

Slavic Village Greenway

Bike / Pedestrian / Transit Connections



LANDSCAPE
ARCHITECTURE

McKnight Associates LTD.

812 Huron Road
Suite 421
Cleveland, Ohio 44115-1126

216 771-1800
216 771-1801 FAX
www.mcknightla.com

Transportation for Livable Communities Initiative
Slavic Village Development / NOACA



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812 Huron Road
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Cleveland, Ohio 44115-1126
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216 771-1801 FAX
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The Neighborhood Context

The Broadway-Slavic Village Community in Southeast Cleveland is a typical industrialized, inner-city neighborhood that grew up around the steel mills and other related factories far before the age of thoughtful transportation planning and land use zoning. The industrial land use in the community is interwoven with residential, commercial, schools, and parks. The Broadway-Slavic Village community also suffered when highways projects completely eliminated sections of the neighborhood and split the community in half. Pedestrian access to greenspace has been interrupted. The area has lost some homes and factories, yet remains quite dense.

As a result of the dissection of Broadway-Slavic Village, the density of the neighborhood is two-fold. Broadway-Slavic Village is completely built out and offers only limited open space. There remains a heavy industrial land use and hazardous truck and car traffic on main streets. However, the same density lends itself to the feeling of neighborhood cohesion and does promote the need to bike, walk, and use public transit as means of transportation. Residents of this area enjoy amenities and services nearby. Broadway-Slavic Village lies on the edge of Cleveland’s industrial valley. The topography of this setting includes tributaries of the river and a visually interesting terrain, which proves appealing to pedestrian and cyclists.

The Project

The purpose of this project is to create an overarching plan for the Broadway-Slavic Village area, integrating the planning initiatives with elements of the existing neighborhood fabric. The Broadway- Slavic Village Bike, Pedestrian and Transit Master Plan includes aspects of the following:

- Enhancements to the recently complete Morgana Run Trail include improved connections to Cleveland Metroparks facilities on either end of the trail; a bike route signage plan including cost estimates for implementation.
- A streetscape plan for Broadway Avenue from East 49th Street to Aetna Road, which incorporates the intersection of East 55th Street and Broadway Avenue utilizing the Third Federal Savings TIF-funded streetscape improvements as a model.
- Design planning for Kingsbury Run Greenway and Trail that identifies routes from the northern portion of the neighborhood to the Cuyahoga River, Canal Basin Park, and downtown Cleveland.
- A Land Use Study for the East 55th Rapid Transit Station that identifies access issues and aesthetic considerations for the site.
- Aspects of the Scenic Byway Plan developed by the Urban Design Center of Kent State University are incorporated into the appendix.

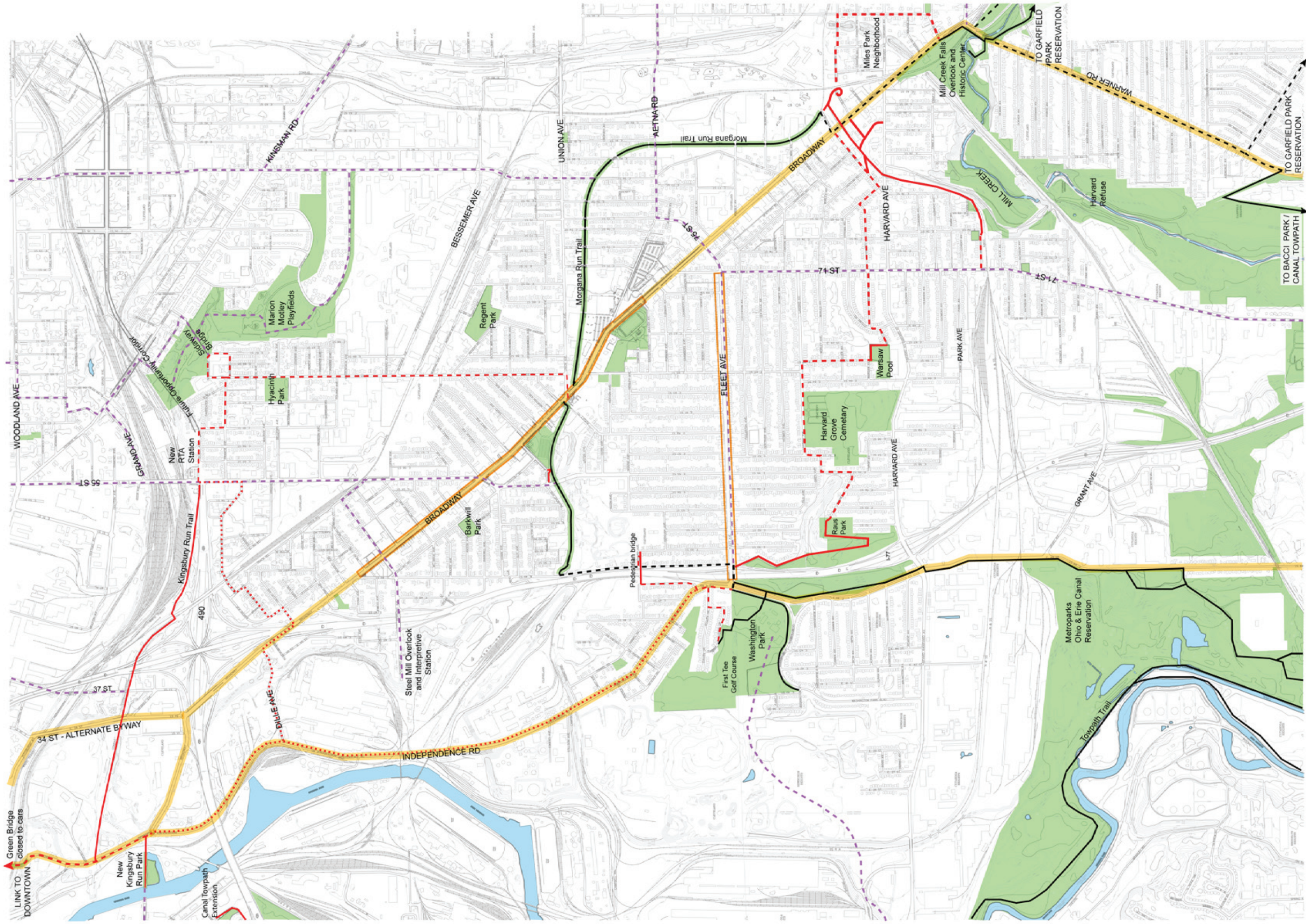
The above projects call for the “re-greening” of portions of the Broadway-Slavic Village Community and create a means for residents to access open space and a path network away from hazardous traffic conditions. Not only will these efforts make this a more attractive place to live, it will enhance the physical experience of residents and visitors.

TLCI Steering Committee

- Mr. Rick Bias - Block club member
- Ms. Cherie Skoczen - Third Federal Savings
- Mr. Peter Baszuk - Globe Sewing Machine
- Mr. Marty Cader - City Bike Planner
- Ms. Chris Smetana - SVD Board
- Sr. Ann Solma - SVD Board
- Mr. John Cardwell - Cleveland Metroparks
- Mr. Vince Reddy - Cleveland Public Art
- Councilman Anthony Brancatelli - Ward 12
- Councilwoman Phyllis Cleveland - Ward 5
- Ms. Marie Kittredge - SVD Executive Director
- Ms. Caroline Schaeferl - Block club member
- Mr. Trevor Hunt - City Planning Commission
- Mr. Scott Frantz - City Planning Commission
- Mr. John Mottl - ODOT
- Ms. Ed Taylor - RTA
- Ms. Bobbi Reichtell - NPI

TABLE OF CONTENTS

Overall Greenway Map	3
Greenway Goals	4-5
Morgana Run Neighborhood Connections	6-19
Broadway Streetscape	20-27
East 55th Street Rapid Station	28-29
Kingsbury Run Trail	30-38
Cost Estimates	39-42
Appendices	43-47
Broadway Ave. / Miles Rd. Bridge Improvements	
Scenic Byway Master Plan	



Bike/ Pedestrian/ Transit Greenway Connections
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Cleveland, Ohio
 December, 2007

- Park/ Green space
- Existing Trail/ Bikeway
- Existing On-street Bike Route
- Proposed Trail
- Proposed On-street Bike Route
- Alternate Trail Routes
- City Proposed Bikeway
- National Scenic Byway
- Streetscape Improvements





Existing connections



Proposed connections

- On-Street Bike Routes
- Off-Street Trails
- Ohio Canal Corridor

Greenway Goals
Bike/ Pedestrian/ Transit/ Greenway Connections
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Connection

- Enhance connections to the rest of Cleveland
- Provide safe bicycle and pedestrian routes between neighborhoods, schools and other desirable destinations
- Highlight proximity to nature and urban oasis
- Link to other trail networks throughout the region
- Create park to park network

Opportunity

- Take advantage of opportunities for alternative transportation
 - Rails to trails
 - RTA station improvements
- Pedestrian friendly streetscape enhancement
- See the big picture and create a comprehensive guide for future improvements
- Identify key areas for investment, Plan for future expansion such as new developments and opportunity corridor

Enrichment

- Attract and retain residents through quality of life improvements
- Promote “active living” and healthy lifestyles
- Focus on quality pedestrian experience on and off road
- Encourage traffic reduction through alternative transportation networks
- Highlight urban neighborhood feel
- Improve scenic byway experience for visitors



Greenway Goals

Bike/ Pedestrian/ Transit/ Greenway Connections

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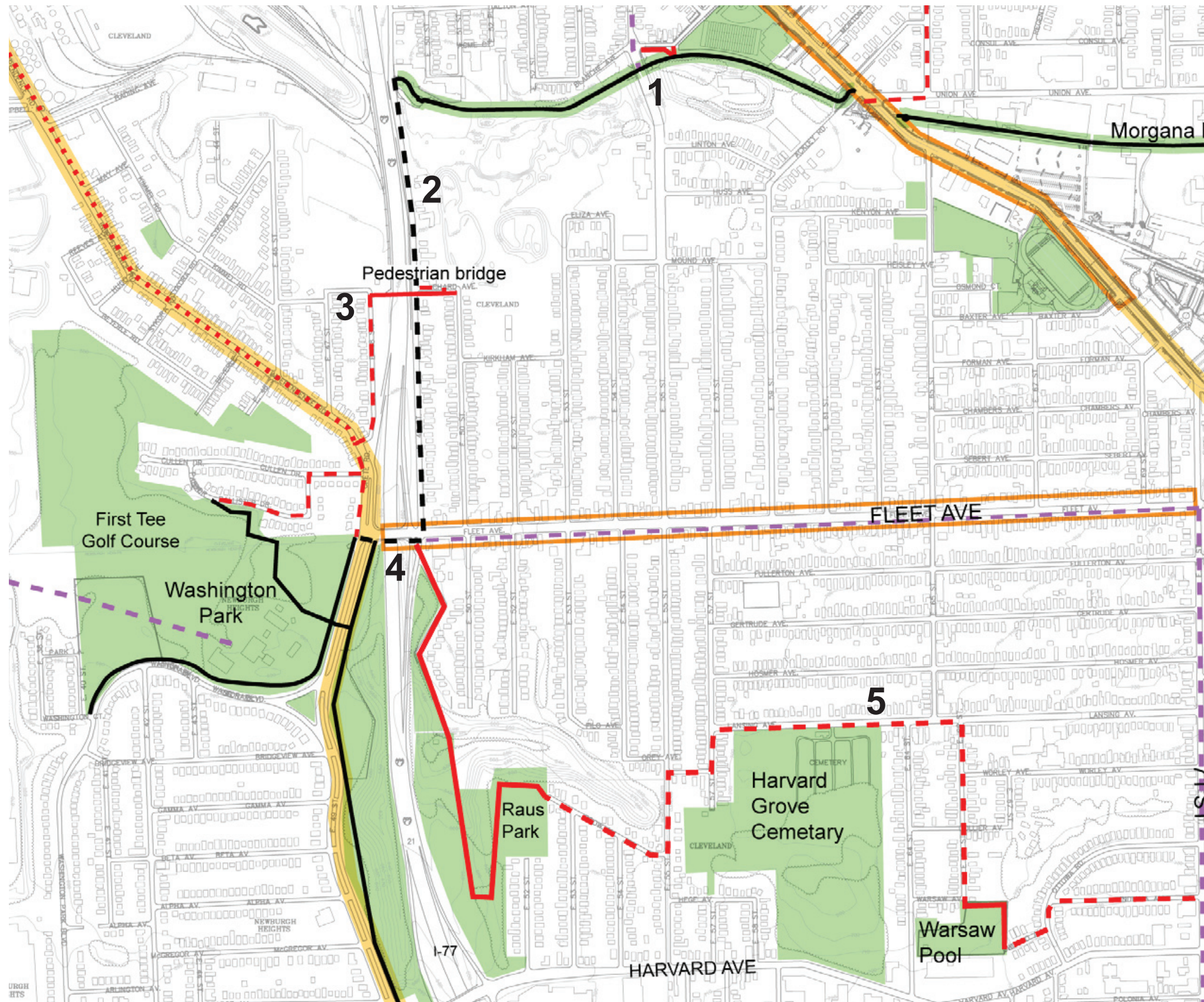
LANDSCAPE ARCHITECTURE

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Morgana Run Neighborhood Connections



MORGANA RUN NEIGHBORHOOD CONNECTIONS - WEST END

Morgana Run serves as a green spine that connects the neighborhoods with workplaces, schools, shopping, recreation and beyond to Cleveland Metroparks. In concert with Morgana Run, a network of trails and posted bike routes along the southern portion of central Slavic Village will link parks and neighborhoods to create a bike loop.

At the west end of Morgana Run roadway enhancements will help cyclists find their way to Fleet Avenue, where they will find a dedicated pedestrian lane and connections to Washington Park or to a scenic park-to-park route leading to Broadway and the east end of Morgana Run.

