

Signal Visibility Observations

Kimley-Horn conducted field measurements at the intersection of the westbound exit from the Bear Mountain Parkway with US Route 6 to ensure that adequate visibility would be provided to the signal heads approaching the intersection from the west. The measurements were taken from the west side of the Bear Mountain Bridge. These measurements (taken from the right lane of eastbound traffic on Route 6) revealed the following:

- Left Principal Head (on the spanwire pole 16 feet out from the existing Stop line on the Bear Mountain Parkway westbound exit) will be visible from 350 feet west of the west face of the Bear Mountain Parkway bridge (or for approximately 505 feet before the proposed Stop line).
- Right Principal Head (on the spanwire pole 16 feet out from the existing Stop line on the Bear Mountain Parkway westbound exit) will be visible from 220 feet west of the west face of the Bear Mountain Parkway bridge (or for approximately 375 feet before the proposed Stop line).

The Posted Speed Limit is 40 mph and the required stopping sight distance, assuming a 50-mph design speed is 390 feet. It is, therefore, concluded that the signal heads will be visible for more than an adequate distance to allow motorists to stop safely if a traffic signal is installed.



Measured at 7.5 feet above the pavement, 331 feet west of the west face of the bridge.

Red Signal Head Centered 19' over the roadway, when viewed from 7.5 feet over the Roadway