# Rehabilitation of the Lunt Road & Bucknam Road Bridges

October 20, 2016

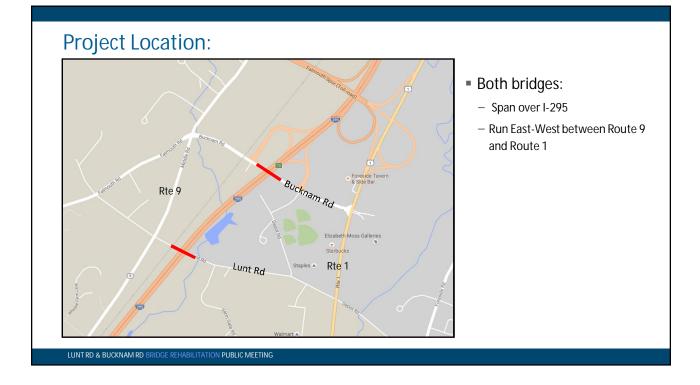
WIN 021720.00 & 021723.00 Federal Projects STP-02172(000) & STP-02172(300)

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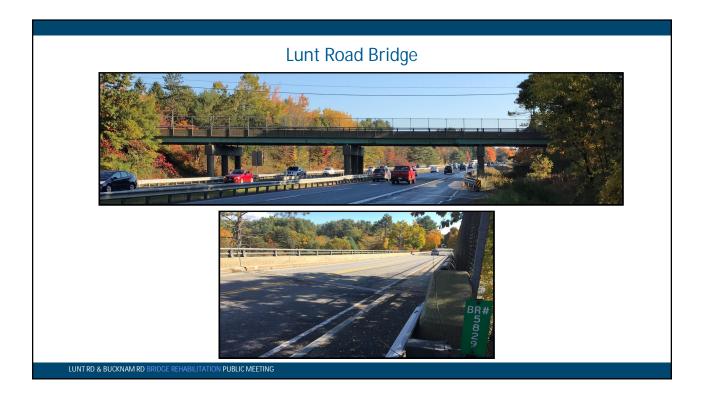


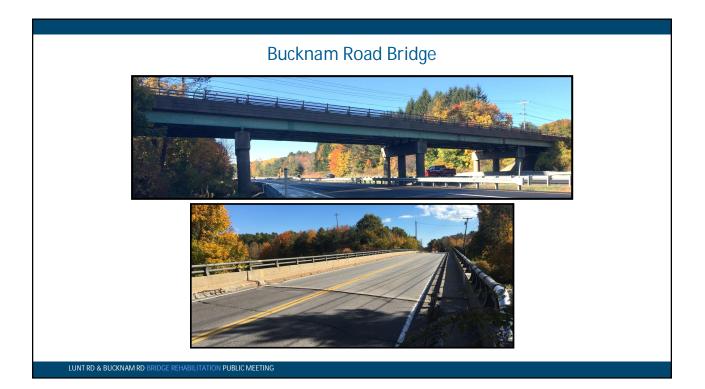
WSP PARSONS BRINCKERHOFF



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# Existing Bridge Information

	Lunt Road	Bucknam Road
Year Built	1960	1960
Previous Rehabs:	1990: Pavement & joints	1990: Pavement & joints
Bridge width	34′	33'
Lane width	11'-3"	11'-6"
Shoulder width	1'-6" SW side / 2'-0" other side	1'-6"
Sidewalk	Yes	No
Average Daily Traffic	5,360 vehicles/day	14,010 vehicles/day
Speed limit	25 mph	35 mph

LUNT RD & BUCKNAM RD BRIDGE REHABILITATION PUBLIC MEETING

Why do we need to rehabilitate them?

### Why do we need to rehabilitate?

- Bridge rehab is necessary to avoid limiting loads on bridges (posting) and to extend the life of the bridge
- The capacity of the structures have diminished over time and need strengthening for todays truck loadings
  - -The decks are deteriorating to the point of needing repair
  - -The shoulder widths are substandard
  - -The bridge railings are substandard
  - -Areas of deterioration on the piers and abutments need to be addressed

