Addressing Community Impacts

Port of LONG BEACH
The Green Port

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COMMUNITY IN MIND

Minimize negative impacts on our neighbors

PORT MITIGATION

More than $17 million in grants to mitigate impacts


Port of LONG BEACH
Mobile Care
ter health!

Port Impact Study

- Air Quality and Health Risk
- Traffic and Mobility
- Noise
- Water Quality

Defining Our Impacts

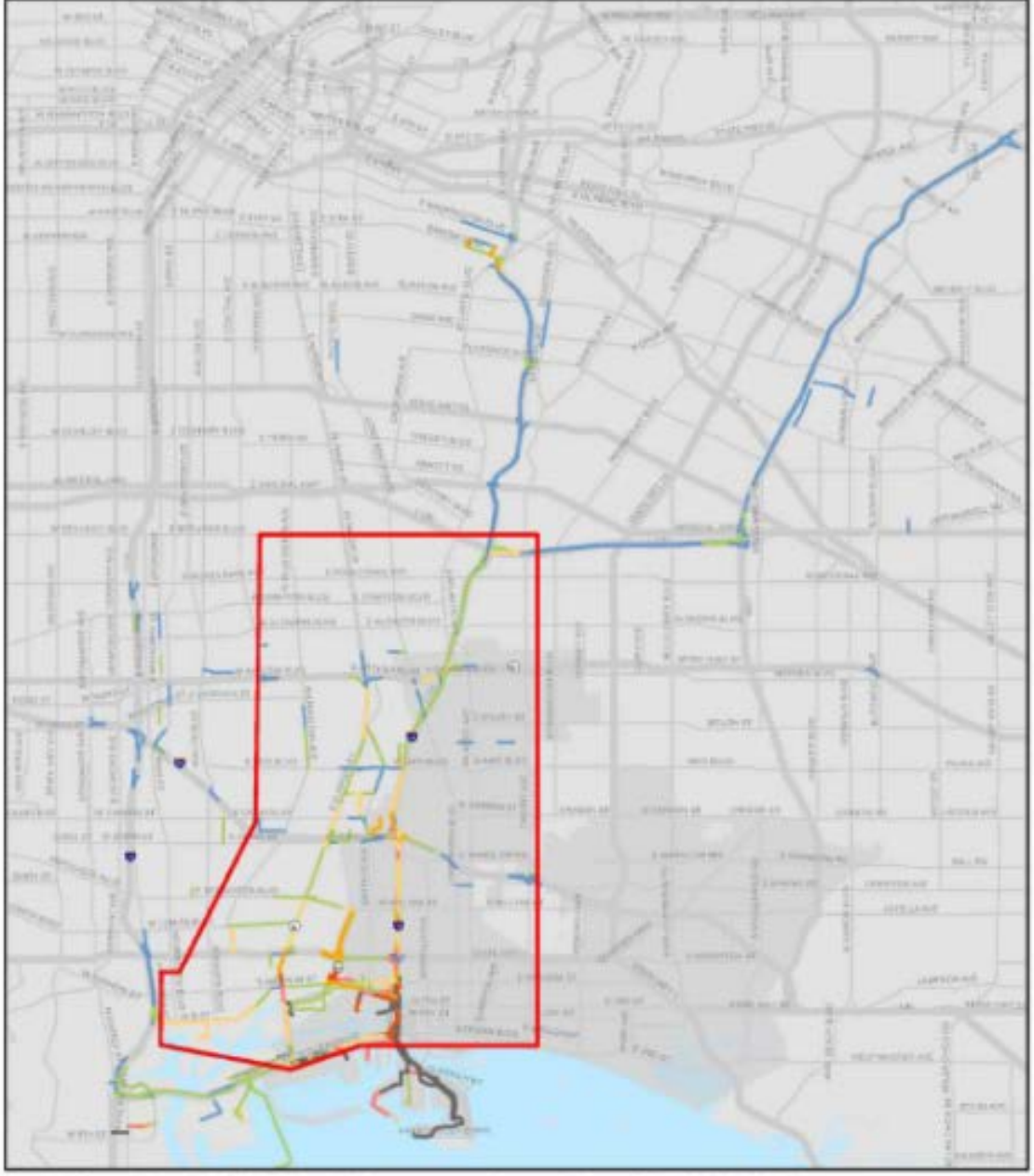
- What are the impacts?
- How do we calculate?
- What is the Port's share of those impacts?
- How can we mitigate these impacts?