MAP LOCATIONS

1. New spur from Morgana to Blanch Avenue and E. 55th underpass improvement.
2. Roadway enhancements along E. 49th.
3. Alternate route over renovated pedestrian bridge.
4. Fleet Avenue bridge connector.
5. Signed bike route through parks and scenic neighborhoods.

KEY

- Park/ Green space
- Existing Trail/ Bikeway
- Existing On-street Bike Route
- Proposed Trail
- Proposed On-street Bike Route
- Alternate Trail Routes
- City Proposed Bikeway
- National Scenic Byway
- Streetscape Improvements

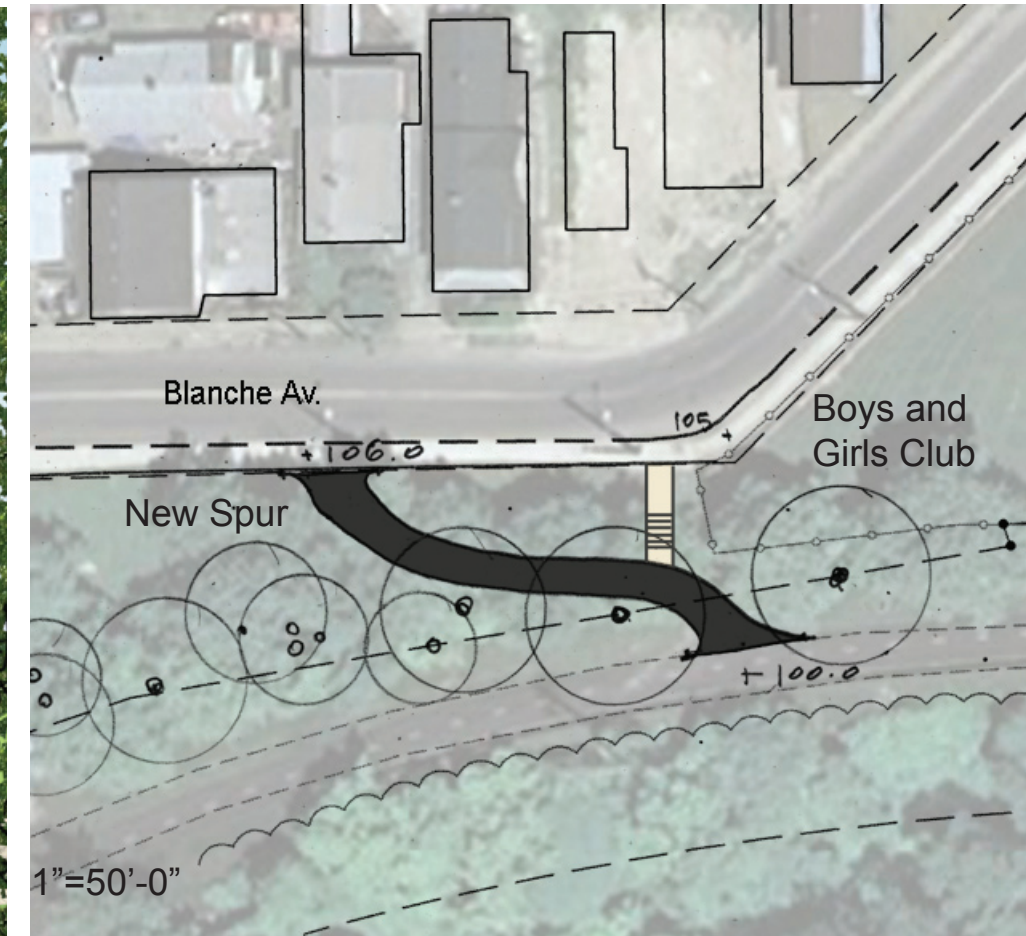


Morgana Run - West End

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New spur location

Blanche Avenue @ East 55th

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Large boulders and stones

Seat wall

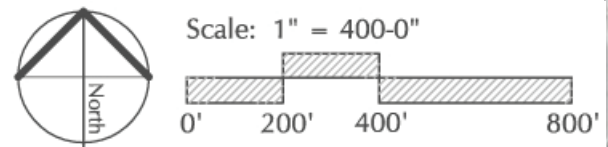
Underpass as Trail Shelter



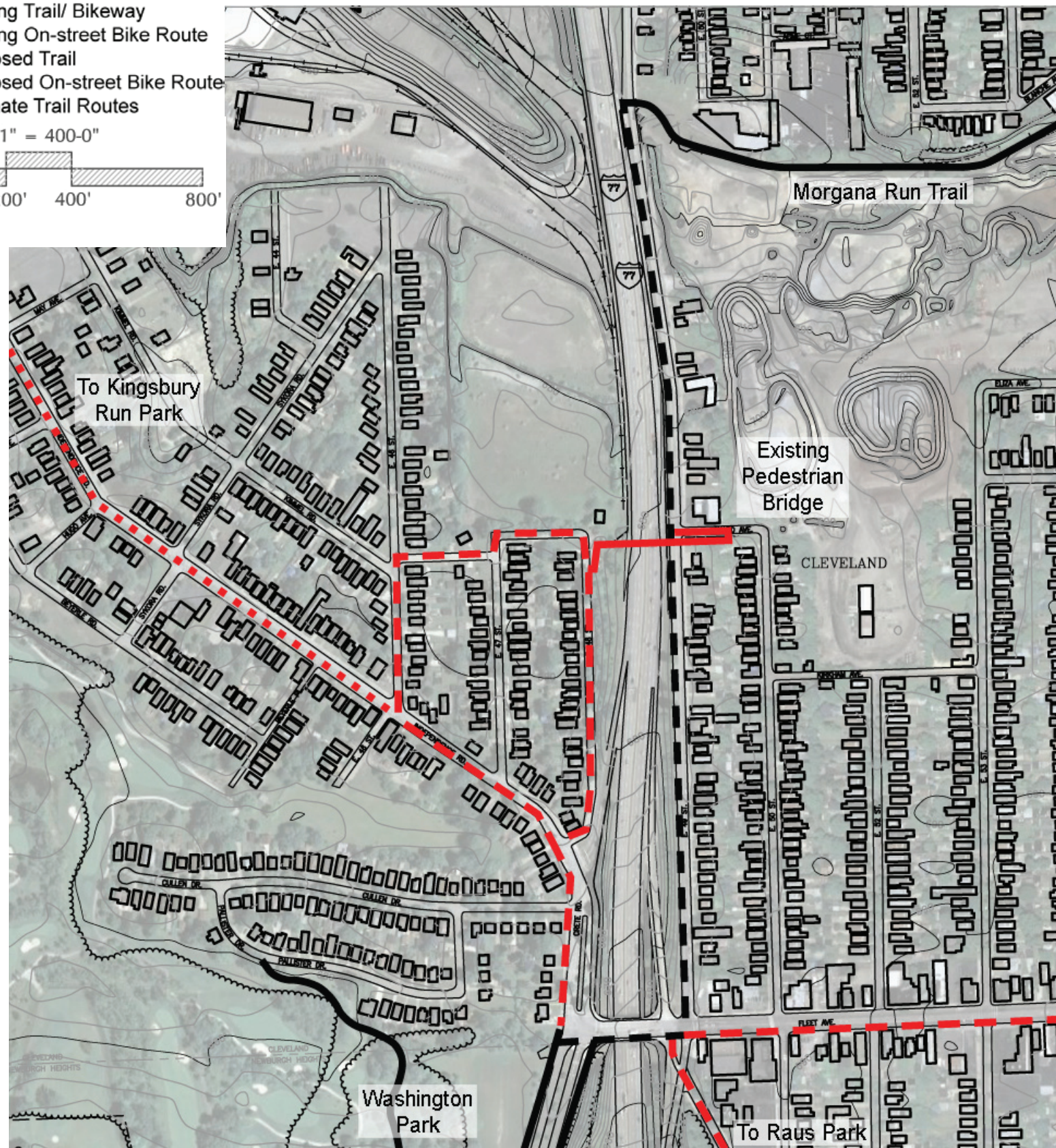
Existing underpass



- Existing Trail/ Bikeway
- - - Existing On-street Bike Route
- Proposed Trail
- - - Proposed On-street Bike Route
- ⋯ Alternate Trail Routes



December, 2007



Children on pedestrian bridge



East 49th Street looking towards Fleet Avenue

West Link - East 49th Street

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East 49th Street with new lane striping, trees, decorative highway fence and refurbished bridge



Existing bridge



Pedestrian bridge with new railing

West Link - East 49th Street

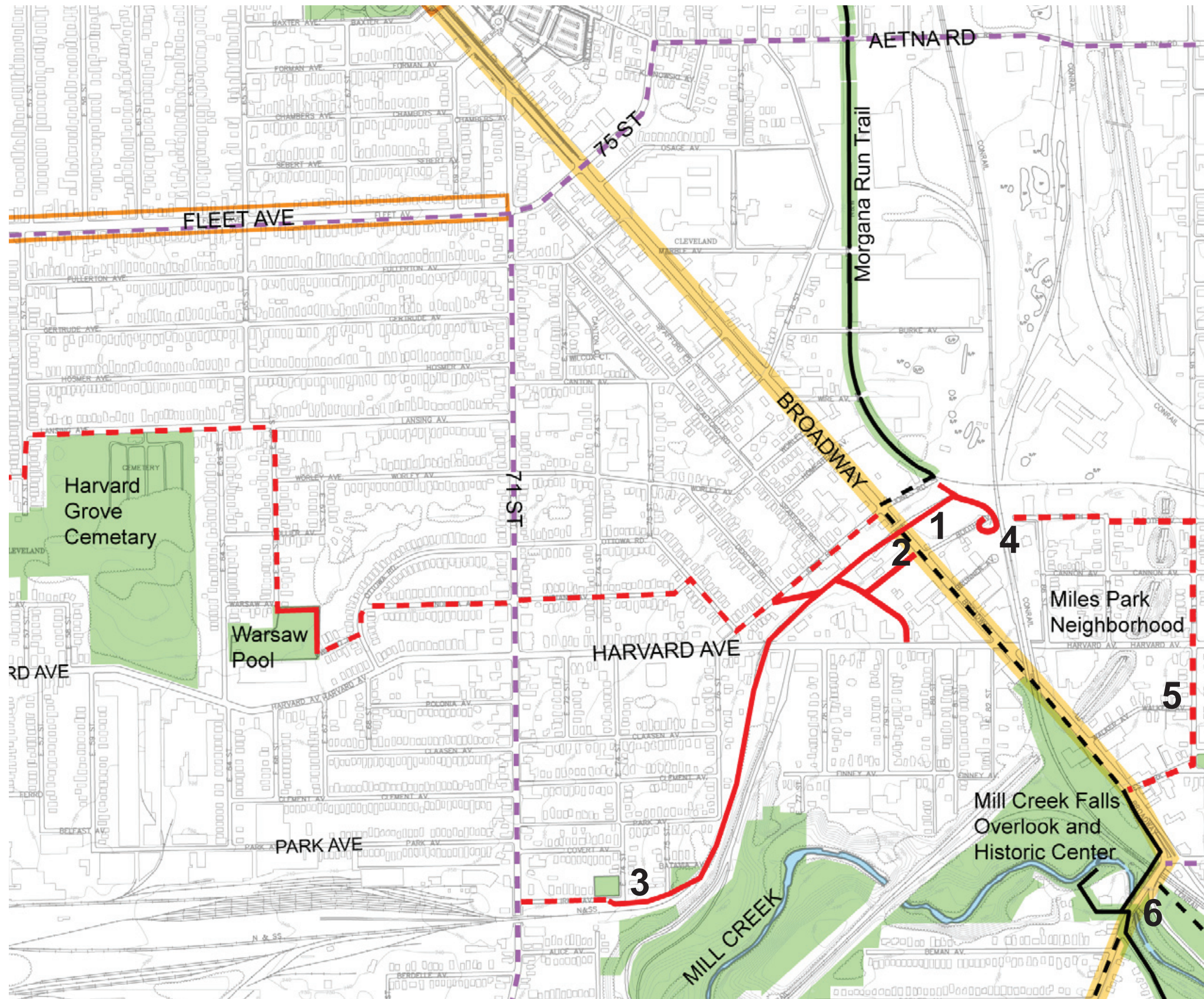
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MORGANA RUN NEIGHBORHOOD CONNECTIONS - EAST END

At the east end of Morgana Run is the opportunity to continue along a vacated Newburgh and South Shore rail line which provides bridges over Broadway and Harvard Avenue, and an off street route all the way to E. 71st. The old Booth underpass is a rare opportunity to cross the tracks to connect to the Miles Park neighborhood to the east and provide a more scenic connection to Mill Creek Falls and the Metroparks to the south.

MAP LOCATIONS

1. New spur from Jones Road along vacated Newburgh and South Shore rail.
2. Convert rail bridge to pedestrian bridge over Broadway.
3. Continue off-road trail to E.71st.
4. Improve Booth underpass for pedestrians.
5. Signed bike route through Miles Park connects to schools and provides alternate to Broadway route to Mill Creek.
6. Pedestrian Bridge and Intersection Improvement, for plan see Appendix.

