



2021 Sidewalk Repair Summary



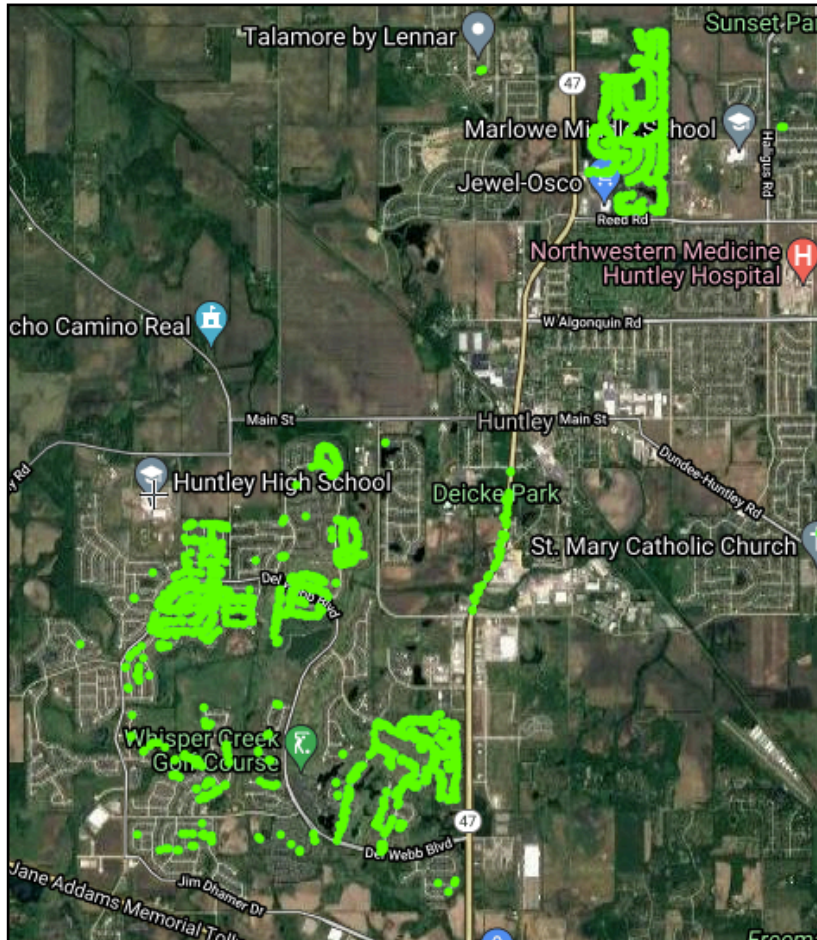
**Presented to: Jason Irvin
Village of Huntley
February 2022**

Objectives & Results

Your Objectives

1. Utilize saw-cutting to achieve an increase in the number of displaced panels repaired
 - **Result:** In 2021, the Village repaired an extra **1,347** unsafe sidewalk panels using saw-cutting
 - Including all projects from 2019-2021, Huntley repaired an extra **2,413** unsafe sidewalk panels
2. Develop an ongoing strategic and proactive program to identify and repair sidewalk defects
 - **Result:** Safe Step LLC consulted with Huntley to establish a 25 point criteria for defect identification and classification and confirmed the sidewalk areas or locations to be evaluated
 - Huntley provided **3** priority areas, totaling approximately **31.4** sidewalk miles to evaluate; Safe Step evaluated these areas for saw-cutting defects within the established **\$150K** budget
3. Obtain accurate documentation for decision-making and record-keeping
 - **Result:** Safe Step LLC provided defect data through their exclusive online portal
 - 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:** Huntley saved an estimated **203** engineering and management hours utilizing Safe Step LLC for the sidewalk consultation and reporting of **53,850** data points collected during the sidewalk evaluation; These costs are included as part of Safe Step's saw-cutting repair
5. Include the evaluation and repair of a list of individual sidewalk defect service requests
 - **Result:** Safe Step evaluated and repaired a total of **299** 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.

Saw-Cutting Repair Locations



The green markers on the map to the left indicate all of the locations of sidewalk defects repaired in 2021.

These locations also include the service requested repairs.

