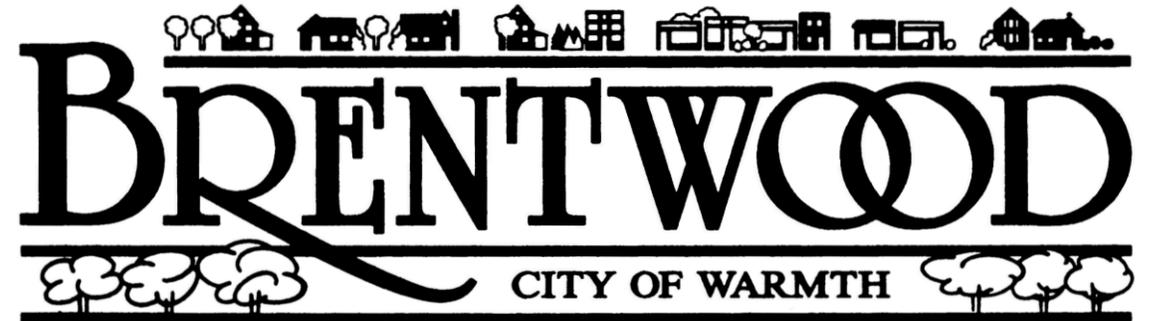


Manchester Renewal

Brentwood Redevelopment Corporation

5/22/18



Agenda

- Deer Creek Flood Mitigation
- GRG Connector
- Manchester Road Improvements

Deer Creek Flood Mitigation Project

- Revitalize a “blighted area”
 - Reduce city’s operating costs
 - Increases city’s taxable revenue
 - Improves city image/ brand
- Reduce Flood Properties
 - Reduce 60 acres to 27 acres that are in the 100 year floodplain
 - 27 acres remain as floodplain to adequately handle anticipated storm water volume
 - Most of the property removed from the floodplain (including 10 residential properties) is along the Manchester Road corridor. Most of the property remaining in the floodplain is adjacent to Deer Creek or in retention areas.
 - Creates opportunity for (re)development of the entire Manchester Rd corridor in Brentwood.
 - Opportunity for unique renewed urban creek area in St. Louis.
 - Public safety

Historic Flooding

June 1957 (4.74" in 15 hrs)

April 1970

April 1973

July 1978

April 1979 (4.90" in 20 hrs)

September 1980

June 1981

July 1982

September 1986

July 1991

August 1993

September 1993

May 1995



Flooding in Brentwood, Mo. (Photo credit: Scott Thomas/KMOV)



Flooding in Brentwood, Mo. (Photo credit: Scott Thomas/KMOV)

