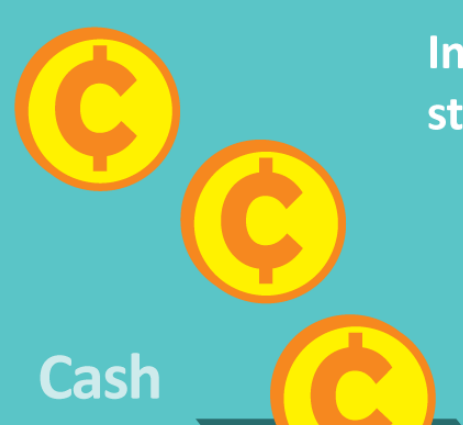


# Plan, Travel, and Pay... Your Way



## Volpe Led the Evolution of Innovative Transportation Payment Systems



Cash

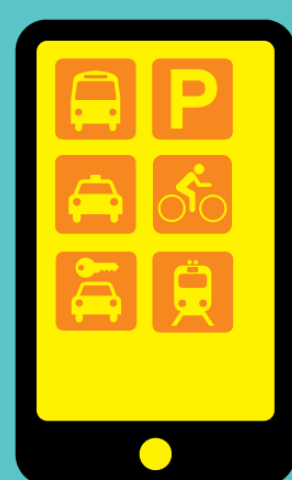
In the 1970s, Volpe conducted the first federal study on automated fare collection ...



Cards



Mobile Apps



... and since then has been a leader in advanced transportation payment systems.

## If it's easier to pay for transportation, both travelers and cities benefit

### For travelers:

- More **convenient** and faster ways to pay
- Easier to pay for **multimodal** travel
- **Financial incentives** for using alternative transportation



### For cities:

- Fewer carbon emissions
- Less congestion
- A satisfied traveling public
- Transportation agencies can better manage travel demands



**Volpe**  
co-hosted key  
workshops to bring  
together users, stakeholders,  
and technology providers.  
This led to the adoption of  
common technologies for  
payment systems in ...

### ... Washington state

Roughly **80%**  
of riders use an  
ORCA Card to commute.  
That's around 400,000  
e-fare rides a day.



The ORCA  
card replaced  
**300**  
types of transit passes  
and tickets.

Across the U.S.,  
**24**  
smart card programs  
have been  
implemented  
for transit  
systems.

### ... San Francisco

The **Clipper Card** is used by more than 20 participating transit agencies in and around San Francisco, providing riders with easy travel by bus, ferry, light rail, subway, and commuter rail. The card also makes parking easier at transit facilities.

One million  
Bay Area  
residents  
use the **Clipper**  
Card.



**× 1,000,000**

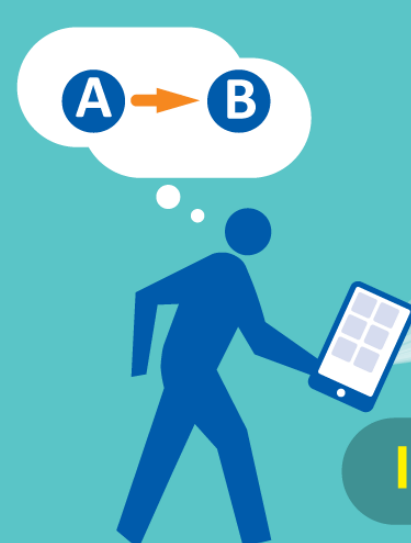
### ... and Boston

Volpe experts were instrumental in helping the city of Boston and MBTA officials evaluate alternative approaches for commuting by implementing a new form of cashless currency called the **Charlie Card**.

Over **70%**  
of MBTA riders use a  
Charlie Card.



**Volpe** worked with the transportation community to create a **shared vision** for **multimodal payment systems** – essential for seamless travel and smart cities.



**Incentives**



Mobile devices and real-time data informs traveler choices and has made it easier than ever before to...

- **Plan** the most convenient trip, using all modes
- **Reserve** seats or tickets
- **Pay** all trip modes from mobility accounts

**Data**  
on payments  
and travel demand  
will help optimize  
services for  
everyone.

Providers can apply **incentives** such as discounts, promotions, and loyalty programs. They can also **bundle services** based on consumer patterns.

These **incentives** can influence transportation choices and enhance customer satisfaction.

**Volpe** is a leader in **creating interest**, encouraging a **uniform approach**, and giving **momentum** to advance **multimodal payment systems** nationwide.



Volpe continues to develop **international standards** and is encouraging innovation in transit payment systems, in partnership with the Federal Transit Administration, ITS JPO, private sector, and the public.



U.S. Department of Transportation  
Volpe, The National Transportation Systems Center

**Volpe**