

TEAM

LORD AECK SARGENT





















URBAN DESIGN & PLANNING

NEIGHBORHOODS & DISTRICTS STREETS & PARKS BUILDINGS & SITES CORRIDORS & CENTERS

ARCHITECTURE

HISTORIC PRESERVATION MIXED-USE SUSTAINABILITY

ECOLOGICAL DESIGN

BROWNFIELD & WETLAND HABITAT RESTORATION PUBLIC PARKS WATERFRONTS

ENVIRONMENTAL

BROWNFIELD REDEVELOPMENT SOIL & GROUNDWATER ENVIRONMENTAL COMPLIANCE

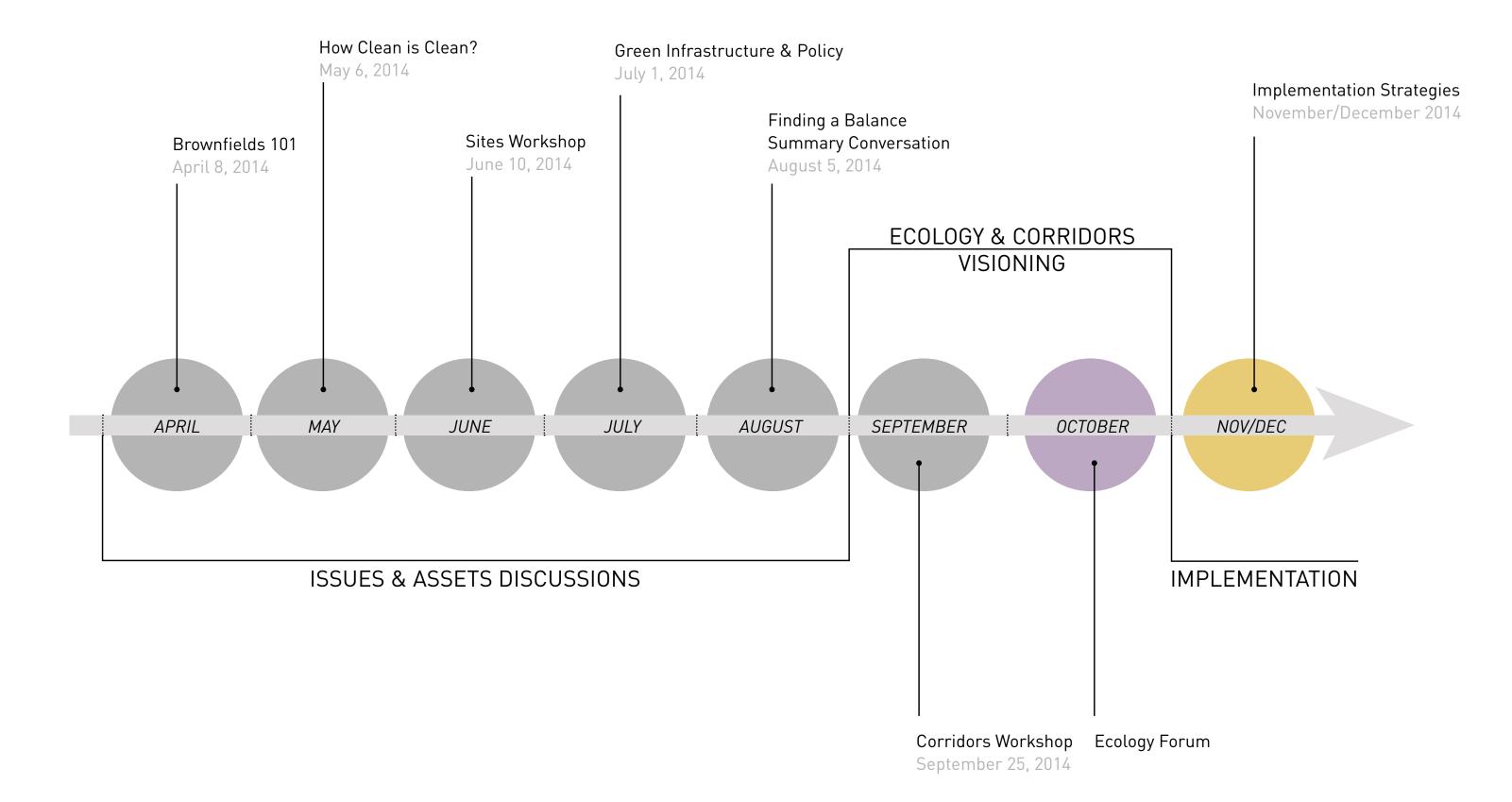
ECONOMIC DEVELOPMENT

DEVELOPMENT PLANNING BROWNFIELD RE-USE ECONOMIC FEASIBILITY

ENGINEERING

TRANSPORTATION & WATER RESOURCE INFRASTRUCTURE

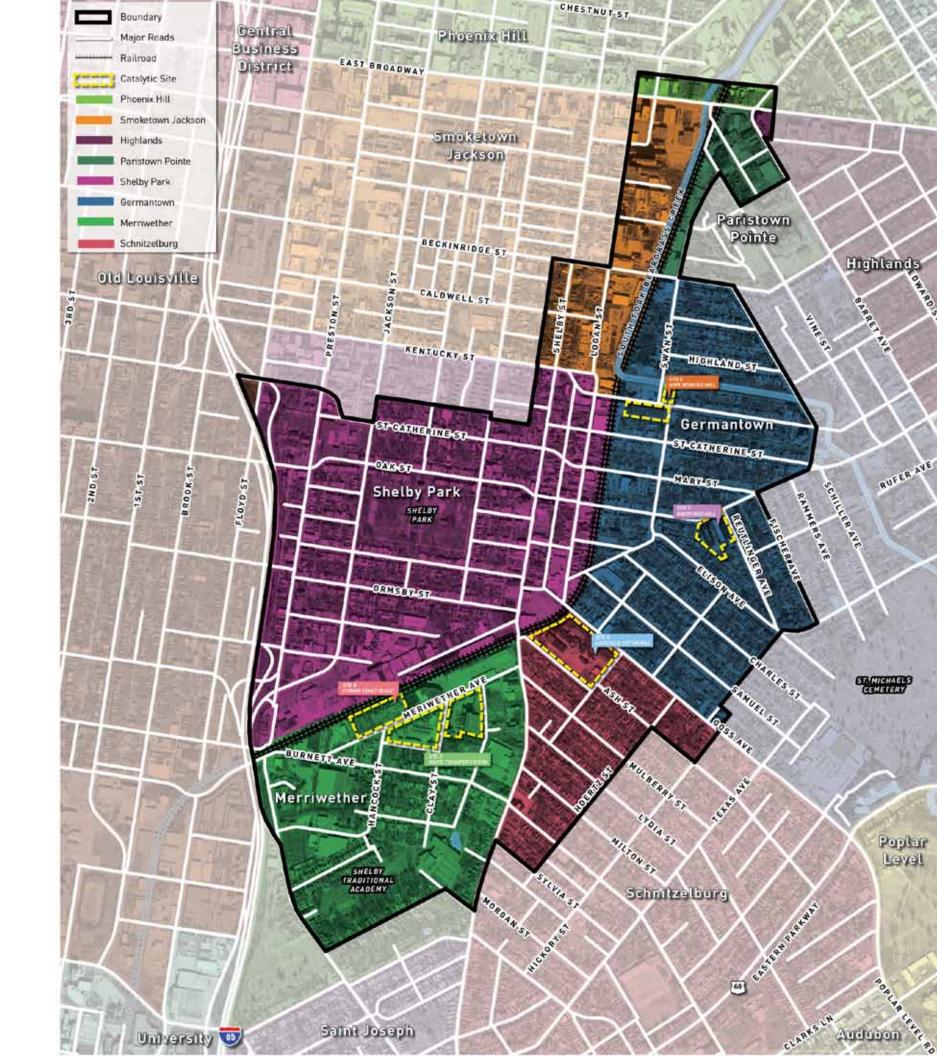
PROCESS



STUDY AREA

A CONFLUENCE OF NEIGHBORHOODS

- GERMANTOWN
- SHELBY PARK
- MERRIWETHER
- SCHNITZELBURG
- PARISTOWN POINTE
- HIGHLANDS
- PHOENIX HILL
- SMOKETOWN



COMMUNITY CONVERSATION RECAP



- 1. BROWNFIELDS 101
- 2. HOW CLEAN IS CLEAN?
- 3. SITES WORKSHOP
- 4. GREEN INFRASTRUCTURE
- **5. SUMMARY CONVERSATION**

RECAP











ASSETS



SERVICE

• MUSIC

•BAR

• CONSTRUCTION

• LANDSCAPE

• RESTAURANT





RETAIL:

- CONVENIENCE STORE BANK
- CLOTHING STORE
- GYM
- BOOK STORE
- COSMETICS
- CAR REPAIR
- GROCERY STORE
- LIQUOR STORE
- MEDICAL EQUIPMENT
- HOUSEWARES

OPEN SPACE:

- PARK/OPEN SPACE
- COMMUNITY SPACE

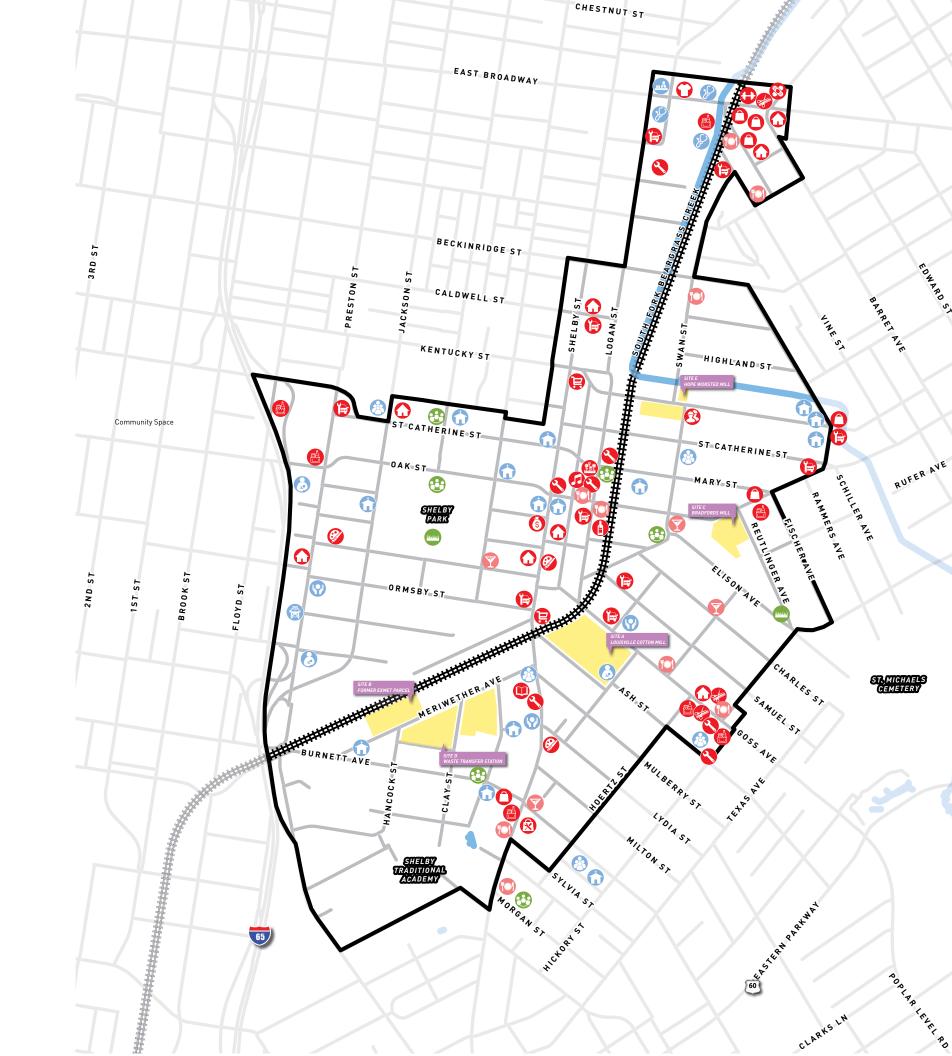
INSTITUTION:

