



Brentwood Bound

Building a Bright Future

Brentwood Bound

As Brentwood looks forward to its second century, we're working on ambitious plans – and an exciting opportunity to renew part of our City.

In May 2017, the Board of Aldermen approved the **Brentwood Bound Plan**.

Three transformative initiatives are bound together to build a bright future for Brentwood.

Brentwood Bound Objectives

Address ongoing flooding issues

- Solve 100-year recurring public health & safety problem
- Remove Manchester Road from the 100-year floodplain
- Reduce 100-year floodplain from 60 acres to 27 acres(reclaim approximately 33 acres)
- 27 acres remaining in floodplain will adequately handle anticipated storm water volume
- Most of the property removed from the floodplain (including 10 residential properties) is along the Manchester Road corridor
- Opportunity for sustainable urban creek area and redevelopment unique in St. Louis



Flooding in Brentwood

June 1957 (4.74" in 15 hours)

April 1970

April 1973

July 1978

April 1979 (4.90" in 20 hours)

September 1980

June 1981

July 1982

September 1986

July 1991

August 1993

September 1993

May 1995

June 1996

February 1999

June 2000

June 2003

May 2004

July 2004

May 2005

May 2008

June 2011

December 2015

August 2016

Recent Rain Events

September 2008
7.8" in 9 hours, 0.2%
Tropical Depression Ike

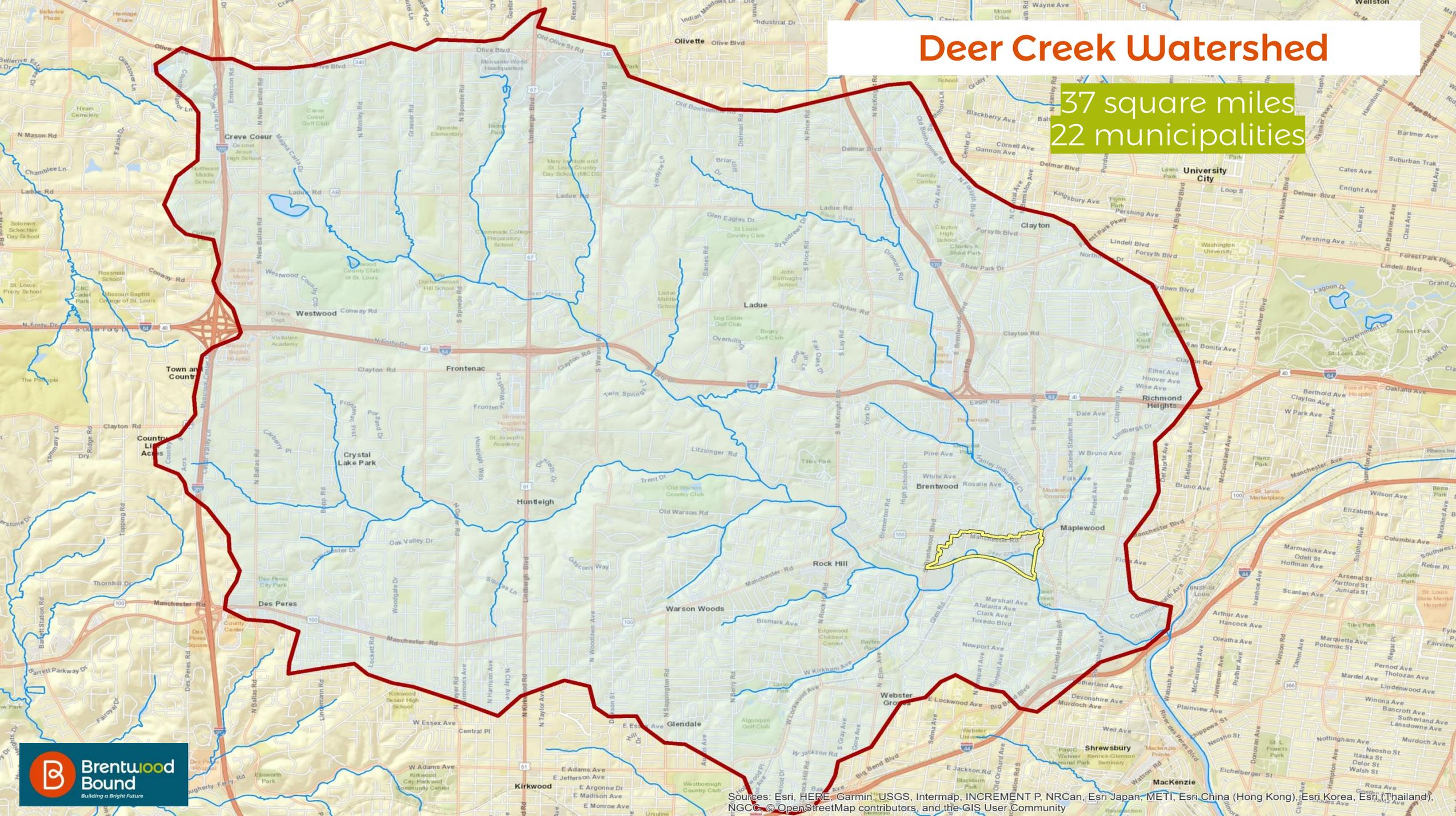
June 26, 2011
3.5" in 35 hours, 1%

December 26-28, 2015
9", 60 hours, 2%

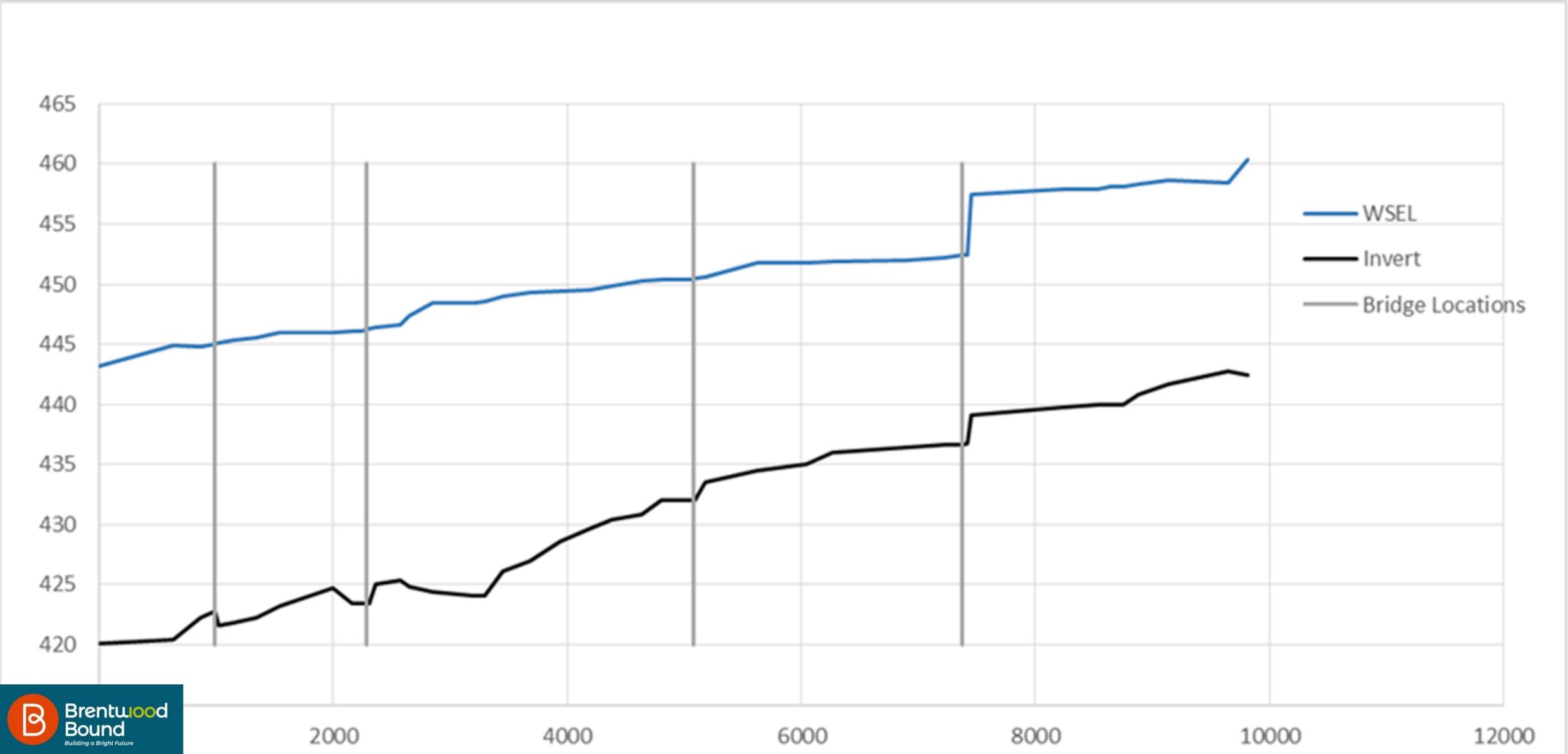
April 26-May 4, 2017
9", 192 hours, 4%

Deer Creek Watershed

37 square miles
22 municipalities



Deer Creek Elevation Profile



Deer Creek Flood Mitigation

Alleviate ongoing flooding problems and enhance public safety

Implement improvements including:

