

# **HAMPTON ROADS REGIONAL NETWORK OPERATIONAL STUDY – PRELIMINARY RESULTS**

Hampton City Council Meeting – Presentation

 Chris Hall, P.E. – VDOT District Engineer

**October 23<sup>rd</sup>, 2019**

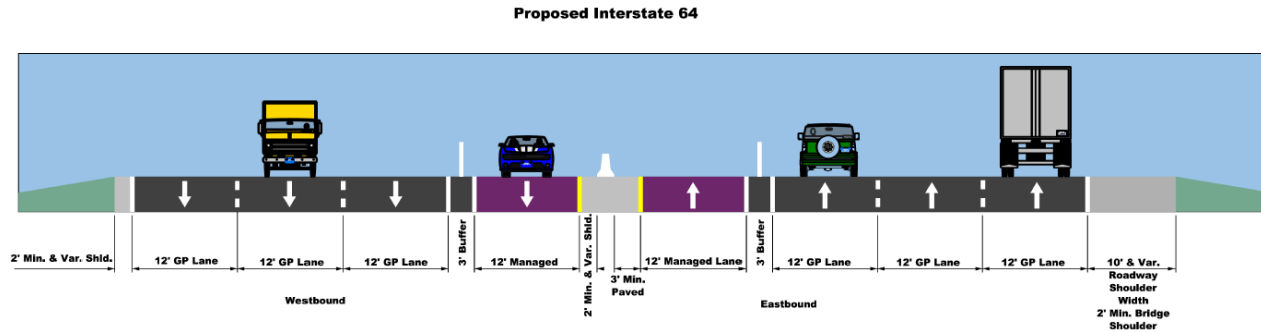
# Agenda

- 1) Proposed Scenario
- 2) Peak Period Performance
- 3) Hot Spot Locations
- 4) Next Steps

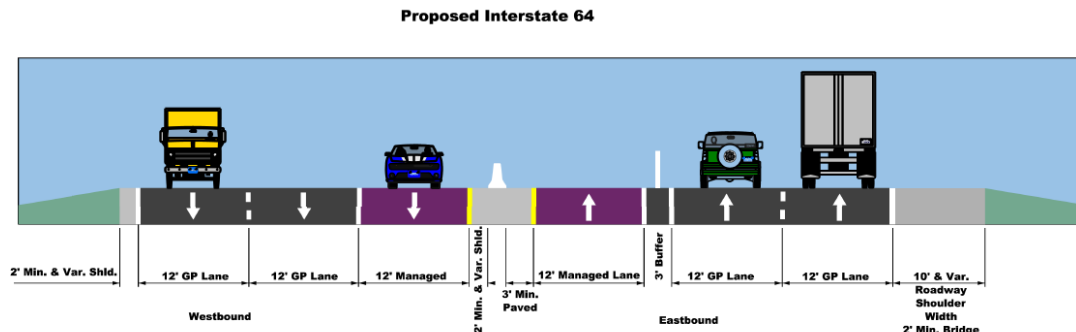
# Proposed Scenario

## Jefferson to LaSalle:

- Between Jefferson & Mercury – HOV2 to HOT2



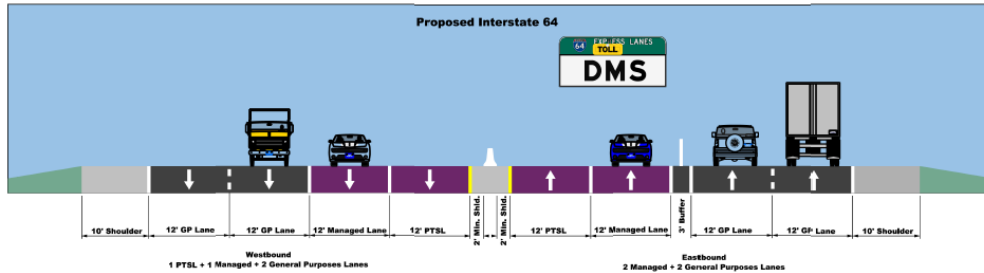
- Between Mercury & LaSalle – HOT2 (1 ML)



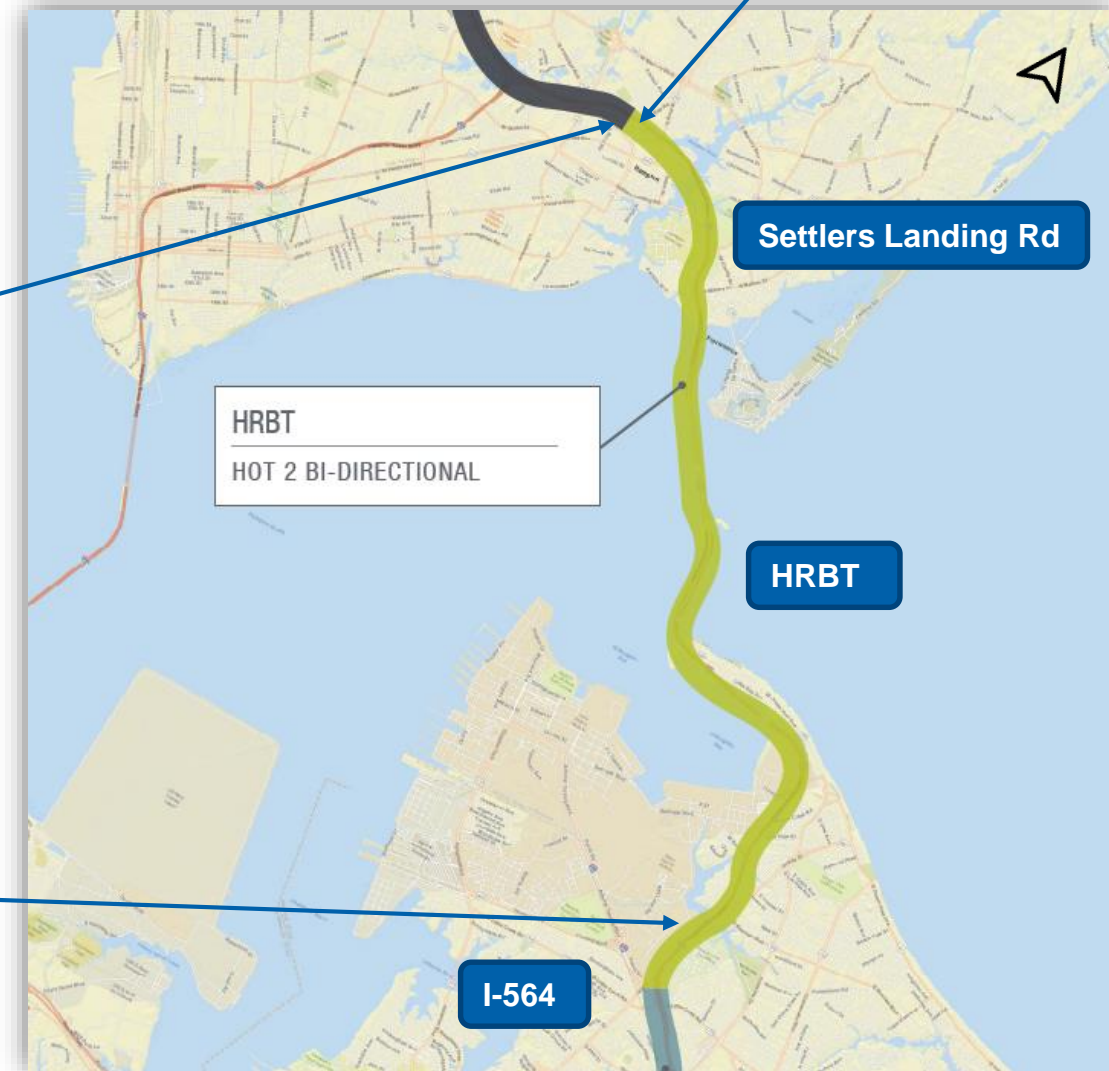
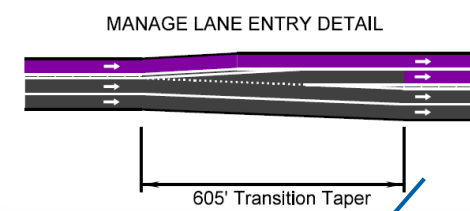
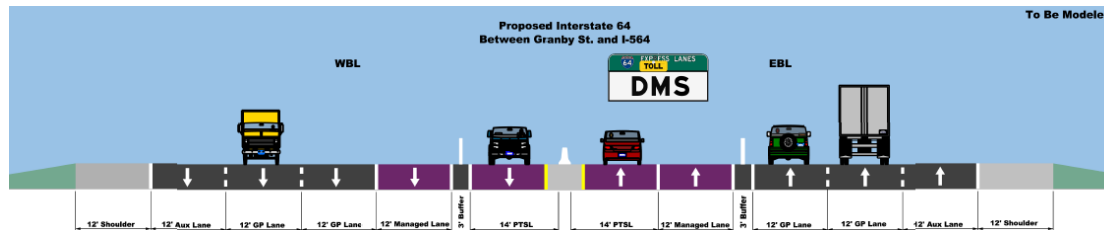
# Proposed Scenario

