

# **SR-91 CORRIDOR OPERATIONS PROJECT UPDATE**

Western Riverside County Programs and Projects  
Committee Meeting  
April 23, 2018

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# Today's Presentation

- Work since the December Commission meeting
- Staff Recommendations
  - Express Lanes entrance at I-15 Northbound
  - General Purpose Lanes 91 Westbound near the County Line
  - Procurements and contracts
  - Funding source
  - Agency-to-agency agreements



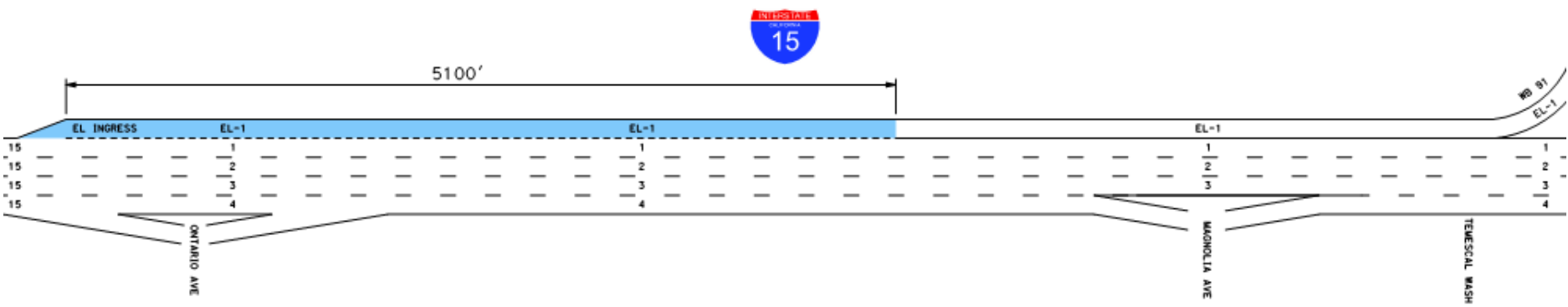
# Work performed since December

- Analyzed corridor traffic before and after the 91 Project opening
- Identified 91 corridor “Hot Spots”
- Engineered project options
- Analyzed project options
- Established criteria to evaluate options
- Formed recommendations



# Express Lanes entrance at I-15 Northbound Recommendation

- Staff recommendation: full implementation of Option 1
- Extend express lane entrance south



OPTION 1



# Express Lanes Entrance at I-15 Northbound Recommendation

## *Why option 1?*

- Reduces impact to GP Lanes from queuing out of the Express Lanes
- No impact to the I-15 ELP
- Negligible impact to toll revenue
- Cost and short-term implementation schedule

## *Implementation....*

Cost: \$284,000

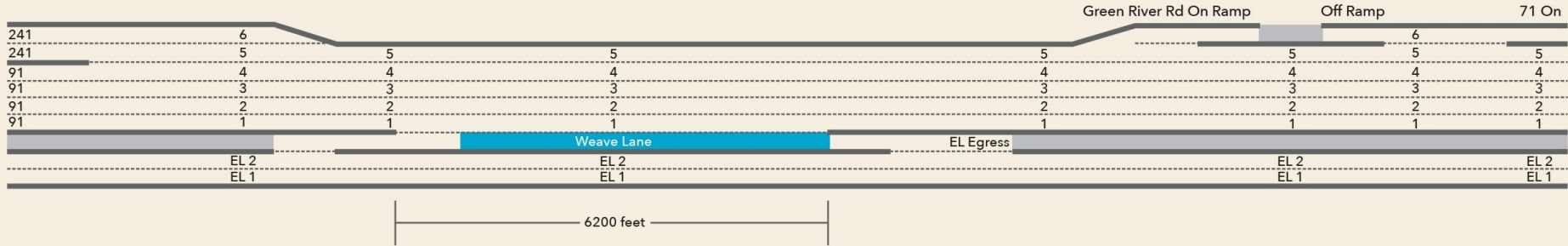
Schedule: 6 months



# General Purpose Lanes Westbound Near the County Line Recommendation

- Staff recommendation: full implementation of Option 3
- Restripe the existing ingress/egress areas to a continuous weave lane