June 2000

June 2003

May 2004

July 2004

May 2005

May 2008

**September 2008
(Tropical Depression Ike)**

June 2011

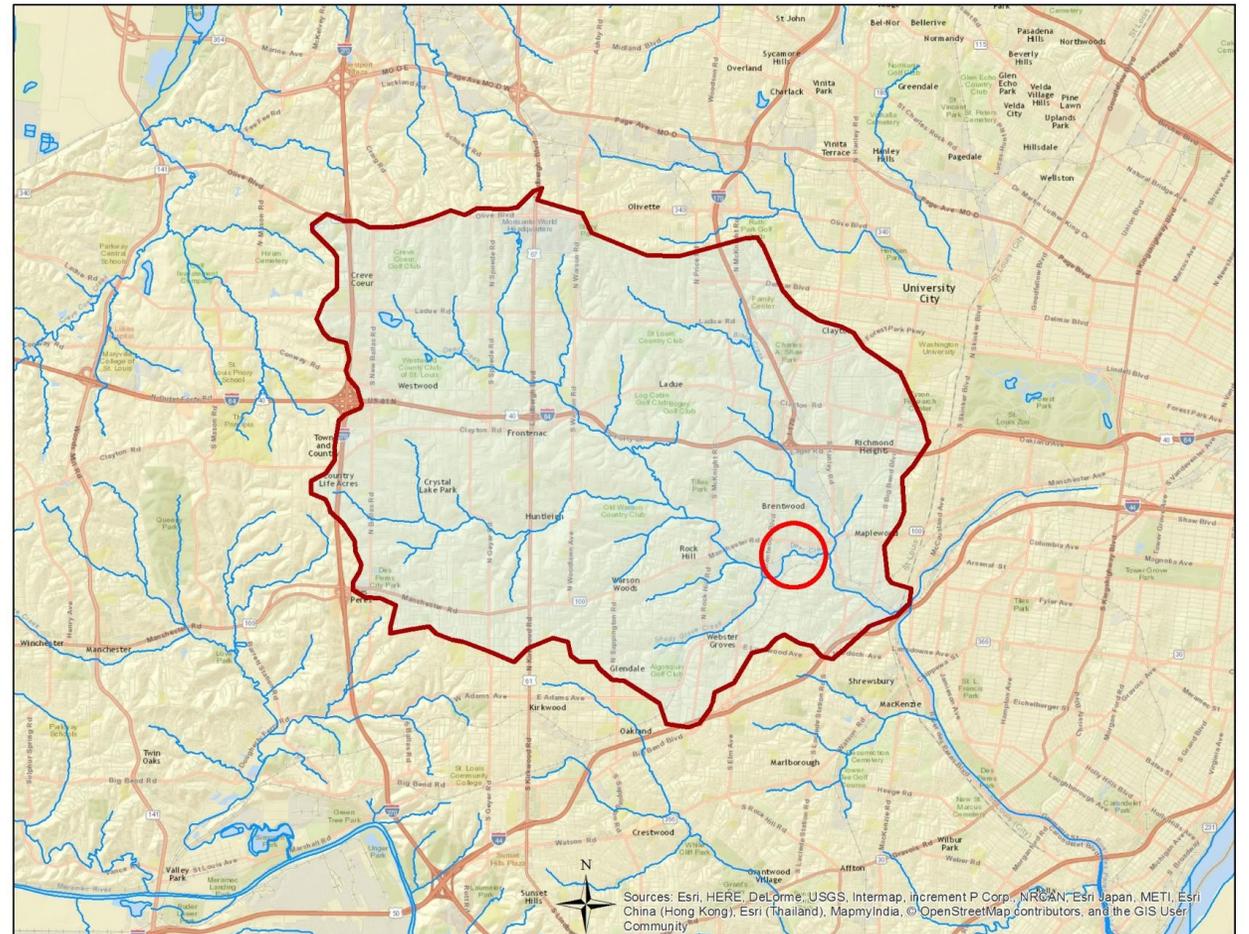
June 2013

December 2015