- OFFICE
- CLINIC
- RELIGIOUS INSTITUTION
- FIRE STATION
- DAY CARE
- VOLUNTEER
- COMUNITY ASSOCIATION

ASSETS

IDENTIFIED KEY ASSETS AND SERVICES:

- RETAIL
- DINING & DRINKS
- OPEN SPACE
- INSITUTIONS

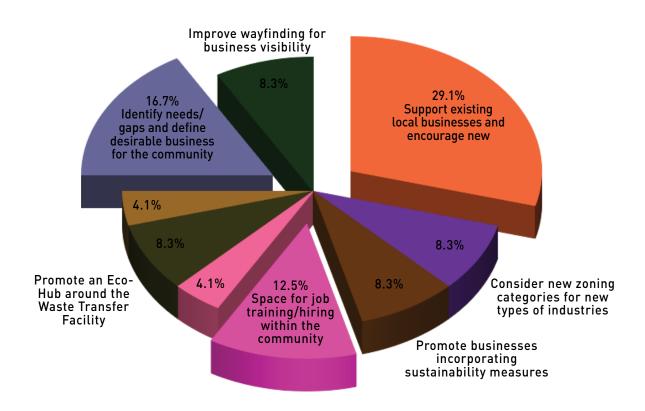


RECAP: ISSUES MATRIX

IDENTIFY PRIORITY ISSUES & OPPORTUNITIES IN 5 KEY AREAS:

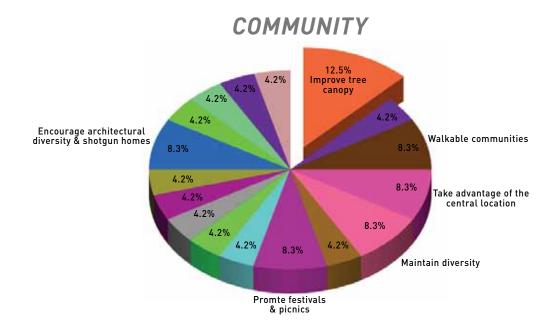
- EMPLOYMENT & ECONOMIC DEVELOPMENT
- COMMUNITY
- CORRIDORS/STREETS
- BROWNFIELD REDEVELOPMENT
- HEALTH & SAFETY

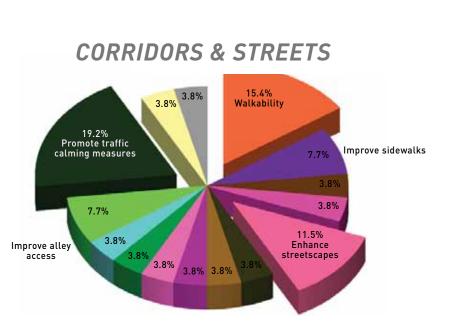
EMPLOYMENT & ECONOMIC DEVELOPMENT

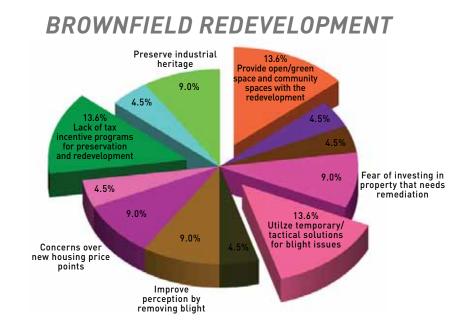


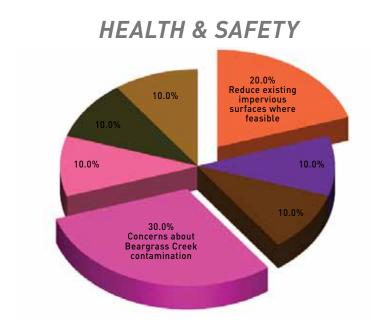
- SUPPORT EXISTING LOCAL BUSINESSES & ENCOURAGE NEW
- IDENTIFY NEEDS/GAPS AND DEFINE
 DESIRABLE BUSINESS FOR THE COMMUNITY
- SPACE FOR JOB TRAINING/HIRING WITHIN THE COMMUNITY
- CONSIDER NEW ZONING CATEGORIES FOR NEW TYPES OF INDUSTRIES
- PROMOTE BUSINESSES INCORPORATING SUSTAINABILITY MEASURES
- IMPROVE WAYFINDING FOR BUSINESS VISIBILITY

RECAP







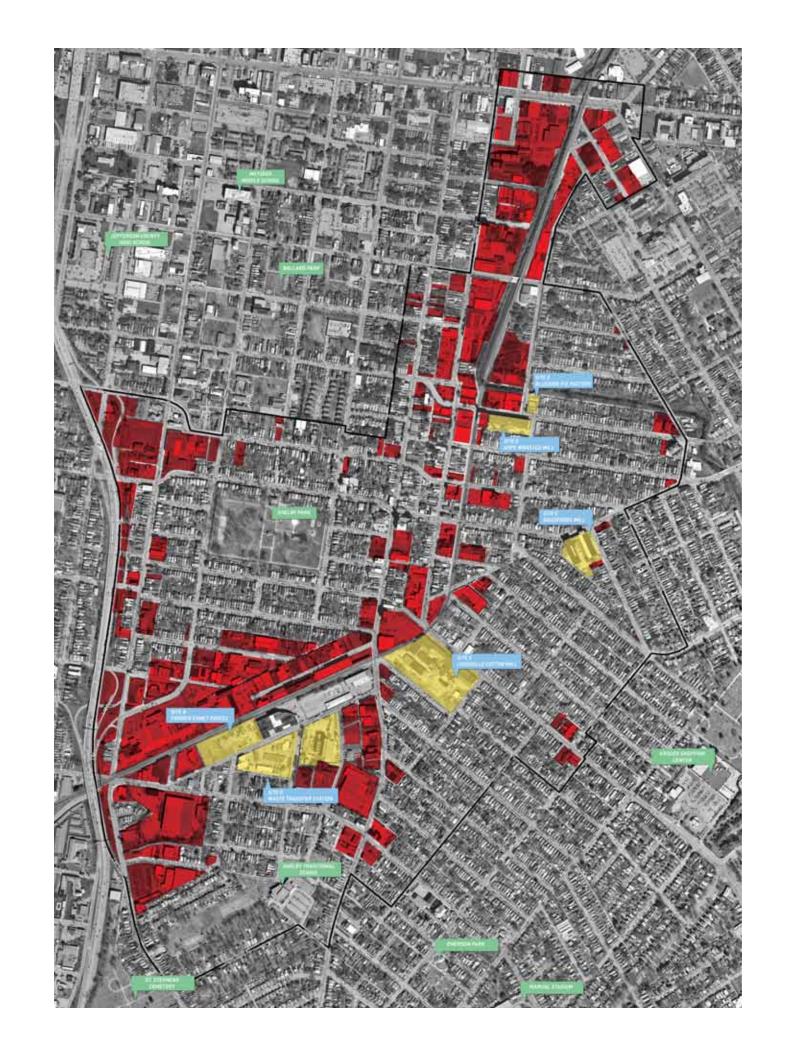


- IMPROVE TREE CANOPY
- WALKABLE COMMUNITY
- TAKE ADVANTAGE OF CENTRAL LOCATION
- MAINTAIN DIVERSITY
- PROMOTE FESTIVALS & PICNICS
- PROMOTING TRAFFIC CALMING
- WALKABILITY
- ENHANCE STREETSCAPES
- IMPROVE SIDEWALKS
- PROVIDE OPEN/GREEN SPACE WITHIN REDEVELOPMENT
- LACK OF TAX INCENTIVE PROGRAMS FOR PRESERVATION & REDEVELOPMENT
- UTILIZE TEMPORARY/TACTICAL SOLU-TIONS FOR BLIGHT ISSUES
- FEAR OF INVESTING IN PROPERTY THAT NEEDS REMIDIATION
- REDUCE EXISTING IMPERVIOUS SURFACES WHERE FEASIBLE
- CONCERNS ABOUT BEARGRASS CREEK CONTAMINATION

RECAP: OPPORTUNITY EXERCISE

Recent Opportuntiy Projects

- 3-Points Beautification Project
- MSD Basin Implementation
- Bike Infrastructure on Breckenridge & Kentucky Streets



RECAP: OPPORTUNITY EXERCISE

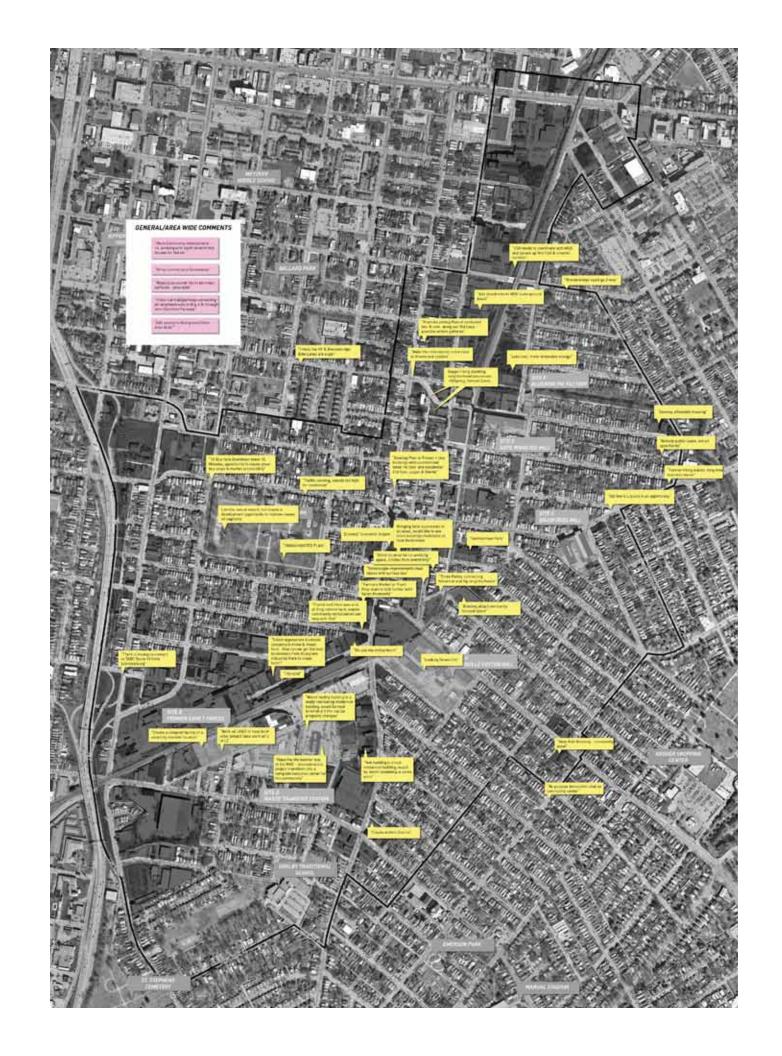
"Breckenridge could go two-way"

"Germantown Park"

"Traffic calming, speeds too high for residential"

"Make the Meriwether site of the WRC - deconstruction project transform into a complete reduction center for this community"

"Create a compost facility or a recycling transfer location"