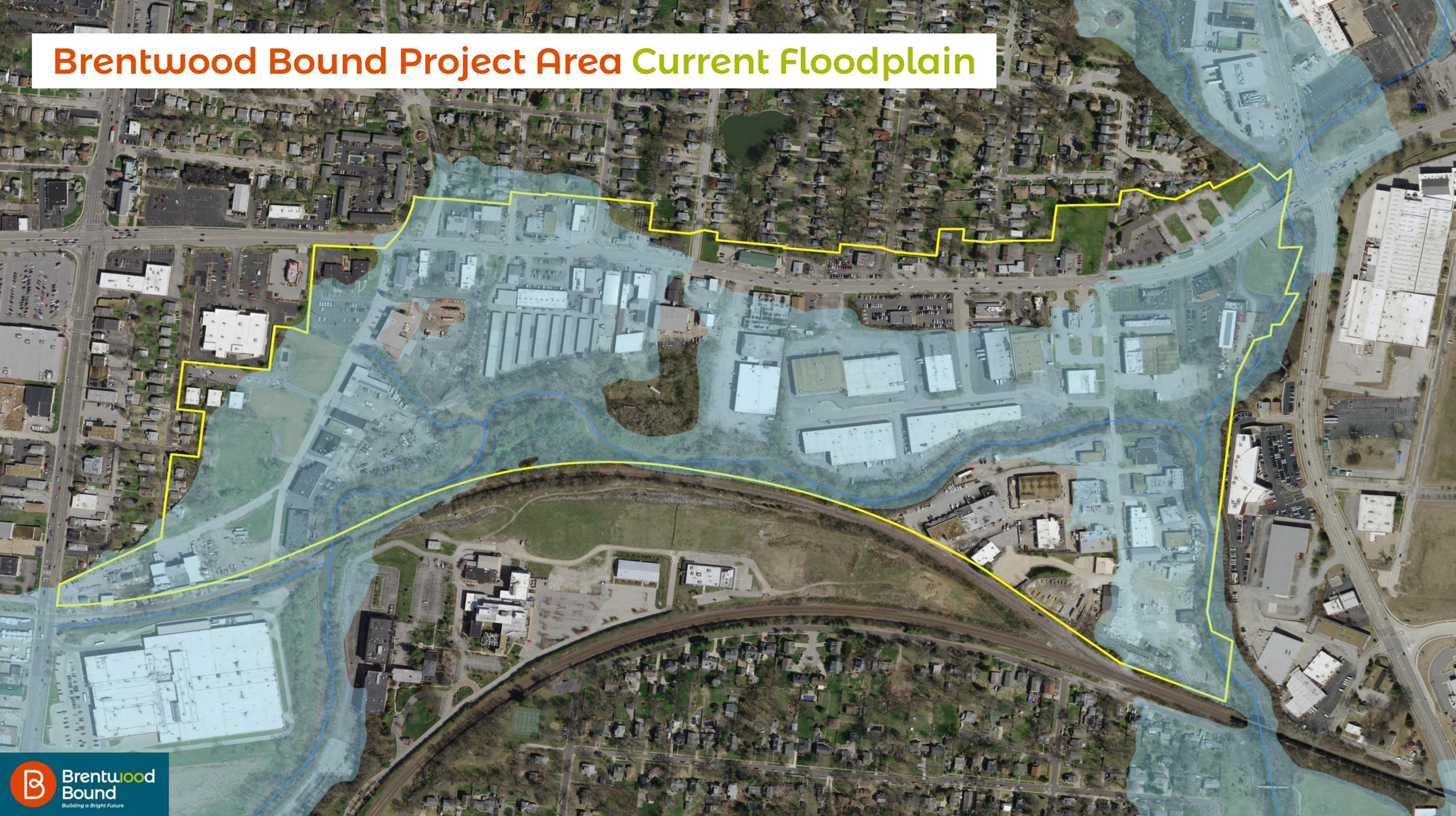
- Streambank stabilization
- Native vegetation planting
- Natural floodplain restoration (benching and widening)
- Design elements to reduce sedimentation

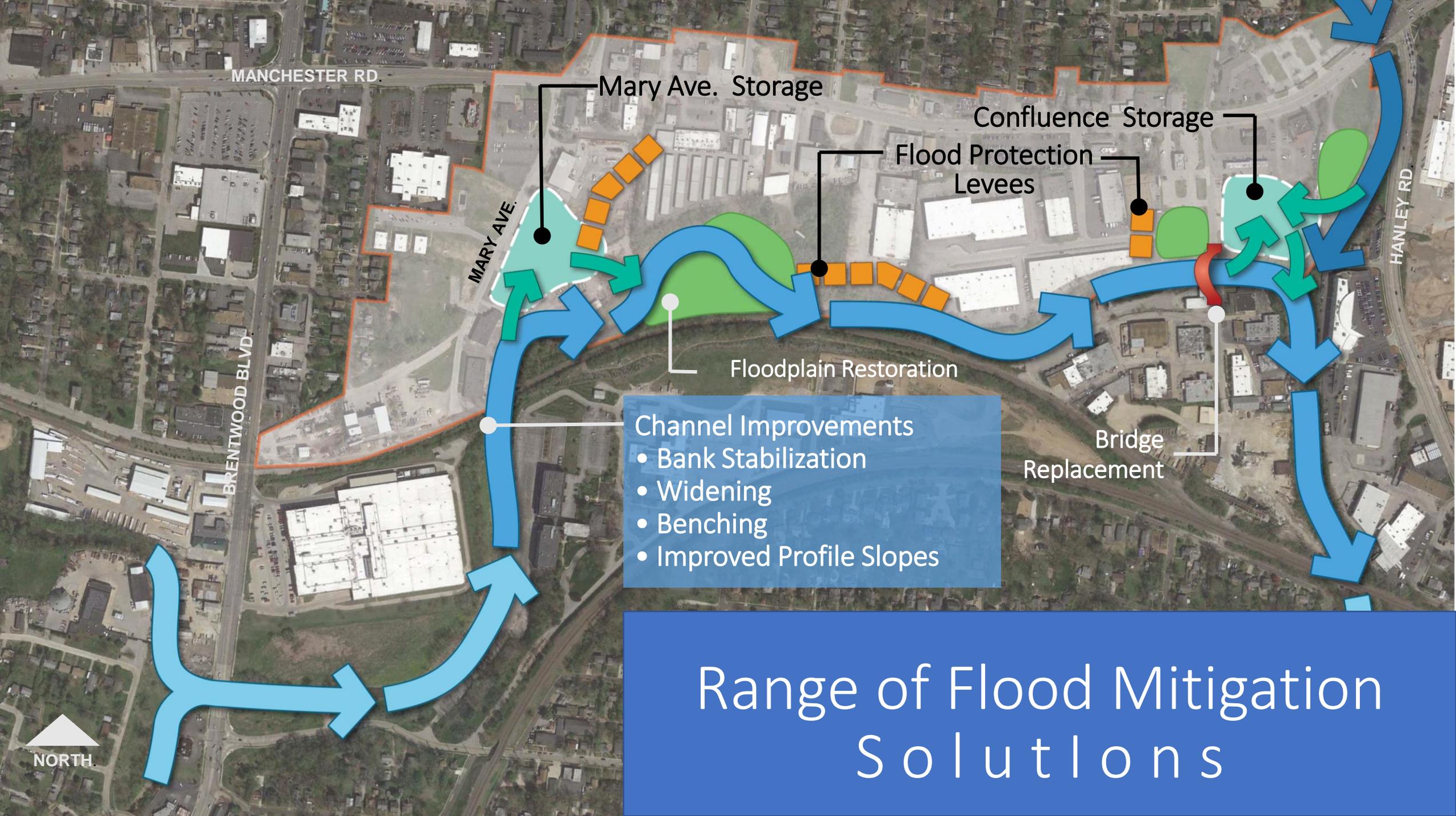
These improvements will:

- Improve public safety
- Revitalize an underused area of the City
- Reduce emergency response and flood clean-up costs
- Reduce number of flood-prone properties
- Increase taxable revenue
- Restore floodplain to adequately handle storm water volume
- Develop a unique, sustainable urban creek area in St. Louis



Brentwood Bound Project Area Current Floodplain





MANCHESTER RD.

Mary Ave. Storage

Confluence Storage

Flood Protection
Levees

MARY AVE.

HANLEY RD.

BRENTWOOD BLVD.

Floodplain Restoration

Channel Improvements

- Bank Stabilization
- Widening
- Benching
- Improved Profile Slopes

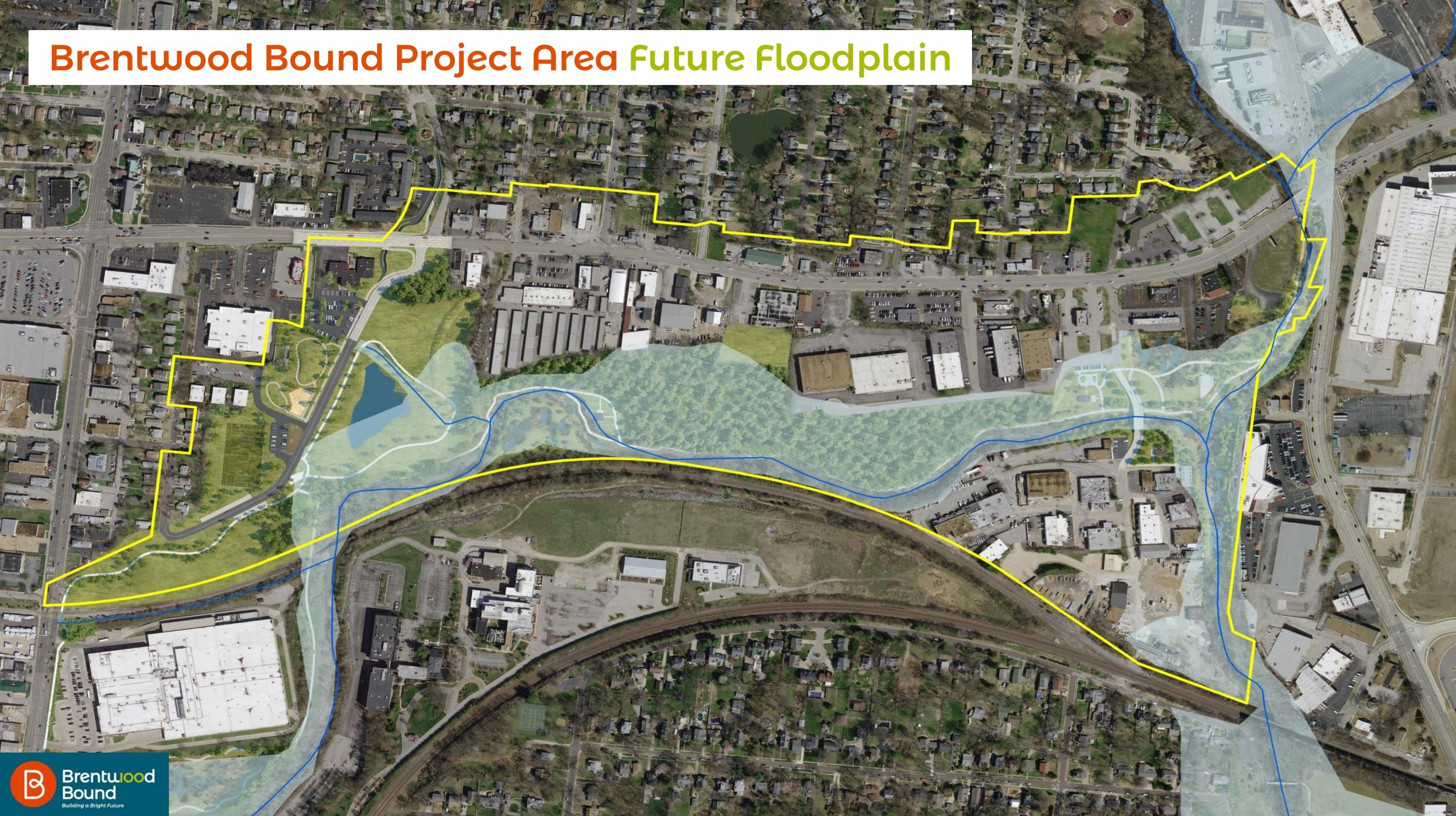
Bridge
Replacement

Range of Flood Mitigation Solutions



NORTH

Brentwood Bound Project Area Future Floodplain



Manchester Road Improvements

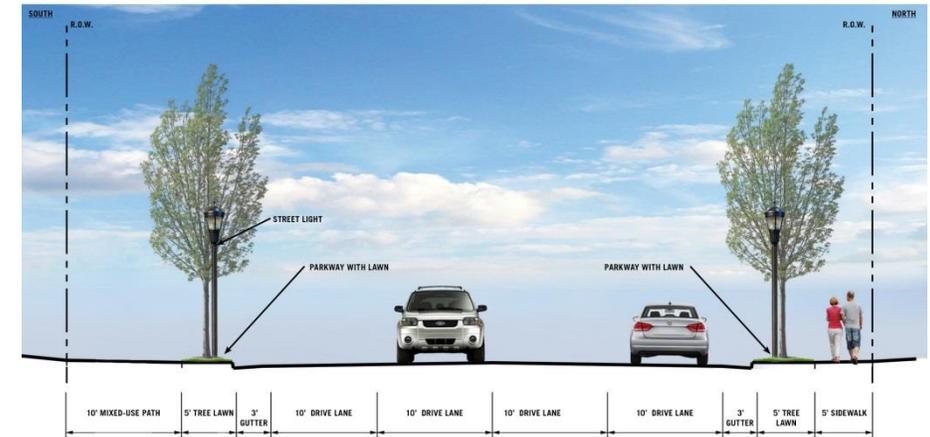