LUNT RD & BUCKNAM RD BRIDGE REHABILITATION PUBLIC MEETING

### Why do we need to rehabilitate the Lunt Road Bridge?



**Backwall Deterioration** 



Haunch and Top Flange Deterioration



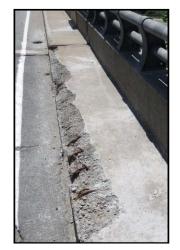
Cracked Bearing Seat



Pier 3 Cracking

LUNT RD & BUCKNAM RD BRIDGE REHABILITATION PUBLIC MEETING

# Why do we need to rehabilitate the Bucknam Road Bridge:



Approach Curb





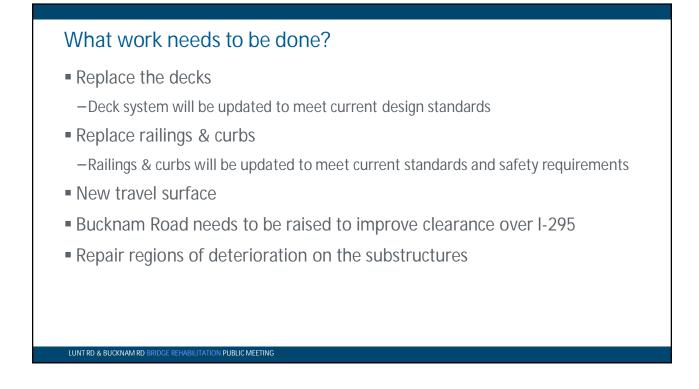
Stem Deterioration at West Abutment

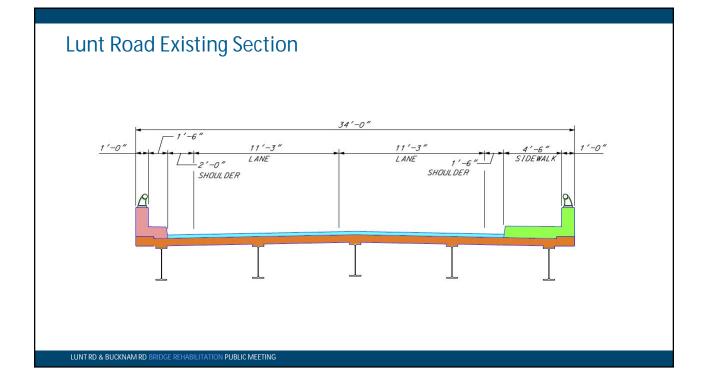


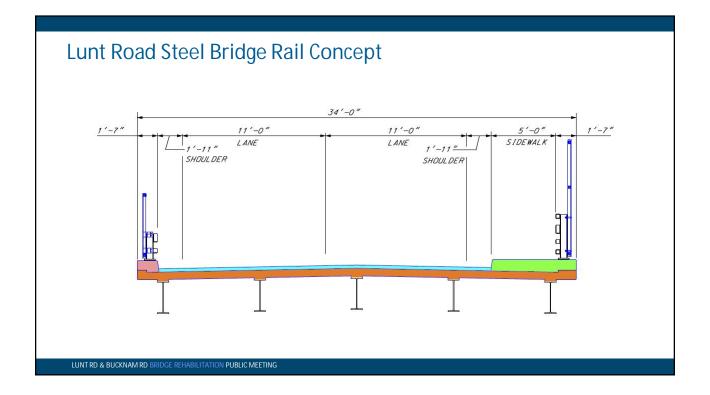
**Rusted Bearing** 

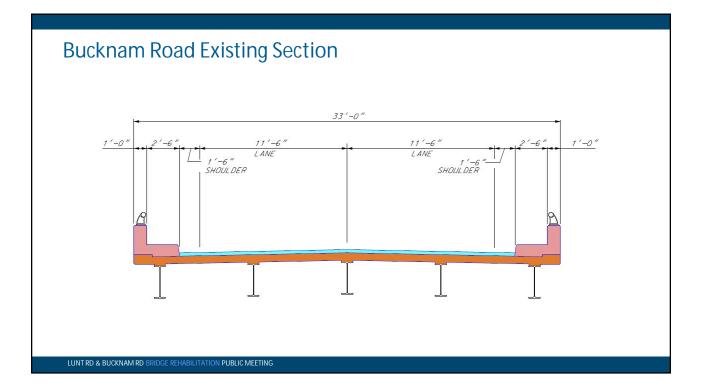
LUNT RD & BUCKNAM RD BRIDGE REHABILITATION PUBLIC MEETING

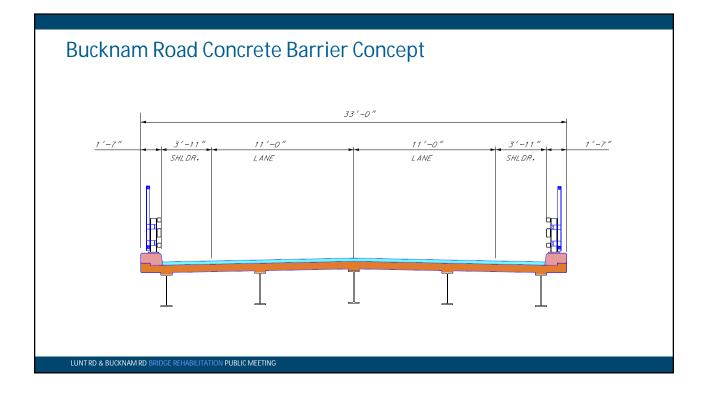














### How will this impact me?

- What about traffic?
  - -Traffic flow will be adjusted during construction
  - -Several options for traffic management will be considered
  - -The best option in terms of traffic impacts and costs will be utilized
  - -Signs will be implemented to aid drivers with any altered routes

### How will this impact me?

LUNT RD & BUCKNAM RD BRIDGE REHABILITATION PUBLIC MEETING

- Strengthened structures with increased life expectancy
- New traffic safety railings that comply with current requirements on both bridges
- Bucknam Road will have wider shoulders to improve driver experience and safety
- Lunt Road will have a wider sidewalk to improve the pedestrian experience

# Other regional improvements



LUNT RD & BUCKNAM RD BRIDGE REHABILITATION PUBLIC MEETING

