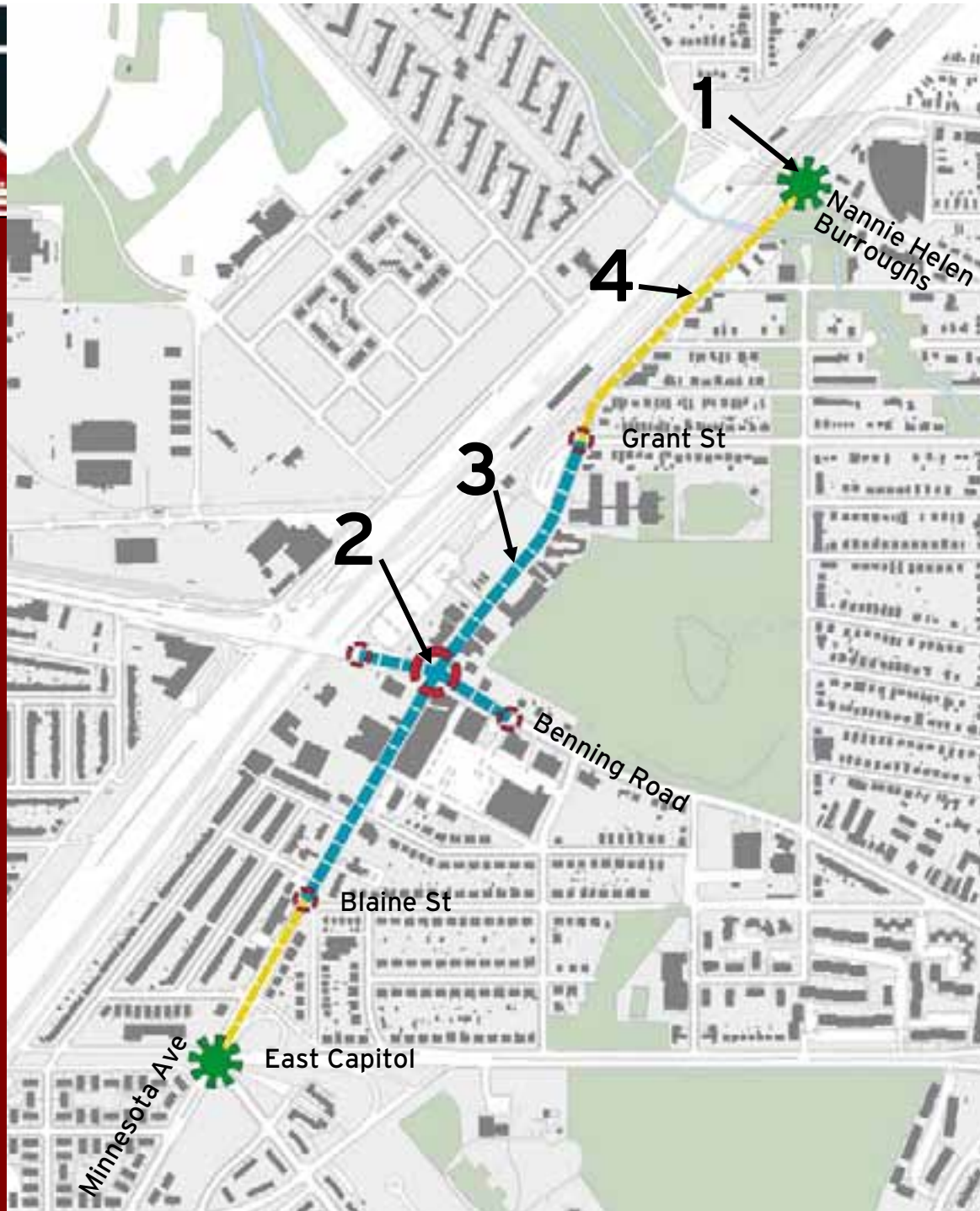


Seating

Bike Racks



Public Art Framework



1. Community Gateway Areas
2. Neighborhood Focus Areas
3. Main Street - Primary Streetscape
4. Secondary Streetscape



Integrating Public Art in the Next Phase

Joint Effort – DC Arts & Humanities Commission and DDOT

- Incorporate strategies to support the development and work of local artists
- Include community members in the process



