



Public Information Meeting

Reconstructing Broadway - Wesley to Iowa

John Collins United Methodist Church
2320 South Bannock Street; Denver, Colorado
Wednesday, May 13, 2009 / 7 - 8:30 p.m.

Agenda

Welcome/Introduction	Sarah Gohde
Project Updates - TOD & Broadway	Dennis Ohlrogge
Project History & Overview	Dennis Ohlrogge
Project Details & Elements	George Tsiouvaras
Urban Design & Special Elements	Margaret Loperfido
Process & Schedule	Robert Maursin
Meeting Rap-up	Councilman Chris Nevitt
Question and Answer	Project Team

Sponsored by:
The City and County of Denver

For more information, please contact George Tsiouvaras, Consultant
Project Manager at 303-771-6200, or Dennis Ohlrogge, City and
County of Denver Project Manager at 720-913-4546.

As a major urban arterial and transportation corridor, Broadway supports a variety of transportation modes, links residential and commercial districts, and provides a vital connection to downtown from Englewood, Littleton and Highlands Ranch. Broadway, between Wesley and Iowa Avenues, carries approximately 34,000 vehicles per day; due to increased traffic and age, however, it no longer meets design and operational standards.

The Broadway Corridor Reconstruction will consist of three project segments between Yale and Arizona, and will allow this important corridor to meet future need and anticipated growth. The improvements proposed for Broadway are based on recommendations made in the *Broadway Corridor Transportation and Urban Design Study* as well as the *Denver Strategic Transportation Plan, 2008*, and are an integral part of Transportation Oriented Development (TOD) plans and studies currently underway.

The three projects, Yale to Wesley, Wesley to Iowa, and Iowa to Arizona, are currently in different phases. The Yale to Wesley project is in the final design phase and is scheduled to begin construction later this year. The Iowa to Arizona project's design phase is finished and the construction contract has been awarded to Concrete Works of Colorado. Work is expected to start this summer and is anticipated to take one year.

This final, \$ 18 million segment, Wesley to Iowa, is entering the design phase, which is anticipated for completion by summer 2010. Construction is expected to begin late 2010 or early 2011. This 8-block segment, the longest project within the corridor, is funded through a combination of City and County of Denver Maintenance funds and Federal Aid transportation grants.

Planned infrastructure improvements include:

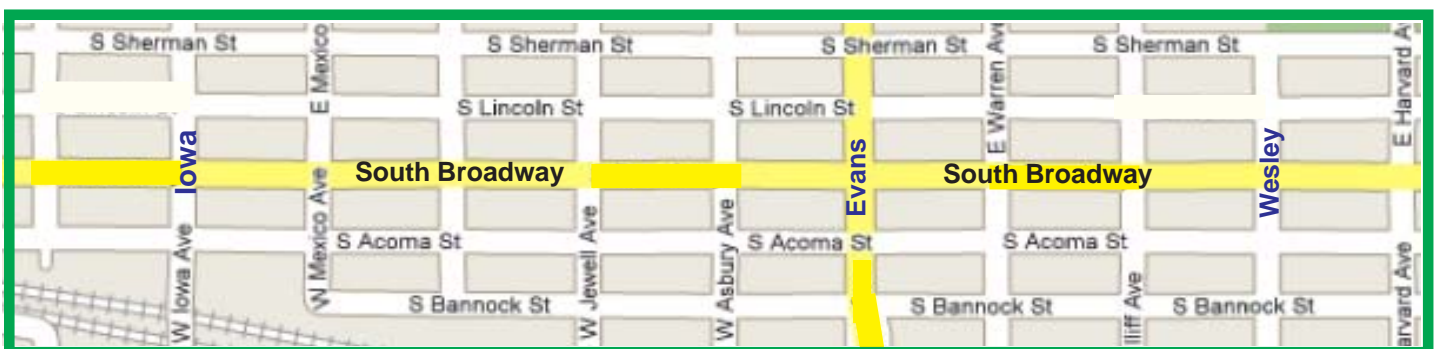
- Reconstructing in new concrete pavement
- Widening the roadway by 5-6 feet on each side
- Enhancing intersections
- Installing medians and turn lanes
- New traffic signals
- Public and private utility upgrades
- Major drainage and storm sewer reconstruction
- Sidewalk & ADA ramp reconstruction
- Upgraded roadway lighting

Planned streetscape improvements include:

- Raised medians
- Irrigation systems in the medians
- New trees to replace those impacted
- Irrigation sleeves for future trees

Because funding for the project is provided through maintenance funds and Federal Aid, additional streetscape improvements are not included. However, the City and County of Denver intends to work with property owners to form a special district that will create an improvement program for streetscape enhancements such as pedestrian lighting, benches, landscaping, trees, planters, trash receptacles, art, signage, fencing, and banners.

The funding for the purchase and maintenance of these additional enhancements may be provided by the special district's property/business owners. The City and County of Denver will install the enhancements, if approved, as part of the infrastructure improvement project. Installing the enhancements as part of the project will cost significantly less than if was constructed as a separate project.



The Broadway Corridor, Wesley to Iowa

Welcome

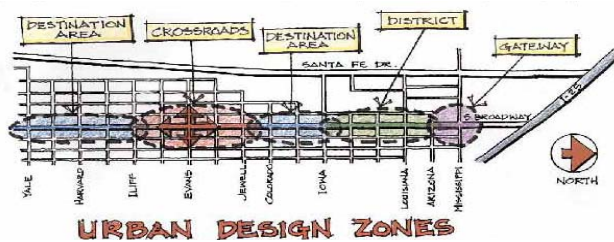
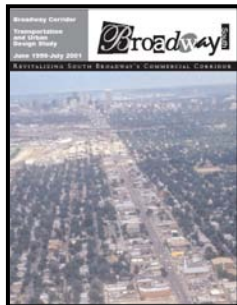
Broadway Reconstruction Wesley To Iowa