KEY

- Park/ Green space
- Existing Trail/ Bikeway
- Existing On-street Bike Route
- Proposed Trail
- Proposed On-street Bike Route
- Alternate Trail Routes
- City Proposed Bikeway
- National Scenic Byway
- Streetscape Improvements

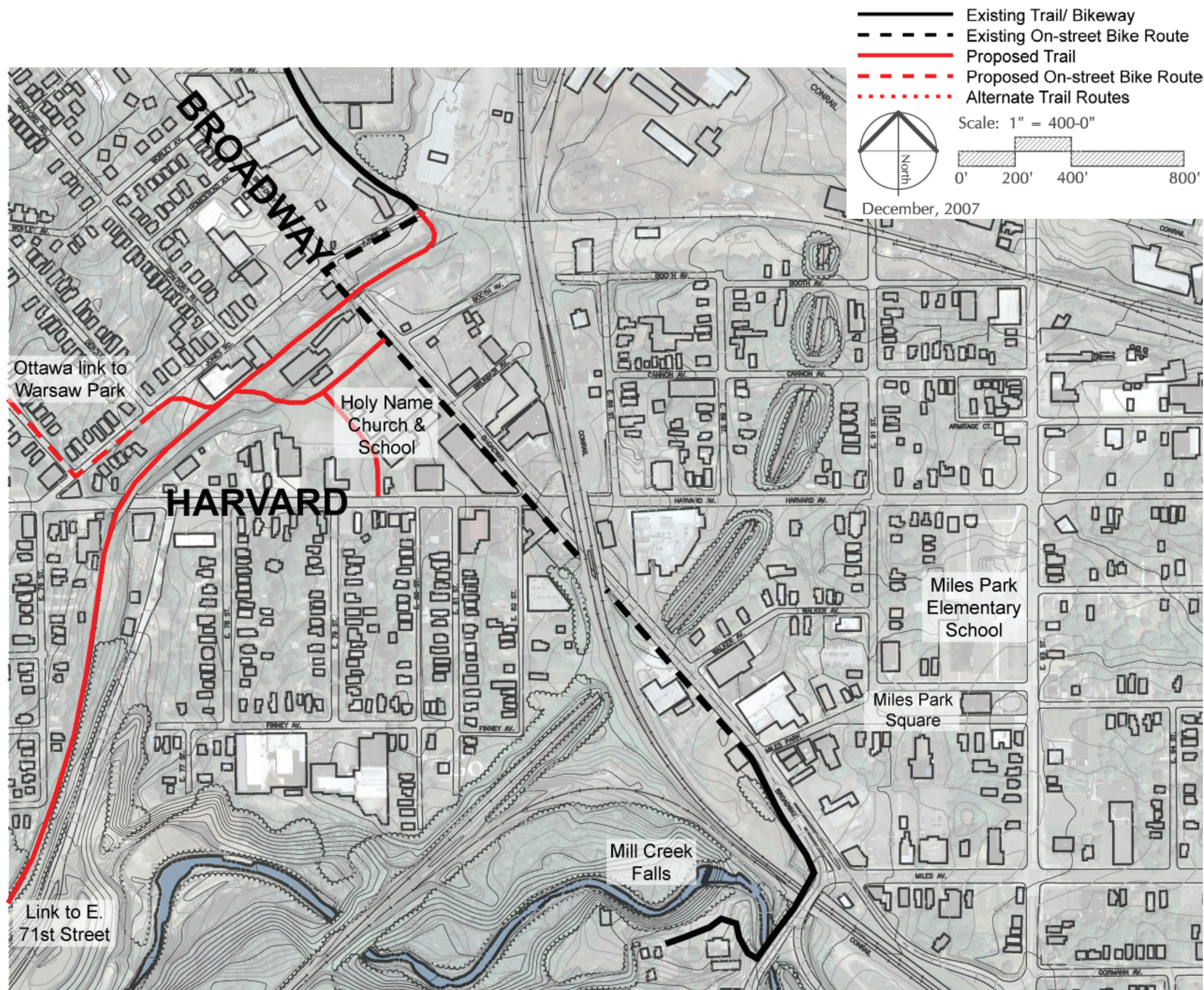


Morgana Run - East End

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East Link Alternate #1 - Broadway & Harvard Connection

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Proposed Rail Bridge



Existing Conditions on Rail Bridge

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Proposed trail junction behind Holy Name Church



Existing Conditions Behind Holy Name Church

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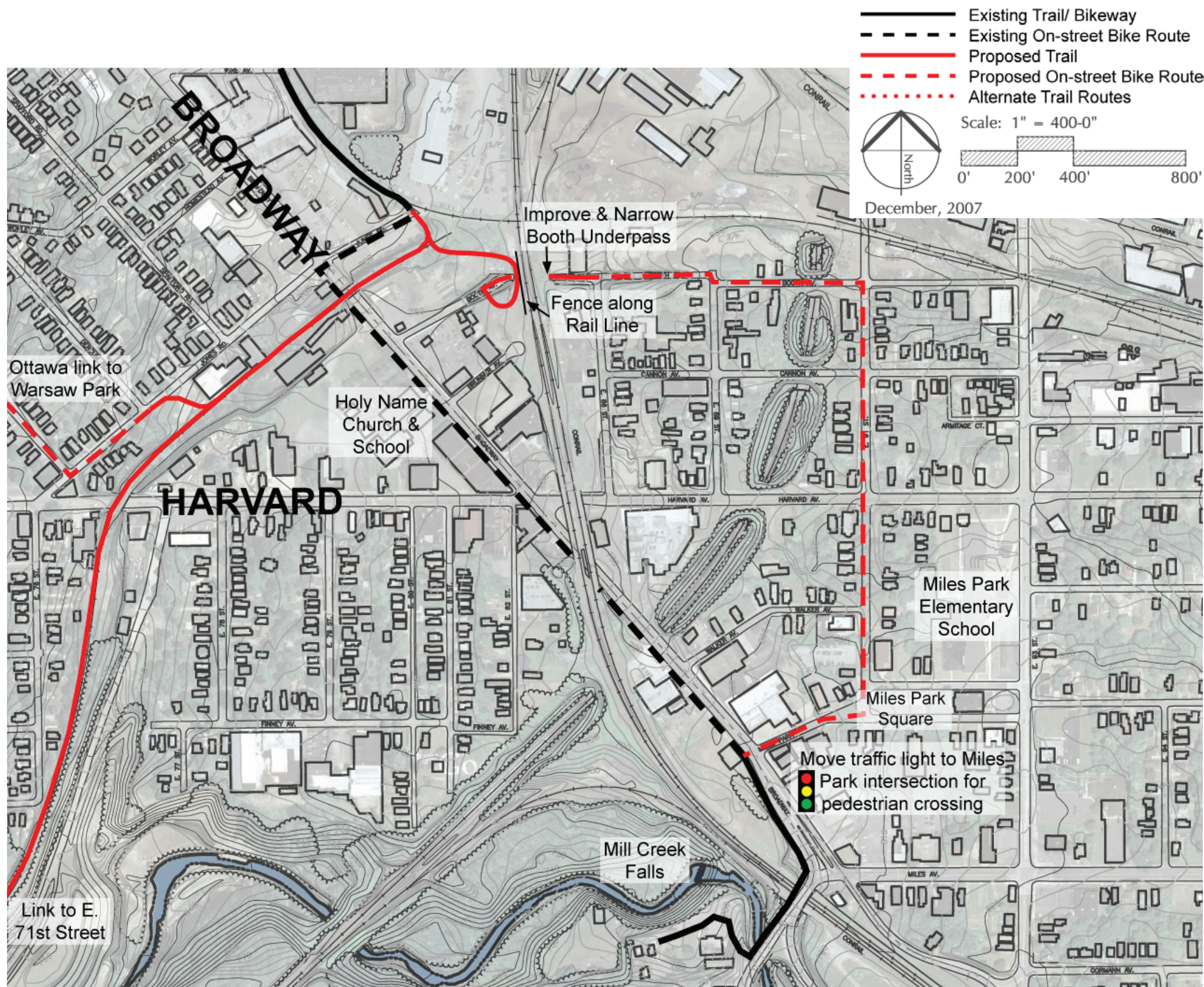


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East Link Alternate #2 - Miles Park Loop
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Proposed Booth Underpass



Trail East of Broadway

East Link Alternate #2 - Miles Park Loop

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Trail Name along top



Mill Creek Falls becomes icon for Greenway throughout Slavic Village



Existing sign



Example of sign for Kingsbury Run

Example of sign for Morgana Run



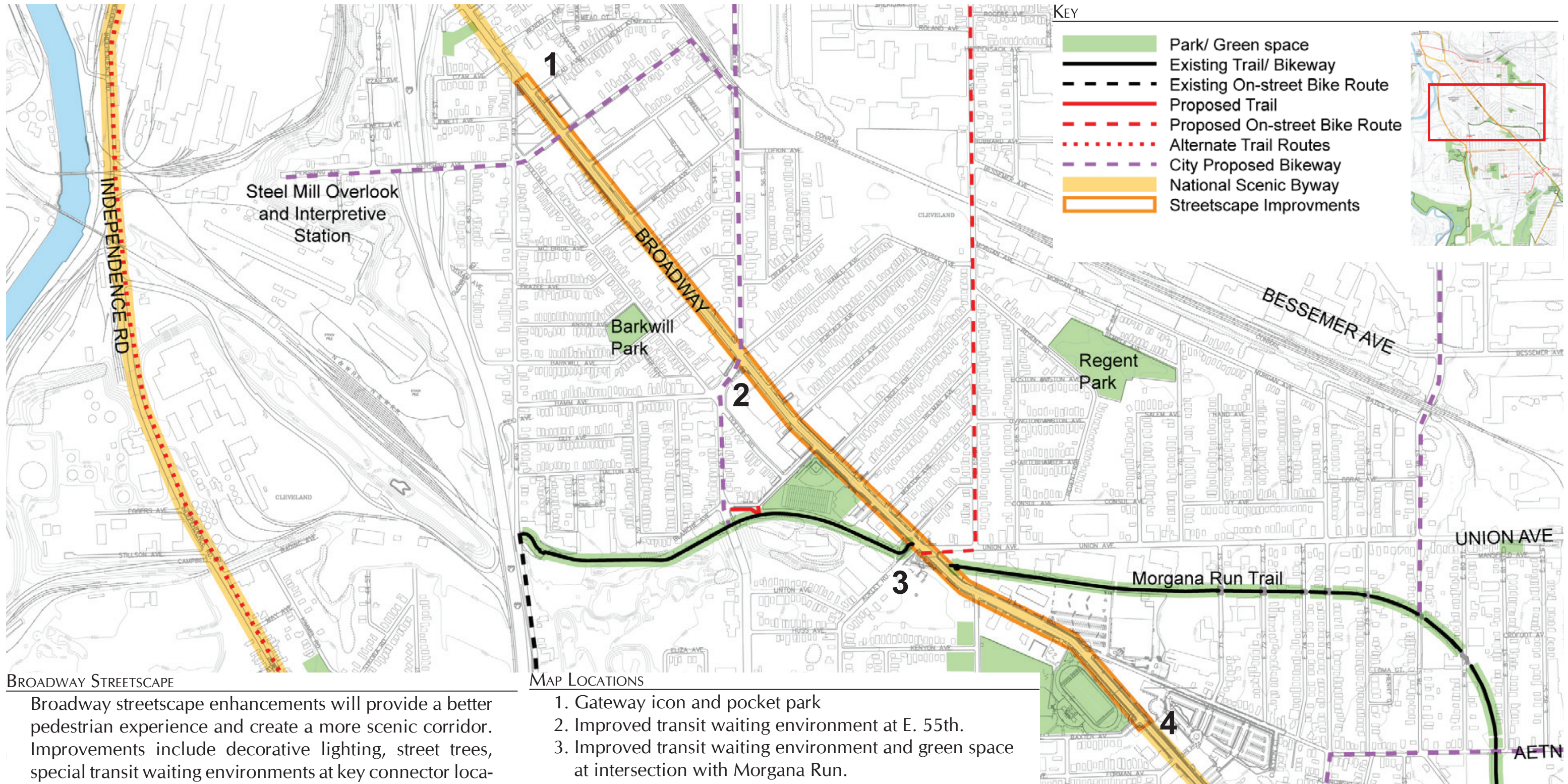
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Greenway Signage
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Washington Park to Mill Creek Falls Park-to-Park Route
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Broadway Streetscape



BROADWAY STREETSCAPE

Broadway streetscape enhancements will provide a better pedestrian experience and create a more scenic corridor. Improvements include decorative lighting, street trees, special transit waiting environments at key connector locations, and wider sidewalks in areas where the drive lanes are oversized. These enhancements benefit both residents and the merchants who own shops along Broadway.

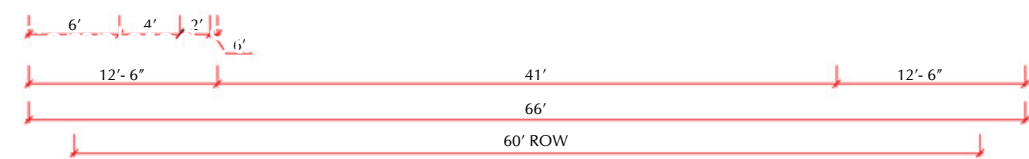
MAP LOCATIONS

1. Gateway icon and pocket park
2. Improved transit waiting environment at E. 55th.
3. Improved transit waiting environment and green space at intersection with Morgana Run.
4. Improved transit waiting environment at Baxter. New streetscape already implemented along Third Federal.