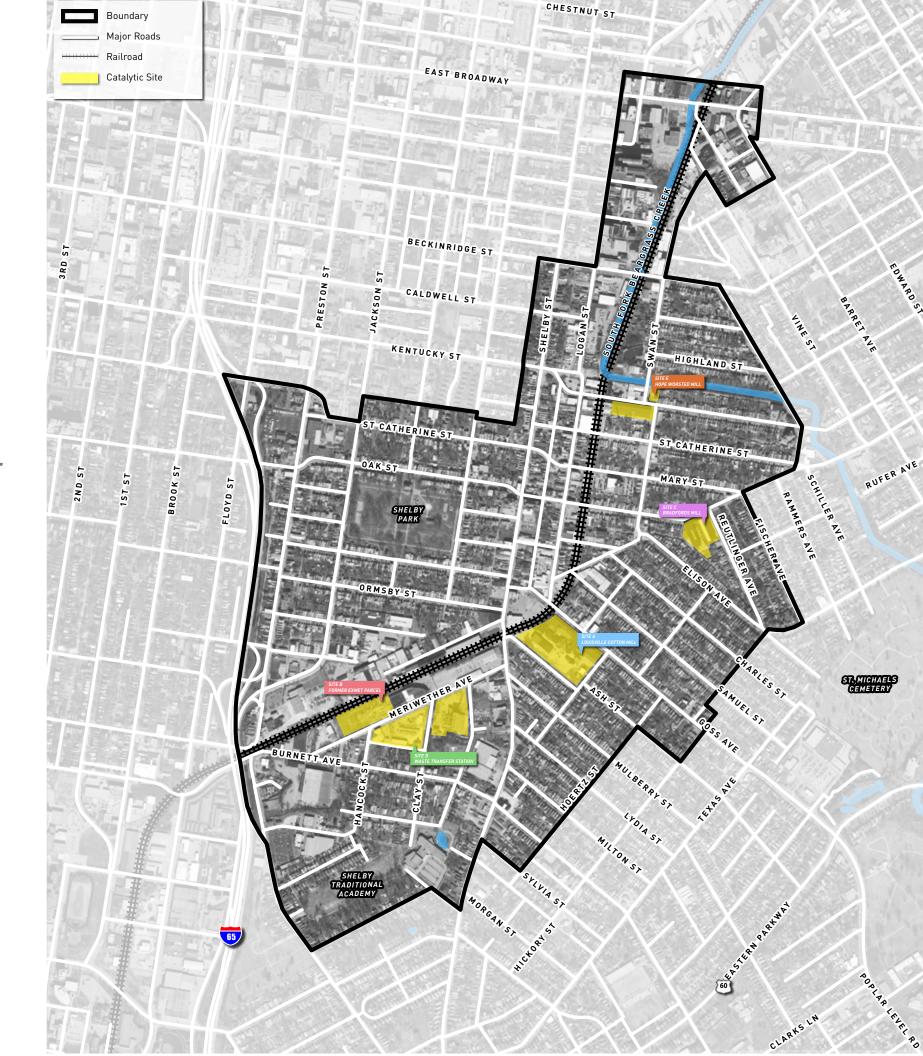




STUDY AREA

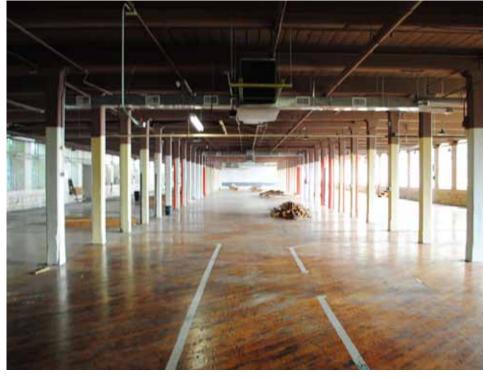
652 ACRES:

- LOCATED EAST OF I-65 ALONG THE "SHORT-LINE RAIL CORRIDOR
- LONG HISTORY OF INDUSTRY THAT IS EVIDENT THROUGH CURRENT BUSINESSES AND ARTIFACTS
- TIGHTLY KNIT NEIGHBORHOOD FABRIC
- 5 IDENTIFIED CATALYTIC SITES [YELLOW]



LOUISVILLE COTTON MILL





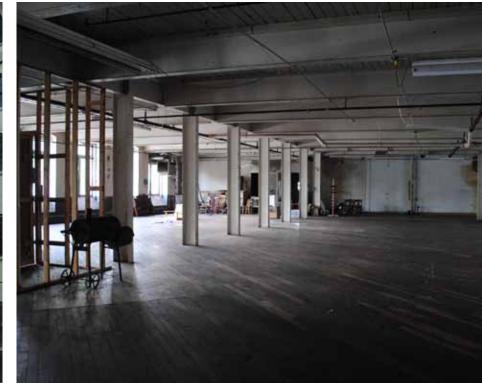
HOPE WORSTED MILL & BLUEBIRD PIE FACTORY





BRADFORD MILL





WASTE TRANSFER & EXMET





LAND USE

HIGHLY RESIDENTIAL AND INDUSTRIAL, PERCENT OF TOTAL LAND AREA

• SINGLE-FAMILY: 34.1%

• [RIGHT-OF-WAY: 27%]

• INDUSTRY: 13.5%

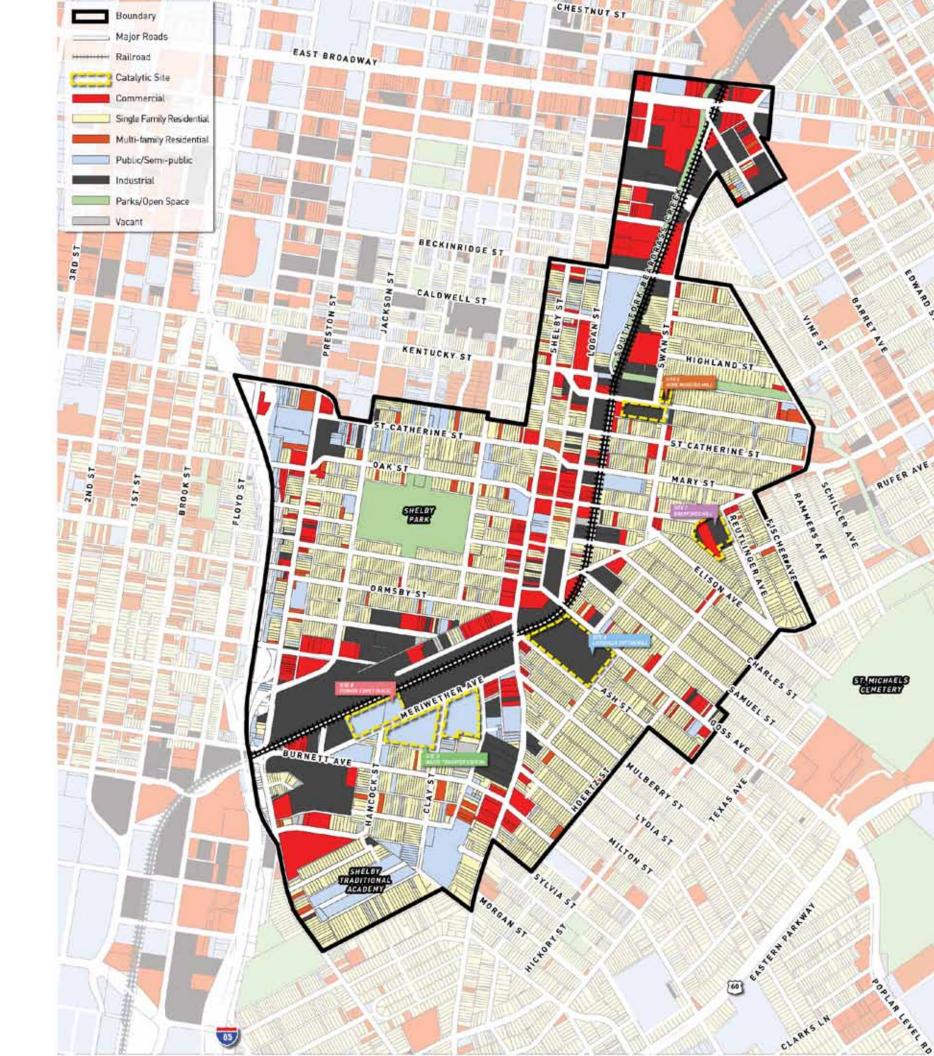
• COMMERCIAL: 9.9%

• PUBLIC & SEMI-PUBLIC: 8.6%

• PARKS & OPEN SPACE: 3.6%

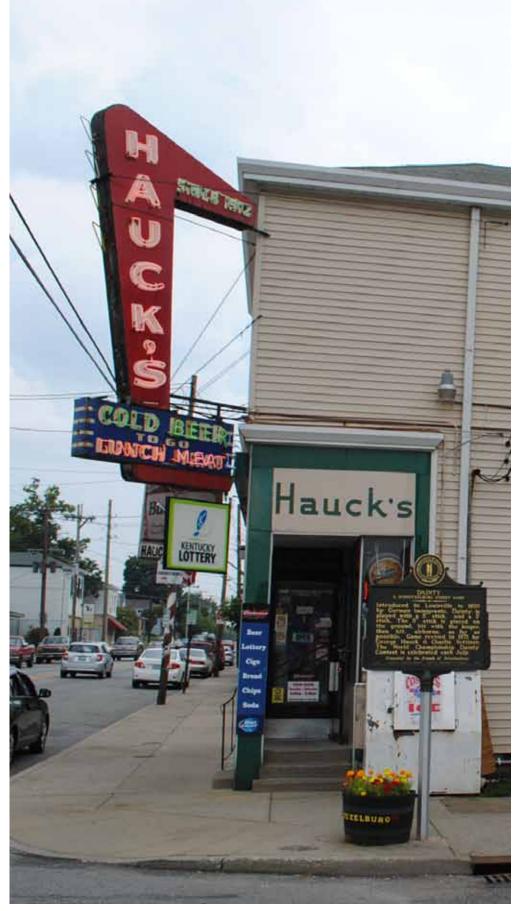
• VACANT: 1.7%

• MULTI-FAMILY: 1.6%







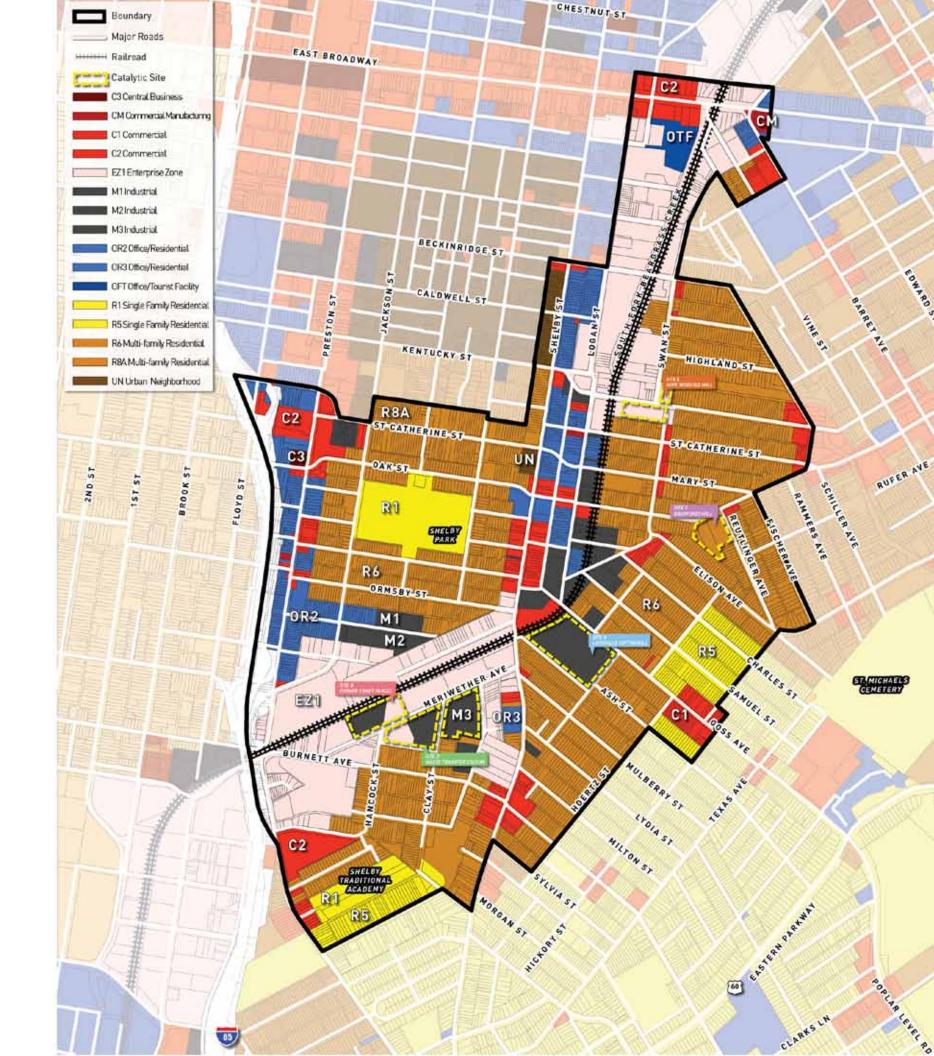


SINGLE FAMILY INDUSTRIAL COMMERCIAL

ZONING

ZONED FOR INCREASED DENSITY & ENTERPRISE:

- **MULTI-FAMILY:** 44.3%
 - R6, R7, R8A
- ENTERPRISE ZONE: 20.7%
 - EZ1
- COMMERCIAL: 9.33%
 - C1, C2, C3
- SINGLE-FAMILY: 7.8%
 - R1, R5
- INDUSTRIAL: 7%
 - M1, M2, M3, CM
- **OFFICE:** 8%
 - OR2, OR3, OTF



FORM DISTRICTS

TRADITIONAL NEIGHBORHOOD FOCUS:

• TRADITIONAL NEIGHBORHOOD: 77.1%

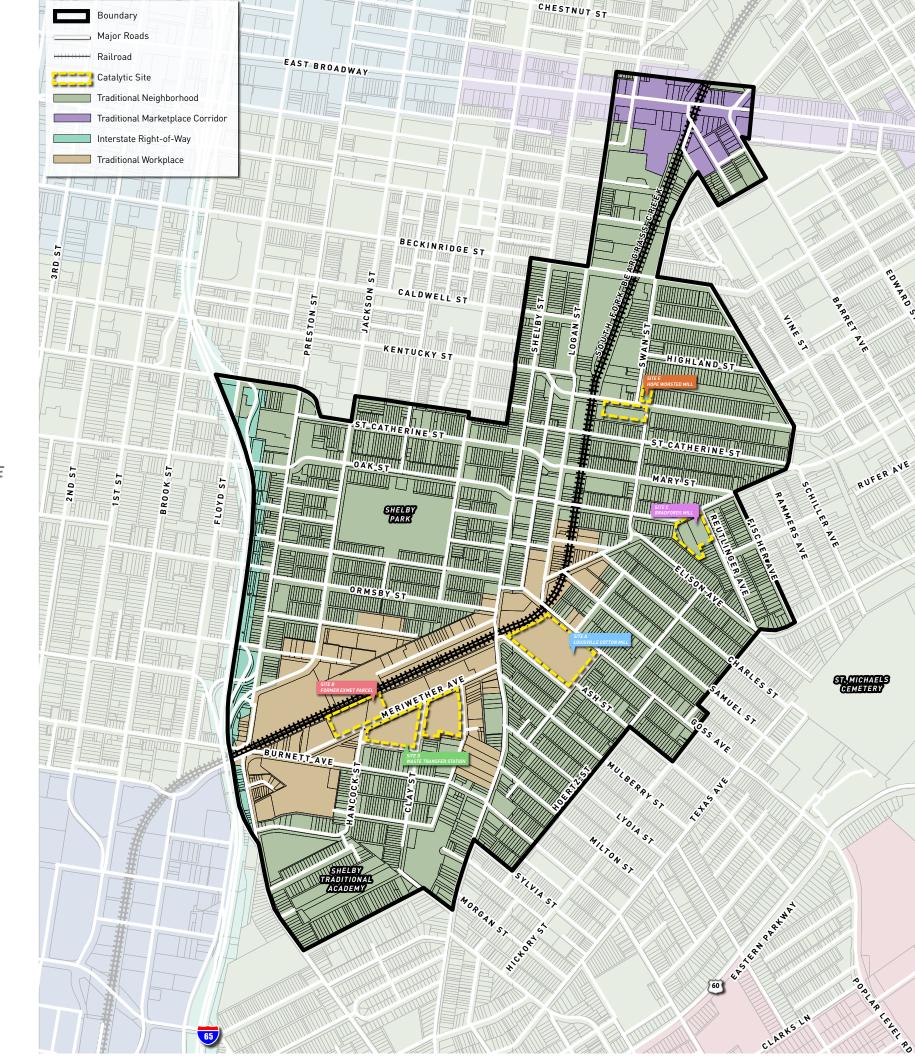
- INTENDED TO PROMOTE THE ESTABLISHMENT OF A MIXTURE OF USES THAT EFFECTIVELY INTEGRATE RETAIL, OFFICE, INSITUTIONAL, AND OTHER NON-RESIDENTIAL USES WITHIN TRADITIONAL NEIGHBORHOODS IN A MANNER THAT PROVIDES HIGH QUALITY AND CONVENIENT SERVICE TO RESIDENTS WHILE PROTECTING THE CHARACTER OF THE NEIGHBORHOOD

• TRADITIONAL WORKPLACE: 17.2%

- COMPATIBILITY WITH ADJACENT FORM DISTRICTS AND NON-WORKPLACE USES:
- ADEQUATE ACCESS FOR EMPLOYEES, FREIGHT, AND PRODUCTS;
- ALTERNATIVE MODES OF TRAVEL:
- HIGH QUALITY DESIGN OF INDIVIDUAL AND INTEGRATED SITES;
- A MIXTURE OF USES ON A SITE ESPECIALLY EMPLOYEE-SERVING COMMERCIAL BUSINESSES (E.G., DAY CARE CENTERS, AUTO-SERVICING, DRY CLEANERS AND RESTAURANTS).

• TRADITIONAL MARKETPLACE CORRIDOR: 3.5%

- DEVELOPMENT THAT REINFORCES THE CORRIDOR'S TRADITIONAL VISUAL CHARACTER, FUNCTION, AND IDENTITY;
- ALTERNATIVE MODES OF TRAVEL:
- LINKAGES BETWEEN COMMERCIAL DEVELOPMENT WITHIN THE CORRIDOR AND ADJACENT RESIDENTIAL USES;
- COMPATIBILITY BETWEEN CORRIDOR DEVELOPMENT AND ADJACENT NEIGHBORHOODS; AND
- HIGH QUALITY DESIGN OF INDIVIDUAL SITES.
- [INTERSTSTAE ROW 2.2%]

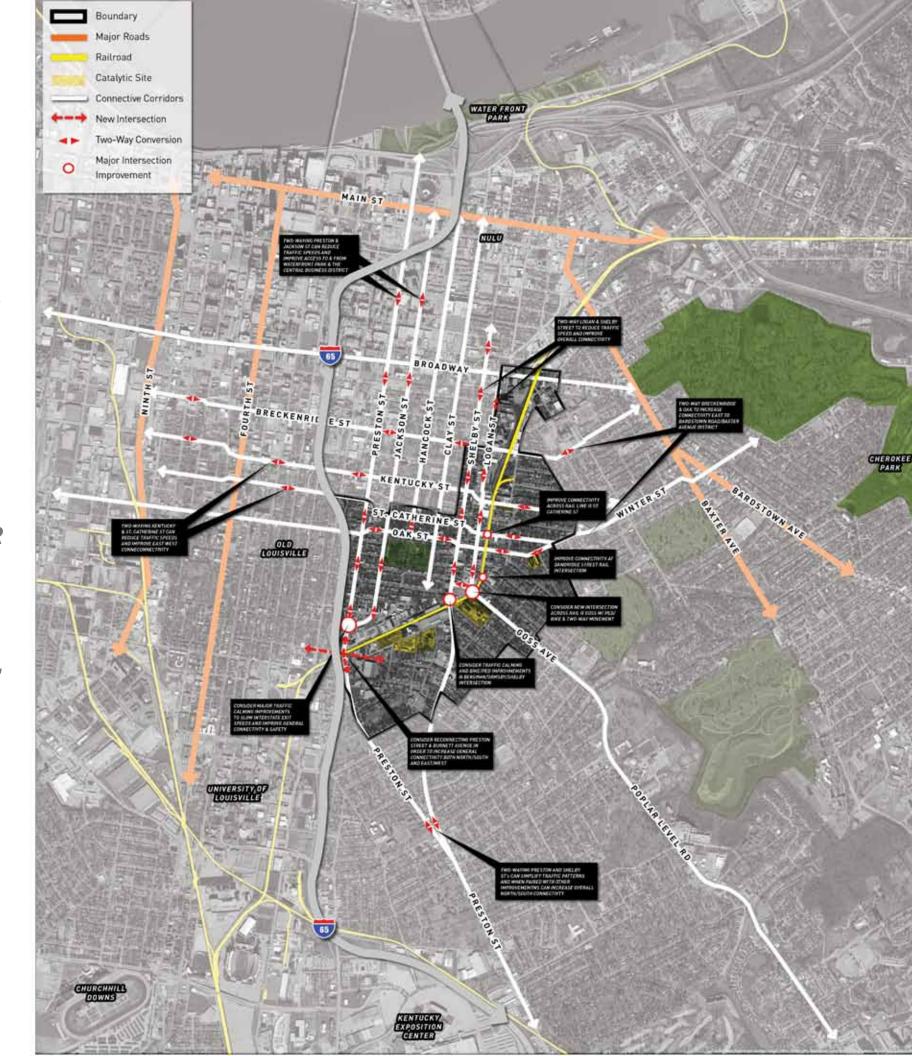




CONNECTIVITY

MAJOR CONECTIVITY & CIRCULATION ISSUES/ PRIORITIES:

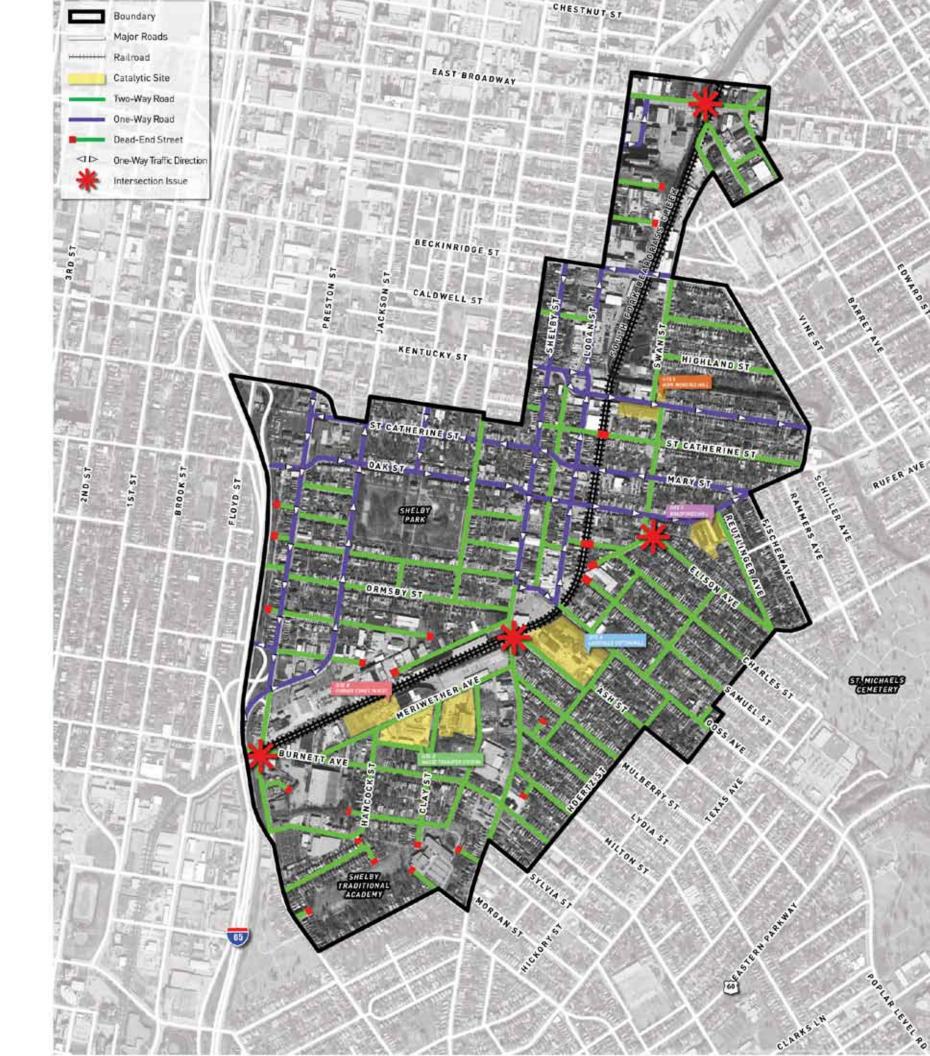
- MAJOR INTERSECTION IMPROVEMENTS, ESPECIALLY NEAR I-65 AND ALONG THE RAIL LINE
- CONSIDER TWO-WAY STREET CONVERSION FOR REDUCED TRAFFIC SPEEDS AND INCREASED WAYFINDING & CIRCULATION
- CREATE NEW CONNECTIONS WHERE POSSIBLE, VEHICULAR, BIKE & PEDESTRIAN