Open House Meeting #1

May 13, 2009

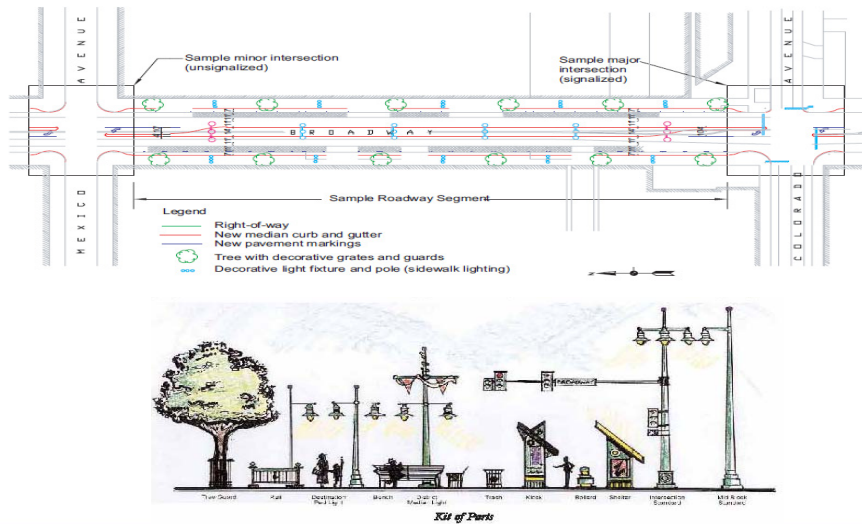
BROADWAY
Wesley to Iowa

Broadway Corridor Study



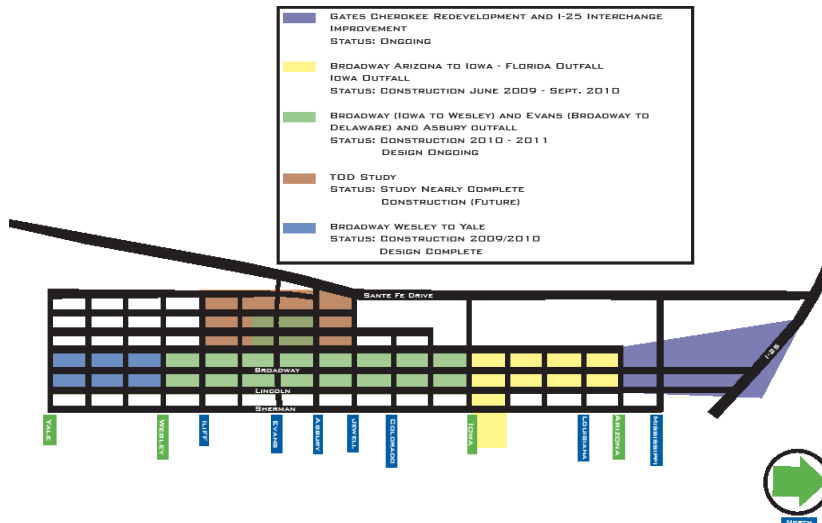
BROADWAY
Wesley to Iowa

Broadway Corridor Study



BROADWAY
www.broadway.org

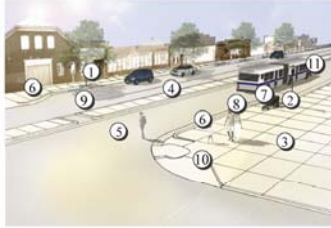
Corridor Overview



BROADWAY
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Project Details

Base Level Improvements

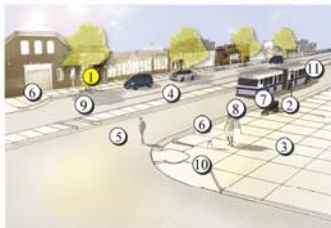


Legend:

- | | |
|--------------------------------------------|-----------------------------|
| ① Replacement Street Trees and Tree Grates | ⑥ Corner Bulb-outs |
| ② Street Furnishings - Bike Racks | ⑦ Curb & Gutter |
| ③ New Concrete Sidewalks | ⑧ Drainage Improvements |
| ④ Raised Paved Median | ⑨ Possible Utility Upgrades |
| ⑤ Roadway Paving | ⑩ ADA Compliant Ramps |
| | ⑪ Street Lighting |

Project Details

Base Level Improvements

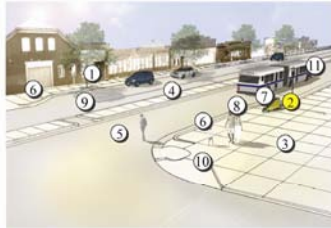


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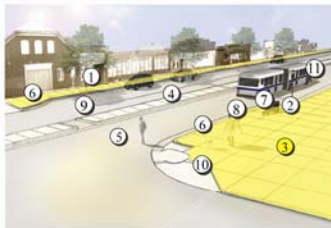


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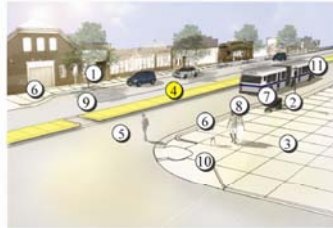


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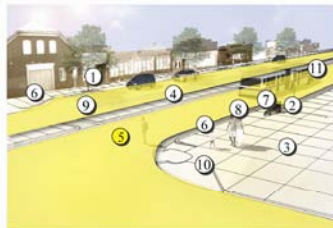


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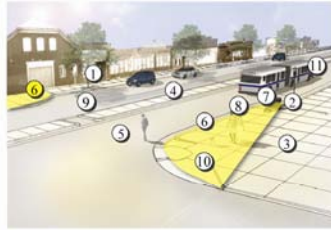


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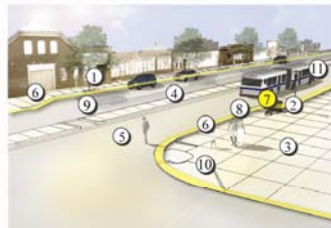


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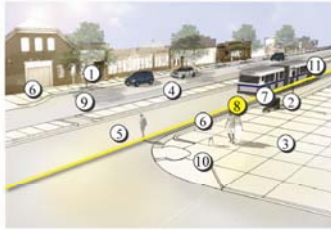


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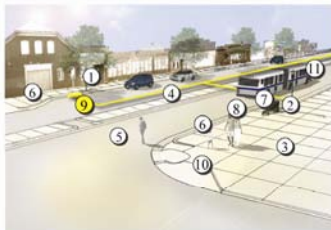


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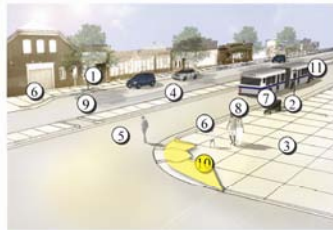


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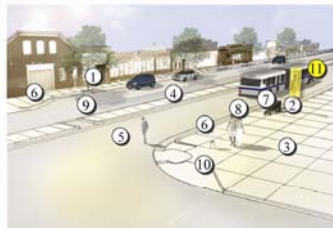


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Project Details

Base Project Elements:

- ☐ Repair Damaged Concrete Sidewalks
- ☐ Remove Trolley Tracks
- ☐ ADA Compliant Ramps
- ☐ Install Storm Sewer System
- ☐ Median Hardscape
- ☐ Sidewalk Improvements
- ☐ Intersection Enhancements
- ☐ New Street Lighting
- ☐ Concrete Pavement
- ☐ Raised Medians
- ☐ Re-Profile Road
- ☐ Curb and Gutter
- ☐ Utility Adjustments
- ☐ Tree Replacement



Possible Special Districts:

- ☐ Trash Receptacles
- ☐ Pedestrian Lighting
- ☐ Trees
- ☐ Planters
- ☐ Irrigation
- ☐ Bike racks
- ☐ Benches
- ☐ Signage
- ☐ Art
- ☐ Fencing
- ☐ Rails