Central - Broadway Streetscape

Broadway Streetscape

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Completed Streetscape Treatment #1



Completed Streetscape Treatment #1







Overall Streetscape Concept

Broadway Streetscape

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Key

-  Brick pavers
-  New decorative street light
-  New sterner street light
-  Existing Cobra-head street light
-  Shade tree
-  Lawn

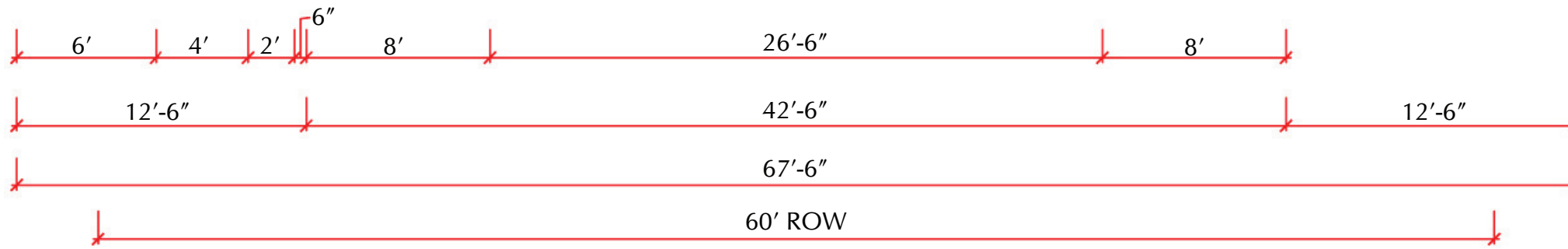
Broadway @ E. 49th

Broadway Streetscape

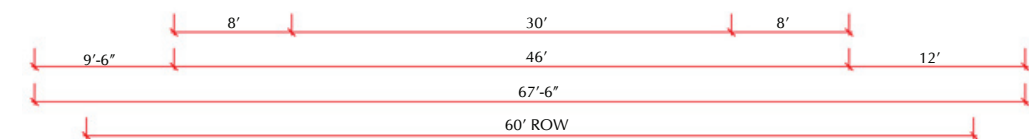
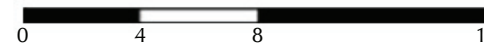
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Proposed Streetscape Treatment #1



Existing Conditions



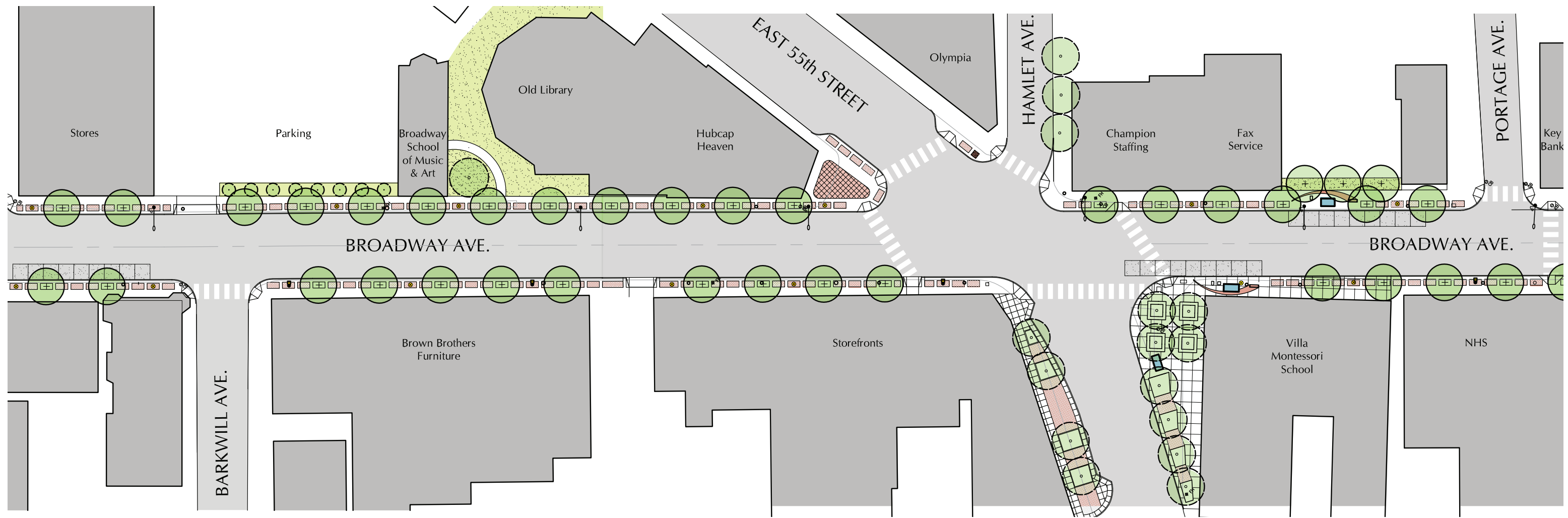
Broadway @ E. 55th







Broadway Streetscape

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- Key**
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 -  New decorative street light
 -  New sterner street light
 -  Existing Cobra-head street light
 -  Shade tree
 -  Lawn

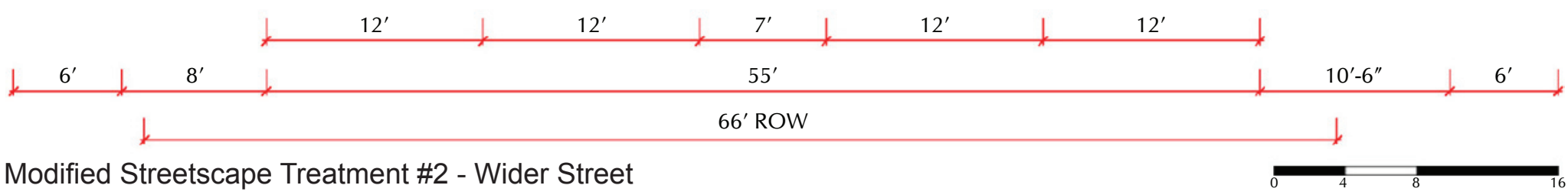
Broadway @ E. 55th

Broadway Streetscape

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Modified Streetscape Treatment #2 - Wider Street

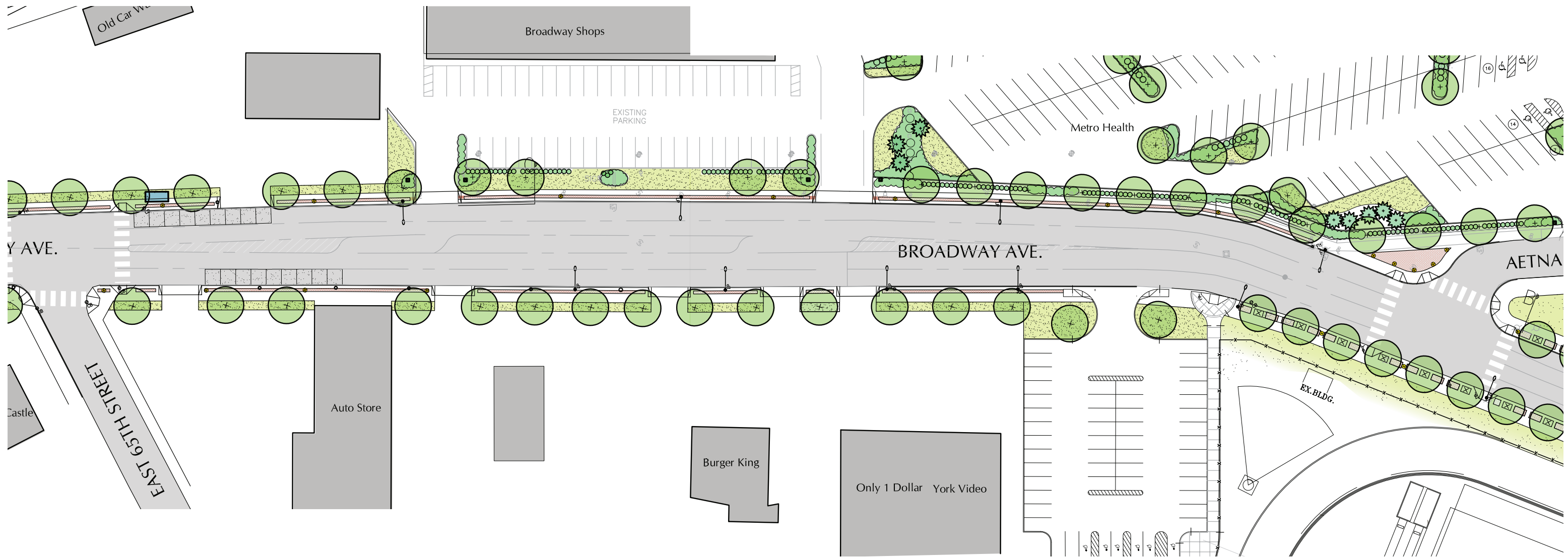


Existing Conditions







Broadway @ E. 65th

Broadway Streetscape

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Key

-  Brick pavers
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-  Existing Cobra-head street light
-  Shade tree
-  Lawn

Broadway @ E. 65th

Broadway Streetscape

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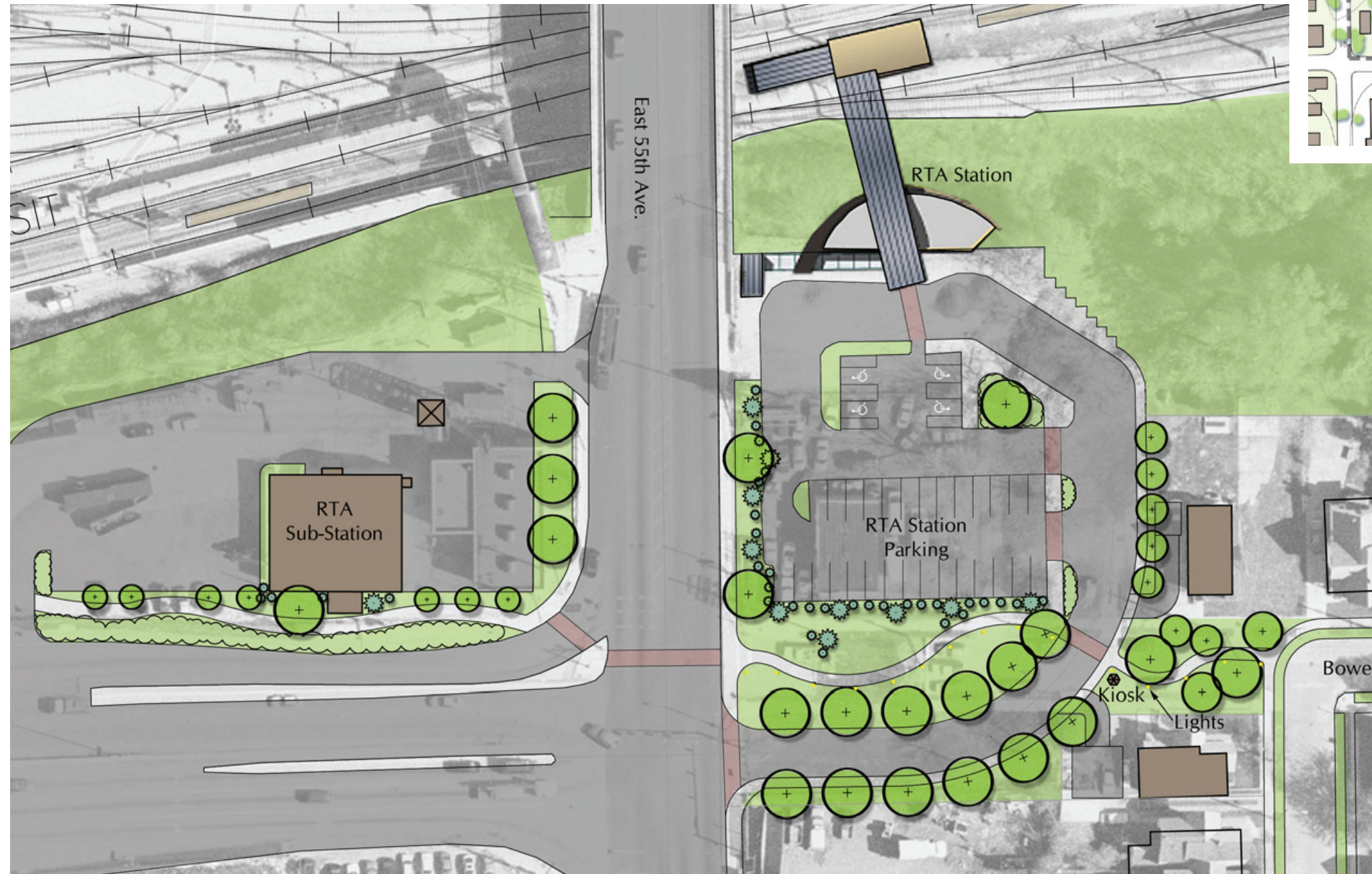


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East 55th Street Rapid Station



