

# REVAMPING A CLASSIC: TAKING SURVEYS TO THE NEXT LEVEL

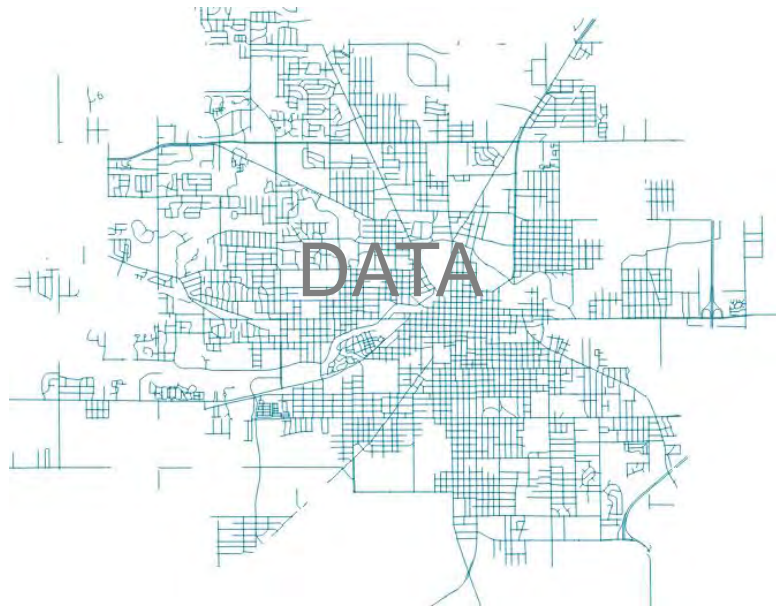
Emilie Evans

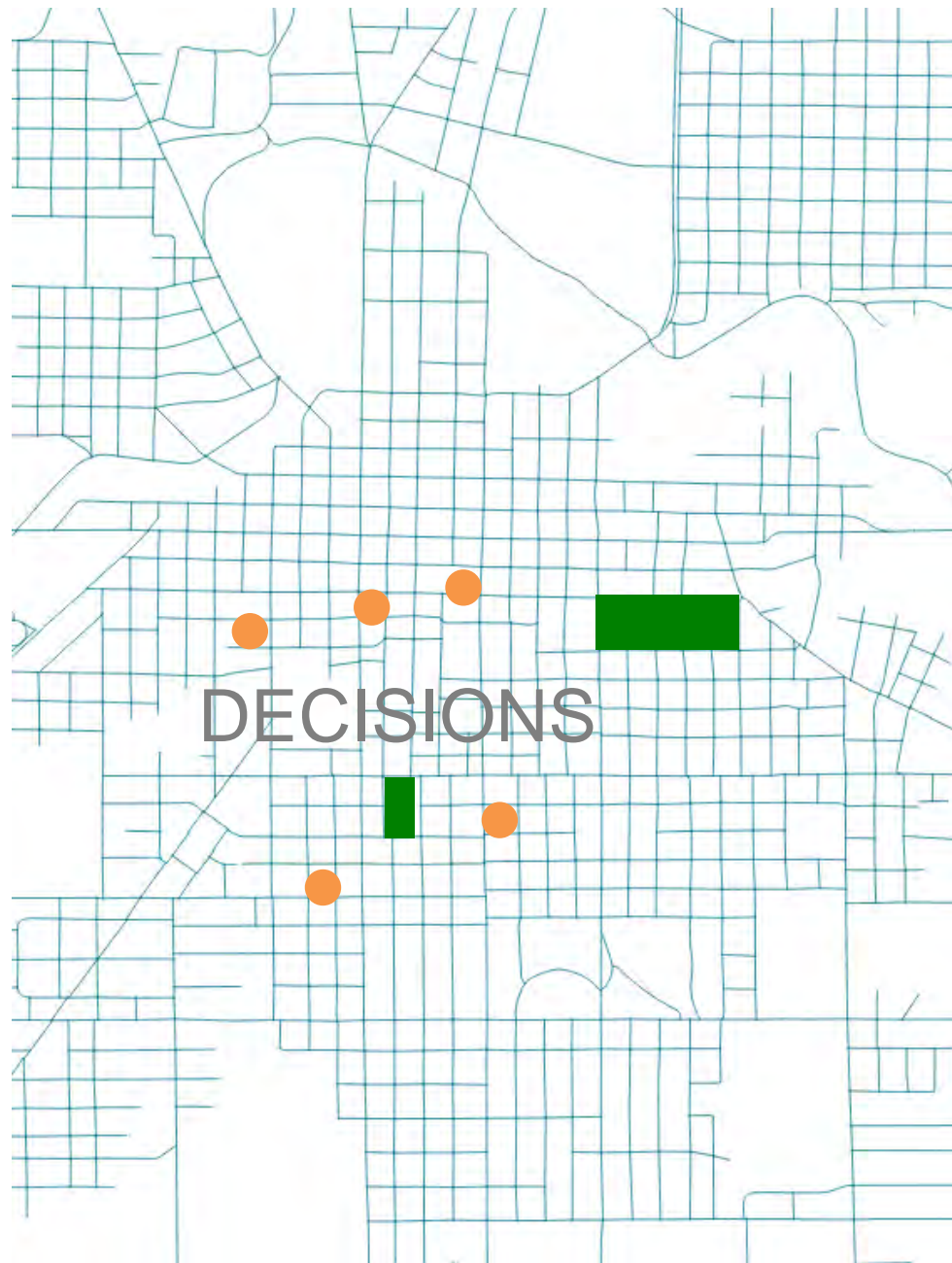
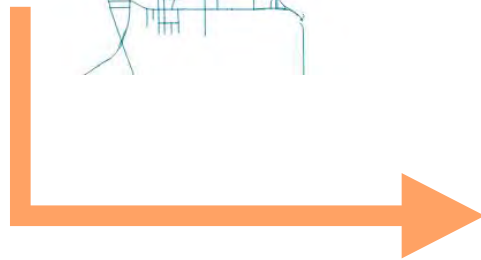
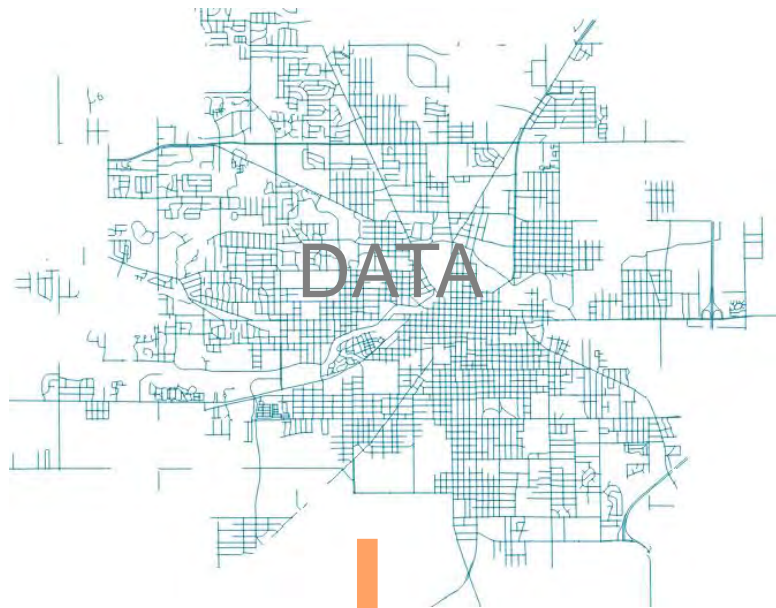
Rightsizing Cities Initiative | PlaceEconomics

