

Alameda County Transportation Plan 2020

Needs Assessment Findings: North County

Foundation for Needs Identification



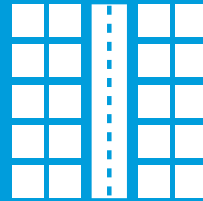
Active
Transportation

- 2019 Active Transportation Plan
- 2019 Safe Routes to School Program Evaluation



Freeways

- 2018 LOS Monitoring Report



Arterials

- 2016 Multimodal Arterial Plan



Transit

- 2016 Transit Plan



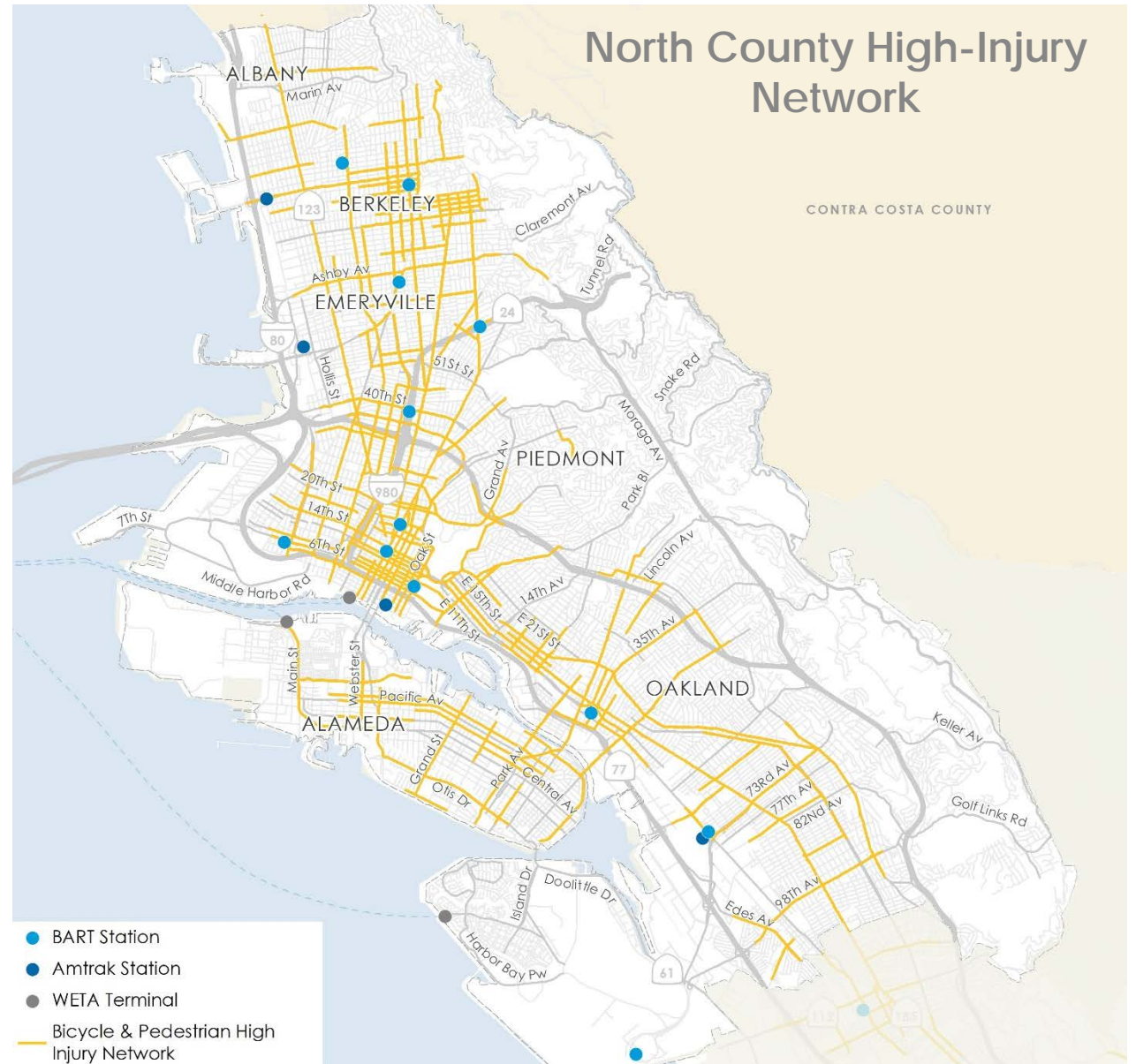
Goods
Movement

- 2016 Goods Movement Plan

Active Transportation

Key Challenges/Needs:

