TYPICAL BRIDGE MOUNTS

Type I:
To be used where bridge operators are full time or a daily basis.

Legend:
1. Traffic Signals
2. Drawbridge Sign
3. Drawbridge Ahead Sign with Yellow Flashing Beacon
4. Stop Here on Red Sign with Red Flashing Beacons
5. Entrance Gate
6. Exit Gate
7. 24" Thermoplastic Stop Bar

Type II:
To be used where Type I is not applicable (usually when the bridge operator is "on call").

Notes:
1. A bypass switch shall be installed to override each timing interval in case of a malfunction.
2. "Stop here on Red" is omitted in Type I operation and "Traffic Signals" are omitted in Type I operation.
3. The time between beginning of flashing yellow on "Drawbridge Ahead" sign and the clearance of traffic signal to red, or beginning of flashing red shall not be less than the travel time of a passenger car, from the sign location to the stop line, traveling at the 85th percentile approach speed.
4. Beginning of operation of drawbridge gates shall not be less than 15 seconds after red or 20 seconds after flashing red (Actual time may be determined by the bridge tender).
5. Time of gate lowering and raising is dependent upon gate type.
6. Time of bridge opening is determined by the bridge tender.
7. Each gate shall be operated by a separate switch.
8. On each approach (Type II), all four red signals shall be on the same two circuit flashers, with the two tops signals on one circuit, and the two bottom signals on the alternately flashing circuit.
9. A Drawbridge Ahead sign is required for both types of signal operation; however, a flashing beacon shall be added to the sign when weather conditions prevent a driver traveling at the 85% approach speed from having continuous view of at least one signal indication for approximately 10 seconds.
10. Requirements on gate installation are contained in Section 4E-14 through 4E-17 of the Manual on Uniform Traffic Control Devices.

In accordance with Traffic Engineering Manual (Topic Number 750-000-005) Section 2.1, Slippery When Wet signs shall be placed in advance of all movable and non-movable steel deck bridges.