

From: Kiene, Benjamin
Sent: Monday, October 17, 2011 12:03 PM
To: Kemp, Elizabeth; Primus, Chris J. (Chris.Primus@jacobs.com)
(Chris.Primus@jacobs.com)
Cc: Stratton, Andrew
Subject: I-25 Congestion Patterns

Lizzie and Chris,

As requested at Friday's meeting, I retrieved some speed data from our ramp metering system for the most-congested portion of I-25 in the Managed Lanes project area, which is northbound at 84th Ave. and southbound at Thornton Pkwy. It looks like each direction experiences an average of roughly 4 hours of congestion daily. As one would expect, the congestion is primarily southbound in the morning and northbound in the evening, though sporadic evening congestion also occurs in the southbound direction. (The evening peak period tends to be worse at most locations, usually due to the addition of retail trips that don't occur in the morning.)

Southbound, the corridor begins experiencing regular congestion at Thornton Pkwy. between 5:45 and 6:00 AM which typically lasts until 9:30 AM. The southbound direction also sees sporadic congestion in the evening peak period some weekdays and regular congestion on Friday afternoons between 3:00 PM and 6:00 PM.

Northbound, regular congestion at 84th typically begins between 2:30 and 3:00 PM and lasts until between 6:30 and 7:00 PM.

The attached graphs show the one-hour average speed data for typical weeks. Unfortunately, the ramp meter northbound at 84th has been disconnected by the bridge project since February 2011, so I used the latest non-holiday week available. During that week, we were having communication problems at the Thornton Pkwy. meter, so I used a week from mid-September for that location. Let me know if you have any questions.

Thanks,
Ben

Ben Kiene, P.E.
Colorado Department of Transportation