- Over half of Alameda County's High-Injury Network mileage is in North County
- Gaps in bicycle and pedestrian networks and limited all ages and abilities bikeways
- At-grade rail crossings pose safety concerns for bicyclists and pedestrians
- Limited first/last-mile connections to commuter rail and ferries

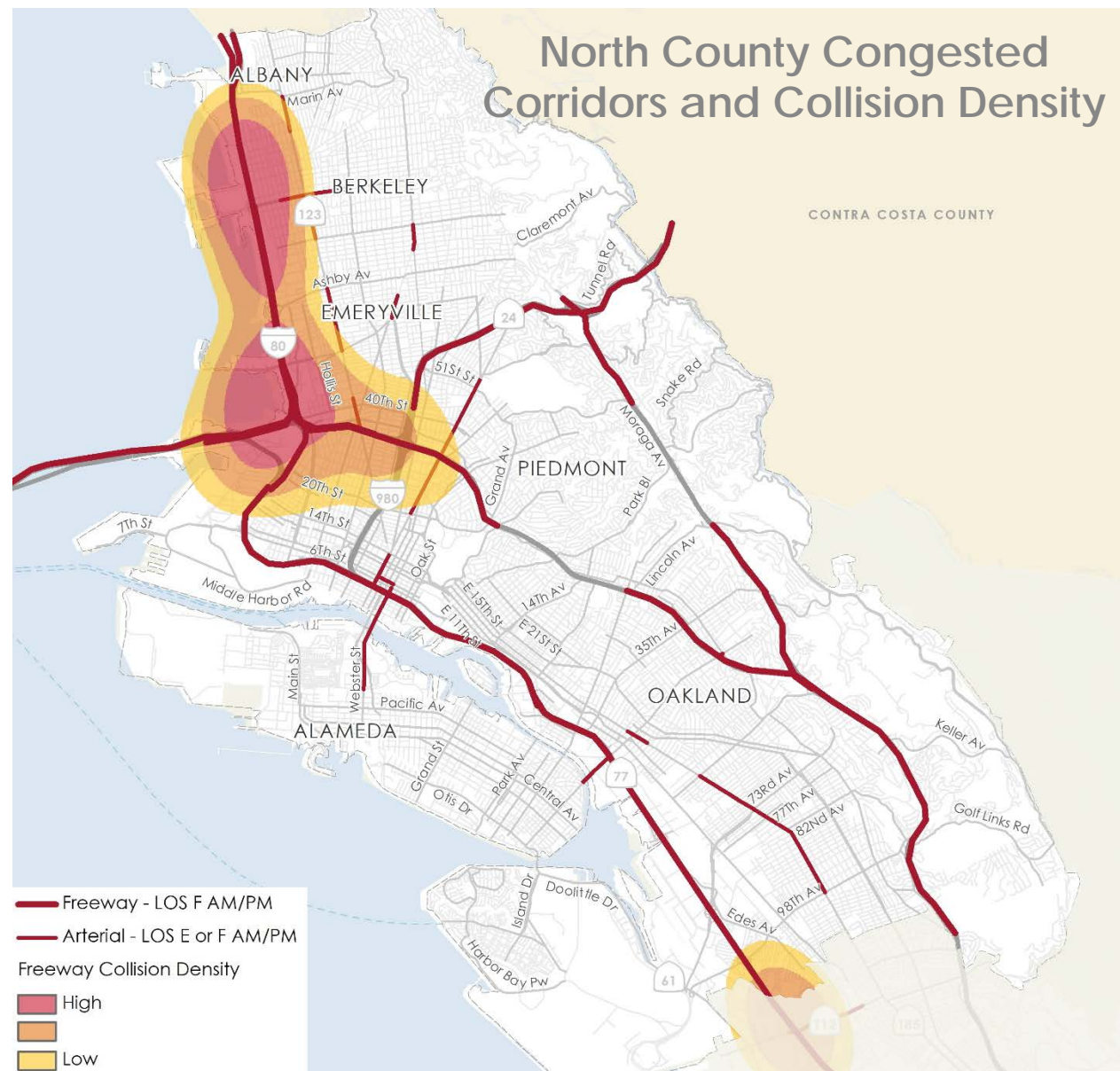


Data Source: Countywide Active Transportation Plan, 2019

Freeways

Key Challenges/Needs:

- Congestion and complex operations approaching Bay Bridge result in high collision densities on I-80 and I-580
- Substantial delays on Bay Bridge approach impact Transbay Buses
- Congestion on I-880 and I-80 impacts trucks heading to the Port
- Spillover traffic onto parallel arterials throughout North County results in long/unreliable travel times
- Heavy congestion increases emissions in communities along freeway corridors

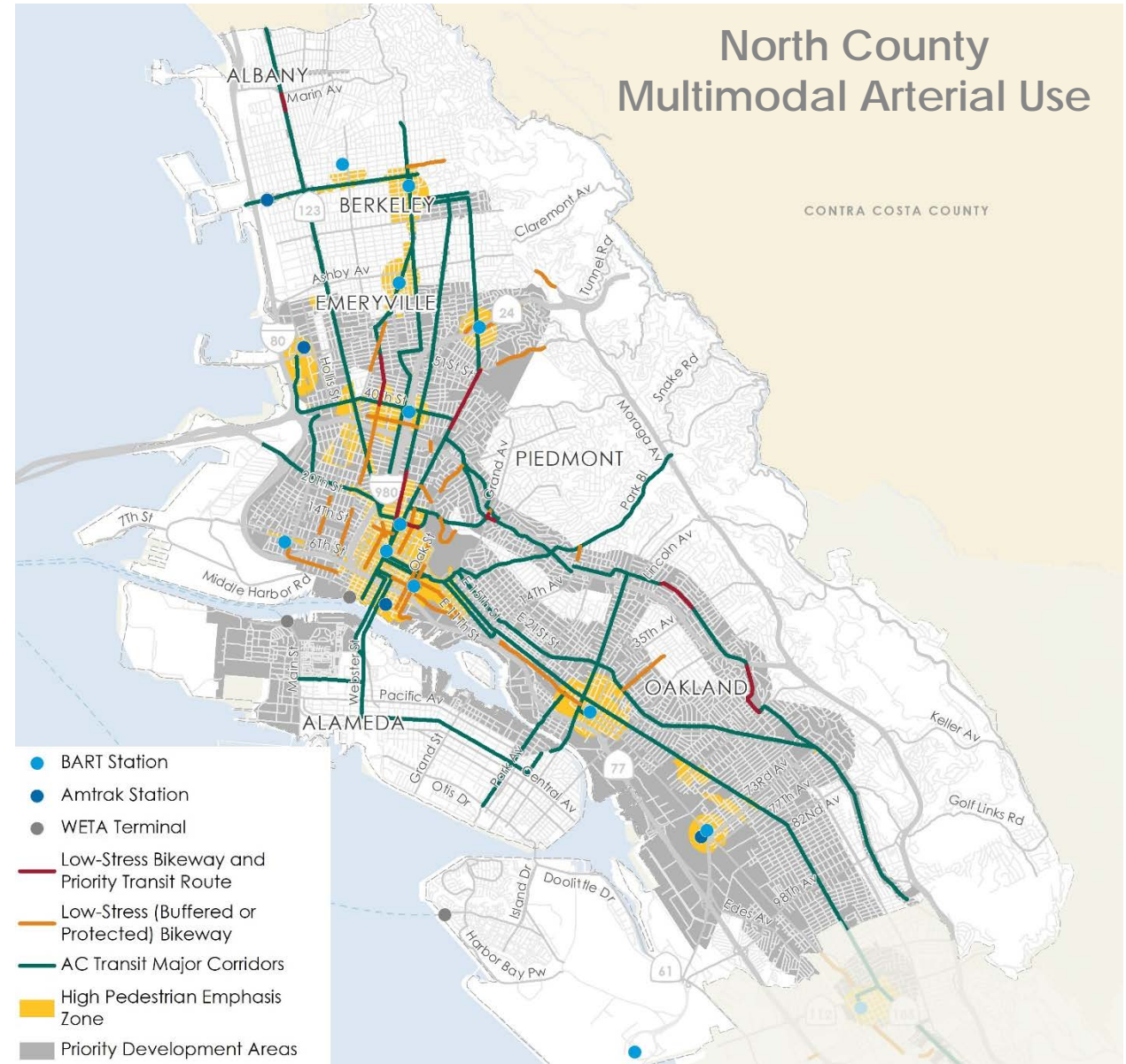


Data Source: LOS Monitoring Report, 2018

Arterials

Key Challenges/Needs:

- Dense mixed-use land use and large commercial districts results in heavy multimodal demand
- Right-of-way constraints result in competition for curb and roadway space, forcing trade-offs between modes
- Heavy congestion during peak periods results in slow transit travel speeds and safety concerns
- Crossing arterials on foot or by bicycle can be difficult and unsafe

