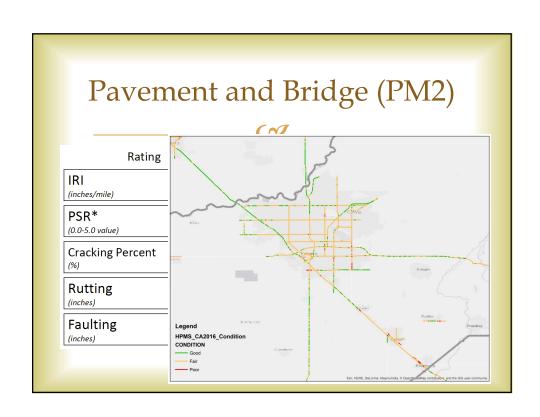


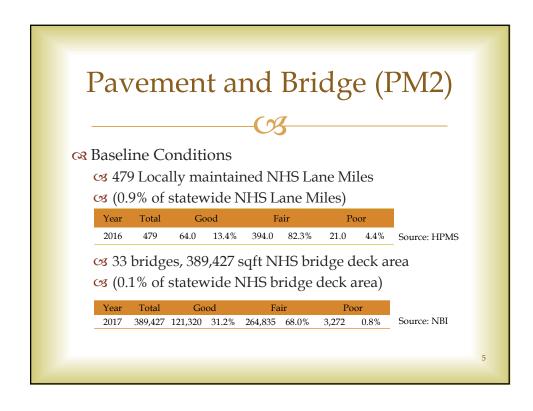
# • Safety Performance Measures • 2018 targets approved November 2017 • Pavement and Bridge • MPO target due November 2018 • System Performance, Freight and CMAQ • MPO target due November 2018

### PM2 Performance Measures



- Reformance Measures (2-year and 4-year targets)
  - 3 % Interstate pavements in Good condition
  - 😘 % Interstate pavements in Poor condition
  - ∨ 8 Non-Interstate NHS pavements in Good condition
  - 😘 % Non-Interstate NHS pavements in Poor condition
  - 😘 % NHS bridges in Good condition
  - ∨ NHS bridges in Poor condition





### Pavement and Bridge (PM2)

(%

- State Target
  - **S** Caltrans jurisdiction on Interstate and State Highways
  - MPO input for locally maintained NHS
  - S Final state target calculated using weighted averages

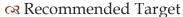
Statewide NHS Pavement and Bridge Targets				
Pavement and Bridge Performance	2-Year NHS Targets (1/1/2018 - 12/31/2019)		4-Year NHS Targets (1/1/2020 - 12/31/2021)	
Measures	Good	Poor	Good	Poor
Pavements on the NHS				
Interstate	45.1%	3.5%	44.5%	3.8%
Non-Interstate	28.2%	7.3%	29.9%	7.2%
Bridges on the NHS	69.1%	4.6%	70.5%	4.4%

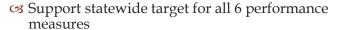
## Pavement and Bridge (PM2)



- - Use deterioration rate
    - № 9% good-> fair, 3% fair -> poor annually (pavement)
    - 0.45% good -> fair, 0.75% fair-> poor annually (bridge)
  - S Find corresponding SB1 and RTP projects

    - Based on current condition
      - № Poor -> Good or Fair -> Good







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### PM3 Performance Measures



- Performance Measures (2-year and 4-year targets)
  - **3** % Reliable person-miles traveled on the Interstate.
  - % Reliable person-miles traveled on the Non-Interstate NHS.
  - Percentage of Interstate system mileage providing for reliable truck travel time. (Truck travel time reliability)
  - Total emissions reductions by applicable pollutants under the CMAQ program.



03

Only include I-5 segment in Fresno County

	2017	2018 (up to date)
Fresno County	100%	100%
California	64.6%	66.3%

 Reliable person-miles traveled on the Interstate

	2017	2018 (up to date)
Fresno County	92.7%	91.1%
California	73.0%	74.7%

Source: NPMRDS

PM3 System Performance

C3

C3 Seasonal Effect

Fresno County Non-Interstate NHS Reliability

96.00%
99.00%
99.00%
88.00%
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# PM3 Freight Performance



- - $\mathbf{CS}$  TTTR =  $95^{th}$  pct t.t.t./ $50^{th}$  pct t.t.t
  - Max(TTTR) of all time periods (AM, PM, midday, weekend)
  - **W**eighted average based on segment length
  - Only include I-5 segment in Fresno County

	2017	2018 (up to date)
Fresno County	1.05	1.07
California	1.69	1.67

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# PM3 State Target



### **™** State Targets

Performance Measure	2017 Baseline Data	2-year Target	4-year Target
Percent of Reliable Person-Miles Traveled on the Interstate <sup>1</sup>	64.6%	65.1% (+0.5%)	65.6% (+1%)
Percent of Reliable Person-Miles Traveled on the Non-Interstate NHS <sup>1</sup>	73.0%	N/A	74.0% (+1%)
Percentage of Interstate System Mileage Providing Reliable Truck Travel Time (Truck Travel Time Reliability Index) <sup>1</sup>	1.69	1.68 (-0.01)	1.67 (-0.02)
Total Emissions Reductions by Applicable Pollutants under the CMAQ Program <sup>2</sup>			
VOC (kg/day)	951.83	961.35 (+1%)	970.87 (+2%)
CO (kg/day)	6,863.26	6,931.90 (+1%)	7,000.54 (+2%)
NOx (kg/day)	1,753.36	1,770.89 (+1%)	1,788.43 (+2%)
PM10 (kg/day)	2,431.21	2,455.52 (+1%)	2,479.83 (+2%)
PM2.5 (kg/day)	904.25	913.29 (+1%)	922.34 (+2%)

# PM3 CMAQ

### 03

- Only for non-attainment and maintenance areas.

	2017	2018
VOC (kg/day)	17.91	3.27
CO (kg/day)	0.04	0.04
NOx (kg/day)	18.94	27.52
PM10 (kg/day)	250.96	237.03
PM2.5 (kg/day)	74	71.26

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# PM3 CMAQ

### 03

- ☼ Emission reductions fluctuate year-to-year based on types of projects obligated.
- These fluctuations make it difficult to set our own targets unless COG changes the scoring criteria.
- The State is proposing minor increases, and since they are not asking us to changing our scoring Criteria, COG is confident that everyone in the State will work together to achieve these new targets.