



# 2022 Sidewalk Repair Summary



**Presented to: Jason Irvin  
Village of Huntley  
2022 Project**

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# Objectives & Results

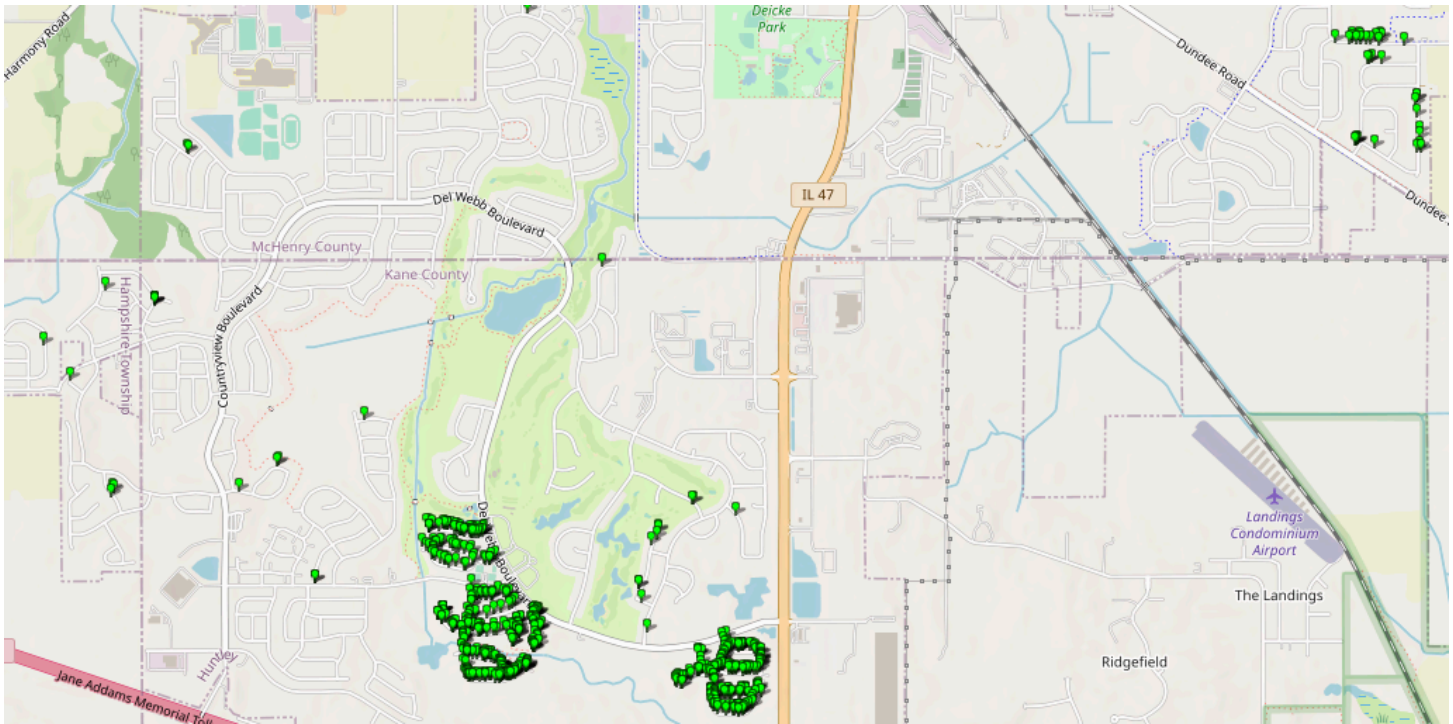
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## Your Objectives