Site-Specific Commissions

- Sculptures
- Fountains



Streetscape Elements

- Special Lighting, Paving Murals, Seating





Downtown Ward 7 Minnesota Ave NE Streetscape

Related Projects

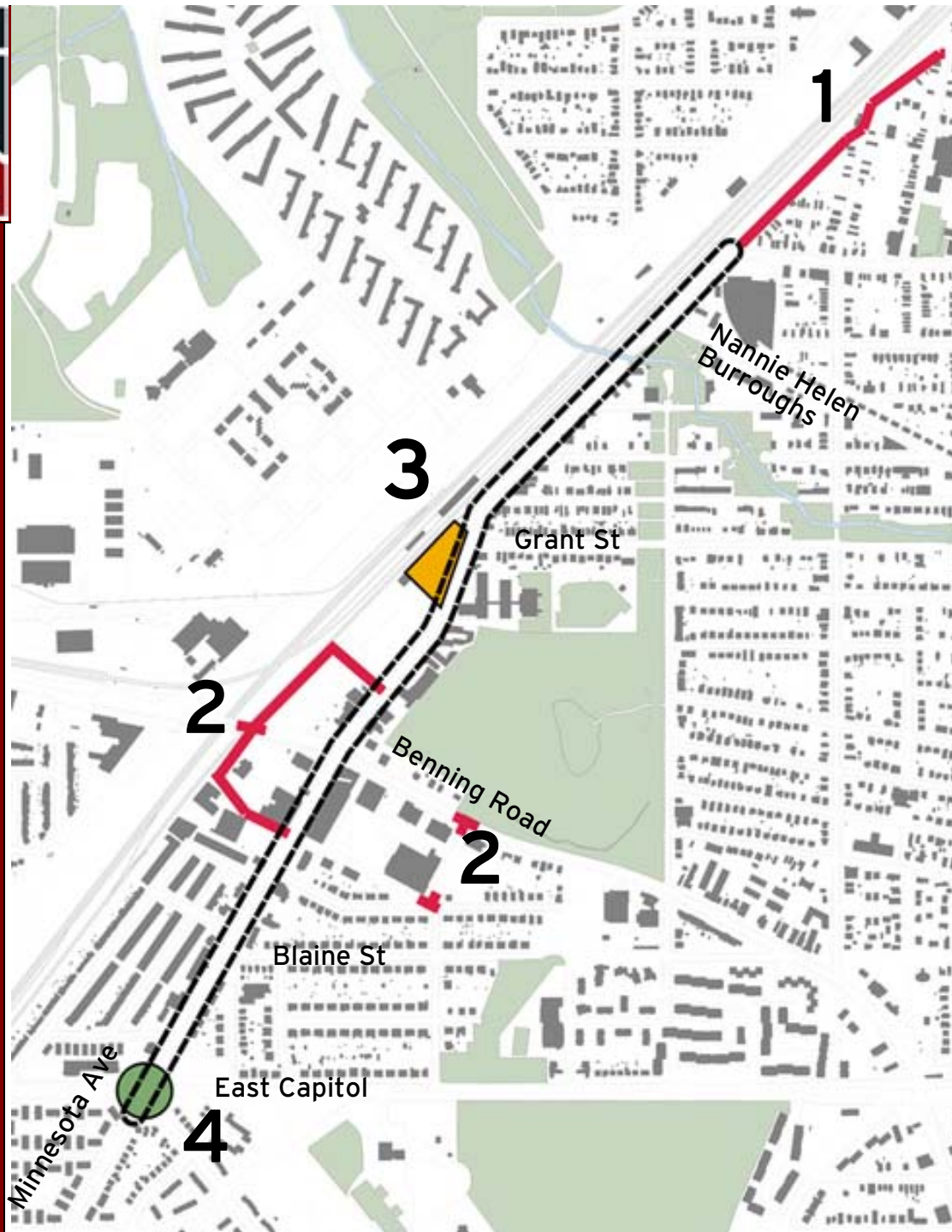
Outside of Minnesota Ave Streetscape Scope of Work

