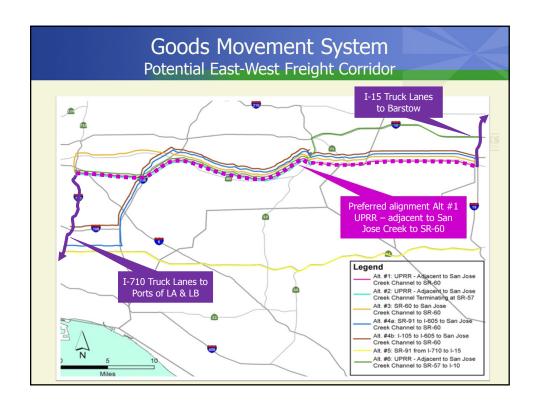


Purpose of Today's Discussion

- Make staff recommendation on a general East–West corridor alignment and strategy for incorporating zero-emission technology
- Describe rationale for recommendation
- Hear comments from Steering Committee



Assessment Summary: Staff Recommendation

Alignment (Alt. #1):

- Avoids significant residential property impacts.
- Offers good connectivity to warehouse & manufacturing facilities.
- Results in greatest traffic reduction on parallel routes and high reductions in total & heavy truck delay.
- Provides opportunity to improve the flood control channel.
- Provides opportunity to redevelop UP-adjacent industrial property between I-710 and I-605 and to mitigate rail impacts in area.

Assessment Summary (Cont).

Connecting the SJC to SR-60:

- •Full- length corridor (to I-15) is important to realize maximum benefits
- •SR-60 has fewer ROW constraints east of SR-57 compared to I-10
- •Near SR-57, connection to SR-60 is challenging
- •Initial engineering work underway to address potential residential impacts in vicinity of SR-57/SR-60

UP- Adjacent as a Connector to I-710:

- •Less residential property impacts than 91 / 105 / 605
- •More engineering work would be required to lessen impacts to industrial facilities

Connection Issues

- SJC to SR-57/SR-60:
 - "S" curves: slower speed
 - Alternate direct connection: ROW impact severe
- UP-adj to SJC:
 - Potential impact on proposed park and bike path
 - Alternate has other ROW impacts
- Develop alternative design concepts
 - Evaluation of alternatives beyond 2012 RTP

Next Steps

Develop Financial Plan Beyond 2012 RTP



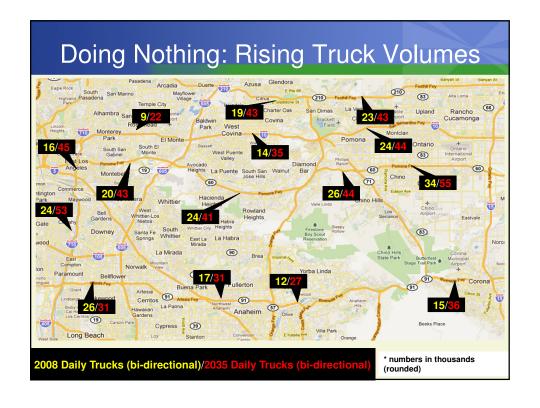
- Recommendation on a refined concept for RTP
 - Initiates process of more detailed environmental and engineering study
- EIR/EIS and PSR
 - Analysis of alternatives

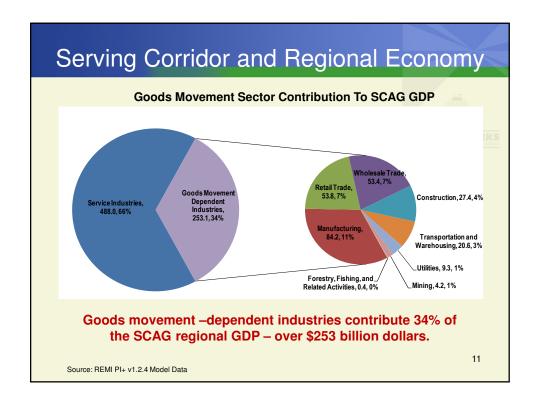
7

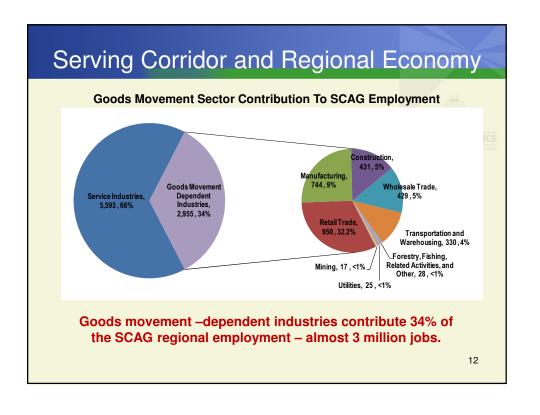
Benefits of a Freight Corridor to Communities/Region