Proposed RTA Station at E. 55th and bike route through neighborhood



Proposed crossing improvement at E. 55th

New 55th Street RTA Station

East 55th Street Rapid Station

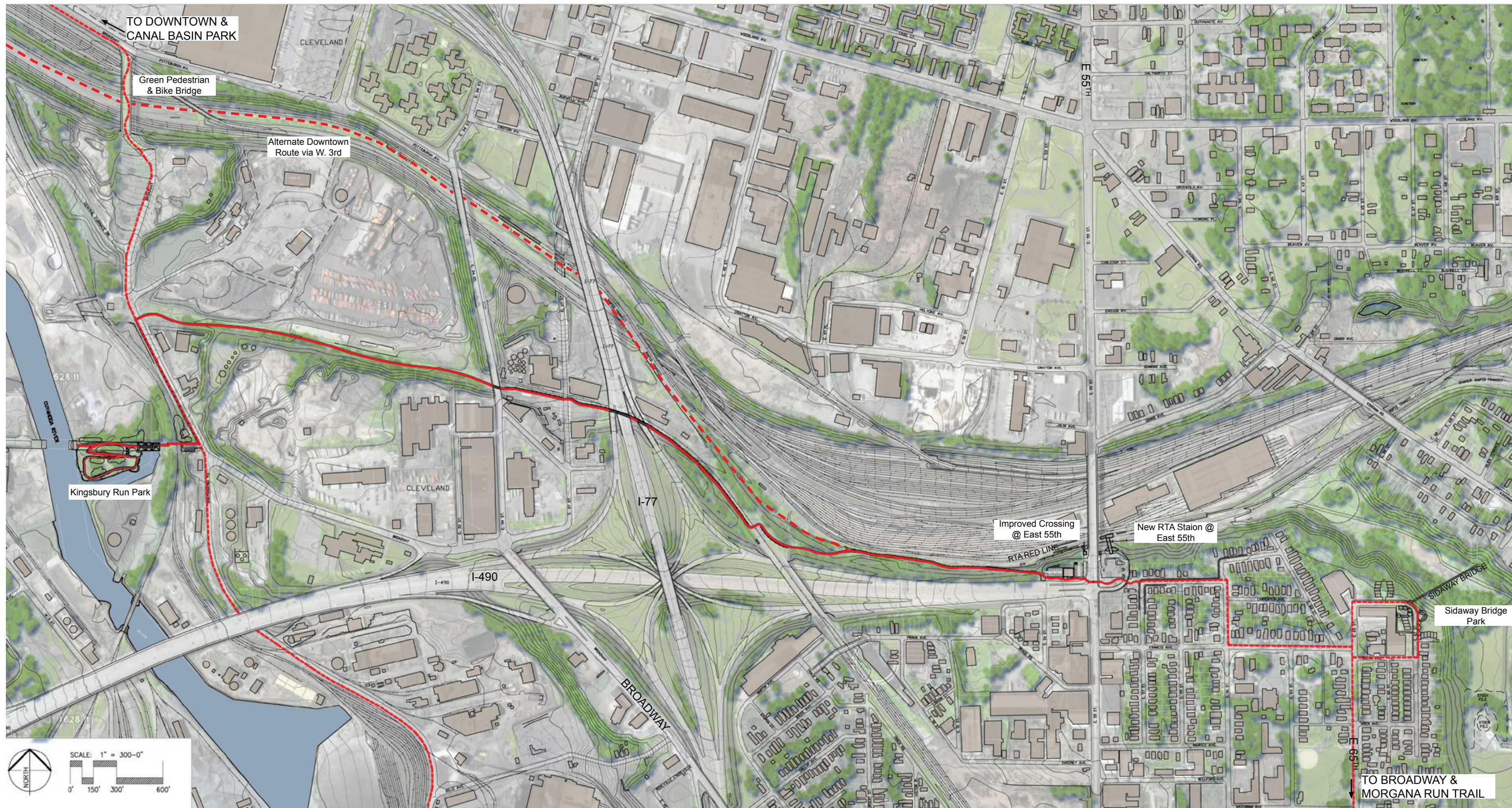
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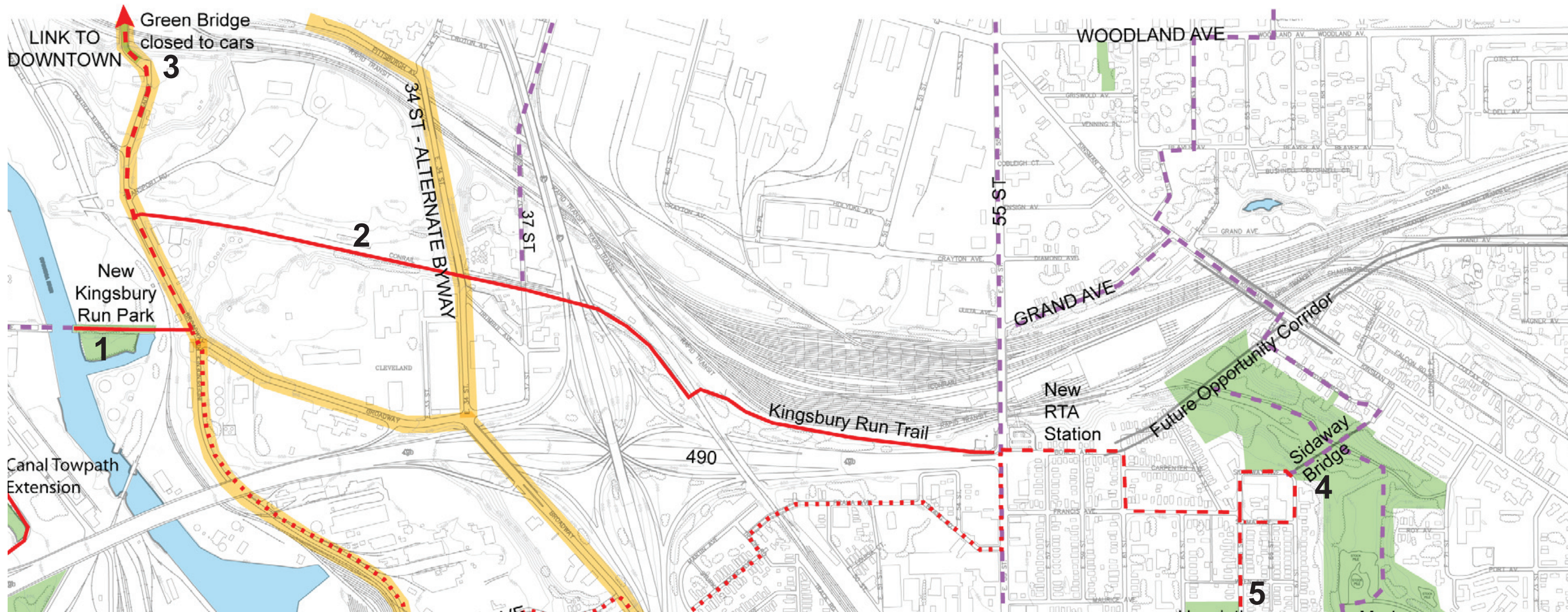
Kingsbury Run Trail



Summary Trail Plan
Kingsbury Run
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KINGSBURY RUN

MAP LOCATIONS

KEY

Kingsbury Run stream valley, long used as a rail corridor, is one of the few links across I-77, and provides the opportunity to reconnect residents with nature and their industrial heritage. The trail terminates at both ends with trail head parks that highlight scenic views of the existing historic bridges, Kingsbury Run valley, and of the Cuyahoga river, while providing linkage to other assets such as Morgana Run Trail, the Scenic Byway, Broadway shopping districts, and downtown Cleveland.

1. New Kingsbury Run bike adventure park/ canoe stop at the Cuyahoga river.
2. Kingsbury Run uses abandoned rail and existing access to provide a neighborhood link to the river.
3. "Green bridge" provides pedestrian and bike access to downtown.
4. Sidaway Bridge Park highlights scenic Sidaway Bridge neighborhood and creates development opportunities.
5. On street bike routes connect to Broadway and Morgana Run Trail.

- Park/ Green space
- Existing Trail/ Bikeway
- Existing On-street Bike Route
- Proposed Trail
- Proposed On-street Bike Route
- Alternate Trail Routes
- City Proposed Bikeway
- National Scenic Byway
- Streetscape Improvements

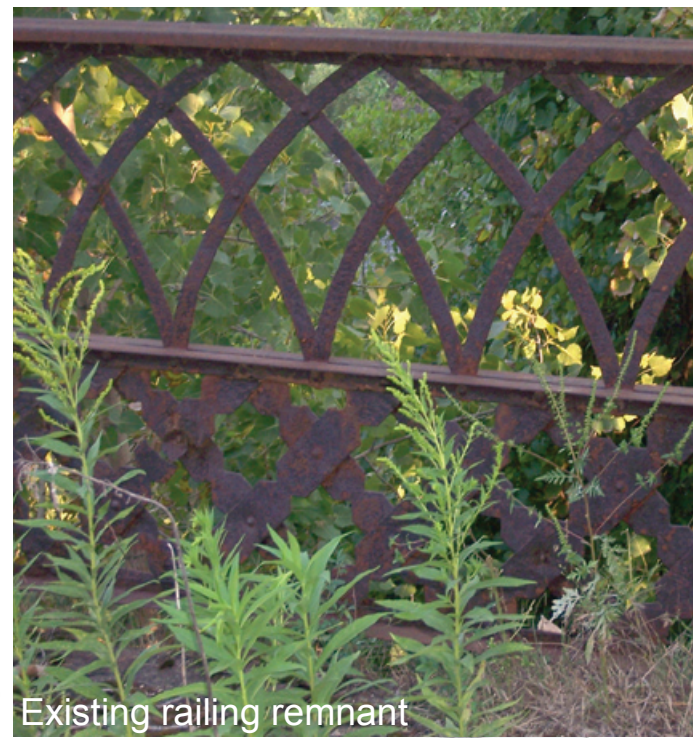


North - Kingsbury Run
Kingsbury Run

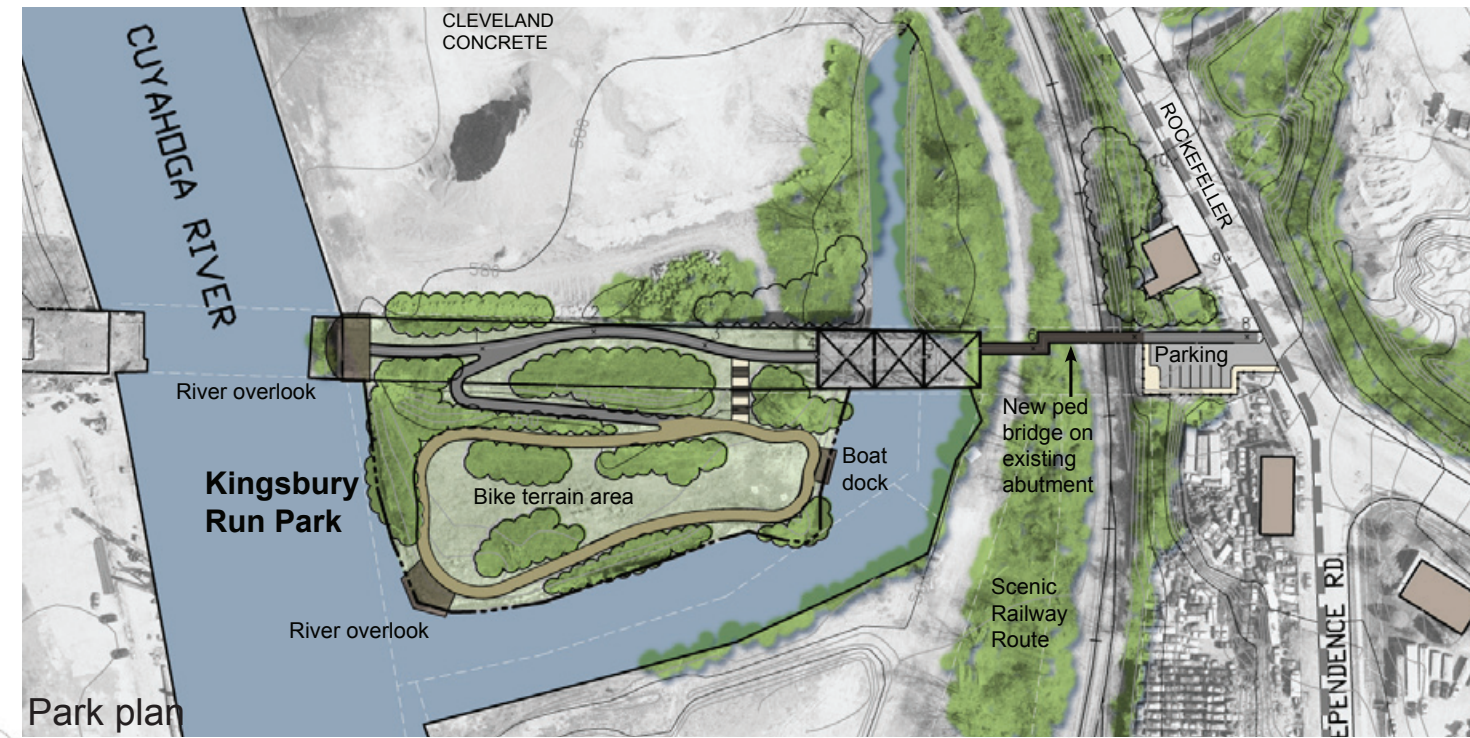
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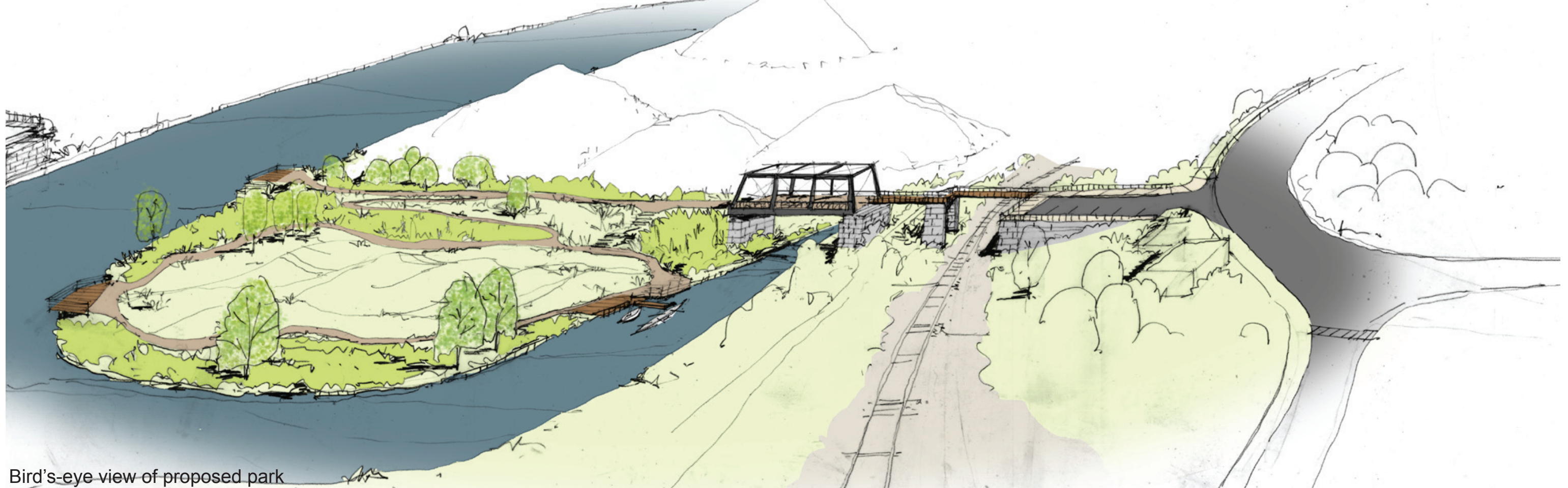
Existing bridge remnant