Related Projects

DDOT Ward 7 Traffic Calming Study

Kenilworth Avenue Corridor Study

1. Minnesota Ave Extension
2. Benning Road Viaduct Reconstruction - Potential New Intersection
3. Metro Bus Bay Redesign
4. East Capitol Reconstruction





Related Projects

Benning Road Viaduct Reconstruction

- Create new intersection on Benning Road Bridge west of Minnesota Ave to reduce congestion at Minnesota-Benning intersection
- Creates neighborhood gateway
- Provides additional access for potential revitalization



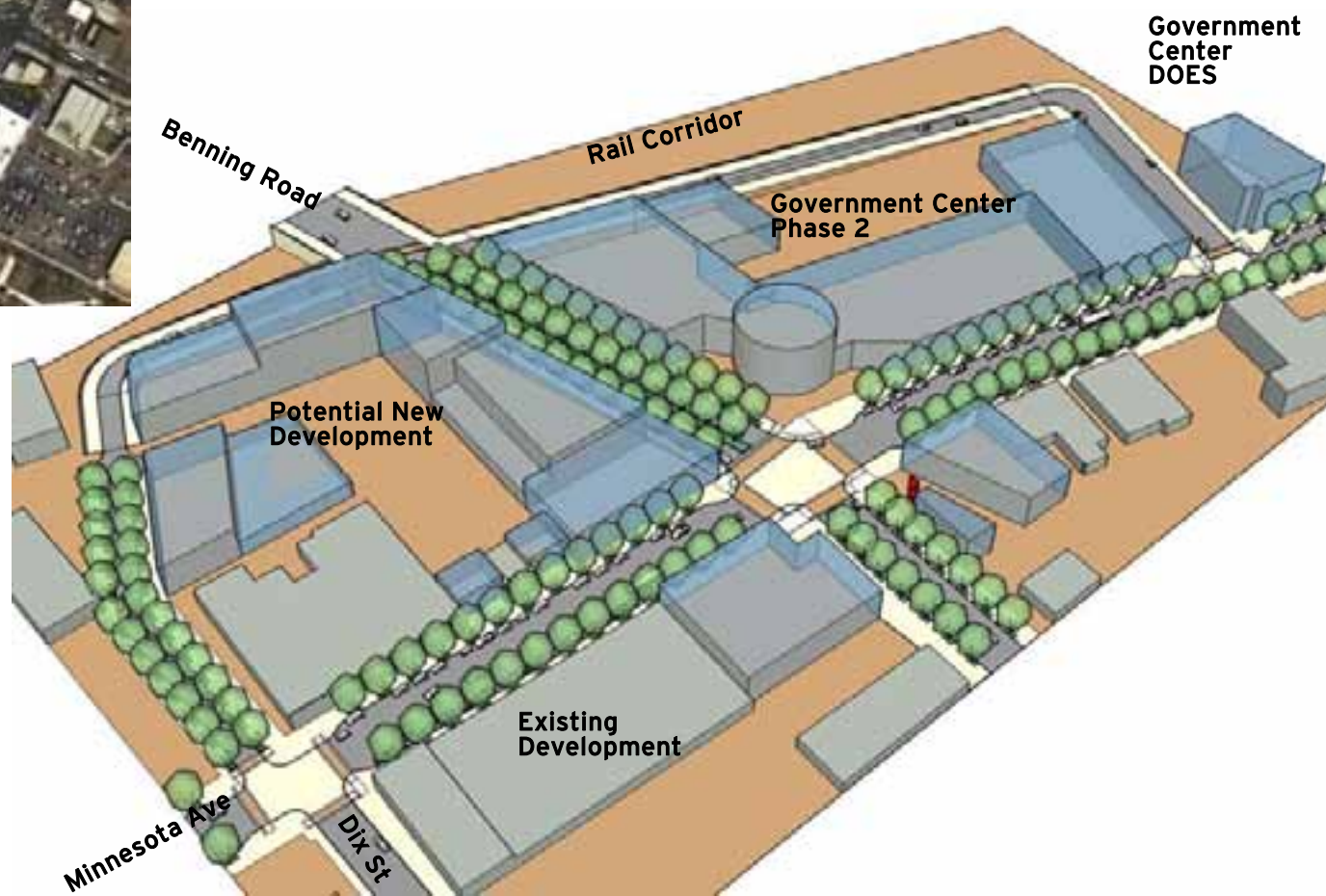


Related Projects

Benning Road Viaduct Reconstruction



Existing Aerial





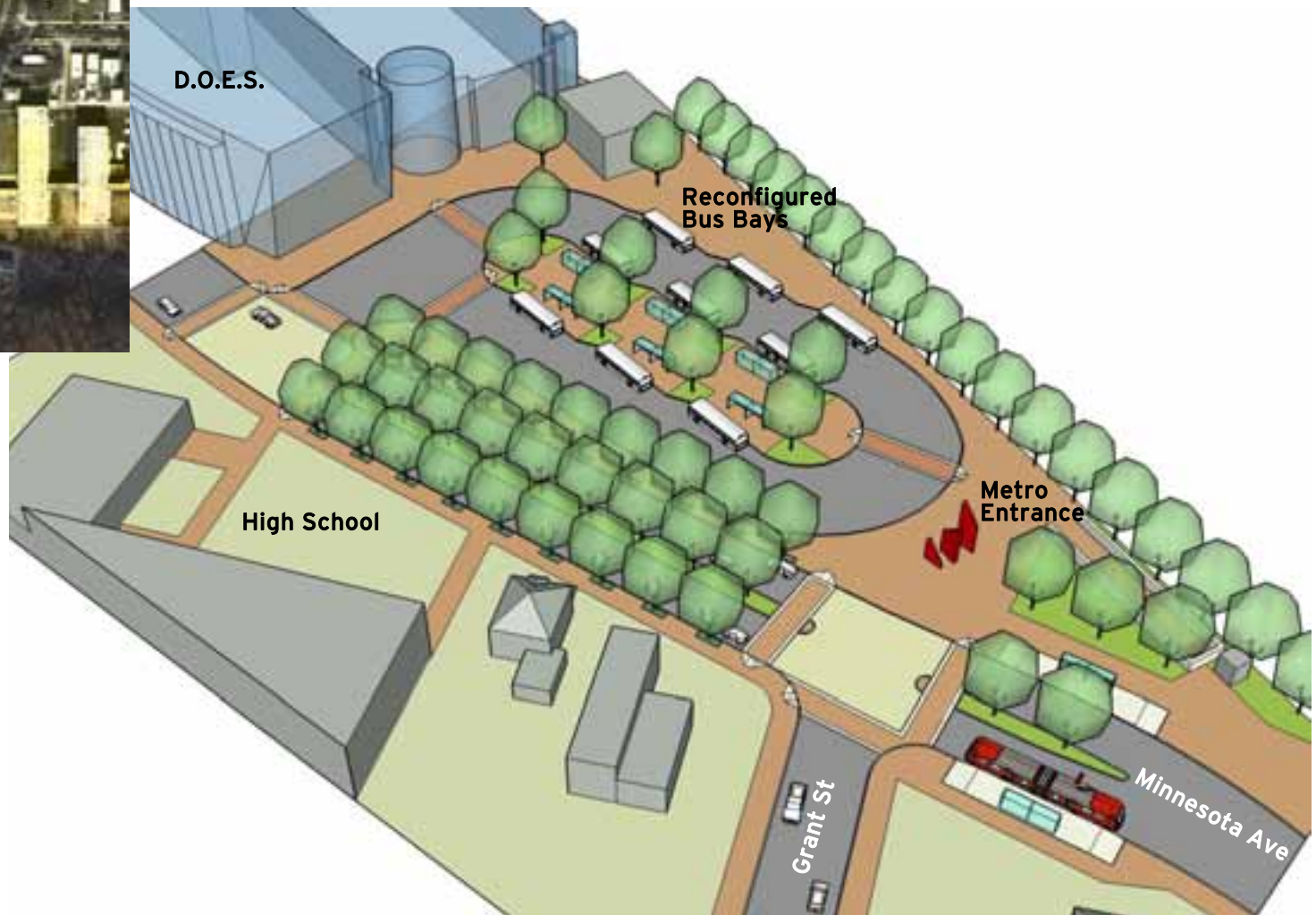
Related Projects

Metro Bus Bays Reconstruction - Concept 1 - WMATA

- Reconfigure Bus Bays
- Provide signalized intersection & crosswalks at Grant Street & High School



