U.S. Customs and Border Protection

THE FUTURE IS SEAMLESS

Advancements in intelligent technology will vastly change the manner in which travel and trade are processed as they enter the United States at border ports of entry (POEs).

IMAGINE…

People and cargo cross the border without exchanging documents…

Making informed decisions about when to cross the border…

Vehicles and trucks drive themselves…

CBP is innovating for a landscape in which the physical and digital worlds are integrated and data can be used to not only enhance security but, create a seamless experience for the traveler.

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INVESTING IN INNOVATION

CBP is investing in initiatives to prepare for this this seamless future by experimenting with intelligent technology and adapting infrastructure to capitalize on the integrated digital landscape.

EXPEDITED TRAVELER PROCESSING:
Testing and improving **wait time, Trusted Traveler, and active lane** management techniques for **port efficiencies.**

FUTURE OF VEHICLE PROCESSING
Exploring the **changing landscape with emerging technologies** and their implications on CBP operations and infrastructure.

CARGO INNOVATION:
Partnering with industry to **revolutionize port operations for cargo** processing.

A LOOK AT THE FUTURE

- ***Expedient processing*** for travelers to reach their destination with real-time communications
- ***Seamless and secure infrastructure*** *for smooth processing with* ***enabling technologies***
- ***Increased trade and travel promoting economic growth*** while ensuring the highest level of security.

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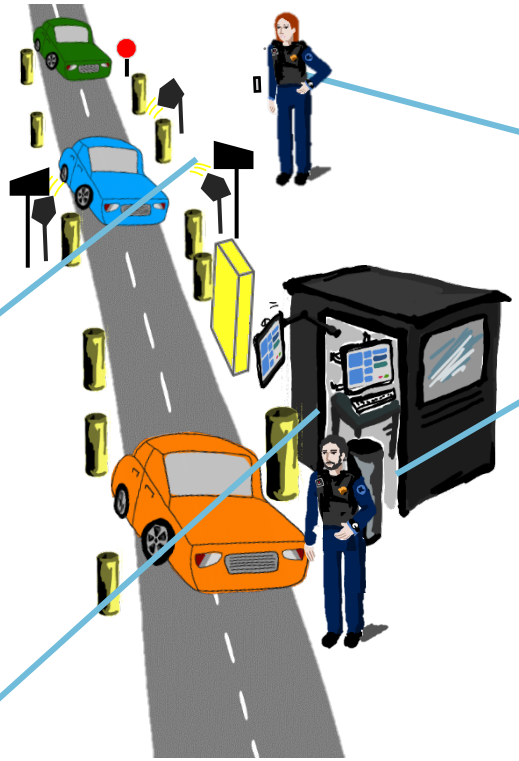
THE FUTURE OF VEHICLE PROCESSING

This snapshot of an inbound vehicle processing booth depicts a notional port of the future that incorporates a number of emerging technology pilots under way that increase officer mobility while improving a seamless traveler processing experience.

Advanced pre-primary screening technologies (biometric cameras, at-speed facial recognition, radiation scanner, etc.)



Officers equipped with smart technologies (smart phone, body-worn camera, earpiece, etc.) in both pre-primary and vehicle primary

Advanced technology at the booth (touch-screen monitor, tablet, license plate reader, etc.)

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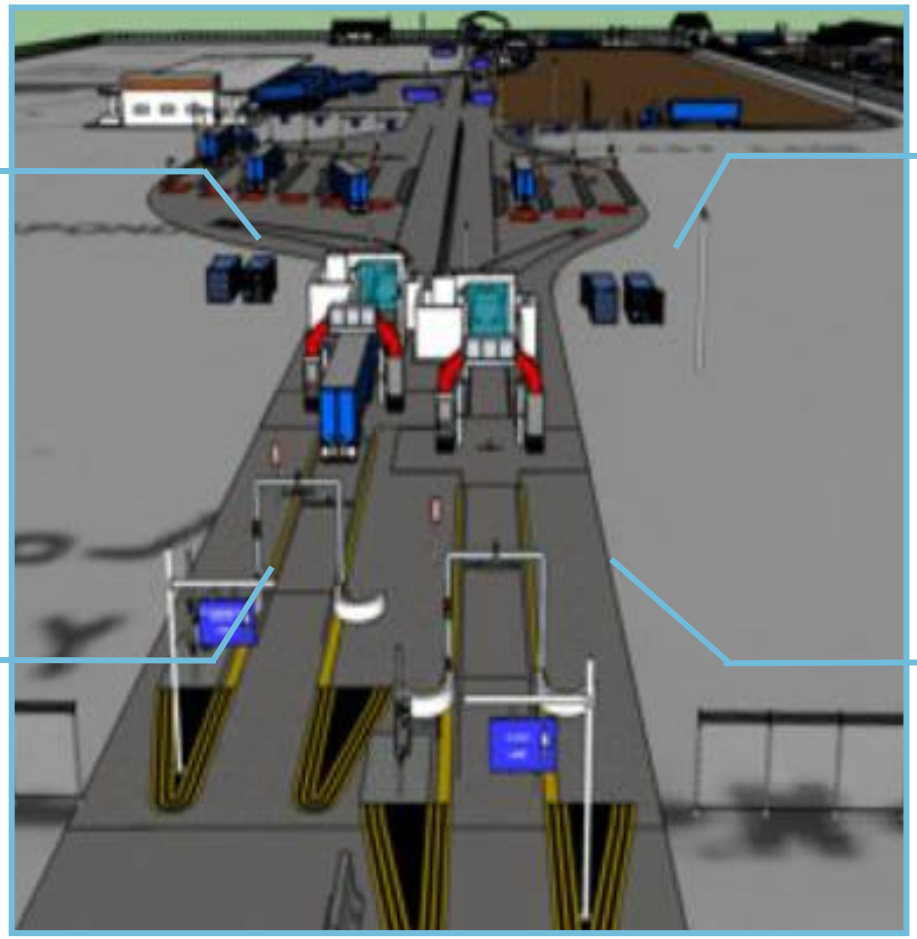
THE FUTURE OF CARGO PROCESSING