Enhance the Manchester Corridor between Hanley and Bremerton

MoDOT-funded enhancements

- Mill and overlay pavement
- Improve drainage along the corridor
- Manchester Road bridge replacement near Hanley Road
- Sidewalk and ADA improvements
- Traffic signal upgrades

Brentwood-funded enhancements

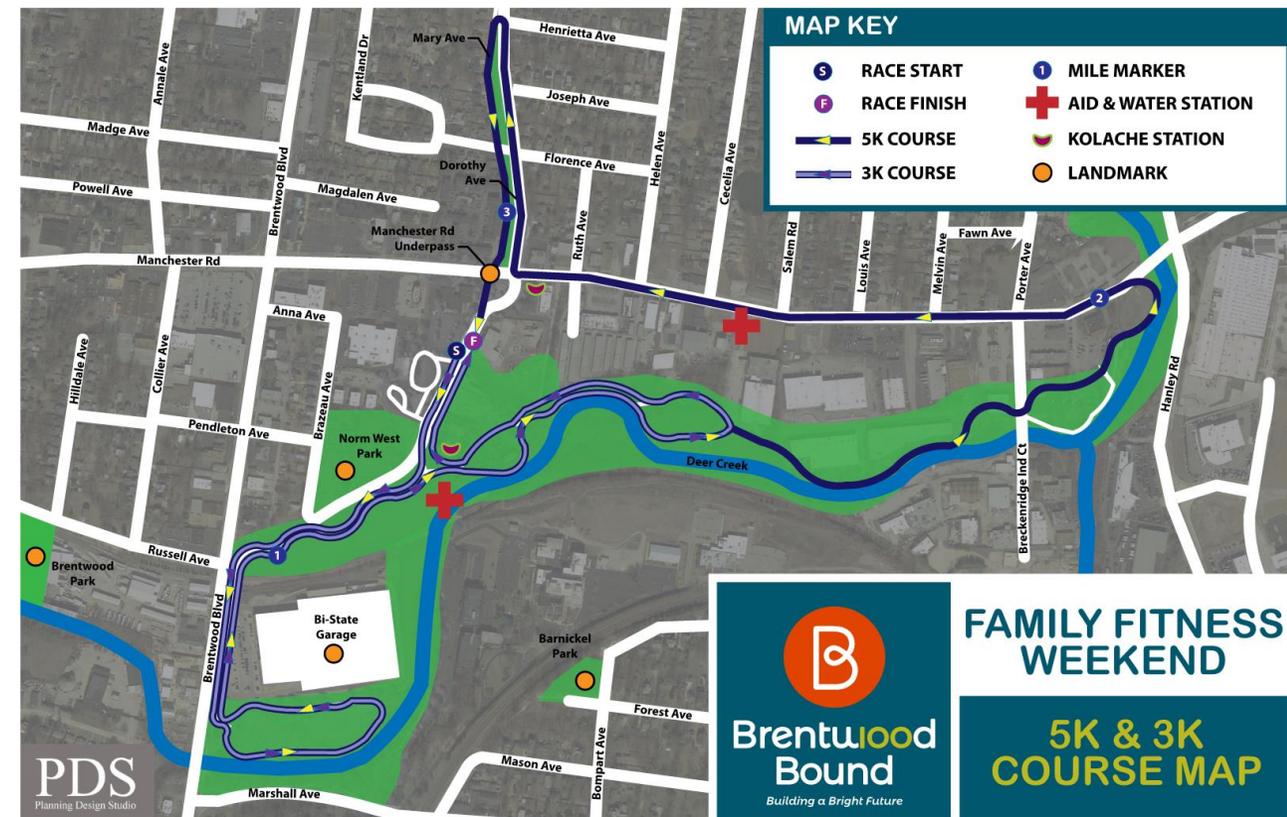
- Pedestrian tunnel
- Decorative street signage
- Decorative lighting
- Manchester Rd bridge enhancements near Hanley Road
- Trailheads - Pedestrian destinations
- Accessible 6" curbs
- 5' sidewalks on north side
- 10' shared use path on south side
- Monument signage - *privately funded*



Deer Creek Greenway Connector

Connect Rogers Parkway to Deer Creek Greenway

- Trailhead with parking
- Greenway linking multiple parks
- Additional parking for Norm West Park
- .65-mile paved trail
- Potential to connect more than 28 miles of greenways