BASE LEVEL IMPROVEMENTS

Legend:

- ① Street Trees and Tree Grates
- ② Street Furnishings (bench, trash receptacles, bike racks)
- ③ New Concrete Sidewalks
- ④ Raised Paved Median
- ⑤ Additional Street Trees & Curbside Planters
- ⑥ Corner Bulb-outs
- ⑦ Raised, Planted Median
- ⑧ Corner Planting Beds
- ⑨ Corner Seatwalls
- ⑩ Corner Accent Paving
- ⑪ Pedestrian Luminaries



SPECIAL DISTRICT ENHANCEMENTS

Legend:

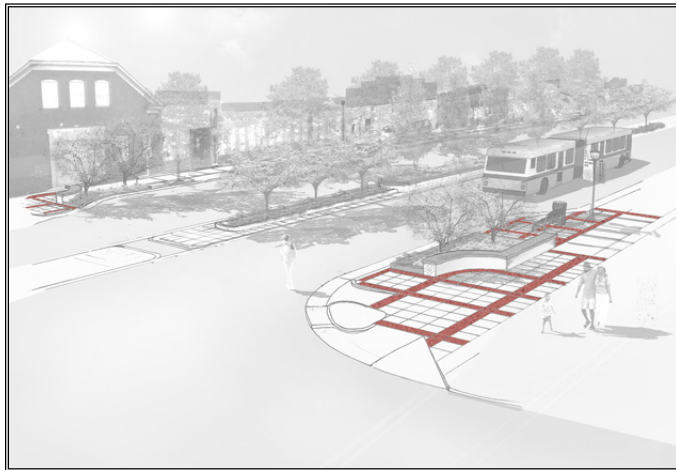
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TECHNICAL SERVICES
LANDSCAPE ARCHITECTURE

SPECIAL DISTRICT ENHANCEMENTS

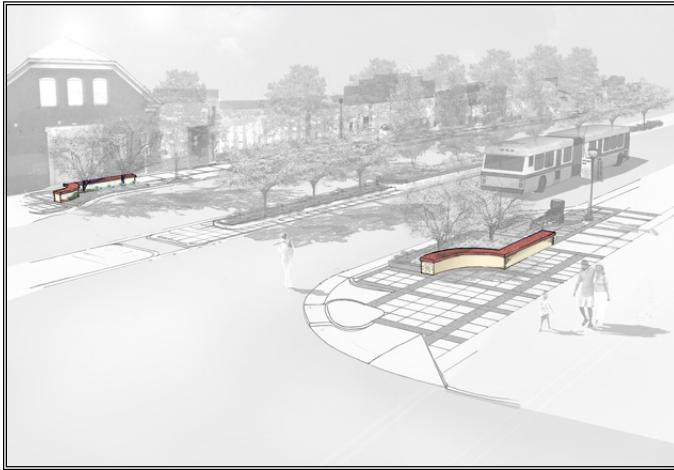


- Corner accent paving

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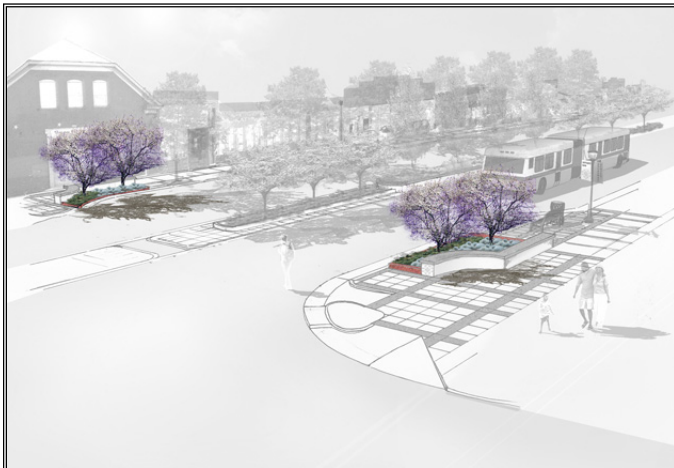
TECHNICAL SERVICES
LANDSCAPE ARCHITECTURE