Susan Lankford

Instructor, Graduate Program in Historic Preservation  
Ball State University









POPULATION OWNER OCCUPANCY FORECLOSURE  
DEMOLITION PERMITS PURCHASING POWER  
INFRASTRUCTURE SCHOOLS WALK SCORE  
NOISE POLLUTION BROWNFIELDS TOPOGRAPHY  
IMMIGRANT MENTAL HEALTH POLLUTION  
NEW CONSTRUCTION SIDEWALK  
CONDITION TAX  
DELIQUENT BUILDING  
CONDITION HISTORIC  
DISTRICTS CONSTRUCTION  
AFFORDABILITY VOUCHERS FIRE CALLS  
ARCHITECTURAL CHARACTERCHANGE IN VALUE  
WATER EMBODIED ENERGY PUBLIC  
TRANSPORTATION GRAFFITI TRAFFIC VOLUME  
VOTING FIRE CALLS COMMUNITY MEETING




**DATA!**





Photo: Cara Bertron





Building  
Condition



Architectural  
Character



Street trees



Sidewalk Condition



Public art



# LEGACY CITIES & RIGHTSIZING







Photo: Cara Bertron





Photo: Cara Bertron






Photos: Cara Bertron



# TRADITIONAL SURVEY METHODS

Source: Indiana Historic Sites and Structures Inventory:  
Bartholomew County Interim  
Report.

1. Rating <input type="radio"/> O <input type="radio"/> N <input type="radio"/> C <input type="checkbox"/> n/c		2. County		3. Survey No.	
4. Historic Name		5. Township		Preliminary No.	
6. Address		7. City		8. Dated Name	
INDIANA HISTORIC SITES AND STRUCTURES INVENTORY State of Indiana Department of Natural Resources State Form 18822 (R 2-2-80)					
Mount Contact Prints Here					
9. Common Name		10. Visible <input type="checkbox"/> Yes <input type="checkbox"/> No		11. Endangered <input type="checkbox"/> Yes <input type="checkbox"/> No Explain	
12. Ownership <input type="checkbox"/> Public <input type="checkbox"/> Private		Owner's Address (if different)			
13. Use Present Past <input type="checkbox"/> Residence <input type="checkbox"/> Commercial <input type="checkbox"/> Vacant		14. Category <input type="checkbox"/> building <input type="checkbox"/> district <input type="checkbox"/> site <input type="checkbox"/> structure <input type="checkbox"/> object <input type="checkbox"/> landscape		15. Surveys / Legal Protections <input type="checkbox"/> National Register <input type="checkbox"/> State Register <input type="checkbox"/> National Historic Landmark <input type="checkbox"/> Local Designation <input type="checkbox"/> Protective Covenants <input type="checkbox"/> Other	
16. Condition <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Deteriorated <input type="checkbox"/> Ruins		17. Integrity <input type="checkbox"/> Unaltered <input type="checkbox"/> Slightly Altered <input type="checkbox"/> Severely Altered <input type="checkbox"/> Moved <input type="checkbox"/> Date Moved		18. Location Notes/Legal Description	
19. Time Period(s)		20. Type/Style(s)		21. Architect/Builder	
22. SPECIFY ALTERATIONS					
Removals <input type="checkbox"/> Windows <input type="checkbox"/> Roof <input type="checkbox"/> Other		Replacement <input type="checkbox"/> Sliding <input type="checkbox"/> Wings <input type="checkbox"/> Other		Additions <input type="checkbox"/> Other	
23. DESCRIPTION					
Stories <input type="checkbox"/> 1 <input type="checkbox"/> 1½ <input type="checkbox"/> 2 <input type="checkbox"/> 2½ <input type="checkbox"/> Other		Foundation <input type="checkbox"/> Bays		24. SITE PLAN	
Plan <input type="checkbox"/> Rectangular <input type="checkbox"/> T <input type="checkbox"/> U <input type="checkbox"/> Polygonal <input type="checkbox"/> Irreg. <input type="checkbox"/> Other		Depth <input type="checkbox"/> Single-pile <input type="checkbox"/> Irregular/massed <input type="checkbox"/> Double-pile <input type="checkbox"/> Other			
Walls					
Roof <input type="checkbox"/> Side-gable <input type="checkbox"/> Front-gable <input type="checkbox"/> Cross-gable <input type="checkbox"/> Hip <input type="checkbox"/> Pyramidal <input type="checkbox"/> Mansard <input type="checkbox"/> Other		Roof material			
Roof features					
Porches <input type="checkbox"/> 1. Front <input type="checkbox"/> 2. Side <input type="checkbox"/> 3. Rear					
Openings (type, position, trim)					
Interior					
25. # Contrib. Res.		26. # Non-contrib. Res.		27. Environment	