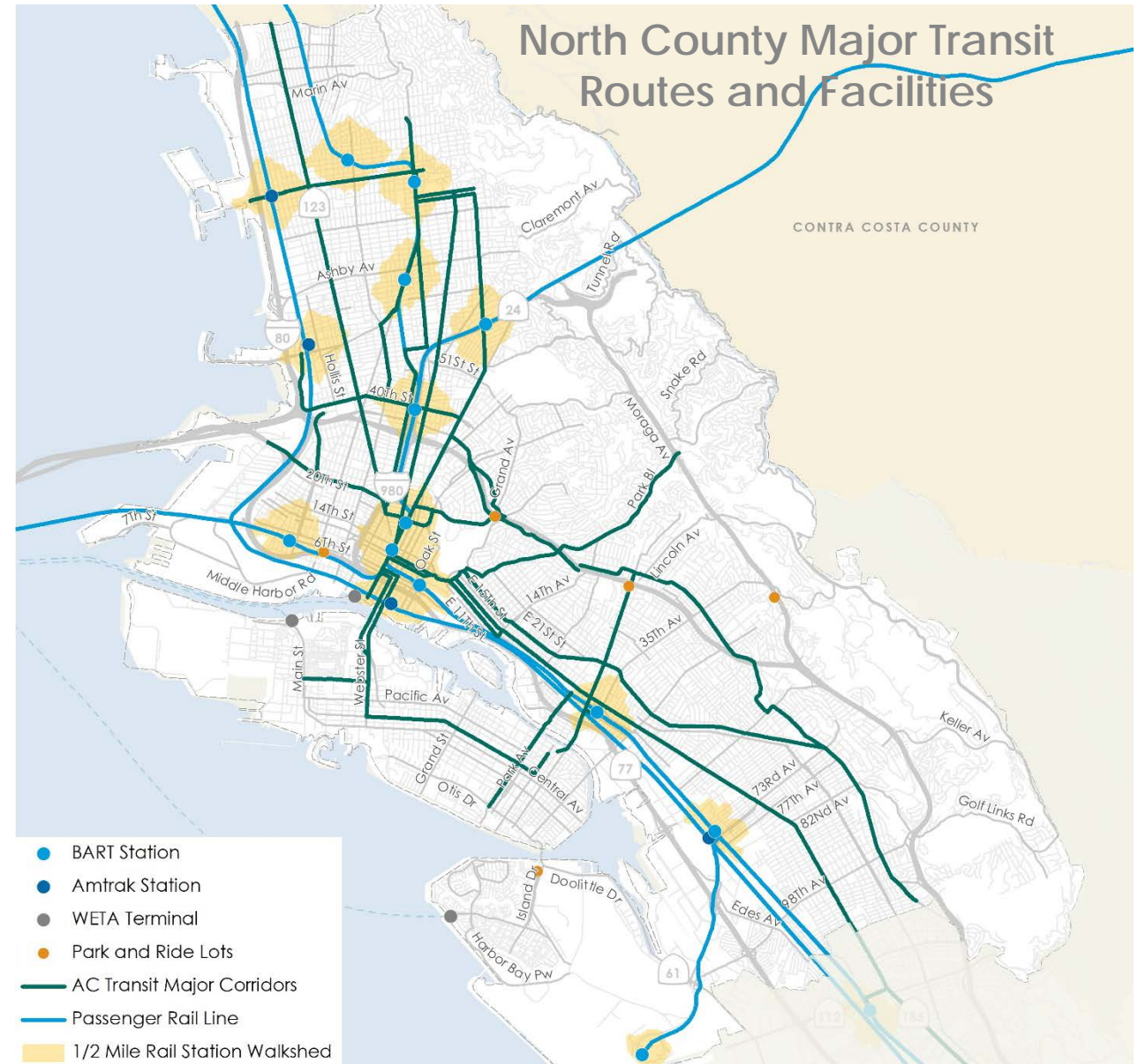


Data Sources: Countywide Transit Plan, 2016; Countywide Active Transportation Plan, 2019

Transit

Key Challenges/Needs:

- Existing transbay service operates at capacity during peak periods, with increased demand expected
- Congestion on local roads and freeways negatively impacts bus travel times and reliability
- Operational improvements require signal system upgrades
- Fare affordability concerns for low-income riders, particularly with transfers between agencies
- Limited first/last-mile access to commuter rail and ferry terminals