SPECIAL DISTRICT ENHANCEMENTS



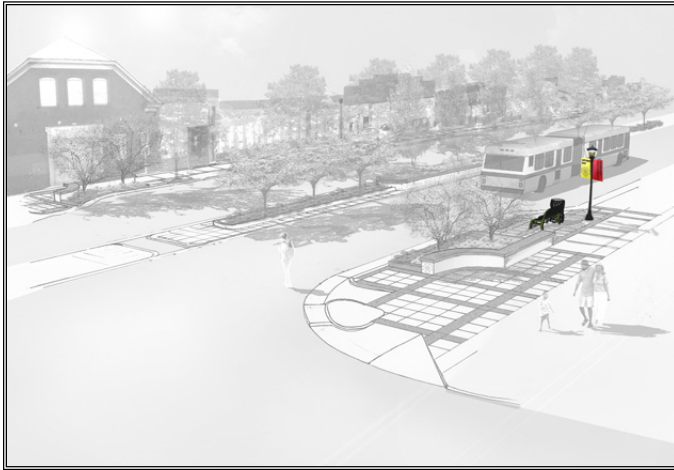
- Corner Seatwalls

SPECIAL DISTRICT ENHANCEMENTS



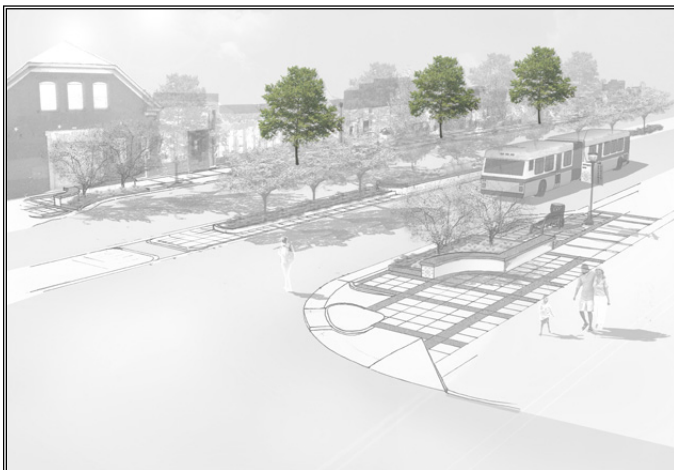
- Corner Planting Beds

SPECIAL DISTRICT ENHANCEMENTS



- Pedestrian Luminaries & Additional Site Furnishings

SPECIAL DISTRICT ENHANCEMENTS



- Additional Street Trees & Curbside Planters

SPECIAL DISTRICT ENHANCEMENTS



- Median Plantings & Decorative Median Wall

SPECIAL DISTRICT ENHANCEMENTS



CORRIDOR CHARACTER



- Main St. Character

BROADWAY
way to live

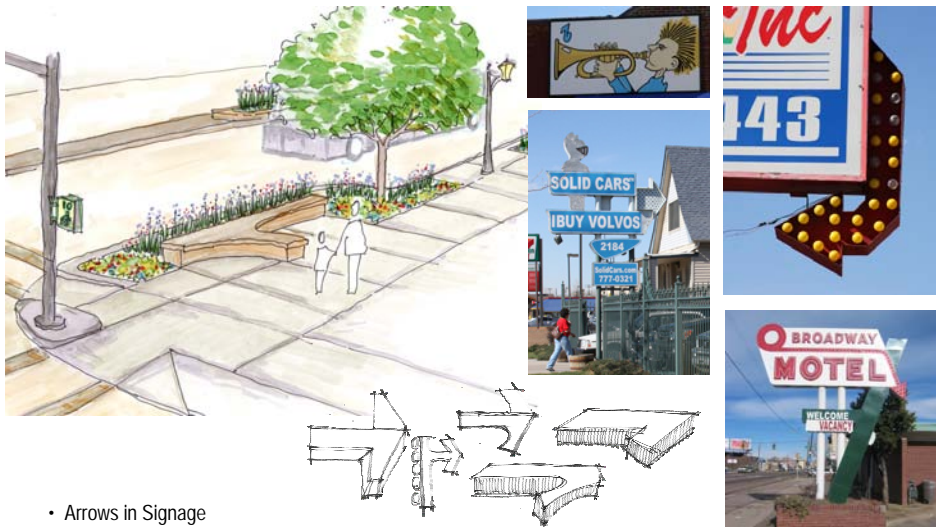
CORRIDOR CHARACTER



- Architectural Details

BROADWAY
way to live

CORRIDOR CHARACTER



- Arrows in Signage

BROADWAY
way to live

Process

☐ Environmental Process

- Environmental Resources

Air Quality

Water Quality

Historical

- Avoid, Minimize, Mitigate

- Public Involvement

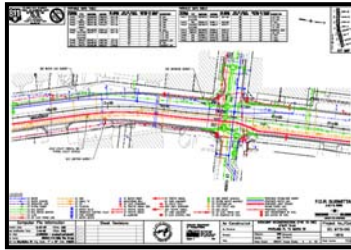
CATEGORICAL EXCLUSION	
1. Project Description	
2. Project Location	
3. Project Justification	
4. Project Impact	
5. Project Mitigation	
6. Project Conclusion	
7. Project Recommendation	
8. Project Approval	
9. Project Implementation	
10. Project Monitoring	
11. Project Evaluation	
12. Project Reporting	
13. Project Archiving	
14. Project Review	
15. Project Closure	

BROADWAY
way to live

Process

☐ Utility Improvements

- Identify Existing
- Identify Improvements
- Clearance



☐ Right-of-Way Process

- Identify Impacts (If any)
- Uniform Act



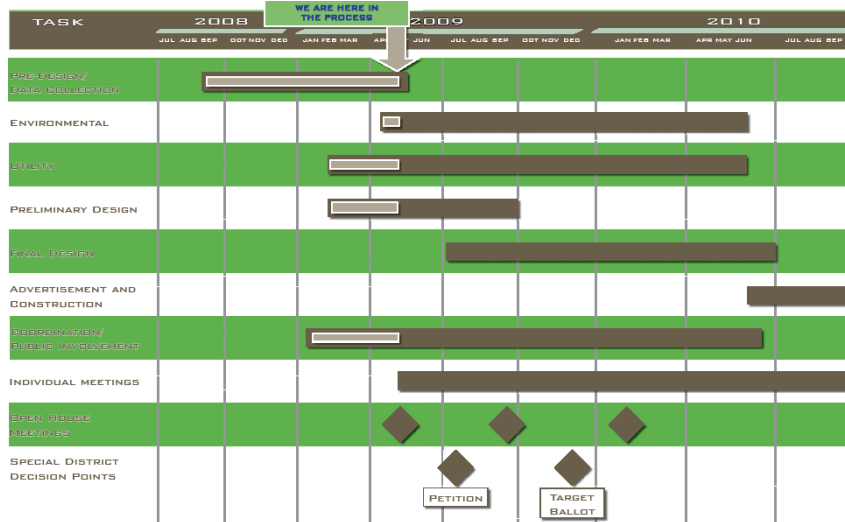
Process

Special District

- ☐ Property Owners Petition for Special District
- ☐ Special District Approval



Overview Schedule



BROADWAY

Status and Next Steps

To Date:

- ☐ Aerial and Topographic Surveys
- ☐ Preliminary Traffic analysis
- ☐ Concept Design (10% Design Level)
- ☐ Preliminary Drainage Analysis
- ☐ Urban Design Investigation
- ☐ Utility Investigation

Next Steps:

- ☐ One-On-One Meetings With Business/Property Owners
- ☐ Traffic analysis
- ☐ Environmental Data Gathering
- ☐ Geotechnical Investigation
- ☐ Preliminary Design
- ☐ Urban Design Concepts
- ☐ Special District Development
- ☐ Utility Coordination/Relocation Design
- ☐ Determine Construction Easements/ROW Plans



BROADWAY

Rap-Up



Questions and Answers

Questions?



