

Greater Cleveland Regional Transit Authority

Radio Communication and CAD/AVL Replacement Program

Presented to: Operational Planning
and Infrastructure Committee
February 5, 2019

Greater Cleveland Regional Transit Authority



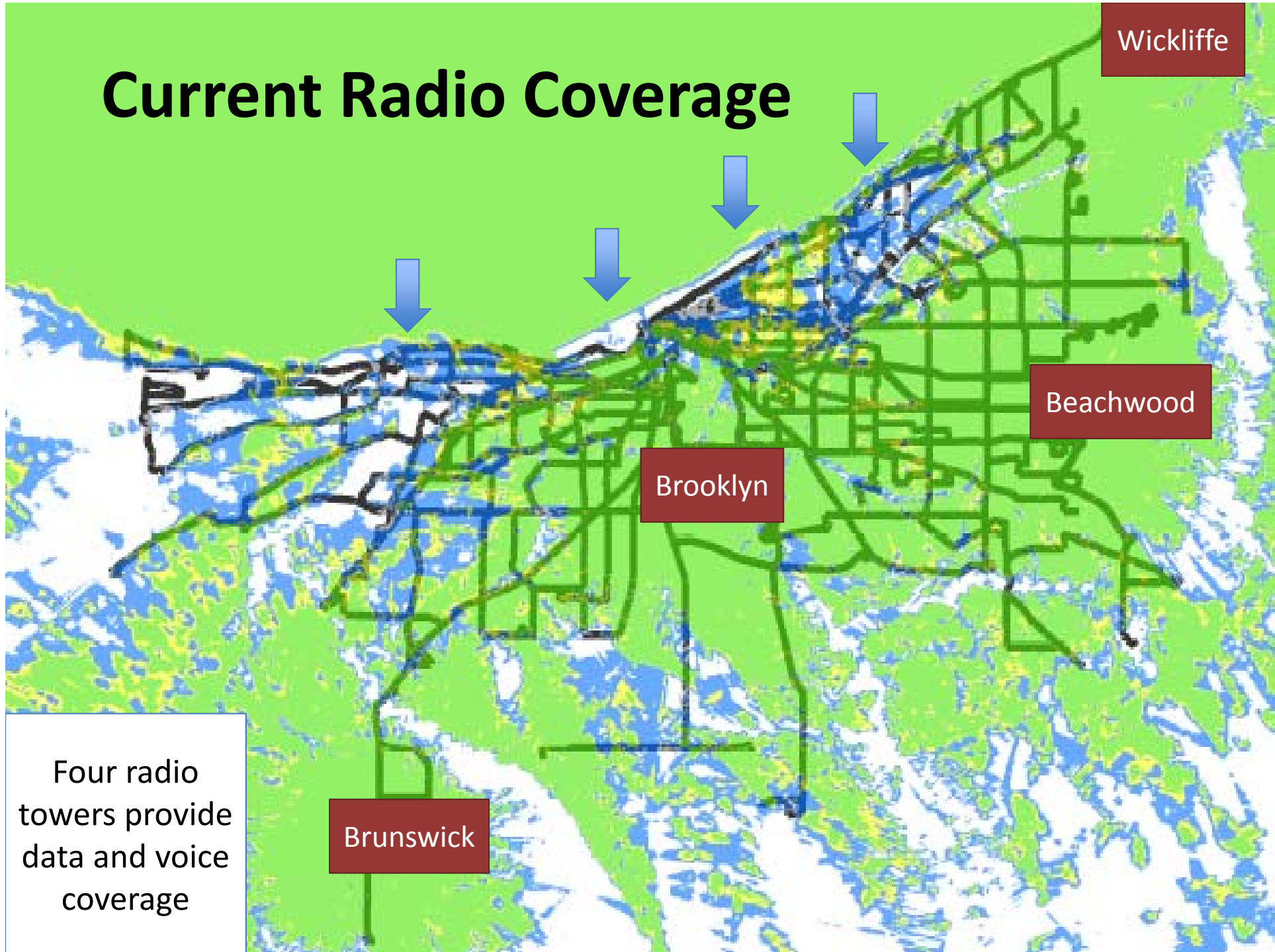
Project Funding

- Federal Highway Administration grant: \$11.6 million (50/50)
- FTA formula grant: \$2.64 million (80/20)
- NOACA section 5310 grant: \$760,000 (80/20)

