

MPA TEAM



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ACKNOWLEDGEMENTS



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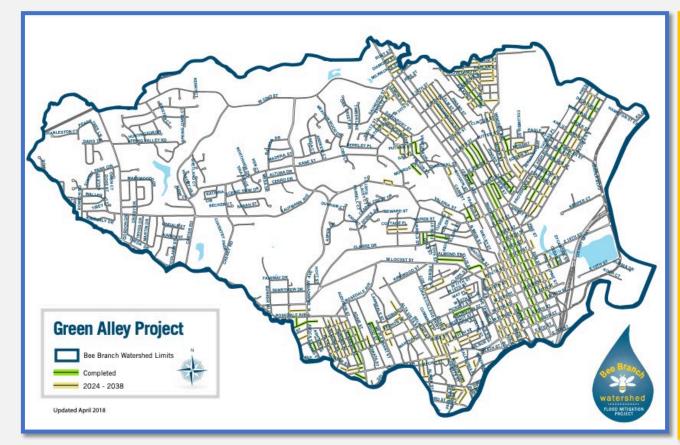


Initiative for Sustainable Communities

Special thanks to Professor Ja Young Kim, Professor Phuong Nguyen, and Professor Scott Spak for their assistance and guidance









Project Purpose

By conducting a **policy analysis** of the permeable paver system practices, we can inform the City of Dubuque of the impact of green alleys on **mitigating flooding** & improving **water quality** while also considering the effects of the policy from an **equity** and **economic** standpoint.

Policy Goals







\$ Economy

Evaluation Metrics

Water Quality

Stormwater Capture

Maintenance Cost/Plan

Construction Cos

Equitable Distribution of Costs and Benefits

Impact on Rental Housing Costs

Utilization of Financial
Assistance Among
Vulnerable Households

Property values

Full Before Implementation Implementation Implementation Environmental Economy Fiscal Responsibility Equity Policy Goals Sustainability Equitable Distribution of Costs and Benefits Evaluation Metrics Impact on Rental Stormwater Capture Housing Costs Utilization of Financial Assistance Among Vulnerable Households

Environmental Sustainability: Methods

What is the impact of the green alleys project on mitigating flooding and water quality issues?

- No current system for measuring runoff or water quality
- Alternative methods used to estimate impact
 - Literature Review
 - Expert Interviews From 20 different organizations and experts in the field.
 - National Land Cover Database (NLCD) → Green Values
 Stormwater Management Calculator
- Performance varies based on rainfall events
- Extrapolated to "full implementation" of all 240 green alleys



Environmental Sustainability: Key Findings

Literature Review



Expert Interviews

Green Values Stormwater Management Calculator Threshold ranges of total imperviousness within a watershed associated with different degrees of stream quality:

- Sensitive (1–10% impervious cover)
- Impacted (11–25% impervious cover)
- Non-supporting (26% and greater impervious cover)



Environmental Sustainability: Key Findings

Literature Review

Expert Interviews



Green Values Stormwater Management Calculator

- Negligible effect on stormwater capture
 lowa Flood Center
- High ability to reduce concentrations of solid sediments, medium ability to reduce total phosphorus and particulates, and a low ability to filter dissolved fractions (phased pollutants) – USGS



Environmental Sustainability: Key Findings

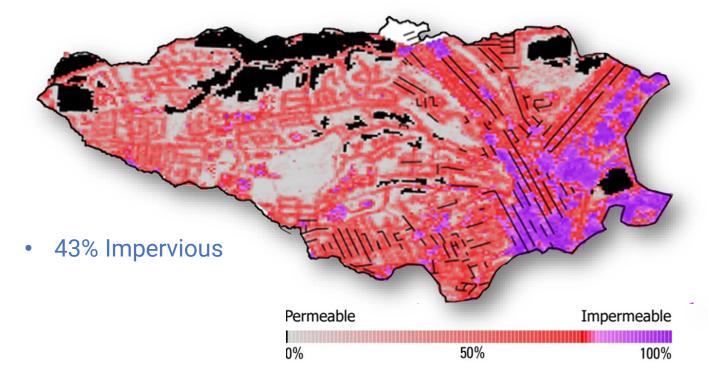
Literature Review

Expert Interviews

Green Values Stormwater Management Calculator



Permeability in the Bee Branch Watershed (2021)



- Current Implementation: 580,000 Gallons or 1% of Annual Stormwater Captured
- Full implementation: 2,070,285 Gallons or 3% of Annual Stormwater Captured

Fiscal Responsibilities: Methods

How do streamlined processes, prioritizing the ease of management, contribute to enhancing overall efficiency?

- No current maintenance plan for Green Alleyways
- Alternative methods used to estimate impact
 - Clean Water Iowa and the Department of Agriculture and Land Stewardship
 - Iowa Stormwater Education Partnership and the Iowa Department of Natural Resources
- Performance varies based on the frequency of routine maintenance



Lit Review and Expert Interviews

Proper Routine Maintenance



Maintenance Cost









Fiscal Responsibilities: Key Findings

Lit Review and Expert Interviews

Maintenance Cost

	Current	Full Implementation (est)
Construction costs	\$10 million	\$57 million
Current Costs of Annual Maintenance	\$21,221.67	\$61,363.86
Cost of Maintenance Following Recommended Best Practices	\$743,844 (recommended)	\$2,656,870 (recommended)







Fiscal Responsibilities: Key Findings - Things to Consider

Lit Review and Expert Interviews

Maintenance Cost

Maintenance Plan

- Recommended maintenance
- Frequency
- Activities



Analysis of Environmentally Sustainability and Maintenace/Fiscal Responsibility

Evaluation	Impact
Impact of <u>well-maintained</u> green alleys on reducing runoff for frequent precipitation events (e.g. 2-year)	High
Impact of green alleys on reducing runoff for frequent precipitation events based on <u>current maintenance schedule</u>	High, but potentially diminished
Impact of green alleys on reducing runoff for infrequent precipitation events (e.g. 100-year)	Negligible
Impact of green alleys on meeting Dubuque's <u>stated goals</u> for stormwater retention in the Bee Branch watershed	I-3% (Moderate)