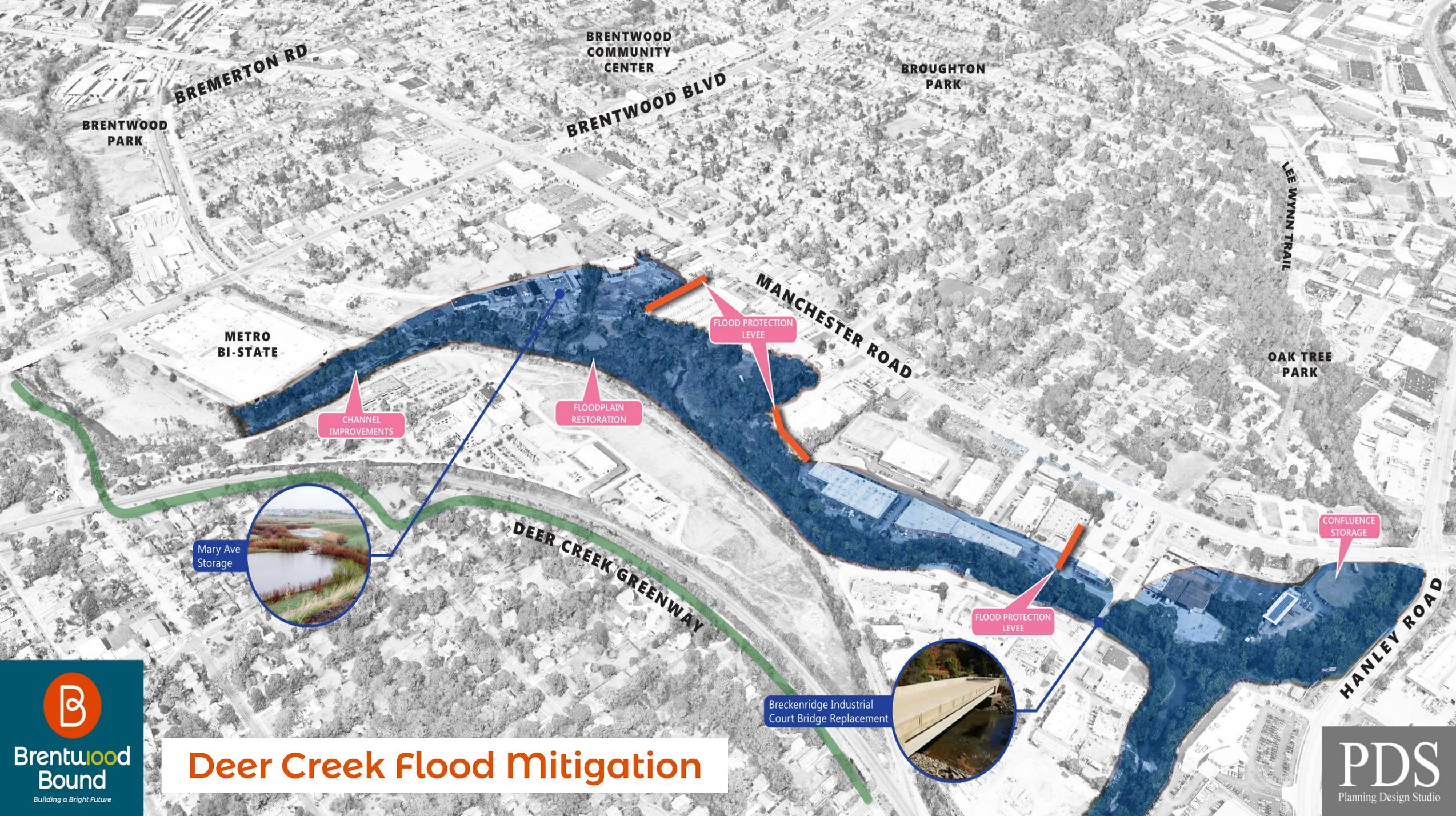


Deer Creek Greenway Connector



- KEY:**
- A. RELOCATED DRIVEWAY
 - B. UNDERPASS
 - C. RELOCATED MARY AVENUE
 - D. RECONFIGURED PARKING LOT
 - E. DOG PARK (POTENTIAL FUTURE PHASE)
 - F. NORM WEST PARK (POTENTIAL FUTURE PHASE)
 - G. GREENWAY EXPANSION
 - H. AT-GRADE RAILROAD CROSSING
 - I. WETLAND RESTORATION (POTENTIAL FUTURE PHASE)
 - J. STREAM BANK RESTORATION
 - K. DEER CREEK BRIDGE (POTENTIAL FUTURE PHASE)
 - L. WETLAND OVERLOOK (POTENTIAL FUTURE PHASE)
 - M. DEER CREEK TRAILHEAD AND PARKING
 - N. BRIDGE CROSSING