## HRBT:

- HOT3 to HOT2
- Shift Eastbound & Westbound Ingress/Egress from Settlers Landing Rd to LaSalle Ave (2 ML)



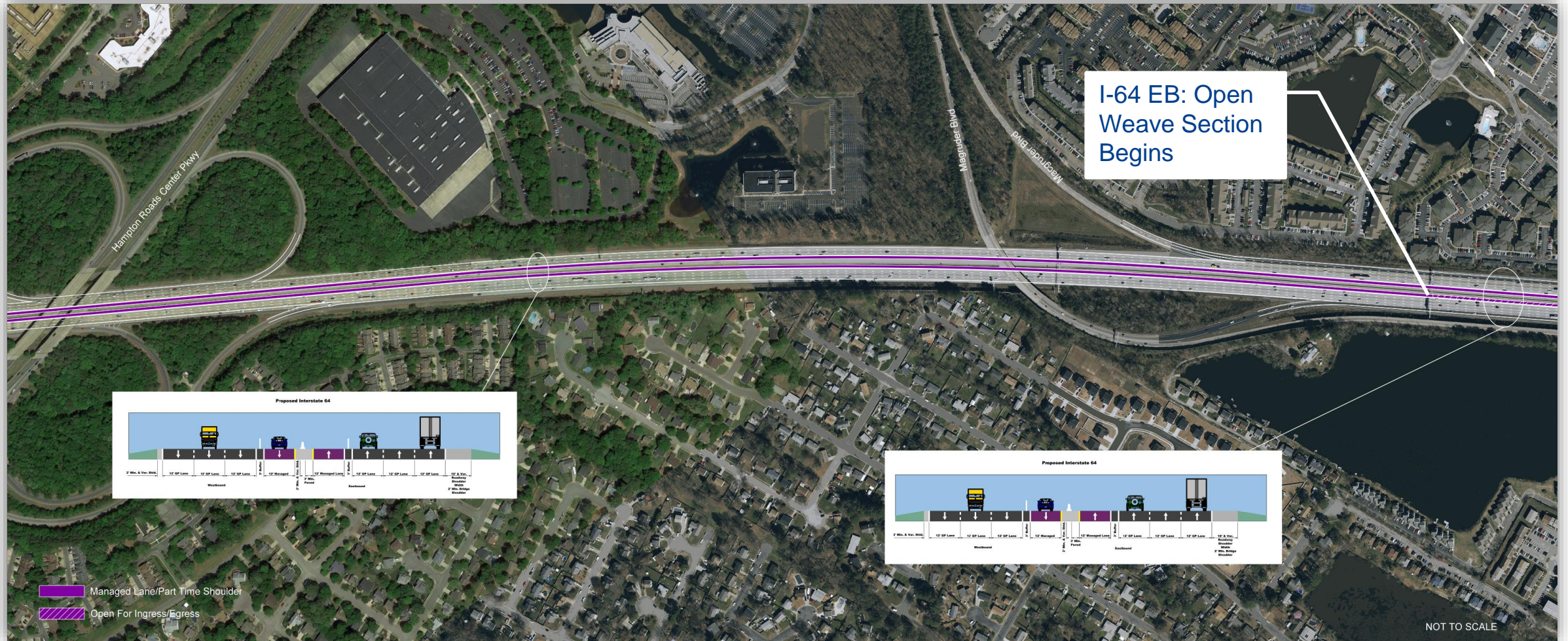
- Provide 2 lane Ingress/Egress along I-64 Eastbound (at LaSalle Ave) and I-64 Westbound (at Granby St)