August 2016

Cause of Flooding

- Contributing Watershed
 - ~37 square miles
 - All or part of 22 municipalities



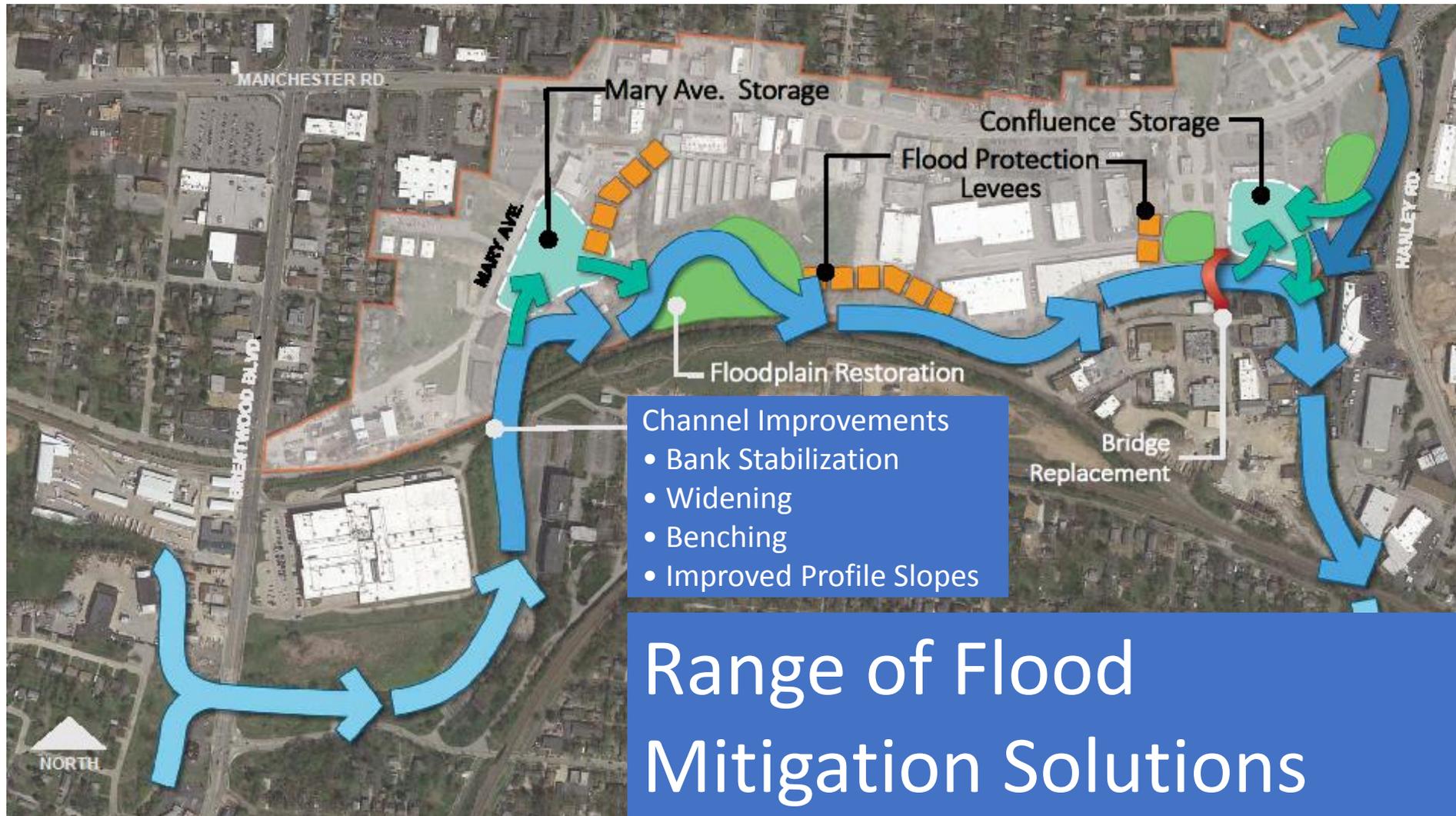
Existing Floodplain



