

Opportunity Package 2: Smart Operations and Deliveries

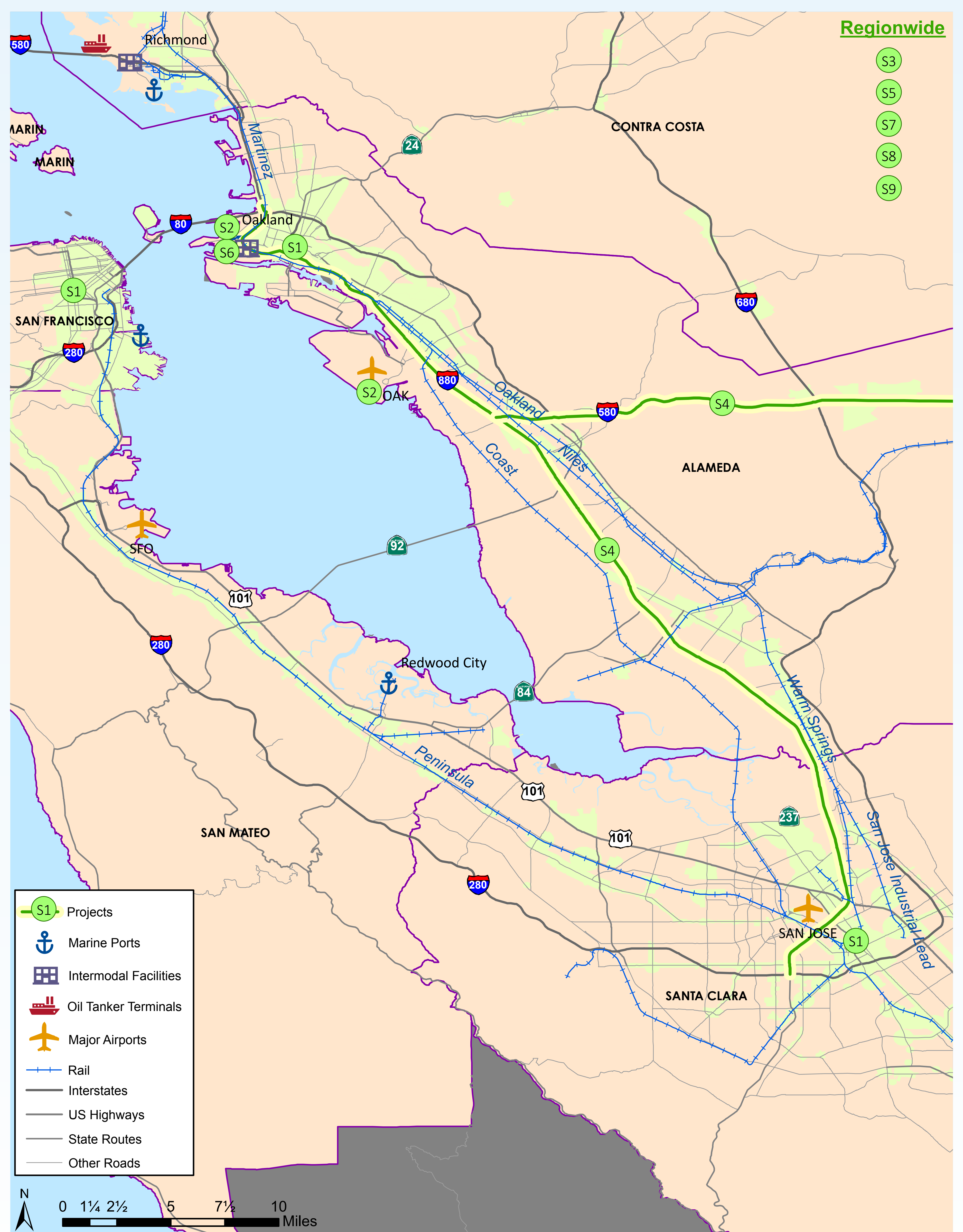
Supporting technology to improve goods movement operations, reduce congestion, and increase safety on urban and rural roads.

Smart Solutions That Utilize Existing Capacity

- Intelligent Transportation Systems (ITS), connective vehicles, and other technology solutions that use existing roadway capacity more efficiently and improve safety.
- Leveraging the region's technology industry strengths through proactive partnerships between technology developers, freight system users, and local communities.
- New technology and practices for sustainable freight.

Managing Local Traffic

- Innovative solutions to address congestion and roadway conflicts due to increasing local traffic as a result of the growth of e-commerce.





Opportunity 2: Smart Operations and Deliveries

Relevance of Smart Operations and Deliveries to each Goods Movement Functional Element

| Goods Movement Function | Relevance | Description of Relevance |
|--|-----------|--|
| Global Gateways | | ITS focused projects to improve operations at the Port of Oakland and the Oakland International Airport. |
| Interregional and Intra-regional Corridors | | Interregional corridor improvement projects that involve ITS. |
| Urban Goods Movement System | | Projects, programs and policies that directly improve safety and reduce congestion on urban and rural roads using a variety of technology and innovative approaches. |

Performance of each Project, Program and Policy recommended for Smart Operations and Deliveries

| ID | Project Description | INTERCONNECTED / MULTIMODAL | SAFE & RELIABLE | INNOVATIVE | ECONOMIC PROSPERITY | IMPROVED QUALITY OF LIFE |
|-----------------------------|---|------------------------------------|------------------------|----------------|----------------------------|---------------------------------|
| S1 | Demonstration pilot for nighttime delivery programs in downtown centers throughout the region (e.g. downtown San Francisco, Oakland, San Jose) | | | | | |
| S2 | Freight Intelligent Transportation System (FRATIS) demonstration at Port of Oakland and potential ITS application linked to airport access at Oakland International Airport | | | | | |
| S3 | Freight guidelines for incorporation in Complete Streets policy and programs and funding for implementation through state and regional programs | | | | | |
| S4 | Integrated Corridor Management programs for I-880 and I-580 | | | | | |
| S5 | Arterial smart corridor program | | | | | |
| S6 | Night gate and/or extended hours program at Port of Oakland | | | | | |
| S7 | Develop a Clean Truck Policy and Program Collaborative to identify opportunities to demonstrate new clean truck technologies and seek state and federal funding | | | | | |
| S8 | Freight Corridors Community and Impact Mitigation Initiative | | | | | |
| S9 | Near-Zero and Zero-Emission Goods Movement Technology Advancement Program | | | | | |
| Overall Package Performance | | | | | | |

Key: High Positive Impact Medium Positive Impact Low Positive Impact