# Proposed Scenario

## Between Hampton Roads Center Pkwy and Macgruder Blvd:





# Proposed Scenario

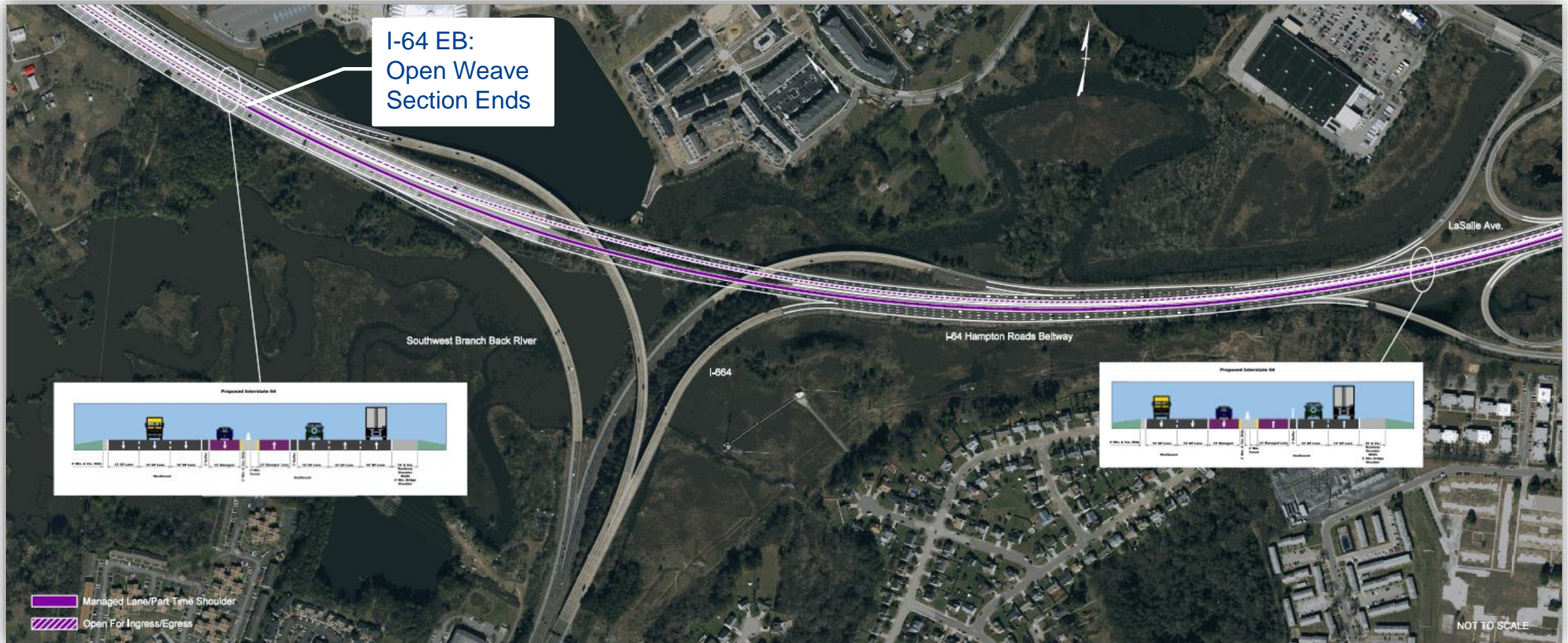
## At Mercury Blvd:





# Proposed Scenario

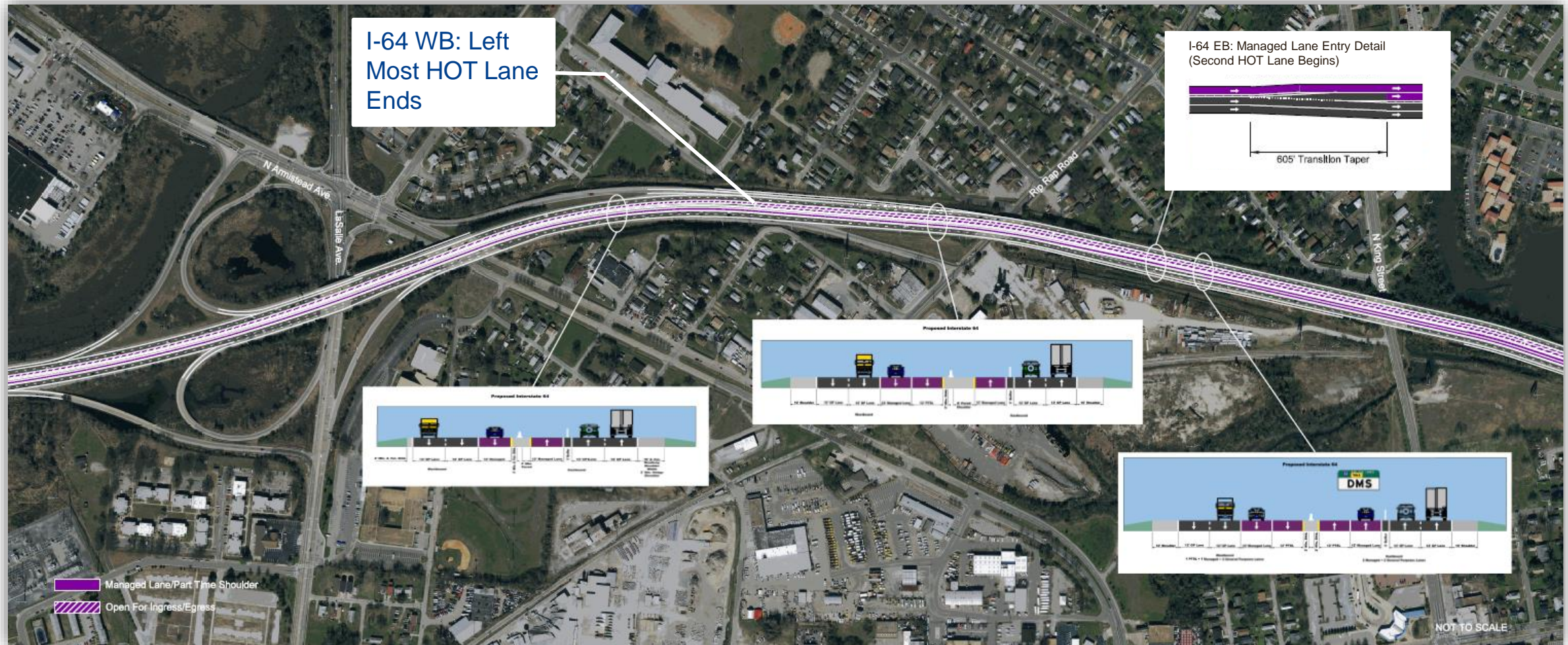
## Between Mercury Blvd and LaSalle Ave:





# Proposed Scenario

## Between LaSalle Ave and Settlers Landing Rd:





# Proposed Scenario

Between LaSalle Ave and Settlers Landing Rd (continued):