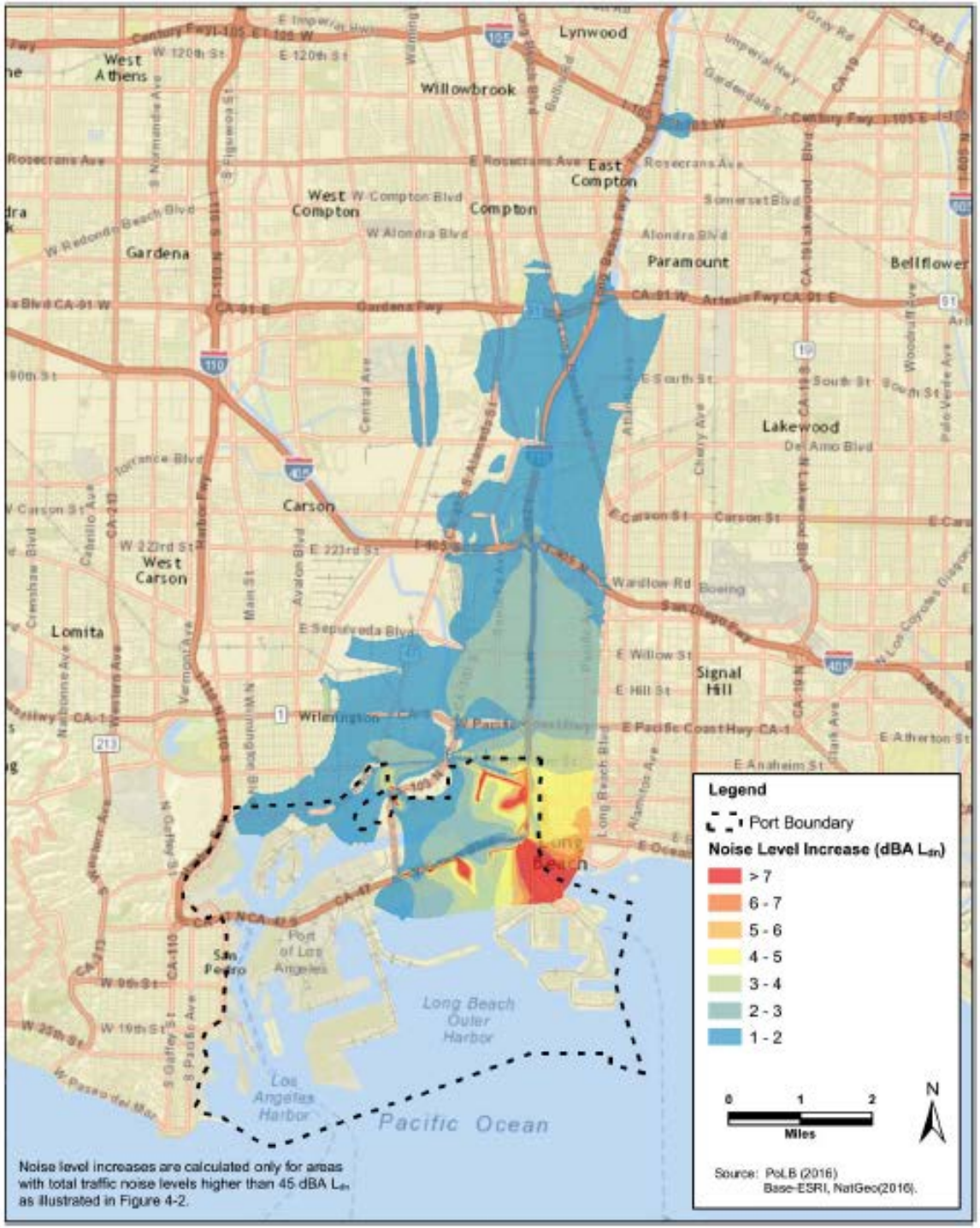
Measuring the Impacts

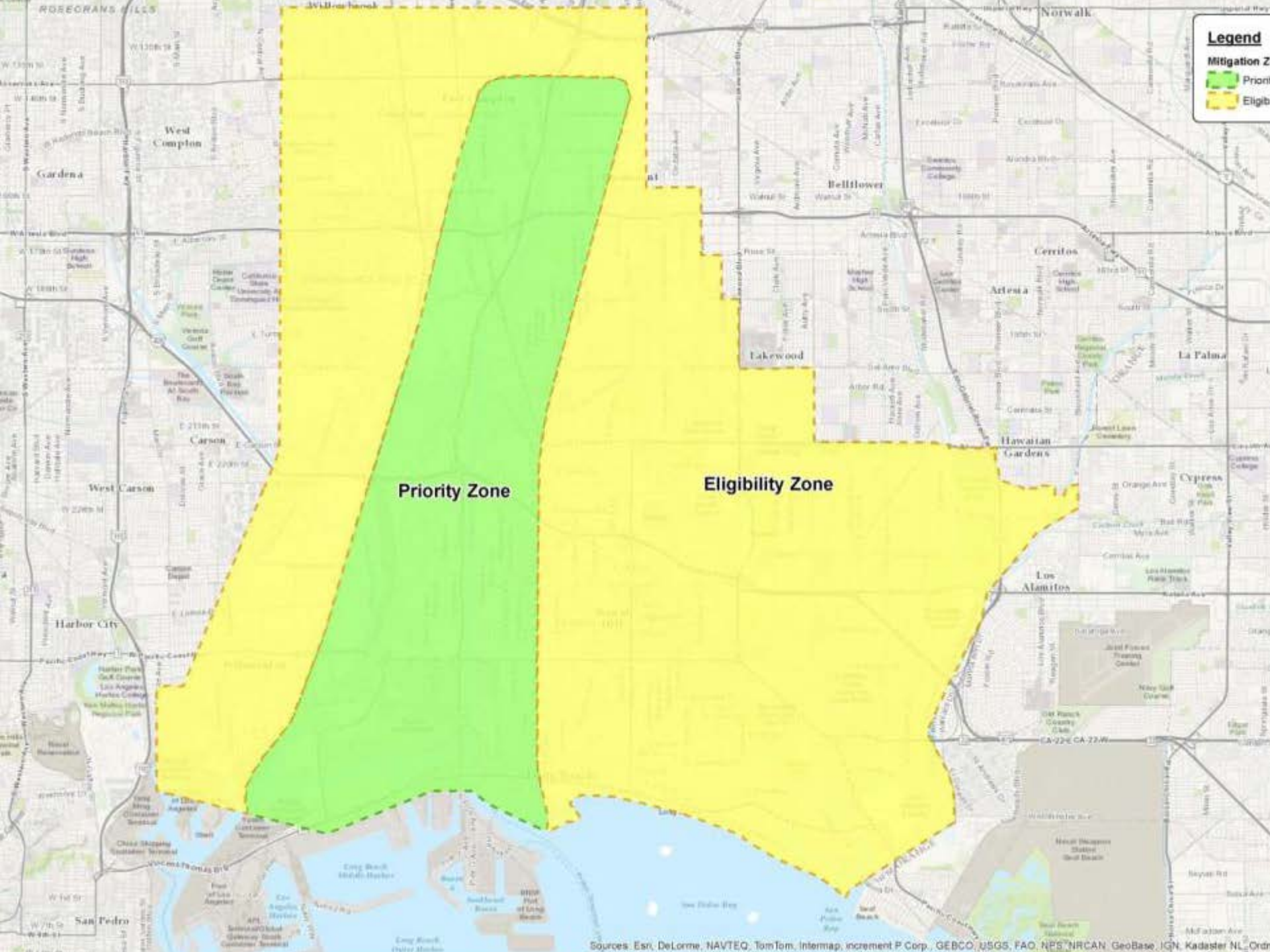
- Quantifiable metrics
  - How much will it cost to mitigate?
- Geographic distribution
  - Where do we target our dollars?