CIRCULATION

MAJOR CONNECTIVITY, WAYFINDING & SAFETY ISSUES:

- ONE-WAY CIRCULATION ISSUES
- DEADENDS & DISCONNECTS
- DIFFICULT TO TRAVERSE INTERSECTIONS
- COMPLICATIONS CREATED BY RAIL LINE









ONE-WAY CONFLICTS

DEAD ENDS

RAIL CONFLICT

OPEN SPACE

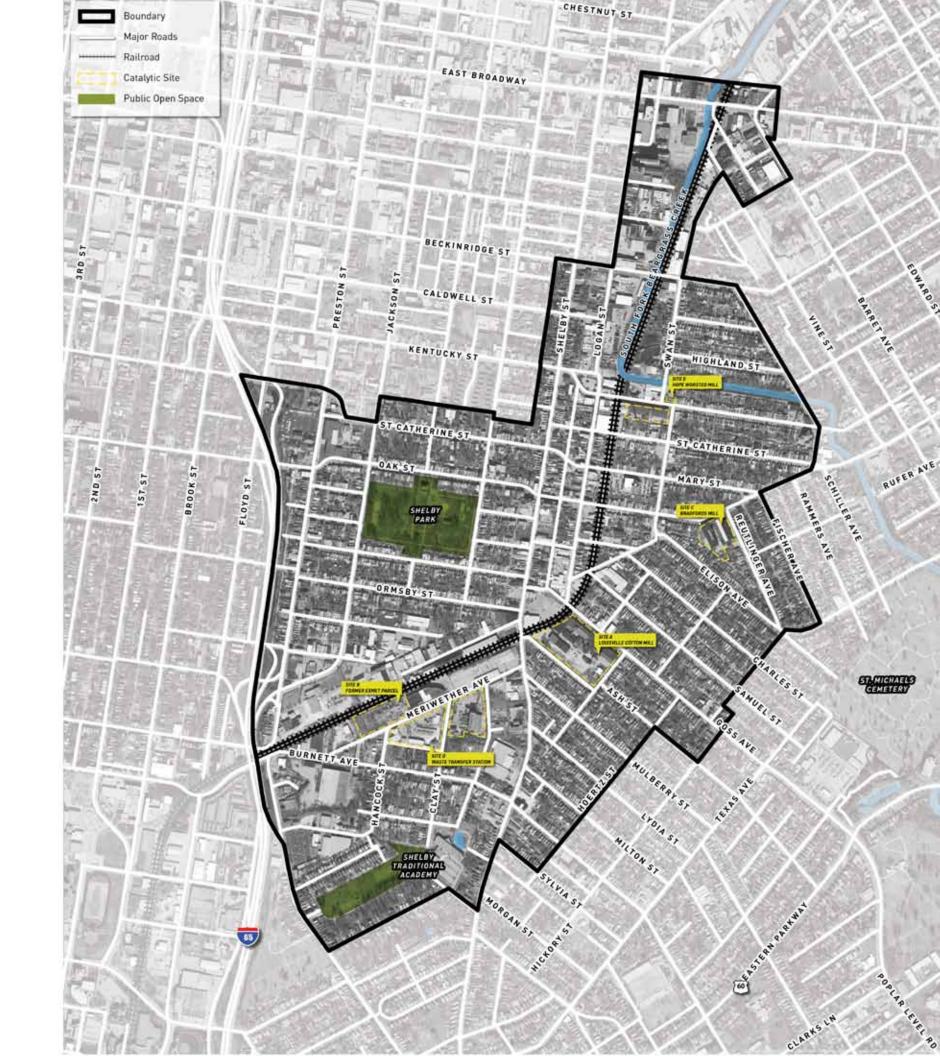
EXISTING OPEN SPACES:

• SHELBY PARK

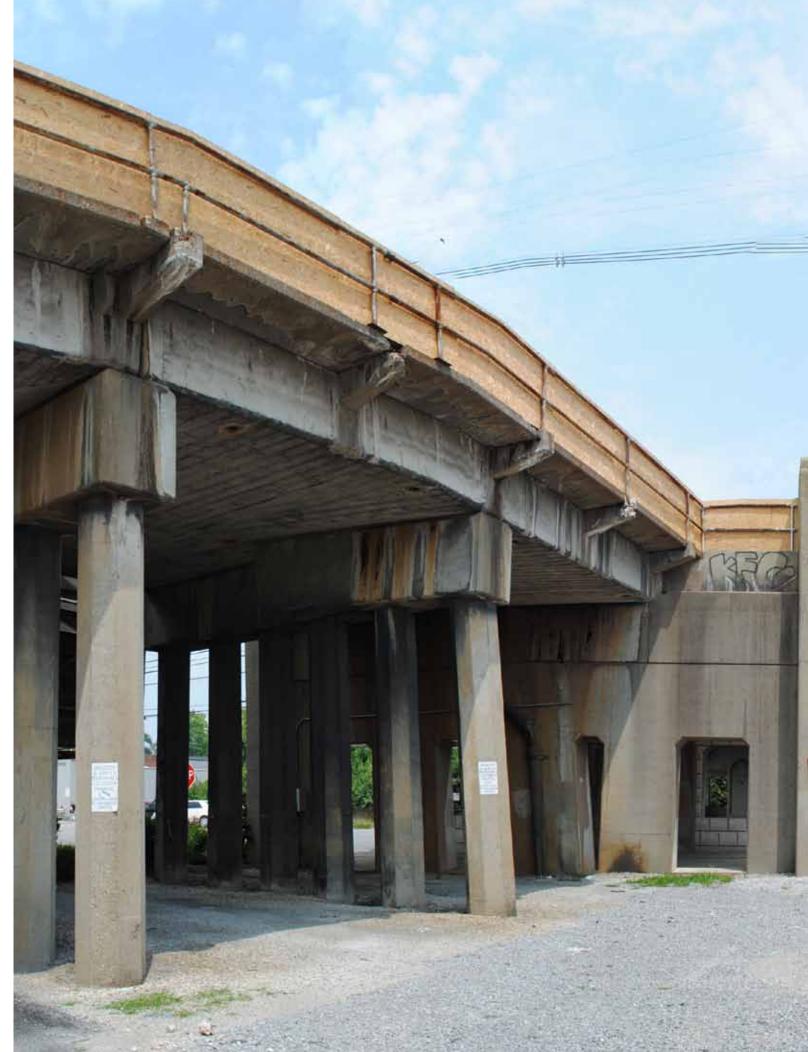
- 16 ACRES
- BASKETBALL COURTS
- TENNIS COURTS
- PLAYGROUND
- COMMUNITY CENTER
- OPEN AREAS
- COVERED GATHERING SPACE

• JCPS OPEN SPACE

- 8 ACRES
- BASKETBALL COURTS
- TRAILS
- OPEN AREA
- PLAY GROUND







INDUSTRY









MANUFACTURING

WAREHOUSE/TRANSPORTATION

MICRO INDUSTRY

OFFICE

INDUSTRY

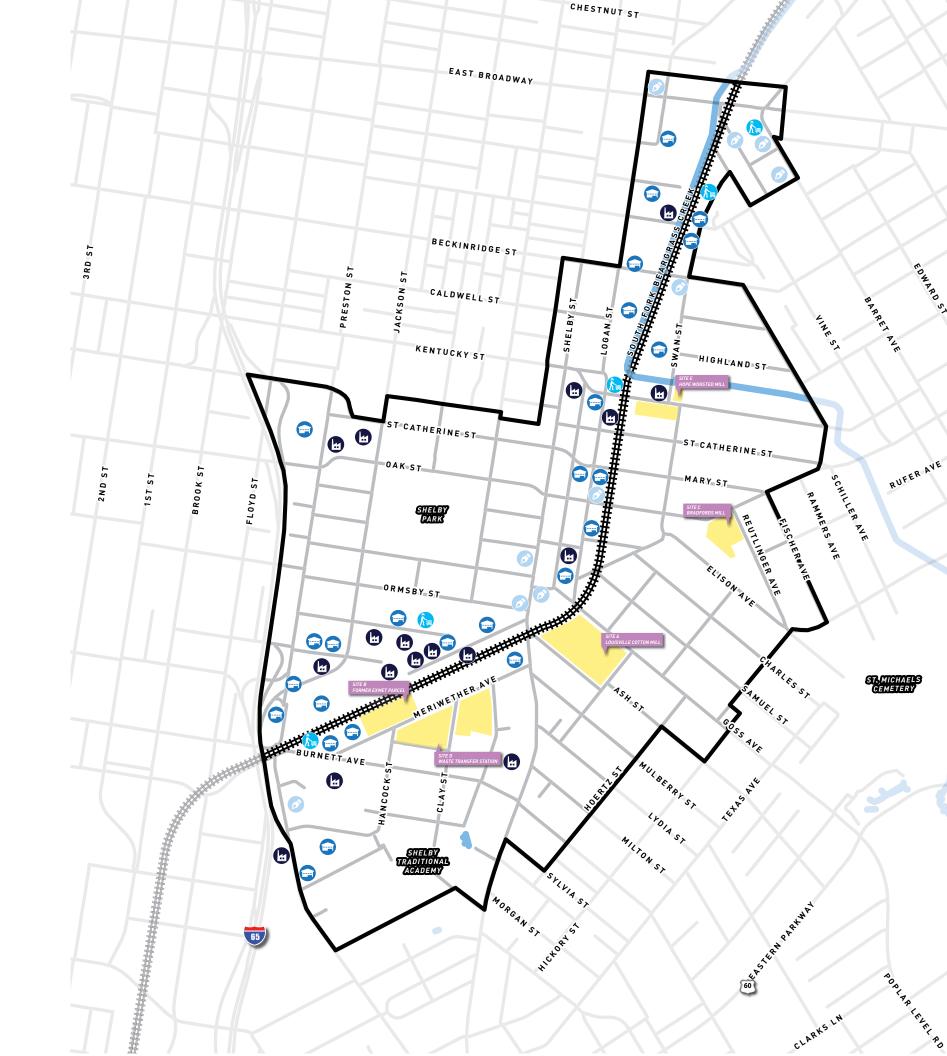
IDENTIFIED INDUSTRY:











OPPORTUNITIES







TIER 1: INFILL REDEVELOPMENT OPPORTUNITY

TIER 2: MID-TERM INFILL OPPORTUNITY

- VACANT PROPERTY
- VOID SPACE [HIGHWAY R-O-W]
- UNDERUTILIZED SURFACE PARKING LOTS
- PARTIALLY VACANT PROPERTY
- NOT DEEMED HIGHEST & BEST USE
- IN CONFLICT WITH COMMUNITY
 VISION, ZONING OR FORM DISTRICTS