# Proposed Scenario

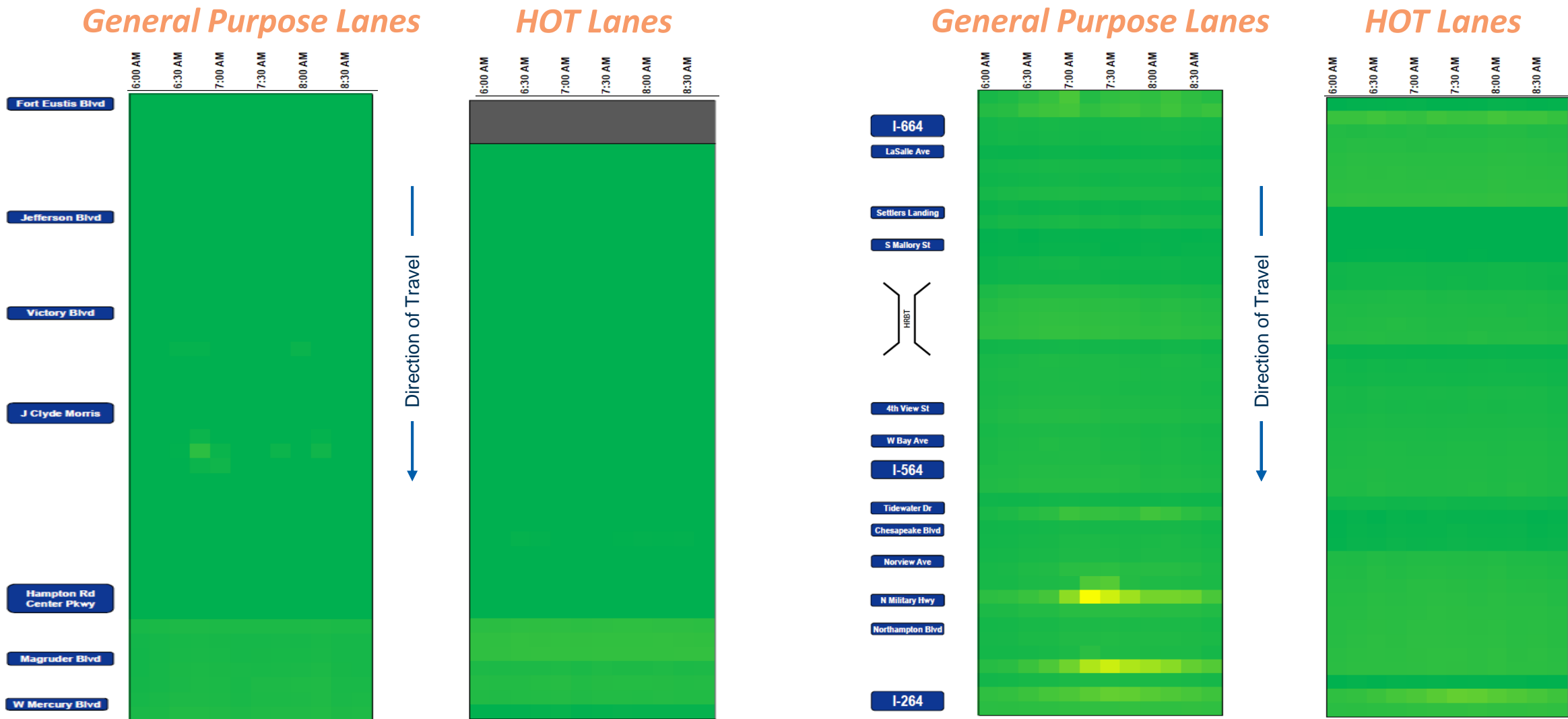
## Between Settlers Landing Rd and HRBT:





# Operational Analysis Results: Proposed Scenario

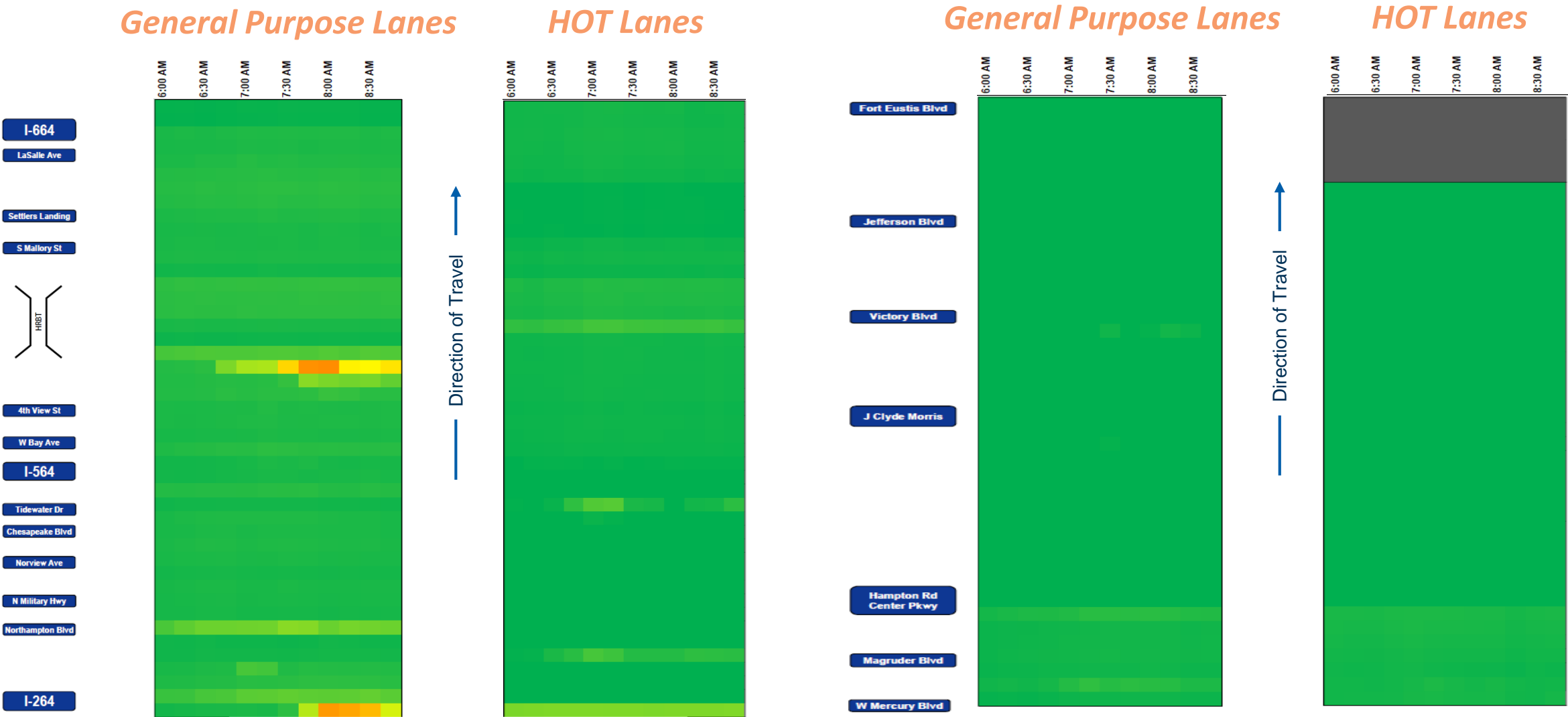
## Speed Comparison East Bound 2025 AM (Fort Eustis Blvd to I-264)