## Option 3 Express Lanes Continuous Weave Lane





# General Purpose Lanes Westbound Near the County Line Recommendation

*Why option 3?*

- Improves GP Lane traffic: speed, travel time, volume
- Anticipated acceptable impact to toll revenue
- Cost and short-term implementation schedule

*Implementation....*

Cost: \$386,000

Schedule: 9 months

# Ramp Meter at Westbound Green River Road Recommendation

- Staff recommendation: maintain existing ramp metering
- Analyzed existing conditions
- Travel benefits for Green River Rd. users
  - 4 minute savings
  - 2 mph speed improvement
- Minimal change to 91 corridor operations
- Safety concerns with ramp merge





# Caltrans Consultation

- Fatal flaw review of options
- Options 4, 5, and 6 would not be approved
  - Narrow lanes and shoulders
  - Emergency vehicles
  - Vehicle breakdowns
  - Length of undesirable (non-standard) conditions
- Modifying option 4 to become more acceptable
  - Wider lanes and shoulders
  - Reconstructing shoulder
  - 7' pavement widening
  - Estimated project cost: \$30-\$50 million

# General Purpose Lanes Westbound Near the County Line Recommendation

- Staff recommendation: implement modified Option 4 in two steps
  - 1) Immediately begin project scoping, environmental studies, and final design
  - 2) Return Fall 2018 with construction recommendation with known toll revenue impacts
- Staff recommendation: update the 2012 91 Traffic and Revenue Study

## Option 4

### 5+1 General Purpose to Green River On Ramp



	Green River Rd On Ramp			Off Ramp		71 On
241	6	6	6		6	
241	5	5	5	5	5	5
91	4	4	4	4	4	4
91	3	3	3	3	3	3
91	2	2	2	2	2	2
91	1	1	1	1	1	1
	EL Ingress		EL Egress			
		EL 2		EL 2		EL 2
		EL 1		EL 1		EL 1



# General Purpose Lanes Westbound Near the County Line Recommendation

*Why option 4 modified?*

- Improves GP Lane traffic: speed, travel time, volume
- Comparable benefits to option 5 but with less impacts
- Less impact to Express Lanes than option 6

*Implementation....*

Step 1 cost: \$3.2 million schedule: 18 months

Step 2 Return Fall 2018 with construction recommendation



# Procurements and Contracts

- What we heard: implement quickly
  - “need for speed”
  - Short-term and mid-term recommendations
- Seeking more authority
  - Flexibility to accelerate work
  - Atypical project development process
- Ability to use existing contracts
  - 91 Project and I-15 Express Lanes Project contracts



# Procurements and Contracts

- Staff recommendation: Amend existing prof. services contracts
- Project and Construction Management: Parsons - \$3,192,000
- Staff Augmentation: Bechtel Corporation - \$300,000
- Traffic and Revenue Study Update: Stantec - \$500,000



# Procurements and Contracts

- Staff recommendation: Amend existing construction contracts or conduct competitive construction contract procurement(s)
- Construction option 1: Skanska-Ames - \$478,000
  - I-15 NB EL Option 1 - \$192,000
  - 91 WB GP Option 3 - \$286,000
- Construction option 2: future competitive procurement - \$398,000
  - I-15 NB EL Option 1 - \$160,000
  - 91 WB GP Option 3 - \$238,000



# Surplus Toll Revenue

- Staff recommendation: Use surplus toll revenue
  - All work to implement the improvements
  - Estimate: \$4,470,000
- What is it?
- 91 Express Lanes surplus toll revenue
- Return in Fall 2018 with surplus revenue plan



# Agency Agreements

- Staff recommendation: Authorize execution of agency agreements
- Agency-to-agency agreements
- New agreements or amendments
- Cover all phases of project development
- Potential agreements with Caltrans, OCTA, CHP, etc.





# Ongoing Policy Considerations

- Corridor focus for improvements
- Traffic & revenue study update
- Work closely with Caltrans, CHP
- Motorist safety
- I-15 ELP: no impact



**Thank you**