Effect of Flood Mitigation Solution



Flood Mitigation Solutions



Channel Improvements

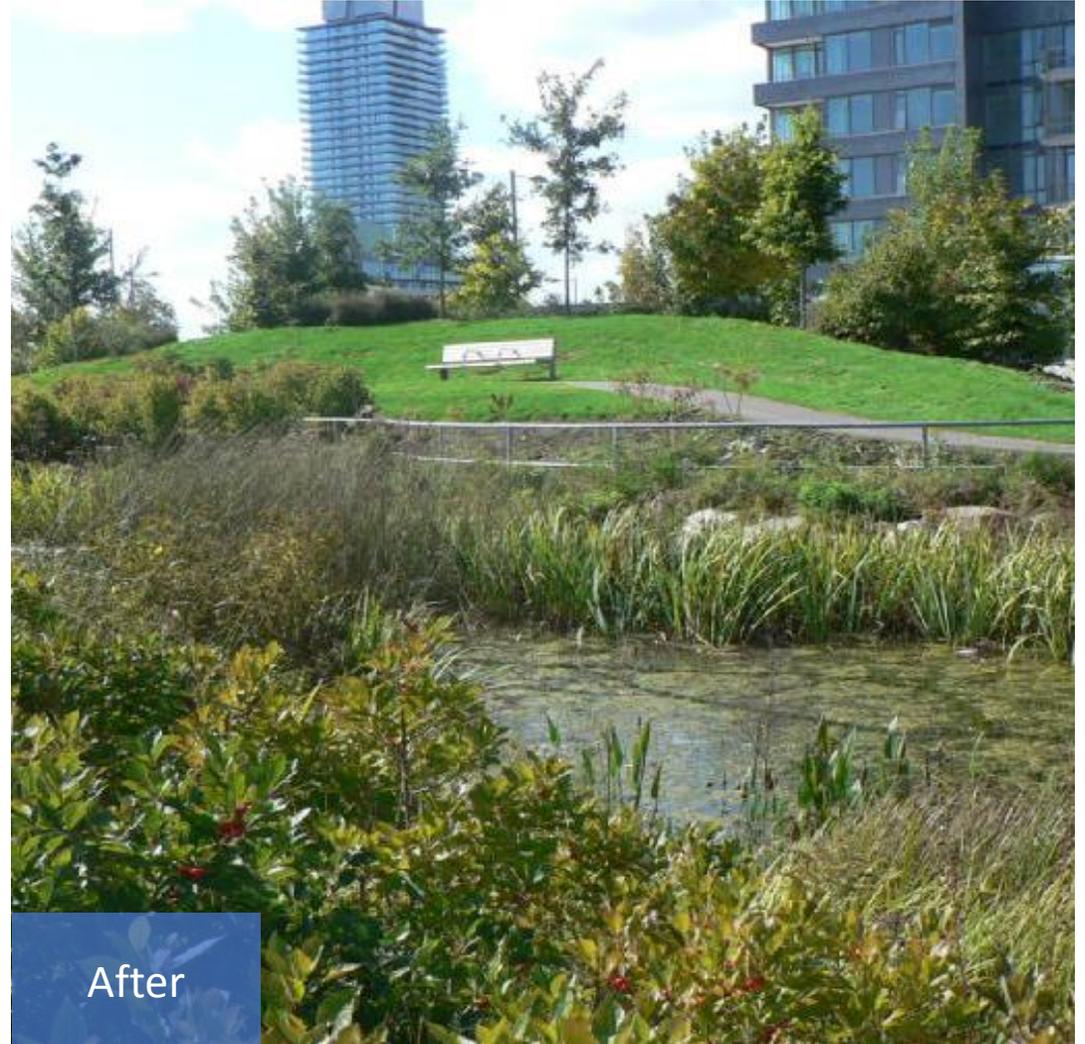
- Bank Stabilization
- Widening
- Benching
- Improved Profile Slopes