# Operational Analysis Results: Proposed Scenario

## Speed Comparison West Bound 2025 AM

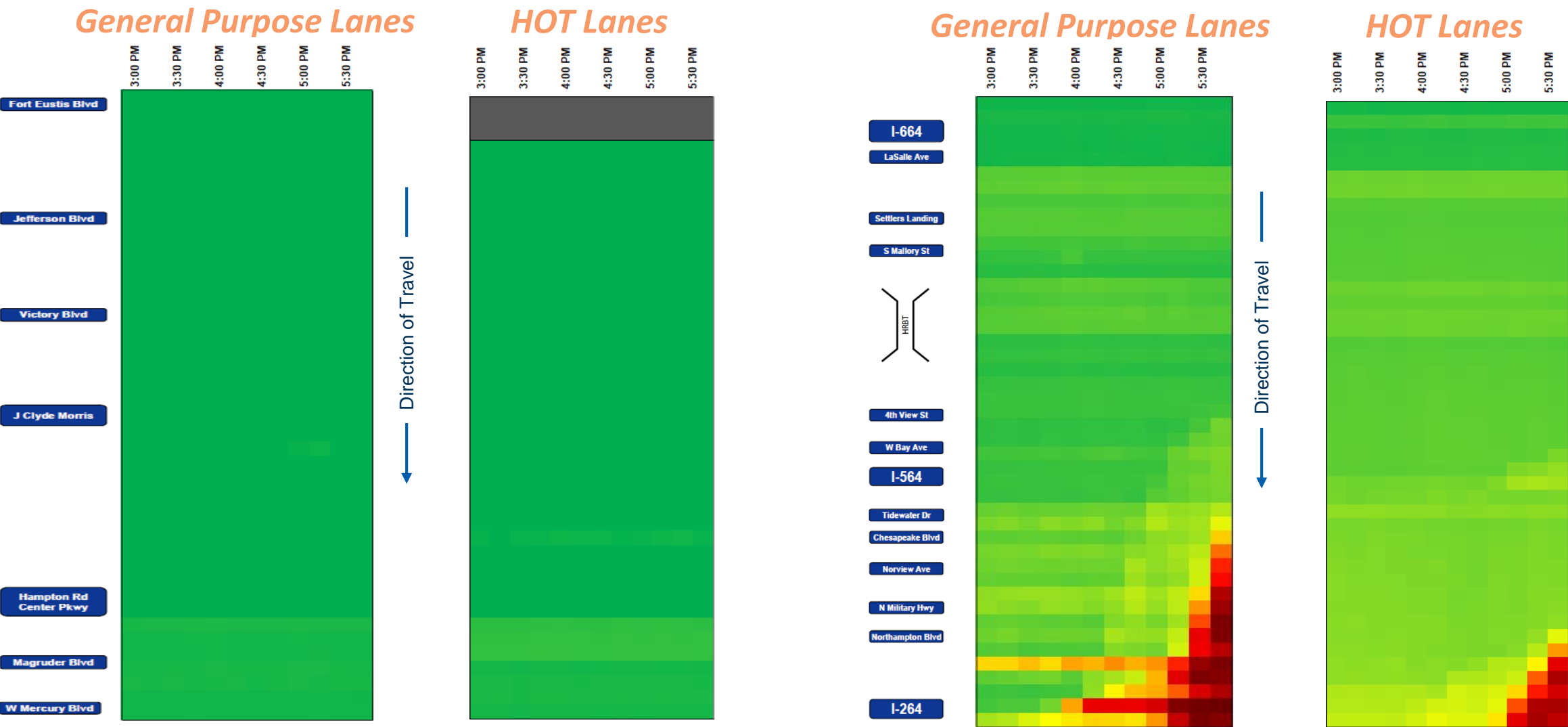
(Dock Landing to I-664)





# Operational Analysis Results: Proposed Scenario

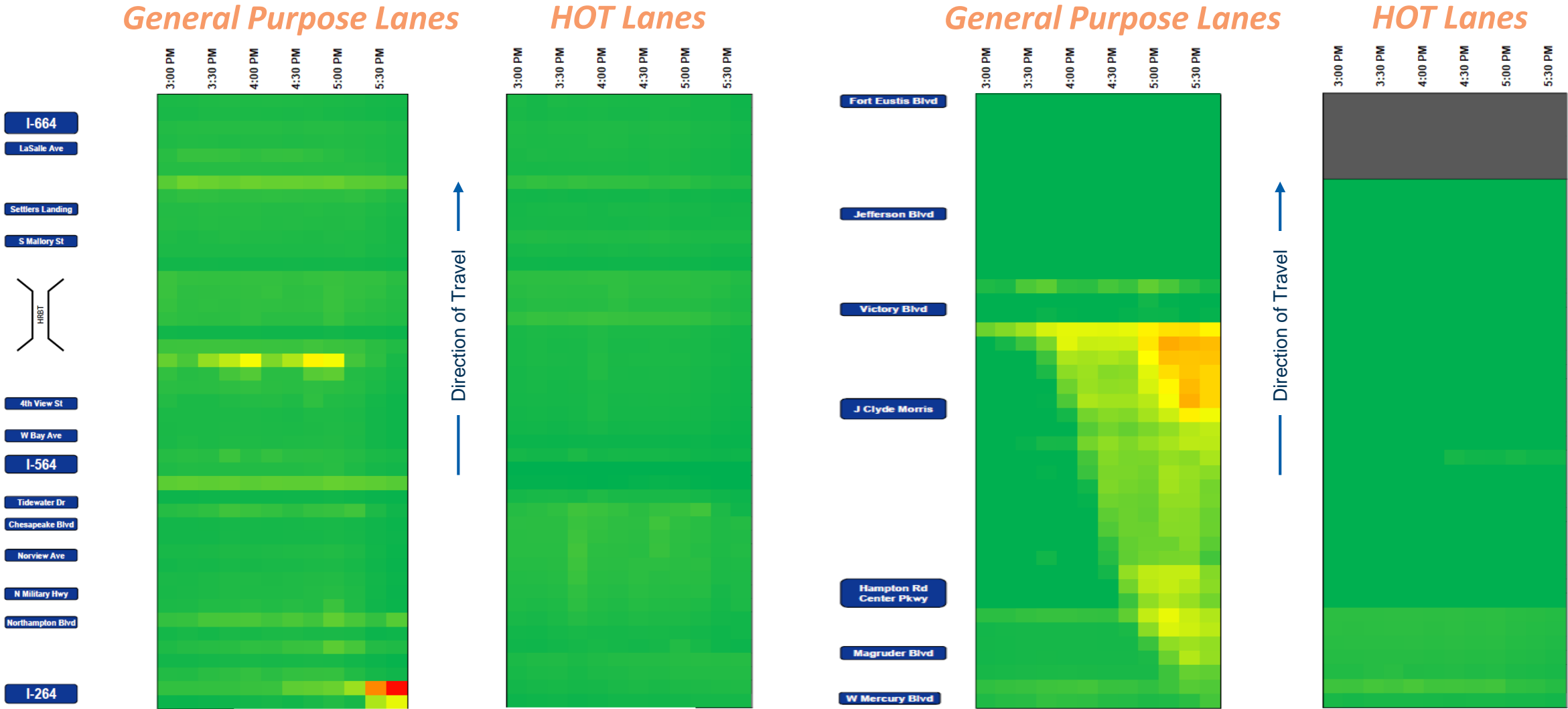
## Speed Comparison East Bound 2025 PM (Fort Eustis Blvd to I-264)