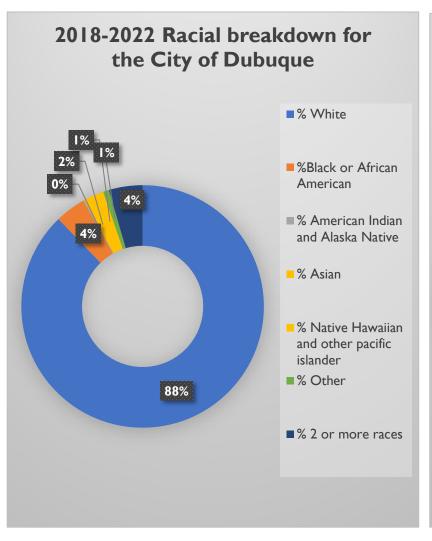


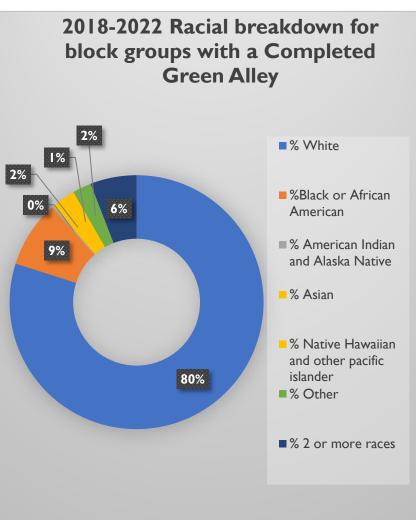
Equity: Methods

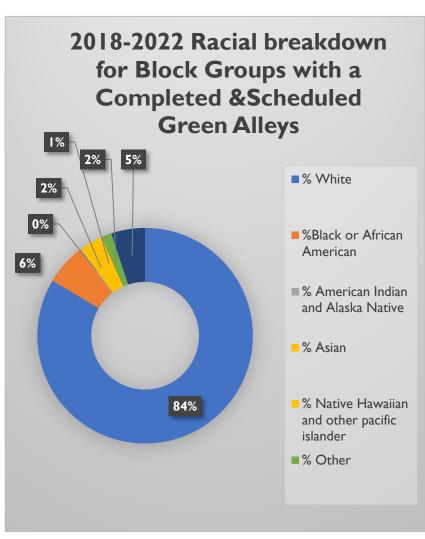
How has the implementation of green alleys contributed to the pursuit of equity in the City of Dubuque and preventing disparities among residents?

- Evaluation of the impact rental housing cost, equitable distribution of costs and benefits, and utilization of financial assistance among vulnerable household
- Conducted through comparing
 - Block groups with completed green alleys
 - Block groups with scheduled green alleys
 - Block groups without completed or scheduled green alleys
 - City of Dubuque









Current Implementation

Full Implementation

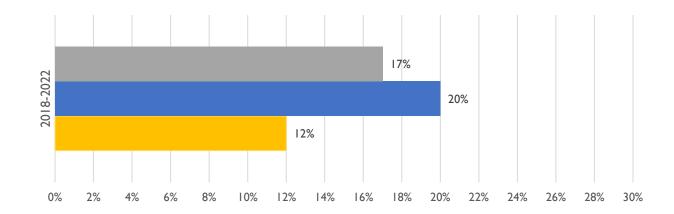
Equitable distribution of costs and benefits

Impact on rental housing cost

Utilization of financial assistance among vulnerable households

Moderate impact

Percentage of Income in the past 12 months below poverty line



- Block Groups with a Completed and Scheduled Green Alley
- Block Groups with a Completed Green Alley
- City of Dubuque



• No significant relationship between green alleys and rental costs

Median Gross Rent

Equitable distribution of costs and benefits

Impact on rental housing cost

Utilization of financial assistance among vulnerable households

	City o	of Dubuque		
	2005-2009	2018-2022	Percentage Change	
City of Dubuque	565	915	62%	
В	lock Groups with	Completed Green	Alleys	
	2005-2009	2018-2022	Percentage Change	
Block Group 2, CT 4	701	1590	127%	
В	lock Groups with	Scheduled Green A	Alleys	
2005-2009 2018-2022 Percentage Change				
Block Group 1, CT 5	461	972	111%	
Block Groups without Scheduled or Compeleted Green Alleys				
	2005-2009	2018-2022	Percentage Change	
Block Group 2, CT 101.03	957	1334	39%	

Lower Contract Rent

City of Dubuque					
	2005-2009	2018-2022	Percentage Change		
City of Dubuque	428	582	36%		
	Block Groups with	n Completed Green Alley	S		
	2005-2009	2018-2022	Percentage Change		
Block Group 2, CT 7.01	255	771	202%		
	Block Groups witl	h Scheduled Green Alleys	3		
	2005-2009	2018-2022	Percentage Change		
Block Group 4, CT 7.02	390	648	66%		
Block Groups without Scheduled or Compeleted Green Alleys					
	2005-2009	2018-2022	Percentage Change		
Block Group 3, CT 8.01	378	592	57%		



Equitable distribution of costs and benefits

Impact on rental housing cost

Utilization of financial assistance among vulnerable households

 Our findings hypothesize that more households are eligible for assistance than those receiveing it

	Total housing units	Total Special Assessments	# of households that received financial assistance	% Assessments w/ assistance	% HH Income < \$50,000	% Renters	% Non- White	Median Household Income
Census Tract 5, Block Group 3	529	80	0	0%	92%	83%	42%	\$34,688
Census Tract 9, Block Group 1	763	113	14	12%	32%	25%	7%	\$58,789

• Complicated by the percentage of renters, since that group cannot apply for financial assistance



Equity: Analysis

Evaluation	Impact
Equitable distribution of cost and benefits	Moderate
Impact on rental cost	Inconclusive
Impact on rental cost	Inconclasive
Utilization of financial assistance among vulnerable households	Low



Economy: Methods

How does the implementation of green alley influence the economy, particularly property value?

