MARYLAND DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY ADMINISTRATION

I-95 Active Traffic Management Project

From MD 100 to MD 32

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PROBLEM IDENTIFICATION

- Severe, recurring, peak hour congestion along the corridor
  - ➢ #3 bottleneck
  - ➢ #30 most congested link (I-95 @ MD 175)

2014 Rank	Location	Road	Direction
1	I-495 IL @ I-270 Spur	I-495	Inner Loop
2	I-95 OL @ Greenbelt Metro Dr/Exit 24**	I-95	Outer Loop
3	I-95 N @ MD-100/Exit 43	I-95	Northbound

- Above average crash patterns at interchanges
  - ➢ Crash density pattern

- Inconsistent travel times – unreliability
  - ➢ High Planning Time Index (PTI).

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CONCEPT DEVELOPMENT

- Collected recommendations from previous studies. (7; ‘03-‘15)
- Evaluated 17 concepts, which came from:
  - Previous studies; and
  - New concepts identified based on traffic & crash data.
  - Included both traditional geometric and ATM concepts.
- Pared down to 4 concepts on ability to meet:
  - Cost constraints;
  - Comparative operational efficiency; and
  - Corridor needs.

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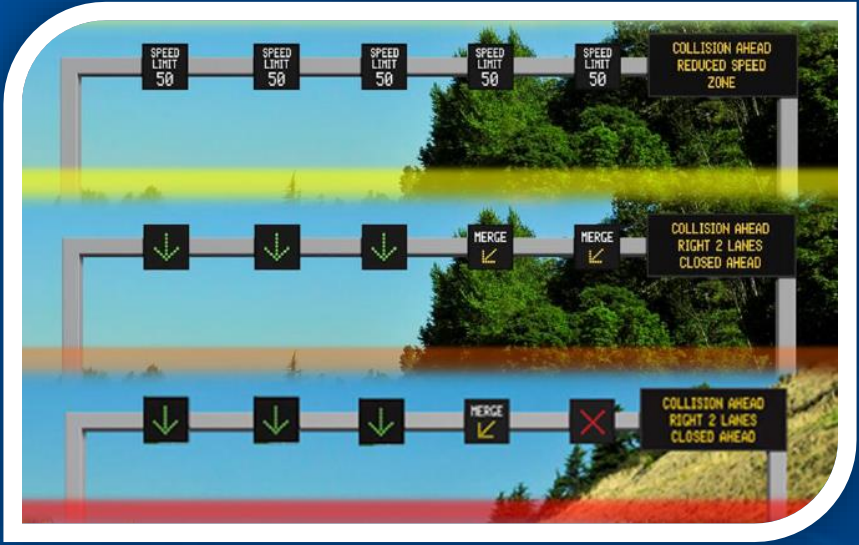
ITS STRATEGIES

- Considered:
  - Current state
  - Level of improvement
  - User expectancy
- Focus on lower intensity ITS
- Working with internal stakeholders.
- Continuing organization effort.



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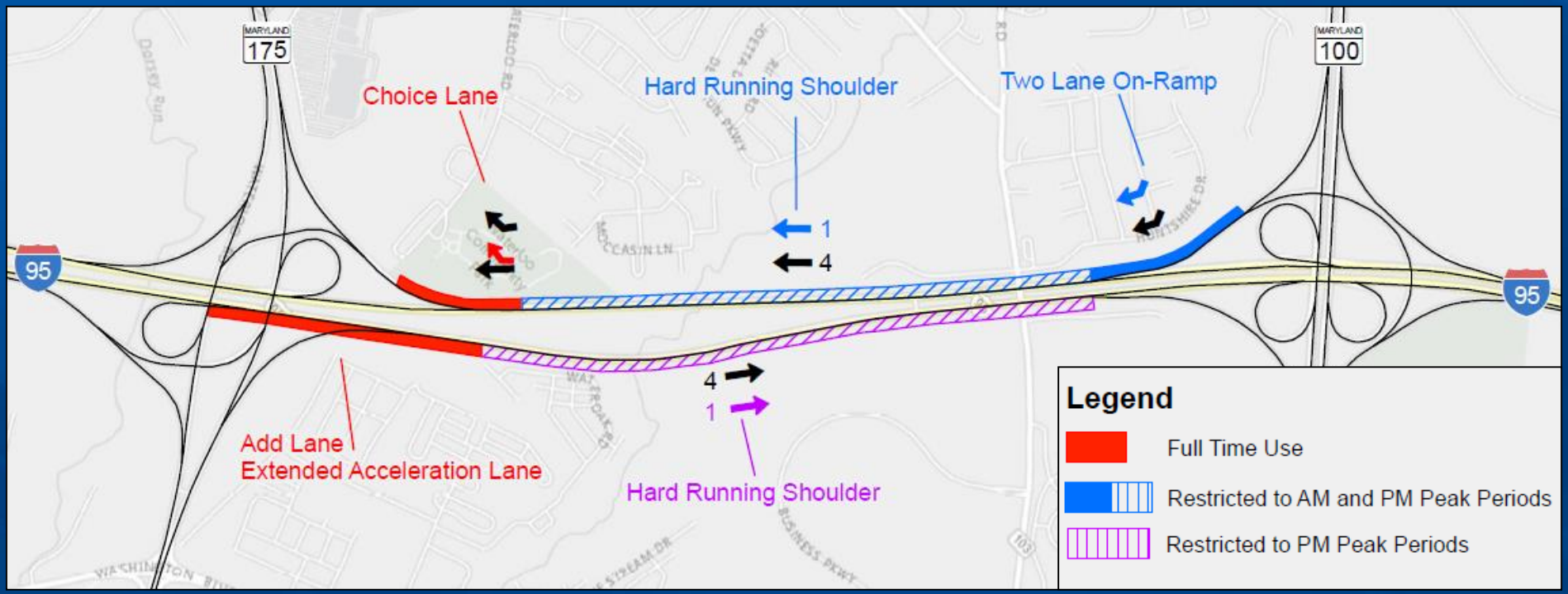
Concepts – Group I (2 & 3b)