# Operational Analysis Results: Proposed Scenario

## Speed Comparison West Bound 2025 PM

(Dock Landing to I-664)

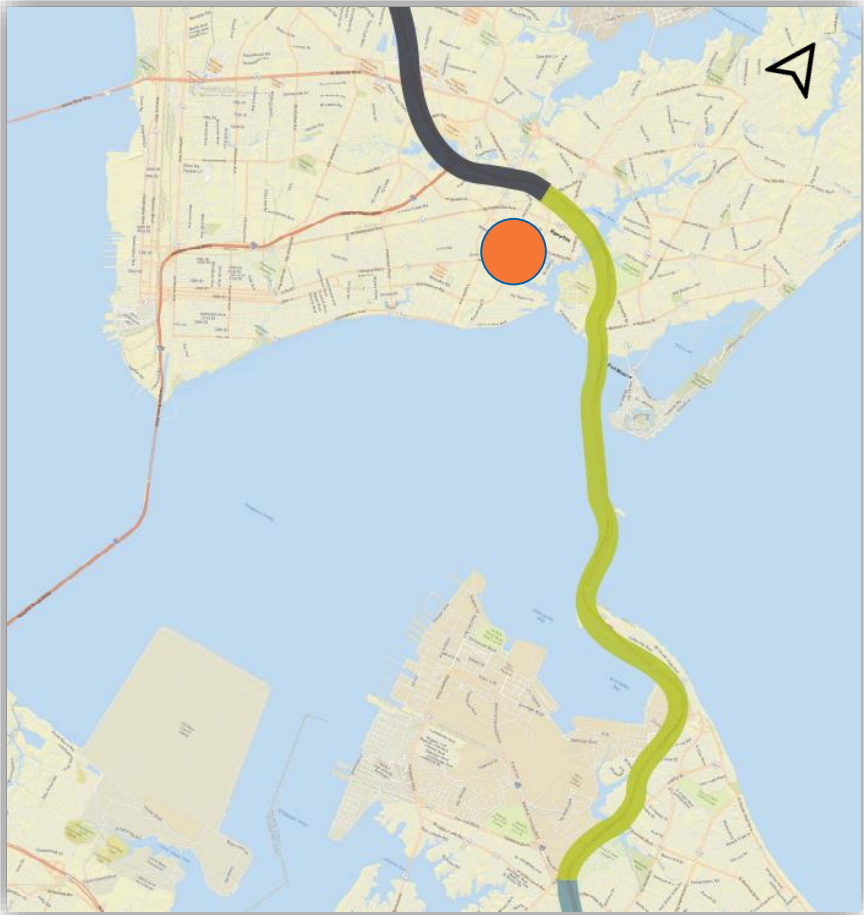




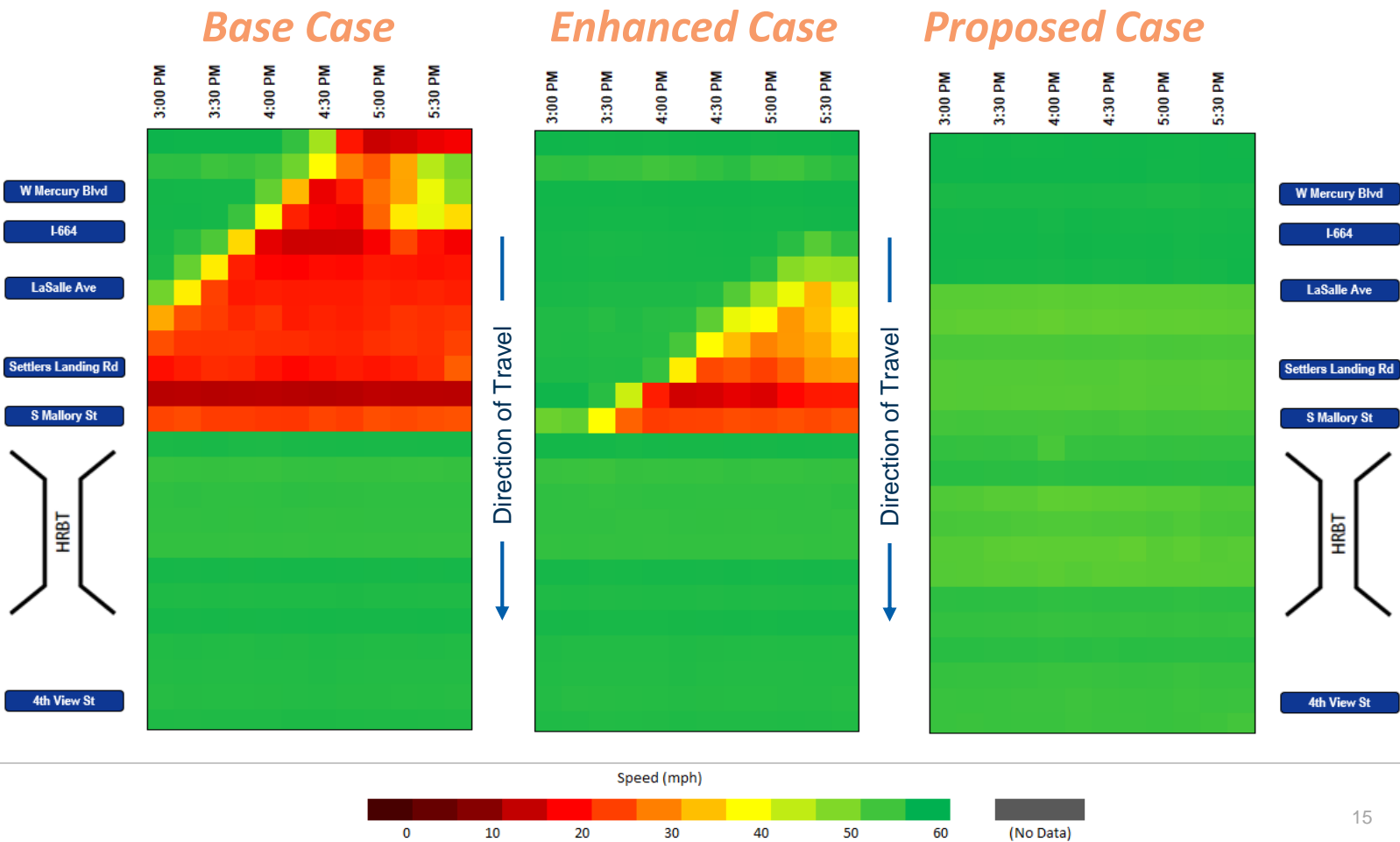
# Operational Analysis Results: Proposed Scenario