Outbuildings <input type="checkbox"/> Bank/basement barn <input type="checkbox"/> Corn crib <input type="checkbox"/> Grainary <input type="checkbox"/> Machine shed <input type="checkbox"/> Schweitzer barn <input type="checkbox"/> Summer kitchen <input type="checkbox"/> Workshop <input type="checkbox"/> Blacksmith shop <input type="checkbox"/> Dairy barn <input type="checkbox"/> Grain bin <input type="checkbox"/> Midwest 3-port barn <input type="checkbox"/> Shed <input type="checkbox"/> Tool shed <input type="checkbox"/> Other... <input type="checkbox"/> Brooder house <input type="checkbox"/> Drive-thru corral <input type="checkbox"/> Hog house <input type="checkbox"/> Milk house <input type="checkbox"/> Transverse-A-frame barn <input type="checkbox"/> Carriage house <input type="checkbox"/> English barn <input type="checkbox"/> Iron fence <input type="checkbox"/> Smokehouse <input type="checkbox"/> Wash house <input type="checkbox"/> Chicken house <input type="checkbox"/> Garage <input type="checkbox"/> Livestock barn <input type="checkbox"/> Pump house <input type="checkbox"/> Spring house <input type="checkbox"/> Windmill <input type="checkbox"/> Cold cellar <input type="checkbox"/> Gate <input type="checkbox"/> Long crib barn <input type="checkbox"/> Round/polygonal barn <input type="checkbox"/> Stable <input type="checkbox"/> Wood shed			
28. Areas of Significance:		29. Historic Context(s)/Statement of Significance/Additional Description:	
<input type="checkbox"/> Agriculture <input type="checkbox"/> Architecture <input type="checkbox"/> Art <input type="checkbox"/> Commerce <input type="checkbox"/> Communications <input type="checkbox"/> Community Planning <input type="checkbox"/> Conservation <input type="checkbox"/> Economics <input type="checkbox"/> Education <input type="checkbox"/> Engineering <input type="checkbox"/> Entertainment/Recreation <input type="checkbox"/> Ethnic Heritage <input type="checkbox"/> Exploration/Settlement <input type="checkbox"/> Health/Medicine <input type="checkbox"/> Industry <input type="checkbox"/> Invention <input type="checkbox"/> Landscape Architecture <input type="checkbox"/> Law <input type="checkbox"/> Literature <input type="checkbox"/> Maritime History <input type="checkbox"/> Military <input type="checkbox"/> Performing Arts <input type="checkbox"/> Philosophy <input type="checkbox"/> Politics <input type="checkbox"/> Religion <input type="checkbox"/> Science <input type="checkbox"/> Social History <input type="checkbox"/> Transportation <input type="checkbox"/> Other		ATTACH NEGATIVE ENVELOPE HERE	
30. FOR STATE OFFICE USE ONLY		31. UTM	
NR _____ SR _____ E _____ NE _____		1:2 _____	
32. Information Sources			
33. Surveyor		Affiliation <input type="checkbox"/> HLI <input type="checkbox"/> ARCH <input type="checkbox"/> Other _____ Date _____	
34. Revised by		Affiliation _____ Date _____	
35. Revised by		Affiliation _____ Date _____	



# TRADITIONAL SURVEY METHODS

Source: Indiana Historic Sites and Structures Inventory:  
Bartholomew County Interim  
Report.

1. Rating <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> C <input type="checkbox"/> n/c		2. County	3. Survey No.
4. Historic Name		5. Township	Preliminary No.
6. Address		7. City	8. Dated Name

INDIANA HISTORIC SITES AND STRUCTURES INVENTORY State of Indiana Department of Natural Resources State Form 18822 (R 2/2-86)

Mount Contact Prints Here

9. Common Name

12. Ownership ☐ Public ☐ Private

13. Use  
Present ☐ Past  
☐ Residence ☐ Commercial ☐ Industrial ☐ Vacant

18. Integrity  
☐ Unaltered ☐ Slightly Altered ☐ Severely Altered ☐ Moved  
Date Moved

19. Time Period(s)

22. SPECIFY ALTERATIONS  
Removals ☐ Other ☐ Foundation ☐ Depth ☐ Walls ☐ Roof ☐ Side-gable ☐ Roof material ☐ Porches ☐ 1. Front ☐ 2. Back ☐ Openings (type, position, trim) ☐ Interior ☐ 25. ☐ Contrib. Res. ☐ Non-contrib. Res.

24. SITE PLAN  
N

Outbuildings  
☐ Bank/basement barn ☐ Corn crib ☐ Grainary ☐ Meat house ☐ Workshop  
☐ Blacksmith shop ☐ Dairy barn ☐ Grain bin ☐ Mill ☐ Barn ☐ Other  
☐ Brooder house ☐ Drive-thru corncob ☐ Hog house ☐ Privy  
☐ Carriage house ☐ English barn ☐ Iron fence ☐ Pump house  
☐ Chicken house ☐ Cold cellar ☐ Roundhouse

26. Areas of Significance  
☐ Agriculture ☐ Architecture ☐ Art ☐ Commerce ☐ Communication ☐ Community Planning ☐ Conservation ☐ Economics ☐ Education ☐ Engineering ☐ Entertainment/Recreation ☐ Ethnic Heritage ☐ Exploration/Settlement ☐ Health/Medicine ☐ Industry ☐ Invention ☐ Landscape Architecture ☐ Law ☐ Literature ☐ Maritime History ☐ Military ☐ Performing Arts ☐ Philosophy ☐ Politics ☐ Religion ☐ Science ☐ Social History ☐ Transportation ☐ other ☐ SEE CONTINUATION SHEET