Data Sources

- Existing data
- Publicly available documents
  - Air emissions inventory
  - Health risk assessment
  - Traffic and noise modeling


Port of Long Beach Daily Truck Volumes as a Proportion of Total Daily Volume
1.1% - 2%
2.1% - 5%
5.1% - 10%
10.1% - 20%
20.1% - 30%
30.1% - 40%
40.1% - 100%
Affected Region
City of Long Beach
Other Major Streets
0 1 2 4 Miles
NORTH


Legend
Port Boundary
Noise Level Increase (dBA L_{dn})
> 7
6 - 7
5 - 6
4 - 5
3 - 4
2 - 3
1 - 2
0 1 2
Miles
N
Source: PoLB (2016)
Base-ESRI, NatGeo(2016).
Noise level increases are calculated only for areas with total traffic noise levels higher than 45 dBA L_{dn} as illustrated in Figure 4-2.
Lynwood
Willowbrook
West Athens
East Compton
West Compton
Compton
Gardena
Paramount
Bellflower
Lakewood
Carson
West Carson
Lomita
Signal Hill
Long Beach Outer Harbor
Los Angeles Harbor
Pacific Ocean
Port of Los Angeles
San Pedro


Legend
Mitigation Z
Priori
Eligib
Priority Zone
Eligibility Zone
Norwalk
West Compton
Gardena
Bellflower
Cerritos
Artesia
Lakewood
La Palma
Carson
West Carson
Hawaiian Gardens
Cypress
Los Alamitos
Harbor City
San Pedro
Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordn

Next Steps

- Identify **mitigation strategies**
- Calculate the **cost** of port impacts

Air

Traffic

Water

Noise

- Doors and/or windows replacement
- Air filters and HVAC
- Buffer parks and open space
- Trees and landscaping
- Health programs
- Energy efficiency upgrades
- Renewable energy projects

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- Bicycling infrastructure
- Pedestrian infrastructure
- Traffic-calming measures

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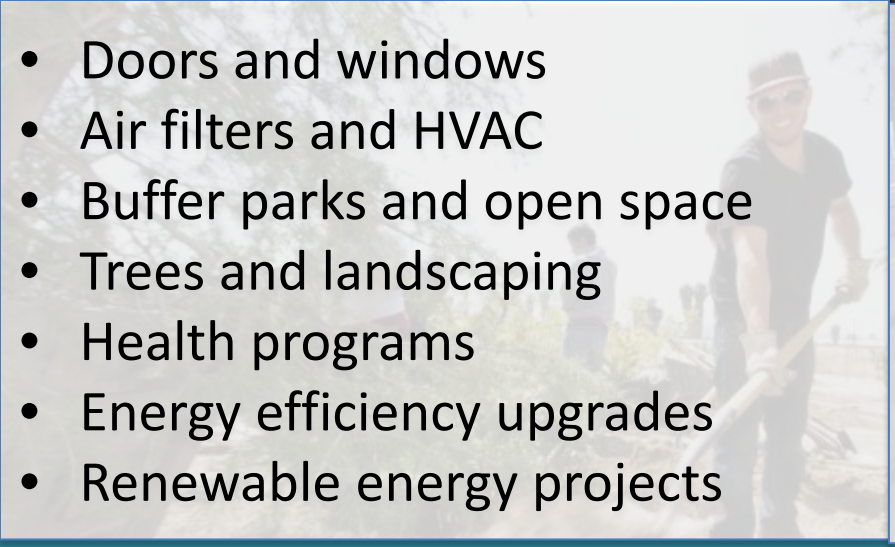
Traffic

- Multi-benefit regional projects
- Stormwater infiltration or retention
- Stormwater capture or reuse
- Stormwater treatment