Existing Aerial





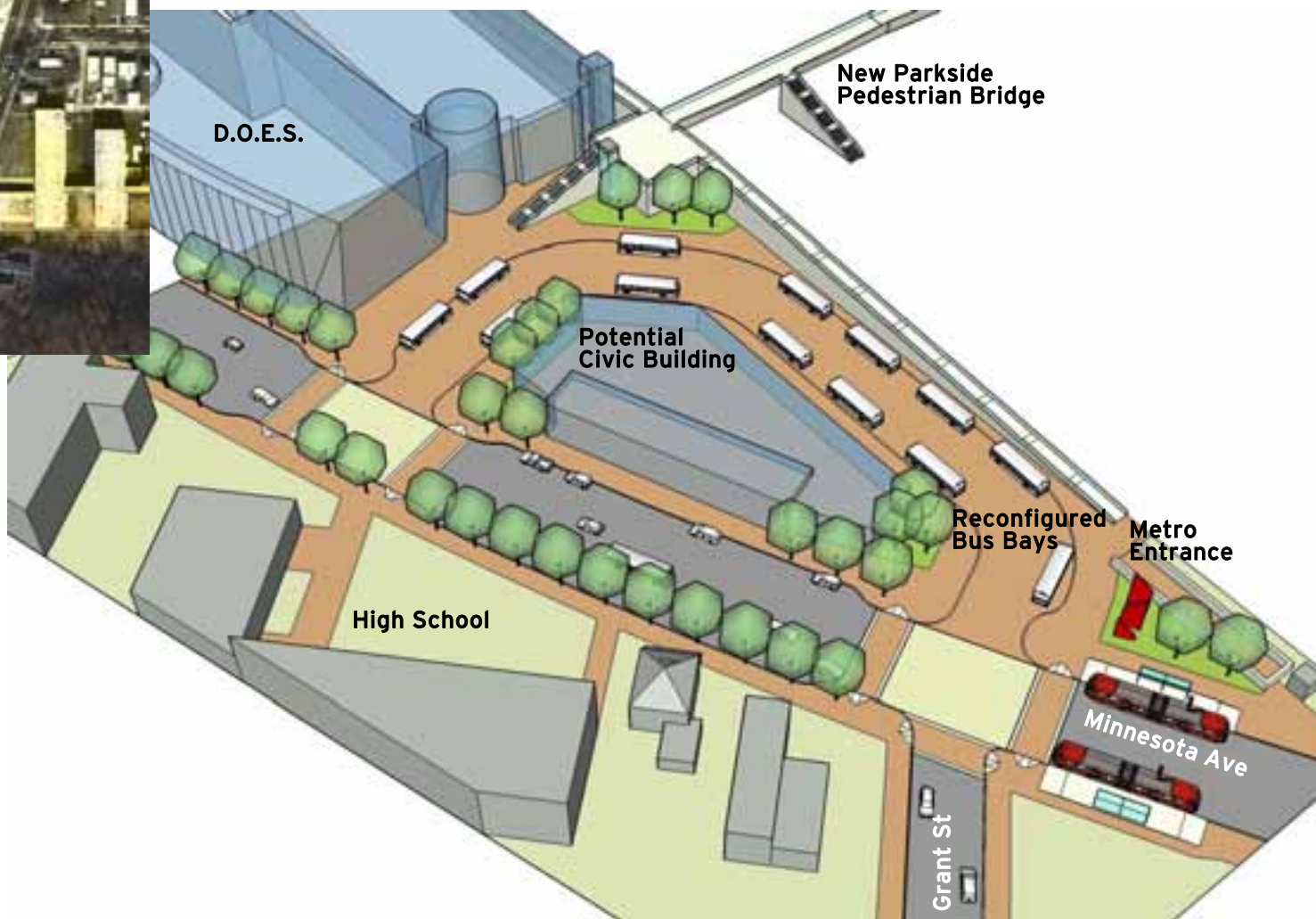
Related Projects

Metro Bus Bays Reconstruction - Concept 2

- Reconfigure Bus Bays
- Create Site for Potential Civic Building as Neighborhood Gateway
- Provide signalized intersection & crosswalks at Grant Street & High School



