## I-39/90/94 Mainline Alternative Comparison

## alternative overview



## OTHER CONSIDERATIONS

- The Modernization Hybrid is $12^{\prime}$ narrower ( 6 ' on both sides of the freeway) than the Modernization Plus Added General Purpose Lane alternative

6 foot shoulders result in approximately 10\% higher crash rates than 12 foot shoulders.

- The Hybrid alternative adds a lane on the inside shoulder, however the larger traffic demands are to and from ramps along the outside of the roadway (especially from US $12 / 18$ to I-94/WIS 30).
- The start and end points of the Modernization Hybrid alternative adds additional decision points. Lane drops can have higher crash rates because of traffic weaving and merging conflicts.
- The Modernization hybrid alternative managed lanes will be unavailable at times. It is anticipated that $25 \%$ of the days when the managed lanes are opened, they would subsequently be partially or fully closed due to incidents, large snow events, power outages, etc. There is a higher risk of traffic diversion to other roadways during outages.
- A hybrid alternative operates most effectively with a large percentage of familiar drivers (local commuters) High truck volumes are present on all days and high volumes of unfamiliar, recreational drivers are present on high traffic Fridays and Sundays.


## OPERATING HOURS

- Predicted managed lanes operating hours in 2050 between 1-94/WIS 30 and US 151 includes:


## WEEKDAYS: WEEKENDS: <br> 7-9 a.m., 3-6 p.m. * 7-9 a.m. to 8 p.m. *

- The managed lane would be open for approximately $40 \%$ of daylight hours on weekdays and for all daylight hours on weekends.
* These are the predicted hours of operation, but actual hours of operation will be based on field conditions and need.