## Speed Comparison at HRBT (2025 PM I-64 EB)

Between Mercury Blvd and Mallory St

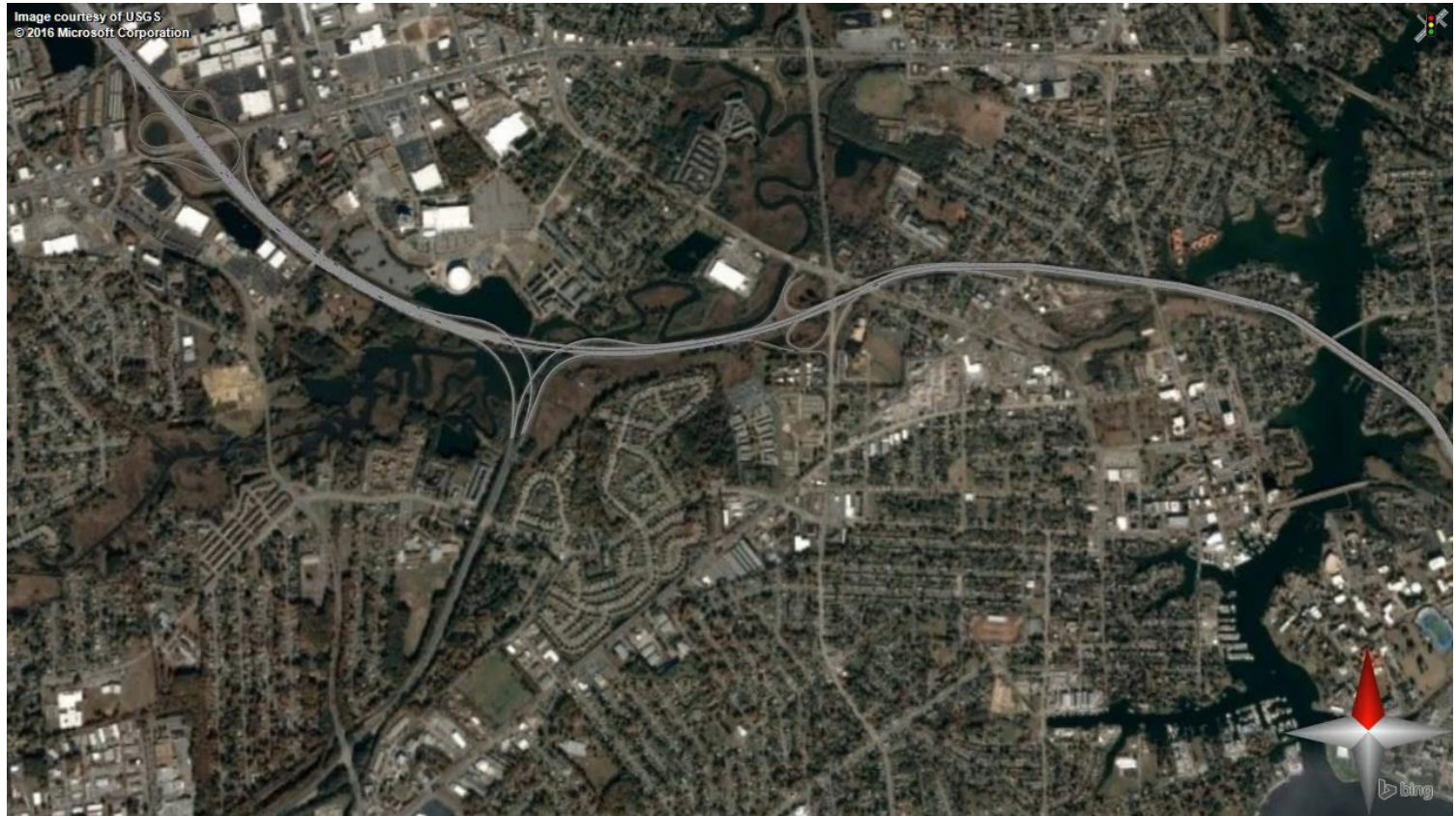
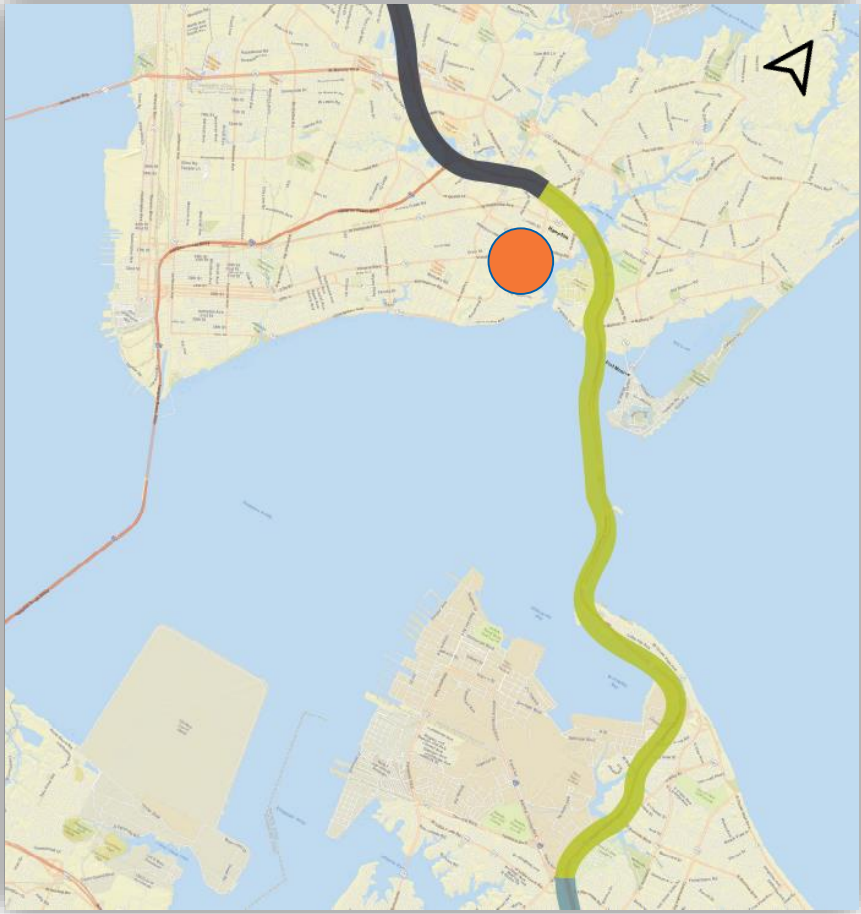