ATTACH NEGATIVE  
ENVELOPE HERE

OFFICE USE ONLY  
NR ☐ SR ☐ E ☐ NE ☐

31. UTM 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

32. Information Sources  
33. Surveyor Affiliation ☐ HLI ☐ ARCH ☐ Other ☐ Date ☐

34. Revised by Affiliation ☐ Date ☐

35. Revised by Affiliation ☐ Date ☐



1. Rating <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> C <input type="checkbox"/> n/c		2. County		3. Survey No.	
4. Historic Name		5. Township		Preliminary No.	
6. Address		7. City		8. Quad Name	
<b>INDIANA HISTORIC SITES AND STRUCTURES INVENTORY</b> <span style="float:right">State of Indiana Department of Natural Resources</span> <span style="float:right">State Form 16822 (R 2/2-99)</span>					
Mount Contact Prints Here					
9. Common Name		10. Visible <input type="checkbox"/> Yes <input type="checkbox"/> No		11. Endangered Explain <input type="checkbox"/> Yes <input type="checkbox"/> No	
12. Ownership <input type="checkbox"/> Public <input type="checkbox"/> Private		Owner's Address (if different)			
13. Use Present Past <input type="checkbox"/> <input type="checkbox"/> Residence <input type="checkbox"/> <input type="checkbox"/> Commercial <input type="checkbox"/> <input type="checkbox"/> _____ <input type="checkbox"/> <input type="checkbox"/> _____ <input type="checkbox"/> <input type="checkbox"/> Vacant		14. Category <input type="checkbox"/> building <input type="checkbox"/> district <input type="checkbox"/> site <input type="checkbox"/> structure <input type="checkbox"/> object <input type="checkbox"/> landscape		15. Surveys / Legal Protections <input type="checkbox"/> National Register <input type="checkbox"/> State Register <input type="checkbox"/> Hoosier Homestead <input type="checkbox"/> National Historic Landmark <input type="checkbox"/> Local Designation <input type="checkbox"/> Protective Covenants <input type="checkbox"/> Other...	
		16. Location Notes/Legal Description		17. Condition <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Deteriorated <input type="checkbox"/> Ruins	
				18. Integrity <input type="checkbox"/> Unaltered <input type="checkbox"/> Slightly Altered <input type="checkbox"/> Severely Altered <input type="checkbox"/> Moved Date Moved	
19. Time Period(s)		20. Type/Style(s)		21. Architect/Builder	
<b>22. SPECIFY ALTERATIONS</b>					
Removals		Replacement <input type="checkbox"/> Windows <input type="checkbox"/> Roof <input type="checkbox"/> Other.....		Additions <input type="checkbox"/> Siding <input type="checkbox"/> Wings <input type="checkbox"/> Other.....	
				Other	
<b>23. DESCRIPTION</b>					
Stories <input type="checkbox"/> 1 <input type="checkbox"/> 1½ <input type="checkbox"/> 2 <input type="checkbox"/> 2½ <input type="checkbox"/> Other.....		# Bays		Foundation	
Plan <input type="checkbox"/> Rectangular <input type="checkbox"/> T <input type="checkbox"/> U <input type="checkbox"/> Polygonal <input type="checkbox"/> L <input type="checkbox"/> X <input type="checkbox"/> irreg. <input type="checkbox"/> Other				Depth <input type="checkbox"/> Single-pile <input type="checkbox"/> Irregular/massed <input type="checkbox"/> Double-pile <input type="checkbox"/> Other.....	
Walls					
Roof <input type="checkbox"/> Side-gable <input type="checkbox"/> Front-gable <input type="checkbox"/> Cross-gable <input type="checkbox"/> Hip <input type="checkbox"/> Pyramidal <input type="checkbox"/> Mansard <input type="checkbox"/> Other.....					
Roof material                      Roof features					
Porches <input type="checkbox"/> 1. Front <input type="checkbox"/> 2. Side <input type="checkbox"/> 3. Rear					
Openings (type, position, trim)					
Interior					
25. # Contrib. Res.		26. # Non-contrib. Res.		27. Environment	

Source: Indiana Historic Sites and Structures Inventory:  
Bartholomew County Interim Report.



Source: Indiana Historic Sites and Structures Inventory: Bartholomew County Interim Report.

# LONG TRAINING TIME



Photos by Susan  
Lankford



# SPECIAL SKILLS NEEDED



Photos by Susan  
Lankford





Photo by Susan  
Lankford





03/

Photo by Susan  
Frankford

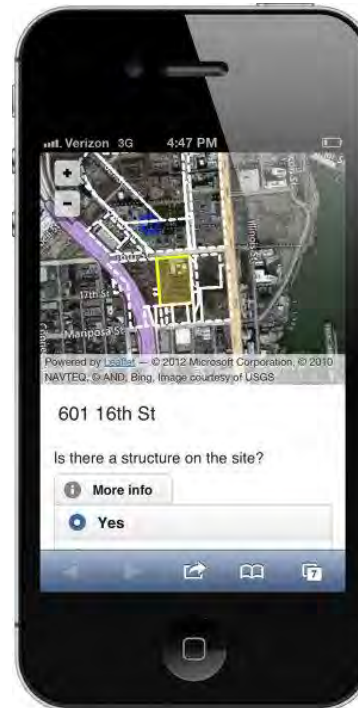


Source: Indiana  
Historic Sites and  
Structures Inventory:  
Bartholomew County  
Interim Report.



# TIME AND EFFORT BALANCE







# Quick Collection



Photo: Donovan Rypkema

# Custom -izable Questions

Verizon 10:03 AM 100%

☐ Good

☒ Fair

☐ Poor

☐ No sidewalk

Is graffiti visible on the site?

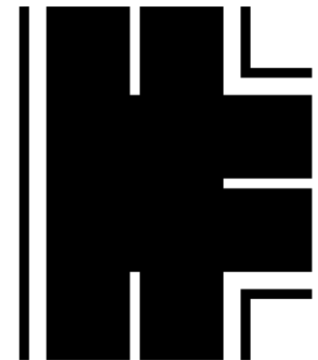
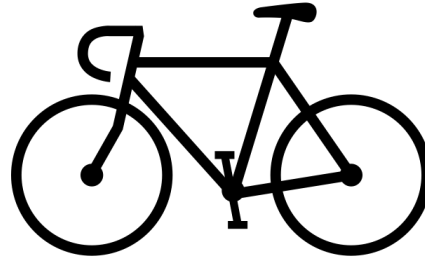
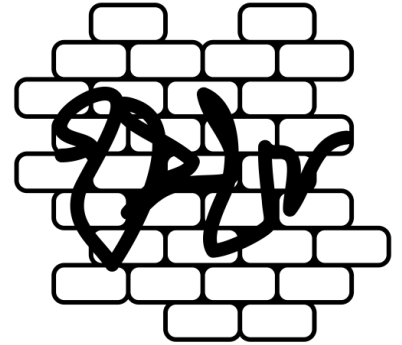
Is public art visible on the site (i.e. murals, sculptures)?

