



ASSET MANAGEMENT

How can agencies on limited budgets maximize their capital infrastructure assets for long-term value? Harris & Associates enables deliberate, informed planning to help prioritize your system's maintenance and upgrades.

History shows that a “worst first” approach to maintenance and repairs isn't always the optimal asset management strategy. Whether you're a city looking to improve your Pavement Condition Index, a water utility seeking guidance on your long-term capital improvement plan, or trying to understand how climate change will affect your assets longer term, you need clear insights to guide your investment priorities. Harris & Associates helps agencies make data-driven decisions about their infrastructure and take a “best value first” approach to managing critical assets.

Translating Data into Action

Our expert team bridges the gap between collecting and leveraging data to drive results. We partner with key decision makers to analyze infrastructure assets and offer guidance to navigate the political dynamics involved, including Board approvals for capital investments that become community improvements.

Covering Every Angle

Improving infrastructure performance and resilience, increasing sustainability, reducing overall costs—our holistic approach to asset management delivers comprehensive benefits. We deliver thorough asset inventories (tracking age, condition, and criticality) along with proactive operation and maintenance recommendations. We also support long-range financial planning with replacement options based on cost-benefit analyses.



Monterey CIP/Facility Condition Assessment Phase 1 **City of Monterey** **Monterey, CA**

Harris prepared facility condition assessments (FCA) Phase I for four facilities including a 52,425 SF sports center, 15,444 SF library, 102,194 SF convention center, and the 1,000-foot tunnel as part of the City's Capital Improvement Program. FCA scope included project definition, preliminary data collection, field data collection and inspection, facility condition report development, aquatic facility condition assessment, and implementation of ISES Corporation Asset Management System database and software.

■ INFRASTRUCTURE + UTILITIES

Harris helps agencies manage their municipal systems amid challenges like aging infrastructure, affordability, climate change, and stakeholder engagement. Across our Infrastructure + Utilities services—from capital project prioritization to data analytics—we employ a systems-wide approach that addresses the technical, economic, and social variables that lead to successful master planning.

■ RISK + RESILIENCE

Harris delivers a tailored approach to help cities create resilient communities. We factor societal and economic systems, regulations, and data into the process to identify potential risks and improve communities' ability to recover from shocks to critical systems from natural disasters and exacerbating impacts caused by climate change.

■ WATER + SEWER SYSTEM MANAGEMENT

Harris teams with water utility leaders to evaluate water and wastewater assets and to create plans and strategies to optimize system operations.

Clients rely on us for:

- Strategic planning
- GIS and data management
- Water modeling
- Water and wastewater system planning and assessment
- Design and construction
- Water and wastewater utility financial modeling
- Rate analyses
- Public engagement

■ PAVEMENT MANAGEMENT PROGRAMS (PMP)

The typical street deteriorates by 35% in its first 10 to 12 years. Agencies often take action *after* this point—and spend more than is necessary.

Harris' PMP experts help inform decisions around street rehabilitation to get the most from agency budgets. Our services include:

- Pavement management software and system selection
- Condition survey and analysis
- GPS and data collection
- Capital improvement planning
- GIS integration
- MTC StreetSaver® Power Users for inventory management

For the City of Chico, Harris developed a StreetSaver® Pavement Management Program database. After conducting a pavement condition survey for the entire pavement network, Harris inspected and provided recommendations for newly constructed roads and segment modifications.



City of Chico Pavement Management Program Update **City of Chico** **Chico, CA**

The City of Chico needed complete knowledge about its major asset—a roadway network valued at \$310 million—to inform its maintenance budget. Seeking pivotal answers, the City asked Harris & Associates to conduct a pavement condition survey and upgrade the City's Pavement Management Program (PMP).

925.827.4900

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Harris partners with public agencies to enhance their communities.