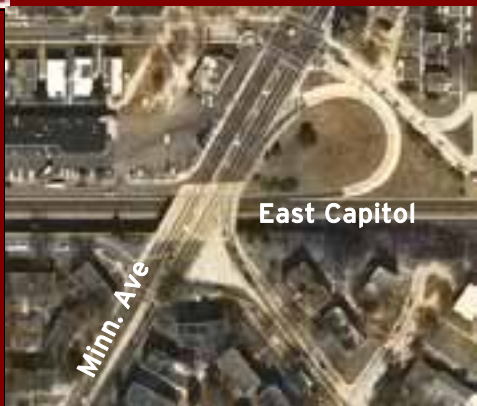
Existing Aerial





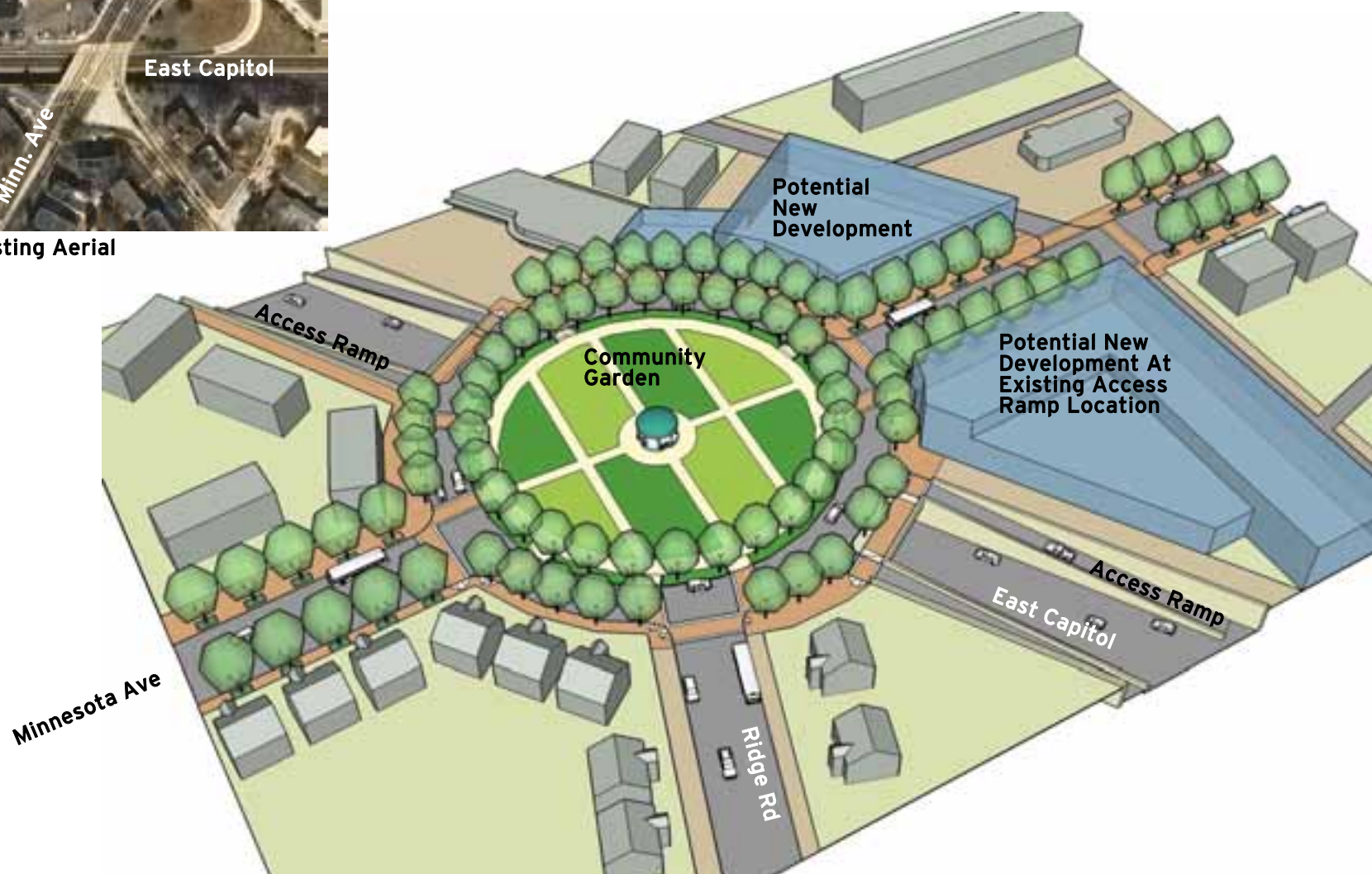
Related Projects

East Capitol Overpass Reconstruction "Minnesota Circle"



Existing Aerial

Identified in Great Streets Framework Plan
Creates new "green" gateway into Downtown Ward 7