1. Utilize saw-cutting to achieve an increase in the number of panels repaired
  - **Result:** In 2022, the Village of Huntley repaired an extra **344** unsafe sidewalk panels using saw-cutting
  - Including all projects from 2019-2022, the Village of Huntley repaired an extra **2,839** unsafe sidewalk panels
2. Develop a strategic and proactive program to identify sidewalk defects until budget is reached
  - **Result:** Safe Step LLC consulted with the Village of Huntley to establish a 25 point criteria for defect identification and classification and confirmed the sidewalk areas/locations to be evaluated
  - The Village of Huntley provided **1** priority area (Sun City), totaling approximately **11.72** sidewalk miles to evaluate; **6.18** of those miles were able to be evaluated for saw-cutting and R&R defects until the budget was reached
3. Obtain accurate documentation for decision-making and record-keeping
  - **Result:** Safe Step LLC provided defect data through their exclusive online portal
  - The Village of Huntley maintains full control to review and choose preferred repair types for each defect evaluated in the project area
  - The data included the nearest defect address, defect measurements and photos, a map view of all defects, and other relevant notes; Completed saw-cutting repairs also include a repair photo for quality control and timestamp for record-keeping
4. Decrease staff time and costs for sidewalk evaluations, documentation, and project management
  - **Result:** The Village of Huntley saved an estimated **47.49** engineering and management hours utilizing Safe Step LLC for the sidewalk consultation and reporting of **13,728** data points collected during the sidewalk evaluation; These costs are included as part of Safe Step's saw-cutting repairs
5. Included the evaluation and repair of a list of individual sidewalk defect service requests
  - **Result:** Safe Step evaluated and repaired a total of **66** individual locations throughout the Village. This saves significant time and management hours for village personnel and reassures the Village that all these locations will be checked, assessed, repaired, and documented.
6. Evaluated and marked R&R locations to be repaired in 2023
  - **Result:** Safe Step surveyed, evaluated, and marked approximately 37 miles of sidewalk and provided addresses, locations, and sq. ft. of slabs needing replacement for the 2023 replacement project. This enabled the village to provide quantities for bidding purposes.



# Saw-Cutting Repair Locations



Due to the limitations of GPS mobile app technology, the locations shown above should be relied upon as approximate to their actual locations. Map Data: Google

The green markers on this map indicate the locations of sidewalk defects repaired in 2022, includes Sun City criteria area and service requests.

## 2016-2022 Sidewalk Project Information

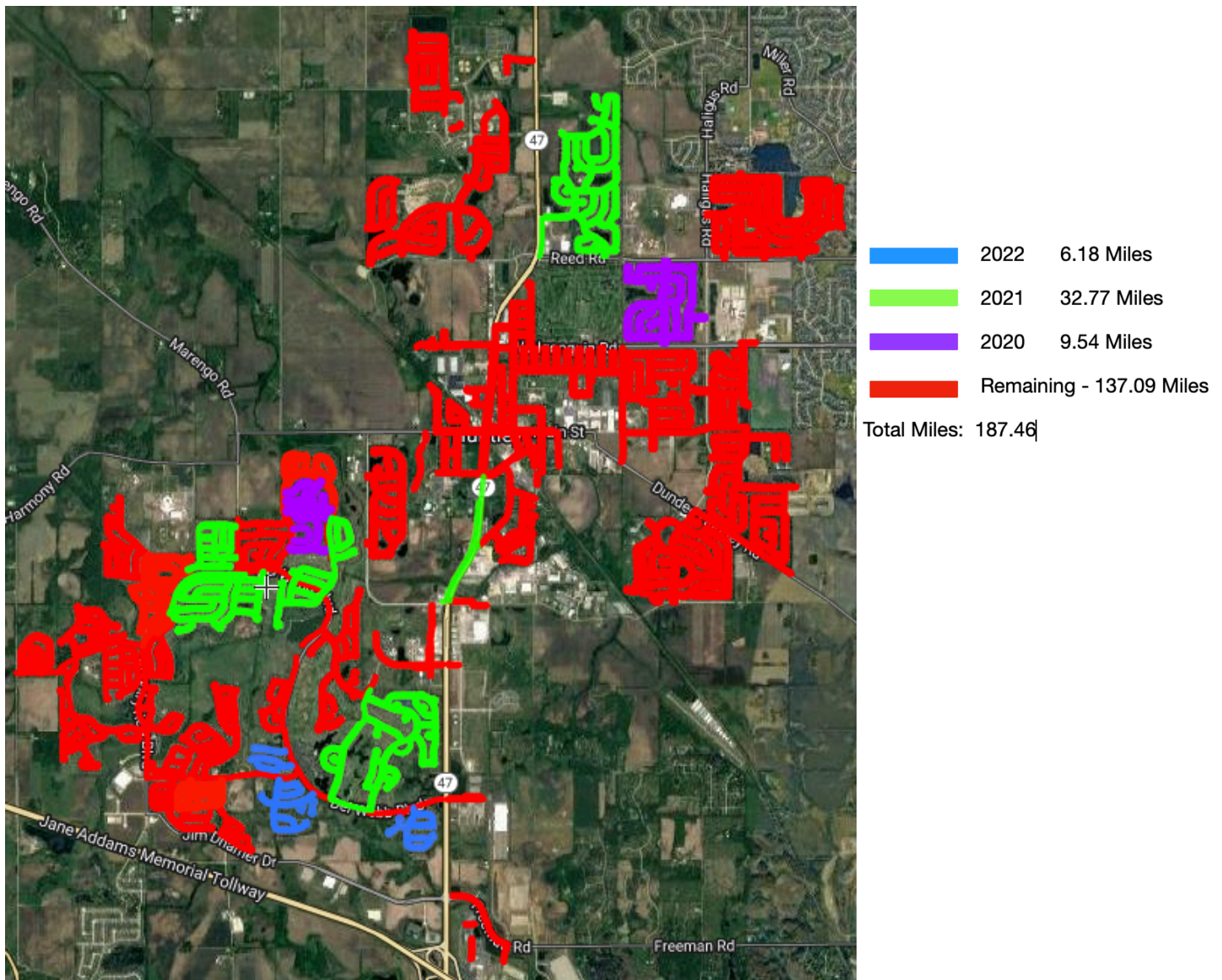
Project Year	Offset Criteria	Sidewalk Avg Width	Saw-cut Repairs	Total Cost of Saw-Cutting	Miles Repaired*	Sawcut Cost / Mile	Sq. Ft. Saved	# of Repairs if R&R used	Additional Repairs Using Safe Step	R&R Sq. Ft. Price
2019 Service Requests	1/4" - 3/4"	5.0	266	\$22,656	NA	NA	7,843	102	164	\$7.50
2020	3/8" - 1 3/8"	5.0	1439	\$97,329	9.5	\$10,245	36,692	509	930	\$7.50
2021	3/8" - 1 3/8"	5.0	1855	\$125,736	31.40	\$4,004	49,715	626	1,229	\$7.50
2021 Service Requests	3/8" - 1 3/8"	5.0	299	\$24,021	NA	NA	7,510	128	171	\$7.50
2022	3/8" - 1 3/8"	4.1	506	\$41,683	6.4	\$6,513	13,734	162	344	\$9.50
<b>2016 - 2022</b>		<b>4.8</b>	<b>4,365</b>	<b>\$311,425</b>	<b>47.30</b>	<b>\$6,584</b>	<b>115,494</b>	<b>1,526</b>	<b>2,839</b>	