- Reduce congestion for trucks and autos in corridors served
- Reduce truck traffic on general purpose lanes
- Serve corridor and regional economy
- Reduce truck/auto interactions to improve safety
- Reduce emissions and adverse health impacts
- Serve as catalyst for advanced technologies

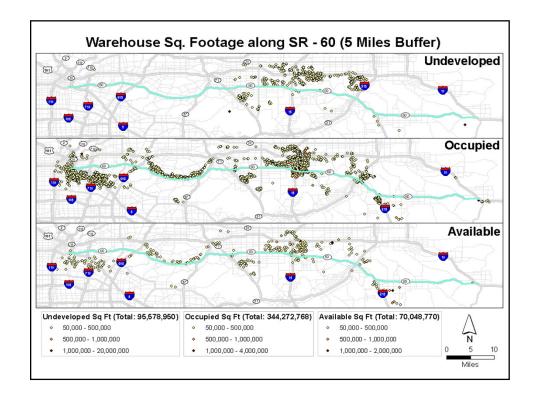








| Provide Connectivity to Regional Warehousing | | | | | | |
|--|----------------------------|------------------------------|--|--|--|--|
| | Total Square Feet (mil) | Percent of Regional Total | | | | |
| SR-60 | 509.9 | 50% | | | | |
| UP Line | 533.4 | 52% | | | | |
| SCE Line | 291.5 | 29% | | | | |
| I-10 | 442.9 | 43% | | | | |
| SR-91 | 188.9 | 18% | | | | |
| I-605 | 106.2 | 10% | | | | |
| I-15 | 203.8 | 20% | | | | |
| I-105 | 78.4 | 8% | | | | |



Serving Corridor and Regional Economy

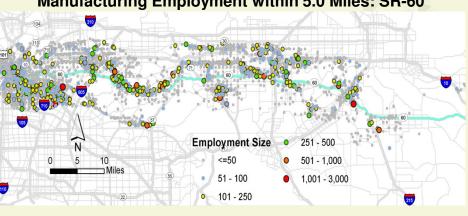
Provide Connectivity to Regional Manufacturing

| | Total Manufacturing Employment | Percent of Regional Total |
|---------|--------------------------------------|------------------------------|
| SR-60 | 226,886 | 27% |
| UP Line | 237,756 | 28% |
| I-10 | 156,046 | 18% |
| SR-91 | 165,976 | 20% |

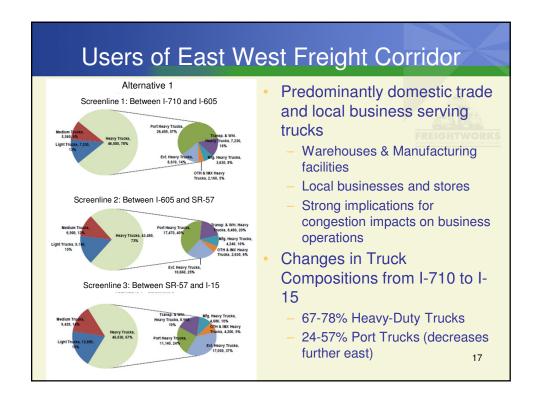
Manufacturing employment within 5.0 miles of different potential Freight Corridor alignments

