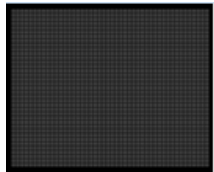




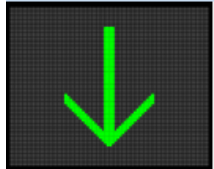
Active Traffic Management in Minnesota

ILCS Details

ILCS Sign Options



Blank – default



Green – Lane Open



Flashing Yellow – Caution



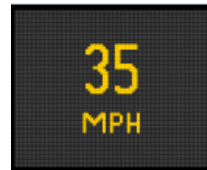
Red X – Closed



Yellow X – Closed Ahead



Merge

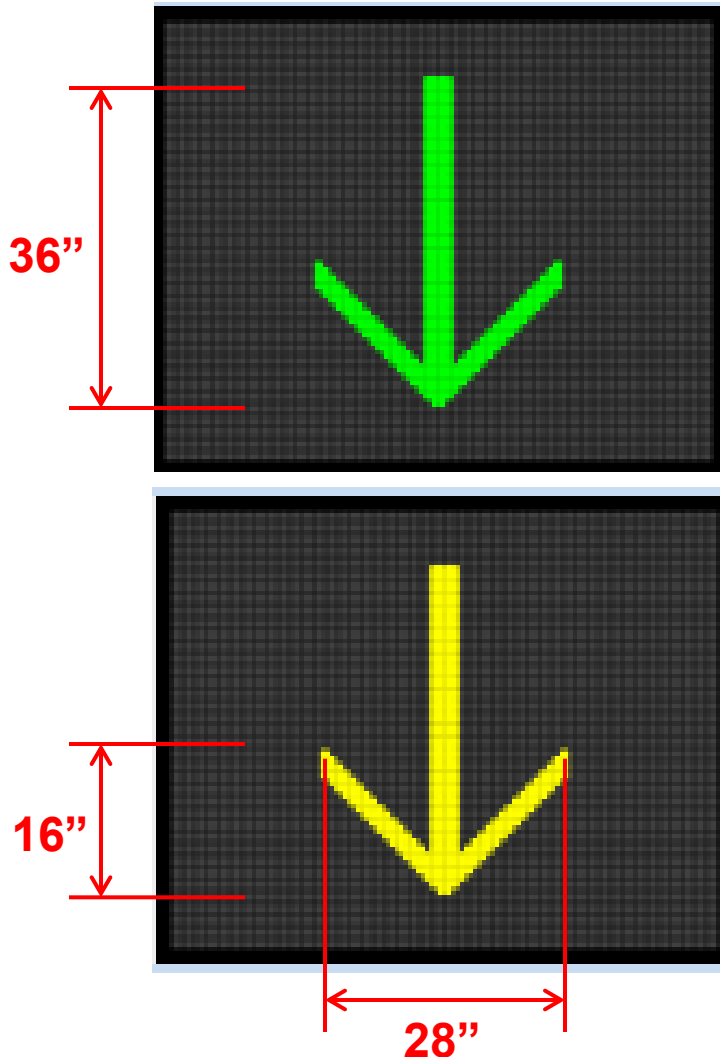


Speed Limit



White Diamond

Arrow Messages

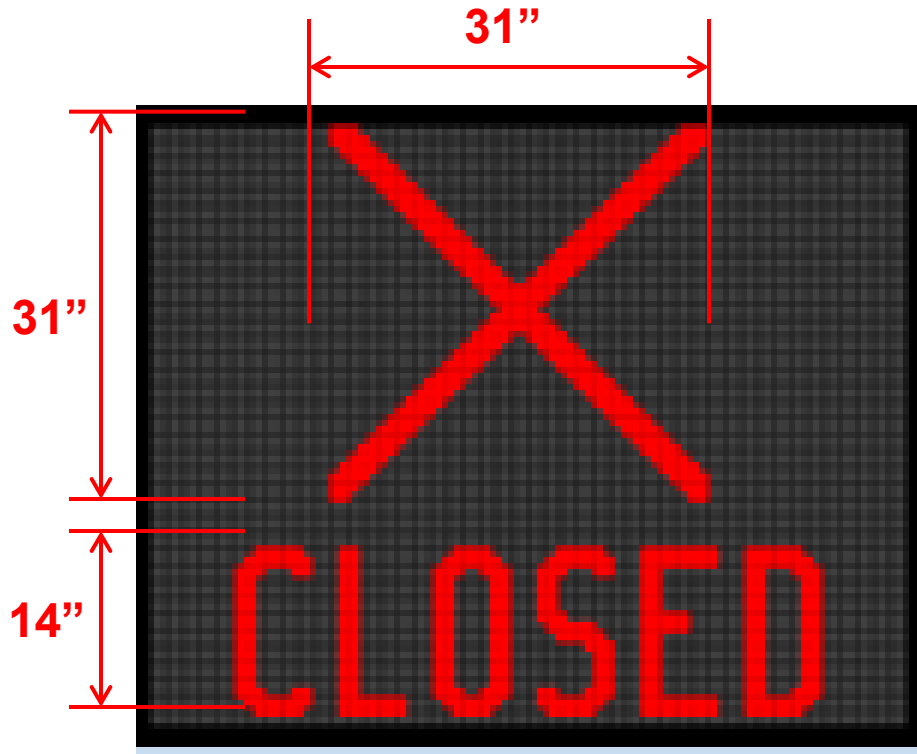