- Green alleys impact on property value
- Method: Difference in Differences
 - Treatment group (properties adjacent to GA)
 - Comparison group (properties not adjacent to GA within a census track)

Treatment Group (Properties adjacent to GA)



Comparison Group (Properties, not adjacent to GA, within a Census Block Group)



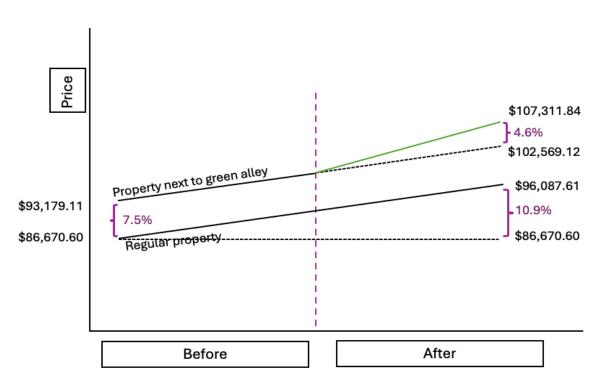
Data: time series data of 2012 and 2023



Economy: Key Findings

Impact on Property Value







Property adjacent to Green	Property NOT adjacent to Green
Alley	Alley
15.5% (2012-2023)	10.9% (2012-2023)
(X+4.6%)	(X)



Economy: Analysis

Evaluation	Current	Full Implementation
Impact on property value	\$3,710,699 (2012 dollar value)	\$11,478,124 (2012 dollar value)



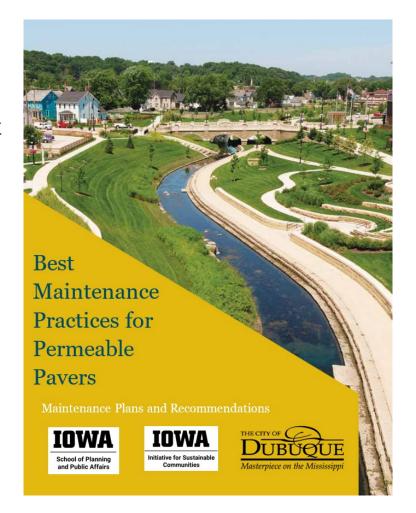
Evaluation Metrics

Goals/Metrics	Impact Categories	Before implementation	Current Implementation	Full implementation
Economy	Property values	×	\$3,710,699	\$11,478,124
Equity	Equitable distribution of costs and benefits	Low	Medium	Low
Fiscal Responsibility	Maintenance plan	\$0, no maintenance needed when there are no green alleys in place.	(Low) \$21,221.67 of maintenance a year. Recommendations suggest \$2/sq ft, totaling \$743,844 annually	(Low) \$61,363.86/year. Recommendations suggest roughly \$2/sq ft, totaling \$2,656,870 annualy
	Construction Costs	\$0	\$10 million	\$57 million
Sustainability	Water quality	Before the implementation of the permeable pavers there appears to be some work being done in the Bee Branch Watershed area to improve water quality.	No actual data, lack incentives	Low considering current degree of maintenance management - Will be much higher if following a more rigorous maintenance plan
	stormwater capture (low frequency +5 year storm events)	Low (barring other BMPs)	Low	Low
	stormwater capture (0-5 year event high frequency)	Low (barring other BMPs)	Low	Negligible - Low

Recommendations

Should the Green Alley Reconstruction Project be continued?

- Consider following the Best Maintenance Practice Plan to
 - Explore the possibility of either developing a Watershed Management Authority for the Bee Branch Watershed or including the Bee Branch within the Catfish Creek Watershed Management Plan
 - Increase knowledge of financial assistance offered for special assessments



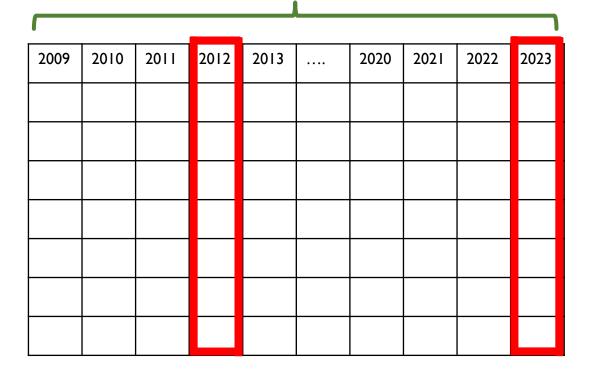


Evaluation Metrics

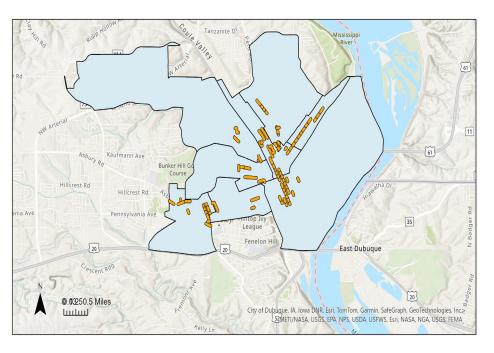
Goals/Metrics	Impact Categories	Before implementation	Current Implementation	Full implementation
Economy	Property values	X	\$3,710,699	\$11,478,124
Equity	Equitable distribution of costs and benefits	Low	Medium	Low
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	Construction Costs	\$0	\$10 million	\$57 million
Sustainability	Water quality	Before the implementation of the permeable pavers there appears to be some work being done in the Bee Branch Watershed area to improve water quality.	No actual data, lack incentives	Low considering current degree of maintenance management - Will be much higher if following a more rigorous maintenance plan
	stormwater capture (low frequency +5 year storm events)	Low (barring other BMPs)	Low	Low
	stormwater capture (0-5 year event high frequency)	Low (barring other BMPs)	Low	Negligible - Low
	Stormwater capture	0% Capture through BMP such as a permeable paver system.	I% volume capture	3.6% volume capture