\*Sidewalk miles repaired are based on survey of sidewalk segments by offset criteria - scatter sites mileage not determined

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# Sidewalk Repair Program Progress



The map above shows the sidewalk areas that have been completed from 2020 onward.

Map Data: Google

Red highlighting indicates areas not yet evaluated or repaired. Various colored highlighting indicates the sidewalks that have been evaluated and repaired.

## Estimated Sidewalk Infrastructure Value

Estimated Sidewalk Miles	Avg Width	Estimated Sq. Ft Cost	Total Value of Sidewalk
187.46	4.8	\$9.50	\$45,134,369

## Life Cycle Progress

Current Budget	Avg Saw-Cut / Mile	Sidewalk Miles To Be Repaired	Years Remaining
\$95,000	\$6,584.00	137.1	10

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# Additional Benefits

## Engineering Time Saved

1. The Village of Huntley saved approximately **47.49 engineering hours** utilizing Safe Step LLC
2. This engineering time can be broken into three major categories:
  1. **Evaluation time:** Mapping and verifying sidewalk areas, defining and confirming a 25 point defect evaluation criteria, mobilizing, assessing each sidewalk panel, accurately capturing 26 key data points, photographing and time-stamping each defect, and physically marking sidewalk panels as appropriate
  2. **Data validation time:** Processing and validating data for accuracy, preparing reports for project execution, archiving defect data for record-keeping, and preparing this yearly summary for review and future decision-making
  3. **Project management time:** Verifying contractor's work, communication with contractor, quality assurance checks, interacting with residents, and more. Safe Step LLC's exclusive online portal allows city personnel to maintain control of the project with an easy method to review defects and photos, select preferred repair types, observe project completion, and ensure quality with completed repair photos, minimizing visits to the sidewalks



**Sample Repair Photo:** Defect 4 repaired on 11/10/22  
at 02:37 PM at 11782 Sunderlin Dr

Completed repair photos and timestamps help ensure repair quality

## Public Support for Safe, Walkable Sidewalks

1. **85.9%** of adults think it important to find a walkable community with safe sidewalks when looking for a new place to live
2. **87%** of Americans feel that it is important for local governments to achieve ADA compliance and for sidewalks to be accessible for those with disabilities
3. **84.7%** of adults believe it is important to use local tax dollars toward sidewalks

Results based on a nationwide survey conducted in April 2019 by Praecones Analytics