WELCOME

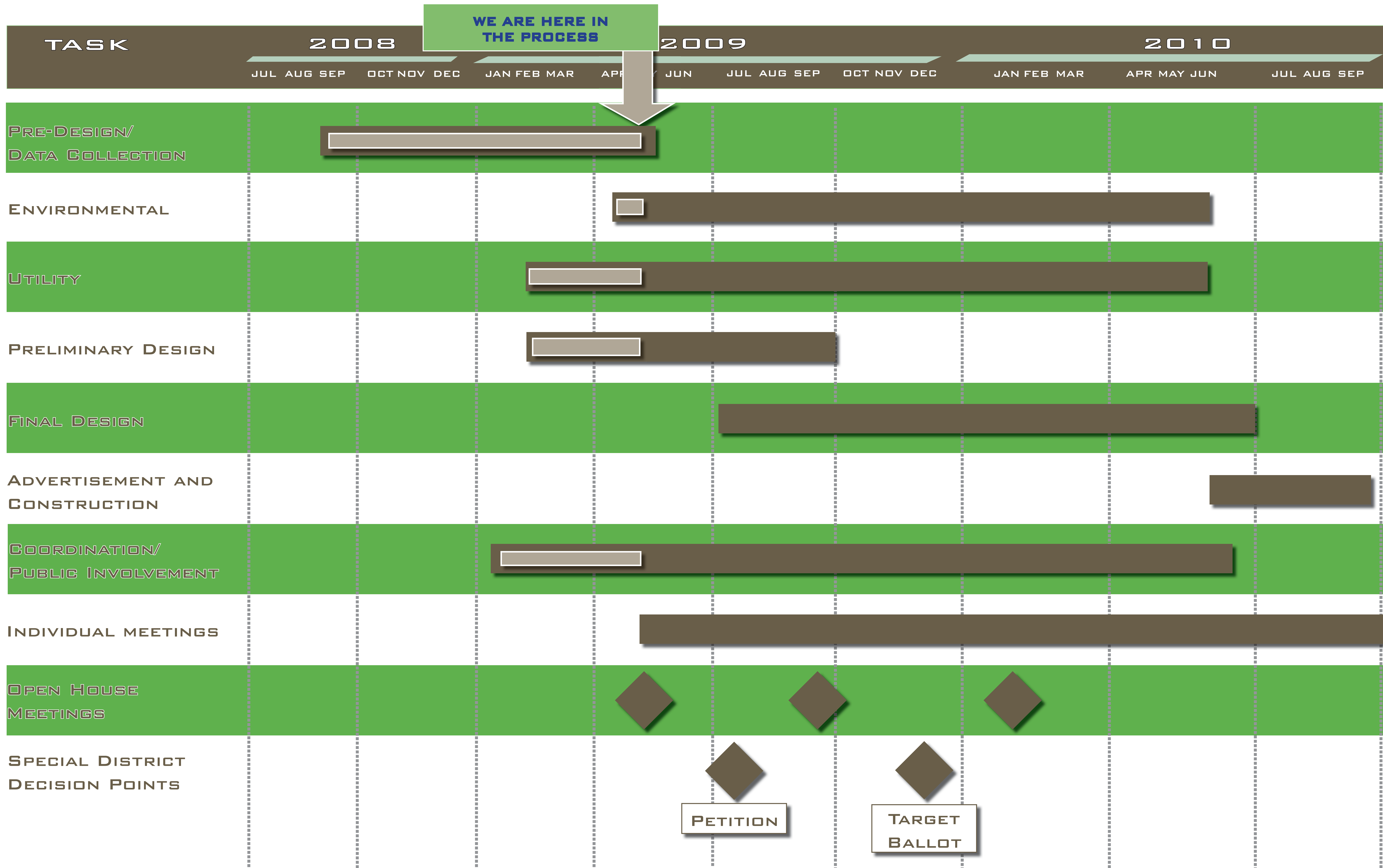
BROADWAY RECONSTRUCTION WESLEY TO IOWA

OPEN HOUSE MEETING # 1

MAY 13, 2009

Prepared: 2009.05.06

SCHEDULE



Prepared: 2009.05.06

STATUS AND NEXT STEPS

ACTIVITIES COMPLETED TO DATE:

- ▲ AERIAL AND TOPOGRAPHIC SURVEYS
- ▲ PRELIMINARY TRAFFIC ANALYSIS
- ▲ DESIGN CONCEPTS
- ▲ PRELIMINARY DRAINAGE ANALYSIS
- ▲ URBAN DESIGN INVESTIGATION
- ▲ UTILITY INVESTIGATION

NEXT STEPS:

- ▲ ONE-ON-ONE MEETINGS WITH BUSINESS/PROPERTY OWNERS
- ▲ TRAFFIC ANALYSIS
- ▲ ENVIRONMENTAL DATA GATHERING
- ▲ GEOTECHNICAL INVESTIGATION
- ▲ PRELIMINARY DESIGN
- ▲ URBAN DESIGN CONCEPTS
- ▲ SPECIAL DISTRICT DEVELOPMENT
- ▲ UTILITY COORDINATION/RELOCATION DESIGN
- ▲ DETERMINE CONSTRUCTION EASEMENTS/ROW PLANS

PROCESS

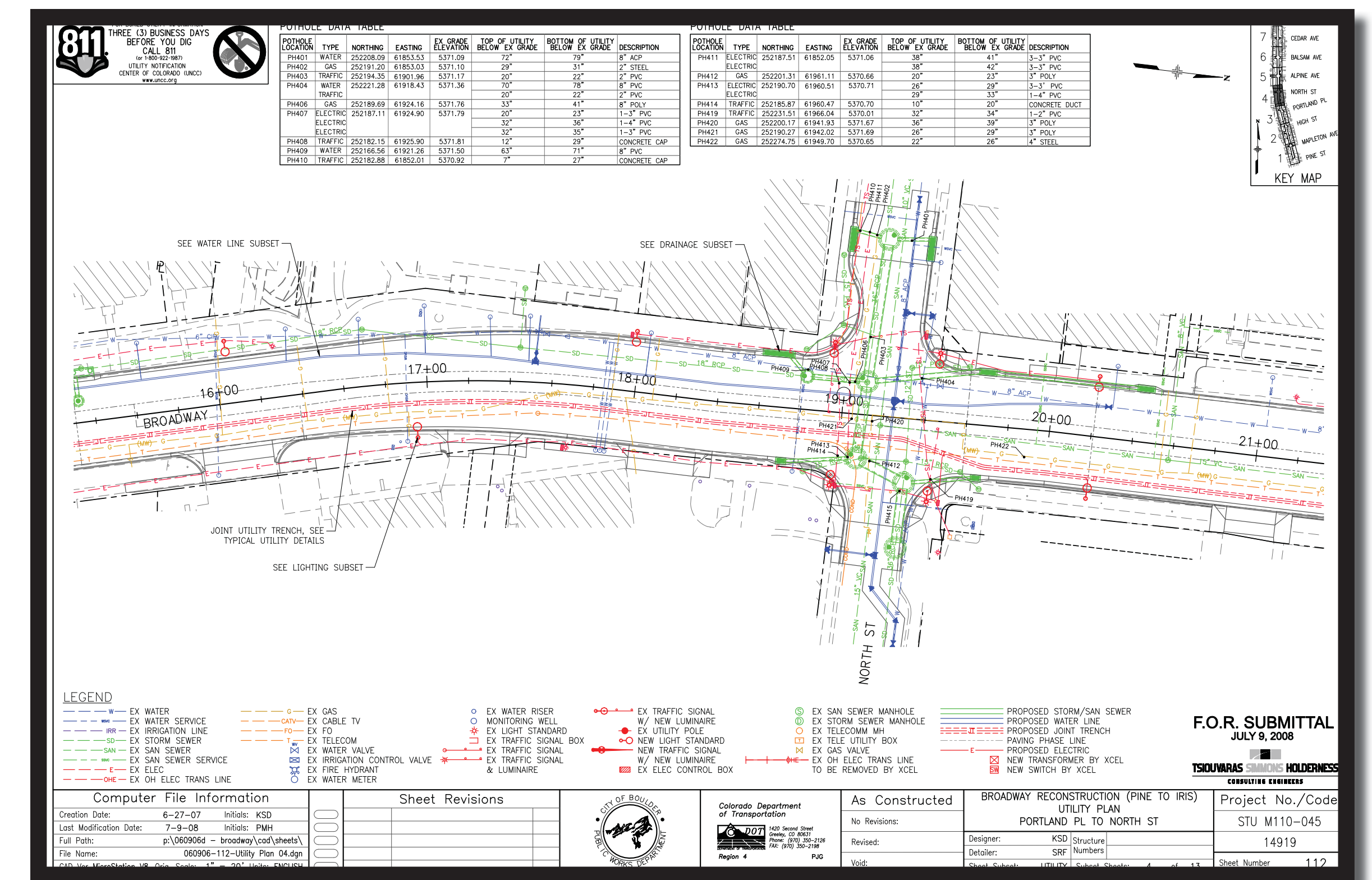
ENVIRONMENTAL PROCESS

- ▲ ENVIRONMENTAL RESOURCES
- ▲ AIR QUALITY
- ▲ WATER QUALITY
- ▲ HISTORICAL
- ▲ AVOID, MINIMIZE, MITIGATE
- ▲ PUBLIC INVOLVEMENT

