

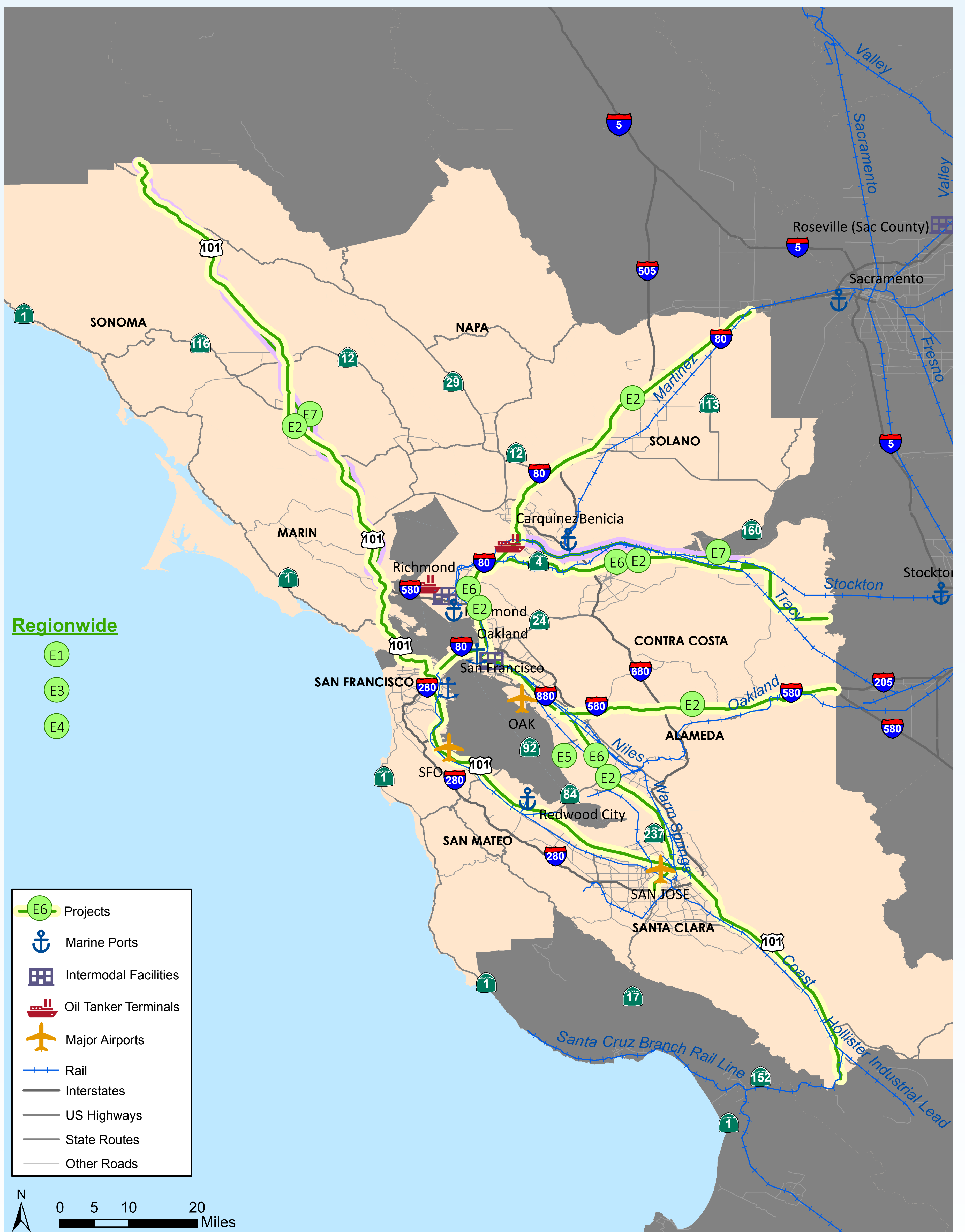
Opportunity Package 3:

Supporting growing sectors of the Bay Area economy by modernizing the road network, improving safe access, reducing land use conflicts and improving last-mile truck routes and rail connections.

Industries such as biotechnology, artisanal food manufacturing, precision instrument manufacturing, and clean energy technology are all expanding in the Bay Area.

Expanding Bay Area Industry Sectors and Jobs

- Transportation infrastructure improvements to existing industrial corridors that support the Bay Area's growing industries.
- Multimodal transportation options to meet a wide variety of supply chain needs
- Access improvements to inter-regional highway and rail corridors to improve safety.
- Short line and industrial rail access improvements to supplement trucking and connect to the Class I system.
- Upgrade dated, non-standard interchanges to improve truck safety.





Opportunity 3: Modernized Infrastructure for Emerging Industries

Relevance of Modernized Infrastructure for Emerging Industries to each Goods Movement Functional Element

Goods Movement Function	Relevance	Description of Relevance
Global Gateways		This opportunity is not focused on global gateways, though improvements to interregional/intraregional corridors and local urban goods movement system that connect to global gateways will also benefit the operations at the global gateways.
Interregional and Intraregional Corridors		Significant focus on improvements of the interregional and intraregional highway corridors.
Urban Goods Movement System		Improvements to the urban goods movement systems that offer access to industrial areas as well as improvement of last-mile truck routes and rail connections.

Performance of each Project, Program and Policy recommended for Modernized Infrastructure for Emerging Industries

ID	Project Description	INTERCONNECTED / MULTIMODAL	SAFE & RELIABLE	INNOVATIVE	ECONOMIC PROSPERITY	IMPROVED QUALITY OF LIFE
E1	Land use guidelines and incentive programs for cities that reduce land use conflicts					
E2	A program of freeway modernization and interchange improvements on the region's primary industrial truck corridors (I-80, I-880, SR4, I-580, and US101) and including completion of the interchange improvements at I-80/I-680/SR12					
E3	Truck access and speed safety projects on rural roads with growing commute travel, such as Tesla Road in Alameda County					
E4	Truck route planning guidance based on the approaches taken in Alameda County					
E5	Development of public or public-private truck parking and full-service truck service facilities near major industrial centers (most likely in the Hayward, Union City, Fremont area)					
E6	Targeted programs to encourage use of zero-emission trucks and cargo handling equipment particularly in the I-80 (Alameda and Contra Costa County), I-880, I-580 and SR4 corridors					
E7	A regional program to assist with the development of industrial rail spurs to support connections to local shortlines and Class I carriers in industrial corridors					
Overall Package Performance						

Key: High Positive Impact Medium Positive Impact Low Positive Impact