Research Limitations: Economy

1) Time Series Data



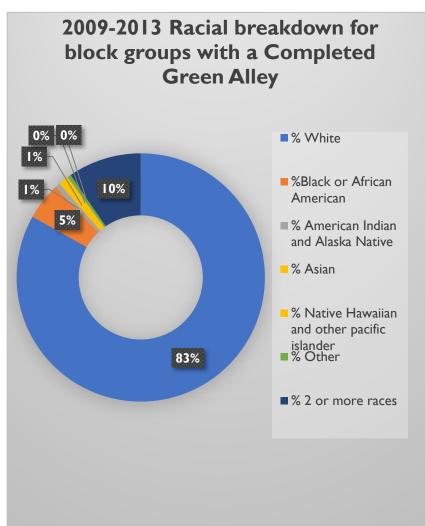
2) Control Group

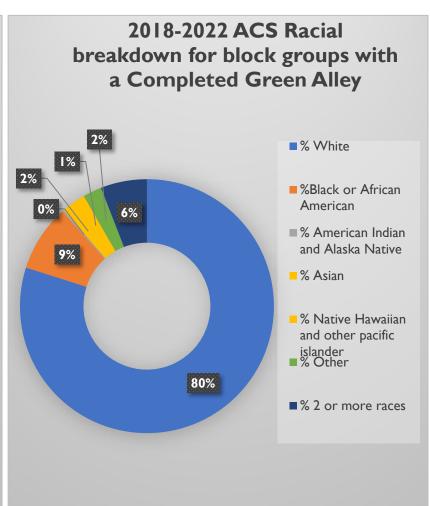


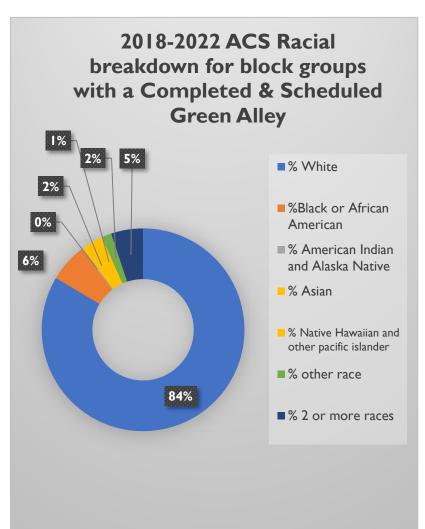
Green Alley Complete

Census Tracks

EQUITY – EQUITABLE DISTRIBUTIONS OF COST & BENEFITS







Evaluation Metrics

Goals/Metrics	Impact Categories	Before implementation	Current Implementation	Full implementation
Economy	Property values	X (2012)	X+4.6% (2023) P value = 0.002	Total number of parcels: 3,070 1,150 parcels for 80 green alleys 1,920 parcels (additional) for full implementation of alleys
Equity	Utilization of financial assistance among vulnerable households	Program did not exist	Low	Low
Fiscal Responsibility	Maintenance plan	\$0, no maintenance needed when there are no green alleys in place.	Dubuque has 371,922 sq ft of permeable pavers with a maintenance budget of \$21,221.67/year. Recommendations suggest \$2/sq ft, totaling \$743,844 annually	With current maintenance levels, they'll spend approximately \$61,363.86/year. Following the recommended \$2/sq ft, the annual cost for proper maintenance will be \$1,913,026.
	Construction Costs	\$0	\$10 million	\$57 million
	Water quality	Before the implementation of the permeable pavers there appears to be some work being done in the Bee Branch Watershed area to improve water quality.	No actual data, lack incentives	Low considering current degree of maintenance management - Will be much higher if following a more rigorous maintenance plan
Sustainability	stormwater capture (low frequency)	Low (barring other BMPs)	Low	Low
	stormwater capture in a 2-5 year event (high frequency)	Low (barring other BMPs)	Low	Negligible
	Stormwater capture	0% Capture through BMP such as a permeable paver system.	1% capture of the average annual rainfall based on the City's Volume Capacity Capture Goal of 1.2".	The Green Infrastructure applied in this scenario increases the area's potential volume capture capacity by 276,757cubic ft, 207,0288.5 gallons, or 3.6% of the desired goal.



Green Improvements



Rainfall data for: Dubuque, IA

close

Avg. Annual Rainfall: 36.00 inches ?

Volume Capacity Capture Goal

Increase the capacity of the landscape to capture at least 1.2

inches of water over the impervious areas. For this scenario that is equal to 7,791,600 ft³ or a volume of 58,285,220 gallon.

Define how much water you want to capture. A common goal municipalities often suggest is to capture a volume equal to ½ inch of rain falling on the impervious elements of the site. Note that this goal is simply the increase in the potential volume of rainfall that the area can absorb.

Precipitation Depth Capture (in): 1.2

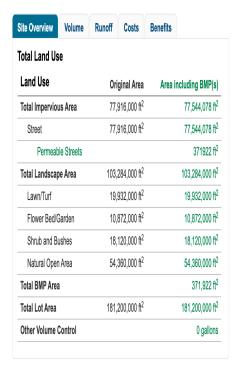
Volume Captured Over:

O Whole Site Impervious Surface



Total Cost: \$4,661,085

Results: The green infrastructure applied in this scenario increases the area's potential volume capture capacity by 77,483.8 ft³ or 1% of the desired goal.



Site Information

Green Improvements







edit

close

Land Use

Street

Total Impervious Area

Total Landscape Area

Flower Bed/Garden

Shrub and Bushes

Natural Open Area

Other Volume Control

Total BMP Area

Total Lot Area

Lawn/Turf

Permeable Streets

Total Cost: \$16,648,514

Runoff Costs Benefits

Original Area

77.916.000 ft²

77.916.000 ft²

103.284.000 ft²

19.932.000 ft²

10,872,000 ft²

18.120.000 ft²

54.360.000 ft²

181,200,000 ft²

Area including BMP(s)

76,587,565 ft²

76.587.565 ft²

1328435 ft²

103.284.000 ft²

19.932.000 ft²

10,872,000 ft²

18,120,000 ft²

54.360.000 ft²

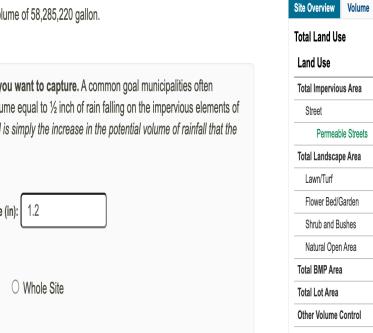
1,328,435 ft²

181.200.000 ft²

0 gallons

Results: The green infrastructure applied in this scenario increases the area's potential volume capture capacity by **276.757.3** ft³ or **3.6**% of the desired goal.