If this is a corner, non-residential property that looks like it may have once been in commercial use, please note that here:

☒ Submit answers



# Metrics Span Fields



# Engage Local Residents

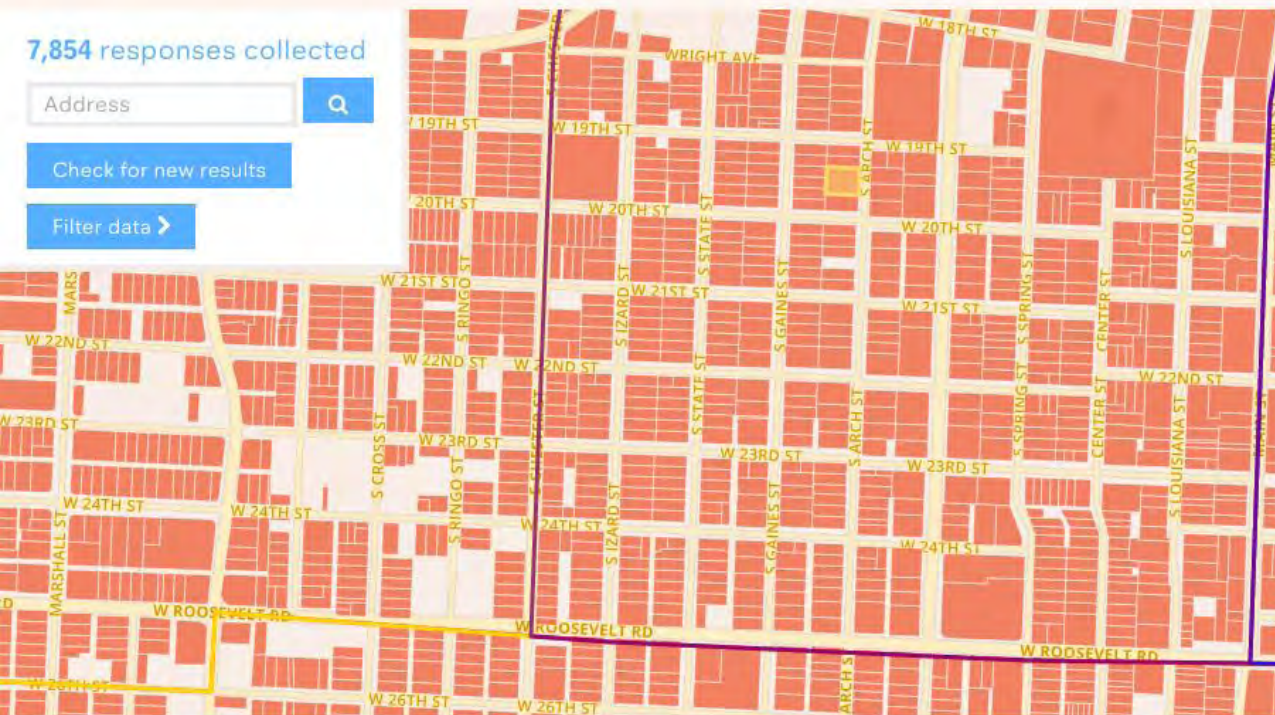


Photo: Emilie Evans



# Easily Mappable Data

## Little Rock Field Survey



1910 S ARCH ST



Kwendeche Sep 10th 2015 - 11:26am



# You Can Do It!



Photo: Emilie Evans



# CASE STUDIES

1. Detroit Historic Resource Survey
2. Indiana Blight Survey
3. Relocal

# DETROIT HISTORIC RESOURCE SURVEY



# DETROIT HISTORIC RESOURCE SURVEY

- Purpose: Help inform demolition decisions in Detroit
- 18,000 properties surveyed
- Two weeks, volunteers, smartphones
- \$52 million in demolition money
- Detroit Land Bank Authority implemented
- No Section 106 Review



Photo: Amy Elliott Bragg

# FORMAT: FOUR QUESTIONS

---

We asked surveyors to answer three questions about each property:

1. What is the architectural integrity of this property?
  - High / medium / low
2. How much is this building in keeping with neighborhood character?
  - High / medium / low
3. How intact is this block (as defined by one side of the street)?
  - Fully / mostly / somewhat / not intact



# FORMAT: FOUR QUESTIONS

---

We asked surveyors to answer three questions about each property:

1. What is the architectural integrity of this property?

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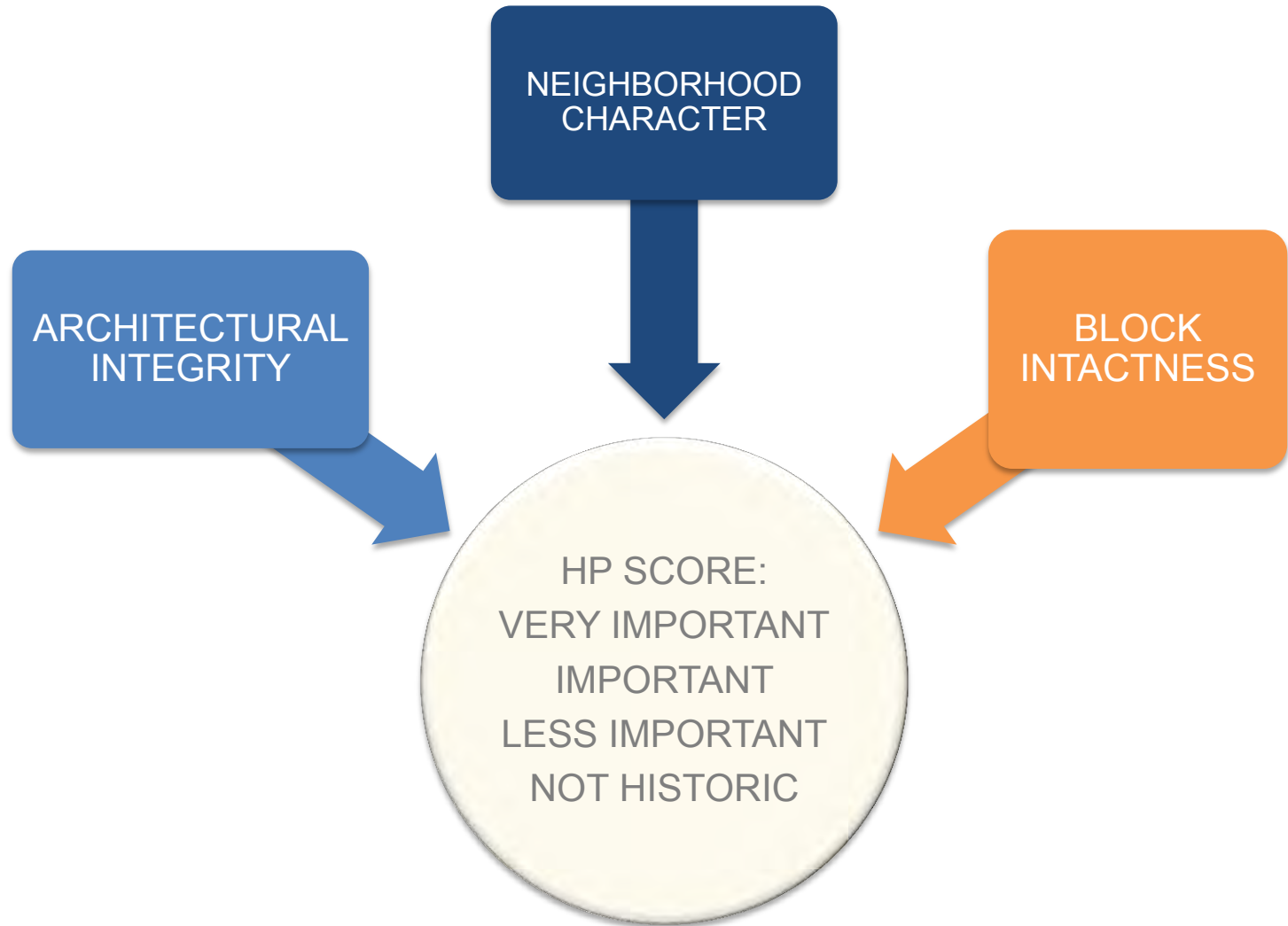
– High / medium / low

3. How intact is this block (as defined by one side of the street)?

– Fully / mostly / somewhat / not intact

USED TO GENERATE HP  
SCORE

# HP SCORE





# MOTOR CITY MAPPING

- DATA DRIVEN DETROIT
- LOVELAND  
TECHNOLOGIES
- DETROIT BLIGHT TASK  
FORCE

SURVEYED EVERY PARCEL  
OF LAND IN DETROIT


APPLIED A RATING TO  
EVERY BUILDING:

GOOD | FAIR | POOR |  
SUGGEST DEMOLITION



# DHRS DATA TODAY

DATA  
DRIVEN  
DETROIT

OpenData 

the Data Driven Detroit Open Data Site (Beta)



## < HistoricResourceSurvey Parcels

 [SUBSCRIBE](#)

[DOWNLO](#)

[Details](#)

[Table](#)

[Charts](#)

### DESCRIPTION

The survey contains data on 17,500 properties in eligible historic districts across the six target areas listed above. Volunteer surveyors answered three main questions about each property: its architectural integrity ("Architectu"), how in-keeping it was with neighborhood character ("Building\_w"), and how intact its block was ("Block\_Inta"). These three questions were aggregated into a Historic

[more](#) ▾

### ABOUT

Data Driven Detroit Data Portal

By [noah\\_D3](#) on June 04, 2014

Updated: 4 months ago

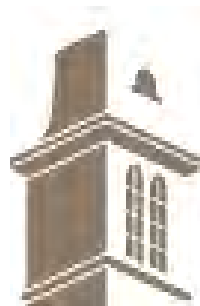


# INDIANA BLIGHT MITIGATION SURVEY



**ihcda**

Indiana Housing &  
Community Development  
Authority



INDIANA LANDMARKS



IHCDA Properties  
Preliminary Survey

IHCDA Identification #	82-06-19-026-040.023-029
Address	210 W Michigan St
City	Evansville
County	Vanderburgh
Occupied based on map view	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown

Photograph: Street View



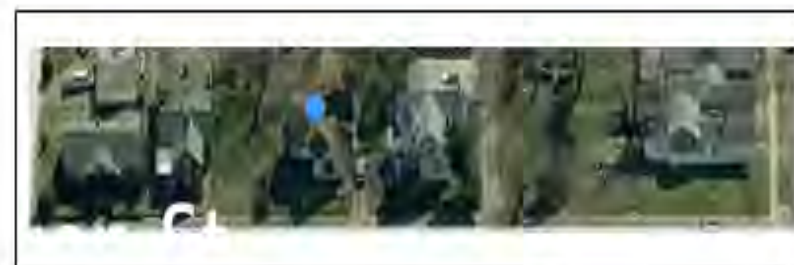
Map Date: April 2012

Date of Construction	c.1895
DHPA Survey <input type="checkbox"/> None	Survey # 163-196-52527 Page Rating: C Date: 1994
National Register of Historic Places	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
Indiana Register of Historic Sites & Structures	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
Local Designation N/A <input type="checkbox"/>	District Name: Local Jurisdiction:
Indiana Landmarks Covenant/Easement	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Style	Queen Anne
Integrity	<input type="checkbox"/> Unaltered <input checked="" type="checkbox"/> Slightly Altered <input type="checkbox"/> Severely Altered
Condition	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Deteriorated <input type="checkbox"/> Ruins
Environment/Surrounds Describe condition of surrounding block	Located on the south side of Michigan, fourth house west of Garfield.
Preliminary Rating	<input type="checkbox"/> Outstanding <input type="checkbox"/> Notable <input checked="" type="checkbox"/> Contributing <input type="checkbox"/> Non-Contributing
Rating Justification	Typical late 19 <sup>th</sup> century house.

