



2023 Sidewalk Program Pilot Summary

**Presented to: Ron Wiedeman
City of Crest Hill
2023**



Objectives & Results

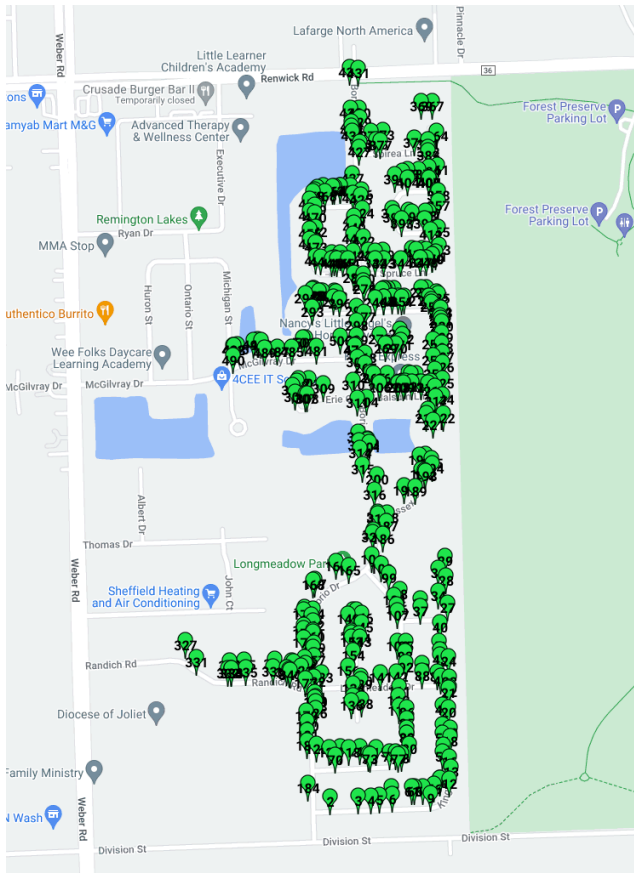
Your Objectives

1. Execute sidewalk program pilot with customized defect criteria to assess current condition
 - **Result:** 7.6 of the 9.24 sidewalk miles provided were evaluated for all methods of remediation.
2. Utilize saw-cutting to achieve an increase in the number of panels repaired
 - **Result:** In 2023, the City repaired an extra **306** unsafe sidewalk panels using saw-cutting.
3. Develop a strategic and proactive program to identify sidewalk defects until budget is reached
 - **Result:** Safe Step LLC consulted with City of Crest Hill to establish a 25 point criteria for defect identification and classification and confirmed the sidewalk areas/locations to be evaluated.
4. Obtain accurate documentation for decision-making and record-keeping
 - **Result:** Safe Step LLC provided defect data through their exclusive online portal “**Sidewalk Central.**”
 - City of Crest Hill 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.
5. Decrease staff time and costs for sidewalk evaluations, documentation, and project management
 - **Result:** City of Crest Hill saved an estimated 59 engineering and management hours utilizing Safe Step LLC for the sidewalk consultation and reporting of 13,182 data points collected during the sidewalk evaluation; These costs are included as part of Safe Step's saw-cutting repairs.

Feedback from Crest Hill:

1. The sidewalk program process went smoothly.
2. Ron was able to review the work in-person said the quality of repairs look good.
3. Safe Step will survey the driveways we bypassed in the pilot for saw-cutting instead of R&R as part of the 2024 project.
4. Ron would like to apply the defect criteria from the pilot to the 2024 project without changes.

Saw-Cutting Repair Locations



The green markers on the map to the left indicate the locations of sidewalk defects repaired in 2023.