Volume Capacity Capture Goal

Rainfall data for: Dubuque, IA

Avg. Annual Rainfall: 36.00 inches ?

Increase the capacity of the landscape to capture at least 1.2 inches of water over the impervious areas. For this scenario that is equal to 7,791,600 ft³ or a volume of 58,285,220 gallon.

Define how much water you want to capture. A common goal municipalities often suggest is to capture a volume equal to ½ inch of rain falling on the impervious elements of the site. Note that this goal is simply the increase in the potential volume of rainfall that the area can absorb.

Precipitation Depth Capture (in): 1.2

Volume Captured Over:

Impervious Surface



Total Cost: \$4,661,085

Results: The green infrastructure applied in this scenario increases the area's potential volume capture capacity by **77,483.8** ft³ or **1**% of the desired goal.



77,483.8

1 %

579.618.7

Total of all BMPs

Percentage of Volume Capacity Capture Goal



Total Cost: \$16,648,514

Results: The green infrastructure applied in this scenario increases the area's potential volume capture capacity by **276,757.3** ft³ or **3.6**% of the desired goal.



Volume Control

Required Volume Capture Potential from 1.2" over 77916000 ft² of impervious area is: 7,791,600 ft³ or 58,285,220 Gallons.

ВМР	ft ³	Gallons
Permeable Streets	276757.3	2070288.5
Total of all BMPs	276,757.3	2,070,288.5
Percentage of Volume Capacity Capture Goal	3.6	%

Results: The green infrastructure applied in this scenario increases the area's potential volume capture capacity by **77,483.8** ft³ or **1**% of the desired goal.

Volume Costs **Benefits** Runoff Site Overview **Runoff and Hydrology** Runoff Without BMPs With BMPs Difference Average Annual Rainfall: 36" Rain 3.651" 3.626" 1% Runoff Runoff Volume 55124127.7 ft³ 54746736.7 ft³ 377391 ft³ 412357139.4 gal. 409534058.6 gal. 2823080.8 gal. Average Storm Rainfall: 2.30" Rain 0.958" 0.954" 0% Runoff 55718.7 ft³ 14465615.7 ft³ 14409897 ft³ Runoff Volume 108210327.6 gal. 107793522.5 gal. 416805.1 gal. Without BMPs With BMPs Hydrology Difference Average Initial Abstractions Rainfall: "Rain Initial Abstractions 0.38" 0.39" 0% 5790942.68 ft³ 5818873.87 ft³ 27931.2 ft³ Initial Abstractions 43319262.51 gal. 43528202.4 gal. 208939.89 gal. Volume Average Cumulative Abstractions 1.92" 1.93" 0.01% Cumulative Abstractions 139655.99 ft³ 28954713.38 ft³ 29094369.37 ft³ Cumulative 216596312.56 gal. 217641011.99 gal. 1044699.43 gal. Abstractions Volume Curve Number 83.9 83.8

Results: The green infrastructure applied in this scenario increases the area's potential volume capture capacity by **276,757.3** ft³ or **3.6**% of the desired goal.

Site Overview	Volume	Runoff	Costs	Benefits	
Runoff and Hyd	irology				
Runoff		Without BMPs		With BMPs	Difference
Average Annual R	ainfall: 36"	Rain			
Runoff		3.651"		3.562"	2%
Runoff Volume		5124127.7 ft ³ 57139.4 gal.		787996.3 ft ³ 62182.2 gal.	1336131.3 ft ³ 9994957.2 gal.
Average Storm Ra	ainfall: 2.30	" Rain			
Runoff		0.958"		0.945"	1%
Runoff Volume	-	1465615.7 ft ³ 210327.6 gal.		267159.2 ft ³ 25769.8 gal.	198456.5 ft ³ 1484557.8 gal
Hydrology	V	Vithout BMPs	s	With BMPs	Difference
Average Initial Abs	stractions F	Rainfall: " Rair	1		
Initial Abstraction	ons	0.38	"	0.39"	0.01%
Initial Abstraction		5790942.68 ft ³ 43319262.51 gal.		390983.81 ft ³ 37622.23 gal.	100041.14 ft ³ 748359.71 gal.
Average Cumulati	ve Abstrac	tions			
Cumulative Abstractions		1.92"		1.95"	0.03%
Cumulative Abstractions		28954713.38 ft ³ 216596312.56 gal.		54919.06 ft ³ 88111.13 gal.	500205.68 ft ³ 3741798.57 gal.
Volume					

EASE OF MANAGEMENT





SORT



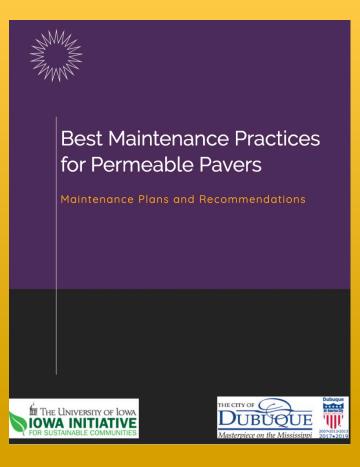








FINDINGS



EASE OF MANAGEMENT

Goals/Metrics	mpact Categories	Before implementation	After implementation	Full implementation
Ease of Management	Maintenance plan	Non-existent, would send staff to provide maintenance when time and staff availability allowed.		When following a routine maintenance plan as suggested from the IDNR and Clean Water Iowa/ The Iowa Department of Agriculture and Land Stewardship the permeable paver system will work more effectively in terms of flood mitigation and improving water quality when compared to not adhering to the suggested routine maintenance plan.
	Funding mechanism	City of Dubuque's Public Works budget	After creating a Watershed Management Authority to oversee the Bee Branch Watershed the City of Dubuque will be eligible to receive funding from the IDNR and the USDA-NRCS so that they can carry out necessary maintenance and planning for the watershed.	