Brief Physical Description	This Queen Anne is a two story irregularly plan structure with a stone foundation. The walls are clad in aluminum siding. The cross-gabled roof has projecting gables with pent eaves and is covered in asphalt shingles. The corner porch has a grouping of three square wood supports on the northeast corner and two on the southeast corner. The cornice has a festoon on the frieze. The right bay of the structure has a wide show window with an etched glass transom. Above the show window on the second floor is a 4/4 bow window bay. The left bay features an oval window to the left of door. The wooden door has an oval light and transom.
----------------------------	---

Sources Consulted	<input checked="" type="checkbox"/> Google Maps indicate date of image <input checked="" type="checkbox"/> Bing Maps indicate date of image <input type="checkbox"/> Assessor Records <input type="checkbox"/> GIS type of information: <input checked="" type="checkbox"/> SHAARD Other Sources:
-------------------	--

Recommend for Site Visit	<input type="checkbox"/> Yes <input type="checkbox"/> No
--------------------------	--



Surveyor Name	Lara Olinger
Date	





Photo by Susan Lankford





Source: Indiana  
Landmarks



# RELOCAL



Photo: Donovan Rypkema

# Relocal

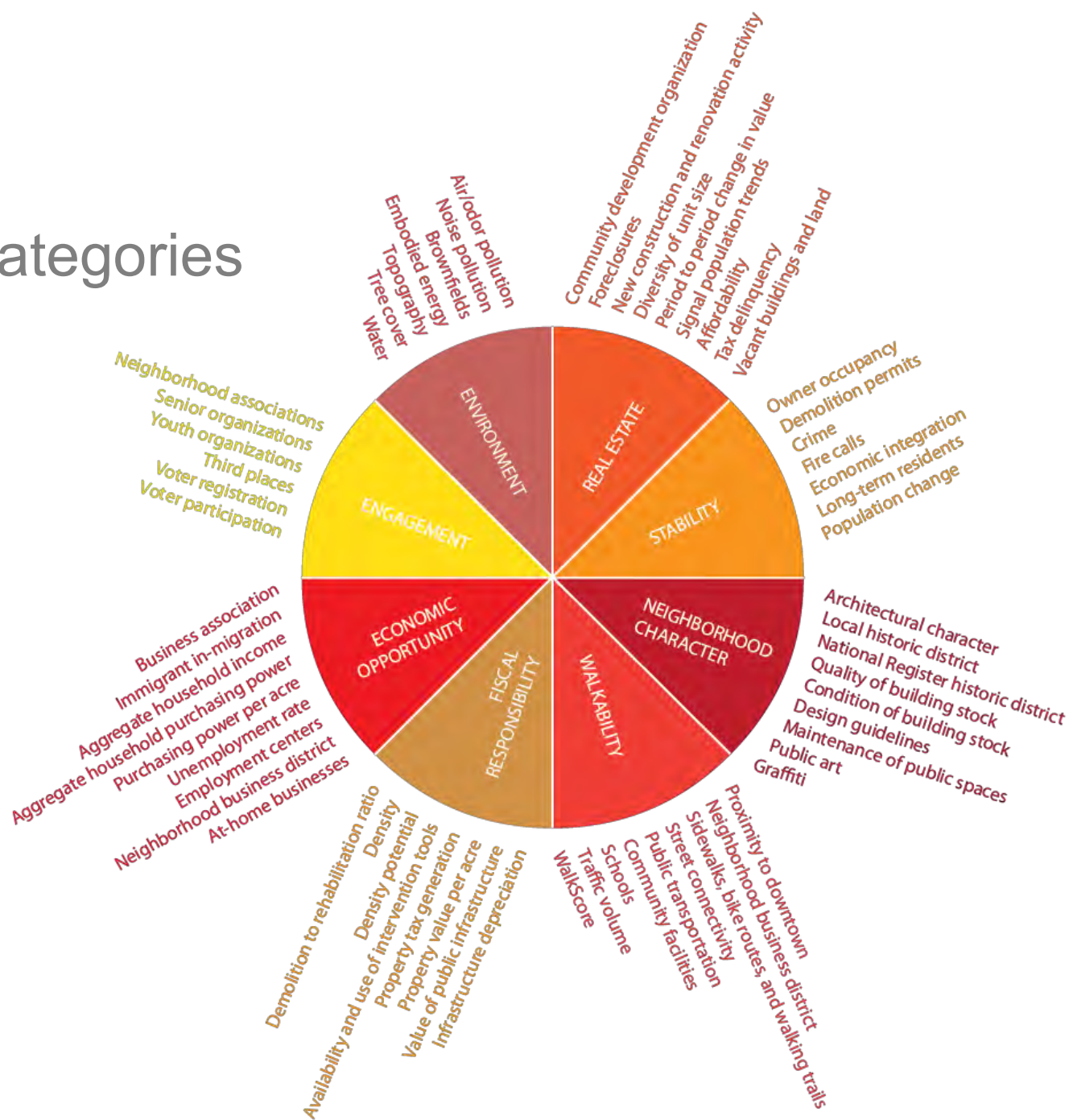
80 metrics | 8 categories





# Relocal

80 metrics | 8 categories



# Relocal

## Field Survey

Relocal  
Field Office

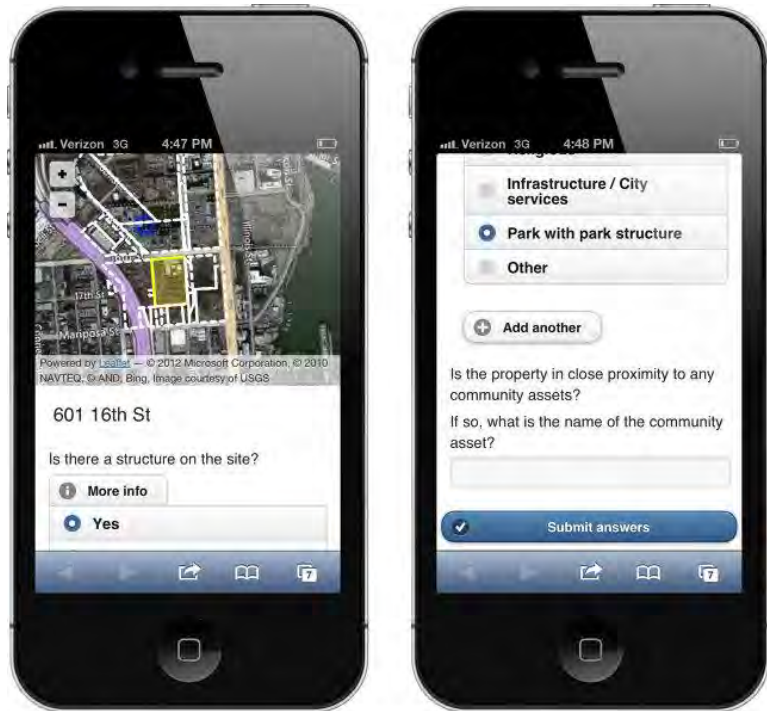


Photos: Donovan Rypkema



# Relocal

## Field Survey



LocalData

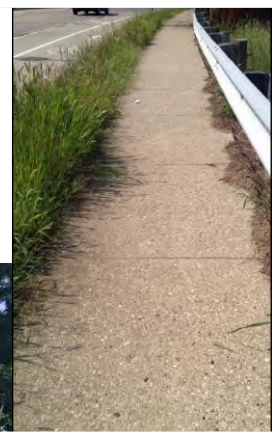
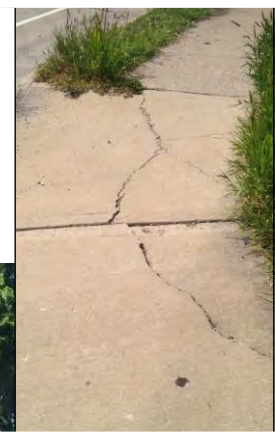


Photos: Donovan Rypkema



# Relocal

## Field Survey



Photos: Emilie Evans and Cara Bertron





Photo: Emilie Evans





# Relocal

## Recommendations



# CONCLUSION

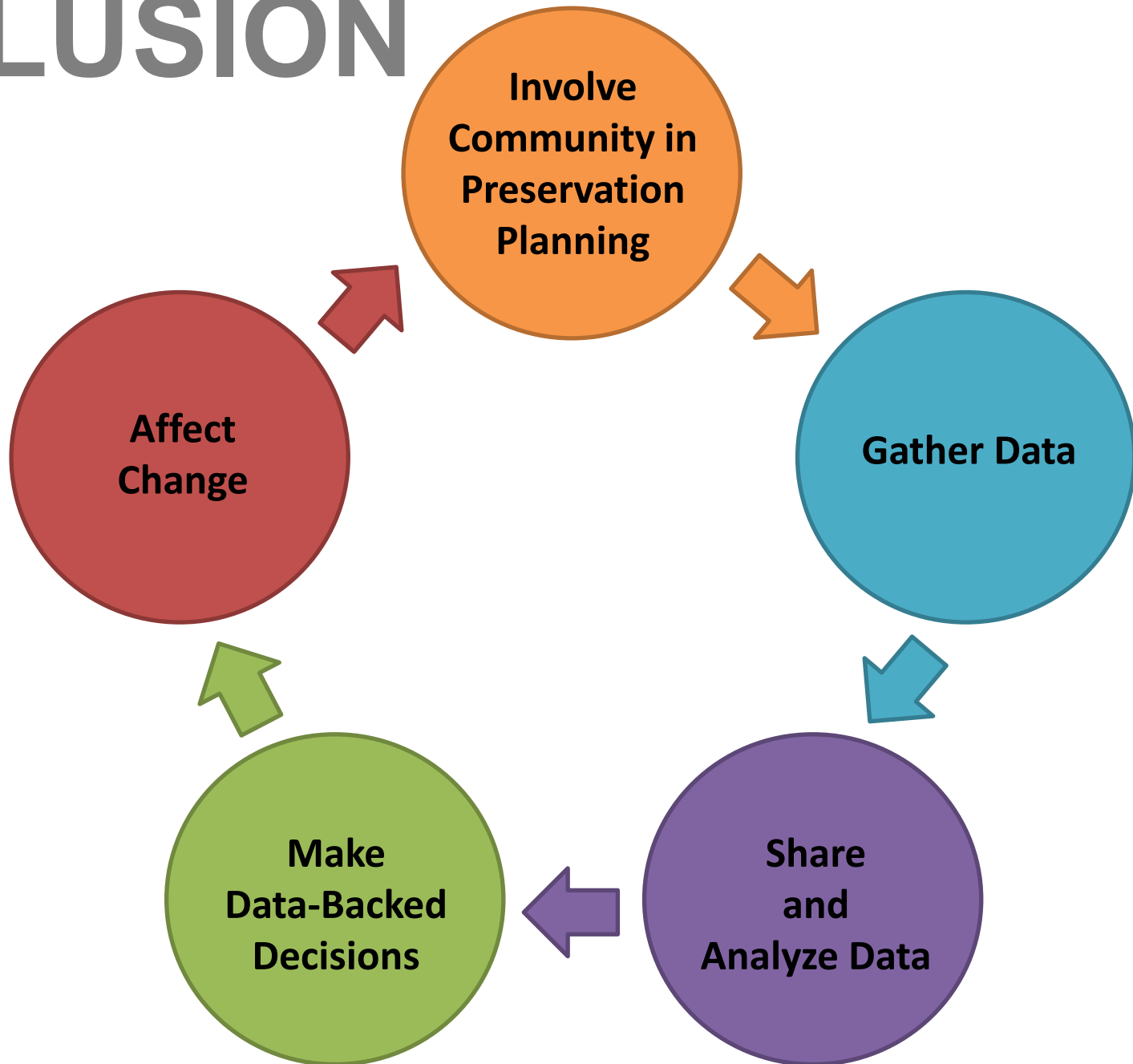




Photo by Ryan Hamlett



# SCOUT MUNCIE:

October 10 – 24, 2015  
[scoutmuncie.wordpress.com](http://scoutmuncie.wordpress.com)



# SCOUT MUNCIE: COMMUNITY COLLABORATION





Susan Lankford  
smlankford@bsu.edu  
765-749-1053

Emilie Evans  
eevans@placeeconomics.com  
202-413-3424

# Thank you!