A. A steady DOWNWARD GREEN ARROW signal indication shall mean that a road user is permitted to drive in the lane over which the arrow signal indication is located.

F. A flashing DOWNWARD YELLOW ARROW signal indication shall mean that a road user is permitted to use the freeway lane over which the signal indication is located, while using extreme caution.

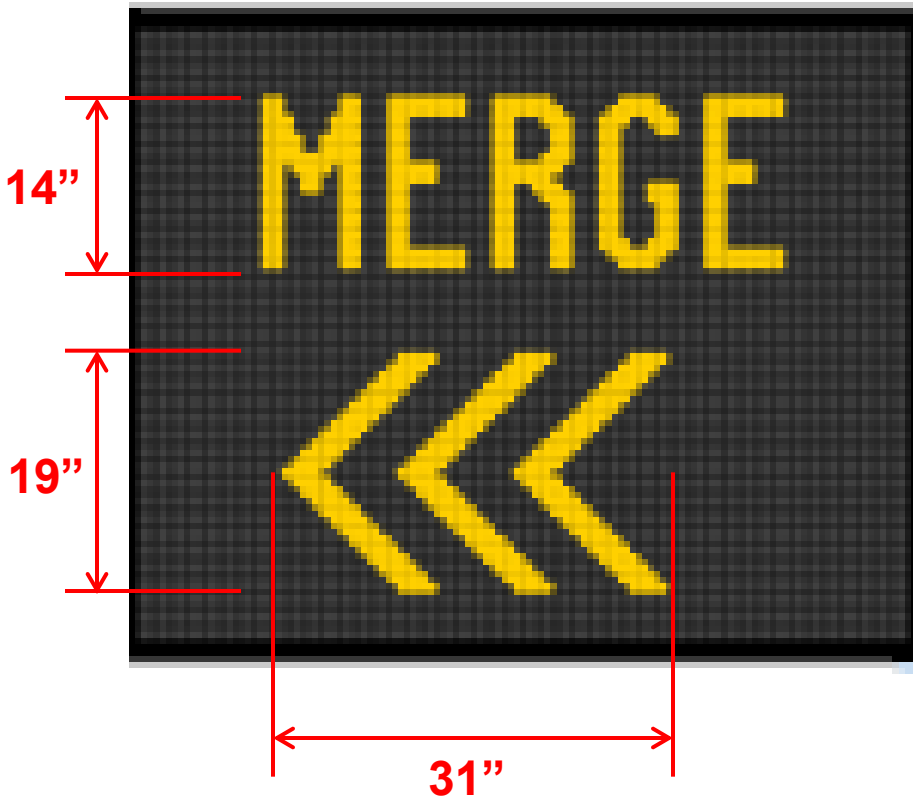
NOTE: The flashing Downward Yellow Arrow is unique to Mn MUTCD and is not in the Federal Manual. Has been used for passed 20 years aside of Lowry Hill Tunnel on I-94. It is also used in Texas.