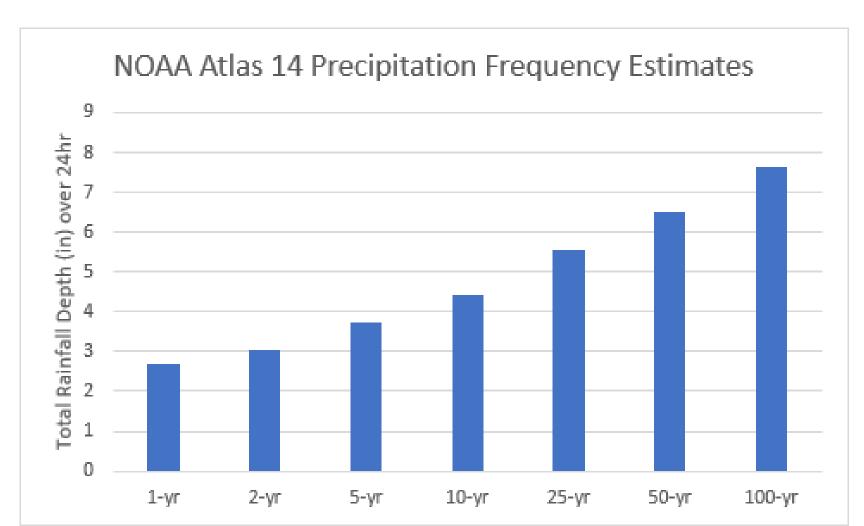


Literature Review

Green Values Stormwater Management Calculator

Expert Interviews

Daniel Gilles, PE
 Water Resources Engineer, IIHR Hydroscience & Engineering
 Do I discuss water quality here or on a duplicate slide?



EQUITY – IMPACT ON RENTAL HOUSING COST

Median Gross Rent

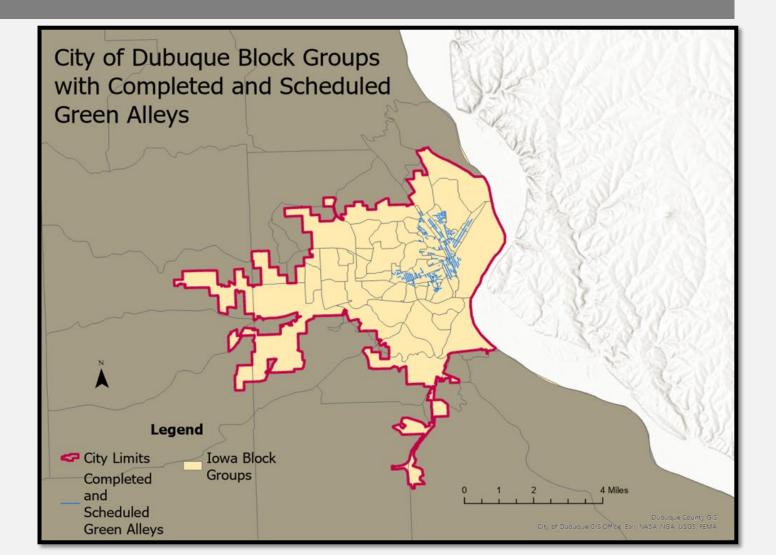
	2005-2009	2018-2022	Percentage Change				
City of Dubuque	565	915	62%				
Block Groups with Completed Green Alleys							
	2005-2009	2018-2022	Percentage Change				
Block Group 1, CT 1	515	902	75%				
Block Group 1, CT 3	697	684	-2%				
Block Group 2, CT 4	701	1590	127%				
Block Group 2, CT 5	520	738	42%				
Block Group 1, CT 6,	519	1000	93%				
Block Group 2, CT 6	494	724	47%				
Block Group I, CT 7.01	674	1244	85%				
Block Group 2, CT 7.01	378	995	163%				
	Block Groups with Sched	luled Green Alleys					
	2005-2009	2018-2022	Percentage Change				
Block Group 2, CT I	N/A	811	#VALUE!				
Block Group 1, CT 5	461	972	111%				
Block Group 3, CT 7.01	766	N/A	#VALUE!				
Block Group I, CT 7.02	588	745	27%				
Block Group 2, CT 7.02	642	966	50%				
Block Group 4, CT 7.02	543	967	78%				
Block Group 3, CT 11.04	N/A	856	#VALUE!				
Block Group 4, CT 11.04	N/A	N/A	#VALUE!				
Block Groups without Scheduled or Compeleted Green Alleys							
	2005-2009	2018-2022	Percentage Change				
Block Group 3, CT 6	573	1651	188%				
Block Group 2, CT 8.01	625	817	31%				
Block Group 3, CT 8.01	663	855	29%				
Block Group 3, CT 9	1031	895	-13%				
Block Group 2, CT 11.01	532	721	36%				
Block Group 1, CT 12.01	508	728	43%				
Block Group 2, CT 12.01	710	961	35%				
Block Group 2, CT 101.03	957	1334	39%				