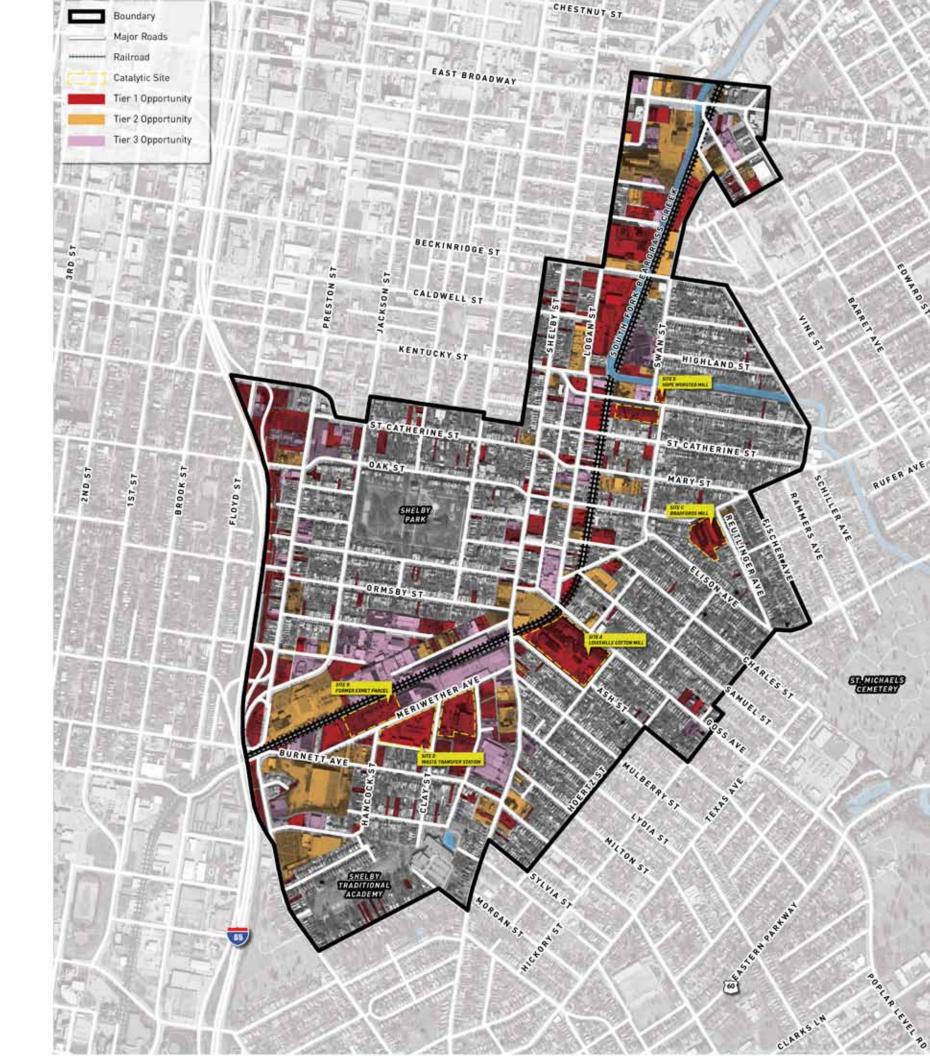
TIER 3: LONG TERM INFILL/SITE IMPROVEMENT OPPORTUNITY

- LONG TERM IMPROVEMENTS NEEDED
- PHYSICAL SITE IMPROVEMENTS
- IMPROVE PHYSICAL RELATIONSHIP WITH NEIGHBORS
- IDEAL LOCATION FOR IMPROVED SUSTAINABILITY MEASURES

OPPORTUNITIES

KEY INFILL AND SITE REINVESTMENT OPPORTUNITIES

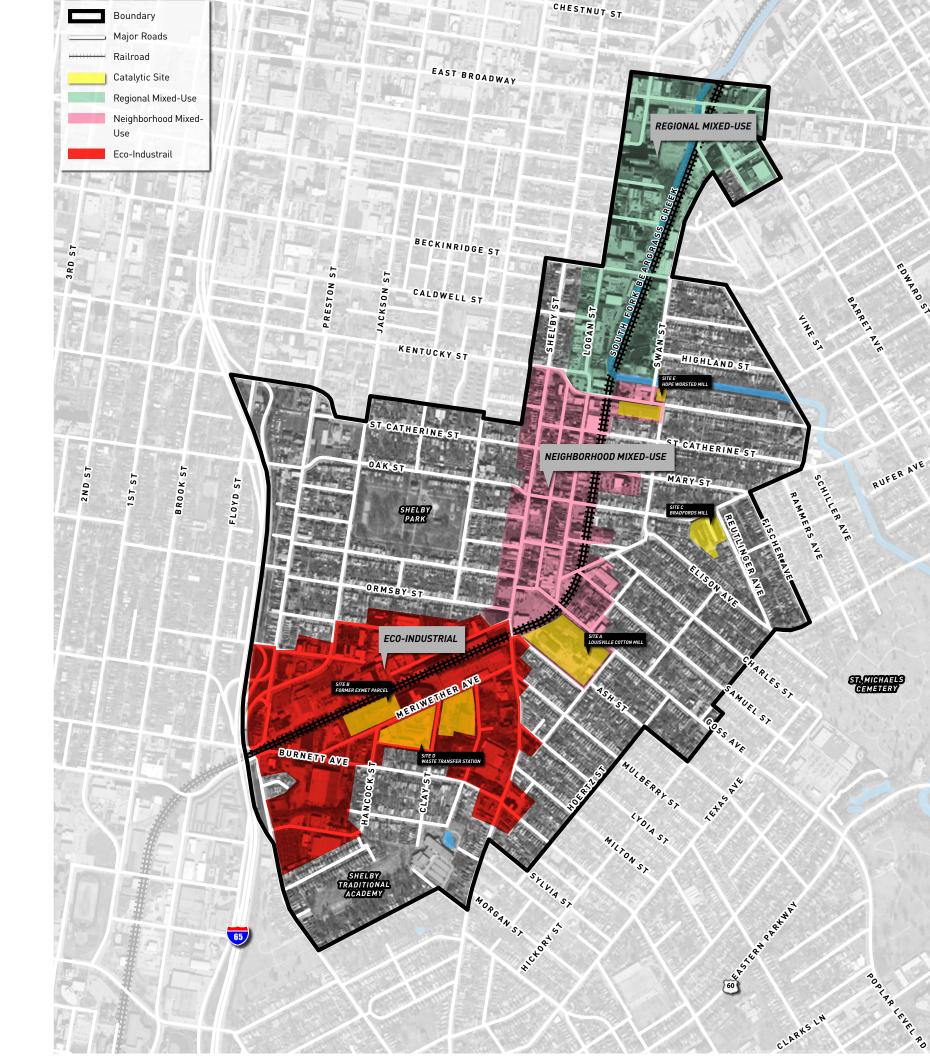
- TIER 1:
 INFILL REDEVELOPMENT OPPORTUNITY
- TIER 2:
 MID-TERM INFILL OPPORTUNITY
- TIER 3:
 LONG TERM INFILL/SITE IMPROVEMENT
 OPPORTUNITY



DISTRICTS

THREE MAJOR DISTRICTS ALONG THE RAIL CORRIDOR:

- BROADWAY MIXED-USE
- NEIGHBORHOOD CENTER
- **ECO-INDUSTRIAL**



The Value of Ecology in the Built Environment

Louisville Central Rail Corridor Plan







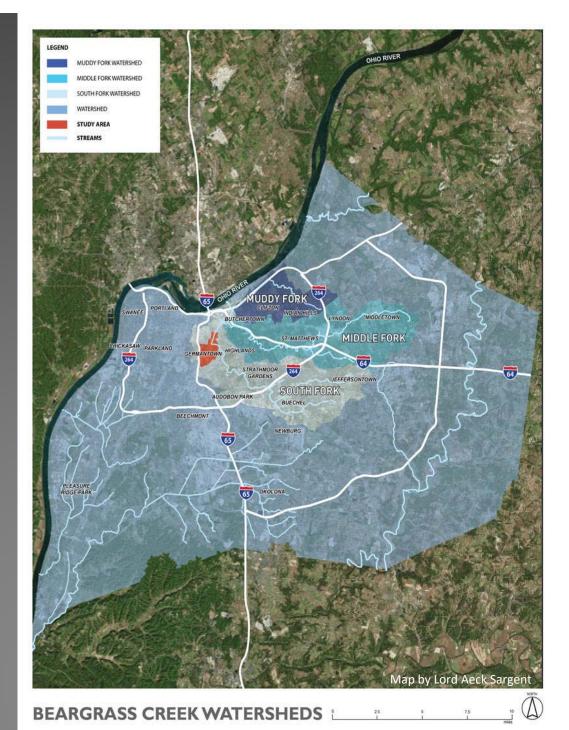


GERMANTOWN IN CONTEXT

Small piece of larger watershed

Upstream and downstream influences

Part of community-wide initiative





WHAT IS Ecosystem Services +
THE Functions
VALUE? Social
Economic



SERVICES + FUNCTIONS Pollinators URBAN **ECOSYSTEM**

Flood abatement Pollution control Sediment control Water quality OF AN Air quality Micro-climate regulation Carbon sequestration Nutrient cycling Wildlife habitat



SOCIAL

Uniqueness + Heritage

Recreation + Exercise

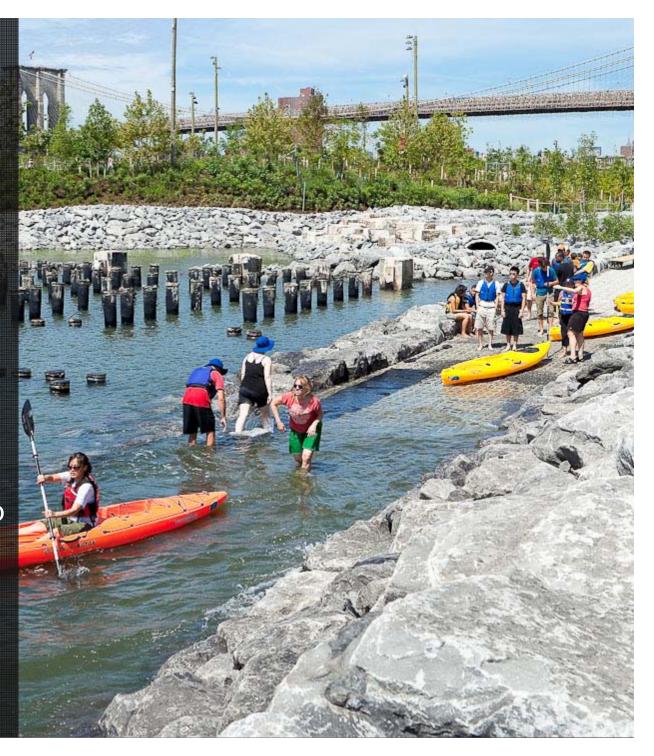
Aesthetic diversity

Quality of life

Environmental awareness/stewardship

Wildlife viewing





ECONOMIC

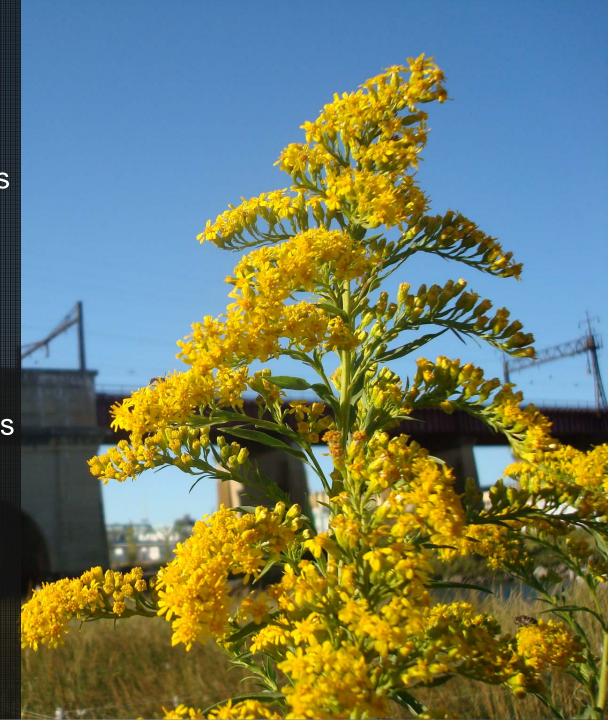
Increased property values

Tourism revenue

Reduced pressure on infrastructure

Resiliency to storm events

Sustainability





STRESSORS Stormwater runoff ECOSYSTEM Impaired air quality

Contamination Altered hydrology Soil compaction ON AN Nutrient loading URBAN Habitat fragmentation Invasive species Remedial impacts Noise and light pollution