DEER CREEK TO ROGERS PARKWAY - FEASIBILITY STUDY - RECOMMENDED ALIGNMENT



BREMERTON RD

BRENTWOOD
COMMUNITY
CENTER

BROUGHTON
PARK

BRENTWOOD BLVD

BRENTWOOD
PARK

LEE WYNN TRAIL

METRO
BI-STATE

MANCHESTER ROAD

OAK TREE
PARK

CHANNEL
IMPROVEMENTS

FLOODPLAIN
RESTORATION

FLOOD PROTECTION
LEVEE



Mary Ave
Storage

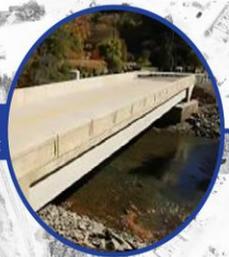
DEER CREEK GREENWAY

CONFLUENCE
STORAGE

FLOOD PROTECTION
LEVEE

HANLEY ROAD

Breckenridge Industrial
Court Bridge Replacement



Deer Creek Flood Mitigation





BREMERTON RD

BRENTWOOD BLVD

MANCHESTER ROAD

HANLEY ROAD

DEER CREEK GREENWAY

BRENTWOOD PARK

BRENTWOOD COMMUNITY CENTER

BROUGHTON PARK

LEE WYNN TRAIL

OAK TREE PARK

METRO BI-STATE

CHANNEL IMPROVEMENTS

FLOODPLAIN RESTORATION

FLOOD PROTECTION LEVEL

Manchester Road Overlay

CONFLUENCE STORAGE

Mary Ave Storage

Breckenridge Industrial Court Bridge Replacement

FLOOD PROTECTION LEVEL

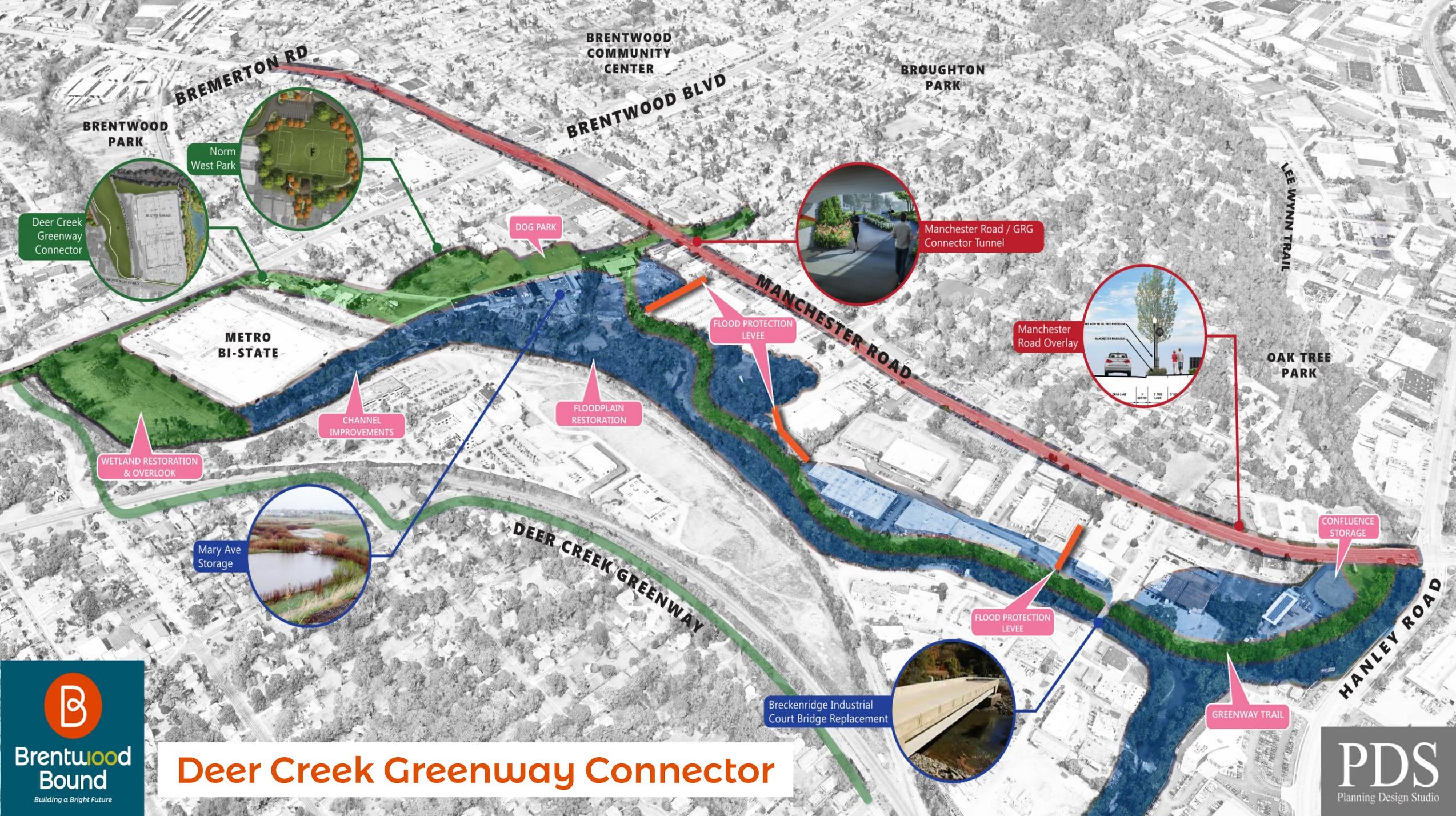
Manchester Road / GRG Connector Tunnel



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Manchester Road Improvements