Storage Areas



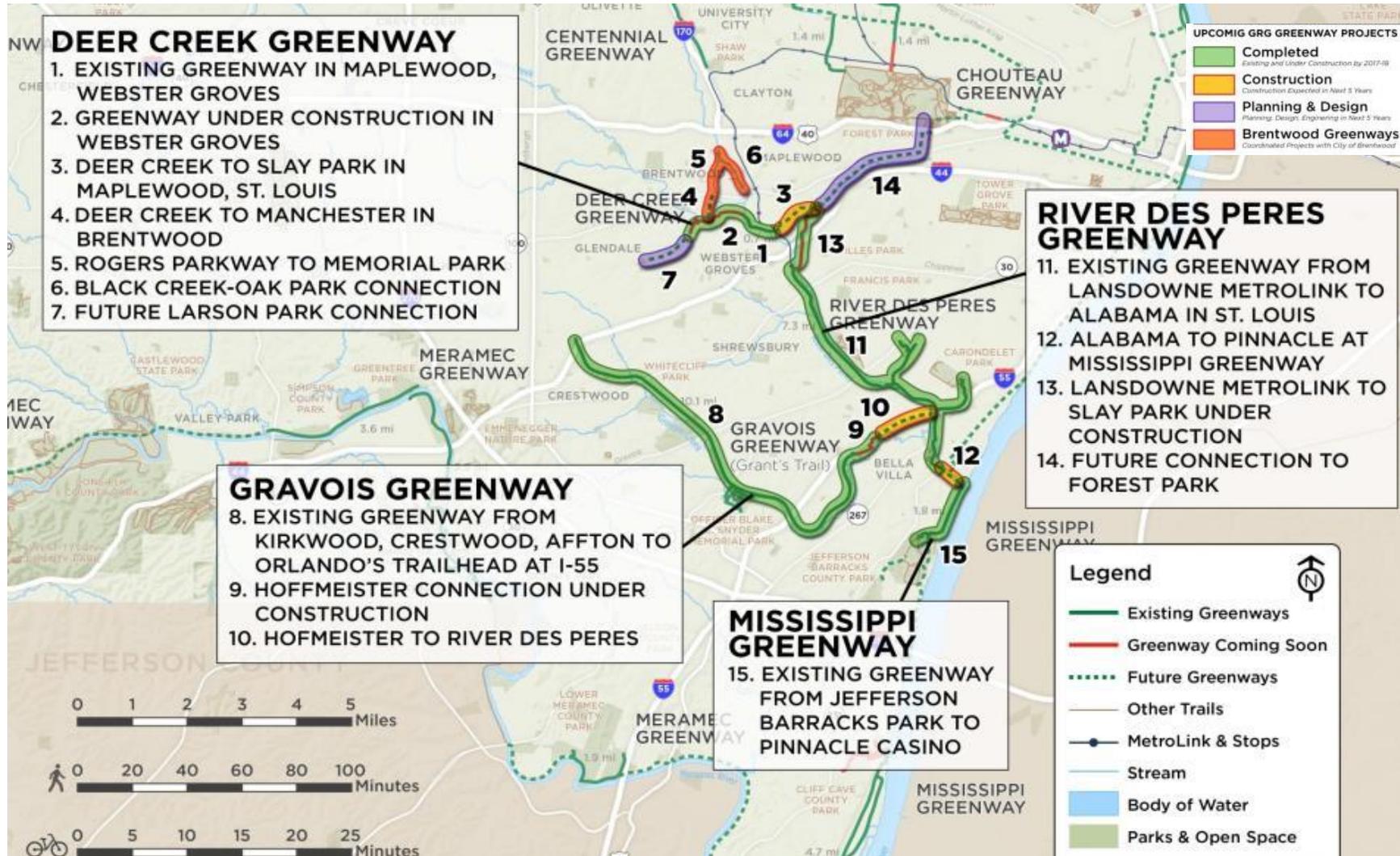
Flood Protection Levee



Great Rivers Greenway (GRG) Connector

- Trail connection from Roger's Parkway, North of Manchester to the GRG Deer Creek Project
- Trailhead with parking
- Additional parking for Norm West Park
- Greenway linking 6 parks

Connections to GRG Trail Systems



GRG Connector Trail Alignment



DEER CREEK TO ROGERS PARKWAY - FEASIBILITY STUDY - RECOMMENDED ALIGNMENT

Trailhead Parking & Plaza



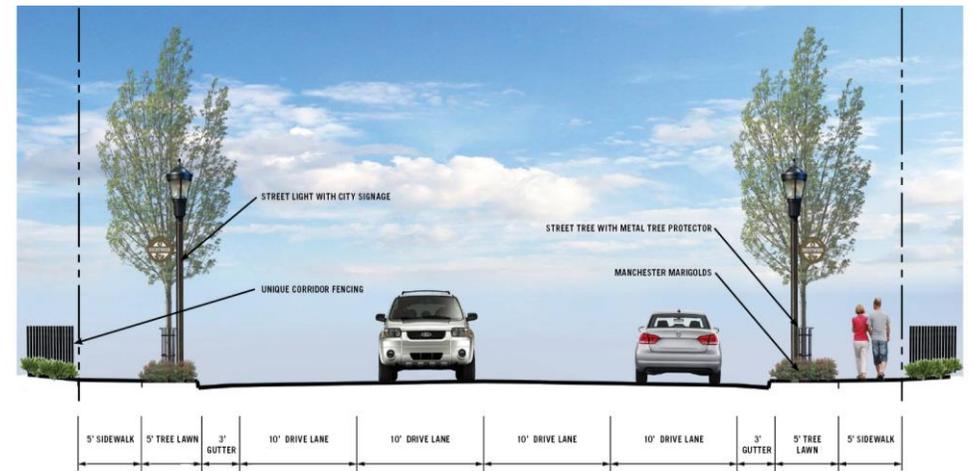
Trails



Manchester Road Enhancements

Enhance the Manchester Corridor between Hanley and Bremerton

- MODOT Enhancements
 - Mill and overlay pavement
 - Improve drainage along the corridor
 - Manchester Rd bridge replacement near Hanley Rd
 - Sidewalk and ADA improvements
 - Traffic signal upgrades
- Brentwood Enhancements
 - Pedestrian tunnel
 - Monument signage
 - Decorative street signage
 - Decorative lighting
 - Manchester Rd bridge enhancements near Hanley Rd
 - Pedestrian destinations
 - Accessible 6" curbs & 5' sidewalks on both sides



Cross Section Streetscape

Monument Signage



MANCHESTER ROAD CORRIDOR PLAN

Hanley Road - Perspective View



Tunnel Beneath Manchester Road



Questions and Comments?