COLORADO DEPARTMENT OF TRANSPORTATION		Date	Revised Date	Project Code
CATEGORICAL EXCLUSION DETERMINATION		Project #		
Project Name				
Project Description				
A. Categorical Exclusion Project Determination				
1. This project fits the Categorical Exclusion or Programmatic CE number _____				
2. All required Clearance Actions indicated in Part B below have been completed. All Permits and Additional Requirements indicated in Part C below will be obtained before project ad.				
3. No significant environmental impacts will result from this project. The Region Planning and Environmental Manager (RPEM) will ensure implementation of required mitigation commitments.				
4. CDOT Form #463 dated _____ (Revised _____) is attached				
B. Clearance Actions				
REQUIRED	DATE COMPLETED	REQUIRED	DATE COMPLETED	
<input type="checkbox"/> Air Quality (hot spot analysis)		<input type="checkbox"/> Archaeology (effects determination)		
<input type="checkbox"/> Noise		<input type="checkbox"/> Paleontology (effects determination)		
<input type="checkbox"/> Hazardous Waste (ISAM-ESA)		<input type="checkbox"/> History		
<input type="checkbox"/> Farmland Protection		<input type="checkbox"/> Historic Bridge		
<input type="checkbox"/> Threatened or Endangered Species		<input type="checkbox"/> 401, 501		
<input type="checkbox"/> Wetland Determination (survey)		<input type="checkbox"/> Other		
All clearance requirements have been completed for the work indicated in the CDOT Form #463 referenced above.				
RPEM Signature _____ Date _____ Region _____				
I concur in the above category designation and the scope of environmental clearances/permits indicated				
FHWA Division Administrator signature (when required) _____ Date _____				
C. Permits and Additional Requirements				
REQUIRED	DATE COMPLETED	REQUIRED	DATE COMPLETED	
<input type="checkbox"/> 404 Permit		<input type="checkbox"/> 401 Permit		
<input type="checkbox"/> 402 Permits		<input type="checkbox"/> Division of Wildlife SB 40		
<input type="checkbox"/> - Stormwater Permit (NPDES)		<input type="checkbox"/> Wetland Finding		
<input type="checkbox"/> - Municipal Permit		<input type="checkbox"/> Hazardous Waste (PSI/ST)		
<input type="checkbox"/> - Dewatering Permit		<input type="checkbox"/> Other		
D. Comments				
E. Environmental Project Certification				
All clearance and permit requirements for this project have been completed and mitigation included in the set of plans and specifications dated _____. The appropriate documentation is on file in the Region office.				
RPEM Signature _____ Date _____				
Note to Project Manager: Any changes to the plans and specifications after the date of the RPEM signature in Part B that affect environmental impacts or mitigation must be approved by the RPEM.				
Distribution: _____ Previous editions are obsolete and may not be used. CDOT Form #128 8/98				