PDS
Planning Design Studio



BREMERTON RD

BRENTWOOD BLVD

MANCHESTER ROAD

HANLEY ROAD

BRENTWOOD PARK

BRENTWOOD COMMUNITY CENTER

BROUGHTON PARK

LEE WYNN TRAIL

OAK TREE PARK

Norm West Park

Deer Creek Greenway Connector

DOG PARK

Manchester Road / GRG Connector Tunnel

Manchester Road Overlay

METRO BI-STATE

FLOOD PROTECTION LEVEL

CHANNEL IMPROVEMENTS

FLOODPLAIN RESTORATION

WETLAND RESTORATION & OVERLOOK

CONFLUENCE STORAGE

Mary Ave Storage

DEER CREEK GREENWAY

FLOOD PROTECTION LEVEL

Breckenridge Industrial Court Bridge Replacement

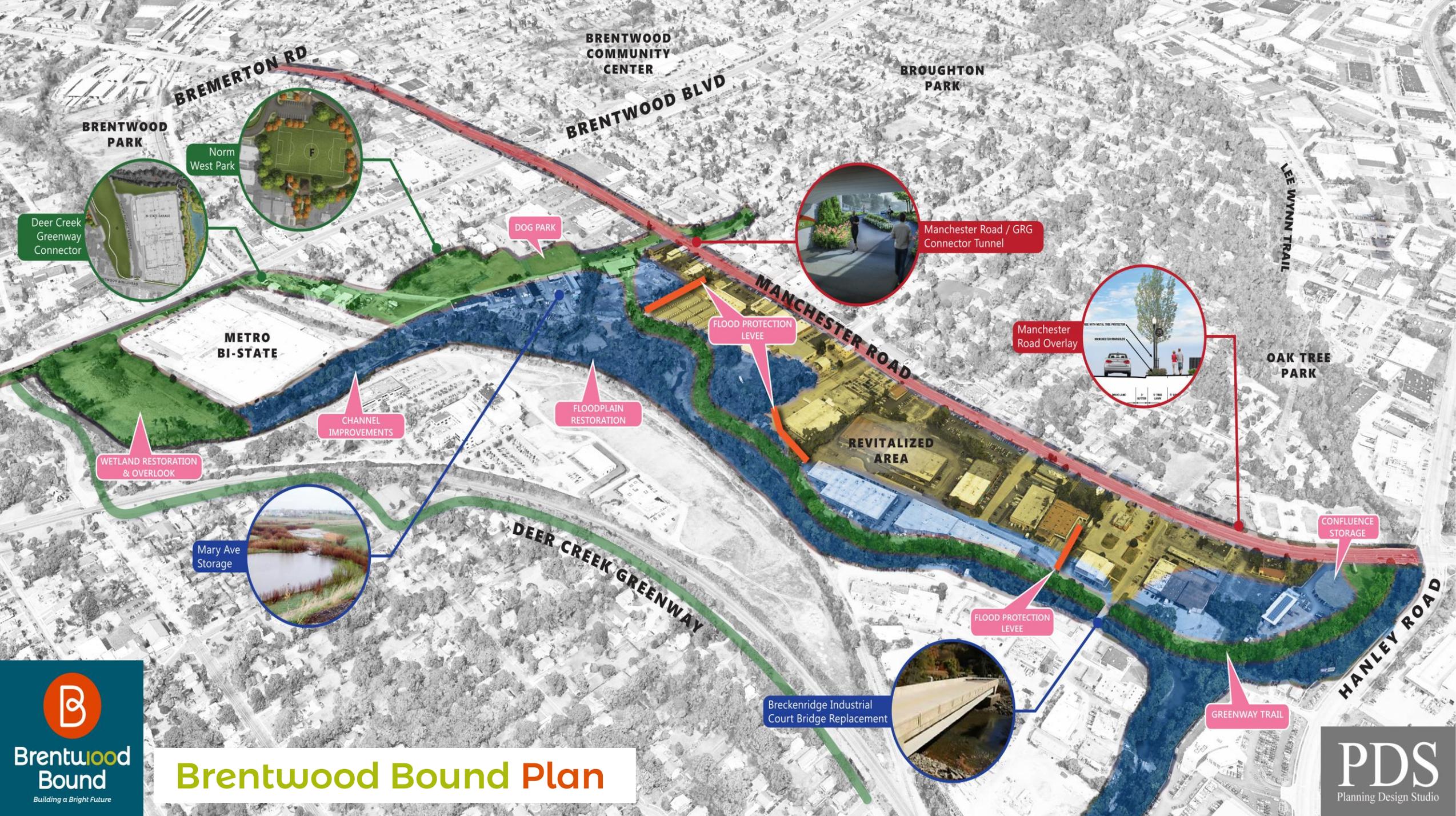
GREENWAY TRAIL



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Deer Creek Greenway Connector

PDS
Planning Design Studio



Brentwood Bound Plan



Flood Mitigation Parks and Trails *Before*



Flood Mitigation Parks and Trails *After*



Flood Mitigation Parks and Trails *After*



Flood Mitigation Parks and Trails *Before*



**Flood Mitigation
Parks and Trails
After**



Flood Mitigation Parks and Trails *After*



Wetland
Parks and Trails
Before



Wetland Parks and Trails *After*



Wetland Parks and Trails *After*



Deer Creek Greenway Connector *Before*



Deer Creek Greenway Connector *After*



Deer Creek
Greenway
Connector
After



Now is the Time to Act

Brentwood financially well positioned due to its robust sales tax base

- We are currently reaping the dividends of previous investments in our City. We should re-invest them in our City's future.

MoDOT Project on Manchester will provide opportunities that may not come again

- This may be our only chance to provide safe, walkable/bikeable access to the area south of Manchester Road.

Opportunity to bring citizens the benefits of walkable/bikeable connection to Great Rivers Greenway many years sooner than might be possible otherwise.

- GRG has already invested in the conceptual plan for the Rogers Parkway to Deer Creek Parkway connector, but funding and construction may be many years off without our participation.

If we act now, the Brentwood Bound can be the engine of Brentwood's growth and community development for the next 25 years

- We can attract the next generation of businesses and residents by providing the location and amenities they value.

Get involved! Spread the word!

Visit

BrentwoodBound.org

Email

BrentwoodBound@brentwoodmo.org

Call

314.963.8673



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