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

2023 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
2023	1/2" - 2"	4.99	376	\$33,078	7.60	\$4,352	11,061	70	306	\$16.00
2023		5.0	376	\$33,078	7.60	\$4,352	11,061	70	306	

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

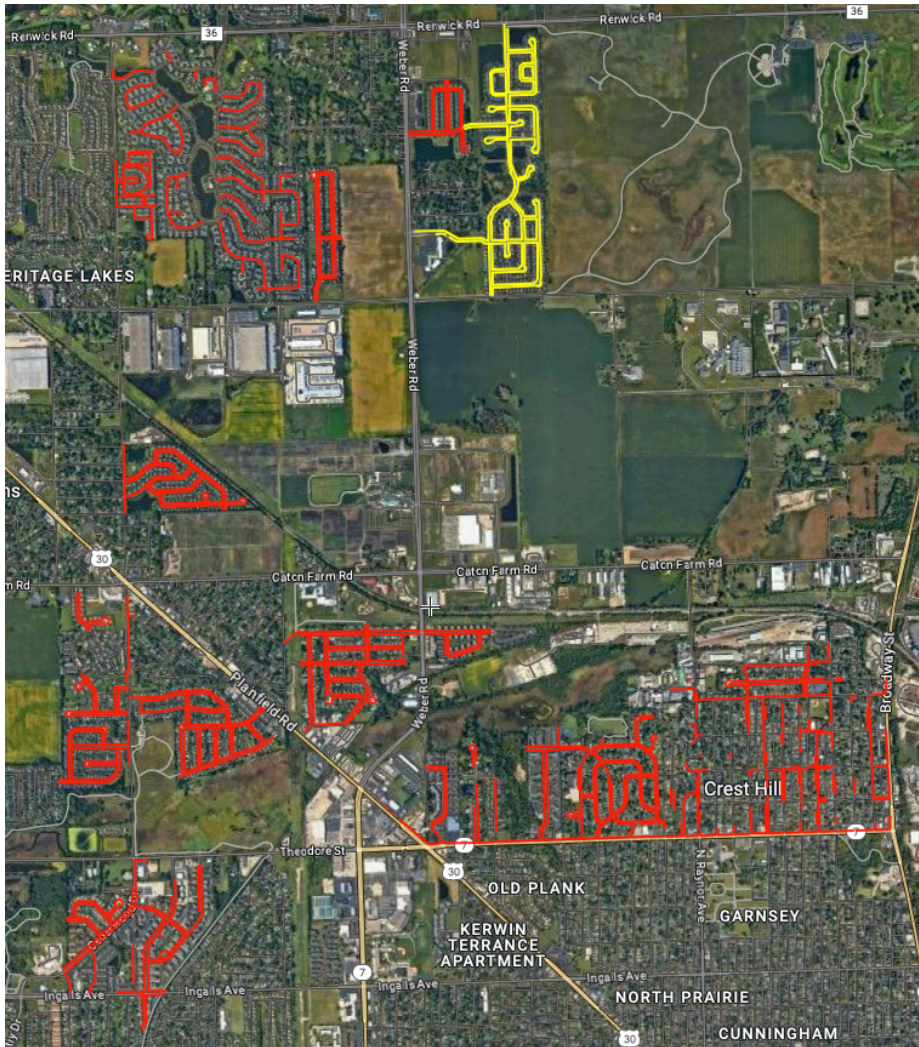
2023 Sidewalk R&R Information

Project Year	5 Inch SqFt	5 Inch Est. Cost	6 Inch SqFt	6 Inch Est. Cost	Total R&R Cost	R&R Cost Per Mile
2023	4909.51	\$78,552	1,633.2	\$29,398	\$107,950	\$14,203.92
2023	4,909.51	\$78,552	1,633.20	\$29,398	\$107,950	\$14,203.92

*

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Sidewalk Repair Program Progress



2023 7.60 Miles
 Remaining - 47.45 Miles
Total Miles 55.05

The map above shows the sidewalk areas that have been completed from 2023 onward.

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

Map Data: Google

Estimated Sidewalk Infrastructure Value

Estimated Sidewalk Miles	Avg Width	Estimated Sq. Ft Cost	Total Value of Sidewalk
55.05	4.99	\$16.00	\$23,206,614

Life Cycle Progress

Current Budget	Avg Saw-Cut / Mile	Sidewalk Miles To Be Repaired	Years Remaining
\$36,000	\$4,352.00	47.5	6

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Additional Benefits

Engineering Time Saved

1. City of Crest Hill saved approximately **59 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 392 repaired on 12/21/23 at 16038 Arborvitae Circle.

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