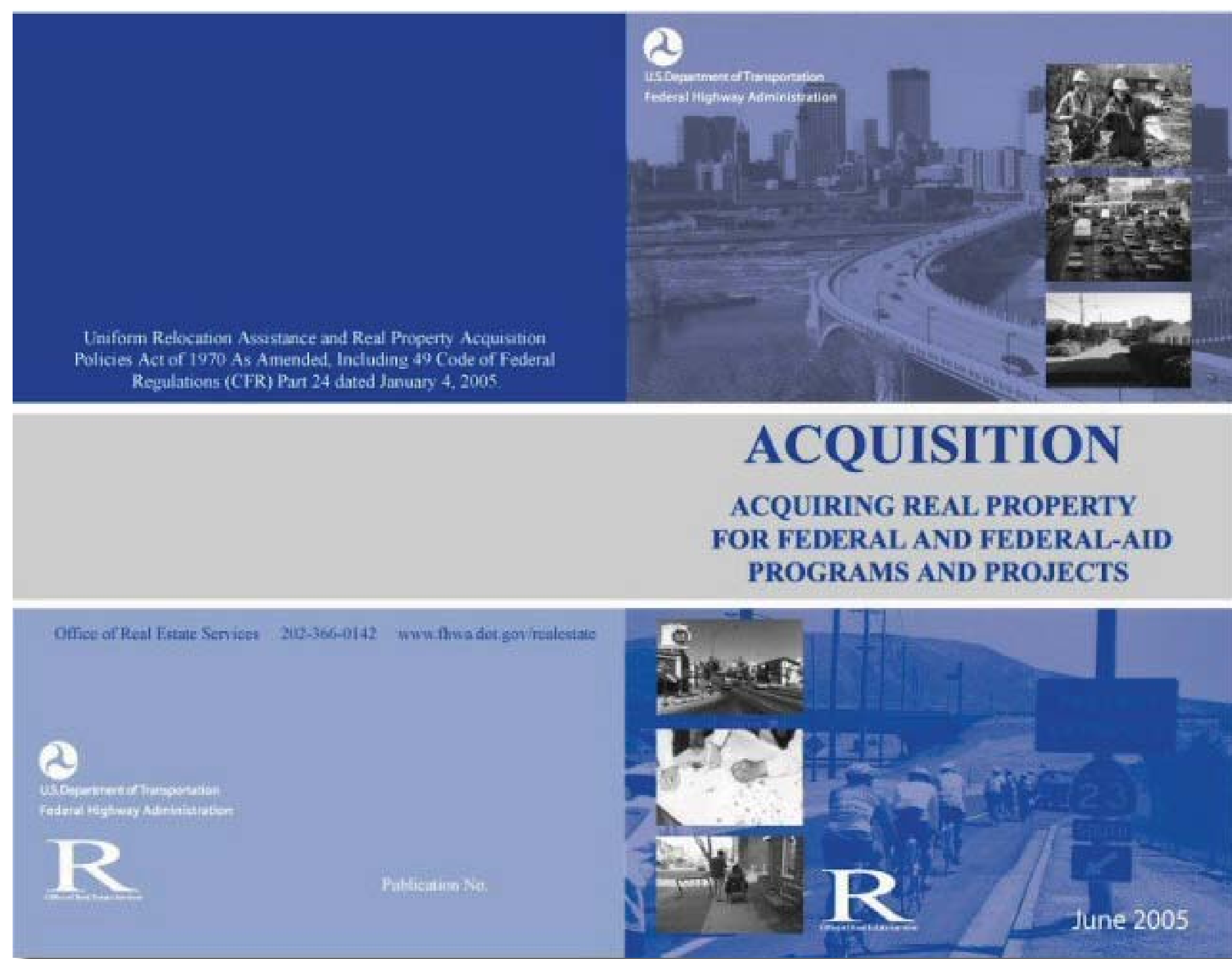
UTILITY IMPROVEMENTS

- ▲ IDENTIFY EXISTING
- ▲ IDENTIFY IMPROVEMENTS
- ▲ CLEARANCE



RIGHT-OF-WAY PROCESS

- ▲ IDENTIFY IMPACTS (IF ANY)
- ▲ UNIFORM ACT



- ▲ SPECIAL DISTRICT
- ▲ PROPERTY OWNERS PETITION FOR SPECIAL DISTRICT
- ▲ SPECIAL DISTRICT APPROVAL



PROJECT DESCRIPTION

BASE PROJECT ELEMENTS:

- ▲ REPAIR DAMAGED CONCRETE SIDEWALKS
- ▲ REMOVE TROLLEY TRACKS
- ▲ ADA COMPLIANT RAMPS
- ▲ INSTALL STORM SEWER SYSTEM
- ▲ MEDIAN HARDSCAPE
- ▲ SIDEWALK IMPROVEMENTS
- ▲ INTERSECTION ENHANCEMENTS
- ▲ NEW STREET LIGHTING
- ▲ CONCRETE PAVEMENT
- ▲ UTILITY ADJUSTMENTS
- ▲ RAISED MEDIANS
- ▲ RE-PROFILE ROAD
- ▲ CURB AND GUTTER
- ▲ TREE REPLACEMENT



POSSIBLE SPECIAL DISTRICTS:

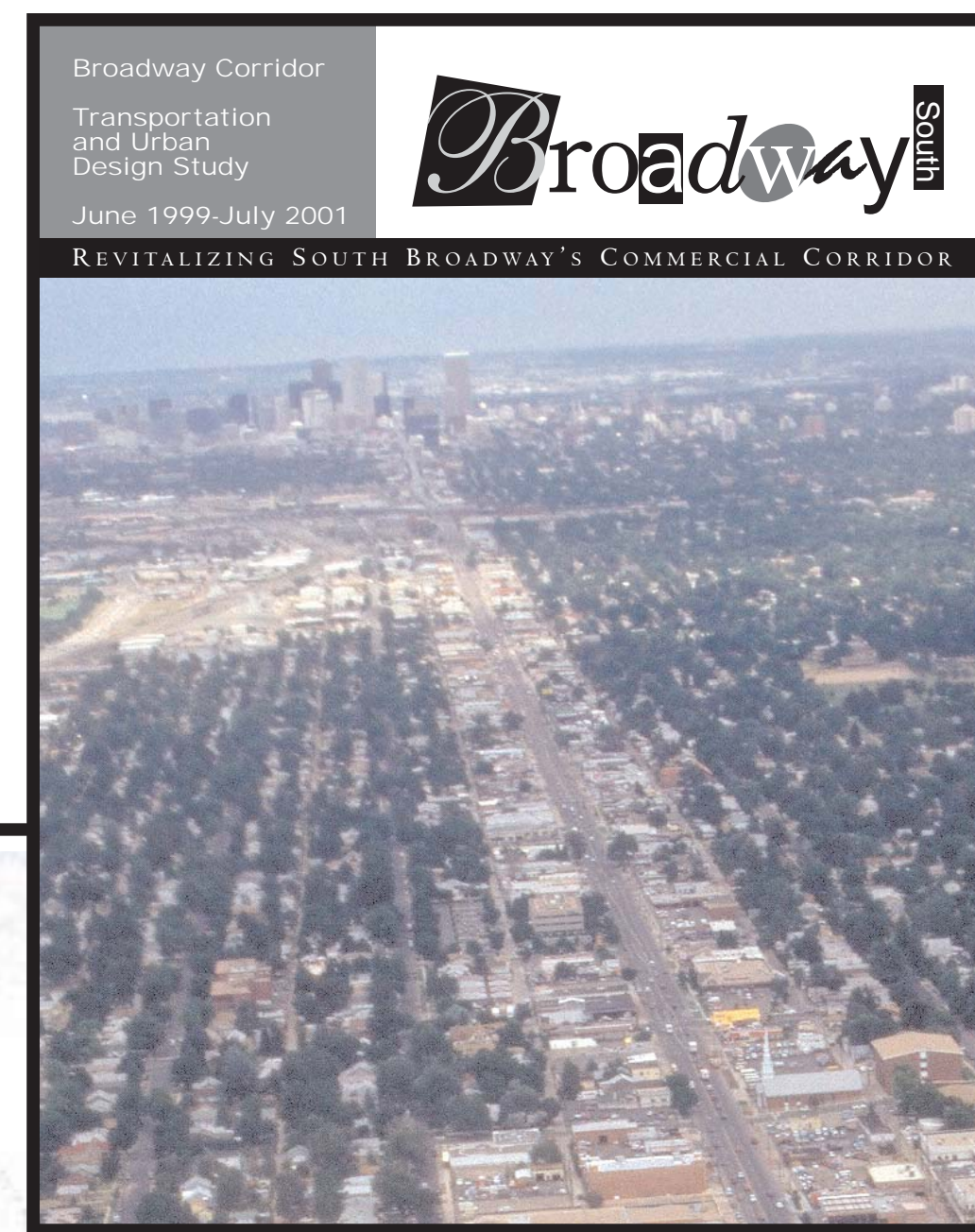
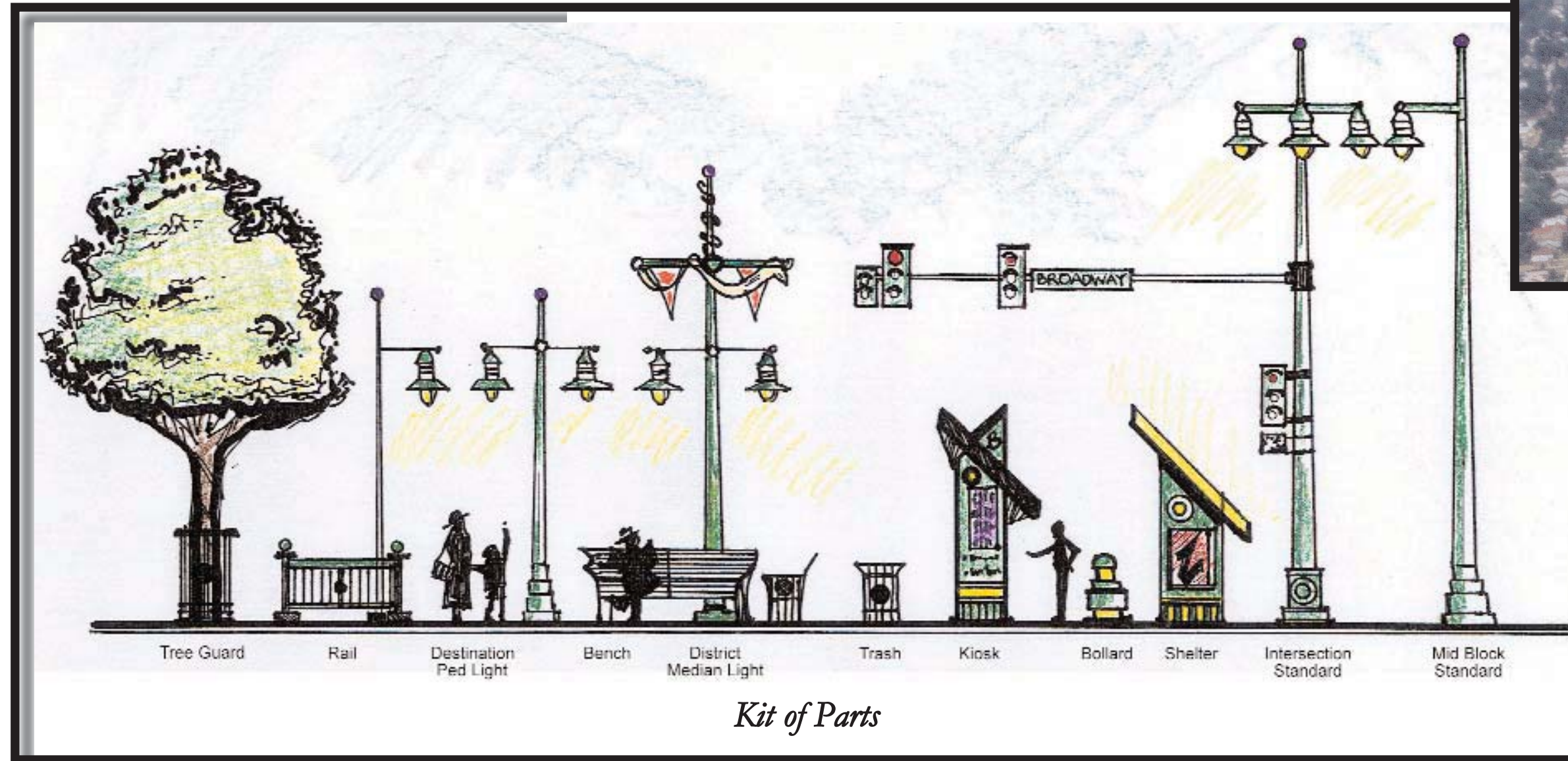
- ▲ TRASH RECEPTACLES
- ▲ PEDESTRIAN LIGHTING
- ▲ TREES
- ▲ PLANTERS
- ▲ IRRIGATION
- ▲ SEAT WALLS
- ▲ BIKE RACKS
- ▲ BENCHES
- ▲ SIGNAGE
- ▲ ART
- ▲ FENCING
- ▲ RAILS