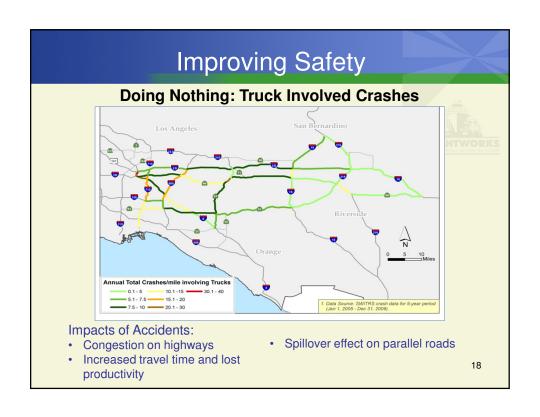
15

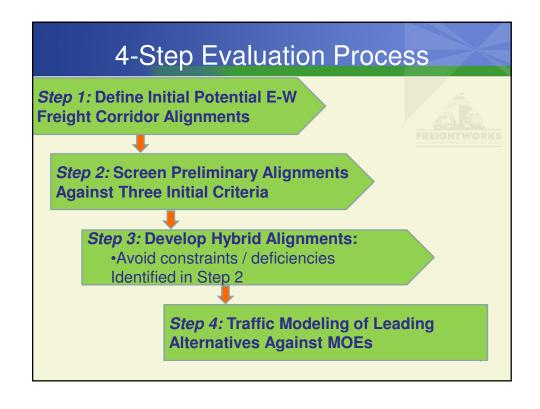
Serving Corridor and Regional Economy Manufacturing Employment within 5.0 Miles: SR-60

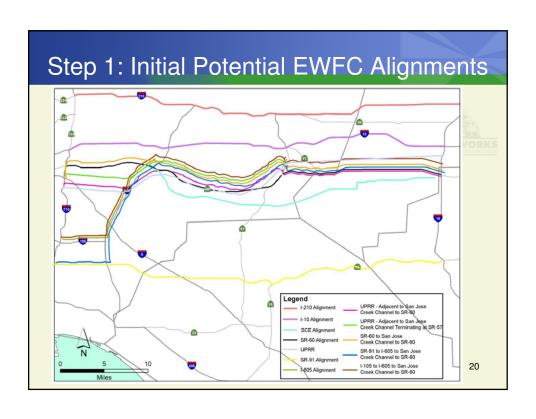


•27% of SCAG regional manufacturing employment is within 5 miles of SR-60.









Step 2: Initial Evaluation Criteria

- Proximity to markets: warehouses and manufacturing facilities
- Right-of-way constraints: impacts on the adjacent properties (residential, commercial, industrial, etc.) and the level of impacts
- 3. Traffic impacts:
 - Regional highways with high truck volumes
 - High incident rates for truck involved crashes

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Step 2: Initial Screening Outcomes

Proximity to Goods Movement Markets

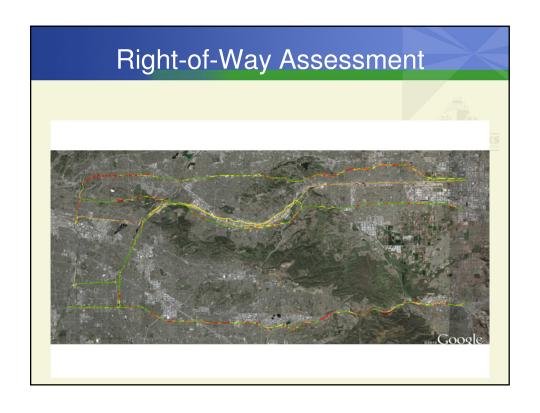
- •Resulted in elimination of I-210
- •Resulted in elimination of SR-91 (Later re-added and assessed for traffic impacts)

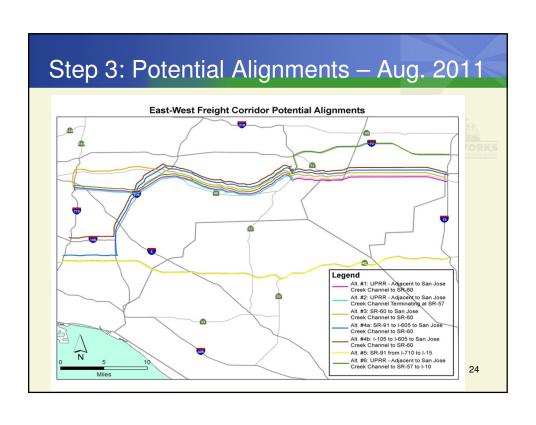
ROW Constraints
/ Limitations
(Grades, etc.)