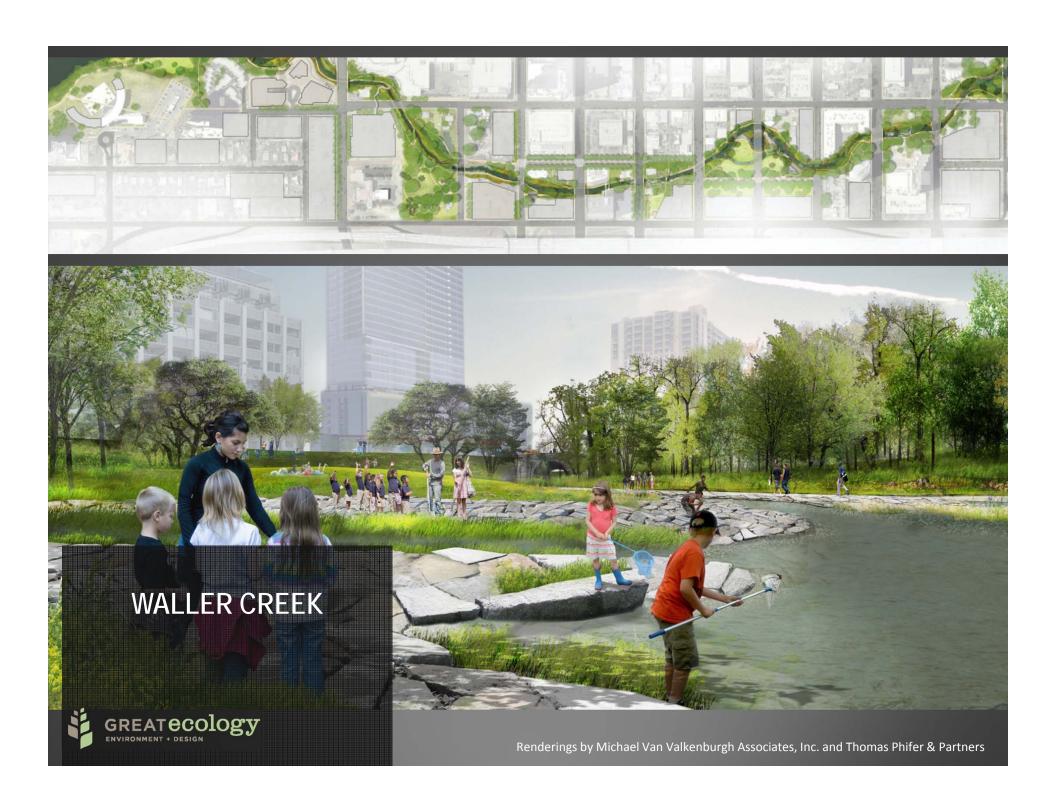
Rendering by SCAPE studio



REBUILD BY DESIGN HUD \$930 BILLION



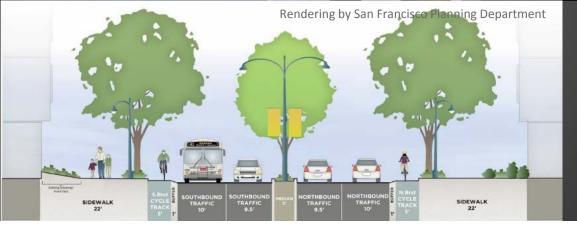






URBAN FOREST CHARLOTTE, NC







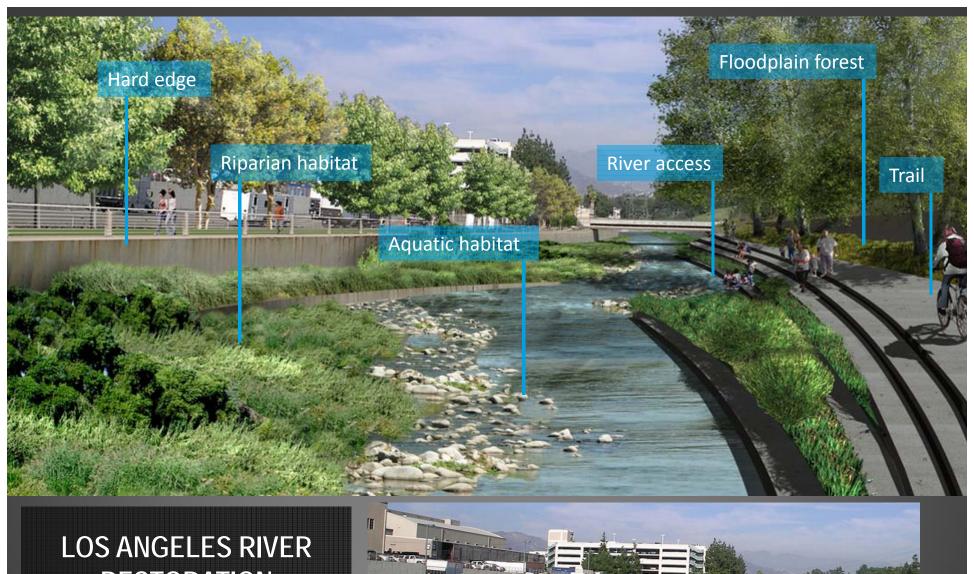


PHILADELPHIA GREEN CITIES, CLEAN WATERS





Rendering and photos by Philadelphia Water Department



RESTORATION





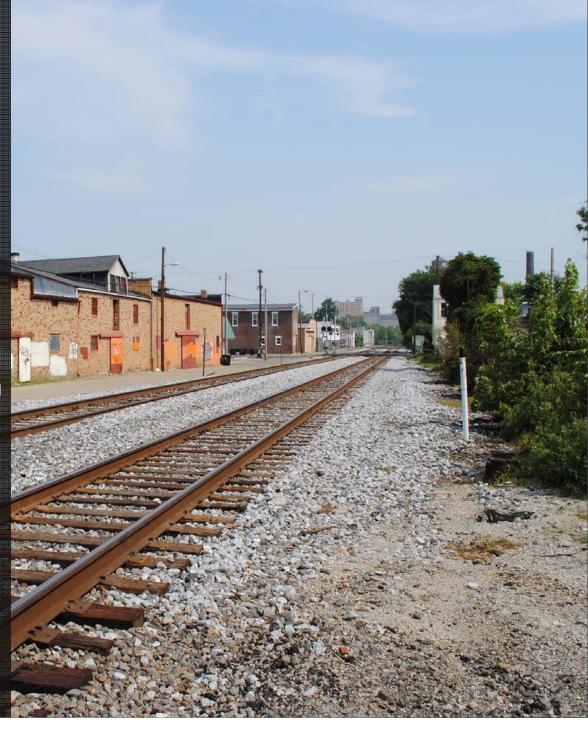


High urban density

Limited open space

Dying tree canopy

Stormwater runoff/pollution



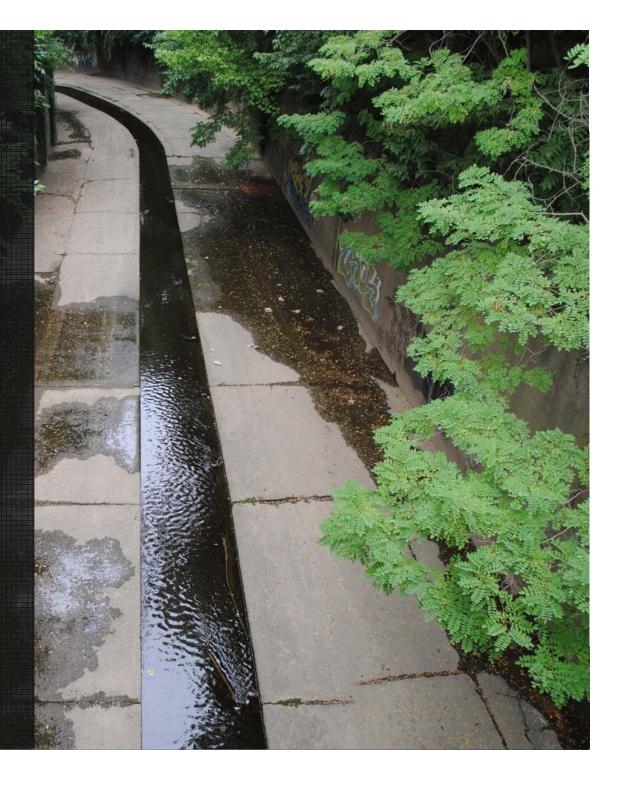


NEIGHBORHOOD ASSETS AND OPPORTUNITIES

Brownfield redevelopment

Beargrass Creek

Corridor enhancement





OPPORTUNITIES TO IMPROVE ECOSYSTEM SERVICES: URBAN FOREST

Increase air + water quality

Reduce energy usage

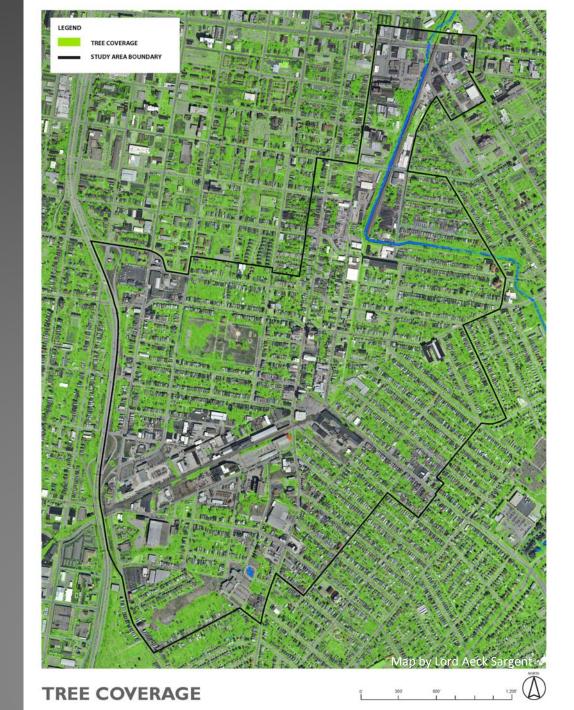
Increase property values

Create open space

Enhance habitat connectivity

Increase biodiversity

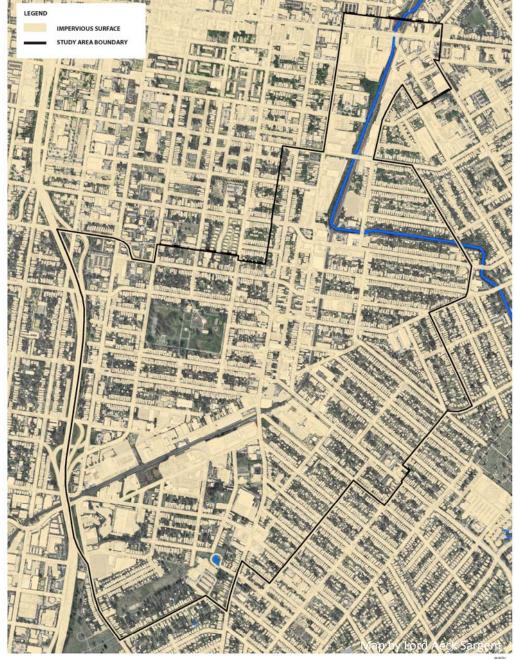
Reduce flooding





OPPORTUNITIES TO IMPROVE ECOSYSTEM SERVICES: GREEN INFRASTRUCTURE

Reduce impervious surfaces
Increase stormwater filtration
Enhance habitat connectivity
Increase biodiversity
Reduce flooding