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

3 Year Sidewalk Project Information

Project Year	Offset Criteria	Sidewalk Avg Width	Saw-cut Repairs	Total Cost of Saw-Cutting	Miles Repaired*	Cost Per Mile	Sq. Ft.	Repairs If Replaced	Additional Repairs Using Safe Step
2019 Service Requests	1/4" - 3/4"	5.0	266	\$19,446	NA	NA	7,843	94	172
2020	3/8" - 1 3/8"	5.0	1439	\$97,329	9.5	\$10,245	36,692	545	894
2021	3/8" - 1 3/8"	5.0	1855	\$125,736	31.40	\$4,004	49,715	670	1,185
2021 Service Requests	3/8" - 1 3/8"	5.0	299	\$24,021	NA	NA	7,510	137	162
		5.0	3,859	\$266,532	40.90	\$5,454	101,760	1,446	2,413

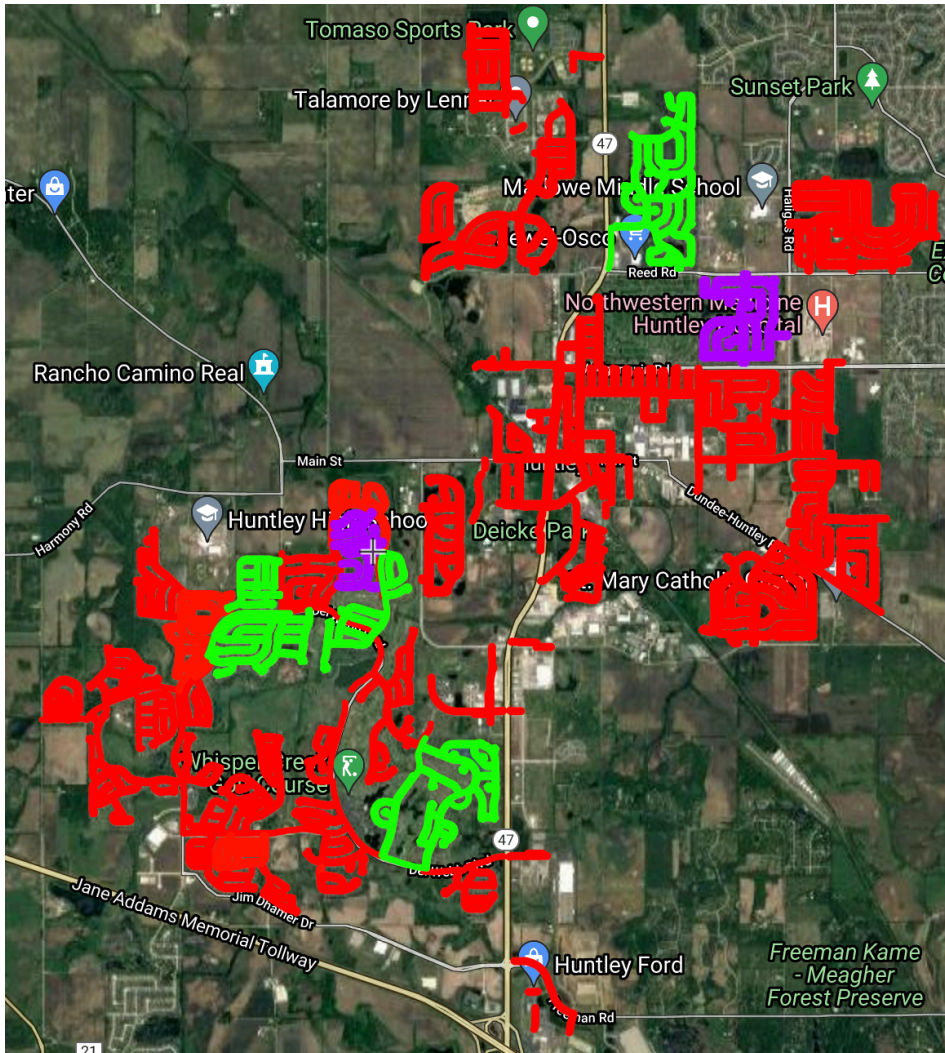
*Sidewalk mile estimates are based on available satellite GPS measuring tools

**Square foot price used in calculations: \$7.00

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Sidewalk Repair Program Progress



■ 2021 31.4 Miles
■ 2020 9.5 Miles
■ Remaining - 143.7 Miles
Total Miles - 184.6

The service request locations provided by the Village of Huntley and repaired in prior years, are not included in the repair program progress map on the left.

Since the individual requested repairs are not part of evaluating the entire sidewalk segment, these locations are not included in the sidewalk miles repaired.

The map above shows the sidewalk areas that have been completed from 2019 onward.

Red highlighting indicates areas not yet evaluated or repaired. Other colored highlighting indicates those sidewalks that have been systematically evaluated and repaired.

Estimated Sidewalk Infrastructure Value

Estimated Sidewalk Miles	Avg Width	Estimated Sq. Ft Cost	Total Value of Sidewalk
184.6	5.0	\$7.00	\$34,114,080

Life Cycle Progress

Current Budget	Avg Saw-Cut / Mile	Sidewalk Miles To Be Repaired	Years Remaining
\$150,000	\$5,454	143.7	5.2

Additional Benefits

Engineering Time Saved

1. Huntley saved approximately **203 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 61 repaired on 11/23/21 @ 11:58am located at 11963 Spring Creek Dr.

Completed repair photos and timestamps help ensure repair quality

Public Support for Safe, Walkable Sidewalks

1. **85.9%** of adults think it is 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