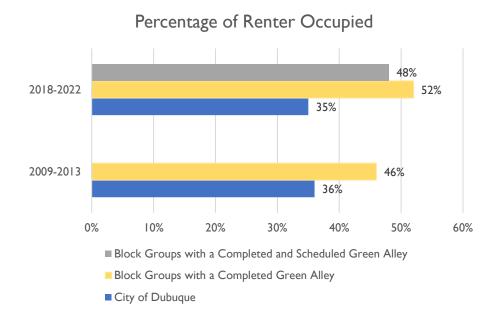
Lower Contract Rent

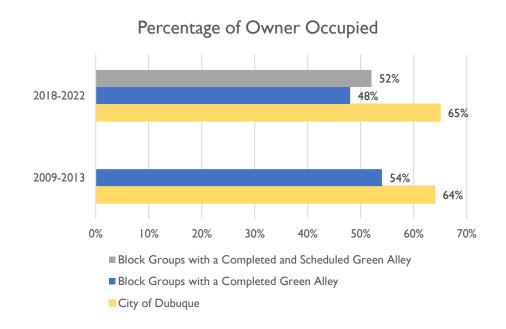
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City of Dubuque	428	582	36%				
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	2005-2009	2018-2022	Percentage Change				
Block Group I, CT I	244	567	132%				
Block Group I, CT 3	389	413	6%				
Block Group 2, CT 4	376	906	141%				
Block Group 1, CT 6,	382	413	8%				
Block Group 2, CT 6	318	498	57%				
Block Group 1, CT 7.01	373	891	139%				
Block Group 2, CT 7.01	255	771	202%				
Block Gro	oups with Scheduled Green Alle	evs					
	2005-2009	2018-2022	Percentage Change				
Block Group 2, CT I	N/A	556	#VALUE!				
Block Group 1, CT 5	249	544	118%				
Block Group 3, CT 7.01	390	487	25%				
Block Group 1, CT 7.02	464	660	42%				
Block Group 2, CT 7.02	419	629	50%				
Block Group 4, CT 7.02	390	648	66%				
Block Group 3, CT 11.04	N/A	680	#VALUE!				
Block Groups without completed or scheduled Green Alleys							
	2005-2009	2018-2022	Percentage Change				
Block Group 2, CT 8.01	308	656	113%				
Block Group 3, CT 8.01	378	592	57%				
Block Group 3, CT 9	561	608	8%				
Block Group I, CT 11.01	575	618	7%				
Block Group I, CT I2.01	347	461	33%				
Block Group 2, CT 12.01	604	817	35%				
Block Group 1, CT 12.02	411	640	56%				

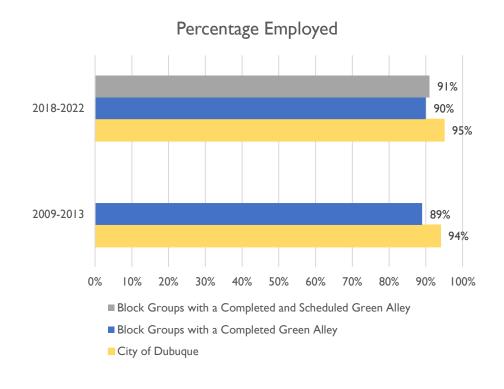
EQUITY

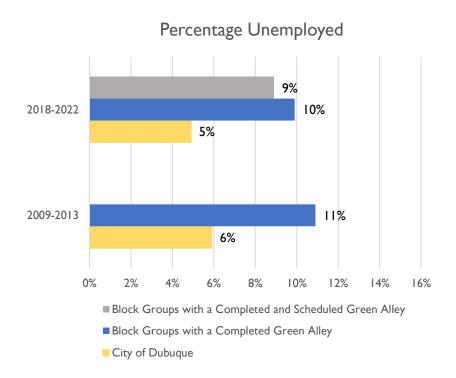
How has the implementation of green alleys contributed to the pursuit of equity in the City of Dubuque and preventing disparities among residents?