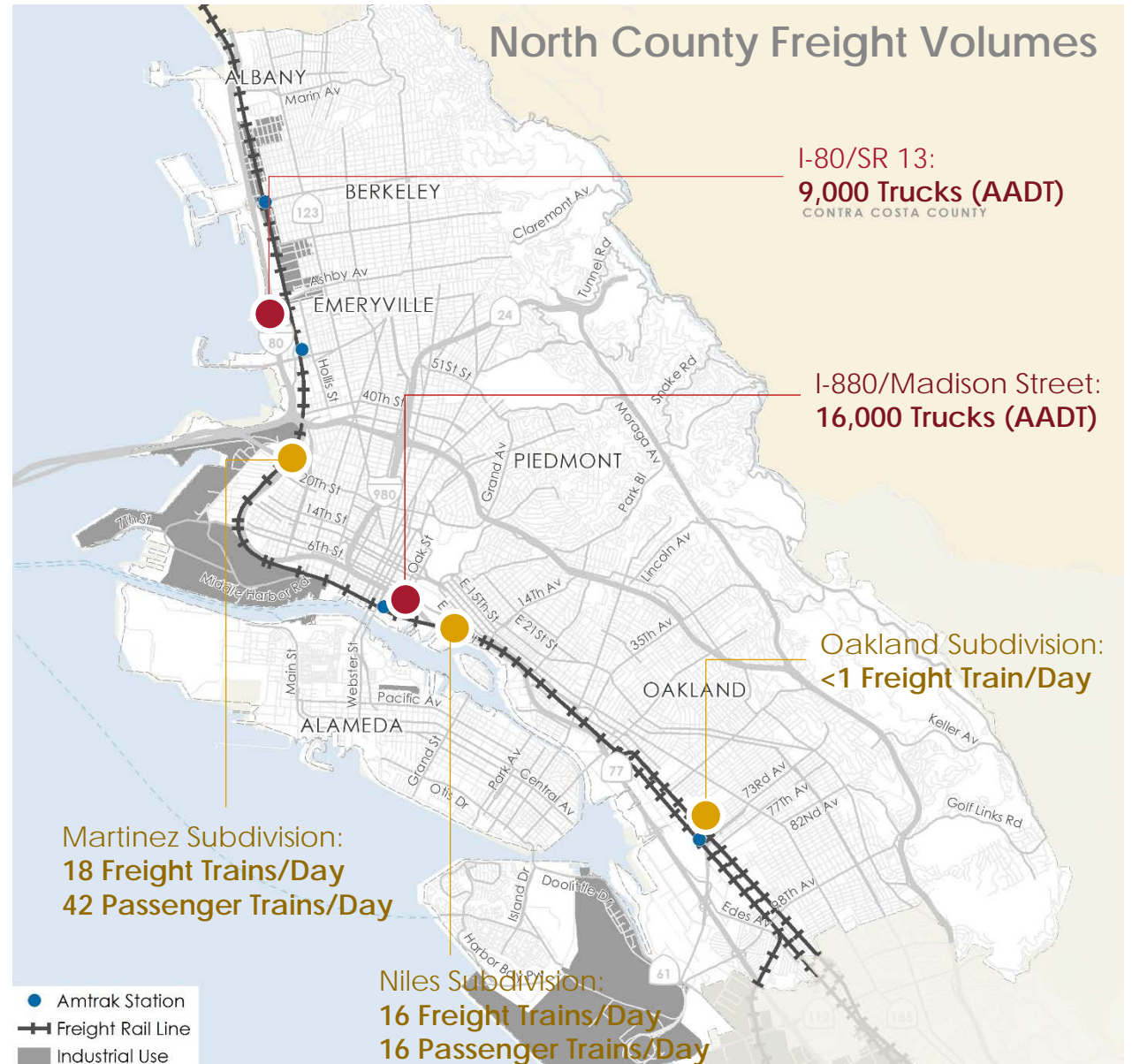


Data Source: Countywide Transit Plan, 2016

Goods Movement

Key Challenges/Needs:

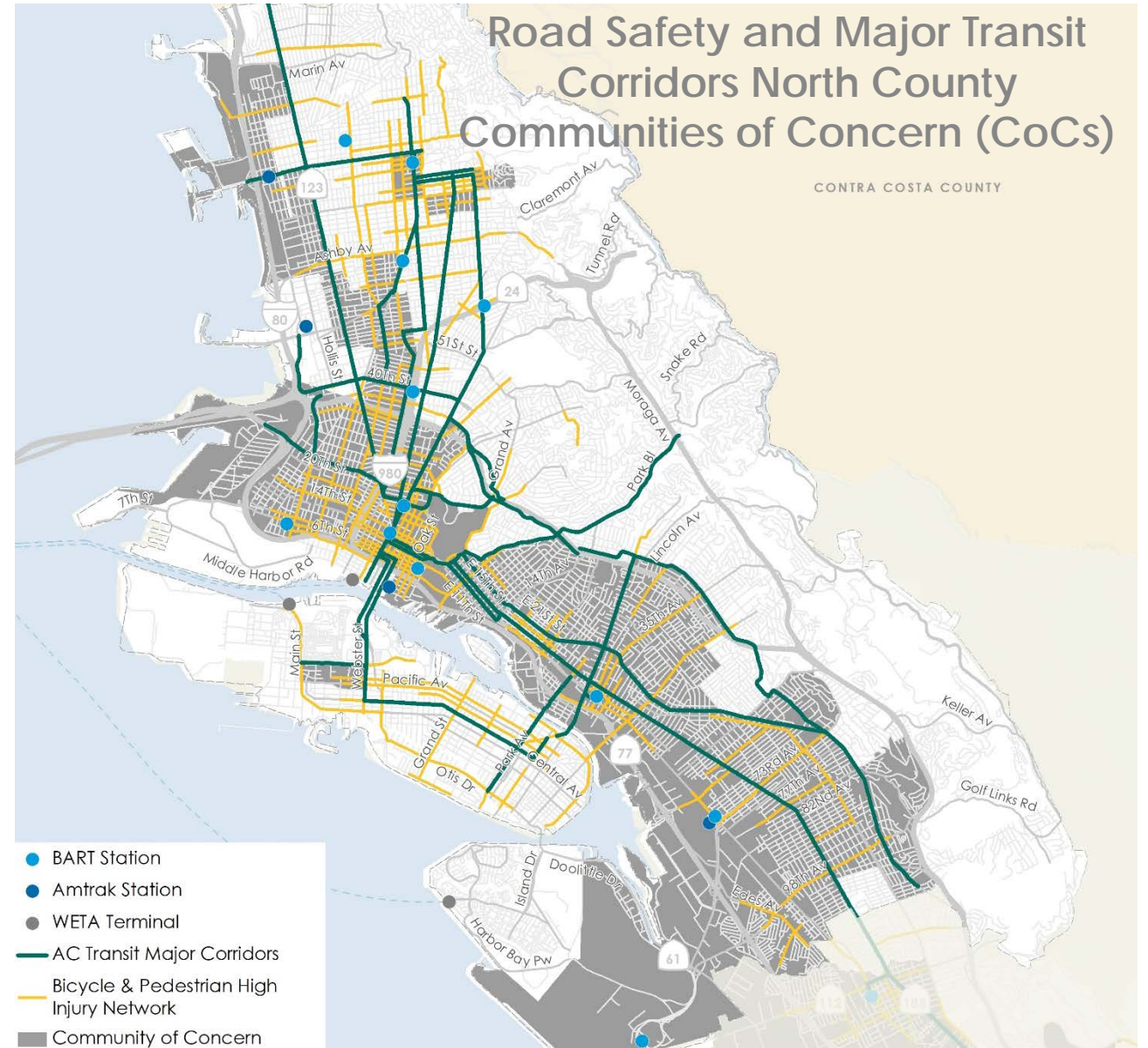
- High delays and variable travel times for trucks on I-80 and I-880
- Truck queueing, delay, and freeway access challenges at the Port of Oakland
- Rail capacity constraints
- Land use and roadway design conflicts between industrial areas and neighboring communities
- Emissions, safety, and parking impacts in West Oakland and along freeway and rail corridors



Data source: Countywide Goods Movement Plan, 2016; Caltrans AADT Databook, 2017

Communities of Concern

- Countywide Community Based Transportation Plan (CBTP)
- Outreach in North County CoC's
- Findings:
 - Concerns over walking and biking safety, particularly at crossings and at night
 - Support for more affordable transit fares and better coordination between agencies
 - More frequent service during off-peak
 - Community impacts from freight



Major Needs in North County



Improved Travel Times and Reliability of High-Frequency Transit



Transit Capacity Improvements on Critical Commuting Routes



Safety Improvements Across All Modes and Users



Improved Goods Movement Operations at the Port with Reduced Impacts on Communities