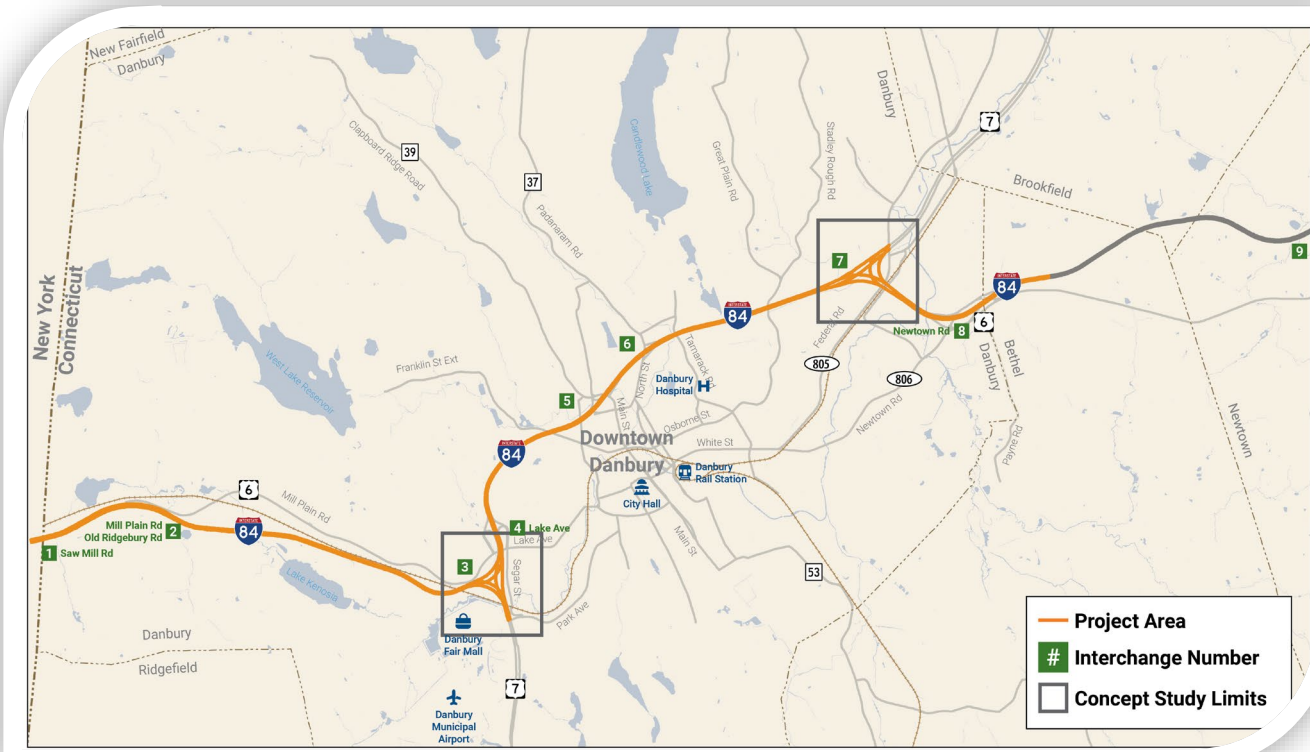


Concept 5 Summary: Left to Right Hand Ramps - Mainline

DESCRIPTION

Concept 5 seeks to replace left hand ramps with right hand ramps at the I-84 and Route 7 interchanges. This concept endeavors to maintain the current alignment of I-84 and stay within the existing right-of-way to the greatest extent possible. This concept will construct 9 new bridges, replace 2 existing bridges, and remove 5 bridges. Elements of Concept 5 include:

- Removal of existing left-hand ramps to/from Route 7 at Interchange 3 and Interchange 7 and replacement with right hand ramps.
- 9 new bridges, replace 2 existing bridges, and remove 5 bridges.



PROS

- Left-hand ramps are replaced with right-hand ramps.
- Acceleration and deceleration lane lengths are improved at the new right-hand ramp locations.
- Typical construction methods could be used.

CONS

- Peak hour delay is not reduced during the weekday P.M. peak hour period.
- Vehicle queues extend several miles and are not significantly improved on I-84 and Route 7.
- Lacks consistent design speed throughout the I-84 corridor.
- Does not propose improvements at interchanges 1, 2, 4, 5, 6, and 8.
- Interchange 6 remains a partial interchange.
- Weaving of traffic remains unaddressed between Interchanges 3 and 4 and between Interchanges 7 and 8.
- Does not improve access to the Danbury Hospital.

RECOMMENDATION

This concept does not improve congestion or mobility on the highway. It does not address mobility adjacent to the highway.

As a result of the screening process, it is recommended that this concept be dismissed for further consideration.