Red X – Lane Closed



G. A steady RED X signal indication shall mean that a road user is not permitted to use the lane over which the signal indication is located and that this signal indication shall modify accordingly the meaning of all other traffic controls present. The road user shall obey all other traffic controls and follow normal safe driving practices.

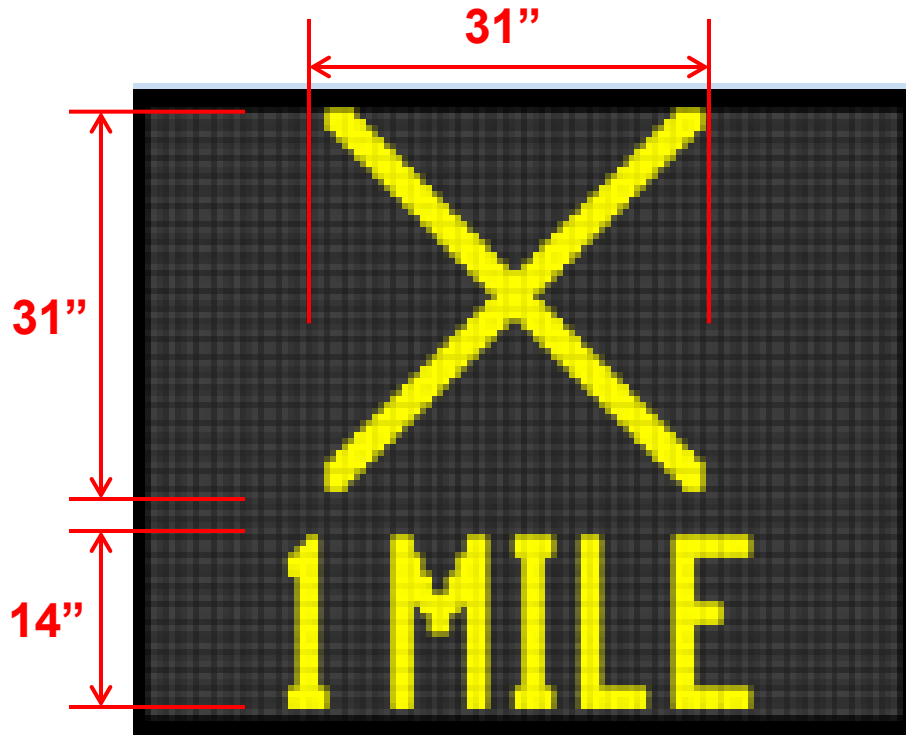
Merge Sign



To be used to inform motorists to vacate the lane for a closure ahead.

NOTE: Mn/DOT was required to do a request to experiment for this sign. Human factors study of this message and other ILCS messages will begin this summer.