Existing railing remnant



Park plan



Bird's-eye view of proposed park

Kingsbury Run bike adventure park/ canoe stop

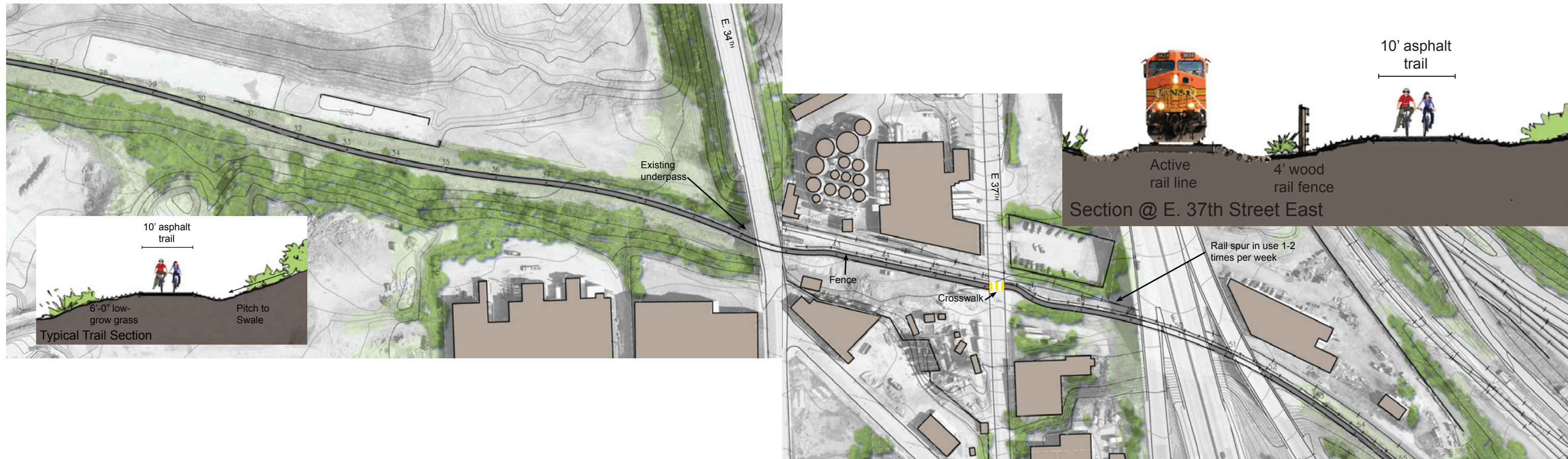
Kingsbury Run

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Proposed view west of E. 34th



Crossing location at E. 37th and under I-77



Existing conditions along trail route



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Kingsbury Run Trail
Kingsbury Run
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Existing closed bridge



Bird's-eye view of proposed park



Existing park site



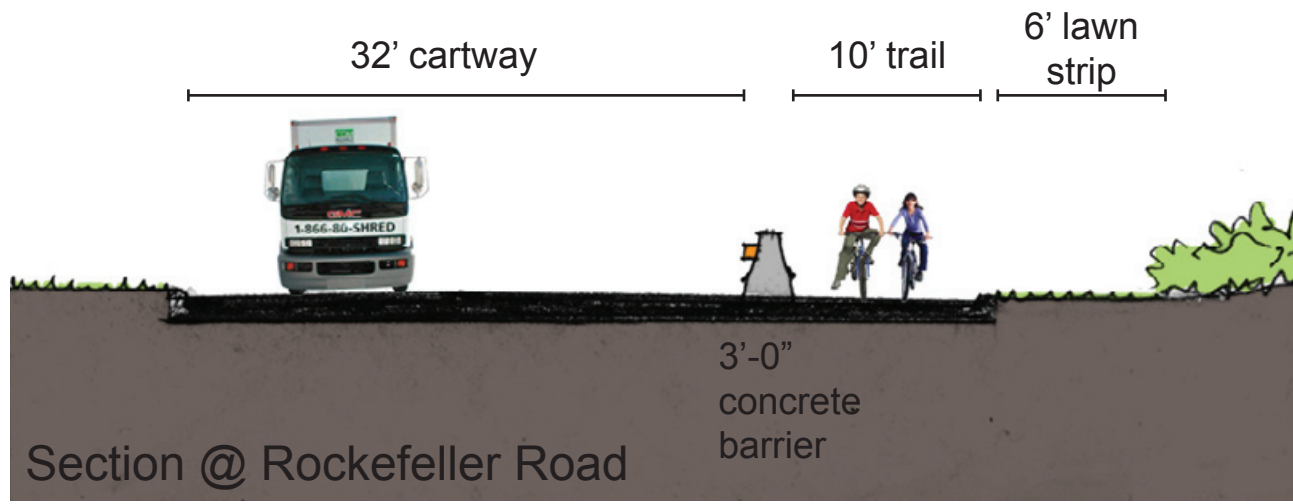
Sidaway Bridge Park

Kingsbury Run

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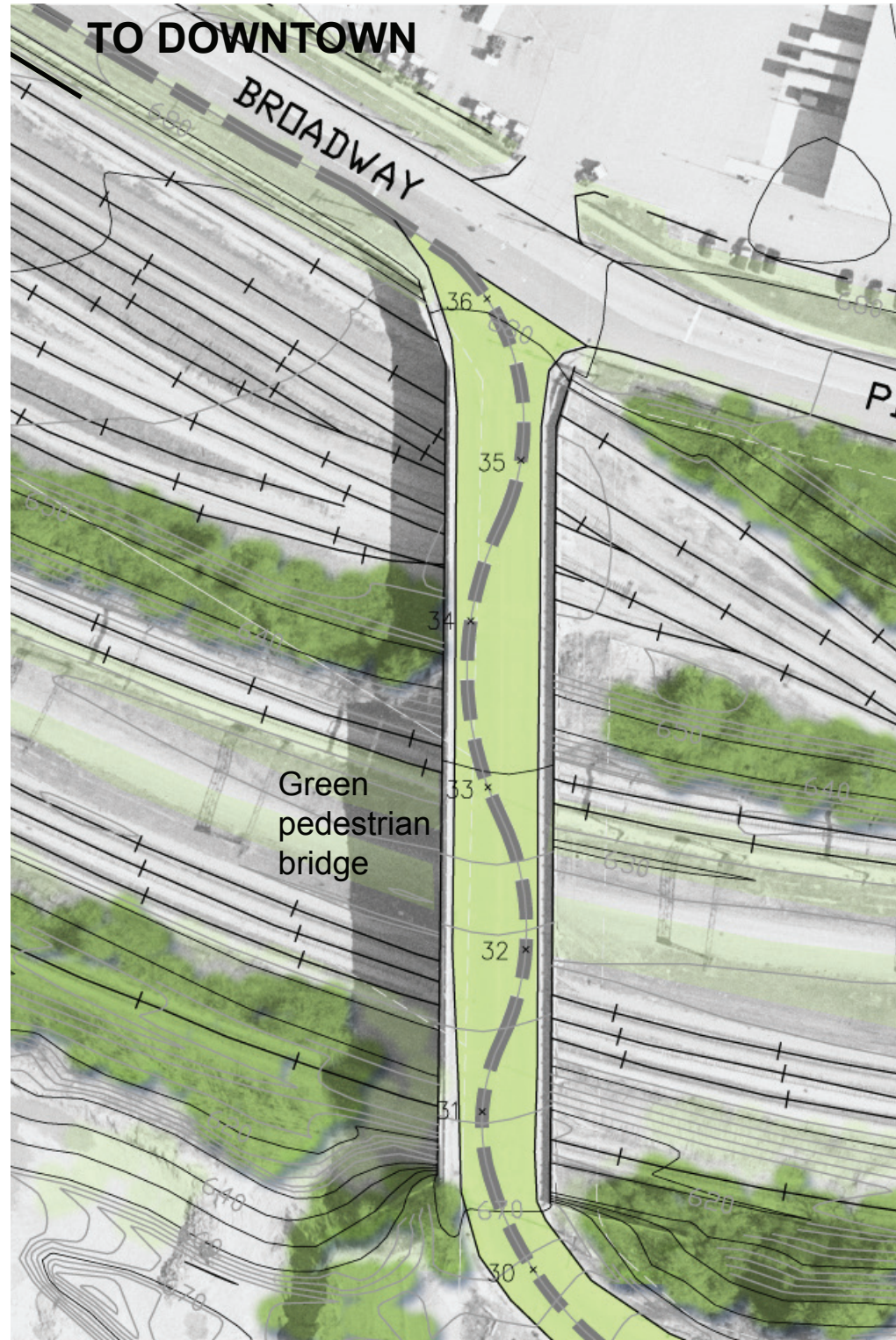


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On Street Bike Lane
Kingsbury Run
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Proposed green bridge

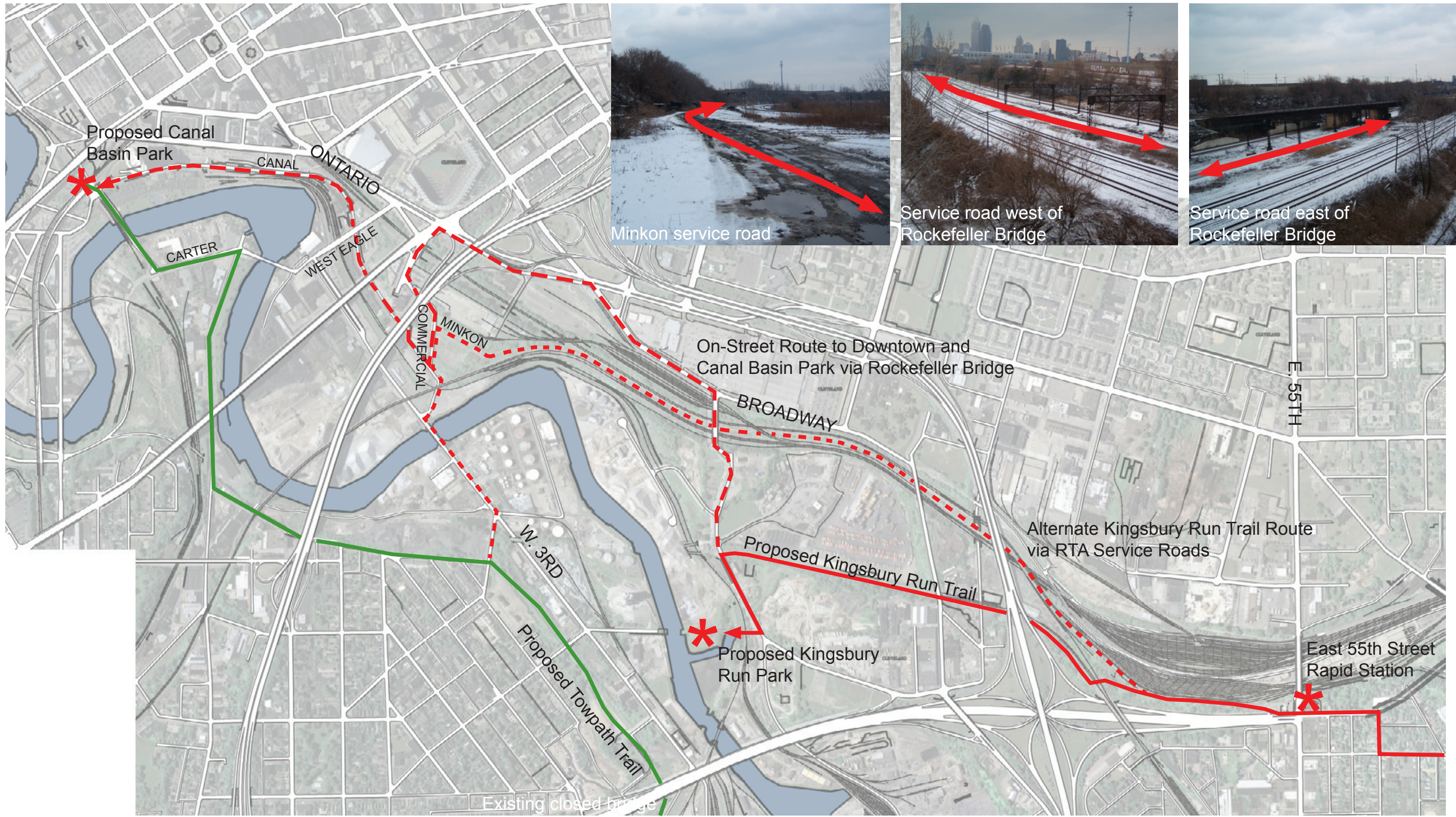
Existing closed bridge

View of downtown from bridge



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 812 Huron Road
 Suite 421
 Cleveland, Ohio 44115-1126
 216 771-1800
 216 771-1801 FAX
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Green Bridge to Downtown
Kingsbury Run
 Transportation for Livable Communities Initiative
 Slavic Village Development / NOACA / City of Cleveland



Alternate Routes to Downtown

Kingsbury Run

Transportation for Livable Communities Initiative
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Cost Estimates