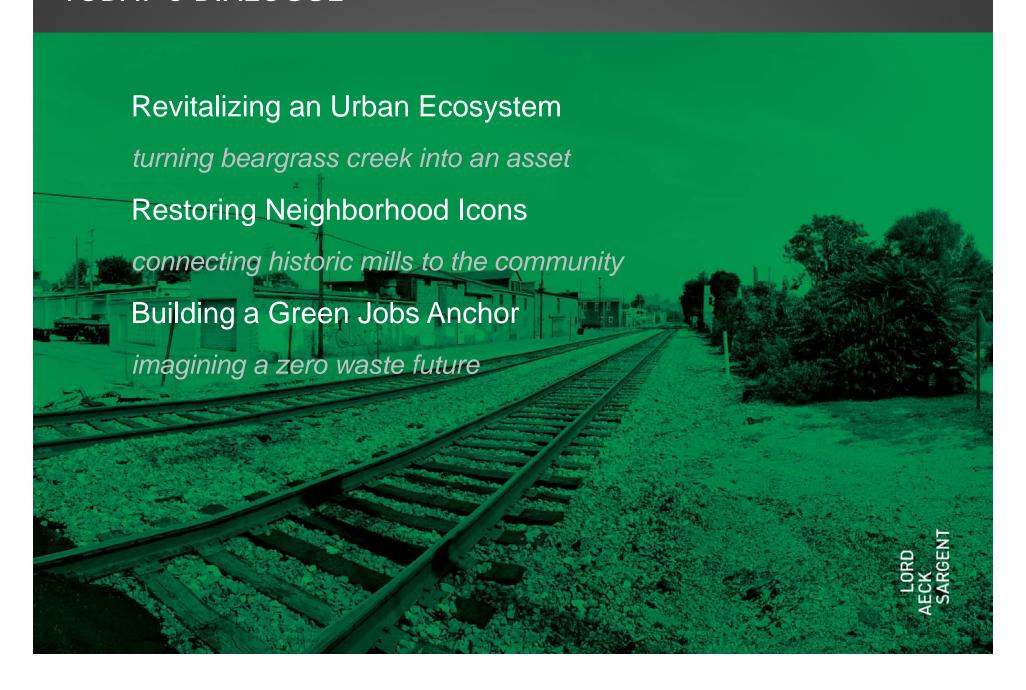




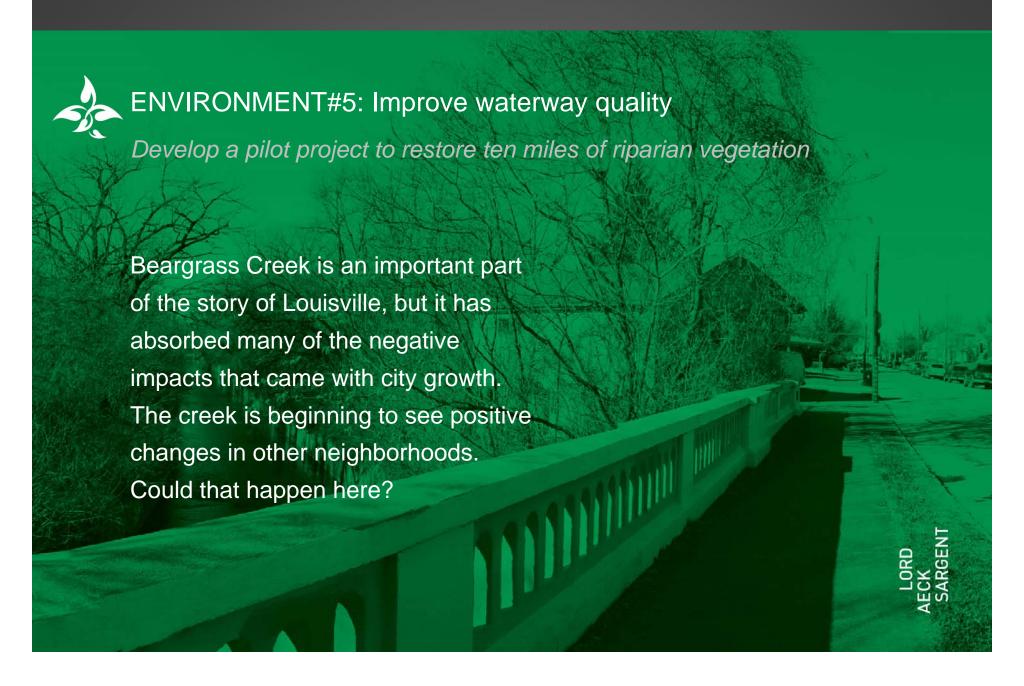
IMPERVIOUS SURFACE



TODAY'S DIALOGUE



REVITALIZING AN URBAN ECOSYSTEM

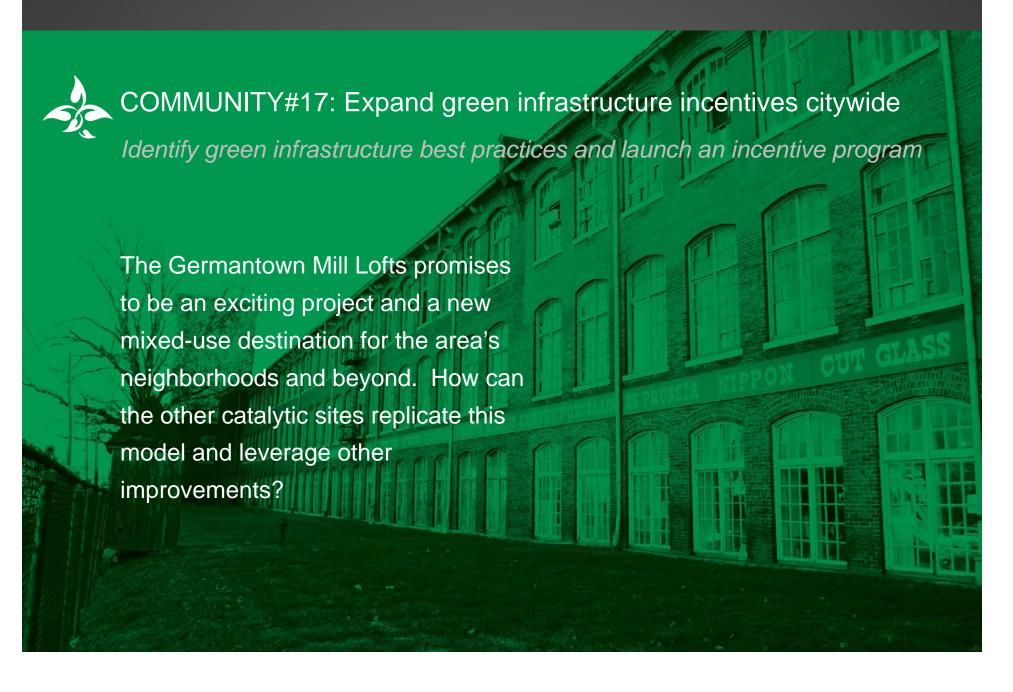


FOR CONSIDERATION:

- If you could imagine a future where Beargrass Creek became a natural landscape in the spirit of the Olmsted system, what would that future look like?
- If enough land was made available, is there a scenario where Beargrass Creek could contribute to – or even replace – contemporary stormwater management practices?
- How can the Beargass Creek environment be made more accessible to the public?

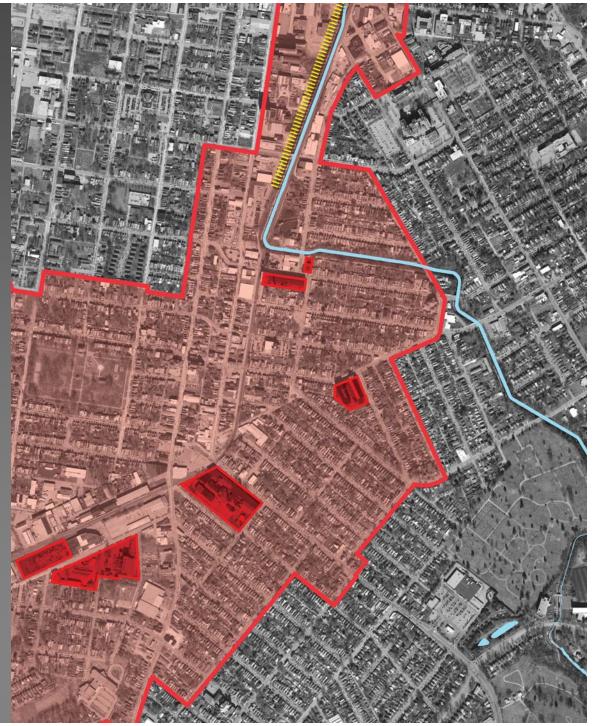


RESTORING NEIGHBORHOOD ICONS

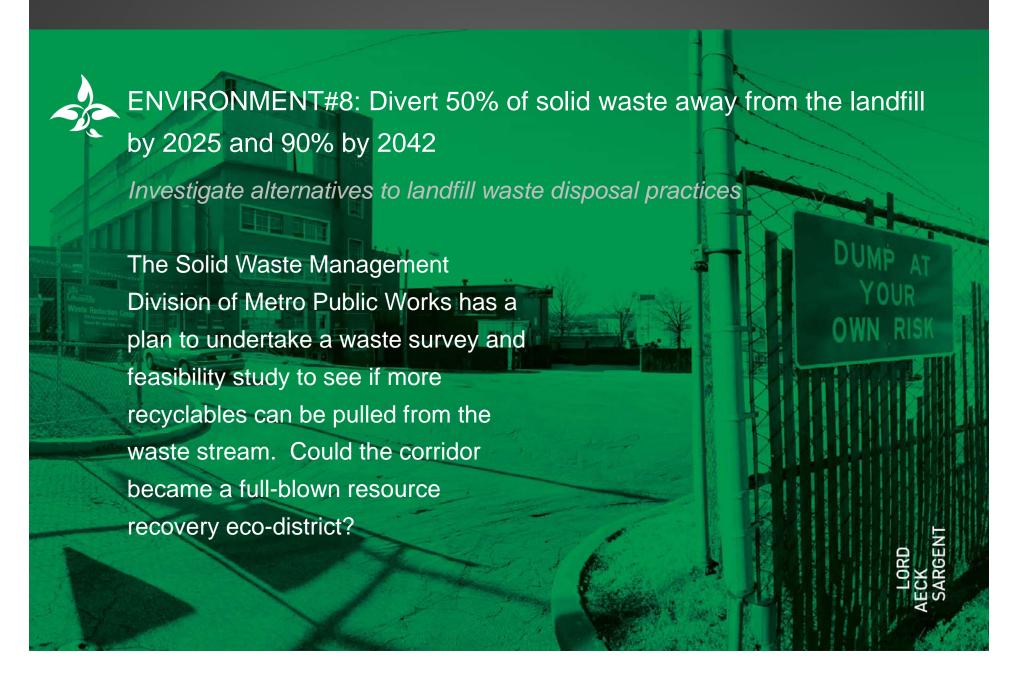


FOR CONSIDERATION:

- How could the Germantown Mill project serve as a template for the other two historic mills?
 What are the similarities and what are the differences?
- In what ways might the Germantown Mill Lofts contribute to raising awareness of the area and strengthening the surrounding neighborhoods?
- Are there any ways in which the Germantown Mill project could be a driving force in the creation of a larger "eco-district" around the rail corridor? What development or business incentives might be possible?



BUILDING A GREEN JOBS ANCHOR



FOR CONSIDERATION:

- If you rethink the long-term future of the waste recovery center as a source of raw materials, what should those raw materials ideally include?
- Is there any potential for clean energy generation as part of the waste reduction / recovery program?
- Could a more ambitious reprocessing program be the basis for innovative business / green industry attraction?
- What role could the Exmet site play in transitioning to a more complete resource recovery campus?