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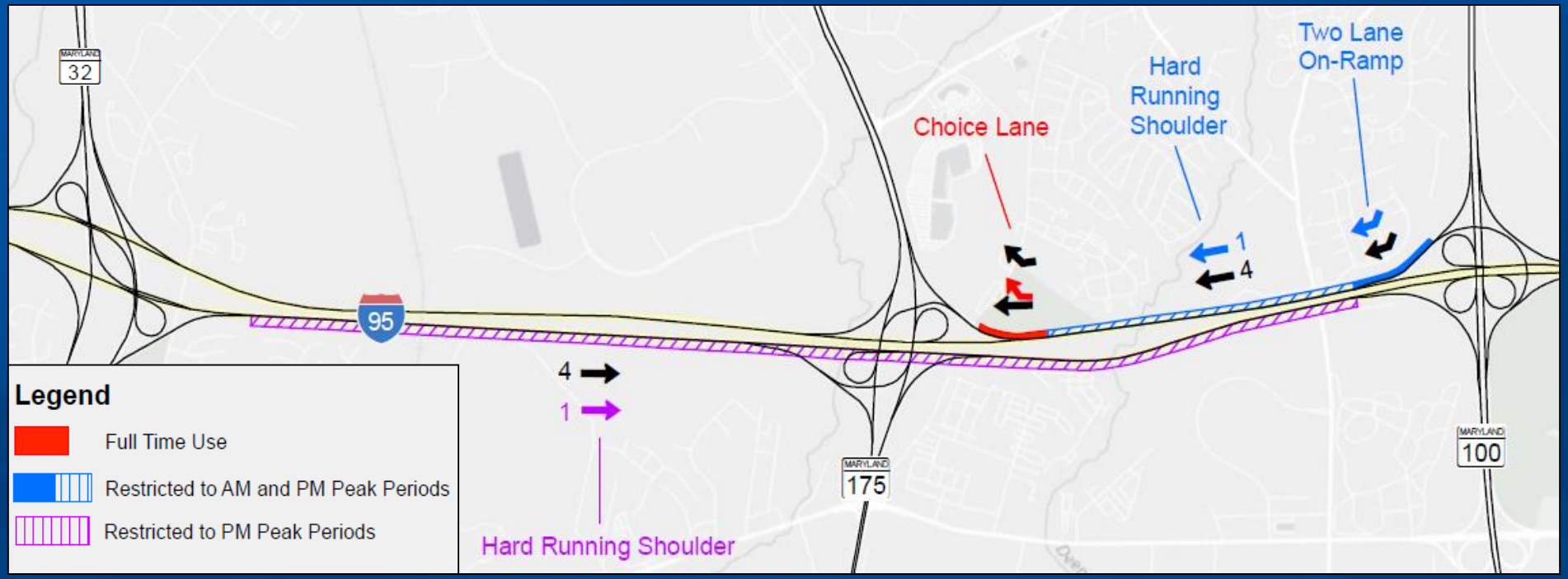
Concepts – Group II (2 & 5)



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DESIGN CONSIDERATIONS

- Lane operations
  - Truck Use
- Inside versus Outside
  - Safety
  - Operations
  - Environmental
- Design exceptions
  - CMF Comparison

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MOVING FORWARD

- Continued outreach to stakeholders
- Concurrence on Design Exceptions
- Approx. PE – Est. Complete: July 2018
  - Con Ops
  - 30% Design

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Closing Remarks