January 14, 2008

Slavic Village Development - Morgana Run Trail Links
 Preliminary Estimate of Probable Construction Costs - Schematic Design Phase

Item	Quantity	Unit	Unit Cost	Subtotal	Total
Incidentals, Bonds, Mobilization, etc.		ls	\$25,000.00	\$25,000.00	\$25,000.00
EAST 49th STREET CONNECTION					
Decorative Fencing @ I-77 ODOT R.O.W.					
Site Demolition	2,500	lf	\$10.00	\$25,000.00	
Landscape Improvements		ls	\$35,000.00	\$35,000.00	
New Mesh Fencing	2,500	lf	\$100.00	\$250,000.00	\$310,000.00
Improvements to I-77 Pedestrian Bridge					
New Railing System		ls	\$150,000.00	\$150,000.00	
Paint Bridge		ls	\$80,000.00	\$80,000.00	
Ramp Improvements		ls	\$75,000.00	\$75,000.00	\$305,000.00
BLANCHE AVENUE CONNECTION					
Site Demolition and Grading	110	lf	\$100.00	\$11,000.00	
Asphalt Path - 10' wide	110	lf	\$50.00	\$5,500.00	
Fence along trail	150	lf	\$30.00	\$4,500.00	
Concrete Steps Handrail		ls	\$20,000.00	\$20,000.00	
Landscape Restoration		ls	\$5,000.00	\$5,000.00	\$46,000.00
EAST 55th STREET UNDERPASS					
Grading and Drainage		ls	\$5,000.00	\$5,000.00	
Concrete Seat Wall	120	lf	\$100.00	\$12,000.00	
Rock Garden		ls	\$13,000.00	\$13,000.00	
Landscape Restoration		ls	\$5,000.00	\$5,000.00	\$35,000.00

Item	Quant	Unit	Unit Cost	Subtotal	Total
BROADWAY RAIL BRIDGE RETROFIT					
Renovate / Paint Bridge		ls	\$50,000.00	\$50,000.00	
Grading / site Preparation	600	lf	\$20.00	\$12,000.00	
Paving Improvements	600	lf	\$50.00	\$30,000.00	
Landscape Improvements		ls	\$25,000.00	\$25,000.00	\$117,000.00
TRAIL EXTENSION TO EAST 71ST STREET					
Grading / Site Preparation	3,000	lf	\$20.00	\$60,000.00	
Paving Improvements	3,000	lf	\$50.00	\$150,000.00	
Fencing Improvements	3,000	lf	\$35.00	\$105,000.00	
Landscaping Improvements		ls	\$65,000.00	\$65,000.00	\$380,000.00
SIGNAGE					
Fabrication		ls	\$12,000.00	\$12,000.00	
Installation		ls	\$8,000.00	\$8,000.00	\$20,000.00
Morgana Trail Connections Subtotal					\$1,238,000.00
Contingency (10%)					\$123,800.00
Design and Engineering (10%)					\$123,800.00
Total					\$1,485,600.00



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Morgana Run Neighborhood Connections
Cost Estimates
 Transportation for Livable Communities Initiative
 Slavic Village Development / NOACA / City of Cleveland

December 29, 2006

City of Cleveland - Broadway Avenue Streetscape - East 49th Street to Baxter Avenue
Preliminary Estimate of Probable Construction Costs - Schematic Design Phase

Item	Quantity	Unit	Unit Cost	Subtotal	Total
Incidentals, Bonds, Mobilization, etc.		ls	\$120,000.00	\$120,000.00	\$120,000.00
Demolition					
Concrete Pavement Removal	129,000	sf	\$1.50	\$193,500.00	
Asphalt Removal	1,200	sy	\$9.00	\$10,800.00	
Utility Pole Consolidation		ls	\$65,000.00	\$65,000.00	
Curb Removal	10,000	lf	\$2.50	\$25,000.00	\$294,300.00
New Construction - Paving					
Concrete Aprons	12,700	sf	\$8.00	\$101,600.00	
Concrete Sidewalk	109,000	sf	\$6.50	\$708,500.00	
Concrete Curb	10,000	lf	\$25.00	\$250,000.00	
Curb Ramps	74	each	\$2,500.00	\$185,000.00	
Brick Amenity Paving	23,000	sf	\$18.00	\$414,000.00	
Concrete Bus Pads	11,000	sf	\$10.00	\$110,000.00	
Asphalt Repair at Street	3,500	sy	\$45.00	\$157,500.00	
New Catch Basins / Sewer Connections		ls	\$100,000.00	\$100,000.00	
Raise Manholes to Grade		ls	\$25,000.00	\$25,000.00	
Rolled Curb at Tree Pits	4,500	lf	\$15.00	\$67,500.00	\$2,119,100.00
Landscape Work					
Tree Lawns - Soil Backfill	350	cy	\$55.00	\$19,250.00	
Trees	227	each	\$500.00	\$113,500.00	
Lawn Seeding	12,000	sf	\$0.25	\$3,000.00	
Site Furnishings		ls	\$75,000.00	\$75,000.00	\$210,750.00
Electrical Work**					
Light Poles / Bases	99	each	\$4,500.00	\$445,500.00	
Conduit	10,000	lf	\$20.00	\$200,000.00	
Electrical Connections		ls	\$120,000.00	\$120,000.00	\$765,500.00
Subtotal					\$3,389,650.00
Contingency (10%)					\$338,965.00
Design and Engineering (10%)					\$372,861.50
Total					\$4,101,476.50

**Not including burying primary service

Broadway Streetscape
Cost Estimates
Transportation for Livable Communities Initiative
Slavic Village Development / NOACA / City of Cleveland



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Slavic Village Development - Kingsbury Run Trail - Cuyahoga River to East 67th Street

Preliminary Estimate of Probable Construction Costs - Schematic Design Phase

Item	Quantity	Unit	Unit Cost	Subtotal	Total
Incidentals, Bonds, Mobilization, etc.		ls	\$75,000.00	\$75,000.00	\$75,000.00
Trail along Rockefeller STA 8+00 to 17+50					
Pavement Repair / Striping	1,100	lf	\$20.00	\$22,000.00	
Jersey Barrier	1,100	lf	\$15.00	\$16,500.00	\$38,500.00
Trail in old Railway ROW- Rockefeller to East 37th Street STA17+50 to 46+00					
Grading and Drainage	2,850	lf	\$15.00	\$42,750.00	
Asphalt Path - 10' wide	2,850	lf	\$50.00	\$142,500.00	
Landscape Restoration		ls	\$25,000.00	\$25,000.00	\$210,250.00
Trail in old Railway ROW- East 37th Street to East 55th Street STA 46+00 to 81+50					
Grading and Drainage	3,500	lf	\$15.00	\$52,500.00	
Asphalt Path - 10' wide	3,500	lf	\$50.00	\$175,000.00	
Fence along trail	3,050	lf	\$30.00	\$91,500.00	
At Grade Crossing w/ Gates		ls	\$90,000.00	\$90,000.00	
Landscape Restoration		ls	\$35,000.00	\$35,000.00	\$444,000.00
East 55th Street Rapid Station STA 81+50 to 88+50					
Grading and Drainage	600	lf	\$15.00	\$9,000.00	
Concrete Path - 10' wide	600	lf	\$65.00	\$39,000.00	
Cross walk Enhancements		ls	\$10,000.00	\$10,000.00	
Landscape Restoration		ls	\$20,000.00	\$20,000.00	\$78,000.00
Trail along Bower / Francis to Sideway Bridge STA 88+50 to 113+00					
Pavement Repair / Striping	2,450	lf	\$20.00	\$49,000.00	\$49,000.00
Trail Subtotal					\$894,750.00
Sideway Bridge Park					
Stabilize Bridge		ls	\$150,000.00	\$150,000.00	
Paving Improvements	5,000	sf	\$8.00	\$40,000.00	
Kiosk / Furnishings		ls	\$20,000.00	\$20,000.00	
Landscape Improvements		ls	\$25,000.00	\$25,000.00	
Lighting		ls	\$30,000.00	\$30,000.00	\$265,000.00

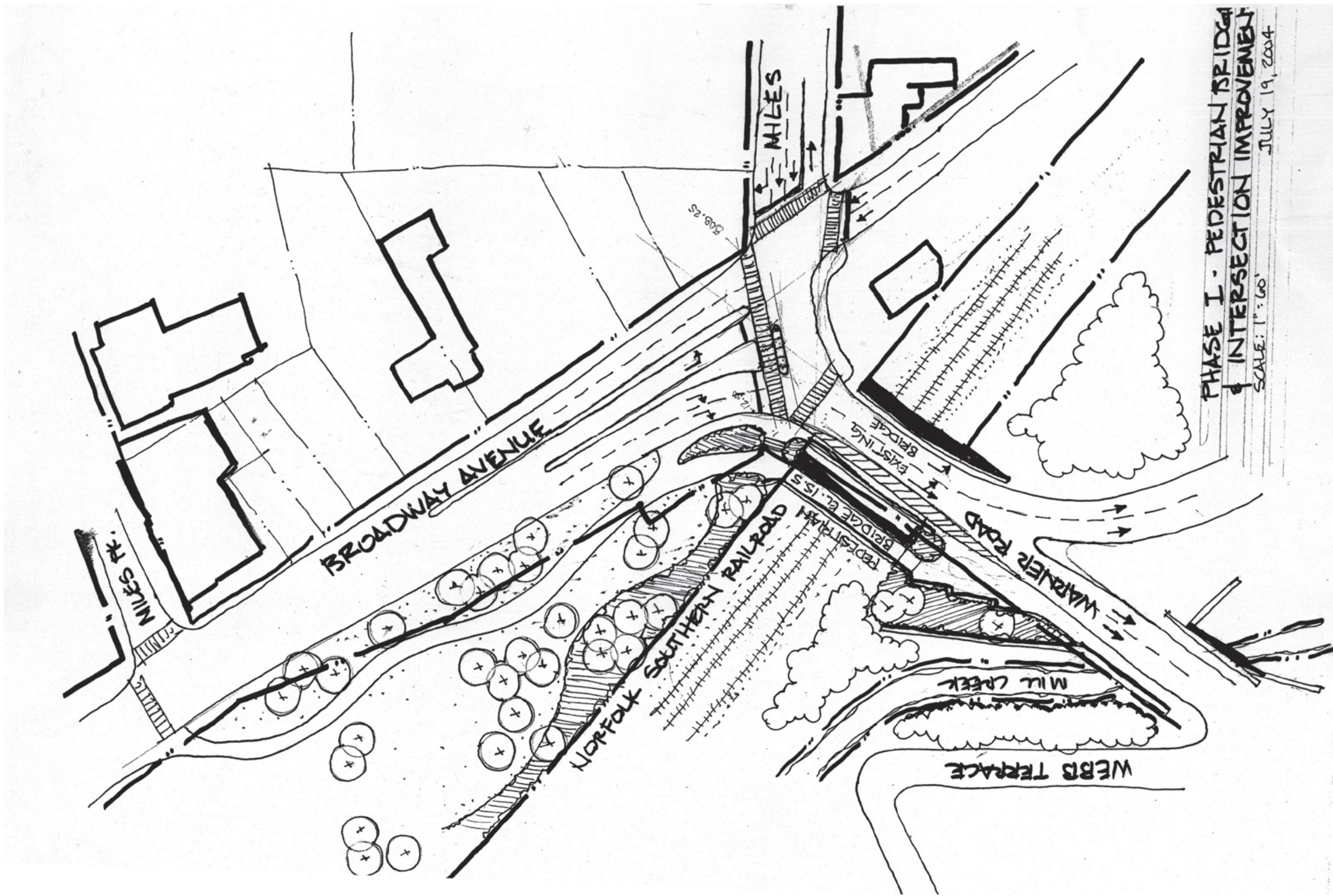
Item	Quant	Unit	Unit Cost	Subtotal	Total
Kingsbury Run Park					
Refurbish Bridge for Outdoor Space		ls	\$80,000.00	\$80,000.00	
Pedestrian Bridge Connection		ls	\$90,000.00	\$90,000.00	
Naturalized Bulkheading		ls	\$75,000.00	\$75,000.00	
River Overlooks		ls	\$60,000.00	\$60,000.00	
Trails in Park		ls	\$50,000.00	\$50,000.00	
Parking Improvements		ls	\$45,000.00	\$45,000.00	
Kiosk / Furnishings		ls	\$20,000.00	\$20,000.00	
Landscape Improvements		ls	\$30,000.00	\$30,000.00	
Lighting		ls	\$30,000.00	\$30,000.00	\$480,000.00
Park Subtotal					\$745,000.00
Contingency (10%)					\$163,975.00
Design and Engineering (10%)					\$163,975.00
Total					\$1,967,700.00

Alternate Routes to Downtown

Scenic Byway - Rockefeller Pedestrian Bridge					
Remove Pavement		ls	\$25,000.00	\$25,000.00	
Repair Railings		ls	\$45,000.00	\$45,000.00	
Pave Path	600	lf	\$20.00	\$12,000.00	
Add Soil Plantings		ls	\$60,000.00	\$60,000.00	\$142,000.00
On-Street Trail Improvements STA 17+50 to 30A+00					
Street paving / Striping	1,250	lf	\$20.00	\$25,000.00	\$25,000.00
Trail parallel to RTA tracks - E 55th to Commercial Road					
Grading / Site Preparation	18,000	lf	\$20.00	\$360,000.00	
Pave Path	18,000	lf	\$50.00	\$900,000.00	
Fencing	28,000	lf	\$35.00	\$980,000.00	
Landscaping		ls	\$100,000.00	\$100,000.00	\$2,340,000.00