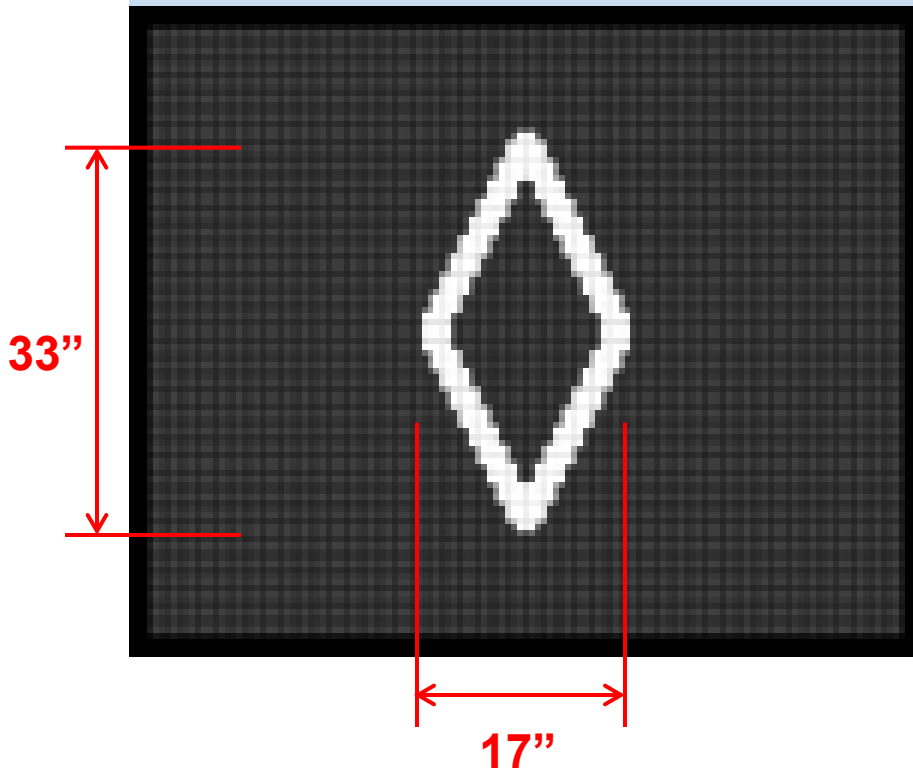
Advanced Warning



B. A steady YELLOW X signal indication shall mean that a road user is to prepare to vacate, in a reasonably safe manner, the lane over which the signal indication is located because a lane control change is being made to a steady RED X signal indication.

NOTE: Mn/DOT is supplementing this message with “1 MILE” to give drivers additional information as to where the closure occurs.

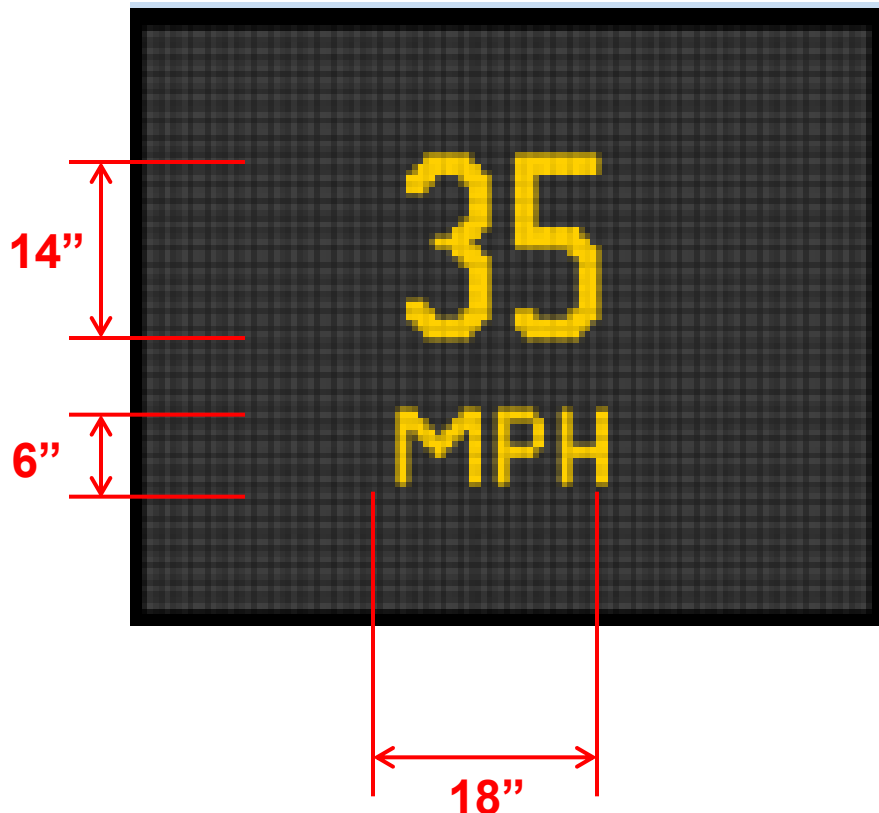
WHITE DIAMOND





Variable Speed Limits

Advisory Variable Speed Limits



- **Advisory over Regulatory**
 - Didn't require statute change
 - At time of deployment during peak periods don't need 100% compliance
- **U of M Duluth assisted in developing algorithm**
 - 1 minute updates
 - speed changed by 5 mph
 - minimum 35 mph