

WSDOT Contract Services Office

Information Technology Project Forecast 23 -24

1. Project Name: Form I-9 Modernization

Project Description:

Modernize utilization of the paper federal Form I-9 to an electronic Form I-9 to increase compliance with federal law and simplify the process for new hires, supervisors/admin staff, and HR.

Business Need:

All new hires are required by federal law to complete a Form I-9 on or before their first working day, have their employment authorization documents verified by an employer representative by the third day after their first day of work for pay, and WSDOT is required to retain the documents. The Form I-9 has very specific instructions and requirements regarding each section and field. The agency has used the paper Form I-9, which is prone to errors during completion, and emailing the form to route it to HR for audit, storage, and retention. HR staff often find errors that require correction and return the form to the new employee or supervisor/admin staff for correction which causes frustration and can exceed the allowed time for the form to be completed. ITD has also raised a concern about this information being transmitted via email due to the sensitive nature of information on the form.

We need to build a secure system that new employees and the employer representative can easily access on or before their first day of work for pay and have built in section/field prompts to prevent errors from happening in the first play (including attachment of document copies), this part of the onboarding process would improve the new employee experience and increase our compliance with the federal requirement. This system should also implement a method of tracking employment authorization documents that need to be reverified, and notifying HR in advance of the expiration, so that HR can coordinate updates with the employee, as required.

Anticipated Release Date: Last Quarter if 2023

2. Project Name: HPMS-LRS MODERNIZATION

Highway Performance Management System (HPMS) Linear Referencing System (LRS)

Project Description:

Upgrade the agency's Linear Referencing System (LRS) and roadway inventory data systems to meet current and future federal data reporting requirements. This includes the Highway Performance Monitoring System and the Model Inventory of Roadway Elements for collecting, mapping, and reporting approximately 100 parameters across all public roads and intersections in WA (not just state routes). Key

activities: moving the current LRS and road inventory data from Mainframe technology to a GIS based technology, establishing an enterprise database to intersection specific parameters, establishing methods and procedures for extracting road inventory parameters directly from engineering sources like Design files and mobile LiDAR, and establishing a program for collecting data from other state agencies, tribes, counties, and other municipalities. This modern transportation network database will be designed to include multimodal facilities such as rail and active transportation.

Business Need:

Multiple drivers include:

- Federal Reporting and data collection requirements expanding geospatial deliverables for all public Roads (not just State Routes):
 - Highway Performance Monitoring System (HPMS) 2022 modernizations (23 CFR 490 & 460)
 - Model Inventory of Roadway Elements (MIRE) data collection requirements (23 USC 148)
- State and Agency technology goals to retire Mainframe systems
- 21st century expectations and opportunities for improved map-enabled data and information interfaces for both internal and external uses.

Anticipated Release Date: Last Quarter if 2024

3. Project Name: IT Service Management SaaS Solution / REMEDY AR SYSTEM MODERNIZATION

Project Description:

Seeking an ITSM SaaS solution that can address IT asset management, incident management, and change management in recognition that the version of Remedy AR System that reaches end-of-life support in February of 2025 (ITSM solutions address the three needs stated above and include modules for IT service management (service desk, service request management, service catalog), problem management and knowledge management as well – all of which are recommended core IT business capabilities as per InfoTech.) One Washington has selected Workday for procurement and asset management. 2028 is the scheduled go-live date. An interim solution may be needed for these modules.

Business Need:

In short, asset management, incident management, change management, customer self-service, IT service desk modernization. Modernization to the cloud will offer functional enhancements in service management of IT resources better enabling reliant business outcomes – purchasing, asset management, customer self-service, potential for HR use of service management expanded, use of mobile device operations for managing assets, receiving customer assistance or self-help “on the go” or remotely, scalability and automation of service management tasks, and enhanced reporting tools for quality assurance and to demonstrate work efforts, capacity, and value to the business. These enhancements will position the agency to better support the increased need for telework and remote work and to support staff working during non-traditional business hours. The enhancements will also enable more efficient asset management, especially for those assets housed offsite.

Anticipated Release Date: 2nd Quarter of 2024

4. Project Name: Speed Safety Camera Systems (SSCS) Program

Project Description:

Per Engrossed Substitute Senate Bill (ESSB) 5272, Speed Safety Camera Systems are legislatively mandated to be operational within active work zones on state highways by July 1, 2024. It is anticipated that a third-party vendor will provide a turnkey solution for camera deployment, software/hardware, billing, and mailing of violations. SSCS will be deployed in multiple active work zones, statewide.

Business Need:

The program is intentioned to help reduce vehicle speeds in work zones while increasing overall safety for travelers and workers, alike.

Anticipated Release Date: October of 2023

5. Project Name: Washington State Ferries (WSF) Transportation Dispatching Software and Implementation Service

Project Description:

Dispatching is critical to ferry system operations. It requires matching personnel working on a vessel to the regular service schedule, ensuring the qualifications mandated by the United States Coast Guard (USCG) and WSF procedures are met by crew members, as well as other system needs such as movement of vessels for maintenance and repair. Dispatching affects year-round employees, regular reliefs, and on-call staff for the engine room, deck, and terminal operations teams. It is challenging because of union rules governing who can be dispatched, the ability of employees to turn down assignments, and limited ability to move employees.

Business Need:

WSF currently uses a ferry crew dispatch system, the Automated Operation Scheduling System (AOSS) that no longer meets the processing and reporting needs of the department. The AOSS architecture is incompatible with Washington state human resource systems and WSF marine payroll systems. This makes validation of crew timesheets and pay requests a manual inspection process, which is labor-intensive and increases the risk of error. The system does not integrate with other WSF and department information systems and is not web-based. It has limited reporting capabilities and does not easily accommodate changes in business rules such as updates to union and regulatory requirements. AOSS does not fully support engine room or terminal operations dispatch and does not allow for automated licensure and training tracking to verify employee credentials for assignment, per USCG requirements.

Anticipated Release Date: 1st Quarter 2024

WEBS and Partnering Opportunities

Washington's Electronic Business Solution (WEBS)

If you are interested in the projects listed here, or any business opportunity the state of Washington has available, please go to [WEBS \(wa.gov\)](http://WEBS.wa.gov) and register to enable participation in those opportunities.

Partnering Opportunities

Washington State recognizes that collaborating with other passionate, driven businesses is a fantastic way for organizations to expand their reach and become more successful. Running a business requires a vast range of knowledge and skills. Partnering is a great way for both businesses to expand and reach audiences you might not already be in contact with.

If you are interested in partnering or opening that dialog with other companies for partnering opportunities, log into your WEBS account, go to Account Administrator, under first and last name, emails address and phone number, Notify the account administrator of opportunities, click yes. Go to Display your company's contact information to other companies for partnering opportunities, click yes (see diagram below).

* Indicates Required Fields

Account Administrator

The account administrator manages all information for this vendor account.

Administrator First Name *	Administrator Last Name *
<input type="text" value="WEBS"/>	<input type="text" value="Administrator"/>
Email Address *	<input type="text"/>
<input type="text"/>	<input type="text"/>
Notify the account administrator of opportunities? *	<input checked="" type="radio"/> Yes <input type="radio"/> No
Display company contact information to other companies for partnering opportunities * what's this?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Change Password →	

Company Profile