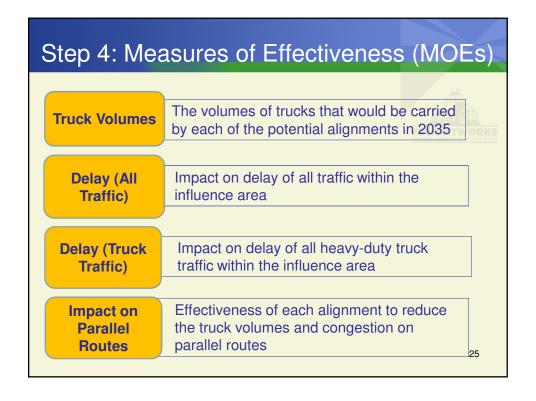
- •Another factor suggesting I-210 and SR-91may not be feasible.
- •Resulted in elimination of SCE

Traffic Impacts

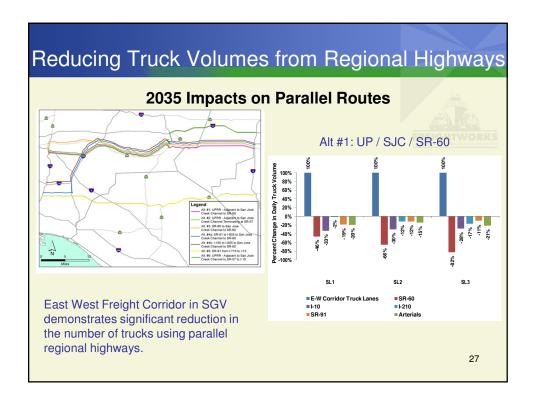
- •Confirmed need for E-W Corridor
- Showed importance of SR-60
- Confirmed need to connect to I-710







2035 Freight Corridor Truck Volumes 2035 Truck Lane Usage (Trucks / Day) Alt. #4a Alt. #1 Alt. #2 Alt. #3 Alt. #5 Screenline 105/605/ UP/SJC/60 UP/SJC 60/SJC/60 91/605/ SJC/60 SR-91 UP/SJC/10 SJC/60 58,600 SL1 58,700 60,700 57,100 60,700 78,600 59,900 SL2 58,200 55,400 57,800 54,700 55,300 62,300 57,700 70,300 N/A 71,000 70,100 SL3 69,300 55,200 56,500 •All truck lane alignments all show heavy use by trucks. Truck volumes are between 54,000 - 79,000 at all locations, all alignments. 26



2035 Impacts on Parallel Routes

| | | | Alternative Description | | | | | | |
|-------|-----|----------|-------------------------|---------|-----------|--------------------|---------------|---------|-----------|
| HW | SL# | No-Build | Alt. #1 | Alt. #2 | Alt. #3 | Alt. #4a | Alt. #4b | Alt. #5 | Alt. #6 |
| | | | UP/SJC/60 | UP/SJC | 60/SJC/60 | 105/605/SJC/6 0 | 91/605/SJC/60 | SR-91 | UP/SJC/10 |
| I-210 | SL1 | 44,700 | 44,000 | 43,500 | 43,800 | 43,700 | 43,900 | 43,400 | 44,600 |
| | SL2 | 40,900 | 36,000 | 37,500 | 37,000 | 35,300 | 35,900 | 38,600 | 34,200 |
| | SL3 | 27,300 | 22,600 | 25,900 | 23,400 | 21,700 | 22,200 | 24,900 | 18,900 |
| I-10 | SL1 | 21,500 | 14,300 | 15,000 | 12,900 | 15,900 | 15,800 | 18,600 | 14,593 |
| | SL2 | 36,400 | 25,600 | 28,000 | 26,700 | 26,500 | 26,700 | 32,800 | 25,657 |
| | SL3 | 39,100 | 28,100 | 34,700 | 28,800 | 28,700 | 28,700 | 34,800 | 10,367 |
| SR-60 | SL1 | 42,500 | 22,900 | 21,800 | 11,400 | 29,000 | 29,300 | 33,200 | 22,300 |
| | SL2 | 41,000 | 14,100 | 11,300 | 12,000 | 17,000 | 18,000 | 31,400 | 16,500 |
| | SL3 | 51,000 | 9,000 | 60,300 | 7,000 | 9,200 | 10,700 | 39,000 | 45,100 |
| SR-91 | SL1 | 51,200 | 41,500 | 42,700 | 43,700 | 38,500 | 34,500 | 14,600 | 41,000 |
| | SL2 | 36,100 | 31,700 | 32,700 | 32,600 | 32,600 | 31,300 | 7,200 | 32,300 |
| | SL3 | 29,600 | 26,400 | 28,800 | 26,700 | 26,700 | 25,900 | 6,500 | 26,900 |

•SR-91 has least impact on parallel routes – less regional impact

Largest impact is on SR-60 under Alt.#1 and Alt. #3

