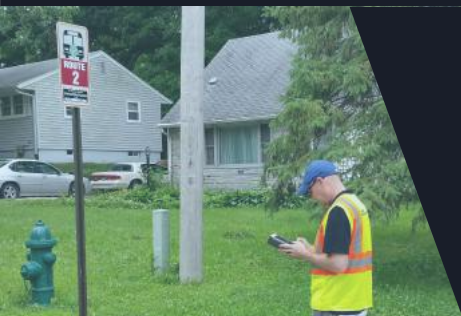


CEDAR RAPIDS CASE STUDY

BUS STOP/SHELTER INVENTORY ASSESSMENT



THE PROBLEM

The Corridor Metropolitan Planning Organization (MPO) in Cedar Rapids, Iowa, is tasked with reviewing and approving transportation investments with goals that include; establishing policies to ensure the development of a safe and efficient metropolitan transportation system accessible to all users, increasing “quality of life” investments, and identifying, developing, and establishing sustainable tools to be utilized by the Corridor MPO. Another goal is to advocate metropolitan area priorities/issues at the local, state, and federal levels.

HOW WE ATTAINED A

50% INCREASE

IN OPERATIONAL EFFICIENCY

THE PROBLEM CONTINUED

One of these priorities/issues in 2016 was to assess the current state of all bus stops/shelters within the city of Cedar Rapids to improve bus utilization, rider accessibility and safety, route efficiency, and the overall impact to the cities residents, finances, and policies. There are over 1000 bus stops spread across the city to assess and the strategy, solution, execution, and delivery of the required information needed to be complete within a 1-month timeframe with limited resources and funds.



CEDAR RAPIDS CASE STUDY

BUS STOP/SHELTER INVENTORY ASSESSMENT



THE RESULTS WERE OUTSTANDING AS THE FIELD TEAM WAS TRAINED ON THE SYSTEM THE MORNING OF AND FLAWLESSLY ASSESSED AND CAPTURED OVER **30,000 ITEMS** AND **1,250 PHOTOS** OVER **1,025 BUS STOPS** IN **2.5 DAYS**; **50% MORE EFFICIENT** THAN ANTICIPATED!

THE SOLUTION

In July of 2016, WSP Parsons Brinckerhoff and Raxar Technology Corporation teamed to meet Corridor MPO's need and deliver the required information efficiently and comprehensively using WSP|PB and MPO staff and Raxar's services and technologically advanced, GRAiT™ System (Graphical Real-Time Asset Inspection and Tracking System).

In just one week, WSP|PB and Raxar were able to accomplish the necessary tasks to set up the rest of the project for success:

- X Scoped out the project requirements
- X Gathered necessary system requirements
- X Developed the execution strategy
- X Integrated legacy data into the GRAiT™ System
- X Configured the GRAiT™ System for the most efficient Bus Stop/Shelter inventory workflow
- X Created a Bus Stop inventory procedure
- X Trained project manager on the GRAiT™ System
- X Registered and setup field users



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CEDAR RAPIDS CASE STUDY

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X

THE RESULTS

Following the teams success in preparing for the in-field assessment and data collection, the plan was set in motion to have a team of 4 field users follow pre-determined routes over 5 days to collect the required information.

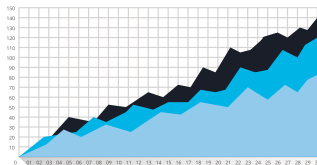
The GRAiT™ System and data collected was then configured to interface with MPO's geospatial database for further analysis, thus, officially completing the project and meeting all deliverables within the budget and timeframe allowed.



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THE CONCLUSION

In conclusion, the results of the Cedar Rapids Inventory Assessment project demonstrated the successful communication, teamwork, preparation and services provided by WSP|PB and Raxar in addition to the configurability, ease of use, and value provided by Raxar's GRAiT™ System.



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