



Your solution for managing capital improvement, construction and reconstruction programs in a collaborative web environment.

What is the Appia® service?

The Appia® service is a mobile accessible web application designed for capital improvement and construction programs in cities, counties, engineering-consulting firms and other similarly sized organizations. The Appia service effectively manages project cost estimation, proposal development, advertising, electronic/Internet bidding and/or construction administration. By providing these processes in a mobile accessible web environment, the Appia service offers a collaborative system that can be accessed by all project stakeholders — including funding sources — and one that can be deployed quickly in response to urgent projects. Organizations seeking an easy way to effectively track construction progress while showing transparency and accountability with federally-funded projects will find all of this and more in the Appia service.

The Appia service in action

More than 70 organizations in the United States license the Appia service for construction contract administration and inspection.

In the state of New York alone, the Appia service has been the tool used to administer more than 500 contracts. Approximately 70% of these contracts have state and/or federal funding. In order to take advantage of the service to provide more effective and efficient oversight of these contracts, there have been 100+ read-only users, including New York State Department of Transportation (NYSDOT) and Federal Highway Administration (FHWA) staff. The service has been used to administer contracts in eight of the 11 NYSDOT regions in New York.

A key benefit of the Appia service is the ability to track project funding efficiently. One of the more complex projects managed in the Appia service was a project worth approximately \$17 million. This project had a high number of pay items (450+) and 11 different funding sources that were split seven ways. The fund management functionality of the Appia service allowed for easy tracking by both the consultant and owner-agency.

The largest contract administered to date using the Appia service is owned by Smith Seckman Reid (SSR), an engineering-consulting firm in Tennessee. It is the Veterans Parkway project in Millington, Tennessee (just outside Memphis). The project is \$21.5 million USD, has 263 items and two fund packages and sources, making it the largest project in terms of dollars that has been administered using the Appia service. The funding is an 80/20 split between the Tennessee Department of Transportation and the City of Millington.

The Appia service architecture

The Appia service is a hosted, mobile accessible web solution that allows customers to start using the system without any investment in their own hardware or software infrastructure. All that is necessary to get started is an Internet connection and a web browser.

Core construction administration and inspection features in the Appia service:

Inspection Reports

The Appia service's daily reporting functionality allows for daily, weekly, and monthly work reporting. The daily report functionality has a complete audit trail and allows general site conditions (remarks, weather etc.), on-site contractor personnel and equipment details, and item and material progression to be tracked. Additionally, attachments can be added to the daily report. A Daily Diary can also be generated for a given day that summarizes all daily activities. Force Account (unplanned or extra work) functionality is also available if time and materials need to be tracked. Use the Appia service on a mobile device, or seamlessly integrate with the Info Tech Mobile Inspector™ app for off-line source data entry on a mobile device. Either way, keep your team in the field.

Pay Estimates

The Appia service allows for the creation of timely and accurate estimates. The estimate is generated based on approved daily reports for a specified pay period. The estimate process creates numerous reports, such as funding reports and a comprehensive items report.

Change Orders

The Appia service can track project changes through its built-in change order functionality with an approval process. When a change order is initially created, it will be in a "draft" status. Once it is submitted for approval, the status will move to "pending." At this point, the change order can either be approved or denied. The change order functionality allows for quantity adjustments to existing project items (positive or negative), the addition of new items, and time extensions. Once the change order has been approved, the changes become an official part of the contract.

Project Funding

When defining a project, individual items can be associated with a fund package. Within a fund package, funding sources are specified. In addition, numerous reports are available. A detailed Items by Fund Package report is available, showing all items and amounts, how much has been paid, what is remaining and the percentage complete. An Item Overrun/Underrun Report broken down by funding is also available. The estimate process creates invoices.

Additional features available in the Appia service are materials tracking, punch lists, contract attachments, stockpiles and electronic bidding.

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