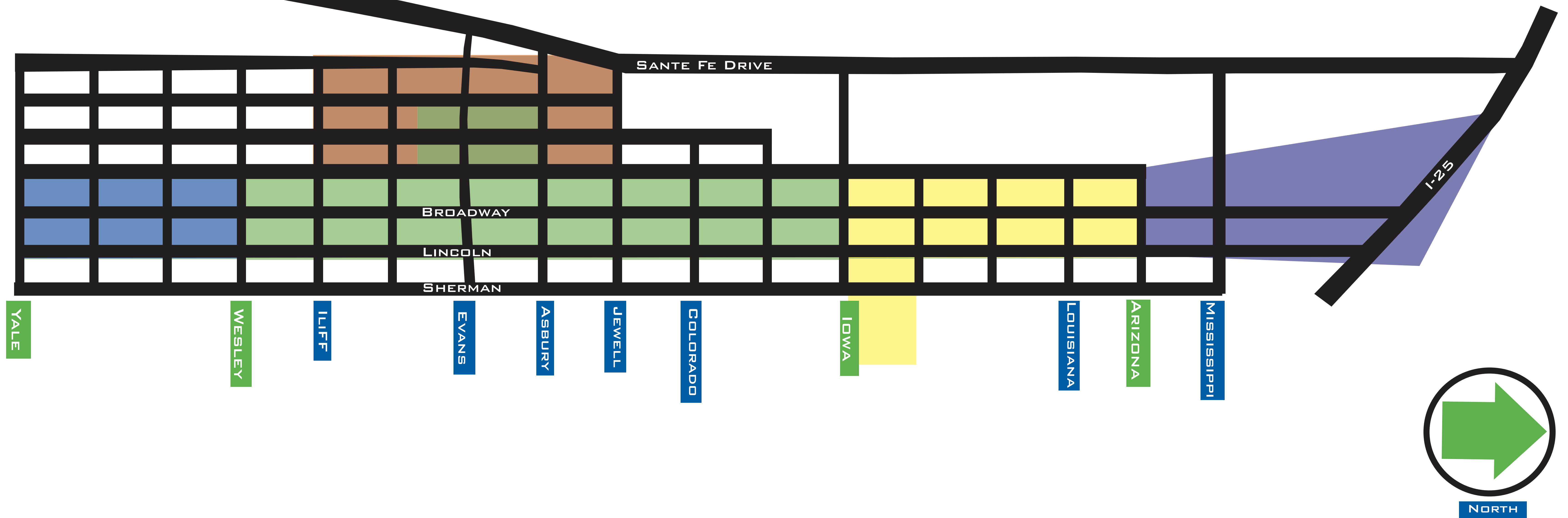
CORRIDOR OVERVIEW

HISTORY

- ▲ 2001 STUDY
- ▲ CONCEPT DEVELOPMENT



- GATES CHEROKEE REDEVELOPMENT AND I-25 INTERCHANGE IMPROVEMENT
STATUS: ONGOING
- BROADWAY ARIZONA TO IOWA - FLORIDA OUTFALL
IOWA OUTFALL
STATUS: CONSTRUCTION JUNE 2009 - SEPT. 2010
- BROADWAY (IOWA TO WESLEY) AND EVANS (BROADWAY TO DELAWARE) AND ASBURY OUTFALL
STATUS: CONSTRUCTION 2010 - 2011
DESIGN ONGOING
- TOD STUDY
STATUS: STUDY NEARLY COMPLETE
CONSTRUCTION (FUTURE)
- BROADWAY WESLEY TO YALE
STATUS: CONSTRUCTION 2009/2010
DESIGN COMPLETE



Meeting Photos



Broadway Reconstruction
Public Meeting No. 1 - May 13, 2009

