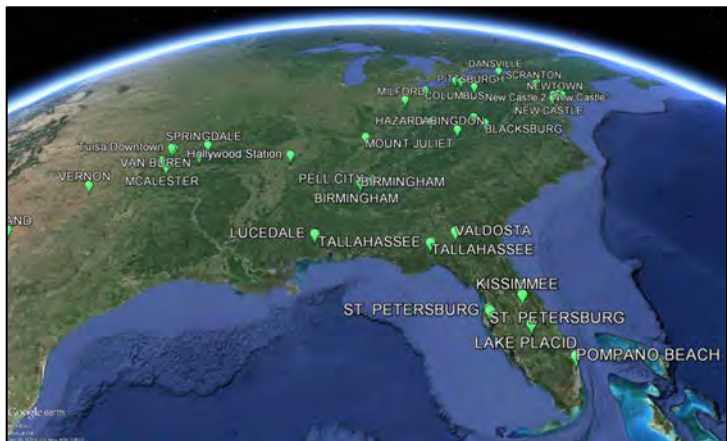


RAM Saves Gov. Client from Unnecessary Roof Replacements



49 Sites Scanned & Analyzed

Takeaways

- **Aerial Infrared Roof Scans Complimented Existing Programs**
- **Available Options/Alternatives were Expanded Based on Lifecycle Cost**
- **Millions Saved in Unnecessary Actions**

Background

The client had existing roof programs in place, which called for the re-covering of many of their roofs. They wanted to make sure that this was the most appropriate action to take. RAM's expertise was called upon, to compliment their programs, and offer unbiased recommendations. RAM USA's initial step was to utilize Aerial Infrared Roof Scanning and Analysis on 49 such facilities.

Third Party Review

RAM USA's approach offered checks and balances to the client's current programs. RAM provided objective information and recommendations for selecting the best course of action on each roof based on the lowest life cycle costs. The results were dramatic, and could result in millions of dollars of savings.

Reduction in Costly Roof Re-Covers and Replacements

After analyzing all of the data collected, RAM USA recommended that in the short-term no roofs needed to be re-covered, and only 2 needed to be replaced. The rest could be either maintained or repaired to carry them forward. In the long-term, 3 could be re-covered, and 6 more replaced, but a majority should only require restoration, in addition to maintenance and minor repairs.



Aerial Infrared Identifies Hidden Moisture Damage



Note: These recommendations were based on Aerial Infrared information only. They could be amended, after a forensic roof survey and analysis is performed.

Action	%	Short-Term	%	Long-Term
Re-Cover	0%	0	6%	3
Maintain	37%	18	12%	6
Repair	59%	29	8%	4
Restore	0%	0	61%	30
Replace	4%	2	12%	6
Total	100%	49	100%	49