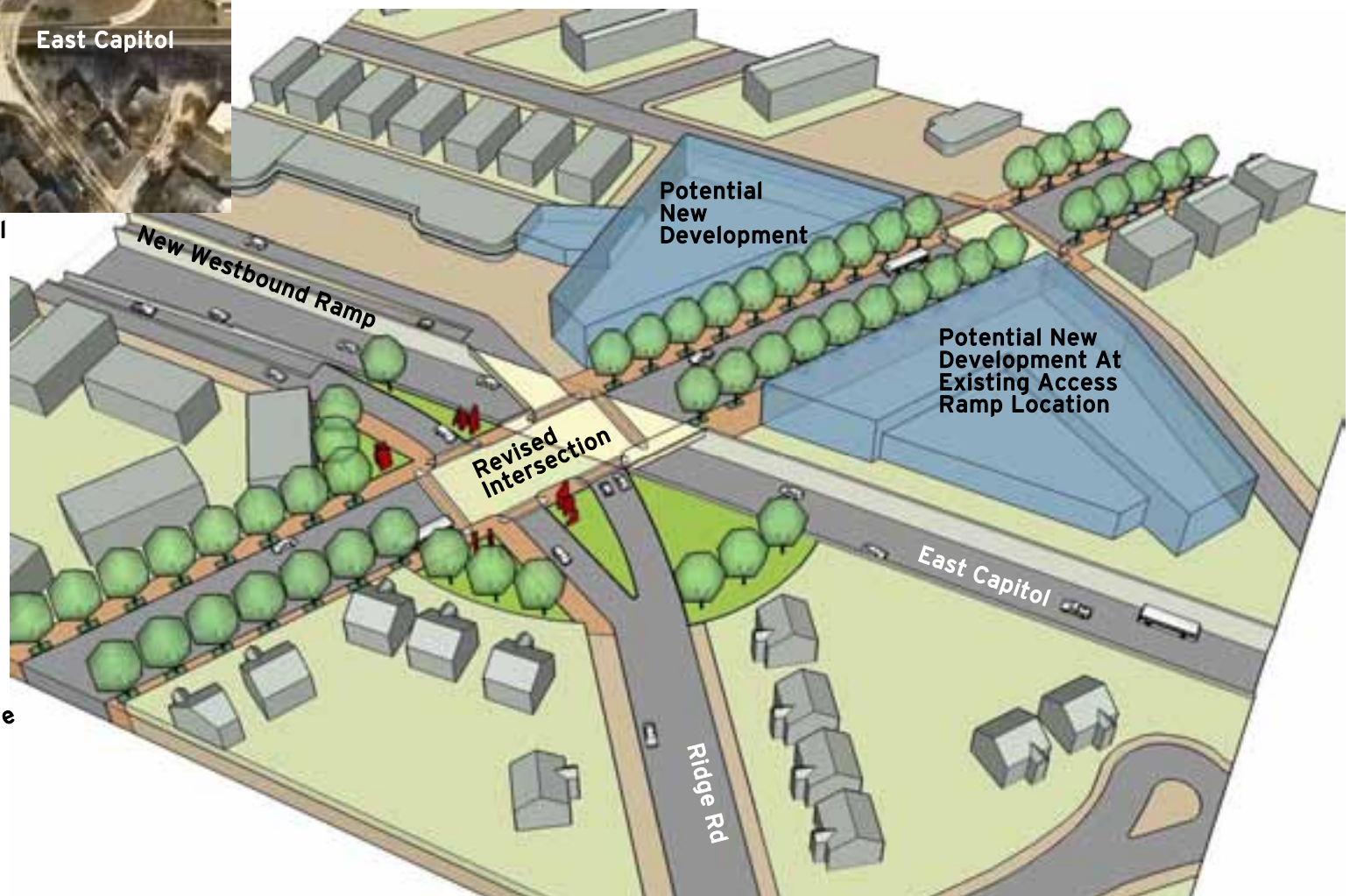
Related Projects

East Capitol Overpass Reconstruction Revised Intersection with Access Ramps West of Minnesota Ave

Create new "green" gateway into Downtown Ward 7



Existing Aerial





Design Concept Summary

Implementing the Great Streets Program

Community Concerns

- Poor condition of existing sidewalks and streetscape
- Unsafe intersections
- Poor condition of bus stops

Community Aspirations

- Improve pedestrian safety and experience
- It should be green
- Define gateways and special intersections
- Improve the bus stops
- Provide for local traffic, redirect regional through traffic
- Incorporate local public art
- Strengthen the Main Street with retail and sit-down restaurants, entertainment



Concept Design Recommendations

- Sidewalk and roadway improvements to enhance safety and economic development
- Crosswalk and intersection improvements
- New paving and street trees to enhance appearance
- Improved bus stops
- Framework for Public Art Opportunities



Next Steps

Downtown Ward 7 Minnesota Ave Great Streets Implementation - Phase 2

- End of 2007 - Proposed Design Completion
 - Updates will be provided through ANC's
- Spring 2008 - Proposed Construction Start

DC Office of Planning

- Deanwood / Minnesota Ave / Nannie Helen Burroughs
Land Use Study
- First Public Open House
 - 6:30-8:30pm, March 22, 2007
 - Friendship Edison Public Charter School



Downtown Ward 7 Minnesota Ave NE

Concept Design

Questions and Answers



Meeting Adjourned

Information and Contact Info:

- Website Address
 - www.ddot.dc.gov
 - Major Initiatives - Great Streets Initiative
- Zahra Dorriz, Project Manager
 - Email - Zahra.Dorriz@dc.gov
 - Phone - (202) 671-4653