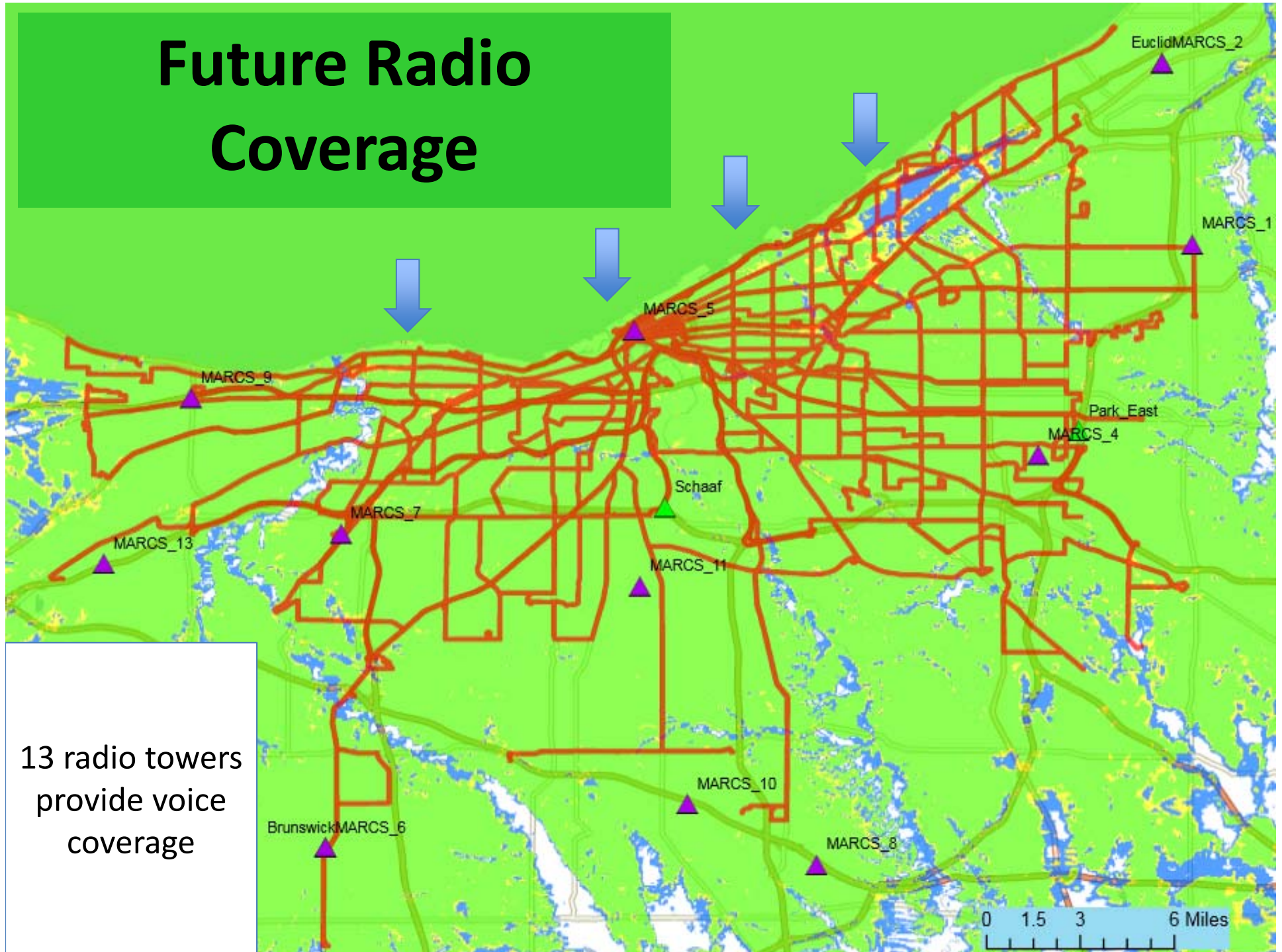
Project Activity

Project Task	Purchase Status	Notes
CDW Router Procurement	Complete	Board approved in September. Resolution #2018-102 \$1,454,825
Motorola Radio Procurement	Complete	Board approved in September Resolution #2018-101 \$4,017,252.80
Trapeze ITS On-board Equipment	Complete	Board approved in December Resolution #2018- 113 Estimated - \$7,719,263
CSU-UTC Research Agreement	Complete	Board approval in December Resolution #2018-120 \$500,000
MARCS Agreement Revision	In-process	Seeking board approval in February
Cellular RFP	In-process	To be advertised in February 2019

Current Radio Coverage



Future Radio Coverage



13 radio towers
provide voice
coverage

MARCS Expense

- RTA has a current vendor that maintains our four (4) radio towers for \$130,000 annually.
- Contract expires in October with opportunity for 1-year option

RTA - Annual MARCS Expense					
Department	2019	2020	2021	2022	2023
MARCS - Transit Police	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000
MARCS - Operations	\$79,260	\$185,580	\$209,040	\$209,040	\$209,040
Total	\$139,260	\$245,580	\$269,040	\$269,040	\$269,040
				Grand Total	\$1,191,960



Projected Project Schedule

Task	Start
Preliminary Design and Research	On-going
Hardware Procurement	November – December 2018
Project Pilot – Proof of Concept	February 2019 – May 2019
Final Design Review	April 2019
Hardware Installation and Testing	August 2019
Project Closeout	April 2020



Recommendation

- Staff requests that the Operational Planning & Infrastructure Committee recommend to the Board of Trustees the award of a revision to the Interagency Agreement with Ohio MARCS to provide 700/800 MHz wireless digital radio network services in an amount not to exceed \$1,200,000.00 for a period of five years.

Questions

Greater Cleveland Regional Transit Authority