### General Purpose Lanes



# VISSIM Flythrough Video at HRBT (2025 PM I-64 EB)

● *Between Mercury Blvd and Mallory St*

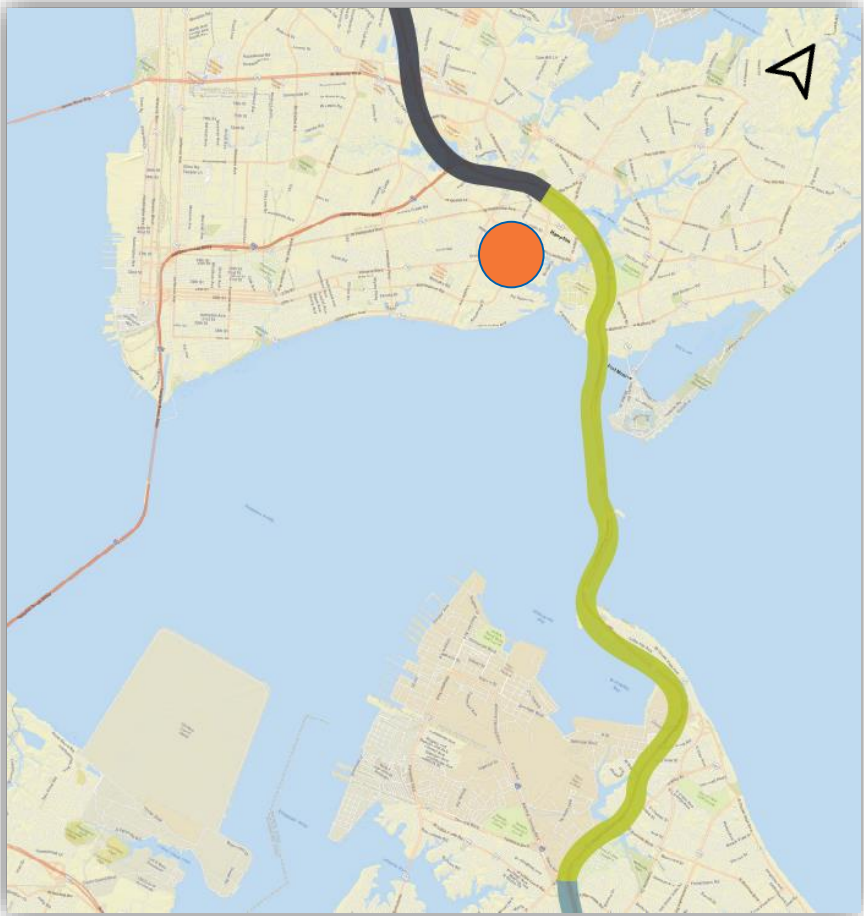




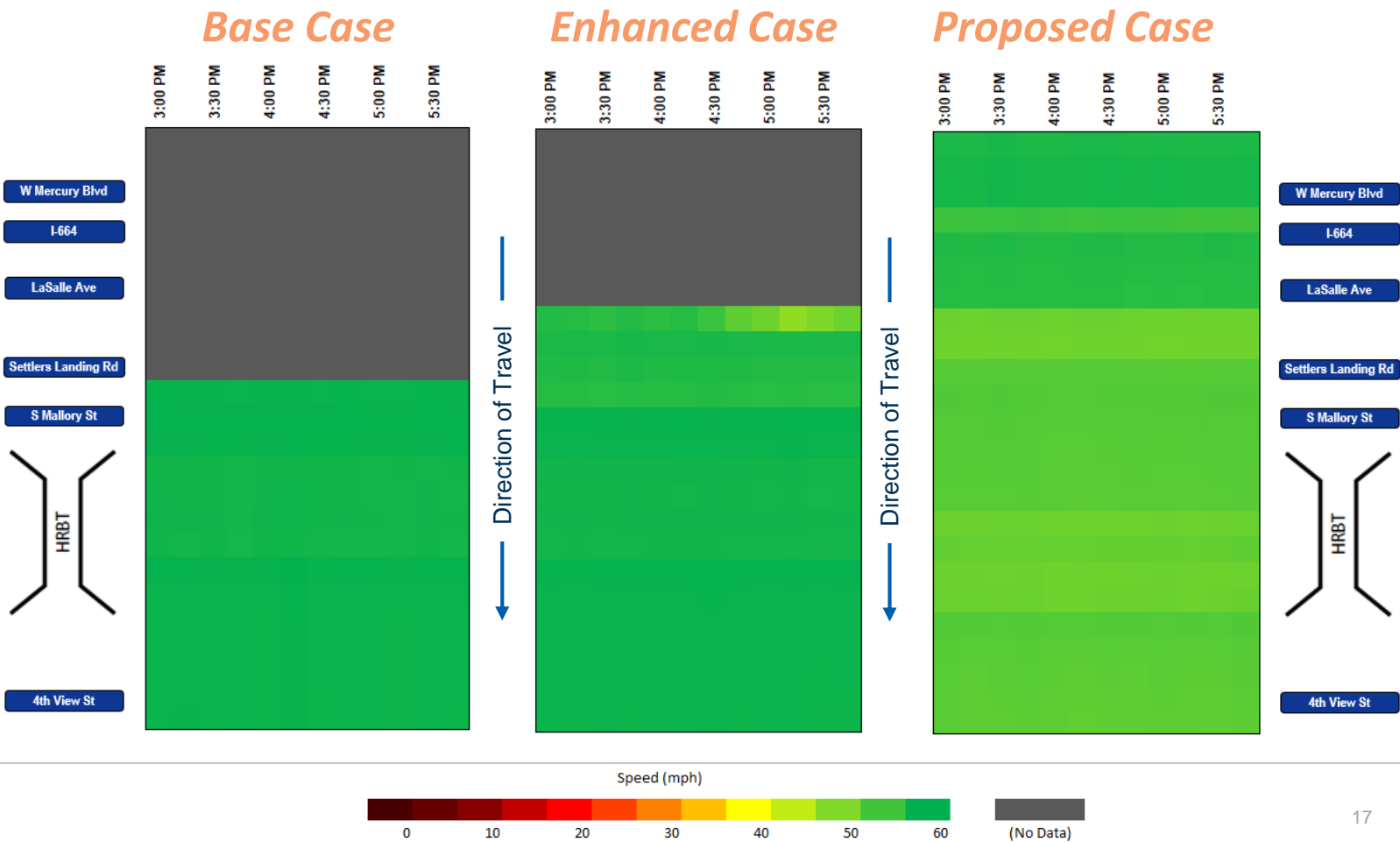
# Operational Analysis Results: Proposed Scenario

## Speed Comparison at HRBT (2025 PM I-64 EB)

● *Between Mercury Blvd and Mallory St*



### HOT Lanes



# Next Steps

## Tolling Policy

- **HOT2 vs HOT3**
- **Hours of Operation**

## Financing of Proposed Scenario

- **Traffic & Revenue**
- **Costs of additional proposed improvements**