Water

Noise



- Doors and windows
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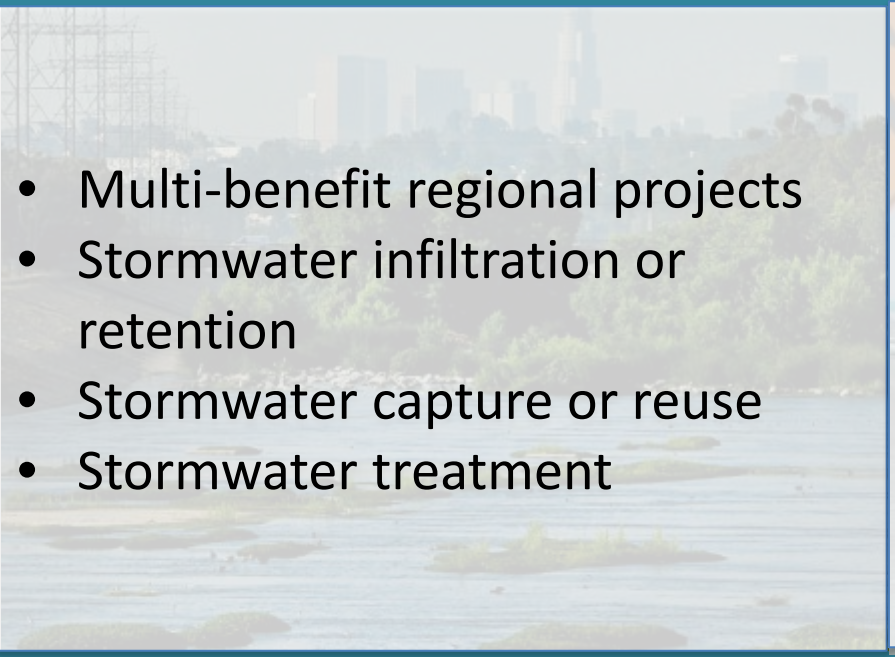
Traffic



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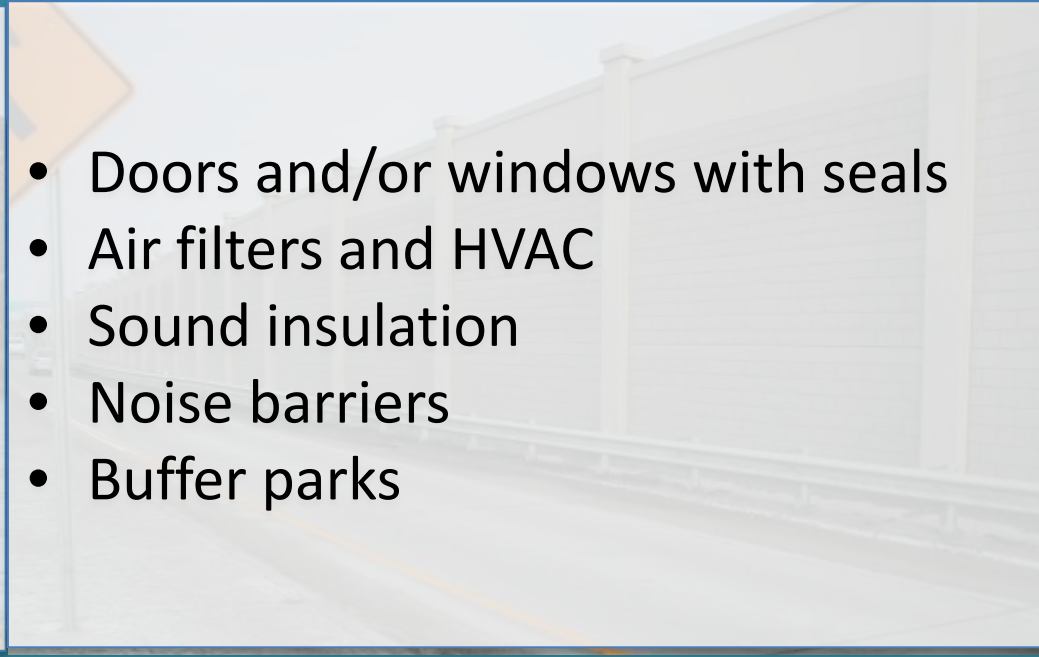
Water



- Doors and/or windows with seals
- Air filters and HVAC
- Sound insulation
- Noise barriers
- Buffer parks

Noise

Cost of Port Impacts

- Used metrics established by other agencies

Air Quality	**$21,419,996**
Traffic	**$20,456,645**
Noise	**$3,068,497**
Water	**$1,440,000**

$46.4 million

Funding Priorities

Shaped by community outreach

Community Priorities

Community Grants Advisory Committee

Proposed Priorities FY 18

Health Programs

$3 million

3-4 awards

3-year deadline

Air Filters/ HVAC

$400,000

2-year deadline