Expansion of advanced technologies (e.g., biometric facial recognition) is already underway and will transform border operations for cargo processing to resolve congestion concerns and expedite trade.

Expanded use of RFID readers and license plate readers (LPRs)



At-speed facial biometric checks and audio/visual communications

Advanced radiation portal monitors (RPMs)

Multi-energy portal drive through imaging systems

PRE-ARRIVAL READINESS EVALUATION (PARE)

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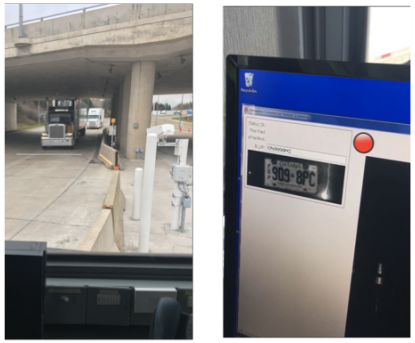
Through partnering with PBA, the PARE pilot at Peace Bridge has yielded significant impacts on the use of electronic manifests and contactless payment for cargo processing by ensuring truck driver readiness prior to arrival at port.

Payment of User Fees and submission of e-Manifest are validated PBA prior to arrival.



Validated drivers proceed to Primary inspection.

Others are instructed to submit materials via secure CBP interface.

KEY IMPACTS

83% ↓
In manually collected user fees at port.

329% ↑
In e-Manifests filed for empty cargo trucks.

73.9 +
Seconds saved in processing time per vehicle.

1000 +
Officer hours saved in 2017

100% ↓
Removal of cash registers from Primary

CBP's vision is to advance its innovations at Peace Bridge through the continued support and investment with PBA, starting with PARE 2.0.

PARE 2.0 DEVELOPMENT AND TIMETABLE

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CBP and PBA will continue to expand PARE by incorporating facial biometric recognition and capture capabilities at Peace Bridge. To achieve this, the following milestones are slated for completion in 2018:

FY18-Q2

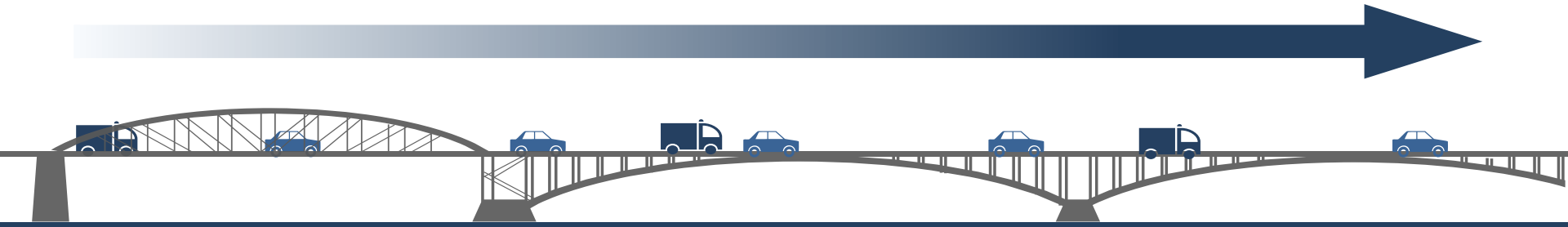
- Project Kickoff **(Jan 2018)**
- Vehicle at Speed Study
- Vendor Selection

FY18-Q3

- Project/Policy Planning
- Scanning Specifications
- Demonstration Equipment Setup
- Operational and Technical Requirements
- Op. Impact Assessment
- Technical Design
- Deployment Plan **(Jun 2018)**
- Integration Plan **(Jun 2018)**

FY18-Q4+

- Technology Procurement
- Camera Installation
- Technical Development & Integration **(Aug 2018)**
- Field Testing
- Authorization to Proceed
- Evaluation



Following the incorporation and launch of facial biometric capture, CBP and PBA will prototype the design for the port of the future including NII technology and infrastructure at Peace Bridge.