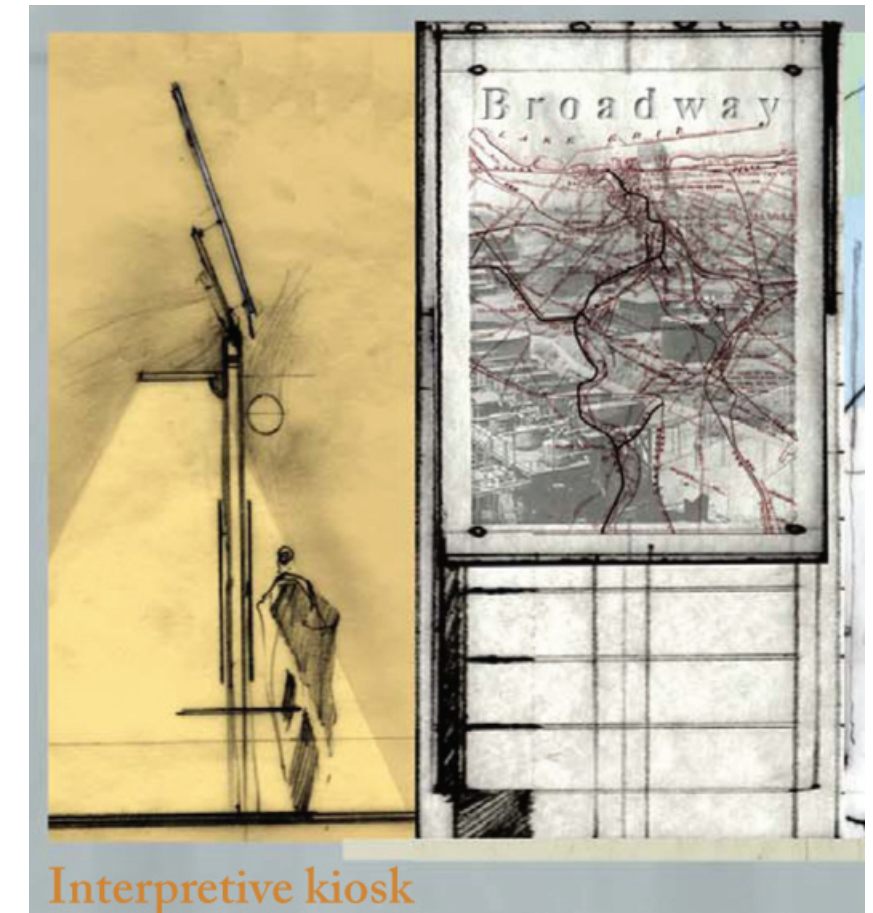
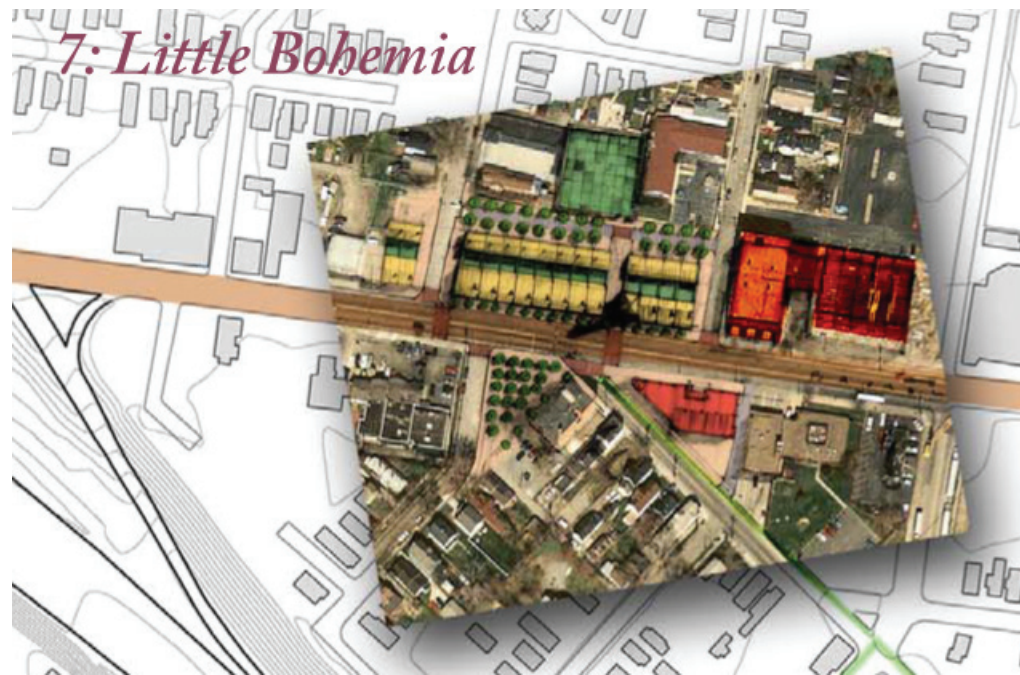


Appendix



Broadway Avenue and Miles Road Bridge Improvements
 Transportation for Livable Communities Initiative
 Slavic Village Development / NOACA / City of Cleveland

Scenic Byway Master Plan Broadway Avenue CanalWay



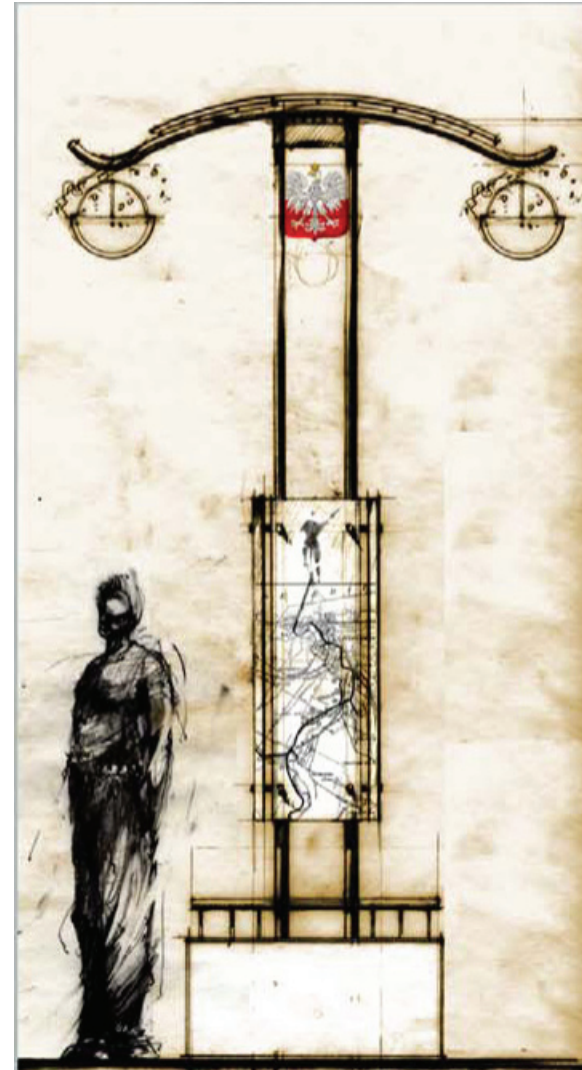
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812 Huron Road
Suite 421
Cleveland, Ohio 44115-1126
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Scenic Byway Master Plan
Transportation for Livable Communities Initiative
Slavic Village Development / NOACA / City of Cleveland

Scenic Byway Master Plan Broadway Avenue CanalWay



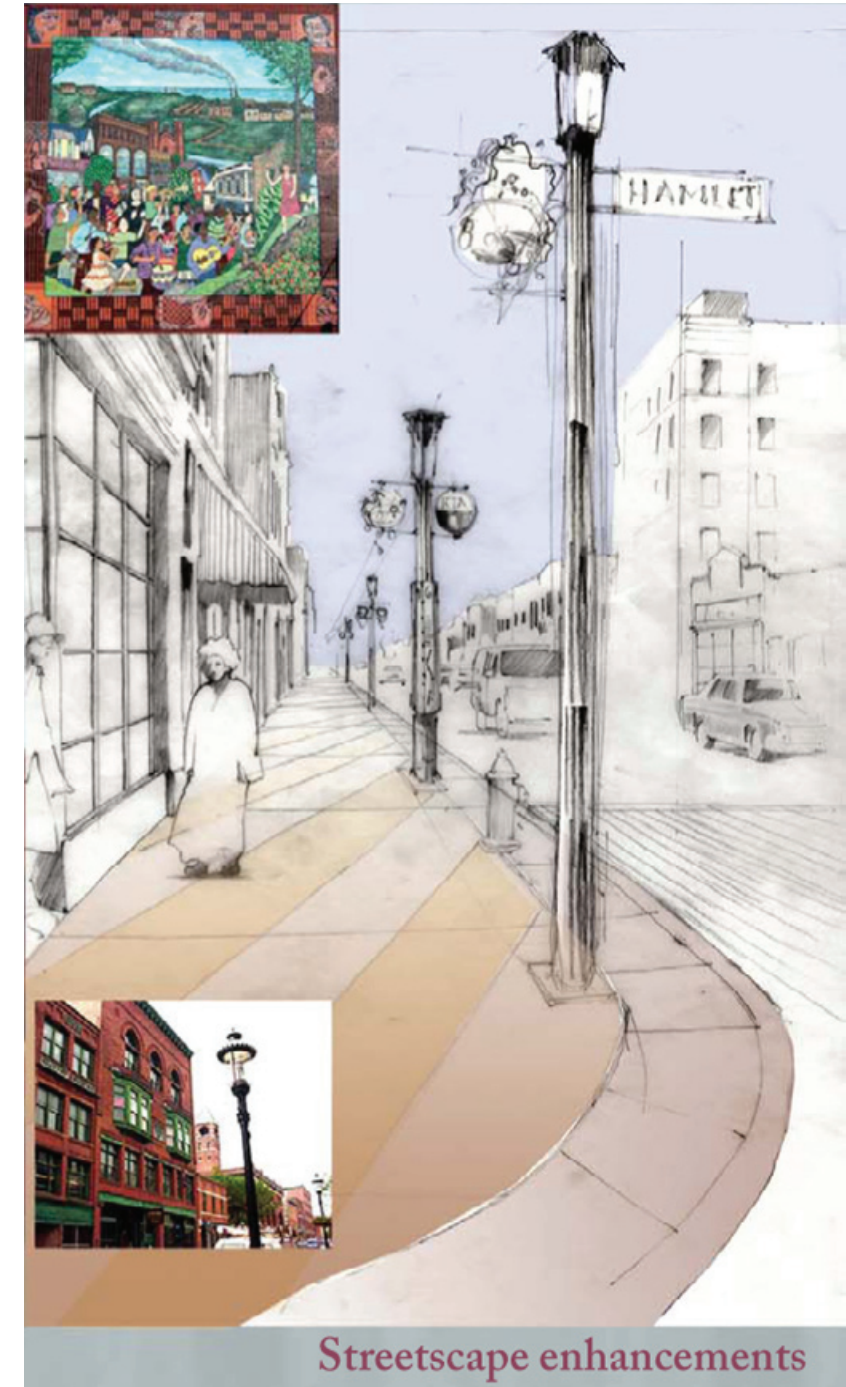
Designers: Englund & Donnelly



Map dispenser



Embedded public art



Streetscape enhancements



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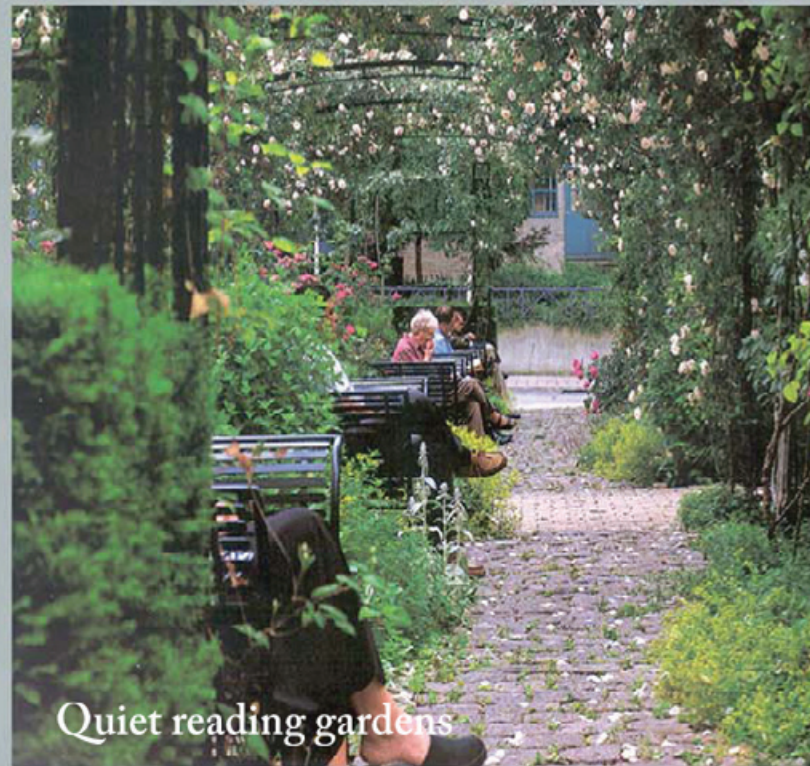
Scenic Byway Master Plan
Transportation for Livable Communities Initiative
Slavic Village Development / NOACA / City of Cleveland

Scenic Byway Master Plan Broadway Avenue CanalWay

Strategy 12:

Broadway and Fleet

- Provide a well marked crosswalk at the intersection of Broadway and Fleet Avenues.
- Create a reading garden next to the public library at the corner of Fleet and Broadway. Give passing bicyclists a water fountain and some shade to rest in. Provide information about the byway at the library.
- Install a decorative and comfortable transit waiting environment at the corner.
- Renovate the historic urban fabric on Broadway Avenue between Marble Avenue and E. 78th Street. Designate the area as a historic district.



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Scenic Byway Master Plan
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