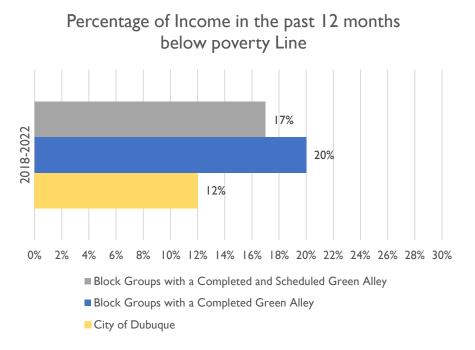


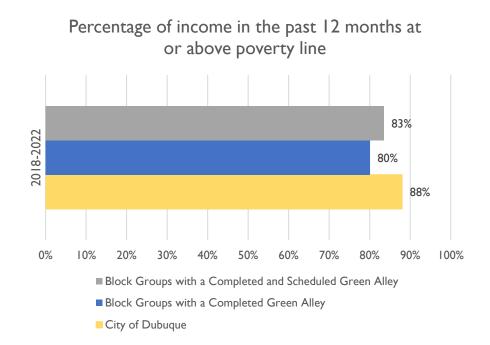


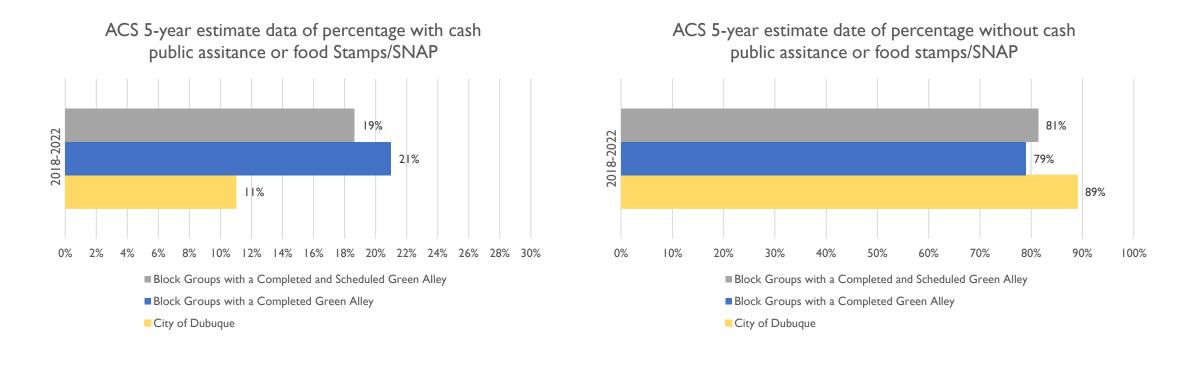


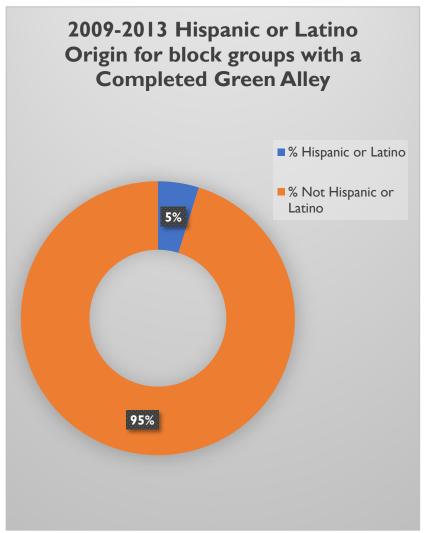


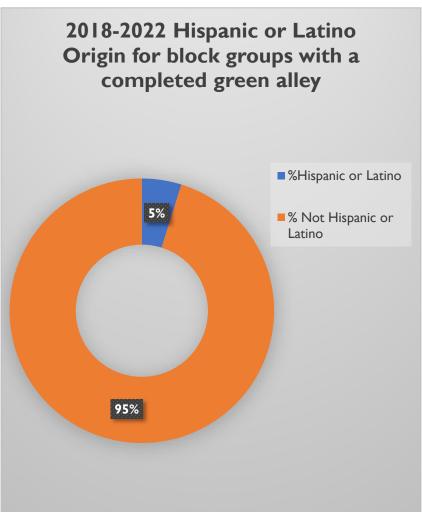


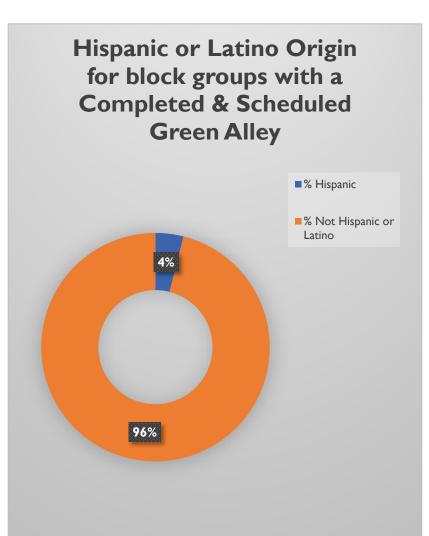


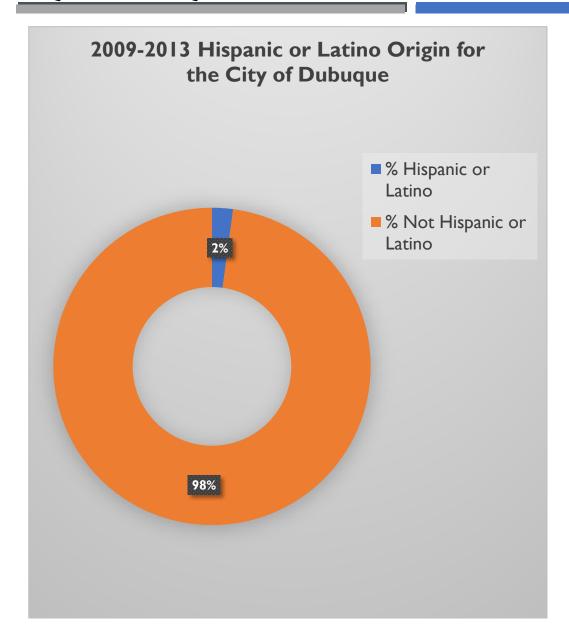


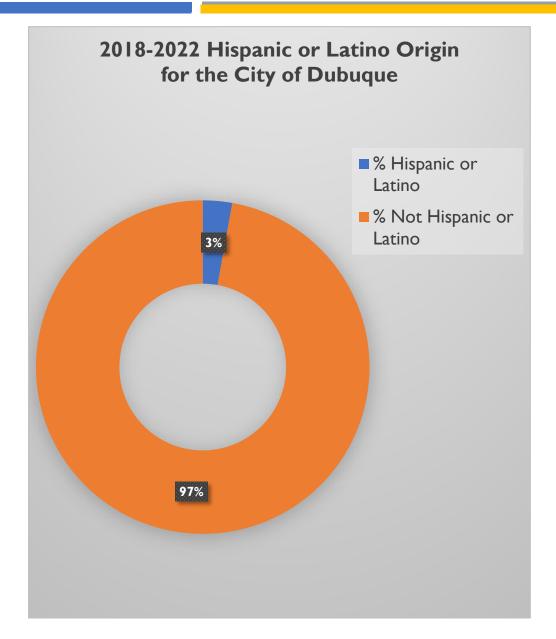












	Total housing units	Total Special Assessments	# of households that received financial assistance	% Assessments w/ assistance	% HH Income < \$50,000	% Renters	% Non- White	Median Household Income
Census Tract 1, Block Group 1	826	126	7	6%	55%	86%	18%	\$46,050
Census Tract 1, Block Group 3	521	40	0	0%	35%	79%	50%	\$60,938
Census Tract 3, Block Group1	826	71	0	0%	54%	22%	8%	\$47,386
Census Tract 3, Block Group 2	411	81	0	0%	47%	42%	28%	\$52,431
Census Tract 4, Block Group 1	474	30	5	17%	28%	15%	7%	\$71,250
Census Tract 4, Block Group 2	558	55	11	20%	50%	38%	25%	\$50,865
Census Tract 5, Block Group 2	345	107	12	11%	81%	41%	9%	\$30,104
Census Tract 5, Block Group 3	529	80	0	0%	92%	83%	42%	\$34,688
Census Tract 5, Block Group 4	615	140	7	5%	61%	66%	16%	\$36,250
Census Tract 6, Block Group 1	341	39	0	0%	27%	23%	28%	\$63,750
Census Tract 6, Block Group 2	554	64	1	2%	72%	85%	22%	N/A
Census Tract 7.01, Block group 1	545	29	0	0%	55%	75%	23%	\$44,342
Census Tract 7.01, Block Group 2	391	5	0	0%	48%	72%	18%	N/A
Census Tract 9, Block Group 1	763	113	14	12%	32%	25%	7%	\$58,789
Census Tract 9, Block Group 2	272	23	1	4%	39%	17%	16%	\$68,209
Census Tract 11.04, Block Group 1	322	12	2	17%	51%	43%	0%	N/A
Census Tract 11.04, Block Group 2	443	40	8	20%	36%	32%	9%	\$73,365